

**ENVIRONMENTAL ASSESSMENT (EA)
AND
DRAFT FINDING OF NO SIGNIFICANT IMPACT
(DFNSI)**

**Proposed Superstorm Sandy
Replacement Buildings and Infrastructure
New Jersey Army National Guard
Sea Girt National Guard Training Center**

**Block 106, Lot 1
Block 54, Lot 2
Block 54, Lot 2.01
Block 99, Lot 1.01
Sea Girt Avenue, Borough of Sea Girt
Monmouth County, New Jersey**

**Contract No. W90FYQ-09-D-0001
MILCON Project Numbers 340124, 340126 - 340130**

July 2015

DRAFT FINDING OF NO SIGNIFICANT IMPACT (dFNSI)

Proposed Superstorm Sandy Replacement Buildings and Infrastructure New Jersey Army National Guard (NJARNG) Sea Girt National Guard Training Center (NGTC) Sea Girt Avenue, Borough of Sea Girt Monmouth County, New Jersey

Introduction

The New Jersey Army National Guard (NJARNG) has prepared an Environmental Assessment (EA) to evaluate the environmental and socioeconomic impacts of the proposed buildings and infrastructure replacement at Sea Girt National Guard Training Center (NGTC). The National Guard Bureau (NGB) is the federal proponent for this action. The EA was developed in accordance with the National Environmental Policy Act (NEPA, 42 USC §4321-§4370-e.), and implementing regulations and guidance issued by the Council on Environmental Quality (40 CFR 1500), the Army (32 CFR 651, *Environmental Analysis of Army Actions*), and the 2011 Army National Guard NEPA Handbook.

Purpose and Need for Action

The purpose of this proposed project is to construct one-for-one replacement facilities for damaged buildings and infrastructure resulting from Superstorm Sandy that occurred in October 2012. The NGTC facilities that were significantly damaged in the floodplain will be relocated outside of the floodplain to reduce the likelihood of recurring damage. Continued use of damaged facilities, or inability to use damaged facilities, in their current condition would substantially compromise the NJARNG's ability to fulfill its mission. Sea Girt NGTC provides critical facilities that support National Guard soldiers throughout the northeastern United States. Without the full use of these facilities the NGTC does not adequately meet the NGB's readiness requirements for troop training and mobilization.

1. Description of Proposed Action and Alternatives

Proposed Action

The Proposed Action, which is the NJARNG's Preferred Alternative, provides for complete demolition of five existing buildings and partial demolition of two buildings that were partially demolished by Superstorm Sandy. The NJARNG proposes to demolish buildings because they are outdated, substandard, underused structures, and were damaged by Superstorm Sandy. NJARNG will replace facilities on a one-for-one replacement. This will include construction of

a new collocated general instruction building/medical clinic (GIB/MED), a new collocated engineering and housing maintenance shop/field maintenance shop (EHMS/FMS), and a new power plant building (PPB) to supply power to critical services at the NGTC during power outages. Support infrastructure, including parking and utility connections, would be included in the construction of the abovementioned facilities. A portion of the proposed action will occur within the 100-year floodplain, per the Federal Emergency Management Agency's (FEMA) Preliminary Flood Insurance Rate Maps (FIRM) for Monmouth County, New Jersey, map numbers 34025C0343G and 34025C0456G, dated January 1, 2014. Documentation of compliance with Executive Order (EO) 11988, *Floodplain Management*, was prepared concurrently to this EA, dated December 2014, and is available for review in Appendix F of this EA. The ARNG-Installation Division's request to Deputy Assistant Secretary of the Army, Installations, Housing, and Partnerships (DASA-IH&P) for a waiver to construct in a floodplain, as authorized by EO 11988, is also attached to the EA.

Action Alternative 1

Under Alternative 1, NJARNG would repair the facilities that are proposed for demolition under the Proposed Action. NJARNG would not construct new buildings under this Proposed Action. This alternative would not provide increased capacity and efficiency on-Post, as envisioned in the 2010 Sea Girt NGTC Master Plan, and buildings located in the floodplain would be repaired in place. Alternative 1 was not considered for further analysis in this EA due to the cost associated with repairing the outdated structures in compliance with current construction codes, and due to the risk of recurring damage caused by being located in the floodplain.

No Action Alternative

Under this alternative, existing Sea Girt NGTC buildings damaged by Superstorm Sandy, and proposed for replacement, would remain outdated, substandard, and underused structures. As such, conditions would remain as they currently exist at Sea Girt NGTC, which would adversely impact operational efficiency and the capacity for NJARNG to carry out its mission.

2. Environmental Analysis

The potential environmental impacts associated with the Proposed Action are fully described in the EA. The environmental analysis set forth in the 2013 Sea Girt NGTC Master Plan Programmatic EA was adopted when possible, in accordance with 40 CFR §1506.3. The current EA identifies the environmental resources that could be affected by the Proposed Action, including Land Use, Air Quality, Noise, Topography/Geology/Soils, Water Resources, Biological Resources (including Threatened and Endangered species), Cultural Resources, Socioeconomics, Environmental Justice, Infrastructure, and Hazardous and Toxic Waste Materials, and determines the significance of the impacts, if any, to each of these resources.

Based on the detailed analysis contained in the EA, the NJARNG determined that the Proposed Action will not have significant adverse impacts on the human or natural environments. Construction and demolition will cause temporary, minor adverse impacts to land use, air quality, noise, soils, water resources, wildlife, human health, infrastructure, and hazardous and toxic waste materials.

As noted above, a portion of the Proposed Action will occur within the 100-year floodplain at Sea Girt NGTC. Due to the locations of existing facilities, regulatory and engineering constraints, and need for operational efficiency, no practical alternative exists to construct the Proposed Action entirely outside the 100-year floodplain. As a result, in accordance with Executive Order 11988, *Floodplain Management*, dated 24 May 1977, the NJARNG will obtain the required floodplain waiver from DASA-IH&P prior to construction implementation. This waiver will require that construction techniques are used to minimize potential damage caused to property up to a 500-year flood event. These measures will avoid flood impacts to the Borough of Manasquan and the Borough of Sea Girt. The floodplain management analysis was published and made available for public comment, as advertised in a local newspaper (The Coast Star) once per week for five (5) weeks, between December 24, 2014, and January 22, 2015. Appendix F of the EA contains a copy of the Affidavit of Publication from The Coast Star (13 Broad Street, Manasquan, NJ 08736) documenting the publication, along with a copy of the printed notice. There were no public comments received as a result of the solicitation for public comment, per NJDMAVA. In addition, public review of the EA will allow further comment on the floodplain management analysis. Refer to Section 6 of this FNSI for more information about public review and comment of the EA.

3. Mitigation and Best Management Practices (BMPs)

No mitigation measures will be necessary to reduce significant adverse environmental impacts to less than significant levels.

Best Management Practices

The NJARNG will implement BMPs to reduce minor environmental impacts resulting from the Proposed Action. Detailed BMPs include:

- implementation of New Jersey Department of Environmental Protection (NJDEP) and New Jersey Department of Transportation (NJDOT) soil and storm water BMPs (erosion control mats, temporary vegetation, vegetated buffer strips, silt fences, hay bales, retention and detention basins);
- establishing health and safety and impact control plans during activities that may impact surrounding properties, civilians, NJARNG and contractor personnel;
- limiting demolition and construction activities to daytime hours;

- using dust and noise control measures during activities where these issues are found to impact neighboring properties, civilians, NJARNG and contractor personnel;
- prompting removal of all demolition debris from the site with restoration of site vegetation as soon as practicable;
- providing for adherence to local, state and federal codes and regulations during demolition and construction;
- providing construction traffic controls;
- obtaining required permits and approvals from regulatory agencies;
- requiring contractors to maintain construction equipment in proper condition to minimize unnecessary emissions;
- maintaining buffer zones around areas known to contain listed bird species;
- following the 2006 Integrated Cultural Resources Management Plan (ICRMP) Standard Operating Procedures (SOPs) and inadvertent discovery rules for potential artifacts uncovered during construction;
- carrying out any soil cleanups in accordance with regulations;
- managing on-Post water resources in accordance with regulations; and
- ensuring coordination with municipal officials to minimize impacts to Sea Girt NGTC neighbors and surroundings.

The Proposed Action falls within the coastal zone regulated by the New Jersey Coastal Area Facilities Review Act (CAFRA). NJDEP requires special permitting for proposed development and redevelopment activities in order to ensure protection of coastal and/or water resources (N.J.S.A. 13:19). The Proponent was issued a CAFRA permit for the RTI project on 19 July 2013 (Permit No. 1344-03-0001.2 CAF 120002). The Proponent was issued a CAFRA permit modification (Modification File No. 1344-03-0001.2 CAF 140002) to include the Proposed Action in the above referenced permit in June 2015. Both the original permit and the associated modification expire on 18 July 2018. Refer to Appendix G for copies of both approvals.

The NJDEP CAFRA permit to perform the Proposed Action also lists specific management measures to reduce adverse environmental impacts, including:

- There shall be no disturbance to wetlands located on-site;
- All excavation shall be monitored for the presence of acid-producing soil deposits and if such deposits are encountered, the permittee shall adhere to the mitigation and disposal standards outlined in the State of New Jersey Flood Hazard Area Technical Manual, including reestablishment of vegetation;
- Storm water management measures shall be maintained in effective operation;
- All sewage generating structures on the site shall be found consistent with the appropriate Area-wide Water Quality Management Plan;

- Alterations to the approved storm water management design shall be reviewed and approved by NJDEP;
- The regulated activities must be performed in accordance with the Standards for Soil Erosion and Sediment in New Jersey (N.J.A.C. 2:90);
- Prior to construction, structures proposed for demolition (including trees), modification, or reconstruction must be surveyed for kestrel nests and/or breeding activity during the breeding season (March 15 through August 15); and if same is discovered, then restriction of those activities must be observed through breeding season and mitigation for lost nests must be implemented;
- If a nearby osprey nest site is occupied by April 15, no demolition or heavy machinery/equipment shall be used between April 15 and August 31;
- If a geodetic control reference marker is found on-site and cannot be protected, the permittee shall contact NJDEP to relocate the marker;
- All debris, wood, trash, and other loose materials shall be discarded and legally disposed of offsite and no debris shall enter or remain in the water;
- Plastic under landscaped or gravel areas is prohibited;
- All fill shall be clean and free of toxins; and
- The proposed structures shall comply with the elevation and flood proofing requirements of the National Insurance Program regulations.

4. Regulations

The Proposed Action will not violate NEPA, the CEQ Regulations, 32 CFR 651 or any other Federal, State, or local environmental regulations.

5. Commitment to Implementation

The NGB and NJARNG affirm their commitment to implement the Proposed Action in accordance with NEPA. The NJARNG and NGB's Environmental Programs, Training, and Installations Divisions will ensure that adequate funds are requested in future year's budgets to utilize the proposed structures effectively.

6. Public Review and Comment

A Notice of Availability (NOA) for the final EA and this Draft FNSI will be published in the Coast Star, the Asbury Park Press, the Star Ledger, and on the NJARNG public website. Invitations to comment will be also sent via electronic mail to other federal, tribal, state, county, and local government agencies and non-governmental organizations which were consulted during the EA process and/or thought to have an interest in the in Proposed Action. The documents will be made available for public review and comment at the Sea Girt Library and

Manasquan Library for 15 days from July 23, 2015, to August 6, 2015. By way of the FNSI, the Documentation of Compliance with Executive Order 11988 (Floodplain Management) will be also made available for public review and comment as Appendix F of the EA. The Point of Contact (POC) for the NJARNG Environmental Program is Charles Appleby at (609) 530-7135, or Charles.M.Appleby.civ@mail.mil. Comments received during the EA review process will be incorporated into the final EA and FNSI.

7. Finding of No Practical Alternative

Pursuant to NEPA, as amended (42 United States Code [U.S.C.] Section 4321-4347); the CEQ's Regulations for Implementing the Procedural Provisions of NEPA (40 CFR Parts 1500-1508); the Army National Guard Manual for Compliance with the National Environmental Policy Act of 1969 (NEPA Handbook October 2011 edition), and Executive Order 11988 – Floodplain Management, there is no better practical alternative to address the purpose and need for action than the Proposed Action, which includes all practical measures to minimize harm to the floodplain and other sensitive environments. No wetlands will be impacted by the Proposed Action.

8. Finding of No Significant Impact

After careful review of the EA, I have concluded that implementation of the Proposed Action will not generate significant controversy or have a significant impact on the quality of the human or natural environmental. This analysis fulfills the requirements of NEPA and the CEQ Regulations. An Environmental Impact Statement will not be prepared and NGB is issuing this FNSI.

Date

WILLIAM M. MYER
Colonel, US Army
Chief, Environmental Programs Division

ENVIRONMENTAL ASSESSMENT

**Proposed Superstorm Sandy
Replacement Buildings and Infrastructure
New Jersey Army National Guard
Sea Girt National Guard Training Center**

**Block 106, Lot 1
Block 54, Lot 2
Block 54, Lot 2.01
Block 99, Lot 1.01
Sea Girt Avenue, Borough of Sea Girt
Monmouth County, New Jersey**

**Contract No. W90FYQ-09-D-0001
MILCON Project Numbers 340124, 340126 - 340130**

July 2015

ENVIRONMENTAL ASSESSMENT

**Proposed Superstorm Sandy Replacement Buildings and Infrastructure
New Jersey Army National Guard
Sea Girt National Guard Training Center
Sea Girt Avenue, Borough of Sea Girt
Monmouth County, New Jersey
Contract No. W90FYQ-09-D-0001
MILCON Project Numbers 340124, 340126 - 340130**

July 2015

Executive Summary1

1 Purpose of and Need for Action.....6

1.1 Introduction.....6

 1.1.1 Background.....7

1.2 Purpose of and Need for the Proposed Action.....8

1.3 Scope and Limitations of the Environmental Assessment.....8

 1.3.1 Scope of the Environmental Assessment.....8

 1.3.2 Resources Evaluated/Issues Identified.....9

 1.3.3 Limitations on Scope of the Environmental Assessment9

1.4 Decisions to be Made.....10

1.5 Public and Agency Involvement.....10

1.6 Related NEPA, Environmental, and Other Documents and Processes.....11

1.7 Regulatory Framework11

2 Description of the Proposed Action and Alternatives13

2.1 Introduction.....13

2.2 Proposed Action.....14

3 Alternatives Considered16

3.1 Alternatives Development16

 3.1.1 Screening Criteria17

3.2 Evaluated Alternatives17

 3.2.1 Alternative 1.....18

 3.2.2 No Action Alternative.....18

3.3 Alternatives Eliminated from Further Consideration19

4 Affected Environment20

4.1 Location Description.....20

4.2 Land Use and Training.....20

4.3	Air Quality	22
4.4	Noise and Disturbance	24
4.5	Topography, Geology, and Soil	26
4.6	Water Resources	27
4.6.1	Surface Water.....	27
4.6.2	Storm Water and Associated Wetlands/Watercourses.....	28
4.6.3	Floodplain Areas for 100- and 500-Year Floods	28
4.6.4	Tidelands.....	29
4.6.5	Groundwater	29
4.7	Biological Resources	30
4.7.1	Vegetation.....	30
4.7.2	Aquatic Resources and Fish.....	31
4.7.3	Wildlife and Habitat.....	31
4.8	Cultural Resources	41
4.9	Socioeconomics	45
4.10	Environmental Justice.....	48
4.11	Infrastructure.....	48
4.12	Hazardous Waste Materials and Accidental Spills	50
5	Environmental Consequences.....	60
5.1	Implementation of Construction Activities at Sea Girt and Operations Impacts Analysis.....	60
5.2	Land Use and Training.....	60
5.2.1	Effects of the Proposed Action	61
5.2.2	Effects of No Action Alternative	61
5.3	Air Quality	62
5.3.1	Effects of the Proposed Action	62
5.3.2	Effects of No Action Alternative	63
5.4	Noise and Distribution	63
5.4.1	Effects of the Proposed Action	64
5.4.2	Effects of the No Action Alternative	65
5.5	Topography, Geology, and Soil	65
5.5.1	Effects of the Proposed Action	65
5.5.2	Effects of the No Action Alternative	66
5.6	Water Resources and Wetlands	66
5.6.1	Surface Water.....	68
5.6.1.1	Effects of the Proposed Action	68
5.6.1.2	Effects of the No Action Alternative	69
5.6.2	Storm Water and Associated Wetlands/Watercourses.....	69
5.6.2.1	Effects of the Proposed Action	69

5.6.2.2	Effects of the No Action Alternative	71
5.6.3	Floodplain Areas for 100- and 500-Year Floods	71
5.6.3.1	Effects of the Proposed Action	71
5.6.3.2	Effects of the No Action Alternative	72
5.6.4	Tidelands	72
5.6.4.1	Effects of the Proposed Action	72
5.6.4.2	Effects of the No Action Alternative	72
5.6.5	Groundwater	73
5.6.5.1	Effects of the Proposed Action	73
5.6.5.2	Effects of the No Action Alternative	73
5.7	Biological Resources	73
5.7.1	Vegetation	73
5.7.1.1	Effects of the Proposed Action	74
5.7.1.2	Effects of the No Action Alternative	74
5.7.2	Aquatic Resources and Fish	74
5.7.2.1	Effects of the Proposed Action	74
5.7.2.2	Effects of the No Action Alternative	75
5.7.3	Wildlife and Habitat	75
5.7.3.1	Effects of the Proposed Action	76
5.7.3.2	Effects of the No Action Alternative	80
5.8	Cultural Resources	80
5.8.1	Effects of the Proposed Action	80
5.8.2	Effects of the No Action Alternative	81
5.9	Socioeconomics	81
5.9.1	Effects of the Proposed Action	81
5.9.2	Effects of the No Action Alternative	83
5.10	Environmental Justice	83
5.10.1	Effects of the Proposed Action	83
5.10.2	Effects of the No Action Alternative	84
5.11	Infrastructure	84
5.11.1	Effects of the Proposed Action	84
5.11.2	Effects of the No Action Alternative	85
5.12	Hazardous and Toxic Waste Materials and Accidental Spill	85
5.12.1	Effects of the Proposed Action	85
5.12.2	Effects of the No Action Alternative	86
5.13	Mitigation Measures/Best Management Practices (BMPs)	86
5.13.1	Finding of No Practical Alternative	88
5.14	Cumulative Effects	88
6	Comparison of Alternatives & Conclusions	91

6.1	Comparison of the Environmental Consequences of the Alternatives	91
6.2	Conclusions.....	94
7	References	96
8	List of Preparers	101
9	Agencies and Individuals Consulted	102

Appendices

Appendix A	Site Photos
Appendix B	Project Specific Scoping Requests and Responses
Appendix C	Correspondences
Appendix D	Public Notice Documentation
Appendix E	Telecom Categorical Exclusion Record of Consideration (REC)
Appendix F	Floodplain Management Analysis and Waiver
Appendix G	CAFRA Permit Documentation
Appendix H	Meeting Minutes
Appendix I	Air Quality Record of Non-Applicability (RONA)
Appendix J	Dewatering Plan
Appendix K	Soil Erosion and Sediment Control Plan Certification Letter

List of Tables

ES-1	Summary of Consequences for Implementation of the Proposed Alternatives
1-1	Possible Permits Required for the Proposed Action
4-1	National Ambient Air Quality Standards (NAAQS)
4-2	Sea Girt NGTC Air Emissions in tons per year (TPY)
4-3	De Minimis Levels for Non-attainment Areas
4-4	Endangered and Threatened Species Documented at Sea Girt NGTC
5-1	Noise Limits for Noise Zones (AR 200-1 Chapter 14)
5-2	Potentially Vulnerable Species Located On Site
6-1	Summary of Consequences for Implementation of the Proposed Alternatives

List of Figures

Figure 1	Site Location Map
Figure 2	Tax Map
Figure 3	Aerial Photograph
Figure 4	Proposed Action Site Layout
Figure 5	Alternative 1 Site Layout
Figure 6	No Action Alternative Site Layout

Figure 7	United States Department of Agriculture Soil Survey
Figure 8	National Wetlands Inventory Map
Figure 9	New Jersey Department of Environmental Protection Freshwater Wetlands Map
Figure 10	Federal Emergency Management Agency Preliminary Flood Insurance Rate Map
Figure 11	New Jersey Department of Environmental Protection Tidelands Conveyances
Figure 12	ASGECI Flora Special Species Map
Figure 13	ASGECI Fauna Special Species Map

List of Acronyms and Abbreviations

°F	degrees Fahrenheit
ACHP	Advisory Council on Historic Preservation
AQCR	Air Quality Control Region
AR	Army Regulation
ARNG	Army National Guard Directorate
AST	Aboveground Storage Tank
BMP	Best Management Practice
CAFRA	Coastal Area Facility Review Act
CFR	Code of Federal Regulations
CO	carbon monoxide
CWA	Clean Water Act
dBA	decibels on an A-weighted scale
dBC	decibels on a C-weighted scale
DoD	Department of Defense
EA	Environmental Assessment
EIS	Environmental Impact Statement
EO	Executive Order
FAA	Federal Aviation Administration
FMS	Field Maintenance Shop
FNSI	Finding of No Significant Impacts
FSB	Forward Support Battalion
FY	Fiscal Year
HMMWV	High Mobility Multipurpose Wheeled Vehicle
ICRMP	Integrated Cultural Resources Management Plan
INRMP	Integrated Natural Resource Management Plan
IWWA	Inland Wetlands and Watercourses Act
Ldn	Day-night average sound level
LEED	Leadership in Energy and Environmental Design
LUPZ	Land Use Planning Zone
MILCON	Military Construction

MOUT	Military Operations on Urban Terrain
MWR	Morale Welfare and Recreation
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NGB	National Guard Bureau
NGR	National Guard Regulation
NGTC	National Guard Training Center
NHPA	National Historic Preservation Act
NJANG	New Jersey Air National Guard
NJARNG	New Jersey Army National Guard
NJDEP	New Jersey Department of Environmental Protection
NJDMAVA	New Jersey Department of Military and Veteran Affairs
NJSHPO	New Jersey State Historic Preservation Office
NJSP	New Jersey State Police
NO _x	Nitrogen dioxide
NPA	Northern Protected Area (of Sea Girt NGTC)
NRHP	National Register of Historic Places
O ₃	Ozone
OACSIM	Office of the Assistant Chief of Staff for Installation Management
OSHA	Occupational Safety and Health Agency
PEA	Programmatic Environmental Assessment
Pb	Lead
PM ₁₀	Particulate matter smaller than 10 microns in size
POL	Petroleum, Oil, and Lubricant
PPP	Pollution Prevention Plans
PSD	Prevention of Significant Deterioration
RCRA	Resource Conservation and Recovery Act
REC	Record of Environmental Consideration
RONA	Record of Non-Applicability
RTI	Regional Training Institute
SBA	Southern Beach Area (of Sea Girt NGTC)
SIP	State Implementation Plans
SO ₂	Sulfur dioxide
SOP	Standard Operating Procedure
SPA	Southern Protected Area (of Sea Girt NGTC)
SPCCP	Spill Prevention, Control, and Countermeasure Plan
SRHP	State Register of Historic Places
TASS	Total Army School System
tpy	ton per year
U.S.	United States

USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
UST	Underground Storage Tank
VFR	Visual Flight Rule
WWII	World War II

Executive Summary

The purpose of the National Environmental Policy Act of 1969 (NEPA), as amended (42 United States Code [U.S.C.] Section 4321-4347), is to assure that activities involving federal agencies are evaluated to determine whether, and to what extent, a proposed federal action might impact the environment. This Environmental Assessment (EA) provides analysis of environmental impacts that might result from the proposed one-for-one replacement of mission-critical facilities damaged during Superstorm Sandy, at the New Jersey Army National Guard (NJARNG) National Guard Training Center (NGTC) in Sea Girt, New Jersey.

In late October 2012, the NJARNG NGTC sustained considerable damage as a result of Superstorm Sandy. In response, the NJARNG was approved to initiate Military Construction (MILCON) for Superstorm Sandy Disaster Response Projects to replace buildings damaged in the storm. Continued use, or inability to use, damaged facilities in their current condition would substantially compromise the NJARNG's ability to fulfill its mission. Sea Girt NGTC delivers critical facilities that impact troops throughout the northeastern United States. Without the full use of these facilities the NGTC does not adequately meet National Guard Bureau's (NGB) readiness requirements for troop training and mobilization.

The Proposed Action includes constructing a new collocated general instruction building/medical clinic (GIB/MED), a new collocated engineering and housing maintenance shop/field maintenance shop (EHMS/FMS), and a new power plant building (PPB) to supply power to critical services at the NGTC during power outages. These facilities will be located outside of the floodplain to reduce the likelihood of future flood damage. Seven buildings in disrepair as a result of Superstorm Sandy will be demolished as they are replaced by the newer, more efficient and modern buildings described above. Construction of the new multi-use complexes will result in approximately 2.06 acres of permanent impervious coverage.

The site-specific natural resources evaluated in this EA include: Land Use, Air Quality, Noise, Topography/Geology/Soils, Water Resources, Biological Resources, Cultural Resources, Socioeconomics, Environmental Justice, Infrastructure, and Hazardous and Toxic Waste Materials.

Three alternatives, including the Proposed Action, were considered for this EA:

- **Proposed Action.** The Proposed Action, which is the Preferred Action Alternative, is to construct state of the art one-for-one replacement facilities for NGTC buildings damaged by Superstorm Sandy. The Proposed Action provides for complete demolition of five existing buildings and demolition of two buildings that are partially demolished. Buildings proposed for demolition are being replaced because they are outdated and

substandard structures, located within the 100-year floodplain, and damaged by Superstorm Sandy. These impaired buildings would be replaced by the GIB, MED, FMS, EHMS, and PPB, including upgrades to supporting infrastructure (e.g., parking lots and utility connections). A review of potential adverse impacts from the Proposed Action indicated short-term impacts could be experienced; however, available management measures will sufficiently attenuate those impacts. The impacts would be similar to those regularly experienced during commercial construction projects and normal daily training activities at the Sea Girt NGTC. Best Management Practices would be implemented during demolition and construction activities, regulatory permits would be acquired, and operations would comply with Federal, State, and local regulations and NJARNG standard operating procedures. The Proposed Action is identified as MILCON Project Numbers 340124 and 340126 through 340130.

- **Alternative 1.** Alternative 1 would repair the facilities that are proposed for demolition under the Proposed Action. New buildings under the Proposed Action would not be constructed. This alternative would not provide increased capacity and efficiency on-Post, as envisioned in the Sea Girt NGTC Master Plan, and repaired buildings would be located in the floodplain. Alternative 1 was not considered for further analysis in this EA due to the cost associated with repairing the outdated structures in compliance with current construction codes and the risk of recurring damage caused by being located in the floodplain.
- **The No Action Alternative.** Existing buildings damaged by Superstorm Sandy, and proposed for replacement, would remain outdated, substandard, and underused structures. As such, phases outlined in the Sea Girt NGTC Master Plan would not be implemented at this time and conditions would remain as they currently exist at Sea Girt NGTC. This alternative would marginalize the ability of the NGTC to support troops during training and execution of United States based and overseas missions in defense of the nation. In addition, derelict buildings would continue to degrade and become more visually obtrusive, which would impact troop and community morale. The No Action Alternative would result in unutilized land occupied by derelict buildings damaged by Superstorm Sandy, which is considered a significant impact to land use and training on-Post; however, per National Environmental Policy Act (NEPA) requirements, the No Action Alternative was analyzed further in the EA presented herein.

Refer to Table ES-1 for a matrix comparison of the anticipated impacts resulting from the Proposed Action and the No Action Alternative. The benefits of the Proposed Action outweigh the potential impacts resulting from the project. In accordance with NEPA procedures, a Finding of No Significant Impact (FNSI) will be prepared for the Proposed Action, as potential adverse

impacts to the resources analyzed at Sea Girt NGTC were found to be short-term, able to be managed and/or mitigated, and thereby insignificant.

Table ES-1 Summary of Consequences for Implementation of the Proposed Alternatives

Affected Environment	Alternatives		Time-Frame of Adverse Impacts
	Proposed Action	No Action	
LAND USE AND TRAINING			
Potential effects on existing land uses	●	●	Long-term
AIR QUALITY			
Exceedance of regulatory thresholds at an installation	●	○	Short-term
NOISE AND DISTURBANCE			
Potential impacts to military personnel	●	○	Short-term
Potential impacts to civilian residents near Post	●	○	Short-term
Potential disturbance to wildlife activities and habitat use	●	○	Short-term
TOPOGRAPHY, GEOLOGY, SOIL			
Loss of soil due to erosion	●	○	Short-term
Loss of soil productivity	○	○	
WATER RESOURCES AND WETLANDS			
Increase in sediment load in surface water resources	○	○	
Potential impacts to wetlands	○	○	
Accidental spill into aquatic bodies	●	○	Short-term
VEGETATION			
Potential impacts to plant productivity and health	○	○	
Potential impacts to endangered and threatened plants	○	○	
AQUATIC RESOURCES AND FISH			
Potential loss of fish and fish habitat	○	○	
Potential impacts to endangered and threatened fish	○	○	
○= No adverse/beneficial impact ●= Insignificant impact ●= Significant impact			

Table ES-1 Summary of Consequences for Implementation of the Proposed Alternatives (cont.)

Affected Environment	Alternatives		Time-Frame of Adverse Impacts
	Proposed Action	No Action	
WILDLIFE			
Potential impacts to wildlife health	●	○	Short-term
Potential impacts to wildlife habitat	○	○	
Potential impacts to endangered and threatened species	●	○	Short-term
CULTURAL RESOURCES			
Potential effects to historic structures	○	○	
Potential effects to Tribal resources	○	○	
Potential effects to archeological resources	○	○	
SOCIOECONOMIC/ENVIRONMENTAL JUSTICE/CHILDREN			
Disproportionate impacts to minority/low-income populations	○	○	
Disproportionate impacts to children	○	○	
Potential effects on recreational activities	○	○	
HUMAN HEALTH			
Impacts to health of NJARNG/New Jersey State Police (NJSP) personnel	●	○	Short-term
Effects on health of on-Post personnel and civilians	●	○	Short-term
Potential impacts to health of public	○	○	
Potential impacts to health of children and sensitive People	○	○	
INFRASTRUCTURE			
Potential impacts on installation and off-Post roads/ traffic	●	○	Short-term
SOLID, HAZARDOUS, TOXIC WASTE AND SPILLS			
Potential for an accidental spill	●	○	Short-term
Lead impact to range areas	○	○	
Impact from contaminated building materials	●	○	Short-term
Impact from contaminated soil or groundwater	●	○	Short-term
○= No adverse/beneficial impact ●= Insignificant impact ●= Significant impact			

1 Purpose of and Need for Proposed Action

1.1 Introduction

In late October 2012, the New Jersey Army National Guard (NJARNG) National Guard Training Center (NGTC) in Sea Girt, New Jersey, sustained considerable damage as a result of Superstorm Sandy. In response, the NJARNG was approved to initiate Military Construction (MILCON) for Superstorm Sandy Disaster Response Projects to replace buildings damaged in the storm. Refer to Figure 1 for a site location map that identifies the site on the United States Geological Survey (USGS) topographic quadrangles for Asbury Park and Point Pleasant, New Jersey.

The Proposed Action examined in this Environmental Assessment (EA) includes a new collocated general instruction building/medical clinic (GIB/MED), a new collocated engineering and housing maintenance shop/field maintenance shop (EHMS/FMS), and a new power plant building (PPB) to supply power to critical services at the NGTC during power outages. These facilities will be located outside of the floodplain to reduce the likelihood of future flood damage. As a result of Superstorm Sandy, seven buildings in disrepair as will be demolished as they are replaced by the newer, more efficient and modern buildings described above. Construction of the new multi-use complexes will result in approximately 2.06 acres of permanent impervious coverage.

The primary military purpose of the Sea Girt NGTC is to serve as the central training facility for NJARNG units. The NGTC also provides training facilities for Army National Guard (ARNG) troops from neighboring states (i.e., New York and the six New England states). In addition, the NGTC is utilized for execution of domestic and overseas missions in defense of the nation and is the location of the New Jersey State Police (NJSP) Academy.

This EA has been prepared to comply with the requirements of the National Environmental Policy Act of 1969 (NEPA), as amended (42 United States Code [U.S.C.] Section 4321-4347); the Council on Environmental Quality's (CEQ) Regulations for Implementing the Procedural Provisions of NEPA (40 Code of Federal Regulations [CFR] Parts 1500-1508); and the Army National Guard Manual for Compliance with the National Environmental Policy Act of 1969 (NEPA Handbook October 2011 edition).

Pursuant to the Department of Defense (DoD) Directive 5105.77, National Guard Bureau (NGB), dated 21 May 2008, the NGB serves as the principal advisor on matters involving the ARNG, and is responsible for implementing DoD guidance on the structure and strength authorizations of the ARNG. The NGB is responsible for ensuring that ARNG activities are performed in accordance with applicable policies and regulations. As such, the NGB is the lead federal agency responsible for preparation of NEPA-compliant documentation on projects for

which the NJARNG is the proponent. In that capacity, the NGB is ultimately responsible for environmental analyses and documentation; however, the local responsibility for NEPA document preparation falls upon the NJARNG (DoD Directive 5105.77).

This EA analyzes the potential for significant environmental effects associated with the Preferred Action Alternative (Proposed Action), Alternative 1, and the No Action Alternative. If the analyses presented in this EA indicate that the Proposed Action would not result in significant environmental or socioeconomic effects, then a Finding of No Significant Impact (FNSI) will be prepared. A FNSI briefly presents the reasons a proposed action would not have a significant effect on the human environment and an Environmental Impact Statement (EIS) would not be necessary. If the analyses presented in this EA indicate that significant environmental effects would result from the Proposed Action that cannot be mitigated to insignificance, a Notice of Intent to prepare an EIS would be required or no action would be taken.

1.1.1 Background

The Sea Girt NGTC (may also be referred to as the “Post”) was purchased for Army National Guard (ARNG) training use in 1887 from private landholders and currently occupies approximately 171 acres. Refer to Figure 2 for an illustration of the site as identified by the tax map provided by the Monmouth County, New Jersey, Office of Information Technology. Figure 3 is a local road map. Refer to Appendix A for site photographs.

Operational structures on Post include a FMS, MED, the State Military Museum, small arms firing range complex, barracks, various support buildings, the NJSP Crime Lab, and State law enforcement training facilities for both the NJSP and the New Jersey Department of Corrections. Sea Girt NGTC training activities include skills such as combat arms, combat support, leadership, military occupational specialties, and general studies training. NJARNG personnel also monitor and coordinate academic instruction, food services, and lodging for soldiers receiving the training. The Sea Girt NGTC currently employs 30 NJARNG and 175 NJSP full-time personnel, while accommodating temporary fluctuations in anticipated student populations currently up to 1,113 trainees per weekday.

During the last week of October 2012, Superstorm Sandy (may also be referred to as “the storm” or “Sandy”) struck the East Coast of the United States. States in New England and the Middle Atlantic were impacted by the storm, but the coastal areas of New Jersey were particularly hard hit. Sea Girt NGTC sustained the most storm damage of any ARNG installation. Buildings damaged by Superstorm Sandy are mostly located within the 100-year floodplain, according to the best available flood hazard data provided by the Federal Emergency Management Agency’s (FEMA) Preliminary Flood Insurance Rate Maps (Pre-FIRM) for Monmouth County. Each of

these flood-prone buildings received approximately five feet of storm surge during Sandy (Kleinfelder, 2013).

After the storm, a comprehensive condition assessment was performed by the National Guard Bureau (NGB) and NJARNG on the Sandy-damaged facilities. Due to the associated repair costs, facility age, location within a flood plain, loss or damage to facility contents, and current code compliance requirements, several of these facilities (MED, GIB, FMS, EHMS) should be replaced (Jacobs, 2014b).

1.2 Purpose of and Need for the Proposed Action

The purpose of this proposed project is to construct one-for-one replacement facilities for damaged buildings and infrastructure resulting from Superstorm Sandy that occurred in October 2012. The NGTC facilities that were significantly damaged in the floodplain will be relocated outside of the floodplain to reduce the likelihood of recurring damage. Continued use of damaged facilities, or inability to use damaged facilities, in their current condition would substantially compromise the NJARNG's ability to fulfill its mission. Sea Girt NGTC provides critical facilities that support National Guard soldiers throughout the northeastern United States. Without the full use of these facilities the NGTC does not adequately meet the NGB's readiness requirements for troop training and mobilization.

1.3 Scope and Limitations of the Environmental Assessment

1.3.1 Scope of the Environmental Assessment

National Guard Regulation (NGR) 415-10, Army National Guard Facilities Construction (25 July 2003), states that construction projects for readiness centers and training facilities through State or Federal contracts are eligible for Federal support. However, States must incorporate common construction standards identified in DoD publications (such as anti-terrorism/force protection) and all environmental protection features required by Federal, State, and local codes and regulations (NG Pamphlet 415-12, 30 April 2007). Construction activities for the Proposed Action would comply with the guidelines set forth for general construction of buildings, space allowance, and design.

Per established protocols, procedures, and requirements, the NJARNG will implement Best Management Practices (BMPs) and will satisfy all applicable regulatory requirements in association with design, construction, and operation of the Proposed Action component projects. These "management measures" are described in this EA and are included as components of the Proposed Action. "Management measures" are defined as routine BMPs and/or regulatory compliance measures the NJARNG regularly implements as part of their activities, as

appropriate, across the State of New Jersey. These are different from “mitigation measures,” which are defined as project-specific requirements, not routinely implemented by the NJARNG, necessary to reduce identified potentially significant adverse environmental impacts to less than significant levels. This EA provides decision-makers with the information needed to analyze the environmental impacts and impact minimization measures associated with the Proposed Action and alternatives. It also provides a forum for public comment on the Proposed Action.

1.3.2 Resources Evaluated/Issues Identified

General resources that were evaluated within this EA include: land use; air quality; topography, geology and soils; surface and groundwater; cultural resources; helicopter and air space operations; transportation and traffic; solid, hazardous, and toxic waste materials; noise; flora and fauna and their habitat; and socioeconomic and environmental justice conditions. Resources were evaluated in accordance with NEPA guidelines. Based upon preliminary scoping and review of available site-specific reports, in particular a recently prepared EA for the on-site Regional Training Institute (AECOM, 2013a), environmental issues (also referred to as technical resource areas) were identified which require more detailed analysis in this EA. Issues determined to result potentially as impacts to the natural environment are mostly due to construction/demolition activities. These impacts will be analyzed further in Section 4.0 of this EA.

1.3.3 Limitations on Scope of the Environmental Assessment

This EA identifies the range of activities likely to be considered for implementation as a result of the Proposed Action. The EA is applicable to the demolition and construction activities related to the one-for-one buildings replacement and the construction of the PPB. Additional equipment and systems considered necessary to keep pace with National Security and NJARNG mission needs, and the specific training activities for these operations, are subject to continuous evaluation and change. Changes may occur in response to a variety of factors, including new mission assignments, new technologies or training methods, or national defense requirements. If changes in the proposed NJARNG activities occur, they would be reviewed by NGB and NJARNG environmental staff to determine the appropriate level of environmental documentation needed, including a Record of Environmental Consideration (REC), an EA, or an EIS. This EA would serve as a source document that can be used in support of any additional documentation that may be required. New or additional actions would be evaluated for compliance with Federal, State, and local laws and regulations prior to implementation, and the public would be informed of major actions that may be considered for implementation at Sea Girt NGTC, as part of the NEPA compliance process.

1.4 Decisions to be Made

Having taken potential environmental impacts into account, the decision to be made is whether the NJARNG should construct and operate the proposed replacement facilities and, as appropriate, implement measures to reduce their associated effects on environmental resources. The NGB, working with the NJARNG, will ultimately decide whether the action is funded and constructed.

1.5 Public and Agency Involvement

Agencies involved in implementing the Proposed Action include the New Jersey Department of Military and Veteran Affairs (NJDMAVA) and NGB. In accordance with 40 CFR 1506.6, 32 CFR 651.47, and the NEPA Handbook October 2011 edition, agencies involved in the review and comment on potential impacts from the Proposed Action include the New Jersey Department of Environmental Protection (NJDEP), United States Fish and Wildlife Service (USFWS), New Jersey State Historic Preservation Office (NJSHPO), the Borough of Manasquan Planning Board, Borough of Sea Girt Planning Board, representatives of interested Native American Tribes, and the United States (US) Army Corps of Engineers.

Project-specific scoping request letters were sent to the United States Environmental Protection Agency (USEPA), US Army Corps of Engineers, FEMA, USFWS, NJSHPO, NJDEP Office of Permit Coordination and Environmental Review, NJDEP Division of Land Use Management, NJDEP Fish & Wildlife Bureau, Monmouth County Division of Planning, Monmouth County Park System, Monmouth Regional Health Commission # 1, Borough of Sea Girt, Borough of Manasquan, and the Freehold Soil Conservation District.

Scoping letters were also sent to Native American Tribes interested in the site. There are no federally recognized tribes located within the State of New Jersey, though NJDMAVA maintains regular consultation/communication with interested Native American Tribes. In accordance with DoD Instruction (DoDI) 4710.02, DoD Interactions with Federally-Recognized Tribes (14 September 2006), within which the DoD Annotated American Indian and Alaskan Native Policy (October 1999) is a component, the NJDMAVA Cultural Resource Officer submitted scoping letters specific to this project to selected tribal representatives which advised the representatives of the pending EA and invited their comment.

The Proponent has fulfilled its scoping requirements. See Appendix B for project specific scoping request correspondences with the abovementioned entities. Environmental agencies, the Proponent, and the public were involved to the extent practical in the preparation of this EA, including a 15-day public comment period for the Final EA, and the subsequent Draft Finding of No Significant Impact (FNSI). The public comment period was reduced per approval from NGB

(see Appendix C for relevant correspondences). Individual copies of the EA and Draft FNSI documents were delivered to each review entity, the surrounding municipal officials, and public libraries of the communities affected by the Proposed Action. Public notification documentation is provided in Appendix D. Written comments will be addressed in the Final FNSI document and incorporated into a “comments received” Appendix.

1.6 Related NEPA, Environmental, and Other Documents and Processes

The following recent site-specific NEPA documents were reviewed as part of the analysis presented herein:

- AECOM. 2013a. “Environmental Assessment for Regional Training Institute Construction and Updates for the New Jersey Army National Guard”. July 2013. Prepared for United States Army Corps of Engineers.
- AECOM. 2013b. “Programmatic Environmental Assessment, Master Plan Implementation, Sea Girt National Guard Training Center, New Jersey Army National Guard, Sea Girt, Monmouth County, New Jersey and Finding of No Significant Impact (FNSI), Master Plan Implementation, Sea Girt National Guard Training Center, New Jersey Army National Guard, Monmouth County, New Jersey”. May 28, 2013.

1.7 Regulatory Framework

The Proponent shall comply with applicable Federal, State, and local guidelines and regulations and obtain applicable federal and state permits before initiating any activities under the Proposed Action.

Table 1-1 Possible Permits Required for the Proposed Action

Permit/Approval/Authorization	Authorizing Statute	Comment
General New Jersey Pollutant Discharge Elimination System (NJPDES) Construction Permit	New Jersey Administrative Code (N.J.A.C.) 7:14A	Would include development of a Storm Water Pollution Control Plan that addresses construction sequencing and erosion/sediment controls during construction. Post construction storm water Best Management Practices (BMPs) also would be developed and described in the Plan.
NJPDES Construction Dewatering General Permit	New Jersey Statutes Annotated (N.J.S.A.) 58:10A et seq.	May be required in reference to any dewatering of groundwater during construction phases.

Permit/Approval/Authorization	Authorizing Statute	Comment
Coastal Area Facilities Review Act (CAFRA)	Coastal Permit Program Rules – N.J.A.C. 7:7 Coastal Zone Management Rules – N.J.A.C. 7:7E	Would be required since the Sea Girt NGTC is located within CAFRA area.
Flood Hazard Area Control Act	Flood Hazard Area Control Act Rules - N.J.A.C. 7:13	May be required for construction in regulated areas.
Freshwater Wetlands Permit	Freshwater Wetlands Protection Act Rules – N.J.A.C. 7:7A	Would be needed for areas of freshwater wetlands and associated transition areas and not currently regulated as Coastal Wetlands.
Floodplain Waiver	Executive Order 11988	The waiver requires a signature from the Office of the Assistant Chief of Staff for Installation Management (OACSIM) and must follow the process set forth in Executive Order (EO) 11988 (Appendix F).
Notification of Asbestos Abatement	40 CFR 61.145 to 61.155 NJDEP Solid and Hazardous Waste Management Rules – N.J.A.C. 7:26	May be required in reference to the removal and disposal of probable asbestos-containing materials in buildings to be demolished.
Soil and Erosion Control Plan Certification	NJ Soil Conservation Standards – N.J.A.C. 2:90	Will be required for land disturbance in excess of 5,000 square feet.
Notification of Lead Abatement	40 CFR 61.145 to 61.155 NJDEP Solid and Hazardous Waste Management Rules – N.J.A.C. 7:26	May be required in reference to the removal and disposal of probable lead-based paint in buildings to be demolished.
USFWS Consultation	Endangered Species Act	Will be required as proposed development may impact a federally listed rare species.
New Jersey Department of Community Affairs (DCA)	Various adopted codes and standards	Will be required for all building related approvals.
NEPA Assessment	National Environmental Policy Act of 1969	Will be required (this document).

2 Description of the Proposed Action

2.1 Introduction

The Proposed Action presented herein was developed in a consensus-based forum in conjunction with the New Jersey National Guard Command Leadership, FMS, EHMS, MED, GIB facility users, and Jacobs Global Building's (Jacobs) architects and engineers during a detailed concept design working meeting held during the week of 22 July 2013, at the NJARNG Headquarters located in Lawrenceville, NJ. For each facility damaged by Superstorm Sandy, Jacobs developed a range of potential design solutions consistent with the current Master Plan. These designs are described in the Design Charrette (Jacobs, 2014b). As a result of stakeholder input and formulation of the Design Charrette, a preferred alternative was selected for the Proposed Action. The preferred alternative best addressed these project goals:

- Replace critical structures at the Sea Girt NGTC that were damaged during Superstorm Sandy;
- Provide the NJARNG with new and updated facilities needed to ensure unit training readiness for domestic disaster response and overseas deployment;
- Integrate green principles and practices into redevelopment at the Sea Girt NGTC, according to the US Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System™, which encourages and accelerates global adoption of sustainable green building and development practices;
- Facilitate NJARNG's continued compliance with local, state, and federal regulations;
- Avoid or minimize direct impacts to the natural environment, including the floodplain, through use of thoughtful facilities layout (e.g., low impact development and mission collocation principals), maximized use of existing footprints, and landscaping design;
- Comply with ARNG and DoD anti-terrorism and force protection (AT/FP) standards through an updated facilities layout;
- Avoid or minimize human health and property impacts to military personnel on Sea Girt NGTC and the off-installation public as a result of actions proposed; and
- Continue to support evolving training needs for NJ Department of Corrections and State Police, both of which have training academies at Sea Girt NGTC.

The Proposed Action, MILCON Project Numbers 340124 and 340126 through 340130, includes construction of a collocated GIB/MED facility, a collocated EHMS/ FMS facility, and a PPB, in addition to supporting parking areas and utility infrastructure. Pending telecommunications (Telecom) infrastructure upgrades were determined to be categorically excluded from this analysis. Refer to Appendix E for analysis documented in a REC leading to the conclusion that the Telecom project qualifies for a Categorical Exclusion pursuant to NEPA criteria. Figure 4 shows the Proposed Action on an aerial photograph.

2.2 Proposed Action

The Proposed Action involves one-for-one replacement of critical facilities damaged during Superstorm Sandy. Designed for flexibility and expandability, the Proposed Action will provide modern facilities in support of current and future NGTC and NJARNG state mission requirements and operations. Prior to construction, Buildings 64 and 64-T will be demolished, including all below grade foundations and utilities leading back to the existing main utility line. Building 55 was previously demolished, but the concrete pad and utilities leading back to the existing main utility line will be removed before construction begins. In addition, the sewer and water utilities associated with Building 41 will be removed. After construction of the proposed structures, Buildings 36, 59, and 65 will be demolished, including all below grade foundations and utilities leading back to the existing main utility line.

New construction design on Sea Girt NGTC would follow US Army strategy for integrating the practices and principles of sustainability on installations through the US Green Building Council's LEED program and the 2011 New Jersey State Energy Master Plan. The LEED program requires enhanced building sustainability and energy efficiency technologies to be employed in new design and construction. Refer to the Design Charrette for more details (Jacobs, 2014b). The 16 December 2013 Department of Army Memorandum entitled "Sustainable Design and Development Update" also mandates that the Army "will plan, design, build, and operate facilities to achieve the highest-performing sustainable design that is life-cycle cost-effective within the program amount". The abovementioned sustainability practices will satisfy that mandate.

The proposed GIB and MED will be collocated on the subject property and sited to the southeast of existing Building 11 (Dining Facility), north of existing Building 37, west of Anderson Drive, and south of Academy Way. The approximate development area for the GIB/MED is two-point-zero (2.0) acres. The collocated facility is one-story, where the MED (9,864 square feet [SF]) will provide routine and emergency medical screening capabilities and pre-mobilization medical services. The GIB (11,492 SF) will provide multipurpose training and instruction and a physical fitness area. Underground cable pathways will connect from the buildings to the primary Telecom infrastructure. Supporting accessories for the facility include a Privately Owned Vehicles (POV) parking lot designed to accommodate 55 vehicles, which totals approximately zero-point-six (0.6) acres, south of Governor Wilson Drive (also referred to as Camp Drive).

The proposed EHMS/FMS will be located in the heart of the NGTC immediately northeast of the existing P1 POV parking lot and southeast of Building 25. The approximate development area for the EHMS/FMS is three-point-two-five (3.25) acres and athletic fields bound the area to the north, east, and south. The P1 POV parking lot and the row of Buildings 22, 23, 24, and 25 bound the area to the west. The EHMS/FMS building will consist of a 15,401 SF single-story

structure divided into two portions – north and south. The northern portion is 10,301 SF and will be dedicated to the EHMS. The southern portion is 5,100 SF and will house the FMS. An area for future expansion has also been considered within the EHMS/FMS site. Underground cable pathways will connect from the buildings to the primary Telecom infrastructure. An organizational parking area, totaling approximately zero-point-five-six (0.56) acres, will be located to the south of the EHMS/FMS.

The proposed PPB will be located at the west end of the NGTC, on the west side of Governor Wilson Drive, between the Verizon building and the existing photovoltaic solar array. The approximate development area for this facility is zero-point-five (0.5) acres. The structure operated by Verizon and a parking lot bound the site to the north, with the photovoltaic solar array to the south, Governor Wilson Drive to the east, and a Consolidated Rail Corporation (CONRAIL) rail road right-of-way to the west. The PPB will consist of a 2,050 SF single-story structure that will house two 500 kilovolt-amp (KVA) diesel-powered generators and associated electrical equipment. Underground cable pathways will connect from the building and terminate at a power pole located north of Building 59. The proposed PPB is necessary to support the proposed buildings during times when energy is not available from the usual source. The exterior massing and architectural treatment of the proposed facilities are based on the contextual aesthetics established from the Regional Training Institute (RTI), which is currently being constructed on the subject property.

The facility site locations were purposefully selected to be outside of the 100-year floodplain, with the exception of the GIB/MED POV parking area and the southern portion of the EHMS/FMS organizational parking area. After careful consideration, the proposed locations of the parking areas within the floodplain are preferred. Both locations are the most efficient in terms of NGTC operations and land use and the proposed GIB/MED POV parking area is currently used as a gravel parking lot. On-site storm water management measures, pursuant to all Federal, State, and local regulations, will be implemented. The Proponent conducted a floodplain management analysis, which was issued a Certificate of Compliance, and requested a floodplain waiver, pursuant to Executive Order 11988 - Floodplain Management, to construct said parking areas (Appendix F).

In addition, Sea Girt NGTC is located within the boundaries of the CAFRA zone, throughout which NJDEP requires special permitting for proposed development and redevelopment activities in order to ensure protection of coastal and/or water resources (N.J.S.A, 13:19). The Proponent was issued a CAFRA permit for the RTI project on 19 July 2013 (Permit No. 1344-03-0001.2 CAF 120002). The Proponent was issued a CAFRA permit modification (Modification File No. 1344-03-0001.2 CAF 140002) to include the Proposed Action in the above referenced permit in June 2015. Both the original permit and the associated modification expire on 18 July 2018. Refer to Appendix G for copies of both approvals.

3 Alternatives Considered

Alternatives were developed to respond to the various issues raised during initial scoping, while meeting the purpose and need described in Section 1.0. The remainder of this section presents a discussion of the ways alternatives were formulated, including the Proposed Action. In addition, this section provides a comparison of the alternatives and summarizes the environmental consequences of the alternatives which are described in detail in Section 5.0.

3.1 Alternatives Development

The formulation of alternatives was a process guided by the purpose and need for the project. Alternatives were developed and analyzed to address environmental and socioeconomic issues, to respond to agency and public concerns as identified through project scoping and earlier MILCON related studies of the site, and to satisfy the requirements of NEPA. Federal regulations require an EA to examine alternatives, including a No Action Alternative. The objective of developing and discussing the alternatives is to provide various agency decision-makers and the public with a reasonable range of alternatives for consideration.

The first step to develop alternatives was to identify the primary project components, which include:

- Demolition of existing structures in disrepair as a result of Superstorm Sandy; and
- Construction of technologically adequate mission critical replacement structures (GIB/MED, EHMS/FMS) and supporting facilities (PPB and vehicle parking areas) that support capacity building and operational efficiency.

The second step to develop alternatives was to describe options that meet the project components. The most viable options met the following needs identified in the purpose and need for the project:

- Provide compliance with current National Guard and DoD Force Protection and anti-terrorism guidelines;
- Avoid or minimize impacts to human and environmental health; and
- Comply with applicable local, State, and Federal regulations during construction and operational components of the action(s).

The most viable options were formulated into the project alternatives described herein and compared to the No Action Alternative.

3.1.1 Screening Criteria

Screening criteria were used to analyze the alternatives. Stakeholders considered program requirements, facility needs, existing conditions, space requirements, tenant needs, base realignment and closure (BRAC) proofing, and the ability to support future development and capacity needs. The alternatives were analyzed based on how they would impact the following screening criteria:

- Centralized facilities;
- Floodplains;
- Face of installation;
- Optimize tenant facilities;
- Retention of soccer fields;
- Maximize green space;
- Visibility;
- Infrastructure;
- Land use compatibility;
- Vehicular access (POV);
- Billeting;
- Expansion/flexibility;
- Training;
- Site configuration;
- Simplified circulation;
- Entry progression;
- Traffic flow;
- Parking;
- Functional;
- Provided adequate square footage;
- Accomplished the mission; and
- Campus layout.

An additional criterion included compliance with NG Pamphlet 415-12 (NGB, 30 April 2007), which requires that construction follow all environmental protection features required by Federal, State, and local codes and regulations.

3.2 Evaluated Alternatives

The subject property is constrained considerably by regulatory and functional boundaries. Historic building and cultural resource sensitivity areas, located in the northwestern portion of

the site, require a preserved viewscape spanning almost the entire northern portion of the site (HDR, 2013). The 100-year floodplain constrains the majority of the southern portion of the site (FEMA, 2014). Regulated wetlands, associated transition areas, and endangered and threatened species habitat scatter the eastern portion of the site (AMEC, 2007). In addition, ongoing activities at the NGTC require that several buildings and facilities are maintained and used as active space. As a result, there are limited areas in which building and infrastructure replacement can take place.

Attendees at the Sea Girt NGTC MILCON EA Kick-off Meeting, held at the Sea Girt NGTC on February 20, 2014, unanimously agreed that two potentially viable alternatives should be considered in addition to the Proposed Action. Refer to the EA Kick-off Meeting Minutes in Appendix H. Refer to Section 2.2 for a description of the Proposed Action. The considered alternatives to the Proposed Action include: 1) Alternative 1; and 2) the No Action Alternative. The following sections describe each alternative.

3.2.1 Alternative 1

Alternative 1 involves repairing the existing structures damaged by Superstorm Sandy in their current locations. In some extreme cases, that might mean disassembling an existing building to rebuild in the same footprint. Buildings 36, 59, 64, 64-T, and 65 would be repaired to full functionality to accommodate the needs of the MED, GIB, FMS, and EHMS. Buildings 41 and 55 would have to be built from the ground up because currently these two buildings are mostly demolished. A power plant might still be constructed to provide power to these repaired buildings during times when energy is not available from usual power sources (e.g., natural disasters, national security emergencies, etc.).

Using this design scheme, site services are scattered throughout buildings along the southern waterfront of the site. The highlighted areas in Figure 5 identify the buildings that would be repaired. This alternative would result in status quo operations efficiency and not increase capacity for the NGTC, which does not support the goals of the project or those described in the Master Plan. According to current Pre-FIRM maps (FEMA, 2014), many of the buildings that would require repair are located in the 100-year floodplain. Rebuilding in the floodplain would require considerable engineering, environmental, and liability issues to be resolved.

3.2.2 No Action Alternative

Under the No Action Alternative, no changes to the existing MED, GIB, EHMS, FMS facilities would occur at the NGTC (Figure 6).

A comprehensive condition assessment was performed on the damaged facilities and it was determined that, due to the associated repair costs, facility age, location within a flood plain, loss or damage to facility contents, and current code compliance requirements, these facilities (MED,

GIB, EHMS, FMS) should be replaced. Several of the damaged buildings are in such disrepair that they are currently vacant. The No Action Alternative would leave these vacant and battered buildings in their current condition on the site which would be visually obtrusive, a public safety hazard, and compromising to installation efficiency, morale, and capacity to fulfill its mission.

The No Action Alternative does not address the mission-related need to provide adequate facilities to support NGB readiness requirements for training and mobilization, in addition to failing to meet several other screening criteria described in Section 3.1.1.

3.3 Alternatives Eliminated from Further Consideration

NJARNG has a long history on the subject property, with significant investments directing the continued use of the site. To that end, the NJARNG is currently constructing a new RTI on site with other phases of construction scheduled through 2024. The screening criteria described in Section 3.1.1 require facilities to be centrally located. As such, note that moving the replacement buildings to a location off the subject property is not practical or reasonable.

Alternative 1 would result in pre-Sandy operations efficiency and not increase capacity for the NGTC beyond pre-Sandy conditions. According to current Pre-FIRM maps (FEMA, 2014), many of the buildings that would be repaired through Alternative 1 are located in the 100-year floodplain. Rebuilding in the floodplain would require considerable engineering, environmental, and liability issues to be resolved. The Proponent recognizes that “adaptive reuse of the existing buildings is not feasible due to the lack of funding needed to restore them and bring them into compliance” with local, State, and Federal codes and regulations (AECOM, 2013b). Instead, the Proponent identifies through the Proposed Action a strategy to consolidate and centrally locate buildings to improve unit function and cost-effectiveness over the long-term. As such, Alternative 1 is not feasible or practical and was not selected for further development in this EA.

The No Action Alternative does not address the mission-related need to provide adequate facilities to support NGB readiness requirements for training and mobilization, in addition to failing to meet several other screening criteria identified in Section 3.1.1. However, according to the NEPA Handbook October 2011 edition, the No Action Alternative should be analyzed further, along with the Proposed Action.

4 Affected Environment

This section describes the existing environmental conditions at Sea Girt NGTC to establish baseline conditions that will be used to evaluate anticipated impacts that may result from the Proposed Action and No Action Alternative. The existing baseline conditions were established based on available site-specific reports (refer to Section 1.6 of this EA), desktop database research, and site reconnaissance.

4.1 Location Description

Sea Girt NGTC is a state-owned property located on the northern Atlantic coastline of New Jersey in Monmouth County. It is approximately 171 acres, with beach front property in the eastern portion of the site, located within the political boundaries of the Borough of Sea Girt and partially in the Borough of Manasquan. The site is located at 40.132 N Latitude and 74.034 W Longitude (refer to Figure 1). The site, outlined in the Design Charrette Report and the attached figures, is further defined as Block 106, Lot 1 (Borough of Sea Girt), Block 54, Lots 2 and 2.01 (Borough of Manasquan), and Block 99, Lot 1.01 (Borough of Manasquan).

The installation is bounded on the south by Stockton Lake, the east by the Atlantic Ocean, the west by railroad tracks (New Jersey Transit North Jersey Coast Line), and the north by Sea Girt Avenue. Various residential properties are in close proximity to the existing perimeter fence line to the north and south, and Manasquan Municipal Park exists directly to the southeast. Sea Girt NGTC is the current home of several NJARNG units, serves as the central NJARNG training facility, and is the home of the NJSP Academy.

The installation is primarily maintained open grass areas with scattered mature soft and hardwood trees in the northwest of the site and along the perimeter fence line. The climate of the Sea Girt region is temperate. Average monthly temperatures range from 32 degrees Fahrenheit (°F) in January to 75°F in August, while average annual rainfall is 48.6 inches with August normally being the wettest month (AECOM, 2013a).

4.2 Land Use and Training

Existing land uses at Sea Girt NGTC include Equipment/Vehicle Maintenance/Storage, Administrative/Academic, Training Areas for Field Training and Live Fire Training (Small Arms), Buffer Land, Parade/Athletic Grounds, and Moral Welfare and Recreation Areas. The installation consists of 86 percent improved grounds, 13 percent unimproved grounds, and one (1) percent semi-improved grounds (AECOM, 2013b). Structures on-Post are used for administration, classrooms, food service, barracks, armory, military vehicle maintenance, combat training, storage, and other various support facilities.

The central portion of the site is developed with open lawn areas, maintenance and storage areas, barracks, and billets. The western portion of the site contains structures, mature trees, and the installation access inspection station. Views in and out of the site are limited during leaf bearing months, with the exception of Stockton Lake. The southern portion of NGTC is occupied by multiple one- to two-story wood frame and masonry structures of various ages and styles of construction. A small area of historic housing is located in the northwest section of the installation. Law enforcement tenant agencies also conduct crime scene and accident investigation training throughout the installation.

The eastern portion of the site contains sand dunes and beach. Large coastal dunes and firing range backstops restrict views from NGTC to the Atlantic Ocean and from the beach onto the installation. The beach is used for physical training, water rescue, and ocean survival training, but takes place outside the threatened and endangered species protection areas.

Buffer land is used to separate incompatible land uses and mitigate the impacts on more sensitive land uses (such as surrounding businesses and single-family housing) located outside the fence line. Buffer land at Sea Girt NGTC runs within the entire fence line. Buffer land also is associated with DoD anti-terrorism standard and force protection “perimeter setbacks” (AECOM, 2013b).

Parade Grounds/Athletic Fields are primarily used for ARNG unit and NJSP Cadet Assemblies, Governor’s inspections, ceremonies, physical training, and civilian and military recreational athletics, and croquet tournaments. Seasonally, the grounds (soccer fields) are also used under lease agreements by local schools, communities, and sports leagues for organized sports. NJ State Trooper Youth programs are run for one week three or four times throughout the summer. One week each summer, a National Guard Youth camp is run for approximately 120 children (AECOM, 2013b).

Portions of the installation are set aside specifically for military and civilian recreational use. This includes the Sea Girt NGTC beach, associated beach parking and pavilion type structures, seven camping slots (complete with camper utility hook ups), four small cottages for summer recreational use, and a Morale Welfare and Recreation (MWR) restroom/locker room facility. Approximately 70 acres of the installation is considered open space for these and MWR uses (AECOM, 2013b).

Nearly all of the developable lands in the area surrounding NGTC are currently developed. The installation is bordered by the Atlantic Ocean to the east and Stockton Lake to the south. Both are used for water-dependent recreation. The southeastern boundary contains residences, vacation homes, and a Manasquan Municipal Park consisting of baseball fields and an outdoor

rink. Dense residential development is located directly south of Stockton Lake and along the northern boundary of the installation. The western boundary is lined by dense commercial and residential development as well as a commuter and freight rail line.

The National Guard Pamphlet 210-20 (October 2007), which updates NGR 210-20 (July 2004), lays out the responsibility for conducting real property management planning and requires a Real Property Development Plan (RPDP) that provides for a long-term commitment to sustainable design and development for each Army National Guard installation. Sea Girt NGTC's RPDP for the 2010 Master Plan was finalized on 22 January 2008. The RPDP lists most secondary structures, including the WWII-era buildings, as being in generally poor condition. Many other currently used structures are listed as having utility and other deficiencies. Some roads and primary parking areas on NGTC are not paved or improved. Sea Girt NGTC currently contains a large number of existing substandard buildings constructed of various materials.

4.3 Air Quality

Monmouth County, New Jersey, is under the jurisdiction of the NJDEP and USEPA Air Quality Control Region (AQCR) 43. Under the Clean Air Act (CAA), each AQCR must be in compliance with the National Ambient Air Quality Standards (NAAQS). There are NAAQS for each of the criteria pollutants including carbon monoxide (CO), nitrogen dioxide (NO₂), ozone (O₃), sulfur dioxide (SO₂), particulates less than 10 microns (PM₁₀), particulates less than 2.5 microns (PM_{2.5}), and lead (Pb).

Criteria pollutants are those upon which USEPA has placed the greatest emphasis and has developed health-based concentrations for ambient air. There are primary NAAQS for protection of public health and secondary NAAQS for the protection of public welfare (effects on soils, vegetation, climate, economic value, and personal comfort).

Compliance with the NAAQS is determined through the use of ambient air monitoring stations located throughout the state, including monitors in the vicinity of Sea Girt. Monmouth County and several of the surrounding counties are designated as marginal non-attainment areas for 8-hour O₃. Monmouth County is designated as an attainment area for all other criteria pollutants. Table 4-1 shows both the primary and secondary NAAQS.

Table 4-1 National Ambient Air Quality Standards (NAAQS)

Pollutant	Primary Standards	Averaging Times	Secondary Standards
Carbon Monoxide	9 parts per million (ppm)	8 hour ⁽¹⁾	None
	35 ppm	1 hour ⁽¹⁾	None
Lead	0.15 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)	Rolling Month Average ⁽²⁾	Same as Primary
Nitrogen Dioxide	0.1 ppm	1-hour ⁽³⁾	N/A
	0.053 ppm	Annual (Arithmetic Mean)	Same as Primary
Particulate Matter (PM10)	150 $\mu\text{g}/\text{m}^3$	24-hour ⁽³⁾	N/A
Particulate Matter (PM2.5)	15.0 $\mu\text{g}/\text{m}^3$	Annual ⁽⁴⁾	Same as Primary
	35 $\mu\text{g}/\text{m}^3$	24-hour ⁽³⁾	N/A
Ozone	0.075 ppm	8-hour ⁽⁵⁾	Same as Primary
Sulfur Oxides	0.075 ppm	1-hour ⁽⁶⁾	N/A
	N/A	3-hour ⁽¹⁾	0.5 ppm

Source: USEPA, 2011
N/A – Not applicable
(1) Not to be exceeded more than once per year.
(2) Not to be exceeded.
(3) Not to be exceeded more than once per year on average over 3 years.
(4) Annual arithmetic mean, averaged over 3 years.
(5) Annual fourth-highest daily maximum 8-hour concentration, averaged over 3 years.
(6) 99th percentile of 1-hour daily maximum concentrations, averaged over 3 years.

Sea Girt NGTC maintains a NJDEP general operating permit (Facility 20801, Permit ID: GEN07001) for the operation of the gasoline and diesel fuel dispensing split tanks at Building 59 and heaters at the armory. Monthly records of boiler and fuel dispensing checklists, gas/diesel fuel throughput, and fuel delivery records are on site and at the NJARNG Environmental Management Bureau.

Existing air emission sources consist of: vehicle exhaust emissions; vehicle maintenance, painting, and cleaning; and, fuel-burning heating equipment such as emergency generators, boilers, furnaces, space heaters, and hot water heaters. Other emission sources include parts washers for degreasing operations, welding operations, fuel dispensing, and aerosol paint cans. Table 4-2 shows the annual air emissions at Sea Girt NGTC in 2006 and Table 4-3 shows the *de minimis* levels for non-attainment areas.

Table 4-2 Sea Girt NGTC Air Emissions in tons per year (TPY)

Source Type	NO _x	CO	PM ¹⁰	PM ^{2.5}	VOC	SO ₂
2006 Actual Emissions ⁽¹⁾	1.23	0.92	0.39	0.39	0.20	0.01
Operational Source (Vehicles) ⁽²⁾	12.49	100.12	15.26	2.97	8.48	0.08
Total	13.72	101.04	15.65	3.36	8.68	0.09

VOC – Volatile Organic Compounds
(1) Final Report, Calendar Year 2006 and 2007 Air Emissions Inventory and Air Permit Applicability Assessment at Select NJARNG Facilities
(2) Vehicle exhaust emissions calculated using EMFAC2007 V2.3 (Source: AECOM 2009)

Table 4-3 De Minimis Levels for Non-attainment Areas

Pollutant	Non-Attainment Area Classification	Pollutant to be Controlled	Emission Rate Threshold (TPY)
O3	Moderate non-attainment	NO _x	100
		VOC	50
PM2.5	Non-attainment	PM2.5 Direct	100
		SO ₂	100
		NO _x	100
		VOC	100

Source: 93 CFR 153

Sensitive receptors to air quality/air pollution are generally areas of human habitation or substantial use, often where outdoor activities occur. Residences, schools, churches, and recreation areas are sensitive receptors. No children reside on-Post; however, during the summer there are day camps organized by NJARNG and NJ State Troopers and youth soccer activities. Residences, schools, churches, and recreation areas off-Post are more than 500 feet from where construction/demolition activities would take place.

4.4 Noise and Disturbance

Sensitive noise receptors are, in general, those areas of human habitation or substantial use where the intrusion of noise has the potential to adversely impact the occupancy, use, or enjoyment of the environment (AECOM, 2013a). These can include residences, schools, hospitals, parks, and places of business requiring low levels of noise. At Sea Girt NGTC, the most vulnerable noise receptors to the Proposed Action would be those who are on-Post during implementation. This would include ARNG and NJSP personnel and units temporarily residing on-Post. Visitors to NGTC would also be sensitive noise receptors, including armory enthusiasts visiting the National Guard Militia Museum or children attending day camps or soccer events. Residences

and schools off-Post are more than 500 feet from where construction/demolition activities would take place.

The primary human response to environmental noise is annoyance. The degree of annoyance has been found to correlate well with the day-night average sound level (Ldn). A comparison of Ldn with the percentage of the exposed population that is “highly annoyed” and with the estimated population exposed to Ldn levels greater than 65 decibels provides an estimate of the number of persons “highly annoyed” by aircraft or similar noise. These levels of annoyance are based on long-term exposure. Annoyance for short-term activities, such as construction noise and or new flight patterns, could be influenced by other factors such as land use and attitude toward the activity creating the noise. The Ldn for transportation sources, such as vehicles, represents the average level of noise as measured with an A-weighting (dBA). The Ldn for heavy weapons fire, artillery, and demolition represents the average noise as measured with a C-weighting (dBC) (AECOM, 2013a).

Chapter 14 of Army Regulation (AR) 200-1 implements all Federal laws concerning environmental noise from ARNG activities. Additionally, both New Jersey and municipal noise regulations apply to operations and activities conducted on State-owned lands. The Army employs zone maps to assess the noise generated by military operations (U.S. Army, 2007). There are four classified noise zones as described below:

- **Land Use Planning Zone (LUPZ)** – includes barracks, residential housing, administrative facilities and structures found in the cantonment area. Sensitive receptors such as schools, hospitals, and housing are normally included in this zone.
- **Noise Zone I** – includes all areas around a noise source in which the dBA is less than 65, or the dBC is less than 62. This area is considered “normally acceptable” and usually suitable for all types of land use activities.
- **Noise Zone II** – consists of an area where the Ldn is between 65 and 75 dBA and between 62 and 70 dBC. Exposure to noise within this area is considered significant and use of the land within Noise Zone II should normally be limited to activities such as industrial, manufacturing, transportation, and resource production. This area is considered “normally unacceptable” for residential and other noise-sensitive land uses.
- **Noise Zone III** – consists of an area around the source of the noise where the Ldn is greater than 75 dBA or 70 dBC. The noise level within Noise Zone III is considered “clearly unacceptable” and so severe that noise sensitive activities should not be conducted therein.

Typical noise sources around Sea Girt NGTC include occasional aircraft (rotary wing), surface vehicle traffic, passing commuter and freight rail, firing range operations and other human activities. The major noise contributors at Sea Girt NGTC are from heavy/medium tactical

trucks, High Mobility Multipurpose Wheeled Vehicles (HMMWV), NJSP vehicles, automobile operation within the installation, and firing range operations. Automobile operation is the primary noise source within the boundaries of Sea Girt NGTC; however, the highest sound exposure levels generated by single events are attributed to regular pistol and shotgun firing/range operations from the dune-side small arms ranges. All of Sea Girt NGTC would be consider LUPZ suitable for all types of land use activities. The NJARNG has an existing Operational Noise Management Plan in effect that covers each of its installations statewide and each installation is required to operate in accordance with State and local noise regulations and ordinances.

4.5 Topography, Geology, and Soil

The topography of Sea Girt NGTC is primarily flat, averaging between 10 and 20 feet above sea level, with maximum elevation located in the dunes on the eastern part of the installation. Sea Girt NGTC is located in the Coastal Plain physiographic province. The bedrock below the site is part of the Lower Member Kirkwood Formation. Soils on the site are formed from unconsolidated sediments of the Mesozoic and Cenozoic ages, which generally consist of sand, clay, greensand (glaucinite), and interspaced gravel beds of marine and continental origin. Thin layers of sand, clay, and gravel deposits from the Quaternary age have been deposited over the Coastal Plain sediments by outwash or melt water from a glacier that once covered northern New Jersey (Kleinfelder, 2013).

The following four types of soils are found at Sea Girt NGTC and shown on the United States Department of Agriculture (USDA) Soils Map in Figure 7:

- Downer sandy loam-Urban land complex, 0 to 10 percent slopes. This map unit covers approximately 70 percent of the installation and consists of nearly level and gently sloping, well drained Downer sandy loam and Urban land.
- Udorthents-Urban land complex, 0 to 3 percent slopes. This map unit covers approximately 19 percent of the installation and consists of nearly level and gently sloping soils that have been altered by excavation and filling.
- Hooksan sand, 0 to 5 percent slopes. This map unit covers approximately 10 percent of the installation and consists of nearly level to gently sloping, excessively drained soil on dunes adjacent to coastal beaches.
- Humaquepts, frequently flooded. This map unit covers less than 1 percent of the installation and consists of nearly level, somewhat poorly drained to very poorly drained soils. These soils occur on floodplains along perennial and intermittent streams.

A review of the USDA Natural Resource Conservation Service (<http://websoilsurvey.nrcs.usda.gov>) website indicates that there are “Prime Farmland” soils series located at Sea Girt

NGTC. The Downer soils series is considered prime farmland soil which occupies approximately 70 acres of Sea Girt NGTC. However, this area of Sea Girt NGTC has been in active military use for training activities since it was purchased from Commodore Robert Stockton (by the State of New Jersey) in 1887; therefore, the classification as Prime Farmland does not apply to Sea Girt NGTC. There are no known mining or mineral rights to the property.

4.6 Water Resources

Sea Girt NGTC is located within the boundaries of the CAFRA zone, throughout which NJDEP requires special permitting for proposed development and redevelopment activities in order to ensure protection of coastal and/or water resources (N.J.S.A, 13:19). The Proponent was issued a NJDEP CAFRA permit for the RTI project on 19 July 2013 (Permit No. 1344-03-0001.2 CAF 120002). The Proponent was issued a NJDEP CAFRA permit modification (Modification File No. 1344-03-0001.2 CAF 140002) to include the Proposed Action in the above referenced RTI permit, in June 2015. Both the original permit and the associated modification expire on 18 July 2018. Refer to Appendix G for copies of both approvals and Section 5.6 and 5.13 for a summary of the permit conditions and best management practices.

4.6.1 Surface Water

Sea Girt NGTC contains no fresh or surface water bodies within its formal boundaries. The installation is located in the Manasquan River Basin near its outflow to the Atlantic Ocean. The Atlantic Ocean is located adjacent to the eastern boundary of the site, and Watson Creek and Stockton Lake are located adjacent to the southern boundary (Figure 1). Stockton Lake is subject to tidal flow. The Sea Girt NGTC is separated from Stockton Lake by a wooden bulkhead along the majority of the southern boundary of the site. Watson Creek is classified as FW2-NT/SE1 (freshwater, non-trout waters/saline waters of estuaries) by the New Jersey Water Quality Standards. Watson Creek and Stockton Lake are not classified as Category 1 waters (NJ-GeoWeb, 2014a). Stockton Lake is considered a Special Restricted Shellfish Growing Water, as indicated by the NJDEP Bureau of Marine Water Monitoring Shellfish Classification Map. "Special Restricted" means the shellfish can only be harvested under a NJDEP permit and must be further purified or processed prior to being sold.

Sources of nonpoint source pollution are not well documented specifically on the site, but through inference it is likely that many common sources are located on site, including maintenance of the existing lawn area, leaking vehicular fluids, animal feces from the lawn area, litter, and uncontained sediment. Point sources of pollution are more easily defined since there is a specific discharge point for this type of pollution. Drainage pipes described in Section 4.6.2 below might be considered a point source; however, the discharge is a collection of nonpoint sources on-site.

4.6.2 Storm Water and Associated Wetlands/Watercourses

Topography at the facility is relatively flat with little elevation change. Impervious areas consist of paved parking areas and buildings. The remainder of the facility consists of open space such as open grassy fields, vegetated wetland areas, and dune areas. Refer to Figure 8 for the USFWS National Wetland Inventory Map of the site and Figure 9 for the NJDEP Freshwater Wetlands Map of the site. Impervious areas are served by a system of catch basins and drain lines, the majority of which drain to Stockton Lake, with the exception of five catch basins lines along Governor Wilson Drive which collect drainage from Sea Girt NGTC and drain to Sea Girt Avenue and the municipal storm water collection system. A previous assessment of the existing storm water infrastructure system indicates that the system was first constructed prior to 1935 (Jacobs, 2010). No significant issues were identified with the system; however, occasional flooding of the system, partial or total siltation of some drainage pipes, presence of undersized pipes in some areas, and reverse pitch in drainage pipes were identified as items of concern.

Pervious areas such as grassy fields and dunes drain generally by overland flow to Stockton Lake, the Atlantic Ocean, or a small wetland area in the southeastern portion of the facility. The results of a wetland delineation conducted for the Sea Girt NGTC confirmed the presence of a tidal waterway and associated tidal and non-tidal wetlands along the southern site boundary, coincident with the northern shoreline of Stockton Lake. This wetlands area contains a ditch that is periodically maintained by NGTC staff under a NJDEP General Permit. The eastern site boundary is beachfront and this tidal open water is coincident with the high tide line. An isolated emergent wetland is also located on the southeast portion of the site. A freshwater wetlands transition area is associated with the freshwater wetlands feature. The width of the transition areas is determined by the resource value classification of the wetland, which is determined by the NJDEP. A Freshwater Wetlands Letter of Interpretation (LOI) was issued by the NJDEP, in 2012, which formally verified the wetland boundary and determined the resource value classification of the freshwater wetlands feature to be intermediate (50-foot transition area).

4.6.3 Floodplain Areas for 100- and 500-Year Floods

Based on a review of FEMA Pre-FIRMs for Monmouth County (Map Panels 34025C0343G and 34025C0456G), which is currently the best available flood hazard data for the subject property, the site is located within the 100-year and 500-year floodplain as depicted in Figure 10 (FEMA, 2014). The 100-year floodplain boundary is located approximately 400-800 feet north of the edge of Stockton Lake and approximately 2,000 feet west of the Atlantic Ocean. A 100-year flood event would inundate up to 14 feet above mean sea level elevation in the eastern portion of the site, 10 feet above mean sea level elevation in the southern portion of the site, and nine (9) feet above mean sea level elevation throughout the southern and eastern portions of the site. The

seaward side of the dune is also subject to wave action from the Atlantic Ocean during such an event. The 500-year flood boundary is located further inland from Stockton Lake and the Atlantic Ocean and contains approximately 60 percent of the facility area. A portion of the site, including existing buildings, is located within the 100-year and 500-year flood boundaries.

4.6.4 Tidelands

Tidelands, also referred to as riparian lands, are lands that are currently and formerly flowed by the mean high tide of a natural waterway. The State of New Jersey claims ownership of these tidelands and holds them in trust for the people of the state. Some tidelands may be sold in the form of a Riparian Grant while others may only be rented through either a Tidelands License or Lease. There are tidelands on the site, but the Proposed Action does not include land that can be claimed as a tideland. Refer to Figure 11 for Tidelands claims on the site, according to the NJDEP Bureau of Tidelands Management.

4.6.5 Groundwater

According to a review of New Jersey Geographic Information System data, via NJ-GeoWeb (NJDEP, 2014a), the site and surrounding area is underlain by the Kirkwood-Cohansey bedrock aquifer system. Groundwater is not used for drinking water purposes at the installation; however, groundwater is used for landscape irrigation. Two (2) operating irrigation wells are located along the northern perimeter of the site. The wells are reportedly utilized to irrigate the croquet field in the northern portion of the site. Three (3) public community drinking water wells are located approximately 1,600 feet north of the installation. Groundwater depth typically ranges from approximately four (4) to 10 feet below ground surface and is likely subject to tidal influence (Kleinfelder, 2013).

The USEPA is currently conducting a remedial investigation at the White Swan Laundry and Cleaners (EPA ID: NJSFN0204241- 1322 Sea Girt Ave). Groundwater samples are occasionally collected at NGTC using the on-Post monitoring wells. Two (2) groundwater monitoring wells are located near the west end of the Post for investigation of a potential petroleum release from a former hydraulically upgradient off-Post gas station. Shallow overburden groundwater at the Sea Girt NGTC is impacted by concentrations of volatile organic compounds (VOCs) which have migrated to the installation from two (2) hydraulically upgradient former dry cleaning facilities approximately one-point-one-five (1.15) to one-point-four (1.4) miles west of NGTC. The VOC-impacted groundwater plumes are known to be migrating east toward the Atlantic Ocean, and contain perchloroethylene (PCE), trichloroethylene (TCE), and *cis*-1,2-dichloroethylene (*cis*-1,2-DCE) in a plume approximately one mile wide by two-point-five (2.5) miles long (USEPA 2009). Groundwater in the vicinity of the range is reportedly located at approximately four (4) feet below grade surface.

4.7 Biological Resources

4.7.1 Vegetation

Vegetative communities occupy 92 percent of Sea Girt NGTC (NJANG, 2006b). However, the NGTC is a relatively developed site and maintained grass/open fields make up a majority of the installation. These fields are used as parade grounds and rented for seasonal athletic activities by the surrounding municipalities. Natural communities are primarily limited to beach and dune habitats. Other communities include coastal dune grassland, coastal dune shrub-land, successional dune, hedgerow, palustrine wetland, and intertidal unconsolidated shore. A small estuarine salt marsh is located adjacent to the property to the south.

One Federally-listed and one State-listed plant species have been documented on site, as depicted on the Flora Special Species map in Figure 12 (AECOM, 2009). These species are confined to the beach and dune areas of the installation. Federally threatened sea beach amaranth (*Amaranthus pumilus*) was first documented on the site by the USFWS in 2001. No critical habitat has been designated for this species under the Endangered Species Act (ESA). State endangered sea beach knotweed (*Polygonum glaucum*) was first documented on the site in 2003 (NJARNG, 2006b).

Two (2) palustrine wetland communities occur within the boundaries of NGTC: one (1) deciduous scrub/shrub wetland and one (1) managed shrub wetland, as depicted on the Wetlands Map in Figures 8 and 9. These wetlands, delineated by Amy S. Greene Environmental Consultants, Inc. (ASGEC), are jurisdictional per the LOI described in Section 4.6.2. The small area classified as deciduous scrub/shrub wetland is located at the southwest corner of the installation. This wetland occupies zero-point-seven (0.7) acres. Dominant species include box elder (*Acer negundo*), red maple (*Acer rubrum*), black gum (*Nyssa sylvatica*), black cherry (*Prunus serotina*), tree of heaven (*Ailanthus altissima*), northern arrowwood (*Viburnum recognitum*), and phragmites (*Phragmites australis*). The other on-site wetland area (managed shrub) is located in the southeast corner of the parade grounds and occupies one-point-four (1.4) acres. Historically, this wetland was mowed along with the surrounding parade grounds. The area has since become naturally vegetated by various wetland sedges and shrubs and has been designated a protected natural resources area by the Installation Commander. The boundary of the wetland is marked by fencing and signs. Species found in this wetland include common rush (*Juncus effusus*), Canadian rush (*Juncus canadensis*), three square (*Scirpus americanus*), foxtail sedge (*Carex vulpinoidea*), phragmites, sea myrtle (*Baccharus halimifolia*), and bayberry (*Myrica cerifera*). The wetland is seasonally flooded and has areas of exposed mud.

4.7.2 Aquatic Resources and Fish

There are no fish or aquatic resources within the Sea Girt NGTC boundaries. However, the Atlantic Ocean is adjacent to the eastern boundary, and Watson Creek and Stockton Lake are adjacent to the southern boundary. Stockton Lake is considered a Special Restricted Shellfish Growing Water, as indicated by the NJDEP Bureau of Marine Water Monitoring Shellfish Classification Map. "Special Restricted" means the shellfish can only be harvested by an NJDEP permittee and must be further purified or processed prior to being sold.

There are no known occurrences of Federal- or State-listed aquatic threatened or endangered species or critical habitats on the Sea Girt NGTC (NJDEP 2014a, USFWS 2012, and NOAA 2011).

4.7.3 Wildlife and Habitat

Sea Girt NGTC and its adjacent areas currently offer a wide variety of habitat for wildlife beyond those species that are highly tolerant of developed conditions and areas of active human activities. Because Sea Girt NGTC is near coastal waters, it falls within the CAFRA zone; therefore, the Proposed Action is subject to CAFRA law regulations and NJARNG would be required to follow the New Jersey Coastal Management Program (NJCMP) to protect coastal resources and ecosystems. A description of special status species and habitat found at or around Sea Girt NGTC follows below. Critical habitats are located on the easternmost portion of the site, associated with the dunes and beach, as depicted in the Fauna Special Species map in Figure 13 (AECOM, 2009).

The various habitats are identified in the NJARNG Integrated Natural Resources Management Plan (INRMP) and are listed in the following section (NJARNG, 2006b).

Sand Dunes: Sand dunes occupy approximately eight (8) acres in the eastern part of the installation, between the small arms ranges and the beach. The dunes reach a maximum elevation of approximately 20 feet above grade surface. The seaward side of the dunes has been reinforced with a concrete seawall, portions of which are exposed or partially covered with sand. The small arms range backstops are located adjacent to the landward side of the dunes. Although the dunes have been disturbed over the years, they provide several important functions including range safety, flood protection, wildlife habitat, and visual/noise barrier. The dunes at the installation represent the only remaining dunes in the immediate vicinity. The historic dune zone in the vicinity of Sea Girt NGTC has been completely developed with residences or vacation homes. The dunes at the installation have been classified into three (3) ecological communities: coastal dune grass community, coastal dune shrubland, and successional/disturbed dune. The first two communities are comprised of relatively natural vegetation, while the latter

is highly disturbed and dominated by invasive plants. The dominant species in the coastal dune community is American beach grass (*Ammophila breviligulata*). The dominant species in the coastal dune shrubland are bayberry (*Myrica cerifera*), rugosa rose (*Rosa rugosa*), poison ivy (*Toxicodendron radicans*), and seaside golden rod (*Solidago sempervirens*). Dominant species in the successional dune are poison ivy, Japanese knotweed (*Polygonum cuspidatum*), and common reed (*Phragmites australis*).

Hedgerow: Along Sea Girt Avenue, a strip of trees and shrubs approximately 10 feet wide includes species such as red cedar (*Juniperus virginiana*), sycamore (*Platanus occidentalis*), Japanese black pine (*Pinus thunbergiana*), black and choke cherry (*Prunus serotina* and *P. virginiana*), and bayberry. The exotic, invasive species Russian olive (*Elaeagnus angustifolia*) also thrives along the northern installation boundary. This community provides a visual barrier between the training center and the residences to the north.

Mowed Grass/Landscaped Areas: Areas characterized by mowed grass and landscaping occupy 110.8 acres, which is 65 percent of Sea Girt NGTC. A majority of the upland areas are occupied by the parade grounds, which are frequently mowed and consist mainly of grasses, such as red fescue (*Festuca rubra*). Other abundant species include sheep sorrel (*Rumex acetosella*), English plantain (*Plantago lanceolata*), dwarf cinquefoil (*Potentilla canadensis*), common strawberry (*Fragaria virginiana*), and common dandelion (*Taraxacum officinale*). Mature landscape trees include sycamore, Norway spruce (*Picea abies*), eastern white pine (*Pinus strobus*), Norway maple (*Acer platanoides*), silver maple (*Acer saccharinum*), and pin oak (*Quercus palustris*). This community also dominates the land surrounding buildings on the western section of Sea Girt NGTC.

Bare Ground: Unpaved roads, paths, gravel parking areas, and other areas with exposed soils comprise six-point-seven (6.7) acres of the installation. These non-vegetated areas are composed of sandy soil and gravel.

Roads and Buildings: Although not technically an ecological community, the 29.1 acres of roads and buildings at Sea Girt NGTC make up 17 percent of the installation and are, therefore, classified as a community type. A network of paved and unpaved roads collectively occupies a significant portion of the installation. The majority of these roads are concentrated on the western and southern portion of the installation.

Palustrine Wetlands: A palustrine system consists of non-tidal wetlands, swamps, peatlands, and marshes. Emergent vegetation, shrubs, or trees characterize palustrine habitats. Two (2) palustrine communities occur at the installation: deciduous scrub/shrub wetland and managed shrub wetland.

Marine System: The marine system consists of the open ocean overlying the continental shelf and its associated high-energy coastline. Marine habitats are exposed to the waves and currents of the open ocean and have salinities exceeding 30 parts per thousand (ppt), with minimal or no freshwater dilution. One ecological community in the marine system is present at Sea Girt NGTC and is described below. The Atlantic Ocean is located along the eastern property boundary but is not part of Sea Girt NGTC property.

Intertidal Unconsolidated Shore: This community occupies approximately 12.1 acres of Sea Girt NGTC, along the eastern boundary. This includes the sand and vegetative communities forming on the sandy beach area from mean low water to the extreme high water of spring tides. Although vegetation of this community at Sea Girt NGTC is sparse or non-existent due to heavy wave action and wind erosion, the upper beach in similar communities may include sea-rocket (*Cakile edentula*), sea-chickweed (*Arenaria peploides*), prickly saltwort (*Salsola kali*), seaside spurge (*Euphorbia polygonifolia*), sandbur (*Cenchrus tribuloides*), sea-purslane (*Sesuvium maritimum*), and occasionally American beach grass (*Ammophila breviligulata*). Since 2001, individual sea beach amaranth plants, which are Federally-listed as threatened, have been documented by the USFWS along the Sea NGTC shore.

Estuarine System: The estuarine system consists of deep water tidal habitats and adjacent tidal wetlands. Typically, these tidal wetlands are partially enclosed by land, so that they have regular or sporadic access to ocean water. Freshwater runoff from the land dilutes the ocean water at least occasionally. This system extends from upstream habitats where salinity measures less than zero-point-five (0.5) ppt to the invisible boundary at the mouth of a river, bay, or sound, including wetland emergent features in seaward areas. No estuarine communities are located within the installation boundaries. However, a salt marsh community is found adjacent the installation, to the south.

Salt Marsh: A salt marsh community occurs along the fringes of Stockton Lake south of the installation boundaries. Predominantly vegetated by salt marsh cordgrass (*Spartina patens* and *S. alterniflora*) and Phragmites (*Phragmites australis*), the salt marsh and its associated tidal mud flats provide habitat and feeding grounds for various shore birds.

Table 4-4 presents a listing of Federal and State special status wildlife species observed at Sea Girt NGTC during rare species surveys conducted by ASGEC from 2007 to 2010. Current species status was found on the NJDEP website's species of concern list (NJDEP, 2014b) and endangered and/or threatened species list (NJDEP, 2014c). Site specific data were also obtained via online geographic information system databases (NJDEP, 2014a, NJDEP, 2014d).

Species of particular note include endangered beach nesting birds (e.g. least tern and piping plover) known to utilize the beach front and fore-dune area, which are further described below.

Also, ospreys have used a cellular tower on the NGTC adjacent to Stockton Lake as a nest platform.

There are several occurrences of State and Federal special status wildlife species on or immediately adjacent to Sea Girt NGTC as shown on the Fauna – Special Species map (AECOM, 2009). The Migratory Bird Treaty Act (MBTA) of 1918 makes it unlawful to pursue, hunt, capture, take, kill, or sell birds listed as “migratory” species. Several species that are protected by the MBTA occur/pass through Sea Girt NGTC during migratory periods. The following descriptions come from NJDEP, NJARNG documents, ASGEC Rare Species Services Monitoring Reports (2008), the Conserve Wildlife Foundation of New Jersey website (<http://www.conservewildlifenj.org/species/fieldguide/>), and unpublished data from avian studies conducted by the United States Army Corps of Engineers at the Sea Girt NGTC (AECOM, 2013a).

Table 4-4 Endangered and Threatened Species Documented at Sea Girt NGTC

Common Name (Scientific Name)	Status	Location & Activity	Year Observed
Piping Plover (<i>Charadrius melodus</i>)	FT, SE	Nesting and foraging in northern protection area	2007-2010
Roseate Tern (<i>Sterna dougalii</i>)	FE	Foraging near NGTC beach	2007
Bald Eagle (<i>Haliaeetus leucocephalus</i>)	SE-breeding; ST-nonbreeding	Flying over SBA; By Wreck Pond and the Wreck Pond Watershed Association	2009-2010
Peregrine Falcon (<i>Falco peregrines</i>)	SE-breeding	Flying over NGTC beach and NPA; Foraging over Wreck Pond	2008-2010
Northern Harrier (<i>Circus cyaneus</i>)	SE-breeding	Flying over NGTC; Foraging in secondary dunes and SBA	2007-2010
Short-Eared Owl (<i>Asio flammeus</i>)	SE-breeding	Resting in and flying over NPA	2010
Least Tern (<i>Sternula antillarum</i>)	SE	Resting in the NPA and SPA; Foraging over Stockton Lake; Passing over NGTC	2007-2010
American Kestrel (<i>Falco sparverius</i>)	ST	Foraging in fields and dunes	2010
Osprey (<i>Pandio haliaetus</i>)	ST-breeding	Nesting on the cellular tower west of Project area; Foraging in Stockton Lake, NPA, and SPA; By Wreck Pond Watershed	2007-2010

Common Name (Scientific Name)	Status	Location & Activity	Year Observed
Yellow-Crowned Night Heron (<i>Nyctanassa violacea</i>)	ST-breeding	Foraging in Stockton Lake	2009
Horned Lark (<i>Eremophila alpestris</i>)	ST-breeding	Foraging and resting in fields west of secondary dune	2009-2010
Cooper's Hawk (<i>Accipiter cooperii</i>)	ST	Flying and foraging over SBA and fields;	2007; 2009-2010
American Oystercatcher (<i>Haematopus palliatus</i>)	SC	Flying over NGTC beach, NPA, Stockton Lake, and fields;	2009-2010
Common Tern (<i>Sterna hirundo</i>)	SC-breeding	Flying over NGTC beach and Stockton Lake (no breeding on-site)	2009-2010
Snowy Egret (<i>Egretta thula</i>)	SC-breeding	Foraging at Stockton Lake	2009
Spotted Sandpiper (<i>Actitis macularius/macularia</i>)	SC-breeding	Foraging at Stockton Lake	2009
Semipalmated Sandpiper (<i>Calidris pusilla</i>)	SC-nonbreeding	Foraging at NGTC beach	2009
Sanderling (<i>Calidris alba/Crocethia alba</i>)	SC-nonbreeding	Foraging at NGTC beach	2009-2010
Fowler's Toad (<i>Bufo fowleri</i>)	SC	SPA, parking lot by secondary dune	2007; 2010
Sources: Rare Species Monitoring Services Report (ASGEC 2008); Unpublished data from avian studies (USACE 2009,2010 [unpublished]) FT – Federally Threatened FE – Federally Endangered SE – State Endangered ST – State Threatened SC – State Species of Special Concern NPA – North Protected Area SPA – South Protected Area SBA – Southern Beach Area			

Threatened and Endangered Species Documented at the Sea Girt NGTC

Piping Plover (Federally Threatened, State Endangered)

Piping plovers nest above the high tide line on sandy ocean beaches and barrier islands within gently sloping fore dunes, blowout areas behind primary dunes, wash over areas cut into or between dunes, the ends of sandpits, and deposits of suitable dredged or pumped sand. Plovers are sometimes seen at NGTC during nesting season which lasts from March 15 through August 31. Piping plovers often nest in the vicinity of least tern colonies, benefiting from the terns' aggressive predator defenses. Piping plover nests consist of a shallow scrape in the sand, frequently lined with shell fragments and often located near clumps of vegetation. Feeding areas include intertidal zones of ocean beaches, ocean wash over areas, mudflats, sand flats, wrack lines (organic ocean material left by high tide), and the shorelines of coastal ponds, lagoons, and salt marshes (NJARNG, 2006b). Threats to piping plover populations include disturbance to their nests and predation.

A history of piping plover foraging and occasional nesting attempts has been documented on site at the Sea Girt NGTC. In both 2002 and 2007, a pair of piping plovers nested. However, in 2002 the pair's nest of four (4) eggs never hatched, and in 2007, a single chick hatched but did not survive to fledge (NJARNG, 2006b). In 2009, a lone chick was documented in the area of the NGTC beach. Piping Plovers are currently monitored annually by contractors hired by the NJARNG, the NJDEP, the USFWS, and a local volunteer environmental monitoring group in the Sea Girt NGTC beach area.

Roseate Tern (Federally Endangered)

The roseate tern is a medium-sized marine bird that is similar in appearance to common terns and Forster's terns, both of which are common in New Jersey. They are coastal species that nest on barrier islands and salt marshes above the high tide line, often within vegetated dunes. They may nest in open areas if they are displaced from optimal sites with more vegetative cover by gulls. They forage over shallow coastal waters, inlets, and offshore seas. One (1) was seen in 2007 foraging in the NGTC beach.

No nests have been observed at NGTC. Threats to this species include habitat loss and disturbance to beach-nesting birds.

Bald Eagle (State Endangered, breeding population only; State Threatened, non-breeding population)

Adult bald eagles have a seven (7) to eight (8) foot wingspan, full white heads and tails, and a dark brown body. Their habitat consists of forest areas that are associated with water bodies, as their diet consists primarily of fish. They typically nest in high canopy trees and have one (1) to three (3) eggs per breeding season. Currently there are more than 100 nesting pairs of eagles in New Jersey, which is an improvement from only one (1) nesting pair in 1973. Home ranges can be anywhere from 1,700 to 10,000 acres, depending on prey availability and abundance. Multiple juveniles were seen in 2009 and 2010 flying over the southern beach area (SBA) at NGTC and over Wreck Pond, which is approximately one (1) mile north of Sea Girt NGTC. No nests have been observed at NGTC. Bald Eagles are sensitive to environmental contaminants, habitat loss, and human disturbance.

Peregrine Falcon (State Endangered, breeding population only)

Peregrine falcons are the largest falcons in New Jersey and the fastest bird in the world. They have long pointed wings, a blue-gray back, and a light-colored breast. Their diet consists mainly of medium-sized birds that they catch in flight. In New Jersey, peregrine falcons nest along the Atlantic coast, often on man-made structures as well as along cliff sides. Multiple individuals have been seen flying over the NGTC beach and north protected area (NPA) and foraging in Wreck Pond. No nests have been observed at NGTC. Environmental contaminants are a major threat to this species.

Northern Harrier (State Endangered, breeding population only)

Northern harriers are medium to large-sized raptors with an owl-like facial disk and a white rump patch. They inhabit tidal marshes, emergent wetlands, fallow fields, grasslands, meadows, airports, and agricultural areas, and nests often occur in brackish or saline marshes. Harriers often nest in drier areas of high marsh, in freshwater tidal marshes that contain *Phragmites* or other emergent wetland plants, or in tall grasses of low-intensity agricultural fields. Foraging occurs within marshes as well as along upland edges or fields. Northern harriers have been observed flying over NGTC and foraging in secondary dunes. The main threat to northern harriers is habitat loss.

Short-Eared Owl (State Endangered, breeding population only)

The short-eared owl is a medium-sized owl that inhabits coastal tidal and brackish marshes, inland fields, pastures, and grasslands. Within coastal marshes, they often roost, forage, or nest in the drier portions of the marsh; they also roost, forage, or nest in inland, undisturbed open

areas. They prey on small mammals and birds as well as large insects. An individual was seen resting and flying over the NPA dunes at NGTC in 2010. No nests have been observed at Sea Girt NGTC. Major threats to this species include habitat loss and human disturbance.

Least Tern (State Endangered)

Present on New Jersey beaches from early May through early September, least terns nest in colonies on sandy beaches above the high tide line and occasionally on sandy fill on bay islands. The birds lay one (1) to three (3) eggs in a nest scraped in the sand. Eggs hatch after about 21 days. Adult birds feed a diet of fish to the chicks, which remain in the colony for two (2) to three (3) weeks, until they fledge, usually between mid-July and mid-August. All adults in the colony participate in defending eggs and chicks against predators and human disturbance. Threats to the least tern include habitat loss, human disturbance of nesting birds, predation, flooding, oil spills, and other contaminants (NJARNG, 2006b).

Least terns have nested on the beach at Sea Girt NGTC. Nesting success has fluctuated year to year. However, overall success remains relatively low for the site. Specific causes of the least tern population and nesting success fluctuations are unknown. Several factors could be contributing to the observed fluctuations, including changes in habitat suitability due to beach erosion or other influences and disturbance by predators (NJARNG, 2006b). Least terns are currently monitored annually by contractors hired by the NJARNG, the NJDEP, and a local volunteer environmental monitoring group in the Sea Girt NGTC beach area.

American Kestrel (State Threatened)

The American kestrel is the smallest falcon in North America. The main habitat of kestrels is open grasslands, particularly those that have cavities for nesting and perches for spotting prey from. Their diet consists of mainly insects and other small prey. Clutches on average consist of four (4) to five (5) eggs, and young generally fledge after 28 to 31 days. In 2010 a female was observed perched on a guywire of the nanometer tower near the fields and dunes of Sea Girt NGTC and foraging for prey. No nests have been observed at Sea Girt NGTC. Reasons for recent American kestrel declines are unknown, though habitat loss is speculated.

Osprey (State Threatened, breeding population only)

The osprey is a large raptor with a wingspan of four-point-five (4.5) to six (6) feet. As a fish-eating species, the osprey is strictly associated with bodies of water that support adequate fish populations. Consequently, ospreys inhabit coastal rivers, marshes, bays, and inlets, as well as inland rivers, lakes, and reservoirs. Ospreys nest on live or dead trees, man-made nesting platforms, light poles, channel markers, abandoned duck blinds, or other artificial structures that are in proximity to fishing areas and offer an unobstructed view of the surrounding landscape.

Territories typically contain poles, snags, or structures near the nest on which the ospreys perch. Ospreys generally return to New Jersey in late March and take up nesting in April through June (NJARNG, 2006b). Ospreys are currently monitored annually by contractors hired by the NJARNG, the NJDEP, and a local volunteer environmental monitoring group in the Sea Girt NGTC beach area. Ospreys are sensitive to environmental contaminants and habitat loss.

A pair of ospreys has been nesting on site in a cellular tower since 2004. In 2008 an artificial platform was installed in the vicinity of the tower to encourage nesting on this platform rather than the cellular tower, which occasionally needs maintenance by the cellular tower owner, causing a disturbance to the nesting pair. No known nesting activities have occurred on the platform.

Yellow-Crowned Night Heron (State Threatened, breeding population only)

The yellow-crowned night heron is a medium-sized bird that often forages along shores of tidal creeks and tide pools within salt marshes as well as mud flats. They often nest on barrier islands, dredge spoil islands, and bay islands that have forested wetlands or scrub/shrub thickets. They often roost and nest in colonies in areas with open understory and dense vegetation cover (including residential neighborhoods and parks). In 2009 an individual was seen foraging on the south edge of Stockton Lake. No nests were observed at Sea Girt NGTC. Habitat destruction is a major threat to this species.

Horned Lark (State Threatened, breeding population only)

Horned larks are small songbirds that occur throughout North America. They prefer open habitats with minimal thick vegetation. They forage for seeds and insects. Nests can be found in small depressions on the bare ground adjacent to bunch grasses or other plants. They can have up to three (3) broods within a breeding season, each consisting of two (2) to five (5) eggs. Horned larks have been observed foraging and resting in the fields north of the secondary dunes at Sea Girt NGTC. No nests have been observed at Sea Girt NGTC. Habitat loss and agricultural development have had impacts to this species.

Cooper's Hawk (State Threatened)

Cooper's hawks are medium-sized, forest-nesting accipiters with short, rounded wings and a long, narrow tail. They occur year-round in New Jersey, often nesting 25 to 50 feet high in deciduous, coniferous, riparian areas, or wetland forests. Pairs often mate for life and raise one (1) brood per breeding season. They forage among various forest types and woodland edges, their prey consisting of small to mid-sized birds. No nests have been observed at Sea Girt NGTC. Habitat loss and upland forest fragmentation are the primary threats to this species.

American Oystercatcher (Species of Special Concern)

The American oystercatcher is a large shorebird found in salt marshes and coastal zones that support intertidal shellfish beds. Nesting habitat consists of barrier beaches, sand bars, shell rakes, and salt marsh islands, and these birds often roost in flocks at the edges of marshes and sand flats. American oystercatchers have been observed flying over the Sea Girt NGTC beach, NPA, Stockton Lake, and the fields. No nests have been observed at Sea Girt NGTC. Major threats to this species include habitat loss and human disturbance.

Common Tern (Species of Special Concern, breeding population only)

Common terns are medium-sized terns found throughout North America. They nest in colonies commonly on islands, barrier beaches, and salt marshes. Nests are made on sand, shell, cobble or gravel with sparse vegetation. Their diet consists of small fish, crustaceans and insects. They have been observed flying over Sea Girt NGTC beach and Stockton Lake, but breeding does not occur at Sea Girt NGTC. No nests have been observed at Sea Girt NGTC. Impacts to common tern populations have been from environmental contaminants and increasing gull populations out-competing them at their breeding sites.

Snowy Egret (Species of Special Concern, breeding population only)

The snowy egret is a wading bird that feeds on fish, aquatic invertebrates, and small reptiles along water edges. They usually occur in New Jersey only during the breeding season (April through August). They nest in mixed colonies, often with other heron and egret species, in trees near fresh or salt water. Preferred habitat includes wetlands and forest bordering water bodies. In 2009 a snowy egret was observed foraging at Lake Stockton. No nests have been observed at Sea Girt NGTC. Main threats to this species include habitat loss and degradation as well as human disturbance.

Spotted Sandpiper (Species of Special Concern, breeding population only)

The spotted sandpiper is a medium-sized shorebird that prefers marshes, lakes, and rivers, though they also occur along beaches and sea coasts. They nest along the shoreline in patches of dense vegetation. Their diet consists mainly of aquatic invertebrates and insects. Individuals were seen foraging in the mudflats of Lake Stockton in 2009. No nests have been observed at Sea Girt NGTC. Common threats to this species include development, loss of wetland habitat, and decreased water quality.

Semipalmated Sandpiper (Species of Special Concern, nonbreeding population only)

The semipalmated sandpiper is a small shorebird that stops in New Jersey's coastal beaches and bay shores during the horseshoe crab breeding season (late May) on their migration from their wintering grounds in South America to their breeding grounds in the Arctic. In 2009 an individual was seen on the Sea Girt NGTC beach. No nests have been observed at Sea Girt NGTC. In New Jersey, overfishing of horseshoe crabs may be affecting this population.

Sanderling (Species of Special Concern, nonbreeding population only)

The sanderling is a small shorebird that passes through New Jersey during their migration from their wintering grounds along coastlines in the southern US and South America to their breeding grounds in the tundra of the Canadian Arctic. They stop in New Jersey to forage for small aquatic invertebrates along the coast and sometimes in mudflats of lakes and rivers. In 2009 sanderlings were observed foraging along the water's edge at the Sea Girt NGTC beach. No nests have been observed at Sea Girt NGTC. Causes for population declines are unknown.

Fowler's Toad (Species of Special Concern)

The Fowler's toad is a mid-sized toad that has earth-toned coloration. They prefer open woodlands, sandy prairies, meadows, and beaches. For protection from extreme weather conditions such as extreme hot or dry periods, they burrow underground. Fowler's toads were observed in the SBA and in the parking lot behind the secondary dunes, and they likely occur in the primary and secondary dune areas.

During the late winter and spring the on-site freshwater wetland often retains one (1) foot or more of standing water, which is optimal breeding habitat for this species. The main threat to the Fowler's toad is habitat destruction, particularly breeding habitat.

4.8 Cultural Resources

For the purposes of this section, cultural resources include:

- Historic properties as defined in the National Historic Preservation Act (NHPA);
- Cultural items as defined in the Native American Graves Protection and Repatriation Act;
- Archaeological resources as defined in the Archaeological Resources Protection Act;
- Sacred sites as defined in Executive Order (EO) 13007 to which access is provided under the American Indian Religious Freedom Act; and
- Collections as defined in 36 CFR 79 Curation of Federally Owned and Administered Collections.

Requirements set forth in various Federal and New Jersey State acts, regulations, and EOs define the ARNG's responsibilities for management of cultural resources. Regulations applicable to the ARNG's management of cultural resources include those created by the Advisory Council on Historic Preservation (ACHP) and the National Park Service that requires Federal agencies to consider the effects of a Proposed Action on historic properties. Additionally, DoD 4710.02, DoD Interactions with Federally-Recognized Native American Tribes (14 September 2006), requires consultation with Federally-Recognized Native American tribes when a proposed action may potentially impact tribal resources, rights, or lands. Such actions include, but are not limited to, land-disturbing activities, construction, and training (AECOM, 2013b).

Cultural resources include prehistoric and historic archaeological sites, buildings, structures, districts, objects, artifacts, or any other physical evidence of human activity considered important to a culture, subculture, or community for historic, traditional, religious, scientific, or other reasons. For ease of discussion, cultural resources are divided into archaeological resources, historic architectural resources, and traditional cultural properties. Historic properties include cultural resources that are listed in, or eligible for, the National Register of Historic Places (NRHP) and/or the State Register of Historic Places (SRHP).

Quarters One is the only remaining building at Sea Girt NGTC that is eligible for listing on the NRHP and SRHP (NJARNG, 2006a). Additionally, Sea Girt NGTC houses the National Guard Militia Museum of New Jersey, where historical military paraphernalia and art are exhibited. Tanks and armored vehicles are also located on the Sea Girt NGTC campus.

Archaeological Resources

John Milner Associates, Inc. (JMA) completed a Phase 1 archaeological (Phase 1A) survey at Sea Girt NGTC in 2004 (AECOM, 2013a). The survey included a pedestrian survey and limited subsurface excavation (i.e., shovel tests) in undisturbed areas of the installation (i.e., the parade grounds). Fifty-one (51) shovel tests were excavated, resulting in the discovery of 84 artifacts, many of which were recent items that were then noted in the inventory and discarded. Artifacts were somewhat evenly dispersed across the property and represent general field scatter. No prehistoric artifacts were recovered and no archeological sites were identified.

Based on the results of the 2004 Phase 1A surveys at Sea Girt NGTC, the NJARNG contracted JMA to conduct Phase 1B investigations at the installation (AECOM, 2013a). NJARNG Phase 1B investigations at Sea Girt NGTC included excavation of an additional 1,217 shovel tests. Historic artifacts were distributed relatively evenly across the property and represent general field scatter, mostly dating to various periods of the installation's history. The distal half of a chert transversely snapped biface/projectile point was collected from a shovel test excavated in the parade ground. Four (4) radial shovel tests excavated around this find produced no additional

artifacts. Elsewhere, a single chalcedony flake was collected; no archeological sites were identified at NGTC.

The NJSHPO requested a Phase 2 archaeological evaluation in a letter to the NJARNG, dated September 15, 2011 (HDR, 2013). The specific areas of concern were located east of the existing croquet field, which is in the northern portion of the site and not developed.

HDR Environmental, Operations and Construction, Inc. (HDR) conducted the evaluation at the request of the NJARNG. The work was conducted to assist the NJARNG and the NGB with compliance with the NHPA of 1966, as amended, and the New Jersey Register of Historic Places Act of 1970.

HDR conducted the Phase 2 evaluation of an eighteenth through mid-nineteenth century archaeological site, identified during the Phase 1A survey and Phase 1B investigation, in compliance with the Secretary of the Interior's *Standards and Guidelines for Archeology and Historic Preservation* (1983) and the NJSHPO's *Guidelines for Preparing Cultural Resources Management Reports* (2000). HDR's report (HDR, 2013), identifies an "evaluation area ('focus area') encompassing 5.05 acres at the west end of a series of flat sports fields along the northern edge of the NJARNG Training Center, along Sea Girt Avenue". According to the report, this area was selected for further evaluation because it contained a high density of positive shovel test pits (STPs) and the soil reflected a relatively undisturbed depositional sequence during the previous Phase 1 testing projects. The purpose of the evaluation was to further identify the archaeological site, delineate its boundaries and nature, and assess its integrity and potential significance. On the basis of this information, HDR made a recommendation about the site's eligibility for listing in the NRHP.

The Phase 2 archaeological evaluation of the focus area revealed a one-point-zero-three (1.03) acre archaeological site designated Site 28-Mo-407 with several dense artifact concentrations and intact subsurface deposits. Two (2) subsurface features likely representing the remains of a farmstead (a possible domestic structure and an associated detached kitchen) were identified. HDR excavated 725 STPs and seven (7) one-meter-by-one-meter test units (TUs) during the evaluation of the site. An examination of the stratigraphy in the excavations indicated that the site is relatively undisturbed beneath the historic plow zone. A total of 3,475 artifacts were recovered from the excavations (one prehistoric item and 3,474 historic items). The site contains an artifact assemblage dating to the mid-eighteenth to mid-nineteenth centuries, which is attributable to the Thomas Shearman family, Joseph Mount, and/or Commodore Robert Stockton.

Site 28-Mo-407, Shearman-Mount-Stockton farmstead, is recommended NRHP eligible under Criterion D for having the potential to yield information relevant to mid-eighteenth to mid-nineteenth century coastal/rural history in New Jersey. The Phase 2 testing has shown the site to

retain stratigraphic integrity and to contain archaeological assemblage and features that are tightly clustered temporally and functionally. The site is associated with a period prior to railroads and the large-scale development of the New Jersey coast for resorts and middle-class suburbs, a period not well understood or represented in the historical record. Also the site may be associated with Commodore Robert Stockton during his later life and has the potential to contribute new information about the domestic and business activities of this prominent New Jersey individual. By letter dated 15 November 2013, the Deputy State Historic Preservation Officer Daniel Saunders concurred with the NRHP eligibility of the site (HDR, 2013).

Historic Architectural Resources

Sea Girt NGTC has one significant historic architectural resource. Quarters One, the oldest building on-Post, was likely constructed in mid-nineteenth century, with later additions expanding the footprint. The Military Construction Authorization Bill of 1983 requires demolition of WWII temporary buildings on DoD installations. Before these buildings can be demolished, the DoD requires an installation to document them. In 1986, in compliance with Section 106 of the NHPA, the DoD entered into a Memorandum of Agreement with the ACHP and the National Conference of State Historic Preservation Officers to document the WWII temporary buildings on military installations. The U.S. Army coordinated this documentation and work at U.S. Army installations.

A 2004 Cultural Resources Study documented all existing structures on Sea Girt NGTC and determined that only Quarters One is classified as a historically significant structure. In a 29 November 2005 letter, NJSHPO advised that Quarters One is eligible for listing in the NRHP (AECOM, 2013a). In a 2 April 2015 letter, NJSHPO advised that the Proposed Action will not have an adverse effect on historic structures on the site (Appendix B).

Native American Consultation

There are currently three (3) Federally recognized Native American tribes with known lineal descent from the aboriginal occupants of New Jersey: the Delaware Tribe in Bartlesville, Oklahoma; the Delaware Tribe of Western Oklahoma in Anadarko; and the Stockbridge Munsee Community of Wisconsin (NJARNG, 2006a). There are no documented occurrences on Sea Girt NGTC of tribally sensitive sites or documented discovery of Native American human remains. The NJDMAVA maintains periodic consultation with several out of State tribal representatives. These Native American tribes are identified as potentially having ancestral homelands in areas of New Jersey. Periodic consultation occurs with the Tonawanda Band of Seneca, the Seneca Tribe, the Oneida Indian Nation, the Delaware Nation of Western Oklahoma, and the Delaware Tribe of Indians. However, there are no Federally recognized Native American tribes currently residing within the State. An inadvertent discovery contact list is maintained by the NJDMAVA

and is referred to in the event of discovery of potential Native American tribal artifacts on State-operated properties.

There was record of a prehistoric site at Sea Girt, but the last cultural survey did not find any evidence of it. There are no documented occurrences on Sea Girt NGTC of tribally sensitive sites or documented discovery of Native American human remains. Previous responses received for EAs on-Post have advised of no known tribal resources or sites of significance on Sea Girt NGTC and requested notification in the event of inadvertent discovery of human remains or Native American resources. Tribal consult letters were sent on 9 April 2014, to seven Native American Tribal representatives notifying them of the Proposed Action and requesting initial comments. Subsequent consultation letters were sent pursuant to applicable EA requirements. In a letter dated 19 August 2014, a representative of the Delaware Tribe requested additional information about the Proposed Action, including archaeological reports prepared for the site. The requested information was provided and, as a result, the Delaware Tribe deferred further comment in a letter dated 16 September 2014. To date, the remainder of Tribal consult letter responses have advised of no known tribal resources or sites of significance related to the Proposed Action. Tribal representatives were sent a copy of the EA for review during the public comment period. Copies of Tribal correspondences are found in Appendix B.

4.9 Socioeconomics

Population and Demographics

Data presented throughout Section 4.9 were obtained via City-Data.com (City-Data, most recent data provided is 2012-2013), Google Earth (Google Earth, 2013), the Master Plan Programmatic Environmental Assessment (PEA) (AECOM, 2013b), and site reconnaissance. The Borough of Sea Girt provides a significant contribution to the economy of Monmouth County. In 2012, Sea Girt's population was listed as 1,805 persons. Median resident age is 53.5 years old. Due to ongoing Army National Guard deployment activities, the military population at Sea Girt NGTC fluctuates due to NJARNG unit members being rotated for service. The NJSP Cadet population rotates with each Academy Class.

Labor Force and Employment

Of the total labor force population in the Borough of Sea Girt, seven-point-eight (7.8) percent are listed as unemployed in 2013, while the same percentage is also listed as unemployed in the Borough of Manasquan. Sea Girt NGTC currently employs approximately 30 full time NJARNG personnel, comprised of installation staff and FMS maintenance personnel. Approximately 175 NJSP faculty and staff are normally on NGTC during work days. This represents less than one (1) percent of the total labor force (all persons employed plus those

seeking employment) in Monmouth County. Sea Girt NGTC employment consists primarily of military employees and several civilian State and NJSP employees.

Shops and Local Services

The areas surrounding Sea Girt NGTC offer a number of commercial and small businesses located to the south and west of the installation. A large number of small local businesses, gas stations, convenience stores, cafés, and restaurants are located along Route 71, as well as along Main Street just south of the facility and along Washington Boulevard to the north.

Sea Girt NGTC Housing

Sea Girt NGTC currently has the capacity to house 685 students in its billeting facilities which are located in the southern portion of the Post. NJSP faculty and staff co-reside in these facilities along with Cadets. The Adjutant General resides in Quarters One in the summer. NJARNG staff members do not currently reside on the installation full-time. There are several private officer's quarters and open bay billets, which are used as student housing and seasonal vacation housing for military personnel (AECOM, 2013b).

Boroughs of Sea Girt and Manasquan Housing

The total population of the Borough of Sea Girt, as of 2012, totaled 1,805 people with the median age being 53.5 years old. Population per/square mile was calculated at 1,703 within the town limits. Borough of Sea Girt land area totals one-point-zero-six (1.06) square miles. The housing/real estate market stock as of 2011 had a median price of \$936,881. This is significantly higher than the \$324,900 median price of the State. Occupied dwellings in 2008 totaled 942 in Sea Girt with 842 listed as owner occupied and 100 listed as renter occupied. There was no subsidized housing listed in 2008 and the total number of houses for the Borough of Sea Girt were reported to be 1,285 during this period.

The total population of the Borough of Manasquan as of 2012 totaled 5,871 people with the median age being 43.5 years old. Population per/square mile was calculated at 4,261 within the town limits. Manasquan land area totals one-point-three-eight (1.38) square miles. The housing market stock as of 2011 in Manasquan had a median price of \$621,620. This is much higher than the \$324,900 median price of the State.

Schools

There are no full time residents or children residing on Sea Girt NGTC and there is no school located on Post. During the 2008 school year, a total of 887 school age children were enrolled in

a public or private kindergarten through eighth grade (K-8) institution in the Borough of Sea Girt. Older students are attending high school in the Manasquan School District. The students are provided bus transportation by the school district. There are four (4) schools which provide educational service to children in the Sea Girt community: Sea Girt Elementary School, K-8 on Bell Place, Brookside School, pre-kindergarten through eighth grade (PK-8) on Route 35, and Old Mill Elementary and Manasquan High School both on Broad Street.

Fire Protection and Medical Services

Sea Girt NGTC has no on-Post fire or hospital services. Jersey Shore University Medical Center is the nearest 24-hour emergency medical facility and is located five-point-five (5.5) miles away from Sea Girt NJTC at 1945 Route 33, Neptune, New Jersey. There is a small on-Post medical clinic staffed by NJARNG medics during daytime hours. A security guard is present at the main gate and, due to the co-location of the NJSP Academy on site, there are usually large numbers of New Jersey State Troopers on the installation day and night. The Sea Girt Fire Department provides primary fire protection to NGTC and is located zero-point-four (0.4) miles north of the facility at 319 Baltimore Boulevard, Sea Girt, New Jersey. The Manasquan Fire Department is located zero-point-four (0.4) miles southwest of the facility at 111 Parker Avenue, Manasquan, New Jersey.

Recreation Facilities

Fishing, hiking, jogging, biking, field athletics, ocean swimming, and wildlife viewing are primary recreational activities that occur at parks and facilities within the Boroughs of Sea Girt and Manasquan. The parks vary in size and are open to all town residents. The New Jersey National Guard Militia Museum is located within the Sea Girt NGTC, is operated by the State, and is considered a significant public attraction. Sea Girt NGTC contains multiple soccer/recreation fields along the northern portion of the installation, a croquet green, a seaside beach for swimming, a walking path, and several campgrounds with camper utility hook ups. A men's and women's locker room building is present adjacent to the campgrounds.

Protection of Children

EO 13045, *Protection of Children from Environmental Health Risks and Safety Risks*, ensures that Federal agencies identify and assess environmental health risks and safety risks that may disproportionately affect children. Agencies also shall ensure that their policies, programs, activities, and standards address disproportionate risks to children that result from environmental health risks or safety risks. The NJARNG is also required to comply with EO 13045 (AECOM, 2013b). Children could be considered at risk from particular Sea Girt NGTC activities (live fire training or NJSP high speed driver training) if they lived within the installation boundary or

while attending activities on the Installation (soccer fields or day camps) during these training actions. Private residences are found at various locations outside the boundaries of Sea Girt NGTC, primarily to the south and the north of the perimeter fence lines. Some of these homes are seasonal while others are year-round and many contain children. The nearest off-Post school (Sea Girt Elementary) is zero-point-two (0.2) miles from the northern fence line of Sea Girt NGTC.

4.10 Environmental Justice

The median household income for Sea Girt Borough was \$99,354 in 2011. This is higher than the State median household income of \$67,458. Estimated per capita income in 2011 was \$61,065. The education attainment for persons over 25 years of age as of 2008 was 201 females with only a high school diploma and 47 males with only a high school diploma. In 2008, 674 females had some level of college or an advanced degree while 643 males had some level of college or an advanced degree.

In 2009, the US Census Bureau reported that the population of Sea Girt was reported to be 97.2 percent white and two-point-eight (2.8) percent classified as a minority. There are no low-income housing areas, minority dominated residential populations, or public housing complexes located on or directly adjacent to Sea Girt NGTC or the surrounding properties.

The median household income for the Borough of Manasquan was \$84,285 in 2011. This is higher than the State median income. Estimated per capita income in 2011 was \$50,799. In 2008, City Data reported that the population of Manasquan was reported to be 91.7 percent white and eight-point-three (8.3) percent classified as a minority. There are no low-income housing areas, minority dominated residential populations, or public housing complexes located on or directly adjacent to Sea Girt NGTC or the surrounding properties.

4.11 Infrastructure

Much of the existing infrastructure on Sea Girt NGTC was installed in the 1930s. There are two (2) modern underground/submarine communication cables which cross NGTC property, run parallel to the northern fence line, enter the Atlantic Ocean, and cross to Europe. The US Army requires that new construction and upgrades follow the US Green Building Council's LEED for New Construction Program guidelines, which encourage and accelerate adoption of sustainable building and development practices. "Green" principles and practices, such as the use of recycled building materials and implementation of technologies that emphasize less pollution and higher energy efficiency during new construction, would be integrated into redevelopment and future facilities upgrades at Sea Girt NGTC. The LEED rating system provides four (4) certification levels for new construction: Certified, Silver, Gold, and Platinum. Each level

corresponds to the number of credits accrued for green design, and the NJARNG strives to obtain at least a Silver level certification for LEED for New Construction.

Water Supply, Storm Water and Wastewater

Potable water for Sea Girt NGTC is supplied by the Sea Girt municipal water authority conveyed by an existing main that may pre-date 1935 and by ancillary pipelines across the installation. The water lines were expanded and a water tank system was replaced in 1944 with connection to the municipal water system.

Storm water systems currently in place at NGTC include natural overland flow, swales, ditches, and limited piping across the west and southern half of the installation. The existing system is made of various type piping and is in reasonable condition, though requiring regular clean-outs. Wastewater lines were installed as early as 1935 and are believed to be clay, cast iron, asbestos cement, and plastic pipe. Several laterals are reported to be failing or require various repairs or removal. The current sewer force main leaves the installation on the northeast corner of Sea Girt NGTC via a pump station and transports sanitary waste into lines at Sea Girt Avenue eventually terminating at the municipal Publically Owned Treatment Works. There are no on-site wastewater treatment facilities. The NJSP crime lab has an independent wastewater line that connects directly into the municipal sanitary sewer (AECOM, 2013b).

Solid Waste and Recycling

Various non-hazardous solid wastes are generated daily on Sea Girt NGTC. Solid waste is generated from general office operations, packing material disposal, and associated wastes. Non-hazardous wastes are collected and held in standard solid waste dumpsters and collected by a licensed waste hauler for transportation off site to a landfill. There is no landfill or waste incinerator located on Sea Girt NGTC. The NJARNG maintains a formal recycling program where office waste and other specified materials are transported to a regulated recycling facility for reprocessing and reuse.

Energy

Electrical power is currently provided to Sea Girt NGTC facilities via overhead power lines entering the installation and connecting with an electrical sub-station on the installation. Natural gas lines service key installation buildings from Sea Girt Avenue to provide winter heating. A solar energy program has been implemented on Sea Girt NGTC which has provided for the installation of approximately 25,000 square feet of photovoltaic solar panels on structures installed above the western automobile parking areas.

Transportation and Traffic

Sea Girt NGTC has a limited network of paved roads to move troops, students, and equipment from point to point. Roadways are primarily designed to service individual buildings on the installation, are two-way undivided, and form boundary loops with interconnects at several locations.

Civilian visitors who are cleared for entry have free travel throughout the installation. One main gate provides access to/from Sea Girt Avenue. Sea Girt NGTC is bounded on the west by a railroad and State Route 71, which is a two-lane, paved road marked and maintained by the State of New Jersey. The railroad is used for freight, operated by CONRAIL, and transit, operated by New Jersey Transit (North Jersey Coast Line). The nearest commuter stations are in Manasquan and Spring Lake, NJ.

Additional access gates are present, but are kept locked and are generally unused. Access to Sea Girt NGTC requires a military ID or prior visitor notification with photo ID under the current security environment. Entry conditions are less stringent during public use of the soccer fields during certain seasons.

Helicopter Operations

Periodically, both NJSP and NJARNG flight crews land and take off from the existing paved Helipad located near the center of Sea Girt NGTC, south of the athletic fields and near the flag pole at the northwest corner of the Sea Girt NGTC. Flights in and out of the installation are sporadic (approximately six [6] times per month) and occur on an as needed basis.

4.12 Hazardous Waste Materials and Accidental Spills

Operations at Sea Girt NGTC require the use of hazardous materials such as solvents, flammable liquids and solids, petrochemical products, and other toxic chemicals primarily related to vehicle maintenance. Once used, some of these materials become hazardous waste that requires special storage, handling, and disposal. Fuel transfer, painting, motor pool and field equipment maintenance, military training, and other operations occurring on the installation generate hazardous waste. Sea Girt NGTC generates various hazardous wastes, which are held less than 180-days in a NJDMAVA-designated storage structure and is classified as a Small Quantity Generator (SQG) by the NJDEP. Licensed hazardous waste haulers are used to collect, recycle, and dispose of hazardous non-ordnance waste off site at a licensed disposal facility (AECOM, 2013b).

Pollution Prevention Plans (PPPs) are in place for Sea Girt NGTC with the objectives of minimizing environmental impacts associated with facility operations, protecting human health from exposure to harmful substances, and reducing hazardous substance use and hazardous waste generation. The PPPs address hazardous substances listed in the Superfund Amendments and Reauthorization Act Title III, ozone-depleting substances defined by the Montreal Protocol of October 1987, and hazardous wastes regulated under the Resource Conservation and Recovery Act (RCRA), Solid and Hazardous Waste Amendments, and NJDEP Waste Regulations. Plans are updated annually to incorporate changes in hazardous materials use on the facilities and to comply with the State-required pollution prevention planning process. Sea Girt NGTC has developed a Spill Prevention Control and Countermeasure Plan (SPCCP) that discusses the proper storage, handling, and transport of hazardous materials, responsible persons, and procedures to follow in the case of a spill or other accident (AECOM, 2013b).

According to the Pre-Construction Assessment (Kleinfelder, 2013), evidence of environmental remedial activities was observed within the site boundaries at the time of the reconnaissance, specifically associated with an underground storage tank (UST) investigation adjacent to Building 60, USEPA monitoring wells located in the eastern half of the site, and a polychlorinated biphenyl (PCB) oil spill cleanup (use of oil sorbent pads and booms) associated with a pad-mounted transformer adjacent to Building 7.

According to the assessment, several environmental remedial activities, in addition to those observed during the site reconnaissance, have occurred at the site. These activities include:

- 13 former UST and two (2) aboveground storage tank (AST) investigations;
- A transformer leaking oil that contains PCBs;
- A due diligence investigation at a portion of the site leased for the installation of a cell phone tower;
- An investigation of asbestos-containing soil spread/piled in four (4) on-site areas;
- An investigation of lead in soil at a firing range berm;
- A limited vapor intrusion investigation in the portion of the site where the RTI Building is being constructed; and
- The excavation of grease containers and soil in the Firing Range area.

Two (2) investigations related to off-site sources of contamination were conducted at the site. One (1) investigation was related to a retail gasoline station near the site and the other is related to an area-wide PCE plume associated with several upgradient sources of groundwater contamination (former dry cleaner sites).

Petroleum Products Use, Handling and Storage

At the time of this assessment, two (2) ASTs and one (1) UST are located within the site and are currently in use. A 2,000-gallon AST containing diesel is located on a concrete pad at FMS#2 and a multi-compartment 2,000-gallon AST containing diesel and gasoline is located near Building 59. The UST (Registration ID No. UST 130005) is currently registered in the NJDEP Site Remediation Program through December 31, 2015. Both fuel tanks have leak detection systems and are reportedly tested regularly as required by NJDEP regulations (NJDEP, 2014e). Additionally, Sea Girt NGTC previously maintained multiple USTs/ASTs used for petroleum fuels, oil, and lubricant materials that have been removed from the installation properties (see below).

UST/AST Investigations

One (1) underground storage tank (UST), with a capacity of 2,500 gallons of medium diesel fuel, is known to be located on the site (Registration ID No. UST 130005).

According to the Pre-Construction Assessment (PCA) (Kleinfelder, 2013), Sea Girt NGTC previously maintained multiple USTs and ASTs for petroleum fuels, oil, and lubricant materials that have been removed from the installation. To date, 15 storage tanks, listed below, have been removed and various levels of investigation and remediation have been conducted.

- One former 550-gallon heating oil UST (E2) at the Theatre Building (Building 26);
- One former 1,000-gallon diesel UST (C1) and one former 1,000-gallon gasoline UST (E11/C11) located northeast of the former power house building (Building 59);
- One former 12,000-gallon fuel oil AST (AG-5) located east of Building 59;
- One former 2,000-gallon diesel UST (E7), one former 550-gallon waste oil UST (WO1); one former 2,000-gallon gasoline UST (E6) and one former 2,000-gallon heating oil UST (E5) at the field maintenance shop location (Building 36 area);
- One former 1,000-gallon heating oil UST (E1) located north of Quarters One;
- One former 10,000-gallon heating oil UST (E3) located at the northeast corner of Building 35;
- One suspected single UST which upon further investigation was discovered to be two 1,000-gallon unleaded gasoline USTs (E4) located north of Building 60;
- One former 10,000-gallon unleaded gasoline UST (E8) located northwest of Building 64;
- One former 2,000-gallon unleaded gasoline UST (E9) located at the northeast corner of Building 66; and
- One former #2 heating oil AST (E10) located north of Building 68.

The NJDEP provided a No Further Action (NFA) letter for 11 of the former ASTs/USTs in 2011, including the aforementioned USTs at Buildings 26, 35, 36, 59, 64 and 68. An NFA for a twelfth UST, E9, was obtained in 1993. Only three (3) former tanks, the E1 UST and the E4 USTs have not yet been granted regulatory closure by NJDEP. A Response Action Outcome (RAO), which is equivalent to an NFA, is currently in preparation by the subcontractor's Licensed Site Remediation Professional (LSRP), who conducted remedial investigation (RI) work in the E1 area in 2012. Both USTs at the E4 location were removed in 2012 and additional RI work is ongoing at this location.

Transformers and PCB-Containing Equipment

PCBs were manufactured between 1929 and 1976 primarily for their insulating capacity and were used in electrical transformers, hydraulic equipment, certain petroleum products, and lighting ballasts (AECOM, 2013a). Numerous pole-mounted and pad-mounted transformers were observed throughout the site.

According to the PCA, two (2) pad-mounted transformers were recently installed to the northeast of Building 7, adjacent to the parking lot, to replace the two (2) pad-mounted transformers subject to the PCB spill area. Disturbance to the surrounding vegetation was observed in association with the installation of this equipment and the associated power lines. Two (2) additional pad-mounted transformers are located along the north edge of the parking lot between Building 7 and the NJSP Crime Lab. A spill of PCB-containing oil was documented in association with these transformers. Staining was observed on the concrete transformer pad, the adjacent parking lot, and the surrounding grass. This location is undergoing remedial efforts (Kleinfelder, 2013).

Fluorescent light ballasts were noted to be present in Buildings 8, 11, 27-34, 59, 60, 64, and 64T. The potential exists for fluorescent light ballasts to be present in additional buildings. Kleinfelder did not conduct an inventory of the light ballasts to determine their potential PCB content. However, NJDMAVA personnel inspected select light fixtures in Buildings 27-34 on June 19, 2012. Various types of ballasts were visually inspected and all inspected ballasts had a "no PCB" label. Not all ballasts were inspected at this time (Kleinfelder, 2013).

One (1) of two (2) pad-mounted transformers located adjacent to (east of) Building 7, which provided power to the administration building, was initially documented as leaking PCB-containing oil in 2009. Soil samples were analyzed for PCBs, gasoline range organics (GRO), and diesel range organics (DRO). PCB results ranged from non-detect (ND) to two-point-two (2.2) milligrams per kilogram (mg/kg); GRO results were ND and DRO results ranged from ND to 300,000 mg/kg.

In July and August 2012, the NJDMAVA retained Kleinfelder to delineate the extent of the identified impacts. PCBs and polycyclic aromatic hydrocarbons (PAHs) were either not detected above the laboratory method detection limit (MDL), or were detected below the applicable NJDEP Soil Remediation Standard in all samples analyzed for the applicable compounds. PCBs were not detected above the applicable MDL in any of the groundwater samples collected.

Based on the results of the laboratory analysis, the dielectric fluids in the two (2) pad-mounted transformers contain detectable concentrations of PCBs. However, based on Toxic Substance Control Act (TSCA) definitions, these transformers are considered “Non-PCB transformers”, which is any transformer that contains less than 50 ppm PCBs. A remedial action is tentatively scheduled.

Cell Tower Site Investigation

A review of documents indicates that, prior to installation of a cell tower compound on a leased portion of the southwest corner of the site, Cingular Wireless retained Adler Geoscience, Inc. (Adler) to perform a site investigation at the proposed location. On January 15, 2002, Adler installed two (2) soil borings which were subsequently converted to temporary well points. One (1) soil and one (1) groundwater sample were collected from each boring location. No contaminants of concern (COCs) were detected in the soil samples above the laboratory method detection limits.

The results of the groundwater sampling revealed carbon tetrachloride above the applicable NJDEP groundwater quality standard (GWQS) in one (1) boring and benzene above the NJDEP GWQS in the other (AECOM, 2013b). A subsequent investigation conducted in July 2006 by Berger included the installation of six (6) temporary groundwater sampling points and two (2) permanent monitoring wells. The result of the temporary well point sampling revealed PCE in two (2) of the samples, one (1) of which was in excess of the NJDEP GWQS. Sampling of the two (2) permanent monitoring wells revealed PCE in both wells in excess of the NJDEP GWQS (AECOM, 2013b).

Vapor Intrusion Investigation

Kleinfelder was retained by NJDMAVA to conduct a “limited” Vapor Intrusion (VI) investigation in the area of Buildings 27-34, which was the designated site for construction of the new RTI (Kleinfelder, 2013). Information gathered by Kleinfelder indicated that this portion of the site (and the greater Sea Girt Facility) may overlie groundwater contaminated with VOCs associated with chlorinated solvent releases from one or more current/former dry cleaners located hydraulically up gradient of the facility.

As a result, NJDMAVA retained Kleinfelder to conduct limited sampling of soil, groundwater, soil vapor, and crawlspace air in the Building 27-34 area and assess the potential for VOC migration from the subsurface into the current buildings and the future RTI buildings within this area. Soil analysis results indicated that targeted compounds were either not detected above the laboratory MDL, or were detected at concentrations below the NJDEP Default Impact to Ground Water Soil Remediation Standard (DIGWSRS) and Residential Direct Contact Soil Remediation Standard (RDCSRS).

Following the soil sample collection, each soil boring was converted to a temporary groundwater sampling point and sampled. PCE was detected in one groundwater sample at a concentration of 1.5 micrograms per liter ($\mu\text{g/L}$), which at the time exceeded the NJDEP GWQS and the Ground Water Screening Level (GWSL). The NJDEP increased the PCE GWSL to 31 $\mu\text{g/L}$ on January 16, 2013. Other compounds in the samples were either not detected at concentrations exceeding the laboratory MDL or were detected at concentrations below the current NJDEP GWQS and GWSL.

Since PCE was detected above the former NJDEP GWSL, Kleinfelder installed soil vapor sampling points in the locations of the former soil boring locations on August 10, 2012. PCE was not detected above the laboratory MDL. Additional compounds in the samples were either not detected at concentrations exceeding the laboratory MDL or were detected at concentrations that met or were below both the NJDEP Residential Soil Gas Screening Levels (RSGSL) and the Nonresidential Soil Gas Screening Levels (NRSGSL).

At the request of NJDMAVA, Kleinfelder conducted additional vapor intrusion assessment activities between October 15 and 17, 2012, to determine the potential need for a vapor barrier or sub-slab vapor mitigation system as part of the construction plans for the RTI buildings. The results of the vapor intrusion analysis were interpreted to mean that VOCs present in subsurface soil, groundwater, or soil vapor will not affect indoor air quality (based on crawlspace air quality as a surrogate for indoor air) in the proposed RTI buildings. In addition, PCE was not detected in crawlspace samples, which is interpreted to mean that PCE will not affect indoor air quality in the proposed RTI buildings (Kleinfelder, 2013). Ambient air appears to determine crawlspace air quality. Note there is some uncertainty comparing the RTI project's vapor intrusion study with the Proposed Action. It should be noted that the property is currently, and is intended to stay, a Non-Residential property.

Grease-Like Material Investigation

On January 27, 2006, while working at Firing Ranges 3 and 4, a construction company unearthed what appeared to be several cans of an unknown grease-like substance. The NJDMAVA retained Berger to investigate the area. Based on the results of the soil boring investigation, 58 tons of

impacted soil were excavated and disposed of from February 28 to March 1, 2006. Following the excavation, one post-excavation sample was collected from the bottom of the excavation. The results of the post-excavation sample indicated that soil observed to be impacted by the grease-like substance had been removed and the concentrations of various COCs in soil in the immediate area of the excavation did not exceed NJDEP soil cleanup criteria (Kleinfelder, 2013).

Off-Site Retail Gasoline Station Investigation

An area of groundwater contamination approximately two-point-four (2.4) acres in size is located to the west of the site in association with a former Mobil Service Station (current Lukoil Station) located at 218 Parker Avenue. Benzene, methyl tertiary-butyl ether (MTBE), and tertiary-butyl alcohol (TBA) are reportedly present in association with this contamination area. One (1) downgradient monitoring well associated with this investigation was installed in the southwest corner of the site. Ten (10) rounds of sampling conducted from this well between 1995 and 2005 indicated that no COC in excess of the NJDEP GWQS had migrated onto the site (as of 2005).

USEPA Area-Wide PCE Plume Investigation

Internet-based regulatory database searches revealed the presence of two (2) known contaminated sites upgradient of the site: the former White Swan Laundry and Cleaner, Inc. facility (White Swan) and the former Sun Cleaner (NJDEP, 2014e; USEPA, 2009, 2014). White Swan was located at 1322 Sea Girt Avenue and the former Sun Cleaners was located at 2213 Route 35 (AKA 201 Manasquan Circle). Both of these facilities were located approximately one-point-two (1.2) miles west of the site. The White Swan site is a National Priority List Superfund site addressed under the Comprehensive Environmental Response Compensation and Liability Act. According to a USEPA Region 2 summary on the White Swan facility, there are two (2) overlapping contaminated groundwater plumes. One (1) originates from the White Swan and one originates from Sun Cleaners. Collectively this contamination site is also known as the Magnolia Avenue Groundwater Contamination Site.

These facilities have been identified in association with an area of groundwater contaminated with dry cleaning chemicals and/or their breakdown products, including PCE, TCE and cis-1,2-DCE in portions of three (3) municipalities: Wall Township, Manasquan Borough, and Sea Girt Borough, New Jersey. The plumes have commingled and are migrating east towards the Atlantic Ocean (USEPA, 2009). The USEPA has installed two (2) monitoring wells in the southeast region of the site as part of the ongoing delineation of the plume. Previous phases of investigation, including the cell tower investigation and the VI investigation, have revealed PCE in the groundwater which is likely attributable to these off-site sources.

Hazardous Materials Use, Handling and Storage

Hazardous materials use, handling, and storage occur on site, including petroleum and vehicle fluids, used oil and other products associated with the maintenance and repair of vehicles in the field maintenance shop, repair of equipment in Building 68, carpentry projects in Building 66, and maintenance occurring in the rear of Building 59.

Three (3) chemical storage cabinets were identified in association with NJARNG operations. One (1) cabinet is located in Building 66 in association with the carpentry area, one (1) is located in Building 68 in association with the equipment repair shop, and one (1) is located in FMS#2 (Building 36).

The 254th Regiment, located in Building 60, and the NJSP Crime Lab also have chemical cabinets. Three (3) chemical storage cabinets – one (1) labeled lubricants and solvents, one (1) labeled paint, and one (1) unlabeled – are located in the central region of Building 60.

A hazardous waste storage shed is located adjacent to FMS #2. This shed is utilized to store used oil, brake oil, hydraulic fluid, grease rags, and used oil filters until disposal by licensed hazardous waste haulers in accordance with the NJARNG Hazardous Waste Management Plan.

Hazardous Waste Generation, Handling and Storage

There are operations at Sea Girt NGTC that result in the generation, use, and storage of hazardous wastes such as waste solvents and waste oil typically associated with vehicle maintenance and repair activities in the field maintenance shop, fuel transfer, painting, military training, and other operations occurring on the installation. The Sea Girt NGTC generates various hazardous wastes, which are held less than 180 days in a NJDMAVA-designated storage structure, and it is classified as a SQG (NJDEP, 2014e). Licensed hazardous waste haulers are used to collect, recycle, and dispose of hazardous non-ordinance waste at a licensed off-site disposal facility (the Defense, Reuse, and Marketing Facility in Mechanicsburg, Pennsylvania) in accordance with the NJARNG Hazardous Waste Management Plan (AECOM, 2013b).

In an effort to prevent oil spills from reaching navigable waters of the United States, USEPA requires certain facilities to develop and implement Pollution Prevention Plans (PPPs) and/or SPCCPs (40 Code of Federal Regulations [CFR] 112). The Sea Girt NGTC is such a facility and, according to the RTI EA, has up-to-date SPCCPs (AECOM, 2013a).

Oil Water Separators

An oil water separator is located at FMS #2 (Building 36) in the south central region of the site. This oil water separator is associated with a 550-gallon waste oil UST (W02) (AECOM, 2013a).

Asbestos Waste Pile Investigation

According to NJDMAVA personnel, Asbestos-Containing Building Materials (ACBM) originating from the demolition of sewer pipes during the 1990s and/or the facility's former sewage treatment plant was mixed with on-site soil stockpiles and spread across four (4) areas of the site. Reportedly, the four (4) asbestos debris areas as described by the NJDMAVA encompassed a total area of approximately two-point-three (2.3) acres. In the eastern portion of the site, the asbestos debris was spread/piled on the ground surface (over native sand and gravely sand soils), whereas, at other locations, asbestos was spread on the roadway which was subsequently covered with stone.

In April 2012, NJDMAVA retained Kleinfelder to investigate the known ACBM debris areas. Measurable asbestos was only detected in one (1) sample; however, transite pipe was noted in several locations across the site in the fill soil lying above native soil. The largest concentration of visible transite fragments was noted in the eastern portion of the site. As asbestos is a physical material, not a chemical compound which will disperse readily over an area, its distribution in soil can be very heterogeneous. Therefore, the possibility exists of point sources of asbestos in the fill soil that were not identified through soil sampling. A remedial action is scheduled.

Asbestos Containing Building Materials (ACBM)

ACBM is commonly found in buildings constructed prior to the 1970s. Common materials that may contain asbestos include floor tile, ceiling tile, mastic, grout, glazing and glues, pipe wrap and insulating materials. Based on information obtained during the review of NJDMAVA files, several site-wide ACBM surveys have been conducted along with area specific investigations conducted prior to individual construction projects.

The most recent ACBM inspection (December 2012) was conducted in association with buildings damaged by Superstorm Sandy. ACBM was identified at various locations in Buildings, 1, 7, 8, 11, 21, 22, 24, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 41, 54, 56, 58, 59, 60, 64, 66, 68, 73, and the apartment at the rear of Building 64. All identified ACBM was abated in Buildings 29, 54 and 68. Some abatement has been conducted at Buildings 7, 56, 58, and 60, but additional ACBM is known to be present in these buildings. Abatement of asbestos associated with the hot water heater mechanical room of Building 11 was completed in December 2011; however, other areas of ACBM in Building 11 still exist (AECOM, 2013b). Additional ACBM may be present in the site buildings in materials that have not been tested to date.

Firing Range Investigation

During the course of the asbestos investigation, several soil samples collected from the impact area of Firing Range #1 (asbestos Area 1) and from the field to the west (asbestos Area 3) were tested for lead, due to these areas being historically used as part of a small arms firing range. Soil samples were analyzed using the Synthetic Precipitation Leaching Procedure (SPLP) for lead. Results indicate that lead from the soil column at this depth is below applicable hazardous waste criteria (AECOM, 2013b).

Lead Based Paint (LBP)

LBP was commonly used prior to 1978. No flaking or peeling paint was noted during the pre-construction assessment; however, due to the recent occurrence of Superstorm Sandy the interior of several buildings were under various stages of repair (Kleinfelder, 2013). An LBP inspection of Buildings 27-34 was conducted by LEW Corporation on July 19, 2012, under contract to NJDMAVA. No positive readings were recorded.

Munitions and Explosives of Concern (MEC)

MEC includes military munitions that may pose unique explosive safety risks including UXO, discarded military munitions, and munitions constituents that may pose an explosive risk. Firing ranges have existed at the site since at least 1884. The firing ranges have always been located on the far eastern portion of the site near the sand dunes. The former armory building (Building 60) is located in the southwest region of the site. Additionally, a munitions storage building is located in the central region of the site and a former munitions storage building is located in the eastern region of the site.

5 Environmental Consequences

5.1 Implementation of Construction Activities at Sea Girt and Operations Impacts Analysis

This section examines the potential environmental impacts associated with the Proposed Action and the No Action Alternative. Potential impacts from the Proposed Action were determined based on a review of the Master Plan (Jacobs, 2014a), Design Charrette (Jacobs, 2014b), PCA (Kleinfelder, 2013), the RTI EA (AECOM, 2013a), discussions with military and civilian personnel familiar with military construction activities and its potential impacts, meetings at Sea Girt NGTC with installation personnel, and review of currently available environmental data.

Analysis of the environmental and socioeconomic consequences of the Proposed Action and alternatives includes Best Management Practices (BMPs), identified in Section 5.13, that limit the occurrence or severity of adverse environmental impacts. Table 6-1 provides a summary of the environmental impacts associated with the Proposed Action and the No Action Alternative.

The analysis of environmental impacts is based upon the following assumptions:

- All Sea Girt NGTC operations would comply with Federal, State, and local laws, and National Guard Bureau and Army regulations;
- Existing ongoing environmental conservation, management, restoration, and monitoring programs at Sea Girt NGTC would continue;
- BMPs identified in Section 5.13 would be incorporated into the Proposed Action.

5.2 Land Use and Training

Land use availability and use of training areas may be affected by demolition and construction. Impacts on land use and training would be considered significant if the action results in any of the following:

- The substantial reallocation of land uses or changes to existing land use designations within the installation;
- The substantial alteration of existing land uses surrounding Sea Girt NGTC;
- The substantial alteration of ongoing or planned training activities.

Potential impacts to visual and aesthetic values would consist of changes in the visual environment and the effects on viewers sensitive to such changes. Impacts would be considered significant when a change degrades the visual environment and it is noticeably visible to

sensitive viewer groups such as residents near the installation boundary, recreationalists, and motorists on scenic roads.

5.2.1 Effects of the Proposed Action

The buildings proposed for construction are conceptually designed to complement the surrounding structures and would be one or two-story complexes with steel frame and red brick construction. The buildings would utilize sheet steel roofing materials and be in accordance with current DoD and USACOE engineering design criteria. Conceptual visual drawings and floor plan layouts can be seen in the Design Charrette (Jacobs, 2014b). By the use of complementary and DoD-approved new building designs, aesthetics are expected to improve through the elimination of outdated construction, some of which is in total disrepair.

Due to the surrounding scattered tree cover, construction activities would not be easily observed outside the subject property limits. This would be particularly true during months when perimeter trees and shrubs were in leaf. Demolition and construction activities would create temporary negative impacts to overall visual aesthetics on the site, primarily through temporary establishment of lay down areas, soil and material stockpiles, and creation of dust. The use of dust control and other construction BMPs would be employed (NJDOT, 2008) to minimize visual and aesthetic impacts during demolition/construction activities.

Implementation of the Proposed Action would not impose a permanent or significant impact to land use designations at Sea Girt NGTC. The Proposed Action is a one-for-one facility replacement. Land space occupied by the new facilities will be recovered for other land uses by the existing facilities proposed for demolition. However, the Proposed Action would temporarily impact land use during demolition and construction phases of the project. Refer to Section 2.2 of this EA for a description of the Proposed Action. The locations of the proposed structures are currently maintained lawn adjacent to existing buildings, therefore lawn area would decrease until the Sandy-damaged structures are demolished and established as new lawn area. Specific areas on-Post would be restricted from unauthorized pedestrian and vehicular traffic. Operations on the site would return to existing conditions after construction is complete.

5.2.2 Effects of No Action Alternative

Under the No Action Alternative, the current buildings would remain and training would continue to occur at Sea Girt NGTC. Existing vacant and substandard structures would continue to deteriorate and remain unused. Unused buildings on-Post would result in a disservice to the NGTC. Surrendering buildings to vacancy without replacing those facilities would not support the NGTC's mission. Aesthetically, the No Action Alternative would not improve visual quality on-Post and would likely diminish visual quality over time. The existing buildings would

occupy space that could be otherwise used. Land use on the site would be significantly impacted by the derelict structures.

5.3 Air Quality

Minor impacts to air quality would occur under the Proposed Action and these would be considered significant only if emissions:

- Increase ambient air pollution concentrations to above NAAQS levels;
- Are determined to be “major” emission increases for nonattainment pollutants in nonattainment areas;
- Are determined to be major emission increases for Prevention of Significant Deterioration (PSD) pollutants; or
- Degrade air quality in National Parks and Wilderness Areas near an installation.

5.3.1 Effects of the Proposed Action

USEPA’s General Conformity Rule requires a formal conformity determination document for federal actions occurring in non-attainment or maintenance areas (i.e. former non-attainment areas). A General Conformity Applicability Analysis is required to demonstrate that emissions are not in excess of the *de minimis* levels.

In the Master Plan PEA (AECOM, 2013b) a General Conformity Applicability Analysis compared the estimated emissions from the implementation of the Master Plan (demolition, construction, and operation) at Sea Girt NGTC to the *de minimis* levels specified under the General Conformity Rule (GCR). This analysis determined that *de minimis* level thresholds would not be exceeded, thus, a formal Conformity Determination was not required.

A Record of Non-Applicability (RONA) was prepared to document implementation of the 2010 Master Plan. Sea Girt NGTC would conform to New Jersey’s State Implementation Plans (SIPs) for Ozone since the *de minimis* thresholds are not exceeded. The RONA for the Master Plan and supporting calculations from the Sea Girt NGTC Master Plan PEA (AECOM, 2013b) are included in Appendix I. Since the Master Plan’s analysis included extensive demolition and construction, including buildings that ultimately would replace the existing GIB, MED, and EHMS, FMS, emissions due to the Proposed Action have been estimated to be below *de minimis* levels and are, therefore, not predicted to be a concern. Therefore, as discussed in Section 4.3, the General Conformity Rule does not apply to the Proposed Action and a formal conformity determination is not necessary. The RONA prepared for the Master Plan is applicable since the Proposed Action is a one-for-one building replacement.

The PPB proposed under the Proposed Action will operate in emergency situations and utilize a generator that combusts No.2 diesel fuel to generate power. NJDEP has an air quality general permit for emergency generators that will be applied to the PPB portion of the Proposed Action.

Considering the existing groundwater contamination and future potential for associated vapor, the Proponent retained a contractor to design a Vapor Intrusion (VI) system for the proposed buildings, which will mitigate potential indoor air quality issues (Appendix C). The system will be passive with the option to install an active mitigation component, if necessary.

Overall impacts to air quality during project demolition and construction would be minor and short-term. BMPs for construction and demolition activities would be implemented. Heavy equipment would be properly maintained to minimize exhaust emissions. Fugitive dust would be controlled as needed with standard dust control methods. As implementation of the Proposed Action includes the removal of several out dated facilities, and their replacements are LEED-certified structures that will use improved energy efficiency and low pollution technologies, the Proposed Action could result in an overall net reduction in emissions at Sea Girt NGTC.

5.3.2 Effects from the No Action Alternative

Under the No Action Alternative, MILCON activities would not occur at Sea Girt NGTC. Existing structures would remain in a deteriorating condition. Air quality would not be impacted.

5.4 Noise and Disturbance

Several local, State, and Federal noise standards and ordinances apply to Sea Girt NGTC and surrounding areas. The Department of the Army and DoD regulate noise on military reservations and these regulations would apply to Army National Guard activities. Army Regulation 200-1, Chapter 14, requires military activities to comply with all applicable Federal, State, and local noise ordinances, regulations, and standards. Based on these regulations, noise impacts are considered significant when there is an increase in ambient noise levels above 65 dBA or 62 dBC Ldn at noise-sensitive receivers on the fence line of Sea Girt (see Table 5-1).

The LUPZ is the area where noise sensitive receptors such as housing, hospitals, churches, would be normally located. Zone I would include these receptors, but their presence would be discouraged. Normal noise generating activities would continue to occur at Sea Girt NGTC and result from the operation of small arms ranges, automobiles, NJSP vehicle training, HMMWVs and Heavy to Medium Tactical Trucks. Use of this equipment at Sea Girt NGTC is normally periodic during movement of vehicles to and from maintenance bays and static storage parking

lots. Small arms range training occurs during daylight hours, during week days and Saturdays, normally from approximately 0900 hours to 1700 hours.

Table 5-1 Noise Limits for Noise Zones (AR 200-1 Chapter 14)

Noise Zone	Noise Limits dBA Aviation	Noise Limits dBC Impulsive (Heavy Weapons	Noise Limits dB PK 15 (met) Small Arms
LUPZ	60-65	57-62	NA
I	<65	<62	<87
II	65-75	62-70	87-104
III	>75	>70	>104

5.4.1 Effects of the Proposed Action

Noise produced by the Proposed Action would be limited to periodic operation of heavy construction equipment during exterior demolition and construction activities and support equipment used during training exercises. These noises may impact military personnel working or training on NGTC, nearby wildlife, and people living on the installation boundaries. These impacts would be limited to activities during active exterior demolition and construction. These activities would be temporary and would occur during normal business hours when most surrounding residences would normally be vacant.

Noise and activities associated with operation of heavy construction equipment would have short-term adverse impacts on wildlife in the immediate vicinity of the proposed activities. It is likely that wildlife would leave the immediate area or hide in the vegetation or in burrows until close proximity demolitions and exterior construction operations have terminated. The site currently experiences a nearby rail line, seasonal traffic, on-Post training activities, and heavy equipment, so wildlife on-Post might be somewhat accustomed to the level of disturbance expected from the Proposed Action.

Noise from the Proposed Action would have short-term adverse impacts on the health of construction personnel operating heavy equipment. Impacts to operator hearing should be minimal if approved hearing protection is used. Noise from the Proposed Action should not adversely affect people or structures near the installation boundary due to sound attenuation and level drops over distance and hourly restrictions on exterior operations. Sea Girt NGTC has a 2005 Noise Management Plan in place for its installations, which provides for Standard Operating Procedures (SOPs) to be used during NJARNG and NJSP activities. Additionally, there is an in-place Noise Complaint Management Program and a noise complaint SOP (NJARNG 2005). The NJARNG Noise Complaint SOP, outlined in the 2005 Noise

Management Plan, would be followed should a public noise complaint be received during activities on Sea Girt NGTC. State and local noise regulations and ordinances would be followed during implementation of the Proposed Action.

5.4.2 Effects of the No Action Alternative

Under the No Action Alternative, no MILCON activities would occur on Sea Girt NGTC; therefore, no impacts beyond existing conditions would occur.

5.5 Topography, Geology, and Soil

Impacts to topography, geology, and soil would be considered significant if:

- Soil compaction, alteration, or erosion precludes regeneration of vegetation in open spaces; or
- Soil resources are lost that are not readily available elsewhere.

5.5.1 Effects of the Proposed Action

Impacts to the topography or geology of Sea Girt NGTC are expected to be minimal under this alternative. The existing site is relatively flat and bedrock is located at a depth where minimal disturbance is expected.

Demolition and construction of the new multi-use complexes (approximately six-point-nine-one [6.91] acres of temporary disturbance with approximately two-point-zero-six [2.06] acres of permanent impervious coverage) would disturb the soil through earth moving and operating heavy construction equipment, which would lead to erosion that could indirectly and temporarily impact off-site surface water quality and onsite vegetative growth. Excavated soil would be either permanently removed or redistributed on site. Standard soil erosion and sediment control BMPs would be used as required by State regulations (NJDOT, 2008).

Since the Proposed Action is a one-for-one building replacement, permanent soil impacts resulting from construction of the new buildings and paved areas will be partially offset by the demolition of damaged buildings. Minimal soil erosion is expected at the demolition locations, which will be mitigated through standard erosion control BMPs.

Risk of erosion and compaction are greatest in areas where building construction and utility upgrade/replacement would occur from excavation and trenching. Direct and indirect adverse impacts to the soil and soil organisms from operation of wheeled and tracked equipment during demolition, construction, and training exercises could occur under the Proposed Action.

A minor cumulative increase in soil impact due to increased capacity for more efficient and frequent training operations is expected. Primary soil erosion impacts during field training activities would occur from use of support vehicles, which are part of the unit structure. Due to the relatively small number of vehicles potentially involved and their normal restrictions onto paved areas, adverse impacts to soil is expected to be minimal.

A NJDEP Permit for the Discharge of Storm Water and Dewatering Wastewaters Associated with Construction Activities, a Storm Water Pollution Control Plan, and a Soil Erosion and Sediment Control Plan would be required to address construction sequencing and erosion/sediment controls during construction. Post-construction storm water BMPs would be developed and implemented (NJDEP, 2009). No further mitigation would be necessary because adverse effects to soil would be temporary and insignificant.

5.5.2 Effects of the No Action Alternative

Under the No Action Alternative, MILCON activities would not occur at Sea Girt NGTC. Currently, a number of NJSP and NJARNG vehicles are operated on unimproved, gravel and grass covered areas. If current operations continue, compaction of soil and a growing potential for increasing erosion and accidental spill hazards could occur in these unimproved parking and vehicle operation areas.

5.6 Water Resources and Wetlands

Water resources on the site are widespread and closely related. The sections below discuss components of those water resources.

Impacts to surface water are considered significant if they: 1) increase the frequency or extent of flooding in developed or sensitive natural areas; 2) decrease flows in natural waters to the detriment of aquatic resources; or 3) result in a discharge of pollutants to natural waters in amounts that exceed USEPA ambient water quality criteria or State of New Jersey water quality standards.

Impacts to groundwater would be considered significant if depths to groundwater are: 1) increased to the point of causing flooding or slope stability problems; 2) decreased to the extent of measurable reductions in available supplies; or 3) changed such that groundwater flow directions negatively affect known zones of groundwater contamination.

Sea Girt NGTC is located within the boundaries of the Coastal Area Facilities Review Act (CAFRA) zone, throughout which NJDEP requires special permitting for proposed development

and redevelopment activities in order to ensure protection of coastal and/or water resources (N.J.S.A, 13:19). The Proponent was issued a CAFRA permit for the RTI project on 19 July 2013 (Permit No. 1344-03-0001.2 CAF 120002). The Proponent was issued a CAFRA permit modification (Modification File No. 1344-03-0001.2 CAF 140002) to include the Proposed Action in the above referenced permit in June 2015. Both the original permit and the associated modification expire on 18 July 2018. Refer to Appendix G for copies of both approvals. The CAFRA permit authorizes the Proposed Action under and in compliance with the State of New Jersey Coastal Zone Management Rules (N.J.A.C. 7:7E). Permit conditions applicable to the Proposed Action require specific management measures to reduce adverse environmental impacts, including:

- There shall be no disturbance to wetlands located on-site;
- All excavation shall be monitored for the presence of acid-producing soil deposits and if such deposits are encountered, the permittee shall adhere to the mitigation and disposal standards outlined in the State of New Jersey Flood Hazard Area Technical Manual, including reestablishment of vegetation;
- Storm water management measures shall be maintained in effective operation;
- All sewage generating structures on the site shall be found consistent with the appropriate Area-wide Water Quality Management Plan;
- Alterations to the approved storm water management design shall be reviewed and approved by NJDEP;
- The regulated activities must be performed in accordance with the Standards for Soil Erosion and Sediment in New Jersey (N.J.A.C. 2:90);
- Prior to construction, structures proposed for demolition (including trees), modification, or reconstruction must be surveyed for kestrel nests and/or breeding activity during the breeding season (March 15 through August 15); and if same is discovered, then restriction of those activities must be observed through breeding season and mitigation for lost nests must be implemented;
- If a nearby osprey nest site is occupied by April 15, no demolition or heavy machinery/equipment shall be used between April 15 and August 31;
- If a geodetic control reference marker is found on-site and cannot be protected, the permittee shall contact NJDEP to relocate the marker;
- All debris, wood, trash, and other loose materials shall be discarded and legally disposed of offsite and no debris shall enter or remain in the water;
- Plastic under landscaped or gravel areas is prohibited;
- All fill shall be clean and free of toxins; and
- The proposed structures shall comply with the elevation and flood proofing requirements of the National Insurance Program regulations.

5.6.1 Surface Waters

5.6.1.1 Effects of the Proposed Action

The Proposed Action does not include activities directly within a surface water body; however, it does include activities adjacent to surface water. As a result, impacts to surface water will be mitigated by storm water management mechanisms and air borne debris suppression mechanisms. Refer to Section 5.4 for more information about air quality management. Refer to Section 5.6.2 for more information about storm water management mechanisms.

Disturbance to the soil that leads to soil erosion and the uncontrolled release of fuels and lubricants by construction equipment during demolition of existing structures and during phased construction of new building complexes, could impact water quality. In addition, new impervious surfaces will be created, including new parking areas which will become a source of leaking vehicles. Runoff from the new parking areas will be captured and treated pursuant to NJDEP requirements. NJARNG and NJSP requires that construction and training activities be conducted away from identified drainage ways which would lessen the likelihood of direct impacts to off-site water bodies, including the coastal zone, but erosion and accidental release of petroleum-based contaminants into these pathways could have short-term, indirect adverse impacts to off-site water bodies.

The storage and transportation of petroleum, oil, and lubricants (POLs) is strictly regulated on Sea Girt NGTC. The POLs could enter off-site surface waters if spilled directly into drainage ways or indirectly through runoff associated with rainfall events. Unless a major spill event was to occur, the concentration of POLs that would reach offsite water bodies would be low. FMS fuel point and Building 59 fuel point are within 100 feet from Stockton Lake, but minor spills would be easily contained and cleaned up before entering an off-site water body. Sea Girt NGTC has an up to date spill prevention plan that provides guidance on the safe and effective control, prevention, containment, cleanup, disposal, restoration, and reporting of accidental spills or releases into the environment of oil, hazardous materials, and hazardous wastes.

As part of an active spill plan, the construction contractor or Sea Girt NGTC personnel would maintain a fuel spill kit while construction activities are underway. In the unlikely event that a leak or spill were to occur, contractor personnel would notify Sea Girt NGTC spill trained personnel, deploy the spill kit to contain and mitigate escaped materials, and implement procedures outlined in the Sea Girt NGTC SPCCP. The Proposed Action will adhere to State and Federal regulations that are designed to protect surface water quality. The Proposed Action will not impact surface water quality significantly during the short- or long-term.

5.6.1.2 Effects of the No Action Alternative

No impacts to surface water would occur as a result of the No Action Alternative.

5.6.2 Storm water and Associated Wetlands/Watercourses

5.6.2.1 Effects of the Proposed Action

All regulated wetlands are considered important habitats that require regulatory approval before they may be impacted, thus wetland impacts shall be considered significant. Executive Order 11990, *Protection of Wetlands*, ensures that federal agencies and the National Guard minimize the destruction, loss, or degradation of wetlands, and enhance and preserve the natural and beneficial values of wetlands when carrying out actions on federal lands. Additionally, New Jersey State regulations require activities adjacent to or within NJDEP regulated wetlands to be similarly approved and permitted. The Proposed Action poses no direct or indirect impacts to wetlands or watercourses. No significant adverse impacts to vegetated wetlands buffers would occur as a result of the Proposed Action. All proposed improvements are located out of areas defined as wetlands or watercourses. Storm water management measures would be implemented to control the quality of runoff directed toward these features.

A storm water management system to mitigate storm water runoff, and meet requirements of the CAFRA (N.J.S.A. 13:19-1), Flood Hazard Area Control Act (N.J.S.A.58:16A-50 et seq), and NJ Storm Water Management Rules (N.J.A.C. 7:8) was approved via the abovementioned CAFRA permit. Section 438 of the Energy Independence and Security Act (EISA) (42 U.S.C. Section 17094) established storm water design requirements for Federal construction projects that disturb a footprint greater than 5,000 square feet of land. The footprint of the Proposed Action consists of all horizontal hard surfaces and disturbed areas associated with the project development, including both building area and pavement such as roads, parking lots, and sidewalks, which totals nearly seven (7) acres of disturbance. Under these requirements, predevelopment site hydrology must be maintained or restored to the maximum extent technically feasible with respect to temperature, rate, volume, and duration of flow.

Under N.J.A.C. 7:8-5.2, the Sea Girt NGTC Proposed Action is a major development. As a major development, the Proposed Action design must include structural and non-structural storm water management measures to meet the erosion control, groundwater recharge, storm water runoff quality, and storm water runoff quantity standards. Refer to Section 5.6.5 for more information about groundwater recharge. To the maximum extent practicable, these standards shall be met by incorporating nonstructural storm water management strategies (N.J.A.C. 7:8-5.3) into the design. If these measures alone are not sufficient to meet these standards, structural

storm water management measures (N.J.A.C. 7:8-5.7) necessary to meet these standards shall be incorporated into the design.

In order to control the development impacts for storm water runoff quantity of the site, the hydrologic design of the site must demonstrate one of three design criteria. The first of which is to demonstrate that for storm water leaving the site post-construction runoff hydrographs for the 2-, 10-, and 100-year storm events do not exceed, at any point in time, the pre-construction runoff hydrographs for the same storm events.

The second of which would be to demonstrate that there is no increase (pre- to post-development) in the peak runoff rates of storm water leaving the site of runoff for the 2-, 10-, and 100-year storm events. Unlike the first option which states that all the parameters of the runoff must remain the same, an increase in volume or change in the timing of storm water runoff is allowed, so long as it would not increase flood damage at or downstream of the site. This analysis must include considerations of impacts to existing land uses and projected land uses assuming full development under existing zoning and land use ordinances in the drainage area.

The third option would be to design storm water management measures so that the post-construction peak runoff rates for the 2-, 10-, and 100-year storm events are 50, 75 and 80 percent, respectively, of the pre-construction peak runoff rates. The percentages apply only to the post-construction storm water runoff that is attributable to the portion of the site on which the proposed development is to be constructed. The post-development runoff calculations would exclude areas of the site that were not included in the development.

However, in tidal flood hazard areas, the analysis described in the above options would only be applied if the increased flood water volume could increase flood damages beyond the point of discharge. The site is located adjacent to a tidal waterbody that connects directly to the Atlantic Ocean and flood damages will not increase beyond the point of discharge, so the abovementioned options do not apply.

Storm water runoff quality standards that apply to the Proposed Action are set forth under N.J.A.C. 7:8-5.5. Storm water management measures are designed to meet water quality standards, which reduce the post-construction load of total suspended solids (TSS) in storm water runoff generated from the water quality design storm by 80 percent of the anticipated load from the developed site, expressed as an annual average. The proposed storm water management design will meet that requirement. NJDEP issued a Temporary Dewatering Permit for the Proposed Action, dated January 13, 2015, and expiring December 31, 2016 (Program Id No. 1312D, Activity Number DWP 140001). Refer to Appendix J for a copy of the permit. The Freehold Soil Conservation District certified the Soil Erosion and Sediment Control Plan for the Proposed Action, effective May 7, 2015 (Reference No. 2014-0672). Refer to Appendix K for a

copy of the Soil Erosion and Sediment Control Plan certification letter. The certification is contingent upon the Proponent obtaining a NJDEP permit for the discharge of storm water (also referred to as a 5G3 construction permit) in support of the certified Soil Erosion and Sediment Control Plan for the Proposed Action. The 5G3 permit is obtained via an online application which automatically approves the permit upon submission. The 5G3 permit is pending further details regarding the commencement of the Proposed Action.

Calculations regarding impervious surfaces and storm water flows were developed in a Storm Water Management Plan provided as part of a NJDEP CAFRA permit application. Post-construction storm water BMPs, such as vegetated buffer strips, retention/detention basins, groundwater infiltration systems, and/or manufactured treatment devices (MTDs) will be implemented. Impacts to off-site water bodies as a result of storm water runoff from demolition, construction, and operation activities will be minimal with appropriate BMPs implemented, pursuant to the NJDEP 5G3, Temporary Dewatering Permit, CAFRA permit, and Soil Erosion and Sediment Control Plan certification.

5.6.2.2 Effects of the No Action Alternative

Storm water management and wetlands would not be altered under the No Action Alternative.

5.6.3 Floodplain Areas for 100- and 500-Year Floods

5.6.3.1 Effects of the Proposed Action

The NJARNG obtained a floodplain waiver from DoD in accordance with Executive Order 11988, 24 May 1977, to execute military construction within a known floodplain. The waiver confirms the lack of impacts of the Proposed Action on the neighboring communities.

In January 2013, construction of the RTI building was granted a floodplain waiver as a portion of the RTI building was proposed to be located within the 100-year floodplain (AECOM, 2013a).

The proposed GIB/MED POV parking area and portion of the EHMS/FMS organizational parking area are located within the 100-year floodplain. An approved floodplain management analysis for the Proposed Action, dated December 2014, and a request for a Floodplain Waiver for the Proposed Action are included in Appendix F. The floodplain management analysis adequately follows the eight-step evaluation process, described in Executive Order 11988, and was issued a Certificate of Compliance by NJDMAVA. As a result, the analysis was published and made available for public comment, as advertised in a local newspaper (The Coast Star), once per week for five (5) weeks, between December 24, 2014, and January 22, 2015. The Floodplain Management Analysis in Appendix F contains an appended copy of the Affidavit of

Publication from The Coast Star (13 Broad Street, Manasquan, NJ 08736) documenting the publication, along with a copy of the printed notice. There were no public comments received as a result of the solicitation for public comment, per NJDMAVA. Refer to Appendix F for a copy of the correspondence verifying no public comments were received. Appendix F also contains a copy of the floodplain waiver request.

The parking areas will be constructed in the 100-year floodplain, but the increase in impervious coverage will be accounted for in the storm water management plan. The proposed location of the GIB/MED POV parking area is currently being used for POV parking and consists of a gravel and cobble lot with no appreciable vegetation. Locating the GIB/MED POV parking area within the floodplain, in its current location, best meets NGTC needs for operational efficiency. In addition, the EHMS/FMS organizational parking area is proposed to be located adjacent to the EHMS/FMS building. Only the southern portion of the parking area will be located within the 100-year floodplain. This facility needs parking to achieve operational efficiency and the proposed location of the organizational parking area achieves that while fitting the constraints of surrounding land uses.

Before beginning the Proposed Action, NJARNG will coordinate with all necessary parties to ensure that the construction of structures will comply with not only the Executive Order, but local National Flood Insurance Program (NFIP) requirements. The construction will involve locating the structures outside the one-percent annual chance (base flood or 100-year flood) elevation. The demolition of existing structures and the construction and operation of the new facilities are not expected to have an adverse impact on the flood elevations or flood conditions of the neighboring communities. New structures will be built outside of the 100-year floodplain. Damaged structures will be removed from within the 100-year floodplain.

5.6.3.2 Effects of the No Action Alternative

Existing structures will remain within the 100-year floodplain; however the buildings will not be in use. The derelict structures would be exposed to repeated damage from future flooding.

5.6.4 Tidelands

5.6.4.1 Effects of the Proposed Action

The Proposed Action does not include land that can be claimed as tidelands.

5.6.4.2 Effects of the No Action Alternative

The No Action Alternative will not impact land that can be claimed as tidelands because no work will be conducted.

5.6.5 Groundwater

5.6.5.1 Effects of the Proposed Action

The Proposed Action would require providing evidence that the groundwater recharge standards in the NJDEP Storm Water Management Rules (N.J.A.C. 7:8-5.4(a)2) would be met (unless exempted at N.J.A.C. 7:8-5.4(a)2ii). To meet the N.J.A.C. 7:8-5.4(a)2 groundwater recharge standard, a choice is given for the design of the site. The design engineer can either demonstrate that the site would maintain 100 percent of the average annual pre-construction groundwater recharge volume or demonstrate that the increase in storm water runoff volume from pre-construction to post-construction for the two-year storm is infiltrated.

N.J.A.C. 7:8-5.4(a)2ii states that the above requirements do not apply to “urban redevelopment areas” where storm water has high pollutant loadings or is industrial storm water, areas where hazardous materials are expected to be present in greater than ‘reportable quantities’ as defined by USEPA at 40 CFR 302.4, and/or areas where recharge would be inconsistent with a NJDEP-approved remedial action work plan. The subject property is subject to an ongoing USEPA Area Wide PCE Plume Investigation. The design engineer shall design the site so as to avoid adverse hydraulic impacts. The approved NJDEP CAFRA permit for the Proposed Action demonstrates compliance with the Storm Water Management Rules (Appendix G).

5.6.5.2 Effects of the No Action Alternative

No impacts to groundwater would occur as a result of the No Action Alternative.

5.7 Biological Resources

5.7.1 Vegetation

The potential for adverse impacts from the Proposed Action on vegetation are minimal and short-term as construction activities would generally occur in areas subject to prior ground disturbance. Impacts to vegetation are significant if they: 1) directly or indirectly impact populations of endangered or threatened plant species; 2) directly or indirectly impact state or federal priority plant communities; or 3) impact a large portion of the existing plant communities on Sea Girt NGTC.

5.7.1.1 Effects of the Proposed Action

Primary impacts to vegetation from implementation of the Proposed Action would result from land clearing prior to building construction. Approximately two-point-zero-six (2.06) acres of new construction (building and pavement) would be built during the Proposed Action. The areas to be cleared for new construction are previously disturbed, consisting of maintained lawn, or are occupied by existing gravel parking areas. Section 2.2 describes the buildings scheduled for demolition as part of the Proposed Action. Some buildings will be demolished before construction, while others will be demolished after construction. After construction of each proposed building, landscaped vegetation would be placed to improve the surrounding aesthetic environment. Vegetation temporarily removed during the Proposed Action would be restored in areas not occupied by building footprints. Areas of demolition not part of new construction would be reseeded, as feasible. USFWS acknowledged that sea beach amaranth (*Amaranthus pumilus*), a Federally-threatened beach and dune species of flora, is not located within the Proposed Action area and will not be adversely impacted. In addition, State-protected plant species are not known to be located with the project area.

5.7.1.2 Effects of the No Action Alternative

Under the No Action Alternative, MILCON actions would not occur; therefore there would be no impacts to vegetation under this alternative.

5.7.2 Aquatic Resources and Fish

Aquatic resources include aquatic habitats and the organisms that use these habitats. Impacts to aquatic organisms and their habitats are considered significant if they: 1) cause direct mortality, 2) degrade existing habitat that limits the propagation of species, or 3) worsen existing conditions that are limiting populations or habitats.

The created wetland located in the southeast portion of the site contains standing water which may contain small fish. Stockton Lake is located on the southern boundary of Sea Girt NGTC and is capable of supporting freshwater fish. Stockton Lake's outlet flows southeast and eventually into the Atlantic Ocean.

5.7.2.1 Effects of Proposed Action

Fuel or POLs that could be accidentally spilled, and measures to control and clean up spills, were discussed in Section 5.6.1. Most potential spills would be small and would occur due to leakage of POLs from construction or Guard vehicles, or due to an accident or equipment failure that results in the loss of hydraulic fluid or fuel contained in the fuel tanks of a piece of construction

equipment. The Sea Girt NGTC spill plan provides measures to contain and clean up a spill of this magnitude prior to entering an off-site water body through on site drainage pathways. The magnitude of the potential impacts would be directly related to the type (i.e., stream, lake, or wetland) and size of the aquatic body and the source of the contaminant. The risks of impacts to off-site aquatic bodies (Stockton Lake) could exist at Sea Girt NGTC. However, buffer zone restrictions and spill plans would be followed, as this would reduce risks to aquatic organisms adjacent to the installation. As most activities from the Proposed Action would occur within central locations of Sea Girt NGTC, the potential for spills to reach surface water bodies is minimal.

There are currently no federally or state listed Threatened and Endangered aquatic species known to reside on Sea Girt NGTC according to NJDEP and USFWS (2009).

5.7.2.2 Effects of the No Action Alternative

Under the No Action Alternative, MILCON activities would not occur at Sea Girt NGTC. Thus, there would be no impacts to aquatic resources and fish beyond existing conditions under this alternative.

5.7.3 Wildlife

There are currently several federally and state listed threatened or endangered species known to occur on Sea Girt NGTC (NGB, 2011; NJARNG, 2006b; USFWS, 2014; NJDEP, 2014a; AECOM, 2013b; ASGEC, 2008). (See Table 5-2 for potential wildlife species and relative statuses.) Impact issues include the temporary effects of demolition and construction on the health and habitat use of wildlife on Sea Girt NGTC. Primary impacts to wildlife as a result of the Proposed Action would be from noise adjacency. Impacts from the limited removal of existing vegetation/habitat are not expected to occur as new construction under the Proposed Action would occur in currently disturbed areas or those containing mowed grasses (low quality habitat).

Impacts to wildlife are considered significant if they:

- Reduce the numbers or habitat of any federally designated endangered or threatened listed species or species proposed for listing;
- Jeopardize the continued existence of other wildlife species and their habitats on or in the vicinity of Sea Girt NGTC; or
- Create a barrier to the migration or movement of wildlife species.

The following sections discuss the potential effects of interactions between the Proposed Action and wildlife.

5.7.3.1 Effects of the Proposed Action

Demolition and construction activities would temporarily add to existing military noise experienced by wildlife at Sea Girt NGTC. Excessive noise could result in disturbance that would force more mobile wildlife to leave impacted areas, including during portions of the day when wildlife (especially birds) actively feed.

Portions of Sea Girt NGTC are mapped as habitat for threatened and endangered species by NJDEP (NJDEP 2014d). These areas are protected by NJARNG and off limits to people. The protected areas are located within the dunes and upper beach areas. Signs and fences mark the areas, and the ARNG patrols the area daily.

No demolition or construction in these protected areas would be allowed under the Proposed Action. The existing osprey nesting stand would remain undisturbed at its current location. The proposed new construction would take place in areas distant from where most special status species were observed, including areas that are currently occupied by structures (slated for demolition), in mowed grass areas, areas currently used for vehicle static storage, or used as roadways. Vegetation used by wildlife would not be directly impacted by training or support activities as these activities will continue to be conducted on mowed grass. Wildlife that is disturbed by demolition and construction activities would temporarily leave the area and would return when the Proposed Action is complete.

The dune and beach portions of the site may provide suitable habitat for the Federally-threatened piping plover (*Charadrius melodus*). The Proposed Action will not take place in close proximity to piping plover nesting and foraging habitat, or any other beach nesting bird habitat, so direct contact with the species and its habitat will not occur. Temporary noise disturbance will not appreciably disrupt the foraging and nesting behavior of beach nesting bird species as the surrounding area is currently developed and exhibits ongoing ambient noise disturbances similar to the Proposed Action. The United States Fish & Wildlife Service (USFWS) concurred with this determination, per project scoping correspondences available in Appendix B. Similarly, other State-protected beach nesting bird species (listed below) that might utilize the site will not be adversely impacted by the Proposed Action.

Impacts to other protected and potentially vulnerable wildlife can be alleviated by:

- Reducing the area of vegetation to be disturbed whenever practicable; and
- Maintaining a buffer between the Proposed Action areas and remaining on-Post habitats.

No activities proposed to be implemented in the Proposed Action are expected to be of the type or within proximity to adversely impact protected species or their habitat. Impacts would be the same for general commercial style building construction, would occur within central pre-developed locations of Sea Girt NGTC, and are those which would not incur disturbance or takings of avian species covered under the Migratory Bird Treaty Act. Thus, potential adverse impacts would be short-term and not significant because most construction/demolition would occur in already disturbed areas (existing buildings, vehicle storage, roads) or habitat of low value (mowed grass). Additionally, construction/demolition activities would avoid essential habitat for listed species that has been designated as off-limits to human disturbance.

Table 5-2 summarizes the effects determinations for imperiled species in New Jersey, as required by the 10 June 2011 ARNG-ILE Memorandum, Endangered Species Act Compliance and National Environmental Policy Act Documentation. Information is from plant and wildlife surveys and monitoring done at Sea Girt NGTC from 2007 through 2010.

Table 5-2 – Potentially vulnerable species located on site

Common Name (Scientific Name)	Status	Location & Activity	Year Observed	Effect?
Piping Plover (<i>Charadrius melodus</i>)	FT, SE	Nesting and foraging in northern protection area	2007-2010	Not likely to adversely effect
Roseate Tern (<i>Sterna dougalii</i>)	FE	Foraging near NGTC beach	2007	Not likely to adversely effect
Bald Eagle (<i>Haliaeetus leucocephalus</i>)	SE – breeding; ST – nonbreeding	Flying over SBA; By Wreck Pond and the Wreck Pond Watershed Association	2009-2010	Not likely to adversely effect
Peregrine Falcon (<i>Falco peregrines</i>)	SE –breeding	Flying over NGTC beach and NPA; Foraging over Wreck Pond	2008-2010	Not likely to adversely effect
Northern Harrier (<i>Circus cyaneus</i>)	SE – breeding	Flying over NGTC; Foraging in secondary dunes and SBA	2007-2010	Not likely to adversely effect
Short-Eared Owl (<i>Asio flammeus</i>)	SE – breeding	Resting in and flying over NPA	2010	Not likely to adversely effect
Least Tern (<i>Sternula</i>)	SE	Resting in the NPA and SPA; Foraging over Stockton Lake;	2007-2010	Not likely to adversely

<i>antillarum</i>)		Passing over NGTC		effect
American Kestrel (<i>Falco sparverius</i>)	ST	Foraging in fields and dunes	2010	Not likely to adversely effect
Osprey (<i>Pandio haliaetus</i>)	ST – breeding	Nesting on the cellular tower west of Project area; Foraging in Stockton Lake, NPA, and SPA; By Wreck Pond Watershed	2007-2010	Not likely to adversely effect
Yellow-Crowned Night Heron (<i>Nyctanassa violacea</i>)	ST – breeding	Foraging in Stockton Lake	2009	Not likely to adversely effect
Horned Lark (<i>Eremophila alpestris</i>)	ST – breeding	Foraging and resting in fields west of secondary dune	2009-2010	Not likely to adversely effect
Cooper’s Hawk (<i>Accipiter cooperii</i>)	ST	Flying and foraging over SBA and fields;	2007; 2009-2010	Not likely to adversely effect
American Oystercatcher (<i>Haematopus palliatus</i>)	SC	Flying over NGTC beach, NPA, Stockton Lake, and fields;	2009-2010	Not likely to adversely effect
Common Tern (<i>Sterna hirundo</i>)	SC – breeding	Flying over NGTC beach and Stockton Lake (no breeding on-site)	2009-2010	Not likely to adversely effect
Snowy Egret (<i>Egretta thula</i>)	SC – breeding	Foraging at Stockton Lake	2009	Not likely to adversely effect
Spotted Sandpiper (<i>Actitis macularia/macul aria</i>)	SC – breeding	Foraging at Stockton Lake	2009	Not likely to adversely effect
Semipalmated Sandpiper (<i>Calidris pusilla</i>)	SC – nonbreeding	Foraging at NGTC beach	2009	Not likely to adversely effect
Sanderling (<i>Calidris alba/Crocethia alba</i>)	SC – nonbreeding	Foraging at NGTC beach	2009-2010	Not likely to adversely effect
Fowler’s Toad	SC	SPA, parking lot by secondary	2007;	Not likely to

<i>(Bufo fowleri)</i>		dune	2010	adversely effect
Sources: Rare Species Monitoring Services Report (ASGEC 2008); Unpublished data from avian studies (USACE 2009,2010 [unpublished]) FT – Federally Threatened FE – Federally Endangered SE – State Endangered ST – State Threatened SC- State Species of Special Concern NPA – North Protected Area SPA – South Protected Area SBA – Southern Beach Area				

The following special status species were not found to be present at Sea Girt NGTC between 2007 and 2010, and therefore their effects determinations are “No Species Present.”

- Birds: American bittern; northern goshawk; pied-billed grebe; red-shouldered hawk; red knot; black rail; upland sandpiper; loggerhead shrike; black skimmer; Henslow’s sparrow; vesper sparrow; golden-winged warbler; bobolink; cattle egret; black-crowned night heron; barred owl; long-eared owl; grasshopper sparrow; red-headed woodpecker; black-throated blue warbler; black-throated green warbler; blue-headed vireo; broad-winged hawk; brown thrasher; Canada warbler; Caspian tern; cerulean warbler; cliff swallow; common nighthawk; eastern meadowlark; glossy ibis; gray-cheeked thrush; great blue heron; gull-billed tern; hooded warbler; Ipswich sparrow; Kentucky warbler; least bittern; least flycatcher; little blue heron; Nashville warbler; northern parula; salt marsh sparrow; sharp-shinned hawk; tricolored heron; veery; whimbrel; whip-poor-will; winter wren; wood thrush; worm-eating warbler; yellow-breasted chat.
- Reptiles: timber rattlesnake; corn snake; queen snake; bog turtle; Atlantic hawksbill; Atlantic leatherback; Atlantic loggerhead; Atlantic ridley; northern pine snake; Atlantic green turtle; wood turtle; eastern box turtle; eastern king snake; northern copperhead snake; spotted turtle.
- Amphibians: blue-spotted salamander; eastern-tiger salamander; southern gray tree frog; eastern mud salamander; long-tailed salamander; pine barrens tree frog; Fowler’s toad; carpenter frog; Jefferson salamander; marbled salamander; northern spring salamander.
- Mammals: Indiana bat; bobcat; north Atlantic right whale; blue whale; fin whale; humpback whale; sei whale; sperm whale; Allegheny woodrat.
- Fish: shortnose sturgeon.

5.7.3.2 Effects of the No Action Alternative

Under the No Action Alternative, no MILCON activities would occur on Sea Girt NGTC; therefore, no impacts to habitat or health of wildlife would occur.

5.8 Cultural Resources

The NEPA and the National Historic Preservation Act (NHPA) require assessment of impacts of Federal and National Guard projects on important cultural resources, defined as those that meet the criteria for listing on the National Register of Historic Places. Additionally, DoDI 4710.02 (2006) requires consultation with Federally-recognized tribes when a proposed action may potentially have a significant impact on tribal resources, rights, or lands. The assessment of impacts to cultural resources centers on the significance of the resource itself, and whether or not a significant impact on the resource would occur. Seven (7) Native American Tribal representatives were consulted via formal letters submitted by the NJARNG, dated 8 April 2014, 3 June 2014, and 8 July 2014. Three (3) tribes responded with no concerns regarding the Proposed Action and those three (3) tribes requested to be notified of any inadvertent discoveries related to the Proposed Action.

5.8.1 Effects of the Proposed Action

Potential impacts involving historic resources related to the Proposed Action are not anticipated to occur, as these resources are not known to be present within the proposed project area (see Section 4.8). However, historical artifacts were discovered nearby the proposed project area. As such, should historical or cultural resources be discovered during demolition and construction, Federal, State, and local requirements and regulations would be followed. Quarters One is eligible for listing but no actions are proposed at or directly adjacent to this structure under the Proposed Action.

Adverse impacts to historic buildings are not expected under the Proposed Action. Between 2004 and 2013, Phase 1A, Phase 1B, and Phase 2 archaeological and cultural resource studies were conducted at Sea Girt NGTC. These studies found no significant cultural resources or archaeologically sensitive sites in the Proposed Action project area (AECOM 2013b; HDR, 2013). Implementation of the Proposed Action at Sea Girt NGTC would have no significant impacts on these resources. In a 2 April 2015 letter, NJSHPO advised that the Proposed Action will not have an adverse effect on cultural resources at the site (Appendix B).

Should an artifact be discovered during construction activities, the NJSHPO and established tribal contacts would be notified in accordance with the SOP and the NJARNG Integrated Cultural Resource Management Plan (NJARNG, 2006a).

5.8.2 Effects of the No Action Alternative

There would be no significant adverse impacts to cultural associated with this alternative.

5.9 Socioeconomics

Impacts resulting from the Proposed Action should be assessed to determine affects to local and regional socioeconomics, including but not limited to availability of local shopping opportunities, commuting time, sense of local community, schools, housing availability and affordability, recreational opportunities, and human health.

5.9.1 Effects of the Proposed Action

The Proposed Action would require the phased and periodic influx of local and regional contractor and construction personnel into the Borough of Sea Girt and the immediate Sea Girt NGTC area. These actions would provide direct benefit to the Boroughs of Sea Girt and Manasquan through temporary employment for both skilled and unskilled local workers. Out of town construction workers and trades people would have lodging needs and would frequent local motels and hotels in the area. The periodic influx of construction workers would also bring increased utilization of local community shops and businesses through increased patronage of restaurants, gas stations and associated services, providing increased revenue to local vendors. Local business operation would not be interrupted as a result of the Proposed Action.

Under the Proposed Action, no long term impact to existing housing would occur because the Proposed Action is a one-for-one facility replacement. The Proposed Action would provide facilities that better serve the existing NGTC. Under the Proposed Action, recreational activities on-Post would be temporarily disrupted in some areas, but these resources would be returned after construction and demolition. The Proposed Action would have no impact to off-site recreational activities because the Proposed Action is limited to within the site. After project completion, newly constructed NJARNG facilities would provide for a significant quality of life improvement and occupational health and safety enhancements for personnel working on the installation.

Demolition and construction has the potential to adversely impact the health of military and civilian personnel working and/or training immediately near construction areas. These impacts would be significant if they cause long-term, chronic health problems or loss of life. Additionally, threat of life due to personal injury through common construction site accidents can be considered under this section. Extraordinary threats to life due to personal injury are not expected; however common construction site accidents are possible, as they would be for any

other commercial-type construction. A site specific Human Health and Safety Plan would be implemented to identify site risks, personal protective equipment, and standard operating procedures in case of emergency. The Army has developed personnel protection policies as part of established Risk Management Procedures (U.S. Army TC 34-12). The greatest risk would be assumed by crews working on demolition and construction of the Proposed Action. Refer to Section 5.12 for more information on potential hazardous material exposure as a result of the Proposed Action. Section 4.0 identifies potential hazardous materials throughout the entire site.

As discussed in Section 4.9, the NJARNG would be required to limit human health impacts in areas used by or adjacent to civilian personnel and the public. Sea Girt NGTC would implement procedures to ensure that the Proposed Action does not impact the general public. This could include:

- Informing the public and municipal officials of the general location and nature of unusual or extended construction or training exercises at Sea Girt NGTC;
- Notification of local authorities in the event of an on-Post incident; and
- Maintaining a closed installation unauthorized non-military personnel during certain construction or training exercises.

No surface sources exist for the supply of public drinking water near Sea Girt NGTC. In order to minimize potential contact with public or private groundwater drinking water supplies, no hazardous or non-biodegradable materials would be allowed to reach drainage ways, groundwater, or off-site surface water bodies, except as described in Section 5.12. The Proposed Action would have no adverse impacts on the public drinking water supplies in the immediate Sea Girt NGTC area.

No children live directly on Sea Girt NGTC. A large number of residences are present along the northern and southern fence lines and children do reside at many of those locations. Additionally, children are present seasonally at day camps, the soccer fields during leased use, and at the beach and campgrounds when on Sea Girt NGTC with their families. Children do have access to the installation when they are attending family recreational activities in the campground and the beach. Sea Girt NGTC rules require that adults attend children at all times when on-Post. Children and members of the public would not have access to the construction area. There are no schools at Sea Girt NGTC. The Proposed Action is a one-for-one building replacement and will not directly or indirectly impact off-Post schools. The Proposed Action will take place within a restricted access perimeter fence line, during normal working hours. Demolition and construction would all be short-term in duration and would take place away from off-Post residences containing children.

There would be no significant adverse impacts to children living near the perimeter, attending Sea Girt NGTC Day Camps, participating in family recreational activities at the campground or beach, or while using the athletic fields, under the Proposed Action. Under the Proposed Action, the number of children enrolled in local schools may increase slightly with the small increase of Sea Girt NGTC stationed personnel. Any increase in child school enrollment as a result of additional Sea Girt NGTC personnel would be minimal (< 10-20 families) and would not provide a negative impact to school district resources as increases in Sea Girt NGTC personnel would be temporary during training activities.

5.9.2 Effects of No Action Alternative

Under the No Action Alternative, MILCON activities would not occur; therefore, no impacts would result beyond those associated with existing conditions in the community.

Existing human health-related hazards (pests, lead paint, asbestos, and fire hazards) would continue to exist related to the presence of multiple derelict structures now on Sea Girt NGTC.

5.10 Environmental Justice

Executive Order 12898 requires that federal agencies address the environmental justice of their actions on minority populations and on low-income populations. This Executive Order makes it part of any federal agency's mission to identify and address its program's health and environmental effects that are disproportionately high for such populations. In 2008, the Borough of Sea Girt had a poverty rate of 3.5 percent. As a large proportion of the surrounding housing is seasonal shore housing, there are currently no low income or minority populations known to reside along the perimeter of Sea Girt NGTC.

5.10.1 Effects of the Proposed Action

Training activities would occur within the fenced installation boundaries at Sea Girt NGTC and would not occur within the surrounding community. Additionally, under the Proposed Action, demolition and construction activities would be conducted in a manner that would minimize environmental and health impacts to civilians outside the installation boundary. The implementation of the Proposed Action would not result in disproportionately high and adverse human health or environmental effects on minority populations and/or low-income populations as these populations do not exist near Sea Girt NGTC.

5.10.2 Effects of No Action Alternative

Under the No Action Alternative, MILCON activities would not occur at Sea Girt NGTC. Thus, there would be no impacts to environmental justice conditions beyond existing conditions under this alternative.

5.11 Infrastructure

Impacts on roadways, rail and utilities are considered significant if an action creates deterioration in traffic operations or public roads are closed for substantial periods of time due to construction, demolition, or training activities, passing rail traffic is disrupted or existing utility services outside the installation are interrupted. During various phased upgrade activities of infrastructure, temporary disruptions within the Sea Girt NGTC would occur.

5.11.1 Effects of the Proposed Action

Adverse impacts to traffic on Sea Girt NGTC and the region as a result of the implementation of the Proposed Action would be short-term. Increases in traffic during peak activities related primarily to demolition and construction activities would occur; construction crew members would be travelling to and from the Sea Girt NGTC on a daily basis and the number of additional vehicle trips would vary depending on the phase of construction/demolition.

Since the Proposed Action is a one-for-one building replacement, the number of personnel and trainees accessing the site pre-Sandy would be similar to the number of personnel and trainees accessing the site post-construction and with the same frequency since course schedules would not change drastically. The Proposed Action intends to increase capacity for on-Post operations, but the increase in the number of personnel and trainees accessing the site at any one time would be negligible to the surrounding community. Therefore, the overall number of NJARNG military vehicles moving on and off Sea Girt NGTC is expected to follow existing fluctuation patterns based on normal unit turn in and heavy maintenance patterns.

Annual and semi-annual training operations would create temporary increases to off-Post traffic as personal vehicles of training session attendees would move in and out of the Borough area; this would be no different than current conditions. Thus, increased traffic loads resulting from implementation and operation of the Proposed Action would remain short term and sporadic.

Associated paving, special demolition and, construction hazards may require temporary road closures and rerouting of installation traffic patterns during these activities. These closures and change of patterns should have no impact on off-installation traffic. The modification of existing utilities for new construction hook-ups should not lead to power outages, water supply, or

communication disruptions on Sea Girt NGTC. Any work on these individual systems would be conducted in a phased manner and would have no impacts on utilities off-Post. During certain infrastructure activities, Sea Girt NGTC operations might be suspended due to temporary cessation of water, sewer, or power to certain areas of the site. Prior staff planning can provide for temporary cessation or even relocation to other on-Post areas to limit mission disruption.

Implementation of the Proposed Action would have a less than significant effect on use of airspace and helicopter operations. Use of tall boom cranes during building construction could negatively impact (vertical intrusion) nearby helicopter approaches to the landing pad and would require boom tip flagging and coordination with NJARNG, USCG, and NJSP aviation officials to maintain helicopter operational safety. Earth moving activities during high wind weather conditions may create clouds of fugitive dust, which could cause minor visual obstructions to incoming and outgoing helicopter flights. Any high-level crane operations that could potentially influence helicopter flights would require coordination with USCG, NJSP and, NJARNG flight operations. Earthmoving operations during high or westbound winds would require dust reduction BMPs and/or temporary cessation of these activities until adverse weather conditions abate.

5.11.2 Effects of No Action Alternative

Under the No Action Alternative, MILCON activities would not occur and infrastructure and utilities would remain in place or currently under upgrade.

5.12 Hazardous and Toxic Waste Materials and Accidental Spills

Significant adverse effects would result in unacceptable risks to human health and/or the environment, and/or violation of Federal, state, or local laws or regulations relevant to the transportation, storage, handling, use, or disposal of hazardous materials.

5.12.1 Effects of the Proposed Action

The accidental spillage of hazardous materials may occur during storage, handling, transportation, and use of these materials. Storage containers holding these materials would be stored in accordance with Federal, State, and NJARNG SOPs. If fuel or POL storage containers cannot be reused, they would be handled and disposed of properly in accordance with NJARNG SOPs. Any spills of liquid materials would be confined and removed through deployment of a fuel, POL, and hazardous material spill kit in accordance with the existing Sea Girt NGTC spill plan and NJARNG SOPs. The potential for adverse impacts from spills of fuels and oil during storage, transport, and use would be similar to existing conditions because the materials of

greatest concern for spills are currently being used on-Post. Potential adverse impacts to the environment would be minimized by following the abovementioned SOPs.

Excavation activities may unearth contaminated groundwater referenced in Section 4.12 (“Affected Environment”) of this EA. During demolition and construction activities soil and groundwater remediation would be conducted as required and contaminated media from existing areas of concern would be excavated as needed. The PCA identified areas of concern, including the White Swan contaminated groundwater plume (Kleinfelder, 2013). In response to these concerns, NJARNG approved a dewatering plan consistent with Federal and State regulations (Appendix J). Contaminated groundwater will be disposed of in a manner that does not endanger public health and safety and complies with all applicable regulations. In addition, the Proponent retained a contractor to design a Vapor Intrusion (VI) system for the proposed buildings, which will mitigate potential air quality issues resulting from groundwater contamination and associated vapor (Appendix C).

Demolition of existing buildings might expose asbestos containing building materials, lead-based paint, PCB-containing light ballasts, and/or other hazardous wastes. All hazardous materials will be assessed, removed, transported by a licensed hazardous waste hauler, and disposed of in accordance with applicable Federal, State, and local regulations.

Lead is currently present in the small arms training areas of Sea Girt NGTC as a result of live fire training; however, the Proposed Action will not impact that area.

5.12.2 Effects of No Action Alternative

Sea Girt NGTC and NJSP operations currently require low to moderate volume storage of various hazardous and toxic materials, fuels, and POLs. Under the No Action Alternative, no MILCON activities would occur at Sea Girt NGTC; therefore, no impacts beyond those related to existing on-Post hazardous materials management would occur. Currently, hazardous materials and wastes are stored in various segregated locations at Sea Girt NGTC (AECOM, 2014a).

5.13 Mitigation Measures/Best Management Practices (BMPs)

No significant adverse environmental impacts would occur as a result of the Proposed Action; therefore, no NEPA mitigation measures would be required. A precautionary passive VI system will be installed in each new building. The system will have the built-in option to become an active VI mitigation system, if necessary. Adverse impacts would be due to construction and demolition and would be mostly short-term and insignificant. Several BMPs would be

implemented to minimize any of these impacts on the environment and/or human health. The following measures may be appropriate for several environmental and socioeconomic impacts:

- Minimizing impacts by limiting the degree of magnitude of the action and its implementation;
- Reducing or eliminating the impact over time through use of preservation and maintenance operations during the life of the action;
- Rectifying the impact by repairing, rehabilitating, or restoring the affected environment; and/or
- Compensating for the impact by replacing or providing substitute resources.

Detailed BMPs include: implementation of NJDEP and NJDOT soil and storm water BMPs (erosion control mats, temporary vegetation, vegetated buffer strips, silt fences, hay bales, retention and detention basins); establishing health and safety and impact control plans during activities that may impact surrounding properties, civilian, NJARNG and contractor personnel; limiting demolition, construction and noise generating training and activities to daytime hours; using dust and noise control measures during activities where these issues are found to impact neighboring properties; prompting removal of all demolition debris from the site with restoration of site vegetation as soon as practicable; providing for adherence to local, state and federal codes and regulations during demolition, construction and training activities; providing construction traffic controls; obtain required permits and approvals from regulatory agencies (as discussed in Section 1.7 and Table 1-1); requiring contractors to maintain construction equipment in proper condition to minimize unnecessary emissions; maintaining buffer zones around areas known to contain listed bird species; following the 2006 ICRMP SOPs and inadvertent discovery rules for potential artifacts uncovered during construction; carrying out any soil cleanups in accordance with regulations; managing on-Post water resources in accordance with regulations; and ensuring coordination with municipal officials to minimize impacts to Sea Girt NGTC neighbors and surroundings. The NJDEP CAFRA permit to perform the Proposed Action also lists specific management measures to reduce adverse environmental impacts, including:

- There shall be no disturbance to wetlands located on-site;
- All excavation shall be monitored for the presence of acid-producing soil deposits and if such deposits are encountered, the permittee shall adhere to the mitigation and disposal standards outlined in the State of New Jersey Flood Hazard Area Technical Manual, including reestablishment of vegetation;
- Storm water management measures shall be maintained in effective operation;
- All sewage generating structures on the site shall be found consistent with the appropriate Area-wide Water Quality Management Plan;
- Alterations to the approved storm water management design shall be reviewed and approved by NJDEP;

- The regulated activities must be performed in accordance with the Standards for Soil Erosion and Sediment in New Jersey (N.J.A.C. 2:90);
- Prior to construction, structures proposed for demolition (including trees), modification, or reconstruction must be surveyed for kestrel nests and/or breeding activity during the breeding season (March 15 through August 15); and if same is discovered, then restriction of those activities must be observed through breeding season and mitigation for lost nests must be implemented;
- If a nearby osprey nest site is occupied by April 15, no demolition or heavy machinery/equipment shall be used between April 15 and August 31;
- If a geodetic control reference marker is found on-site and cannot be protected, the permittee shall contact NJDEP to relocate the marker;
- All debris, wood, trash, and other loose materials shall be discarded and legally disposed of offsite and no debris shall enter or remain in the water;
- Plastic under landscaped or gravel areas is prohibited;
- All fill shall be clean and free of toxins; and
- The proposed structures shall comply with the elevation and flood proofing requirements of the National Insurance Program regulations.

5.13.1 Finding of No Practical Alternative

Pursuant to NEPA, as amended (42 United States Code [U.S.C.] Section 4321-4347); the CEQ's Regulations for Implementing the Procedural Provisions of NEPA (40 CFR Parts 1500-1508); the Army National Guard Manual for Compliance with the National Environmental Policy Act of 1969 (NEPA Handbook October 2011 edition), and Executive Order 11988 – Floodplain Management, there is no better practical alternative to address the purpose and need for action than the Proposed Action, which includes all practical measures to minimize harm to the floodplain and other sensitive environments. No wetlands will be impacted by the Proposed Action.

5.14 Cumulative Effects

CEQ regulations (40 CFR 1508.7) define cumulative effects as “the impact on the environment which results from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (federal or non-federal) or person undertakes such other actions.”

Past actions have changed the environmental conditions of the site from native maritime forest and dunes, to colonial homestead, to NJARNG training facility. The region of influence includes the Borough of Sea Girt and the nearby portions of the Borough of Manasquan. The subject property is within sight of both municipalities and both municipalities are within auditory range

of relatively loud noises. The region of influence developed over time from native maritime forest and dunes, to scattered colonial homesteads, to scattered residential properties, to dense residential and commercial properties along the same timeline as the Sea Girt NGTC.

There are ecologically valuable habitats in the easternmost portion of the site, including coastal dune and wetland habitat. There is a culturally valuable area in the western portion of the site. Present actions on the site indicate that the NJARNG will continue to operate the Sea Girt NGTC and replace deteriorated buildings at the end of their useable life. Present and foreseeable actions, as presented in the Sea Girt NGTC Master Plan, indicate facility-wide upgrades and expansion within the currently disturbed areas on-Post. For instance, the new RTI building is currently being constructed on the site and a replacement militia museum for the museum damaged during Superstorm Sandy is currently proposed for the site. (An EA for the militia museum is pending and has not been released to the public as of the date of this EA's publication.) If all three projects occur at the same time, soil erosion would have a greater potential cumulative impact than the Proposed Action alone; however, management measures will control soil erosion to diminish the potential impacts. Other NEPA documents prepared for the site, including the RTI EA and the Master Plan PEA, did not identify significant adverse impacts to the site or surrounding area, as a result of development on the subject property.

According to the Borough of Sea Girt's Council Meeting Minutes and the Borough of Manasquan's Council Meeting Minutes from March 2015, April 2015, and May 2015, several projects are ongoing or proposed to begin in the near future (12-24 months), including:

- Crescent Park Preservation and Investment Project to improve the environmental quality of the public open space;
- Stockton Boulevard (Sea Girt) Utility Improvements;
- Baltimore Boulevard (Sea Girt) Utility Improvements;
- Sea Girt Avenue (Sea Girt and Manasquan) Outfall and Drainage Improvements;
- First Avenue (Sea Girt) Outfall and Drainage Improvements;
- Installation of an Emergency Generator at the Sea Girt Public Works Facility; and
- Jersey Central Power and Light (JCPL) Stockton Substation Flood Mitigation Planning Project (Sea Girt).

The utility (water and sewer service lines) and outfall and drainage improvement projects will have the greatest cumulative impact on local traffic patterns. Proposed Action will be conducted on the Sea Girt NGTC property and will not create impediments to traffic directly; however, access to the site might be periodically delayed during municipal improvement activities. The emergency generator proposed for installation at the Sea Girt Public Works Facility will be used on an emergency basis and will not significantly increase the cumulative impacts to air quality or noise disturbance. The JCPL Substation Flood Mitigation Planning Project involves specific

flood-proofing improvements to their substation, including protective subfloors, and will not significantly increase the cumulative impacts to the surrounding region of influence. The Crescent Park Preservation and Investment Project will improve environmental quality in the area. The Borough of Sea Girt and the Borough of Manasquan were notified of the Proposed Action and solicited for comments during the project scoping phase of this EA. The Proponent did not receive responses from these Boroughs.

The surrounding community is built out and will continue to operate as a residential and commercial beach community for the foreseeable future. As a result of Superstorm Sandy, several single family homes in the area have been lifted and in some cases replaced.

This EA provides a thorough scoping of the environment potentially affected by the Proposed Action (Section 4.0). Section 5.0 of this EA examines potential impacts to the environment resulting from the Proposed Action. No disturbance to ecologically or culturally sensitive areas is proposed. Adequate management measures will be implemented to moderate the minor impacts resulting from the Proposed Action, as described throughout Section 5.0 of this EA, including short-term disturbance from construction and demolition activities. Potential projects nearby will also be managed to diminish the potential impacts resulting from the respective projects, per applicable regulations. The Proposed Action does not have a significant impact on the environment under current or foreseeable conditions.

6 Comparison of Alternatives & Conclusions

6.1 Comparison of the Environmental Consequences of the Alternatives

This Section describes the environmental consequences for the following two alternatives:

- **Proposed Action.** The Proposed Action is to implement the Preferred Alternative. The Proposed Action provides for complete demolition of five existing buildings and partial demolition of two buildings that are currently partially demolished. Buildings proposed for demolition are being replaced because they are outdated, substandard, underused structures, and particularly damaged by Superstorm Sandy. One-for-one replacement facilities will result from construction of the GIB, MED, FMS, EHMS, and PPB, including upgrades of supporting infrastructure (i.e. parking lots and utility connections).
- **The No Action Alternative.** Existing buildings damaged by Superstorm Sandy, and proposed for replacement, would remain outdated, substandard, and underused structures. As such conditions would remain as they currently exist at Sea Girt NGTC, which would adversely impact operational efficiency and the capacity for NJARNG to carry out its mission.

These two alternatives were developed to respond to the various issues raised during initial scoping and while meeting the Purpose and Need described in Section 1.0. A graphic matrix was developed which shows the overall effects of the alternatives on each resource as described in Section 5.0. The matrix is presented as Table 6-1.

Table 6-1 Summary of Consequences for Implementation of the Proposed Alternatives

Affected Environment	Alternatives		Time-Frame of Adverse Impacts
	Proposed Action	No Action	
LAND USE AND TRAINING			
Potential effects on existing land uses	●	●	Long-term
AIR QUALITY			
Exceedance of regulatory thresholds at an installation	●	○	Short-term
NOISE AND DISTURBANCE			
Potential impacts to military personnel	●	○	Short-term
Potential impacts to civilian residents near Post	●	○	Short-term
Potential disturbance to wildlife activities and habitat use	●	○	Short-term
TOPOGRAPHY, GEOLOGY, SOIL			
Loss of soil due to erosion	●	○	Short-term
Loss of soil productivity	○	○	
WATER RESOURCES AND WETLANDS			
Increase in sediment load in surface water resources	○	○	
Potential impacts to wetlands	○	○	
Accidental spill into aquatic bodies	●	○	Short-term
VEGETATION			
Potential impacts to plant productivity and health	○	○	
Potential impacts to endangered and threatened plants	○	○	
AQUATIC RESOURCES AND FISH			
Potential loss of fish and fish habitat	○	○	
Potential impacts to endangered and threatened fish	○	○	
○= No adverse/beneficial impact ●= Insignificant impact ●= Significant impact			

Table 6-1 Summary of Consequences for Implementation of the Proposed Alternatives (cont.)

Affected Environment	Alternatives		Time-Frame of Adverse Impacts
	Proposed Action	No Action	
WILDLIFE			
Potential impacts to wildlife health	●	○	Short-term
Potential impacts to wildlife habitat	○	○	
Potential impacts to endangered and threatened species	●	○	Short-term
CULTURAL RESOURCES			
Potential effects to historic structures	○	○	
Potential effects to Tribal resources	○	○	
Potential effects to archeological resources	○	○	
SOCIOECONOMIC/ENVIRONMENTAL JUSTICE/CHILDREN			
Disproportionate impacts to minority/low-income populations	○	○	
Disproportionate impacts to children	○	○	
Potential effects on recreational activities	○	○	
HUMAN HEALTH			
Impacts to health of NJARNG/NJSP personnel	●	○	Short-term
Effects on health of on-Post personnel and civilians	●	○	Short-term
Potential impacts to health of public	○	○	
Potential impacts to health to children and sensitive People	○	○	
INFRASTRUCTURE			
Potential impacts on installation and off Post roads/ traffic	●	○	Short-term
SOLID, HAZARDOUS, TOXIC WASTE AND SPILLS			
Potential for an accidental spill	●	○	Short-term
Lead impact to range areas	○	○	
Impact from contaminated building materials	●	○	Short-term
Impact from contaminated soil or groundwater	●	○	Short-term
○= No adverse/beneficial impact ●= Insignificant impact ●= Significant impact			

6.2 Conclusions

The No Action Alternative does not meet the purpose and need for the project identified in Section 1.2, which includes proving capacity to support the NJARNG mission. In addition, buildings in disrepair would occupy valuable land space that the installment needs to fulfill its operational mission.

The Proposed Action would involve the construction of a GIB/MED collocated structure, EHMS/FMS collocated structure, PPB, and supporting parking infrastructure and utility connections. In addition, the Proposed Action provides for complete demolition of five existing buildings and partial demolition of two buildings that are currently partially demolished.

The Proposed Action takes advantage of shared services and facilities while using less space to accomplish increased operational efficiency. Demolishing the buildings scheduled to be replaced by the collocated structures will eliminate a human health and safety hazard and create new green space.

The Proposed Action would implement components of the 2010 Master Plan and allow the greatest capacity to meet the NJANRG and Sea Girt NGTC's mission objectives and fulfill training needs while minimizing impacts on the environment.

Implementing the Proposed Action would provide for continuation of service to the existing full-time 30 NJARNG and 175 State law enforcement personnel and accommodate temporary fluctuations in student populations (currently up to 1,113 NJARNG and NJSP trainees).

Adverse impacts from the Proposed Action would be short-term and insignificant. The No Action Alternative would result in unutilized land occupied by derelict buildings damaged by Superstorm Sandy, which is considered a significant impact to land use and training on-Post.

Under the Proposed Action short-term insignificant impacts would include:

- potential effects on existing land uses;
- potential impacts to air quality;
- potential noise impacts to wildlife, military personnel, and off-installation residents;
- potential loss of soil due to erosion;
- potential for an accidental spills getting into aquatic bodies;
- potential impacts to wildlife health and threatened and endangered species;
- potential health impacts to on-Post personnel and civilians;
- potential impacts to installation and off-installation roads and traffic; and
- potential impacts of contaminated building materials, soil, and/or groundwater.

These potential impacts would be associated with short-term activities, such as building demolition and construction, which would be moderated by management measures. The

potential impacts would be similar in nature to those regularly experienced during commercial construction projects. Best Management Practices would be implemented during demolition and construction activities, regulatory permits would be or have been acquired, operations would comply with Federal, State, and local regulations, and NJARNG standard operating procedures would be followed. In addition, the Proposed Action is not located within areas of ecological or cultural sensitivity.

A Finding of No Significant Impact (FNSI) has been determined to be the appropriate decision based on the evaluation of environmental, socioeconomic, and cultural impacts conducted for this EA.

7 References

- 42 U.S.C. 4321 et seq. (Public Law 91-190). National Environmental Policy Act of 1969.
- 16 U.S.C. 1531 et seq. (Public Law 93-205). Endangered Species Act of 1973.
- 32 CFR 651. “Environmental Analysis of Army Actions”.
- 36 CFR 79. “Curation of Federally Owned and Administered Collections”.
- 40 CFR 61.145-61.155. “National Emission Standard for Asbestos”.
- 40 CFR Part 51. “Requirements for Preparation, Adoption, and Submittal of Implementation Plans”.
- 40 CFR 93.153. “Applicability of General Conformity Rule”.
- 40 CFR 302.4. “Designation of Hazardous Substances”.
- 40 CFR 1500-1508. Council on Environmental Quality Regulations for “Implementing the Procedural Provisions of NEPA”.
- 42 FR 26971, 3 CFR, 1977 Comp., p. 117, Executive Order 11988. “Floodplain Management”.
- AECOM. 2013a. *Environmental Assessment for Regional Training Institute Construction and Updates for the New Jersey Army National Guard*. July 2013. Prepared for United States Army Corps of Engineers.
- AECOM. 2013b. *Programmatic Environmental Assessment, Master Plan Implementation, Sea Girt National Guard Training Center, New Jersey Army National Guard, Sea Girt, Monmouth County, New Jersey and Finding of No Significant Impact (FNSI), Master Plan Implementation, Sea Girt National Guard Training Center, New Jersey Army National Guard, Monmouth County, New Jersey*. May 28, 2013.
- AMEC Earth and Environmental, Inc. 2007. *Wetland Delineation Report – 25 New Jersey Army National Guard Installations*. 27 November 2007. Prepared for New Jersey Army National Guard.

Amy S. Greene Environmental Consultants, Inc. 2008. *Summary Report for 2007 & 2008 Rare Species Monitoring Services, Sea Girt National Guard Training Center, Sea Girt, Monmouth County, New Jersey*. Prepared for New Jersey Army National Guard.

City-Data. 2012. Accessed in April 2014 at <http://www.city-data.com/city/Sea-Girt-New-Jersey.html>.

Conserve Wildlife Foundation of New Jersey. 2011. <http://www.conservewildlifenj.org/species/fieldguide/>.

Department of the Army. 2007. *Environmental Effects of Army Actions, Army Regulation AR 200-1*. U.S. Army Publications Center, Washington, D.C.

Department of the Army. 2011. *Army National Guard Handbook: Guidance on Preparing Environmental Documentation for Army National Guard Actions in Compliance with the National Environmental Policy Act of 1969*. 2011. Prepared for Army National Guard.

EO 13148. “Greening the Government Through Leadership in Environmental Management”. April 22, 2000.

EO 13175. “Consultation and Coordination with Indian Tribal Governments”. November 6, 2000.

EO 13186. “Responsibilities of Federal Agencies to Protect Migratory Birds”. January 10, 2001.

ESRI 2008. U.S Census Bureau, 2000 Census Data, Sea Girt, NJ.

Federal Emergency Management Agency (FEMA). 2014. Preliminary Flood Insurance Rate Maps (FIRM) for Monmouth County, New Jersey. Released January 31, 2014. Accessed at <http://apps.femadata.com/PreliminaryViewer/>.

Gauderman JW, McConnell R, Gilliland F, London S, Thomas D, Avol H, Vora H, Berhane K, Rappaport EB, Lurmann F, Margolis HG, Peters J. 2000. *Association between Air Pollution and Lung Function Growth in Southern California Children*. American Journal of Respiratory and Critical Care Medicine 162:1383-1390. May.

Gauderman, JW, Gilliland F, Vora H, Avol E, Stram D, McConnell R, Thomas D, Lurmann F, Margolis H, Rappaport E, Berhane K, Peters JM. 2002. *Association between Air Pollution and Lung Function Growth in Southern California Children: Results from a Second Cohort*. American Journal of Respiratory and Critical Care Medicine 166:76-84. July.

Gauderman JW, Avol E, Gilliland F, Vora H, Thomas D, Berhane K, McConnell R, Kuenzli N, Lurmann F, Rappaport E, Margolis H, Bates D, Peters JM. 2004. *The Effect of Air*

Pollution on Lung Development from 10 to 18 Years of Age. The New England Journal of Medicine 351:1057-1067. September.

Google Earth. 2013. Imagery date September 6, 2013. Accessed via www.google.com.

HDR Environmental, Operations and Construction, Inc. 2013. *Phase II Archaeological Investigation of Site 28-Mo-407 at the New Jersey Army National Guard Sea Girt National Guard Training Center Monmouth County, New Jersey*. Prepared for New Jersey Army National Guard. December 2013.

Jacobs Global Building. 2014a. *Sea Girt National Guard Training Center Final Master Plan Prepared for New Jersey Army National Guard*. Prepared February 10, 2010, updated May 15, 2014.

Jacobs Global Buildings. 2014b. *Superstorm Sandy Disaster Response MILCON Projects: Concept Design Charrette Final Report Sea Girt National Guard Training Center, New Jersey Army National Guard, Monmouth County, New Jersey*. Contract No. W90FYQ-09-D-0001. Task Order No. ZK10. Prepared for New Jersey Army National Guard. Revised April 17, 2014.

Kleinfelder East, Inc. 2013. *Pre-Construction Assessment for the Sea Girt National Guard Training Center and Armory*. Prepared for New Jersey Army National Guard. September 17, 2013.

National Oceanographic and Atmospheric Administration (NOAA), 2008. *Waste Site Report – White Swan Laundry and Cleaner Inc*. Online publication, September 2008. http://response.restoration.noaa.gov/book_shelf/1833_White_Swan_Laundry.pdf.

National Oceanographic and Atmospheric Administration (NOAA), 2011. NOAA Fisheries Office of Protected Resources, New Jersey: ESA Section 6 Program. September. Accessed online at <http://www.nmfs.noaa.gov/pr/conservation/states/newjersey.htm>.

National Guard Bureau (NGB). 2011. *ARNG-ILE Memorandum: Endangered Species Act Compliance and National Environmental Policy Act Documentation*. 10 June 2011.

New Jersey Army National Guard (NJARNG). 2006a. *Integrated Cultural Resource Management Plan for Installations of the New Jersey Army National Guard (2005-2009)*. New Jersey Department of Military and Veterans Affairs, NJ Army National Guard, Office of Environmental Compliance. Lawrenceville, New Jersey.

New Jersey Army National Guard (NJARNG). 2006b. *Final Integrated Natural Resources Management Plan (2006-2010)*. New Jersey Department of Military and Veterans Affairs, NJ Army National Guard, Office of Environmental Compliance. Lawrenceville, New Jersey.

- New Jersey Department of Environmental Protection (NJDEP) 2009. *New Jersey Storm Water Best Management Practices Manual*. September. Accessed online at http://www.njstormwater.org/bmp_manual2.htm.
- New Jersey Department of Environmental Protection (NJDEP). 2014a. *New Jersey Geo-Web*. Accessed at <http://www.nj.gov/dep/gis/geoweb splash.htm>.
- New Jersey Department of Environmental Protection (NJDEP). 2014b. *New Jersey Endangered and Nongame Species Program Special Concern- Species Status Listing*. Accessed at <http://www.nj.gov/dep/fgw/ensp/pdf/spcl spp.pdf>.
- New Jersey Department of Environmental Protection (NJDEP). 2014c. *New Jersey's Endangered and Threatened Wildlife*. Accessed at <http://www.nj.gov/dep/fgw/tandespp.htm>.
- New Jersey Department of Environmental Protection (NJDEP). 2014d. *New Jersey Landscape Project 3.1: Wildlife habitat mapping for community land-use planning and species conservation*. Accessed at <http://www.nj.gov/dep/gis/geoweb splash.htm>.
- New Jersey Department of Environmental Protection (NJDEP). 2014e. *New Jersey DataMiner*. Accessed in April 2014 at <http://www.nj.gov/dep/opra/online.html>.
- New Jersey Department of Transportation (NJDOT) 2008. *New Jersey Soil Erosion and Sediment Control Standards Manual*. <http://www.state.nj.us/transportation/eng/documents/SESC/>
- United States Department of Agriculture, Soil Conservation Service. 1958. *Soil Survey for Monmouth County, New Jersey*.
- United States Department of Agriculture, Natural Resource Conservation Service. 2009. *Mapping of Protected Farmlands in New Jersey*.
- U.S. Department of the Army. 2007. *Environmental Impacts Statement for Thompson Hall and Construction Activities in the Cadet Zone, United States Military Academy, West Point, New York*.
- United States Department of Defense (DoD). DoDI 4710.02 "DoD Interactions with Federally-Recognized Tribes". 14 September 2006.
- United States Department of Defense. Department of Defense Directive 5105.77 "National Guard Bureau". 21 May 2008.
- United States Environmental Protection Agency (USEPA). 1982. *Environmental Effects Test Guidelines*. EPA 560/6-82-002, U.S. Environmental Protection Agency, Washington, D.C.

United States Environmental Protection Agency. 2011. *National Ambient Air Quality Standards (NAAQS)*. Accessed online at <http://www.epa.gov/air/criteria.html>.

United States Environmental Protection Agency. 2009. *White Swan Cleaners/Sun Cleaners Area Groundwater Contamination*. Online publication, 10 December 2009.

United States Environmental Protection Agency. 2014. My Property Info. Accessed at <http://www.epa.gov/enviro/html/fii/myproperty.html>.

United States Fish and Wildlife Service (USFWS), 2012. USFWS, New Jersey Field Office, Endangered Species. Accessed online at <http://www.fws.gov/northeast/njfieldoffice/Endangered/index.html>.

8 List of Preparers

This Environmental Assessment has been prepared for the New Jersey Department of Military and Veterans Affairs, Lawrenceville, New Jersey, with assistance from Brinkerhoff Environmental Services, Manasquan, New Jersey, and Medford, New Jersey. Storm water support was provided by Jacobs Global Buildings, Arlington, Virginia. The following personnel contributed to the preparation of this document.

Name	Education	Expertise	Role in EA Preparation
Charles Appleby		Remediation, NEPA, DoD Services, Site Assessment	Senior Review
Laura Brinkerhoff	BS Geology & Geophysics	Remediation, Site Assessment, Natural Resources, Impact Assessment	Senior Review
Jeffrey Coron		NEPA, Report Documentation and Preparation	Senior Review
Glenn Donohue	BS Earth Science	Land Use, Impact Assessment, NEPA, Natural Resources	Project Manager, Reviewer
Joseph Dunleavy, REM		Compliance and Cultural Resources	Reviewer
Karen Ellis		Report Documentation and Preparation	QA/QC
David Everett, AIA		Architecture and Master Planning	Reviewer
William McBride, REM	BS Environmental Science	Air, Natural Resources, Asbestos, Spill, and Remediation	Reviewer
Daniel McLaughlin	BS Environmental Science	Wildlife, Land Use, Natural Resources, NEPA, Site Assessment	Preparation of Report

9 Agencies and Individuals Consulted

Internal Coordination

New Jersey Army National Guard

NJ Division of Military & Veteran Affairs

William McBride, REM	Environmental Protection Specialist
Frank Kirby, REM	Environmental Program Manager, NEPA
Joseph Dunleavy, REM	Environmental Protection Specialist/Cultural Resource Officer
Thomas Comyack	Facilities Management

Sea Girt NGTC, Sea Girt, New Jersey

Brigadier General

Jeffery Pierson (Ret) Director, Sea Girt NGTC

Gary Schmitz Facilities, Sea Girt NGTC

External Coordination

Jacobs Global Buildings

David Everett Sea Girt NGTC Project Manager

Borough of Sea Girt, New Jersey

Police Desk Sergeant

Borough of Manasquan, New Jersey

Police Desk Sergeant

Tribal Consultations

Barry Snyder	Tribal President, Seneca Tribe of Indians
Dr. Brice Obermeyer	Native American Graves Protection and Repatriation Act (NAGPRA) Representative, Delaware Nation of Western Oklahoma

Ray Halbritter	Tribal Representative, Oneida Indian Nation
----------------	---

Chief Jerry Douglas Chief, Delaware Tribe of Indians
Chief Bernie Parker Chief, Tonawanda Band of Seneca

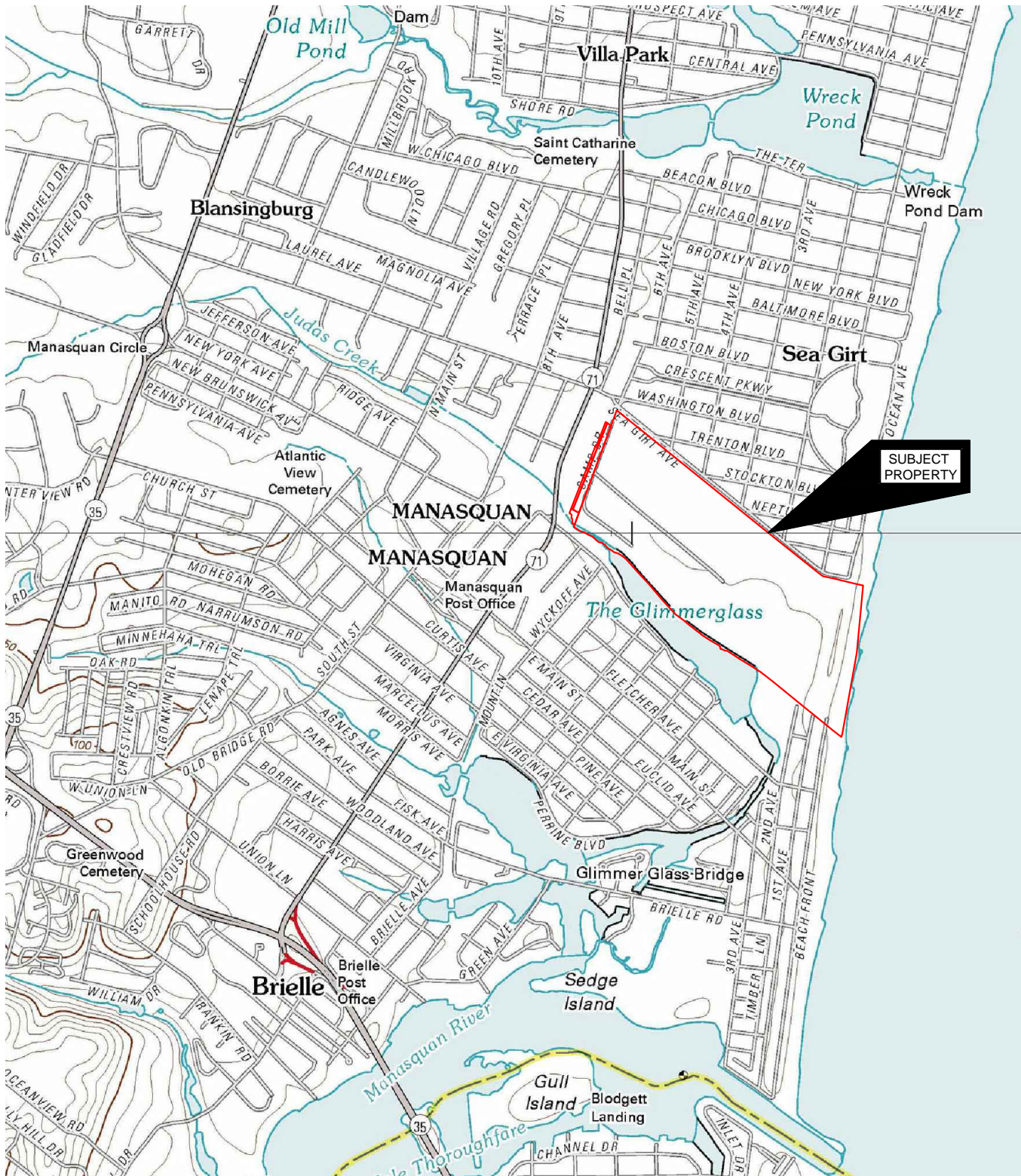
New Jersey Department of Environmental Protection

Herbert A. Lord Data Request Specialist, Division of Parks and Forestry, Office of
Natural Lands Management Natural Heritage Program
Daniel D. Saunders Deputy State Historic Preservation Officer, Natural and Historic
Resources Historic Preservation Office
Dorothy P. Guzzo Deputy State Historic Preservation Officer, Natural and Historic
Resources Historic Preservation Office
Dave Jenkins Endangered and Nongame Species, NJ Division of Fish and
Wildlife

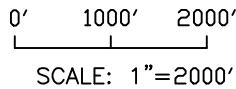
United States Fish and Wildlife Service

J. Eric Davis Jr. Supervisor/Senior Biologist

FIGURES



U.S.G.S. TOPOGRAPHIC ASBURY PARK & POINT PLEASANT, NJ QUADS
 SCALE: 1 : 24,000
 PHOTO REVISED: 2011



SOURCE:
 PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION
 TECHNOLOGY (NJOIT), OFFICE OF GEOGRAPHIC
 INFORMATION SYSTEMS (NGIS)

BRINKERHOFF
 ENVIRONMENTAL SERVICES, INC.

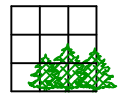


FIGURE 1 - SITE LOCATION MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14	JOB NO.: 13BR253	SCALE: 1" = 2000'
---------------	------------------	-------------------



SUBJECT PROPERTY

54 2

54 2.01

99 1.01

106 1

SOURCE:
 PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION
 TECHNOLOGY (NJGIT), OFFICE OF GEOGRAPHIC
 INFORMATION SYSTEMS (OGIS)

0' 200' 400'
 SCALE: 1"=400'

BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 2 - TAX MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/8/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



SOURCES:
 PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION
 TECHNOLOGY (NJGIT), OFFICE OF GEOGRAPHIC INFORMATION
 SYSTEMS (OGIS)
 AERIAL:
 2012 NJDEP HIGH RESOLUTION ORTHOPHOTOGRAPHY

0' 200' 400'
 SCALE: 1"=400'

BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 3 - AERIAL
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

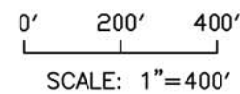
DATE: 10/7/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



LEGEND

- - PARTIALLY DEMOLISHED
- - PROPOSED TO BE BUILT
- - PROPOSED TO BE DEMOLISHED

SOURCE:
 PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION
 TECHNOLOGY (NJOIT), OFFICE OF GEOGRAPHIC
 INFORMATION SYSTEMS (OGIS)



BRINKERHOFF
 ENVIRONMENTAL SERVICES, INC.

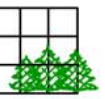


FIGURE 4 - PROPOSED ACTION MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 201, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 6/26/15	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



SOURCES:
 PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION
 TECHNOLOGY (NJGIT), OFFICE OF GEOGRAPHIC INFORMATION
 SYSTEMS (OGIS)
 AERIAL:
 2012 NJDEP HIGH RESOLUTION ORTHOPHOTOGRAPHY

LEGEND
 - PROPOSED TO BE REPAIRED

0' 200' 400'
 SCALE: 1"=400'

BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 5 - ALTERNATIVE 1
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT NATIONAL ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/8/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



SOURCES:
 PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION
 TECHNOLOGY (NJGIT), OFFICE OF GEOGRAPHIC INFORMATION
 SYSTEMS (OGIS)
 AERIAL:
 2012 NJDEP HIGH RESOLUTION ORTHOPHOTOGRAPHY

0' 200' 400'
 SCALE: 1" = 400'

BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 6 - NO ACTION ALTERNATIVE
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



SITE SOILS:

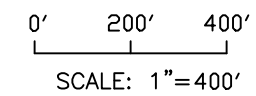
- DouB — Downer-Urban land complex, 0 to 5 percent slopes
- EvuB — Evesboro-Urban land complex, 0 to 5 percent slopes
- HorBr — Hooksan sand, 0 to 5 percent slopes, rarely flooded
- HumAt — Humaquepts, 0 to 3 percent slopes, frequently flooded
- UdaB — Udorthents, 0 to 8 percent slopes
- UdauB — Udorthents-Urban land complex, 0 to 8 percent slopes
- WATER — Water

SOURCES:

SOIL DATA:
 U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE
 PUBLICATION DATE: 12-20-2013
 TITLE: SOIL SURVEY GEOGRAPHIC (SSURGO) DATABASE FOR MONMOUTH COUNTY, NEW JERSEY

PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION TECHNOLOGY (NJGIT), OFFICE OF GEOGRAPHIC INFORMATION SYSTEMS (OGIS)

AERIAL:
 2012 NJDEP HIGH RESOLUTION ORTHOPHOTOGRAPHY



BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 7 - USDA SOIL SURVEY MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



Legend

NATIONAL WETLANDS INVENTORY

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

SOURCES:

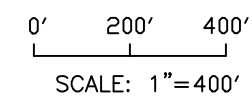
NATIONAL WETLANDS DATA:
 U.S. FISH AND WILDLIFE SERVICE
 DATE: SEPTEMBER 24, 2012

PROPERTY OUTLINE:

MONMOUTH COUNTY NJ OFFICE OF INFORMATION TECHNOLOGY
 (NJOIT), OFFICE OF GEOGRAPHIC INFORMATION SYSTEMS (OGIS)

AERIAL:

2012 NJDEP HIGH RESOLUTION ORTHOPHOTOGRAPHY



BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 8 - NATINAL WETLANDS INVENTORY MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



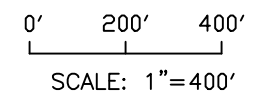
SOURCES:
 NJDEP WETLANDS DATA:
 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP), OFFICE OF INFORMATION RESOURCES MANAGEMENT (OIRM), BUREAU OF GEOGRAPHIC INFORMATION AND ANALYSIS (BGIA)
 DATE: 11-01-1999

PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION TECHNOLOGY (NJGIT), OFFICE OF GEOGRAPHIC INFORMATION SYSTEMS (OGIS)

AERIAL:
 2012 NJDEP HIGH RESOLUTION ORTHOPHOTOGRAPHY

FRESHWATER WETLANDS MAP STATE OF NEW JERSEY
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 POINT PLEASANT NE, & ASBURY PARK SE QUARTERQUAD

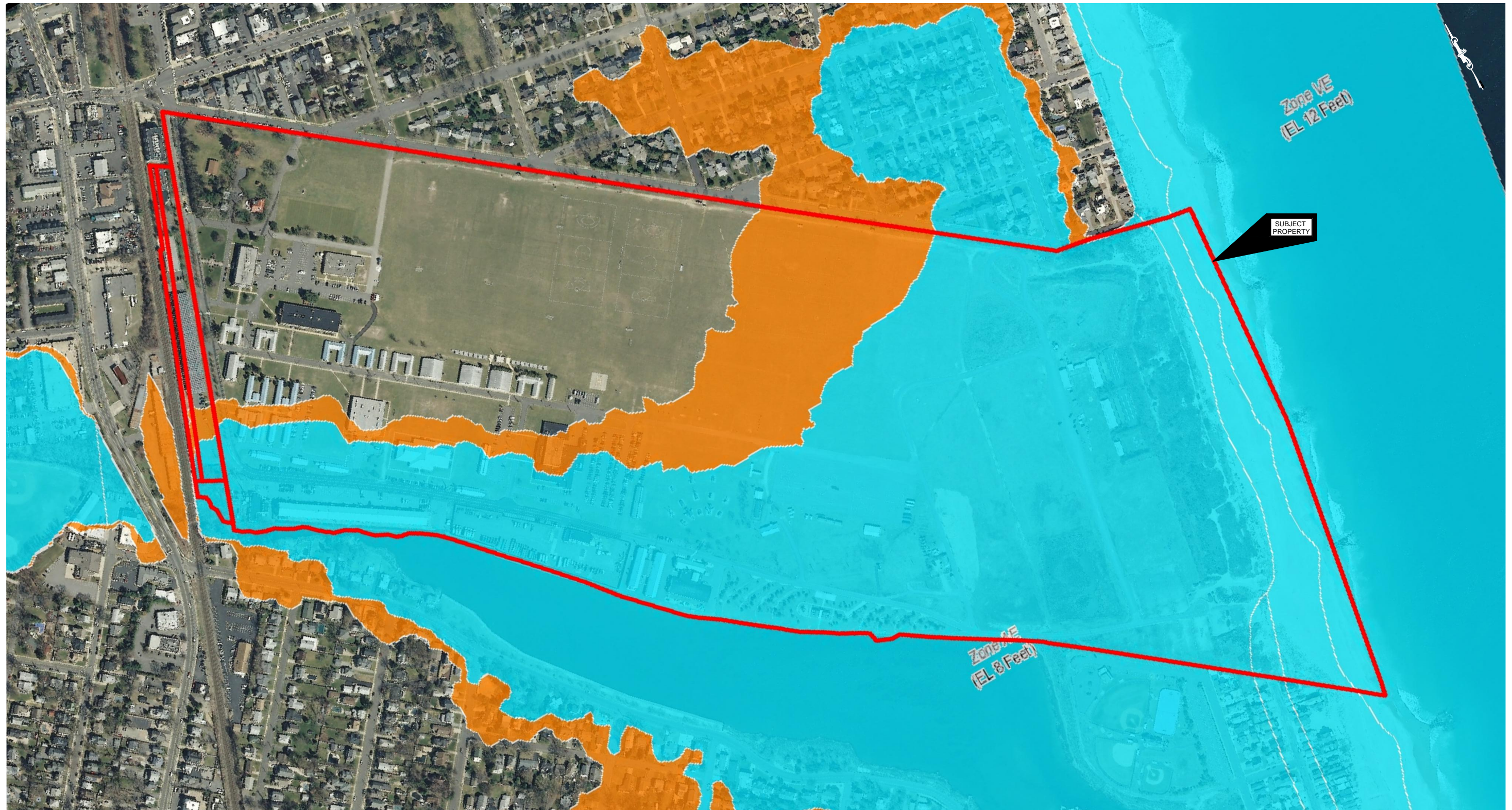
WETLAND/WATER TYPES FOUND ON THIS MAP
 PSSIC/PEMIC
 MODL
 PEMIB/PSSIB



BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 9 - NJDEP WETLANDS MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



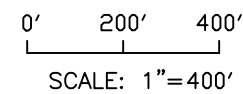
SOURCES:

FEMA DATA:
 NAME: NFHLWMS
 VERSION: 1.3.0

PROPERTY OUTLINE:

MONMOUTH COUNTY NJ OFFICE OF INFORMATION TECHNOLOGY (NJGIT), OFFICE OF GEOGRAPHIC INFORMATION SYSTEMS (OGIS)

AERIAL:
 2012 NJDEP HIGH RESOLUTION ORTHOPHOTOGRAPHY



BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 10 - FEMA PRELIMINARY FLOOD RATE INSURANCE RATE MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



SOURCES:

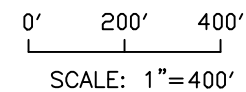
TIDELANDS DATA:
 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP), BUREAU OF
 TIDELANDS MANAGEMENT
 TITLE: NJDEP TIDELANDS (ATLANTIC NORTH)
 DATE: 07-2004

PROPERTY OUTLINE:
 MONMOUTH COUNTY NJ OFFICE OF INFORMATION TECHNOLOGY (NJGIT), OFFICE OF
 GEOGRAPHIC INFORMATION SYSTEMS (OGIS)

AERIAL:
 2012 NJDEP HIGH RESOLUTION ORTHOPHOTOGRAPHY

Legend

- CLAIMED
- UNCLAIMED



BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 11 - TIDELANDS MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14	JOB NO.: 13BR253	SCALE: 1" = 400'
---------------	------------------	------------------



Legend

- Site Boundary
- Existing Structures
- Municipal Boundaries
- Place Names
- Flora Special Species Point
- Federally threatened
- State endangered
- Invasive
- Flora Special Species Area
- Invasive
- Flora Special Species Management Area
- Threatened

- Landscape Project 2.1 - Beach**
- Suitable Habitat
 - Priority Concern
 - State Threatened
 - State Endangered
 - Federal T & E

- Notes:**
1. State Plane NAD83 Coordinates, U.S. Survey Feet;
 2. New Jersey 2007-2008 High Resolution Orthophotography, Office of Information Technology, Trenton, New Jersey, 2008;
 3. Municipal Boundaries, Place Names, Department of Environmental Protection (NJDEP), Trenton, New Jersey, 2006;
 4. Existing Structure, Site Boundary, NJARNG, Sea Girt, New Jersey, 2008.
 5. Flora Special Species Area, Flora Special Species Point, Flora Special Species Management Area, Amy S. Greene Environmental Consultants, Inc., 2008.



BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

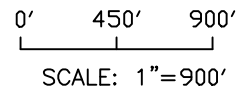
FIGURE 12 - FLORA SPECIAL SPECIES MAP
 ARMY NATIONAL GUARD TRAINING CENTER
 DRAFT ENVIRONMENTAL ASSESSMENT
 SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
 SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14 JOB NO.: 13BR253 SCALE: 1" = 900'

REFERENCE DRAWING BY:

AECOM

AECOM Environment
 30 KNIGHTSBRIDGE ROAD, SUITE 520
 PISCATAWAY, NEW JERSEY 08854
 PHONE: (732) 564-3600
 FAX: (732) 369-0122
 WEB: HTTP://WWW.AECOM.COM





Legend

- | | | |
|----------------------|--|---|
| Site Boundary | Fauna Special Species Point Threatened | Landscape Project 2.1 - Bald Eagle Foraging |
| Existing Structures | Nesting Point Natural | Landscape Project 2.1 - Beach |
| Municipal Boundaries | Nesting Area Natural | Suitable Habitat |
| Place Names | Fauna Special Species Area Threatened | Priority Concern |
| | | State Threatened |
| | | State Endangered |
| | | Federal T & E |



Notes:

1. State Plane NAD83 Coordinates, U.S. Survey Feet;
2. New Jersey 2007-2008 High Resolution Orthophotography, Office of Information Technology, Trenton, New Jersey, 2008;
3. Municipal Boundaries, Place Names, Department of Environmental Protection (NJDEP), Trenton, New Jersey, 2006;
4. Existing Structure, Site Boundary, NJARNG, Sea Girt, New Jersey, 2008.
5. Fauna Special Species Area, Nesting Point, Nesting Area, Amy S. Greene Environmental Consultants, Inc., 2008.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.



FIGURE 13 - FAUNA SPECIAL SPECIES MAP
ARMY NATIONAL GUARD TRAINING CENTER
DRAFT ENVIRONMENTAL ASSESSMENT
SEA GIRT AVENUE - BLOCK 106, LOT 1, BLOCK 54, LOTS 2 & 2.01, BLOCK 99, LOT 1.01
SEA GIRT, MONMOUTH COUNTY, NEW JERSEY

DATE: 10/7/14

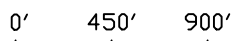
JOB NO.: 13BR253

SCALE: 1" = 900'

REFERENCE DRAWING BY:

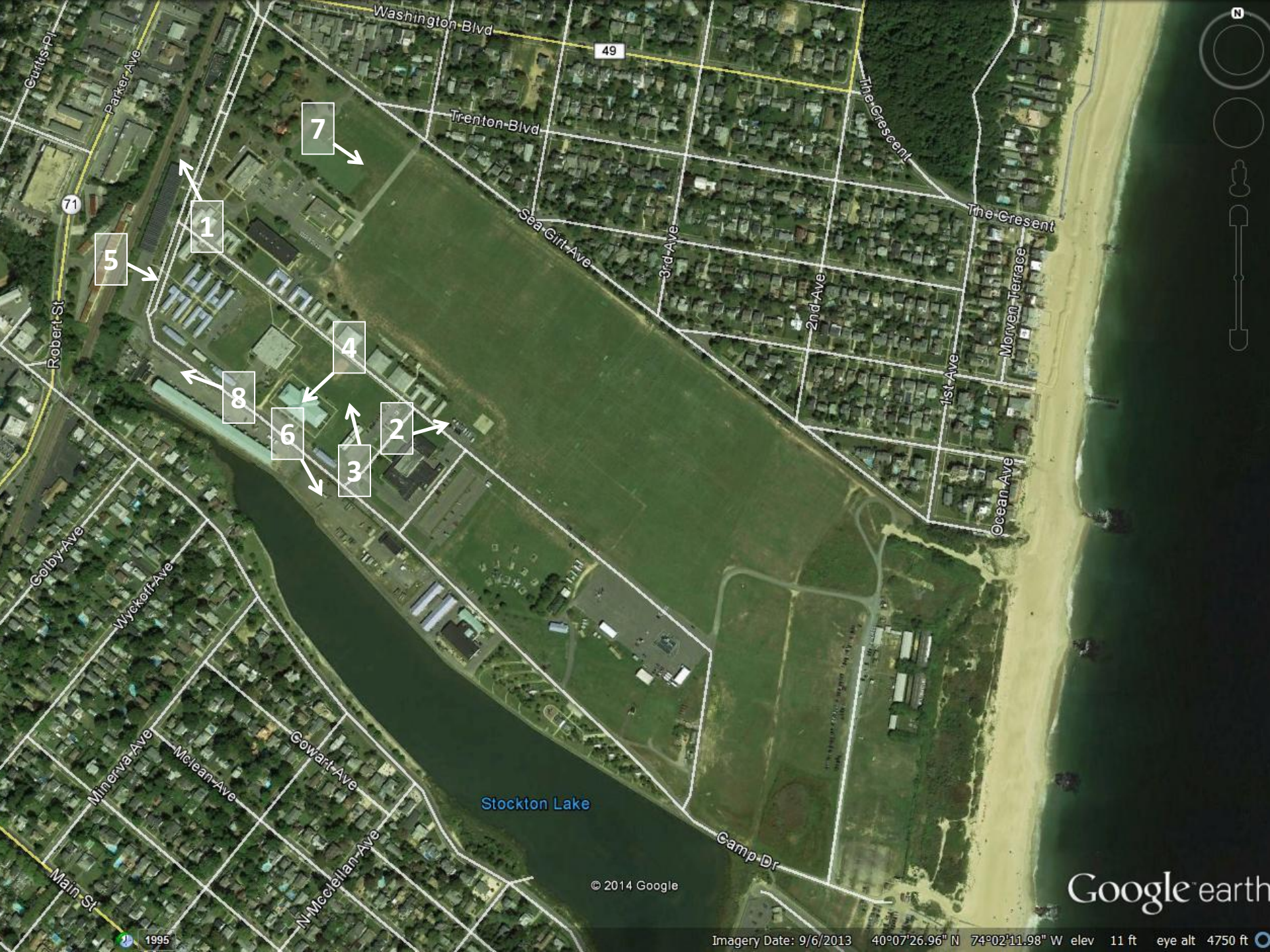
AECOM

AECOM Environment
30 KNIGHTSBRIDGE ROAD, SUITE 520
PISCATAWAY, NEW JERSEY 08854
PHONE: (732) 564-3600
FAX: (732) 369-0122
WEB: HTTP://WWW.AECOM.COM



SCALE: 1"=900'

APPENDIX A



© 2014 Google

Google earth

Imagery Date: 9/6/2013 40°07'26.96" N 74°02'11.98" W elev 11 ft eye alt 4750 ft

1995

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

Washington Blvd
 Trenton Blvd
 Sea Girt Ave
 3rd Ave
 2nd Ave
 1st Ave
 Ocean Ave
 The Crescent
 Morven Terrace
 Robert St
 Colby Ave
 Wyckoff Ave
 Minerva Ave
 Mclean Ave
 Cowart Ave
 N McClellan Ave
 Main St
 Camp Dr

Stockton Lake



Photograph 1: Location of proposed Power Plant Building (PPB), facing north.



Photograph 2: Location of proposed collocated Engineering and Housing Maintenance Shop/Field Maintenance Shop (EHMS/FMS), facing east.



Photograph 3: Location of proposed General Instruction Building/Medical Clinic (GIB/MED), facing north.



Photograph 4: Location of proposed General Instruction Building/Medical Clinic (GIB/MED), facing south.



Photograph 5: Regional Training Institute (RTI) under construction, facing east.



Photograph 6: Location of proposed privately-owned vehicle parking area (POV), facing south.



Photograph 7: View of the northern portion of the subject property, which is to be preserved for historical and archaeological importance, facing east.



Photograph 8: View of the southwestern portion of the subject property, along Governor Wilson Drive, facing west.

APPENDIX B

Tribal Consultation



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Paula Pechonick, Chief
Delaware Tribe of Indians
Delaware Tribal Headquarters
170 Barbara Avenue
Bartlesville, OK 74006

April 9, 2014

Dear Chief Pechonick

The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Delaware Tribe of Indians. Consequently, we invite you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

If you desire, you, or your designated representative may contact either myself or Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

I may be reached at (609) 530-6957, and our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,

MICHAEL L. CUNNIFF
Brigadier General, NJANG
The Adjutant General



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Dr. Brice Obermeyer
The Delaware Tribe (Lenape)
Director THPO
170 Barbara Avenue
Bartlesville, OK 74006

April 9, 2014

Dear Dr. Obermeyer

The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

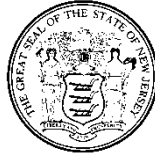
The lands we manage are among those that were the ancestral homes of the Delaware Tribe of Indians. Consequently, we invite you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

If you desire, you, or your designated representative may contact either myself or Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

I may be reached at (609) 530-6957, and our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,

MICHAEL L. CUNNIFF
Brigadier General, NJANG
The Adjutant General



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Robert Chicks, President
Stockbridge-Munsee Community
N8476 Mo He Con Nuck Rd.
Bowler, WI 54416

April 9, 2014

Dear President Chicks

The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Stockbridge-Munsee Community. Consequently, we invite you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

If you desire, you, or your designated representative may contact either myself or Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

I may be reached at (609) 530-6957, and our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,

MICHAEL L. CUNNIFF
Brigadier General, NJANG
The Adjutant General



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Robert Hill, Chief
Tonawanda Band of Seneca
7027 Meadville Road
Basom, NY 14081

April 9, 2014

Dear Chief Hill

The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Tonawanda Band of Seneca Community. Consequently, we invite you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

If you desire, you, or your designated representative may contact either myself or Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

I may be reached at (609) 530-6957, and our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,

MICHAEL L. CUNNIFF
Brigadier General, NJANG
The Adjutant General



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Ray Halbritter, Representative
Oneida Indian Nation
Genesee Street, AMES Plaza
Oneida, NY 13421

April 9, 2014

Dear Representative Halbritter

The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Oneida Indian Nation. Consequently, we invite you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

If you desire, you, or your designated representative may contact either myself or Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

I may be reached at (609) 530-6957, and our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,

MICHAEL L. CUNNIFF
Brigadier General, NJANG
The Adjutant General



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Barry E. Snyder, President
Seneca Iroquois Nation
774-814 Broad Street
PO Box 442
Salamanca, NY 14779

April 9, 2014

Dear President Snyder

The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Seneca Iroquois Nation. Consequently, we invite you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

If you desire, you, or your designated representative may contact either myself or Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

I may be reached at (609) 530-6957, and our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,

MICHAEL L. CUNNIFF
Brigadier General, NJANG
The Adjutant General



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Seneca Nation
Language Department
12861 Route 438
Irving, NY 14081

April 9, 2014

Dear Language Department

The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Seneca Nation. Consequently, we invite you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

If you desire, you, or your designated representative may contact either myself or Mr. Joe Dunleavy, our Cultural Resources Manager so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

I may be reached at (609) 530-6957, and our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,

MICHAEL L. CUNNIFF
Brigadier General, NJANG
The Adjutant General



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Paula Pechonick, Chief
Delaware Tribe of Indians
Delaware Tribal Headquarters
170 Barbara Avenue
Bartlesville, OK 74006

June 3, 2014

Dear Chief Pechonick


The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Delaware Tribe of Indians. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Dr. Brice Obermeyer
The Delaware Tribe (Lenape)
Director THPO
170 Barbara Avenue
Bartlesville, OK 74006

June 3, 2014

Dear Dr. Obermeyer

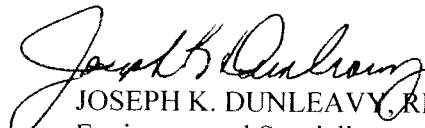
The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Delaware Tribe of Indians. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Robert Chicks, President
Stockbridge-Munsee Community
N8476 Mo He Con Nuck Rd.
Bowler, WI 54416

June 3, 2014

Dear President Chicks

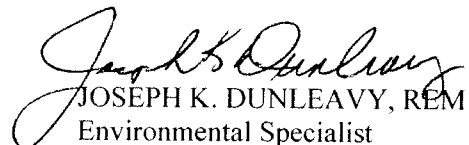
The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Stockbridge-Munsee Community. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manager so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Robert Hill, Chief
Tonawanda Band of Seneca
7027 Meadville Road
Basom, NY 14081

June 3, 2014

Dear Chief Hill


The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Tonawanda Band of Seneca Community. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manager so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Ray Halbritter, Representative
Oneida Indian Nation
Genesee Street, AMES Plaza
Oneida, NY 13421

June 3, 2014

Dear Representative Halbritter

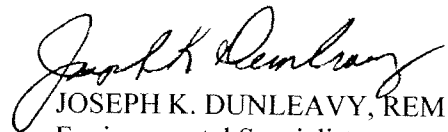
The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Oneida Indian Nation. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Barry E. Snyder, President
Seneca Iroquois Nation
774-814 Broad Street
PO Box 442
Salamanca, NY 14779

June 3, 2014

Dear President Snyder


The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Seneca Iroquois Nation. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Seneca Nation
Language Department
12861 Route 438
Irving, NY 14081

June 3, 2014

Dear Language Department


The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Seneca Nation. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. With your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manager so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Paula Pechonick, Chief
Delaware Tribe of Indians
Delaware Tribal Headquarters
170 Barbara Avenue
Bartlesville, OK 74006

July 8, 2014

Dear Chief Pechonick

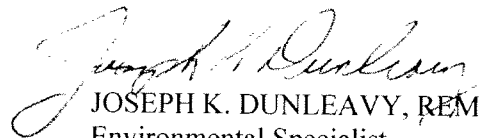
The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Delaware Tribe of Indians. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. On the 3rd of June 2014 we again asked for your assistance in preparing these documents so that with your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manager so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Dr. Brice Obermeyer
The Delaware Tribe (Lenape)
Director THPO
170 Barbara Avenue
Bartlesville, OK 74006

July 8, 2014

Dear Dr. Obermeyer

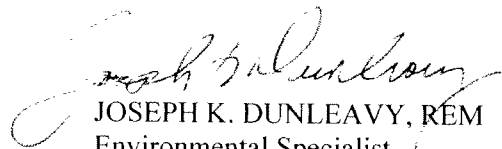
The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Delaware Tribe of Indians. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. On the 3rd of June 2014 we again asked for your assistance in preparing these documents so that with your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Robert Chicks, President
Stockbridge-Munsee Community
N8476 Mo He Con Nuck Rd.
Bowler, WI 54416

July 8, 2014

Dear President Chicks


The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Stockbridge-Munsee Community. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. On the 3rd of June 2014 we again asked for your assistance in preparing these documents so that with your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manager so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Robert Hill, Chief
Tonawanda Band of Seneca
7027 Meadville Road
Basom, NY 14081

July 8, 2014

Dear Chief Hill


The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Tonawanda Band of Seneca Community. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. On the 3rd of June 2014 we again asked for your assistance in preparing these documents so that with your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Ray Halbritter, Representative
Oneida Indian Nation
Genesee Street, AMES Plaza
Oneida, NY 13421

July 8, 2014

Dear Representative Halbritter


The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Oneida Indian Nation. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. On the 3rd of June 2014 we again asked for your assistance in preparing these documents so that with your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manager so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Barry E. Snyder, President
Seneca Iroquois Nation
774-814 Broad Street
PO Box 442
Salamanca, NY 14779

July 8, 2014

Dear President Snyder


The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Seneca Iroquois Nation. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. On the 3rd of June 2014 we again asked for your assistance in preparing these documents so that with your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

Seneca Nation
Language Department
12861 Route 438
Irving, NY 14081

July 8, 2014

Dear Language Department

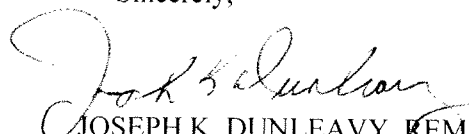
The New Jersey Army National Guard (NJARNG) is responsible for the protection and management of those properties that are within its care. At the present time, the NJARNG would like to initiate tribal consultation in connection with an Environmental Assessment (EA) in accordance with the National environmental Policy Act (NEPA). This EA is being prepared for Military Construction (MILCON) at The New Jersey Army National Guard Training Site at Sea Girt, NJ. The MILCON activities include the proposed Superstorm Sandy Replacement Buildings and Infrastructure at our facility.

The lands we manage are among those that were the ancestral homes of the Seneca Nation. Consequently, on or about the 9th of April 2014 we invited you to join us as a Sovereign Nation and consulting party as we prepare and finalize these documents, in accordance with Federal Regulations, EO 13175 and the DoD American Indian and Alaska Native Policy. On the 3rd of June 2014 we again asked for your assistance in preparing these documents so that with your assistance, we hope to maintain an ongoing cooperative relationship between your tribe and the New Jersey Army National Guard.

As of this date we have not received a response from your designated representative. Please contact Mr. Joe Dunleavy, our Cultural Resources Manger so that we, in coordination with the counterparts in your tribe, can outline areas of concern and provide you with further information to ensure that we address any concerns that you may have with regard to any potential impact the projects may have on your ancestral lands. Any information you may provide would be appreciated.

Our New Jersey National Guard Cultural Resources Program Manager, Mr. Joe Dunleavy can be reached at (609) 530-7134

Sincerely,


JOSEPH K. DUNLEAVY, REM
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

NJARNG-CFMO-EMB

20 January 2015

MEMORANDUM FOR RECORD (Additional)

SUBJECT: Tribal Consultation for the Environmental Assessment for the New Jersey Army National Guard, Environmental Assessment for Hurricane Sandy Replacement Buildings at Sea Girt (NGTC), New Jersey.

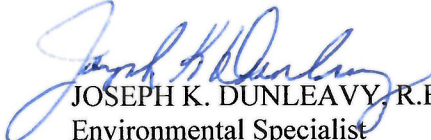
1. Tribal consultation was initiated via formal letter submitted by the New Jersey Army National Guard (NJARNG) to six federally recognized tribes recorded as having cultural affiliation and interest within the State of New Jersey and the project areas at Sea Girt. Tribes were invited to participate as consulting parties for the development and review of the Environmental Assessment for the potential environmental impacts resulting from proposed construction and operation of Replacement Buildings at Sea Girt, New Jersey.

2. The five tribes invited to participate as consulting parties were:

Delaware Tribe of Indians
Delaware Tribe (Lenape)
Tonawanda Band of Seneca
Stockbridge-Munsee Community
Seneca Tribe of Indians
Seneca Iroquois Nation
Oneida Indian Nation

3. The NJARNG has received additional requests pertaining to the subject projects, since the MFR dated 7 Aug 2014 (same subject). The additional requests pertained to any new project information and site location. Additionally, previous correspondence and requests by Stockbridge-Munsee, the Oneida and Delaware Nations have been satisfied. Cultural Surveys previously accomplished for the above projects have been provided to the affected Tribes. Requests for notification in the event of inadvertent discovery will be made in accordance with established procedures (ICRMP).

4. Point of contact for this action is the undersigned at 609 530-7134 or joe.dunleavy@dmava.nj.gov


JOSEPH K. DUNLEAVY, R.E.M.
Environmental Specialist



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

NJARNG-CFMO-EMB

7 August 2014

MEMORANDUM FOR RECORD

SUBJECT: Tribal Consultation for the Environmental Assessment for the New Jersey Army National Guard Environmental Assessment for Hurricane Sandy Replacement Buildings at Sea Girt (NGTC), New Jersey.

1. Tribal consultation was initiated via formal letter submitted by the New Jersey Army National Guard (NJARNG) to federally recognized tribes recorded as having cultural affiliation and interest within the State of New Jersey and the project areas at Sea Girt NGTC. Tribes were invited to participate as consulting parties for the development and review of the Environmental Assessment for the potential environmental impacts resulting from proposed construction and operation of buildings to be replaced as a result of "Superstorm Sandy".

2. The tribes invited to participate as consulting parties were:

Delaware Tribe of Indians
Delaware Tribe (Lenape)
Tonawanda Band of Seneca
Stockbridge-Munsee Community
Seneca Tribe of Indians
Seneca Iroquois Nation
Oneida Indian Nation

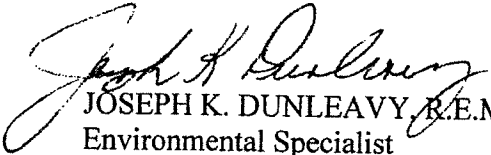
3. The NJARNG sent requests via certified mail on the following dates 8 April 2014, 3 Jun 2014, and 8 July 2014.

a. On the 21st of July 2014, I received a call from Jessie Bergevin from the Oneida Indian Nation, Genesee Street Oneida New York. Phone number 315-829-8463. The content of the call indicated that he wanted to know what we would like to do and how could he accommodate our request. I explained the projects and he said that he would be sending me a letter requesting the items he would like to see as a participant in the process.

b. On the 21st of July 2014, I received an additional call from Bonnie Hartley from the Stockbridge-Munsee Community Tribal Historian Assistant located in Bowler Wisconsin. Phone number 715-793-3995. Contact with Bonnie made via message 21 July 2:30 PM. She asked me to explain our projects and the location and she would get back to me. Upon her review, she noted the projects were located in Monmouth County and her tribe had no Cultural Resource concerns and did not require further project information. She followed up this phone call with an email on 23 July 2014 with a Tribal Letter (PDF).

4. There has not been any other comments or response for other Federally Recognized Tribes as of this date.

5. Point of contact for this action is the undersigned at 609 530-7134 or joe.dunleavy@njdmava.state.nj.us.


JOSEPH K. DUNLEAVY, R.E.M.
Environmental Specialist

Atch: Oneida Tribal Response
Stockbridge-Munsee Response

Stockbridge-Munsee Tribal Historic Preservation Office
Bonney Hartley – Tribal Historic Preservation Assistant
W13447 Camp 14 Road
P.O. Box 70
Bowler, WI 54416

Mr. Joe Dunleavy
Cultural Resources Program Manager
State of New Jersey
Department of Military and Veterans Affairs
PO Box 340
Trenton, NJ 08625-0340
Via email only

July 23, 2014

**RE: Military Construction (MILCON) at New Jersey Army National Guard (NJARNG)
Training Site at Sea Girt, NJ
Superstorm Sandy Replacement Buildings & Infrastructure**

Dear Mr. Dunleavy:

Thanks for describing more about the above-referenced project on the call today, 7/23/14. We could not locate a CD of the report that you had sent to our office unfortunately.

However, I have noted what you described in the call, that there is approx. 15-18 feet of fill, and that an archeological report was conducted and did not identify any precontact material. Secondly, I see that Sea Girt appears to be Monmouth County which is not in our area of interest in New Jersey.

Therefore, for this project I am comfortable assessing for our office that we do not have Mohican cultural resource concerns and do not require further project information.

However, should any cultural materials inadvertently be discovered in the project construction, we require notification and that the project is halted.

Thank you for engaging with us in consultation.

Respectfully,

Bonney

Bonney Hartley
Tribal Historic Preservation Assistant

(715)-793-3995

Email: bonney.hartley@mohican-nsn.gov

ONEIDA INDIAN NATION



JESSE J. BERGEVIN
HISTORIC RESOURCES SPECIALIST

DIRECT DIAL: (315) 829-8463
FACSIMILE: (315) 829-8473
E-MAIL: jbergevin@oneida-nation.org

ONEIDA NATION HOMELANDS

July 28, 2014

Joseph K. Dunleavy, REM
Environmental Specialist
State of New Jersey
Department of Military and Veteran Affairs
P.O. Box 340
Trenton, New Jersey 08625-0340

Re: Tribal Consultation for an Environmental Assessment prepared for Military Construction
New Jersey Army National Guard Training Site at Sea Grit, New Jersey

Dear Mr. Dunleavy,

The Oneida Indian Nation (the "Nation") received a letter dated July 8, 2014, from the New Jersey Army National Guard (NJARNG) concerning the Environmental Assessment (EA) being prepared for Military Construction at the New Jersey Army National Guard Training Site at Sea Grit, New Jersey (the "Project"). The Nation does not have any additional information to provide the NJARNG regarding Cultural or Historic Resources that could be affected by the Project. The Nation requests the opportunity to review any cultural resource surveys that are part of the EA for the Project.

If you have any questions, please call me at (315) 829-8463.

Very truly yours,

ONEIDA INDIAN NATION

Jesse J. Bergevin



Delaware Tribe Historic Preservation Representatives
Department of Anthropology
Gladfelter Hall
Temple University
1115 W. Polett Walk
Philadelphia, PA 19122
temple@delawaretribe.org

August 19, 2014

State of New Jersey
Department of Military and Veterans Affairs
Attn: Mr. Joe Dunleavy
P.O. Box 340
Trenton, New Jersey 08625

Re: MILCON at the New Jersey Army National Guard Training Site at Sea Girt, NJ

Dear Mr. Joe Dunleavy,

Thank you for notifying the Delaware Tribe of the plans for the above referenced project. The Delaware Tribe is committed to protecting historic sites important to our tribal heritage, culture and religion. We are interested in participating as a consulting party on this project. We would appreciate more detailed information regarding the project. If any archaeological work has been done to date, we would also appreciate copies of those reports for our review as well. Thank you for your cooperation and look forward to working together on our shared interests in preserving Delaware cultural heritage.

If you have any questions, feel free to contact this office by phone at (609) 220-1047 or by e-mail at temple@delawaretribe.org.

Sincerely,

A handwritten signature in cursive script that reads "Blair Fink".

Blair Fink
Delaware Tribe Historic Preservation Representatives
Department of Anthropology
Gladfelter Hall
Temple University
1115 W. Polett Walk
Philadelphia, PA 19122



Delaware Tribe Historic Preservation Representatives
Department of Anthropology
Gladfelter Hall
Temple University
1115 W. Polett Walk
Philadelphia, PA 19122
temple@delawaretribe.org

September 16, 2014

State of New Jersey
Department of Military and Veterans Affairs
Attn: Joseph K. Dunleavy
101 Eggert Crossing Road
Lawrenceville, NJ 08648

Re: Sea Girt National Guard Training Center, Monmouth County, New Jersey

Dear Joseph K. Dunleavy,

Thank you for notifying the Delaware Tribe of the plans for the above referenced project and providing the archaeological surveys that have been conducted at the site. Our review indicates that there are no religious or culturally significant sites within the selected project area, and we have no objection to the proposed project. We defer further comment to your office.

We ask that if any archaeological remains (artifacts, subsurface features, etc.) are discovered during the construction process that construction be halted until an archaeologist can view and assess the finds. Furthermore, we ask that if any human remains are accidentally unearthed during the course of the project that you cease development immediately and inform the Delaware Tribe of Indians of the inadvertent discovery.

If you have any questions, feel free to contact this office by phone at (609) 220-1047 or by e-mail at temple@delawaretribe.org.

Sincerely,

A handwritten signature in cursive script that reads "Blair Fink". The signature is written in black ink on a light-colored background.

Blair Fink
Delaware Tribe Historic Preservation Representatives
Department of Anthropology
Gladfelter Hall
Temple University
1115 W. Polett Walk
Philadelphia, PA 19122

Dunleavy, Joe

From: Temple University Archaeology <temple@delawaretribe.org>
Sent: Thursday, January 01, 2015 10:04 PM
To: Dunleavy, Joe
Subject: Additional Environmental Assessment for MILCON at NJ Army National Guard Training Site at Sea Girt, NJ

Mr. Dunleavy,

Dr. Obermeyer has passed along your letter regarding the additional EA for the construction at Sea Girt. Will the replacement of the Museum include an expansion of the original footprint of the building? If so, will the areas outside of the original footprint be archaeologically surveyed, or were these areas included in the previous surveys of the training site? Any additional information you can provide about the Museum replacement would be much appreciated. Thank you for your cooperation. Happy New Year!

Best,

Blair Fink
Delaware Tribe Historic Preservation Representative
Department of Anthropology
Gladfelter Hall, Rm. 207
Temple University
1115 W. Polett Walk
Philadelphia, PA 19122
temple@delawaretribe.org
(609) 220-1047

This electronic message contains information from the Delaware Tribe of Indians that may be confidential, privileged or proprietary in nature. The information is intended solely for the specific use of the individual or entity to which this is addressed. If you are not the intended recipient of this message, you are notified that any use, distribution, copying, or disclosure of this communication is strictly prohibited. If you received this message in error, please notify the sender then delete this message.

Dunleavy, Joe

From: Temple University Archaeology <temple@delawaretribe.org>
Sent: Wednesday, January 14, 2015 7:15 PM
To: Dunleavy, Joe
Subject: Re: Additional Environmental Assessment for MILCON at NJ Army National Guard Training Site at Sea Girt, NJ
Attachments: Sea Girt National Guard Training Center - Department of Military and Veterans Affairs.pdf

Hi Joe,

Thank you for the additional information. Please see the attached document regarding the above referenced project. Please let me know know if you have any questions.

Best,

Blair Fink
Delaware Tribe Historic Preservation Representative
Department of Anthropology
Gladfelter Hall, Rm. 207
Temple University
1115 W. Polett Walk
Philadelphia, PA 19122
temple@delawaretribe.org
(609) 220-1047

This electronic message contains information from the Delaware Tribe of Indians that may be confidential, privileged or proprietary in nature. The information is intended solely for the specific use of the individual or entity to which this is addressed. If you are not the intended recipient of this message, you are notified that any use, distribution, copying, or disclosure of this communication is strictly prohibited. If you received this message in error, please notify the sender then delete this message.

Dunleavy, Joe <Joe.Dunleavy@dmava.nj.gov> , 1/5/2015 11:06 AM:

Hi Blair

Happy New Year to you as well. In answer to your questions, the Museum site has not changed since the original concept. It was originally one of five buildings to be replaced as a result of Hurricane Sandy, however there was no funding at the time to replace all five and the museum was not included. The entire area for all five buildings both planned and proposed has been surveyed. One area where artifacts were found has been identified as Site 28-MO-407 (Shearman/Mount/Stockton Farmstead Site), and we have recently completed a Phase II for this site with no further work being anticipated. The site will be protected. The area for the location of the Museum (28-MO-408) was surveyed and found be "not eligible for listing" and appears to have been a "push pile" of debris from the demolition of an old building (SHPO Letters Dated 28 Jan 2014 and 30 Dec 2014). Please feel free to contact me should you have any additional comments or concerns. Thank You.

Joseph K. Dunleavy, REM
101 Eggerts Crossing Road



Delaware Tribe Historic Preservation Representatives
Department of Anthropology
Gladfelter Hall
Temple University
1115 W. Polett Walk
Philadelphia, PA 19122
temple@delawaretribe.org

January 14, 2015

State of New Jersey
Department of Military and Veterans Affairs
Attn: Joseph K. Dunleavy
101 Eggert Crossing Road
Lawrenceville, NJ 08648

Re: Additional Environmental Assessment for Military Construction at the Sea Girt National Guard Training Center, Monmouth County, New Jersey

Dear Joseph K. Dunleavy,

Thank you for notifying the Delaware Tribe of the additional plans for the Military Construction at the NJ Army National Guard Training Site at Sea Girt. Our review indicates that there are no religious or culturally significant sites within the selected project area, and we have no objection to the proposed project. We defer further comment to your office.

We ask that if any archaeological remains (artifacts, subsurface features, etc.) are discovered during the construction process that construction be halted until an archaeologist can view and assess the finds. Furthermore, we ask that if any human remains are accidentally unearthed during the course of the project that you cease development immediately and inform the Delaware Tribe of Indians of the inadvertent discovery.

If you have any questions, feel free to contact this office by phone at (609) 220-1047 or by e-mail at temple@delawaretribe.org.

Sincerely,

A handwritten signature in cursive script that reads "Blair Fink".

Blair Fink
Delaware Tribe Historic Preservation Representatives
Department of Anthropology
Gladfelter Hall
Temple University
1115 W. Polett Walk
Philadelphia, PA 19122

Governmental Agency Consultation



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Judith A. Enck
US EPA Region 2 Administrator
290 Broadway
New York, New York 10007-1866

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke, positioned above the printed name and title.

CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

U.S. Army Corps of Engineers
Jacob K. Javits Federal Building
26 Federal Plaza, Room 2109
New York, NY 10278-0090NRCS

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Borough of Sea Girt
321 Baltimore Blvd
P.O. Box 296
Sea Girt, NJ 08750

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.

A handwritten signature in black ink, appearing to be 'C. Appleby', written over the printed name and title.

CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Daniel D. Saunders
State of New Jersey
Department of Environmental Protection
Historic Preservation Office
PO Box 420
Mail Code 501-04B
Trenton, NJ 08625-0420

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Scott Brubaker
NJDEP
Office of Permit Coordination and Environmental Review
Mail Code 401-075
P.O. Box 420
Trenton, NJ 08625

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

State of New Jersey
Department of Environmental Protection
Land Use Management
P.O. Box 420
Mail Code: 401-07B
Trenton, New Jersey 08625-0420

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

David Chanda, Director
N.J. Division of Fish and Wildlife
Mail Code 501-03
P.O. Box 420
Trenton, NJ 08625-0420

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.

A handwritten signature in black ink, appearing to read 'C. Appleby', is written over the printed name and title.

CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Monmouth County
Division of Planning
Monmouth County Hall of Records
One East Main Street
P.O. Box 1255
Freehold, NJ 07728

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.

A handwritten signature in black ink, consisting of a large, stylized 'C' followed by a series of loops and a long horizontal stroke.

CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Monmouth County Park System
805 Newman Springs Road
Lincroft, New Jersey 07738

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Monmouth Regional Health Commission # 1
1540 West Park Avenue
Ocean Township, NJ 07712

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Borough of Manasquan
201 East Main Street
Manasquan, NJ 08736

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.

CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Freehold Soil Conservation District Service Center
4000 Kozloski Rd, Suite D
Freehold, NJ 07728

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.

A handwritten signature in black ink, appearing to read 'C. Appleby', is written over the printed name and title.

CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Federal Emergency Management Agency
Office of Policy and Regional Operations
500 C Street S.W.
Washington, D.C. 20472

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Eric Schrading
U.S. Fish and Wildlife Service
927 N. Main Street, Building D
Pleasantville, New Jersey 08232

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau

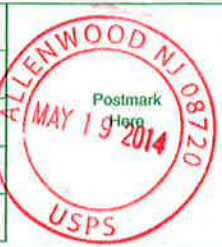
7013 1710 0000 1527 5349

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48



Sent To: Borough of Manasquan
 Street, Apt. No., or PO Box No.: 201 E Main St
 City, State, ZIP+4: Manasquan, NJ 08736

PS Form 3800, August 2006 See Reverse for Instructions

7013 1710 0000 1527 5332

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48



Sent To: Monmouth Regional Health Comm. #1
 Street, Apt. No., or PO Box No.: 1540 West Park Avenue
 City, State, ZIP+4: Ocean Township, NJ 07712

PS Form 3800, August 2006 See Reverse for Instructions

7013 1710 0000 1527 5325

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48



Sent To: Monmouth County Park System
 Street, Apt. No., or PO Box No.: 805 Newman Springs Rd
 City, State, ZIP+4: Lincroft, NJ 07738

PS Form 3800, August 2006 See Reverse for Instructions

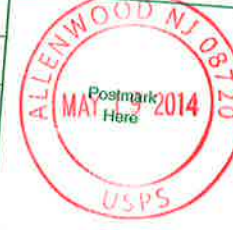
7013 1710 0000 1527 5356

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48



Sent To: Freehold Soil Conservation District
 Street, Apt. No., or PO Box No.: 4000 Kozlowski Rd, Suite D
 City, State, ZIP+4: Freehold, NJ 07728

PS Form 3800, August 2006 See Reverse for Instructions

7000 1527 5301

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70



7000 1527 5308

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$.48
Certified Fee	3.30



7013 1710 0000 1527 5295

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48

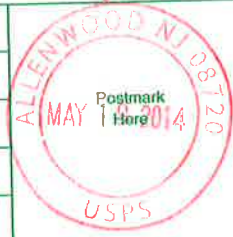


Sent To NJDEP Land Use Management
Street, Apt. No., or PO Box No. PO Box 420 Mail Code 401-07B
City, State, ZIP+4 Trenton, NJ 08625-0420
PS Form 3800, August 2006 See Reverse for Instructions

7013 1710 0000 1527 5233

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48

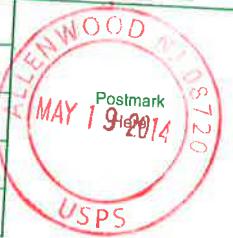


Sent To Eric Schradig - USFWS
Street, Apt. No., or PO Box No. 927 N. Main St, Building D
City, State, ZIP+4 Pleasantville, NJ 08232
PS Form 3800, August 2006 See Reverse for Instructions

7013 1710 0000 1527 5271

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48



Sent To Daniel Saunders, NJDEP, SHPO
Street, Apt. No., or PO Box No. PO Box 420 Mail Code 501-04B
City, State, ZIP+4 Trenton, NJ 08625-0420
PS Form 3800, August 2006 See Reverse for Instructions

7013 1710 0000 1527 5288

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48



Sent To Scott Brubaker, NJDEP Office of Permit Lead.
Street, Apt. No., or PO Box No. Mail Code 401-075 PO Box 420
City, State, ZIP+4 Trenton NJ, 08625
PS Form 3800, August 2006 See Reverse for Instructions

0000 1527 5264

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48



0000 1527 5363

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®

Postage	\$.48
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.48



7013 1710 0000 1527 5257

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$.48
Certified Fee		3.30
Return Receipt Fee (Endorsement Required)		2.70
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	6.48



Sent To US Army Corps of Engineers
 Street, Apt. No., or PO Box No. 26 Federal Plaza, Room 2109
 City, State, ZIP+4 New York, NY 10278-0090NRCS

7013 1710 0000 1527 5240

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$.48
Certified Fee		3.30
Return Receipt Fee (Endorsement Required)		2.70
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	6.48



Sent To Judith A. Enck - US EPA Region 2
 Street, Apt. No., or PO Box No. 290 Broadway
 City, State, ZIP+4 New York, NY 10007-1866



MONMOUTH COUNTY REGIONAL HEALTH COMMISSION NO. 1

1540 WEST PARK AVE., TINTON FALLS, NJ 07724

www.mcrhc.org

David A. Henry, MPH
Health Officer
Tel (732) 493-9520
Fax (732) 493-9521

Mailing Address:
1540 West Park Ave.
Suite 1
Ocean Twp., NJ 07712

June 9, 2014

State of New Jersey
Dept. of Military and Veterans Affairs
ATTN: Charles Appleby
P.O. Box 340
Trenton, New Jersey 08625-0340

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center

Mr. Appleby:

Our Department received the attached letter on May 20, 2014. We are writing to inform you that This Department does not have jurisdiction at the Sea Girt National Guard Training Center. The New Jersey Department of Health (NJDOH) and the New Jersey Department of Environmental Protection (NJDEP), are the agencies that have jurisdiction for this site.

If you have any questions, please contact me at 732-493-9520.

Michael J. Kowal, MPH, REHS
Reg. Environmental Health Specialist

Allenhurst
Brielle
Deal
Fair Haven
Highlands

Interlaken
Little Silver
Loch Arbour
Middletown Township

Monmouth Beach
Ocean Township
Red Bank
Rumson

Sea Bright
Sea Girt
Shrewsbury
Spring Lake

Spring Lake Heights
Tinton Falls
Wall Township
West Long Branch



Monmouth County Regional Health Commission

MAY 20 2014

RECEIVED

State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

CFMO-EMB (200)

May 16, 2014

MEMORANDUM FOR

Monmouth Regional Health Commission # 1
1540 West Park Avenue
Ocean Township, NJ 07712

7013 1710 0000 1527 5332

SUBJECT: Proposed Superstorm Sandy Replacement Buildings and Infrastructure
at the Sea Girt National Guard Training Center

To whom this concerns:

This letter is being submitted on behalf of the Department of Military and Veterans Affairs and the New Jersey Army National Guard (hereinafter referred to as the Proponent) to initiate consultation in connection with an Environmental Assessment (EA) and additional National Environmental Policy Act (NEPA) documentation being prepared for Military Construction (MILCON) at the above referenced location (hereinafter referred to as the site). MILCON activities include proposed construction of Superstorm Sandy Replacement Buildings and Infrastructure at the Sea Girt National Guard Training Center (NGTC) in the Boroughs of Sea Girt and Manasquan, Monmouth County, New Jersey.

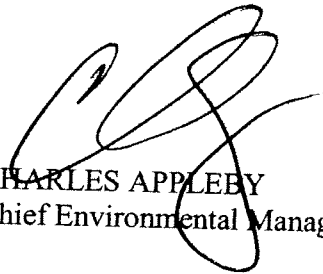
This Proposed Federal Action requires analysis as set forth in: NEPA of 1969, as amended (42 United States Code [USC] 4321 et seq.); the Council on Environmental Quality (CEQ) Regulations (40 Code of Federal Regulations [CFR] 1500-1508); and, 32 CFR Part 651, Environmental Analysis of Army Actions (Final Rule, 29 March 2002), as well as the Army National Guard Manual for Compliance with NEPA.

The Proponent is requesting your review of the site and proposed project for any potential impacts to potential natural and/or cultural resources within your agency's purview.

The site largely consists of pre-disturbed/developed land containing a large number of World War II era and newer structures with considerable areas of maintained lawn, wetlands, a coastal

dune, and beach area. Please note that the Proponent currently maintains an inadvertent discovery policy for its projects.

Thank you for your consideration and assistance. Please call the undersigned with questions at (609) 530-7135.



CHARLES APPLEBY
Chief Environmental Management Bureau



United States Department of the Interior

FISH AND WILDLIFE SERVICE

New Jersey Field Office
927 North Main Street, Building D
Pleasantville, New Jersey 08232
Tel: 609-646-9310 Fax: 609-646-0352
<http://www.fws.gov/northeast/njfieldoffice>



IN REPLY REFER TO:
13-I-0155a

MAY 30 2014

Charles Appleby
CFMO-EMB
Lawrenceville, New Jersey 08648
Email: Charles.M.Appleby,civ@mail.mil

Reference: Sea Girt National Guard Training Center, Post-Hurricane Sandy Replacement Buildings and Infrastructure, Sea Girt Borough, Monmouth County, New Jersey

The U.S. Fish and Wildlife Service (Service) has reviewed the above-referenced proposed project pursuant to the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) (ESA) to ensure the protection of federally listed endangered and threatened species. The following comments do not address all Service concerns for fish and wildlife resources and do not preclude separate review and comment by the Service as afforded by other applicable environmental legislation.

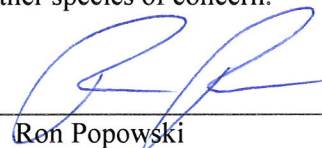
A known occurrence or potential habitat for the following federally listed or candidate species is located on or near the project's impact area. However, the Service concurs that the proposed project is not likely to adversely affect federally listed or candidate species for the reasons listed below.

Species	Basis for Determination
Seabeach amaranth (<i>Amaranthus pumilus</i>), Threatened	No seabeach amaranth present in the action area. Effects to the species are discountable.
Piping plover (<i>Charadrius melodus</i>), Threatened	All construction activities will occur over ½ mile from potential piping plover nesting and foraging areas. Effects to the species are discountable.

Except for the above-mentioned species, no other federally listed or proposed threatened or endangered flora or fauna under Service jurisdiction are known to occur within the proposed project's impact area. Therefore, no further consultation pursuant to the ESA is required. If additional information on federally listed species becomes available, or if project plans change, this determination may be reconsidered.

Please refer to this office's web site at <http://www.fws.gov/northeast/njfieldoffice/Endangered/> for further information including federally listed and candidate species lists, procedures for requesting ESA review, the National Bald Eagle Management Guidelines, and contacts for obtaining information from the New Jersey Natural Heritage and Endangered and Nongame Species Programs regarding State-listed and other species of concern.

Authorizing Supervisor: _____


Ron Popowski



HPO Log# 13-1832-3
HPO-D2015-036-PROD

State of New Jersey

MAIL CODE 501-04B

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NATURAL & HISTORIC RESOURCES

HISTORIC PRESERVATION OFFICE

P.O. Box 420

Trenton, NJ 08625-0420

TEL. (609) 984-0176 FAX (609) 984-0578

CHRIS CHRISTIE

Governor

BOB MARTIN

Commissioner

KIM GUADAGNO

Lt. Governor

April 2, 2015

Joseph K. Dunleavy, REM
Environmental Specialist
New Jersey Department of Military & Veterans Affairs
P.O. Box 340
101 Eggert Crossing Road
Trenton, NJ 08625-0340

Dear Mr. Dunleavy:

As Deputy State Historic Preservation Officer for New Jersey, in accordance with 36 CFR Part 800: Protection of Historic Properties, as published in the Federal Register on December 12, 2000 (65 FR 77725-77739) and amended on July 6, 2004 (69 FR 40553-40555), I am providing consultation comments on the following proposed undertaking:

**Monmouth County, Sea Girt Borough
New Jersey Army National Guard Training Center (NGTC)
New Jersey Department of Military and Veterans Affairs
Hurricane Sandy – Repairs and New Construction**

These comments were prepared in response to your letter, supporting documentation, and Draft Environmental Assessment of March 3, 2015.

800.4 Identification of Historic Properties

The NGTC contains two previously identified historic properties. Quarters One is an extant farmhouse, which was determined eligible for listing on the New Jersey and National Registers of Historic Places in a SHPO Opinion of Eligibility on November 29, 2005. The Shearman/Mount/Stockton Farmstead Site (28-MO-407) which was determined eligible for listing on the New Jersey and National Registers of Historic Places in a SHPO Opinion of Eligibility on November 15, 2013.

800.5 Assessment of Adverse Effects

It is our understanding, that the New Jersey Department of Military and Veterans Affairs intends to construct a new Field Maintenance Shop, Sea Girt Clinic, Power Plant Building, and New Jersey Army National Guard Museum. Of these new structures, the Museum will be in closest proximity to eligible historic properties at the NGTC. Based upon the plans and submitted renderings, the Museum will be sited so that it will avoid the archaeological site, and be outside the view shed of Quarters One. Although the new Museum is substantially larger than Quarters One, its siting outside of the view shed, and vegetative buffer will mitigate any visual effects on the eligible Quarters One. The remainder of the structures to be newly constructed or to be constructed as replacements for Sandy-damaged structures, are in areas of the NGTC that will not affect historic properties. Therefore, I find that this undertaking will have **no adverse effect upon historic properties**. Therefore pursuant to 800.5(c), if no consulting parties object to this finding within the 30 day review period, the project may proceed, as proposed and documented, unless resources are discovered during project implementation, pursuant to 800.13.

Additional Comments

The HPO has also reviewed the Draft Environmental Assessment (EA) included on CD with your letter. We have one comment regarding information about historic properties:

- On page 52 of the EA, the construction date given for Quarters One is 1925. The initial cultural resources report upon which the SHPO Opinion of Eligibility is based gives a construction date of circa 1870. However, based upon a July 2014 site visit by HPO staff, visual evidence suggests that the original, main block, of the structure likely dates to the mid-19th century, with later additions expanding the original footprint.

Thank you for providing the opportunity to comment on the Draft EA and the potential for the above-referenced project to affect historic properties. Please do not hesitate to contact Michelle Craren of my staff at (609) 292-0032 or Michelle.Craren@dep.nj.gov with any questions. If additional consultation with the HPO is needed for this undertaking, please reference the HPO project number **13-1832** in any future calls, emails, or written correspondence to help expedite our review and response.

Sincerely,



Daniel D. Saunders
Deputy State Historic
Preservation Officer



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

MICHAEL  CUNNIFF
Brigadier General
The Adjutant General

Dan Saunders
State Historic Preservation Office
State of New Jersey
Department of Environmental Protection
PO Box 404
Trenton, New Jersey 08625-0404

3 March 2015

Dear Dan

As the Historic Preservation Manager for the New Jersey Department of Military and Veterans Affairs, I am requesting your office complete a review of our documentation for upcoming projects at our Sea Girt Training Facility. As you know, recent damages from Super storm Sandy have caused the New Jersey Army National Guard to facilitate repairs and replacement for some structures at this facility. As a result, we will be obtaining Federal Dollars to implement the needed repairs and building replacements. We will be conducting an Environmental Assessment for these projects, and on November 14, 2014 we asked you to participate in the consultation process for the Military construction Projects (MILCON) at this facility.

Under Section 106 of the National Historic Preservation Act (NHPA) as amended, the New Jersey Army National Guard is charged with the responsibility of considering the effects of undertakings upon resources listed in or eligible for listing in the National Register of Historic Places. It is our intention to comply with your comments.

The projects for the Sea Girt facility require the siting and construction of at least four (4) new buildings that would replace facilities that were extensively damaged by storm surge and severe flooding. The replacement buildings include a Field Maintenance Shop (EHMS/FMS), the Sea Girt Clinic (GIB/MED), the NJARNG Museum and would add a new Power Plant Building (PPB). Additionally, the proposed project would include the addition of organizational and privately owned vehicle (POV) parking. Several smaller projects which were necessary have been previously addressed and approved in a separate letter and worksheet (HPO Project # 13-1832-1, HPO Letter J2013-324).

During the past few years we have had an opportunity to request support from your office on a number of issues, one of which was a review of the Sea Girt Master Plan, HPO-H2010-142 10-0904-1. In your review it was mentioned that some of our Master Plan list of projects may impose on a "View shed", and that certain other projects would need additional detail and further consultation. Additionally, comments with regards to MULT A231 and 10-0904-4 JM HPO

J2011-118, indicated that additional Archeological Work should be completed in an area adjacent the Croquet Field.

We have recently completed and submitted the additional Phase II Archeological Investigation at Sea Girt, (HPO Project 10-0904-7, HPO Letter K2013-203), and fulfilled your request to have the recovered artifacts classified (recently submitted). Additionally, we have submitted the Archeological Report for the proposed Museum site, and it was determined that the proposed location for this facility would have "no adverse effect" on our Museum project (HPO Project# 14-1468-3, HPO Letter L2014-497) however the design and effect on Quarters One would still need to be evaluated. It is our intent to build the Museum at a later date should funding become available.

Based on previously submitted documentation, we feel that the new building replacements and anticipated site locations would not have an "adverse effect" on either Quarters One (previously determined eligible, HPO-K2005-269 PROD), the Shearman/Mount/Stockton Farmstead 28-MO-407 (eligible), and the classification of Artifacts from site 28-MO-407, and would not have an adverse effect on the Viewshed identified in your review of our Master Plan (HPO-H2010-142 10-0904-1). It is our intent to protect the area identified as 28-MO-407 as well as the delineated Viewshed identified on Pages 1, 2, 3 & 10 of the attached Site Plan.

I have a copy of the Draft EA which includes a Description of the Proposed Action and alternatives in Section 1, along with a site plan which includes the proposed project areas for the additional buildings and Museum.

Could you please review the documents and provide comments as soon as possible so we may proceed with the Environmental Assessment. You may contact the undersigned at (609) 530-7134 should you have any questions on this matter. I thank you in advance for your assistance in this matter.



Joseph K. Dunleavy, REM
Environmental Specialist
New Jersey Department of Military & Veterans Affairs
101 Eggert Crossing Road
Trenton, NJ 08625-0340
(609) 530-7134 Voice, (609) 530-6880 Fax

Enclosures: NJARNG Overall Site Plan (18 Slides Jacobs)
20 November 2014 Invitations letter
Disk containing Draft Environmental Assessment Dated 10 October 2014

From: [Appleby, Charles M CIV \(US\)](mailto:Appleby.Charles.M.CIV@US)
To: [Glenn Donohue](mailto:Glenn.Donohue)
Cc: dmclaughlin@brinkenv.com
Subject: NJDEP POC (UNCLASSIFIED)
Date: Wednesday, June 18, 2014 1:45:51 PM

Classification: UNCLASSIFIED
Caveats: NONE

Dan

I got a call from Ruth Foster NJDEP office of permit coordination in response to the letters sent out. She is the POC for the department on this project. Please address future correspondence to her. thanks

Chuck Appleby
Chief, Environmental Management Branch
New Jersey National Guard
Tel. (609)530-7135, Cell (609)496-1353
Fax. (609)530-6880, DSN 445 9135
EMAIL: Charles.M.Appleby.civ@mail.mil

-----Original Message-----

From: Glenn Donohue [<mailto:gdonohue@brinkenv.com>]
Sent: Monday, June 16, 2014 11:49 AM
To: Appleby, Charles M CIV (US)
Cc: dmclaughlin@brinkenv.com
Subject: RE: iDEA or CX ??? projects @Sea Girt NGTC, FWS information (UNCLASSIFIED)

Thanks Chuck. Are we still on for tomorrow to review the iDEA via telephone conference?

Glenn Donohue
gdonohue@brinkenv.com

-----Original Message-----

From: Appleby, Charles M CIV (US) [<mailto:charles.m.appleby.civ@mail.mil>]
Sent: Monday, June 16, 2014 11:46 AM
To: Glenn Donohue
Subject: RE: iDEA or CX ??? projects @Sea Girt NGTC, FWS information (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Glenn,

I have received phone calls from FEMA and Monmouth county soil conservation district. Neither have comments to the project

Chuck Appleby
Chief, Environmental Management Branch
New Jersey National Guard
Tel. (609)530-7135, Cell (609)496-1353
Fax. (609)530-6880, DSN 445 9135
EMAIL: Charles.M.Appleby.civ@mail.mil

-----Original Message-----

APPENDIX C



State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

★
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

ID-EMB

10 September 2014

MEMORANDUM FOR NATIONAL GUARD BUREAU

SUBJECT: NJARNG Request to Eliminate the Public Comment Period for a Draft Environmental Assessment (EA) and Reduce the Public Comment Period for the EA to 15 days

1. I, Charles Appleby, CFMO Environmental Bureau Chief, request to waive the 30-day public review and comment period for the Draft Environmental Assessment for Proposed Superstorm Sandy Replacement Buildings and Infrastructure, New Jersey Army National Guard, Sea Girt National Guard Training Center. Additionally, I request that the public waiting period between the time that the draft Finding of No Significant Impact (FNSI) for the EA is publicized and the time the Proposed Action begins to be reduced from 30 days to 15 days.

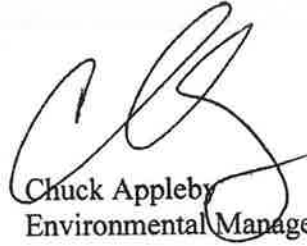
The EA evaluates the potential impacts from the construction and demolition activities involved with the following proposed Superstorm Sandy Disaster Response Projects:

- Troop Dispensary/Health Clinic (MED) - PN 340126
- General Instruction Building (GIB) - PN 340128
- Vehicle Maintenance Shop (FMS) - PN 340124
- Engineering Housing Maintenance Shop (EHMS) - PN 340127
- Power Plant Building (PPB) - PN 340129

2. I certify that the 30-day public review and comment period would jeopardize timely execution of this project. In Addition, the reduction of the public waiting period between the time that the draft FNSI for the EA is publicized would also jeopardize timely execution of this project.

3. The additional comment periods provide no public benefit. This project is similar in design and scope to the RTI project EA and FNSI completed in 2013. The project generated no public comments and four NJDEP comments for which responses were incorporated within this subjects project design. This project is not believed to have any elements to generate any public controversy. In addition, the Proposed Action meets the criteria for use of the Expedited Timeline as described in Section 6.2 of the ARNG NEPA Handbook (2011).

4. Further, the Proposed Action is not of a national concern, is not unprecedented, and does not normally require an Environmental Impact Statement.



Chuck Appleby
Environmental Management Branch
Bureau Chief

NGB-ILE-AE Concur/Non-Concur:



Approved

11 SEP 2014
Date

Disapproved

Date

From: [Appleby, Charles M CIV \(US\)](#)
To: [Glenn Donohue](#)
Cc: ["Daniel J. McLaughlin"](#); [McBride, William C. \(William.McBride@njdmava.state.nj.us\)](#); [Appleby, Charles M CIV \(US\)](#)
Subject: FW: NJARNG Superstorm Sandy - Confirmation of Existing Building Demolition (UNCLASSIFIED)
Date: Monday, August 18, 2014 10:06:56 AM

Classification: UNCLASSIFIED
Caveats: NONE

All

Below is the email on Building demo.

Summary:

The following Existing Facilities are to be Demolished AT THE 'END' OF THE PROJECT:

- * Building 36
- * Building 59
- * Building 65

The following Existing Facilities are to be Demolished AT THE 'BEGINNING' OF THE PROJECT:

- * Building 64
- * Building 64-T
- * Building 55 Concrete Pad, & Utilities (Facility already demolished)
- * Building 41 Sewer and Water Utilities (Facility already demolished)

It is understood that the demolition should include all below grade foundations, and utilities back to the existing 'main'.

Chuck Appleby
Chief, Environmental Management Branch
New Jersey National Guard
Tel. (609)530-7135, Cell (609)496-1353
Fax. (609)530-6880, DSN 445 9135
EMAIL: Charles.M.Appleby.civ@mail.mil

-----Original Message-----

From: Garron, William [<mailto:William.Garron@dmava.nj.gov>]
Sent: Monday, August 18, 2014 7:51 AM
To: Appleby, Charles M CIV (US)
Cc: Ladner, Troylene
Subject: FW: NJARNG Superstorm Sandy - Confirmation of Existing Building Demolition

Chuck,

Listed below is the approved demo plan.

Bill

From: Everett, David [<mailto:David.Everett@jacobs.com>]
Sent: Thursday, July 17, 2014 10:23 AM
To: Garron, William
Cc: Croteau, Linda SMSgt (Ret); Rowbotham, Nancy E. CW3 (Nancy.e.Rowbotham.mil@mail.mil);
Ladner, Troylene; Crowley, Robert
Subject: RE: NJARNG Superstorm Sandy - Confirmation of Existing Building Demolition

Ok, thanks Bill.

David Everett, AIA | Jacobs Global Buildings | Project Manager | p: 571.218.1340 | f: 571.218.1600 |
david.everett@jacobs.com <<mailto:david.everett@jacobs.com>>

From: Garron, William [<mailto:William.Garron@dmava.nj.gov>]
Sent: Thursday, July 17, 2014 10:20 AM
To: Everett, David
Cc: Croteau, Linda SMSgt (Ret); Rowbotham, Nancy E. CW3 (Nancy.e.Rowbotham.mil@mail.mil);
Ladner, Troylene
Subject: FW: NJARNG Superstorm Sandy - Confirmation of Existing Building Demolition

Dave,

Col Lyons has approved the Building Demolition plan as outlined below so you can proceed to incorporate into the plans.

Bill

From: Croteau, Linda SMSgt (Ret)
Sent: Thursday, July 17, 2014 10:12 AM
To: Garron, William
Subject: RE: NJARNG Superstorm Sandy - Confirmation of Existing Building Demolition

Bill: Col Lyons has no objections to Chief Albanese list.

Thanks

Linda

From: Garron, William
Sent: Tuesday, July 15, 2014 11:11 AM
To: Croteau, Linda SMSgt (Ret); Ladner, Troylene; Rowbotham, Nancy E. CW3 (Nancy.e.Rowbotham.mil@mail.mil)
Cc: Sain, Edward R. LtCol (Ret); Simms, John W CW3 USARMY NG NJARNG (US) (john.w.simms3.mil@mail.mil); Albanese, Frank CW4
Subject: RE: NJARNG Superstorm Sandy - Confirmation of Existing Building Demolition

Linda,

I received confirmation from Chief Albanese that the below demo plan is what was agreed too between NJARNG and Jacobs at the 9 July design review meeting. Can we run this past Col Lyons for final approval before sending back to Jacobs?

Bill

From: Everett, David [<mailto:David.Everett@jacobs.com>]
Sent: Monday, July 14, 2014 6:42 PM
To: Garron, William; Croteau, Linda SMSgt (Ret); Ladner, Troylene; Rowbotham, Nancy E. CW3 (Nancy.e.Rowbotham.mil@mail.mil)
Cc: Sain, Edward R. LtCol (Ret); Simms, John W CW3 USARMY NG NJARNG (US) (john.w.simms3.mil@mail.mil); Crowley, Robert; Harteis, Timothy; Dyson, Bryan; Testa, Anselmo
Subject: NJARNG Superstorm Sandy - Confirmation of Existing Building Demolition

Bill, Linda, Nancy, and Troylene,

We are preparing the meeting minutes from our recent PRELIMINARY Design Review meeting (held 09-July-14), but in advance, we wanted to send over the Existing Building Demolition Issue as we understand that you folks wanted to review and confirm what was discussed. The following direction was clarified at the Meeting;

The following Existing Facilities are to Remain (No Demolition):

- * Building 54
- * Building 56
- * Building 66
- * Building 73

The following Existing Facilities are to be Demolished AT THE 'END' OF THE PROJECT:

- * Building 36
- * Building 59
- * Building 65

The following Existing Facilities are to be Demolished AT THE 'BEGINNING' OF THE PROJECT:

- * Building 64
- * Building 64-T
- * Building 55 Concrete Pad, & Utilities (Facility already demolished)
- * Building 41 Sewer and Water Utilities (Facility already demolished)

It is understood that the demolition should include all below grade foundations, and utilities back to the existing 'main'.

Also, it was requested that an 'Optional Bid Item' be generated for the Facilities to be demo'd at the Beginning to be demo'd at the end of the construction project.

(The intent is to capture an expected savings (i.e. Deductive Cost) allowing the GC to mobilize and perform all demolition at one time).

Could you please confirm the above as soon as possible, and we will proceed with the documentation into the FINALS Design Submission. Thanks!

David Everett, AIA | Jacobs Global Buildings | Project Manager | p: 571.218.1340 | f: 571.218.1600 | david.everett@jacobs.com <<mailto:david.everett@jacobs.com>>

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us

immediately by replying to the message and deleting it from your computer.

Classification: UNCLASSIFIED

Caveats: NONE

From: [Everett, David](#)
To: [Glenn Donohue](#)
Cc: "[Daniel J. McLaughlin](#)"; [Meshberger, Steven](#)
Subject: RE: NEPA sandy projects reduce time possibilities (UNCLASSIFIED)
Date: Wednesday, August 20, 2014 11:29:36 AM

Thanks Glenn. This is helpful.

1. Could I ask that you folks generate a schedule for the MUSEUM effort (that we are under contract now for). It obviously is not critical path like the Sandy projects are, but we should show them it's moving forward and what our plan is.
2. I am actually finishing my internal correspondence (contract material, etc) to Steve Meshberger today to get you under contract (for the proposed \$18,500). The client called me today, and said the MOD should be issued to us **TODAY** (20-Aug-2014), so I wanted to get you guys going ASAP. I know we are very limited with time, so hopefully you guys can jump on this this week (tomorrow? [assuming everything falls into place]...so we start updating drawings next week...
 - a. Again, the 100% Documents are due next month, so the design team is going to need the VI details and Spec's as soon as possible
 - b. You have a copy of the latest Documents (inc Arch, Struct, drawings, etc) from the Recent 90% Finals Submission.
3. Are you planning on attending next weeks' Design Review meeting?

David Everett, AIA | Jacobs Global Buildings | Project Manager | p: 571.218.1340 | f: 571.218.1600 | david.everett@jacobs.com

From: Glenn Donohue [mailto:gdonohue@brinkenv.com]
Sent: Wednesday, August 20, 2014 11:17 AM
To: Everett, David
Cc: 'Daniel J. McLaughlin'
Subject: RE: NEPA sandy projects reduce time possibilities (UNCLASSIFIED)

David, See attached for use next Wednesday. Some minor edits were made since yesterday (no change to proposed timeframes). Is there anything new regarding authorizing the VI proposal?

Best,

Glenn Donohue
gdonohue@brinkenv.com

From: Everett, David [mailto:David.Everett@jacobs.com]
Sent: Wednesday, August 20, 2014 9:35 AM
To: Garron, William (William.Garron@njdmava.state.nj.us)

Cc: Simms, John W CW3 USARMY NG NJARNG (US) (john.w.simms3.mil@mail.mil); Rowbotham, Nancy E. CW3 (Nancy.e.Rowbotham.mil@mail.mil); Linda Croteau (Linda.Croteau@dmava.nj.gov); Ladner, Troylene (Troylene.Ladner@dmava.nj.gov); Appleby, Charles M CIV (US) (charles.m.appleby.civ@mail.mil); Glenn Donohue (gdonohue@brinkenv.com); dmclaughlin@brinkenv.com
Subject: FW: NEPA sandy projects reduce time possibilities (UNCLASSIFIED)

Bill and all,

FYI, on the Superstorm Sandy Environmental Assessment (EA) schedule and compressing some time periods per the correspondences below. We will also further discuss next week.

Thanks,
Dave

David Everett, AIA | Jacobs Global Buildings | Project Manager | p: 571.218.1340 | f: 571.218.1600 | david.everett@jacobs.com

-----Original Message-----

From: Glenn Donohue [<mailto:gdonohue@brinkenv.com>]
Sent: Tuesday, August 19, 2014 10:26 AM
To: 'Appleby, Charles M CIV (US)'
Cc: Everett, David; 'Daniel J. McLaughlin'
Subject: FW: NEPA sandy projects reduce time possibilities (UNCLASSIFIED)

Chuck, See attached revised schedule based upon reduced public comment periods. Tasks highlighted in yellow are review timeframes which should be brought to Jeff's attention. Based upon the schedule, the FNSI would be signed on or before December 17, 2014. If you have any questions please let me know; otherwise please feel free to forward to all interested parties as required.

Best,

Glenn Donohue
gdonohue@brinkenv.com

-----Original Message-----

From: Everett, David [<mailto:David.Everett@jacobs.com>]
Sent: Tuesday, August 19, 2014 9:08 AM
To: Glenn Donohue
Subject: RE: NEPA sandy projects reduce time possibilities (UNCLASSIFIED)

Thanks Glenn.

-----Original Message-----

From: Glenn Donohue [<mailto:gdonohue@brinkenv.com>]
Sent: Tuesday, August 19, 2014 9:08 AM
To: 'Appleby, Charles M CIV (US)'; 'Garron, William'
Cc: Everett, David; 'Daniel J. McLaughlin'
Subject: RE: NEPA sandy projects reduce time possibilities (UNCLASSIFIED)

Chuck- We will revise schedule based on below and send out.

Thanks,

Glenn Donohue
gdonohue@brinkenv.com

-----Original Message-----

From: Appleby, Charles M CIV (US) [<mailto:charles.m.appleby.civ@mail.mil>]
Sent: Monday, August 18, 2014 2:31 PM
To: Garron, William
Cc: Everett, David; 'Daniel J. McLaughlin'; Glenn Donohue
Subject: NEPA sandy projects reduce time possibilities (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Bill

NGB stated:

Time frame can be reduced by eliminating the public review of the Draft EA and reducing the review period of the Final EA/FNSI from 30 days to 15 days.

Both of these actions require NJARNG to prepare and submit requests to ILE for the Env. Div. Chief's approval. See Appendix S of the ARNG NEPA handbook for templates.

NGB would like to have the FNSI signed before Dec. 31 2014.

That being said Brinkerhoff can update the existing schedule based on the above.
Once the schedule is updated I will send it out.

Glen

Can you revise the schedule for this weeks meeting?

Chuck

Chuck Appleby
Chief, Environmental Management Branch
New Jersey National Guard
Tel. (609)530-7135, Cell (609)496-1353
Fax. (609)530-6880, DSN 445 9135
EMAIL: Charles.M.Appleby.civ@mail.mil

-----Original Message-----

From: Garron, William [<mailto:William.Garron@dmava.nj.gov>]
Sent: Monday, August 18, 2014 12:38 PM
To: Appleby, Charles M CIV (US)
Subject: FW: PPB (UNCLASSIFIED)

Chuck,
Any updates on the NEPA for the Sandy projects?

Bill

-----Original Message-----

From: Balvin, Bruce S MAJ USARMY NG NGB (US) [<mailto:bruce.s.balvin.mil@mail.mil>]
Sent: Monday, August 18, 2014 11:15 AM
To: Garron, William
Subject: PPB (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Bill,
Where are we on environmental for the PPB at Sea Girt?

MAJ Balvin, Bruce S. (FME - Region I)
National Guard Bureau - Arlington Hall
111 South George Mason Drive
Arlington, Virginia 22204-1373
703-607-7951 desk
327-7951 DSN
703-607-7987 fax
469-363-6644 cell
bruce.s.balvin.mil@mail.mil

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

APPENDIX D

APPENDIX E



NATIONAL GUARD BUREAU

111 SOUTH GEORGE MASON DRIVE
ARLINGTON VA 22204-1373

ARNG-ILE-AE

07 August 2014

MEMORANDUM FOR ARNG-ILI-C, (MAJ Bruce Balvin), 111 S. George Mason Drive, Arlington, VA 22204

SUBJECT: Review of National Environmental Policy Act (NEPA) documentation for the Sea Girt Telecom Infrastructure Duct Bank System (MILCON P/N: 1646-340130), New Jersey Army National Guard (NJARNG) Training Center, Sea Girt, New Jersey.

1. References:

a. ARNG Checklist and Record of Environmental Consideration, Superstorm Sandy Disaster Response Project, New Jersey Army National Guard Training Center, Sea Girt, New Jersey, 01 August 2014.

b. 32 CFR Part 651, Environmental Analysis of Army Actions; Final Rule, 29 March 2002.

c. The Army National Guard NEPA Handbook, 1 October 2011.

2. Sea Girt National Guard Training Center sustained damage during Superstorm Sandy and has been approved for MILCON funds to repair and replace infrastructure damaged in the storm. The NJARNG prepared a NEPA Record of Environmental Consideration and Checklist (REC/CHECK, reference 1a) for MILCON project number 1646-34013, Communication Lines and Duct Bank, Underground.

3. ARNG-ILE completed a review of the REC/CHECK and determined that it documents NEPA compliance and is prepared in accordance with references 1b and 1c.

4. The point of contact is Mr. Jeffrey Coron, Eastern Region NEPA PM, DSN 327-9157, 703-607-9157, or jeffrey.l.coron.ctr@mail.mil.



SAMUEL A. HARRIS
MAJ, MS
Chief, Assessments and
Evaluation Branch

CF:
Mr. Charles Appleby, NJARNG

PART B - DECISION ANALYSIS (continued)

7. Will there be reportable releases of hazardous or toxic substances as specified in 40 CFR Part 302? If action meets screening criteria but is assessed in an existing EA or EIS, check NO and proceed to the next question.

- YES (go to #30) NO (go to #8)

8. If proposed action is in a non-attainment or maintenance area, will air emissions exceed de minimus levels or otherwise require a formal Clean Air Act (CAA) conformity determination? If action meets screening criteria but is assessed in an existing EA or EIS, check NO and proceed to the next question.

- YES (go to #30) NO (go to #9) NA (go to #9)

9. Will the project have effects on the quality of the environment that are likely to be highly controversial? If action meets screening criteria but is assessed in an existing EA or EIS, check NO and proceed to the next question.

- YES (go to #30) NO (go to #10)

10. Will the project establish a precedent (or make decisions in principle) for future or subsequent actions that are reasonably likely to have future significant effects? If action meets screening criteria but is assessed in an existing EA or EIS, check NO and proceed to the next question.

- YES (go to #30) NO (go to #11)

11. Has federal funding been secured for the Innovative Readiness Training (IRT) project?

- N/A (go to #13) YES (go to #13) NO (go to #12)

12. NOTE: IRT projects not currently funded can secure approved NEPA documentation. However, once funding is secured State ARNG is required to coordinate with ARNG-ILE-T to complete natural and cultural surveys via proponent funding.

- CONFIRMED (go to #27)

13. Do you have a species list from the U.S. Fish and Wildlife Service that is less than 90 days old?

- YES (go to #14) Date of List: 27 Feb 2014 NO (update species list return to #13)

14. In reviewing the species list, what determination was made by the State ARNG?

- No species present (go to #16)
 No affect (go to #16)
 May affect but not likely to adversely affect (go to #15) Date of USFWS concurrence: _____
 May affect likely to adversely affect (go to #15)

15. Does an existing Biological Opinion cover the action?

- YES (go to #16) Date of BO: _____ NO (go to #30)

16. Have the Endangered Species Act, Section 7 requirements completed?

- YES (go to #17) Date of Documentation: 30 May 2014 NO (complete documentation, return to #16)

17. Does the project involve an undertaking to a building or structure that is 50 years of age or older?

- YES (go to #18) NO (go to #20)

18. Has the building or structure been surveyed for the National Register of Historic Places?

- YES (go to #19) NO (complete inventory, return to #18)

19. Is the building or structure eligible for or listed on the National Register of Historic Places?

- YES (go to #20) NO (go to #20)

20. Does the action involve ground disturbing activities?

- YES (go to #21) NO (go to #22)

21. Has an archaeological inventory or research been completed to determine if there are any archeological resources present?

- YES (go to #22) NO (complete inventory or conduct research, return to #21)

22. In reviewing the undertaking, under the National Historic Preservation Act (NHPA) (for both above and below ground resources), what determination was made by the State ARNG?

- No 106 undertaking; no additional consultation required under NHPA (go to question #27)
 No properties affected (go to #24) Date of SHPO Concurrence: _____
 No adverse effect (go to #24) Date of SHPO Concurrence: _____
 Adverse effect (go to #23)

23. Has the State ARNG addressed the adverse effect?

- YES (place date of MOA or existing PA and explanation of mitigation in box below, go to #24) NO (go to #30)

23a.

PART B - DECISION ANALYSIS (continued)

24. Per DoDI 4710.02 did the state ARNG determine that tribal consultation was necessary for this project?

- YES (go to #25)
 NO (Provide reason in this block 24a, go to #27)

24a. Tribes have indicated they are not interested in projects of this type at Sea Girt. Refer to Sea Girt RTI EA. Tribal Consultation performed, See sec. 3.8.3. Tribes have previously indicated they have no concern since we comply with ICRMP re: Inadvertent Discovery

25. Did the Tribes express an interest or respond with concerns about the project?

- YES (go to #26) NO (go to #27) Date of Documentation:

26. Has the State ARNG addressed the Tribal concerns?

- YES (place date of MOU or explanation of how State ARNG addressed tribal concerns in box below, go to #27)
 NO (address concerns, return to #26)

Complete only if additional documentation is required in question #26

26a.

27. Does the project involve an unresolved effect on areas having special designation or recognition such as those listed below? For any yes responses go to #30 otherwise go to #28. If any No response is a result of negotiated and/or previously resolved effects please describe resolution in box 27a below.

TYPE	Unresolved Effects?	TYPE	Unresolved Effects?
a. Prime/Unique Farmland	no	e. Wild/Scenic River	no
b. Wilderness Area/National Park	no	f. Coastal Zones	no
c. Sole-Source Aquifer	no	g. 100-year Floodplains	no
d. Wetlands	no	h. National Wildlife Refuges	no

27a. The project is located within the Coastal Zone. The NJDEP has agreed that no coastal zone permit is required in a letter dated 30 August 2012.

28. Is this project addressed in a separate EA or EIS review?

- YES (complete table below; go to Part C, Determination) NO (go to #29)

Document Title:	Environmental Assessment for Regional Training Institute Construction and Updates for the NJANG
Lead Agency:	New Jersey Army National Guard
Date of Decision Document:	Finding of No Significant Impact, 8 July 2013

29. Does the project meet at least one of the categorical exclusions listed in 32 CFR 651 App B?

- YES (complete table below; go to Part C, Determination) NO (go to #30)

List primary CAT EX code	C-1: Construction of an addition to an existing structure or new...
Describe why CAT EX applies	Project meets the definition in that it is construction of an addition to an existing structure (utility) and new construction on a previously undisturbed site if the area to be disturbed and has no more than 5.0 cumulative acres of new surface disturbance.

30. At this time your project has not met all the qualifications for using a categorical exclusion under 32 CFR 651. Unless the scope of the project is changed, it will require an Environmental Assessment or possibly an Environmental Impact Statement. If you feel this is in error, please call your NEPA Regional Manager to discuss. If needed, go to Part C Determination.

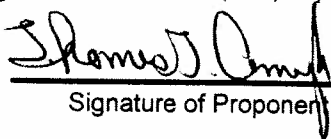
Additional Information (if needed):

8. NJ is non-attainment for 8hr ozone and the project will not exceed a CAA conformity report.
 16. Per the USFWS, ESA Handbook, dated March 1998, NJARNG has determined that the subject project will "NOT AFFECT" the listed endangered species at Sea Girt NJTF and therefore the NJARNG does not need to consult with the USFWS. The facility has a USFWS/NJDEP/NGB approved INRMP that provides management recommendations of listed species and no listed species habitat is located within the telecom installation area. The EA for the RTI address this in detail see Sec. ... 4.7 Biological Resources et. seq.
 29. This project may encounter asbestos and /or lead paint and therefore a REC is being completed.
 Ref. Document: Environmental Assessment for Regional Training Institute Construction and Updates for the new Jersey Army National Guard Sea Girt National Training Center Sea Girt. Monmouth County New Jersey. Dated July 2013. Document no. 60133371-1, Contract No.W912DS-07-D-0006.
 Other:
 a. The Sea Girt facility has an NJDEP approved Wetland letter of interpretation (expires 3 August 2017) and no wetlands are located within the proposed work area.
 b. The groundwater underlying the project work site is contaminated by Off-Site contamination (White Swan Cleaners/Sun Cleaners Area Groundwater Contamination EPA ID#: NJSFN0204241). De-watering will be conducted in accordance with the RTI De-watering Plan concepts as approved by the NJDEP.

PART C - DETERMINATION

On the basis of this initial evaluation, the following is appropriate:

- IAW 32 CFR 651 Appendix B, the proposed action qualifies for a Categorical Exclusion (CX) that does not require a Record of Environmental Consideration.
- A Record of Environmental Consideration (REC).
- An Environmental Assessment (EA).
- A Notice of Intent (NOI) to prepare an Environmental Impact Statement (EIS).



Signature of Proponent (Requester)

Thomas G. Comyack

Printed Name of Proponent (Requester)

4 AUG 14

Date Signed



Environmental Program Manager

Charles M. Appleby

Printed Name of Env. Program Manager

4 Aug 14

Date Signed

Other concurrence (as needed):



Signature

COL Michael Lyons

Printed Name
6 Aug 2014

Date Signed

Signature

Printed Name

Date Signed

Signature

Printed Name

Date Signed

Signature

Printed Name

Date Signed

Signature

Printed Name

Date Signed

Signature

Printed Name

Date Signed

Enviro Tracking #:	ARNG Record of Environmental Consideration	State ARNG
Enter information in the yellow shaded areas.		

1. PROJECT NAME:
Superstorm Sandy Disaster Response Project, New Jersey Army National Guard National Guard Training Center, Sea Girt, New Jersey

2. PROJECT NUMBER: (MILCON if applicable) MILCON 1646-340130	3. DATE PREPARED: 01 August 2014
--	--

4. START DATE of PROPOSED ACTION (dd-mmm-yy): **01-Nov-14** Note: This must be a future date

5. PROGRAMMED FISCAL YEAR: 2013

6. END DATE (if applicable):

7. DESCRIPTION AND LOCATION OF THE PROPOSED ACTION:
a. Location (Include a detailed map, if applicable):
New Jersey Army National Guard National Guard Training Center, Sea Girt, New Jersey, See Attached Project Summary & Map

b. Description:
A site telecommunications infrastructure ductbank system consisting of communications ductbank, manholes, handholes will provide underground pathways for installation of communications cabling to the General Instruction Building & Troup Dispensary Medical Building (GIB/MED), the Engineering-Housing

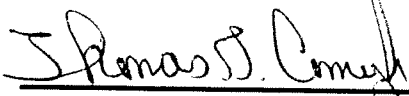
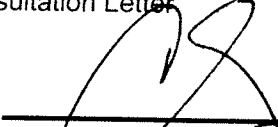
8. CHOOSE ONE OF THE FOLLOWING:

- An existing environmental assessment* adequately covers the scope of this project. Attach FNSI if EA was completed by another federal agency (non-ARNG).
EA Date (dd-mmm-yy): _____ Lead Agency: **New Jersey Army National Guard**
- An existing environmental impact statement* adequately covers the scope of this project.
EIS Date (dd-mmm-yy): _____ Lead Agency: _____
- After reviewing the screening criteria and completing the ARNG environmental checklist, this project qualifies for a Categorical Exclusion Code:
C-1: Construction of an addition to an existing structure or new...
See 32 CFR 651 App. B
Categorical Exclusion Code:
See 32 CFR 651 App. B
- This project is exempt from NEPA requirements under the provisions of:
Cite superseding law: _____

*Copies of the referenced EA or EIS can be found in the ARNG Environmental Office within each state.

9. REMARKS:
If Lead Paint or Asbestos are encountered they shall be managed in accordance with all applicable laws, regulations and guidelines.

Attachments: Site Map, USFWS Endangered Species List and Consultation Letter

 _____ Signature of Proponent (Requester) Thomas G. Comyack _____ Printed Name of Proponent (Requester) 4 AUG 14 _____ Date Signed	 _____ Environmental Program Manager Charles M. Appleby _____ Printed Name of Env. Program Manager 4 Aug 14 _____ Date Signed
---	---

Proponent Information:

10. Proponent: CFMO-NJ

11. Address: 101 Eggert Crossing Road

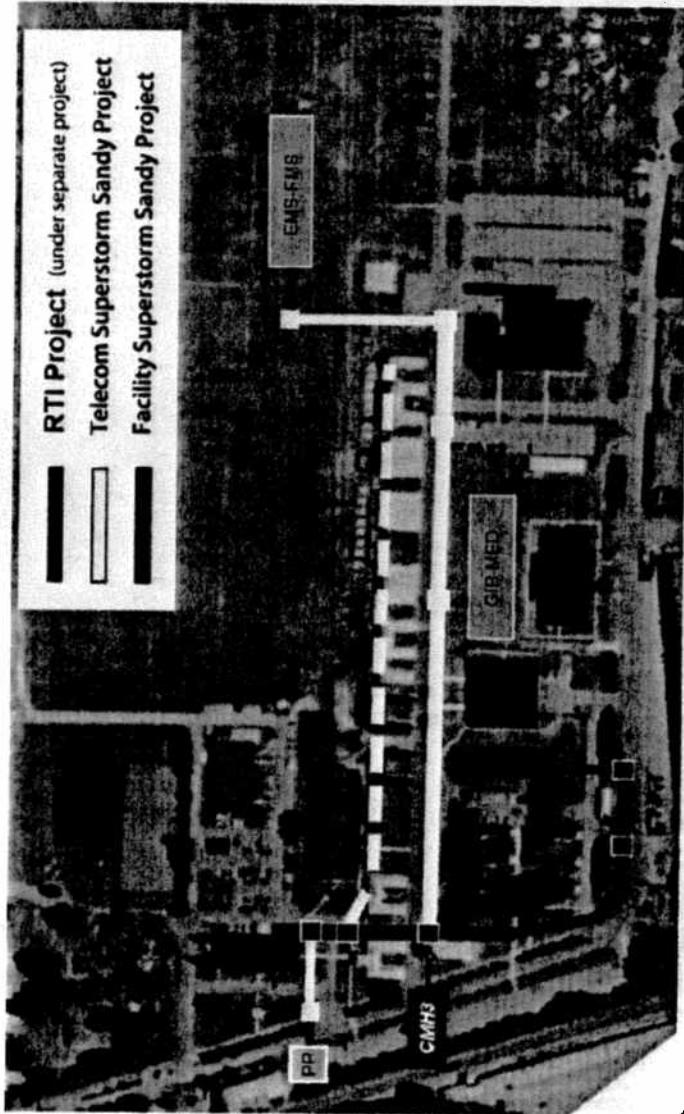
12. POC: Mr. Thomas G. Comyack

13. Comm. Voice: 1-609-530-7134

14. Proponent POC e-mail: Thomas.g.comyack@us.army.mil

CONCEPT SITE PLANS

The following Site Plan (below) for the design of the new NJARNG Telecom Infrastructure project schematically represents the extent/configuration (and integration w current RTI project under construction) that will be located at the Sea Girt National Guard Training Center (NGTC). 'Finals' Drawings, Specifications, and Design Analysis and Calculations of the *Telecom Project* is included within this submission package for review.



INERASTDIUCTIIDE (Telecom Duntham) SITE DI AN _ N T S

Figure 1 - Telecom Project Site map.
mlcon 1646-340130



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New Jersey Ecological Services Field Office
927 NORTH MAIN STREET, BUILDING D
PLEASANTVILLE, NJ 8232
PHONE: (609)646-9310 FAX: (609)646-0352

URL: www.fws.gov/northeast/njfieldoffice/Endangered/consultation.html

Consultation Tracking Number: 05E2NJ00-2014-SLI-0433

July 21, 2014

Project Name: NJANG Sea Girt Sandy MILCON 1646 340130

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project.

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species that may occur in your proposed action area and/or may be affected by your proposed project. This species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under Section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*)

If the enclosed list indicates that any listed species may be present in your action area, please visit the New Jersey Field Office consultation web page as the next step in evaluating potential project impacts: <http://www.fws.gov/northeast/njfieldoffice/Endangered/consultation.html>

On the New Jersey Field Office consultation web page you will find:

- habitat descriptions, survey protocols, and recommended best management practices for listed species;
- recommended procedures for submitting information to this office; and
- links to other Federal and State agencies, the Section 7 Consultation Handbook, the Service's wind energy guidelines, communication tower recommendations, the National Bald Eagle Management Guidelines, and other resources and recommendations for protecting wildlife resources.

The enclosed list may change as new information about listed species becomes available. As per Federal regulations at 50 CFR 402.12(e), the enclosed list is only valid for 90 days. Please return to the ECOS-IPaC website at regular intervals during project planning and implementation to obtain an updated species list. When using ECOS-IPaC, be careful about drawing the boundary of your Project Location. Remember that your action area under the ESA is not limited to just the footprint of the project. The action area also includes all areas that may

be indirectly affected through impacts such as noise, visual disturbance, erosion, sedimentation, hydrologic change, chemical exposure, reduced availability or access to food resources, barriers to movement, increased human intrusions or access, and all areas affected by reasonably foreseeable future that would not occur without ("but for") the project that is currently being proposed.

We appreciate your concern for threatened and endangered species. The Service encourages Federal and non-Federal project proponents to consider listed, proposed, and candidate species early in the planning process. Feel free to contact this office if you would like more information or assistance evaluating potential project impacts to federally listed species or other wildlife resources. Please include the Consultation Tracking Number in the header of this letter with any correspondence about your project.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: NJANG Sea Girt Sandy MILCON 1646 340130

Official Species List

Provided by:

New Jersey Ecological Services Field Office
927 NORTH MAIN STREET, BUILDING D
PLEASANTVILLE, NJ 8232

(609) 646-9310

<http://www.fws.gov/northeast/njfieldoffice/Endangered/consultation.html>

Consultation Tracking Number: 05E2NJ00-2014-SLI-0433

Project Type: Military Operations / Maneuvers

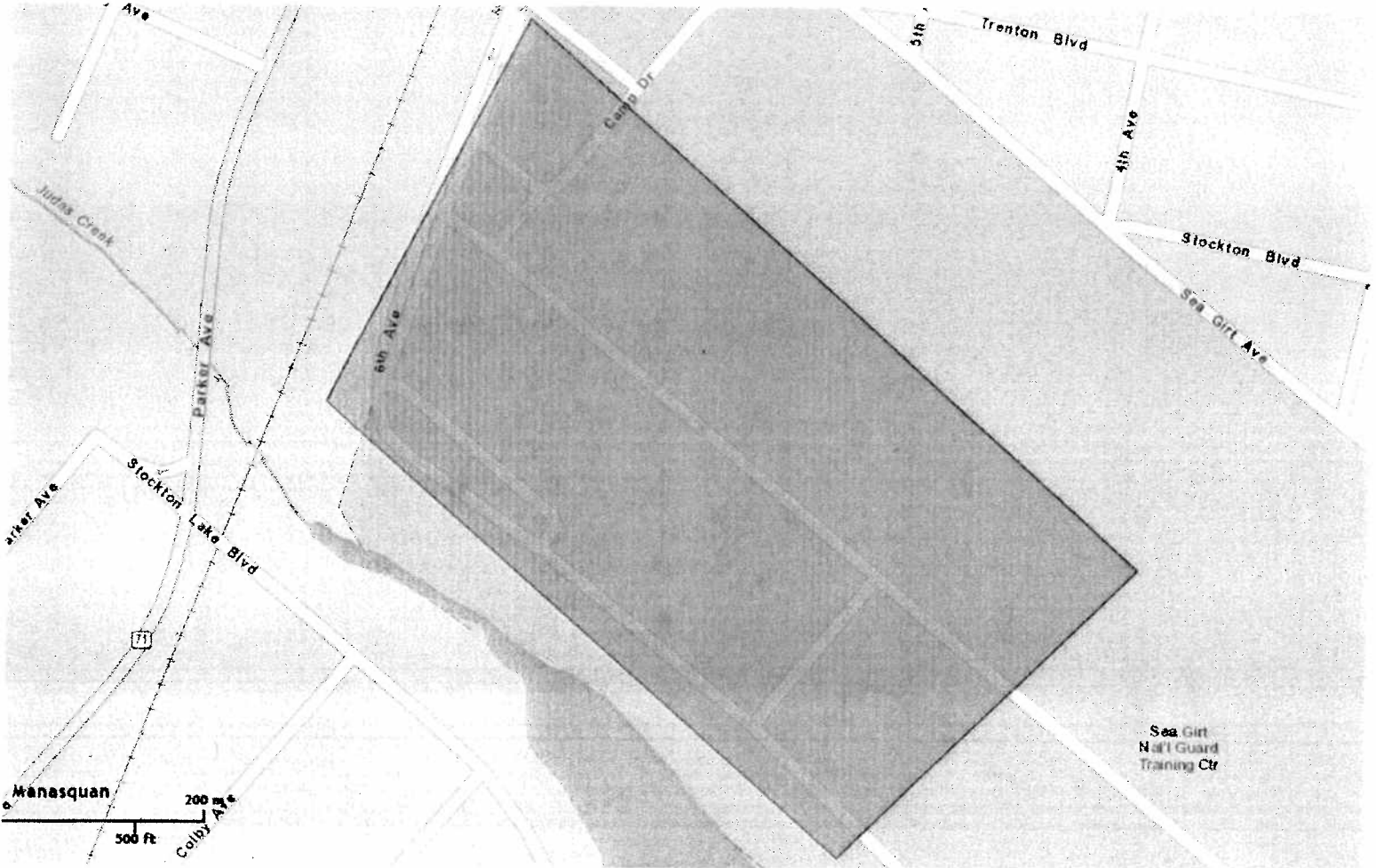
Project Description: A site telecomm. infrastructure duct bank system consisting of duct bank, manholes that will provide underground pathways for installation of cabling to the General Instruction Building & Troop Dispensary Medical Building (GIB/MED), the Engineering-Housing Maintenance & Vehicle Maintenance Shop Building (EMS/FMS), the Power Plant Building (PP) and existing buildings at the Sea Girt Installation.



United States Department of Interior
Fish and Wildlife Service

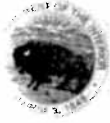
Project name: NJANG Sea Girt Sandy MILCON 1646 340130

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-74.0427899 40.128503, -74.0378546 40.125074, -74.0402579 40.1232691, -74.0444207 40.1261076, -74.0427899 40.128503)))

Project Counties: Monmouth, NJ



United States Department of Interior
Fish and Wildlife Service

Project name: NJANG Sea Girt Sandy MILCON 1646 340130

Endangered Species Act Species List

There are a total of 2 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Birds	Status	Has Critical Habitat	Condition(s)
Piping Plover (<i>Charadrius melodus</i>) Population: except Great Lakes watershed	Threatened	Final designated	
Flowering Plants			
Seabeach amaranth (<i>Amaranthus pumilus</i>)	Threatened		



United States Department of Interior
Fish and Wildlife Service

Project name: NJANG Sea Girt Sandy MILCON 1646 340130

Critical habitats that lie within your project area

There are no critical habitats within your project area.



United States Department of the Interior
FISH AND WILDLIFE SERVICE



New Jersey Field Office
 927 North Main Street, Building D
 Pleasantville, New Jersey 08232
 Tel: 609-646-9310 Fax: 609-646-0352
<http://www.fws.gov/northeast/njfieldoffice>

IN REPLY REFER TO:
 13-I-0155a

MAY 30 2014

Charles Appleby
 CFMO-EMB
 Lawrenceville, New Jersey 08648
 Email: Charles.M.Appleby,civ@mail.mil

Reference: Sea Girt National Guard Training Center, Post-Hurricane Sandy Replacement Buildings and Infrastructure, Sea Girt Borough, Monmouth County, New Jersey

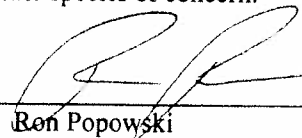
The U.S. Fish and Wildlife Service (Service) has reviewed the above-referenced proposed project pursuant to the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) (ESA) to ensure the protection of federally listed endangered and threatened species. The following comments do not address all Service concerns for fish and wildlife resources and do not preclude separate review and comment by the Service as afforded by other applicable environmental legislation.

A known occurrence or potential habitat for the following federally listed or candidate species is located on or near the project's impact area. However, the Service concurs that the proposed project is not likely to adversely affect federally listed or candidate species for the reasons listed below.

Species	Basis for Determination
Seabeach amaranth (<i>Amaranthus pumilus</i>), Threatened	No seabeach amaranth present in the action area. Effects to the species are discountable.
Piping plover (<i>Charadrius melodus</i>), Threatened	All construction activities will occur over ½ mile from potential piping plover nesting and foraging areas. Effects to the species are discountable.

Except for the above-mentioned species, no other federally listed or proposed threatened or endangered flora or fauna under Service jurisdiction are known to occur within the proposed project's impact area. Therefore, no further consultation pursuant to the ESA is required. If additional information on federally listed species becomes available, or if project plans change, this determination may be reconsidered.

Please refer to this office's web site at <http://www.fws.gov/northeast/njfieldoffice/Endangered/> for further information including federally listed and candidate species lists, procedures for requesting ESA review, the National Bald Eagle Management Guidelines, and contacts for obtaining information from the New Jersey Natural Heritage and Endangered and Nongame Species Programs regarding State-listed and other species of concern.

Authorizing Supervisor: 
 Ren Popowski

APPENDIX F



NATIONAL GUARD BUREAU

111 SOUTH GEORGE MASON DRIVE
ARLINGTON VA 22204-1382

ARNG-ILI-C

MEMORANDUM FOR THE DEPUTY ASSISTANT SECRETARY OF THE ARMY,
INSTALLATIONS, HOUSING AND PARTNERSHIPS (DASA-IH&P)

SUBJECT: Request For Authority Under Executive Order 11988 to Execute Military
Construction Within Known Flood Plain-ACTION MEMORANDUM

1. Purpose: To obtain the necessary approval under Executive Order 11988, 24 May 77, to construct two surface parking lots located within the 100-year floodplain. These two parking lots will support replacement facilities located outside the 100-year floodplain under the Superstorm Sandy Disaster Response projects located at the National Guard Training Center (NGTC). These two new surface parking lots for the new Troop Dispensary/Health Clinic and General Instruction Building (GIB), and new Engineering/Housing Maintenance Shop (EHMS)/Facilities Maintenance Shop (FMS) will support training of the New Jersey Army National Guard at the New Jersey Training Center (NJARNG), Sea Girt, New Jersey.
2. Discussion: The Adjutant General, New Jersey, has requested authority to construct two surface parking lots to support the Health Clinic/GIB, and EHMS/FMS at Sea Girt, New Jersey. The proposed facility is required to meet current training demands and to replace inadequate and substandard facilities that do not meet current State and Local building codes. A copy of Documentation of Compliance with Executive Order 11988 FLOODPLAIN MANAGEMENT, dated December 2014, and prepared by the Jacobs Engineering, Corp (Enclosure 1).
3. The design of this facility has been reviewed by local government agencies and is in process of state review. The NJARNG is also coordinating its efforts with State and Local governments to insure that all regulations and mitigation requirements are met to mitigate any potential damage resulting from flooding.
4. Recommendation: That under Sections 2 and 3, Executive Order 11988, authority for construction in a known flood plain for the Health Clinic/GIB, EHMS/FMS parking lot projects, Sea Girt, New Jersey, be granted under Major Construction provisions of the Army National Guard program.

ARNG-ILI-C

SUBJECT: Request For Authority Under Executive Order 11988 to Execute Military Construction Within Known Flood Plain-ACTION MEMORANDUM

5. The point of contact for this action is MAJ Gloria S. Herndon, Construction Branch Chief, Installations Division, National Guard Bureau at gloria.s.herndon.mil@mail.mil or (703)607-7941.

Encl
as

Erik T. Gordon
COL, IN
Installations Division Chief

Daniel J. McLaughlin

From: Appleby, Charles M CIV (US) <charles.m.appleby.civ@mail.mil>
Sent: Monday, April 27, 2015 1:57 PM
To: Everett, David; Daniel J. McLaughlin; gdonohue@brinkenv.com; Linda Croteau (Linda.Croteau@dmava.nj.gov)
Cc: Joe.Dunleavy@dmava.nj.gov; William.Garron@dmava.nj.gov
Subject: RE: Sea Girt Legal Review (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

All
I spoke with Linda and no comments were received.

Chuck Appleby
Chief, Environmental Management Branch
New Jersey National Guard
Tel. (609)530-7135, Cell (732)575-7028
Fax. (609)530-6880, DSN 445 9135
EMAIL: Charles.M.Appleby.civ@mail.mil

-----Original Message-----

From: Everett, David [mailto:David.Everett@jacobs.com]
Sent: Tuesday, April 21, 2015 1:24 PM
To: Daniel J. McLaughlin; Appleby, Charles M CIV (US); gdonohue@brinkenv.com; Linda Croteau (Linda.Croteau@dmava.nj.gov)
Cc: Joe.Dunleavy@dmava.nj.gov; William.Garron@dmava.nj.gov
Subject: RE: Sea Girt Legal Review (UNCLASSIFIED)

Linda,

Can you confirm whether you received any comments on the Public Notice that was issued for the Executive Order (see Appendix F)? Thanks.

David Everett, AIA | Jacobs Global Buildings | Project Manager | p: 571.218.1340 | f: 571.218.1600 | david.everett@jacobs.com <mailto:david.everett@jacobs.com>

From: Daniel J. McLaughlin [mailto:dmclaughlin@brinkenv.com]
Sent: Tuesday, April 21, 2015 1:16 PM
To: Everett, David; 'Appleby, Charles M CIV (US)'; gdonohue@brinkenv.com
Cc: Joe.Dunleavy@dmava.nj.gov; William.Garron@dmava.nj.gov
Subject: RE: Sea Girt Legal Review (UNCLASSIFIED)

Thanks David. I do have this. The report is dated December 2014 and the open public comment period was scheduled to end February 12, 2015. Per the public notice, comments were to be directed to Linda Croteau (DMAVA). Please verify that no comments were received by the end of the public comment period.

Thanks,

Daniel J. McLaughlin
dmclaughlin@brinkenv.com
<mailto:dmclaughlin@brinkenv.com> cid:502491820@02102008-14D9
1805 Atlantic Avenue
Manasquan, NJ 08736
Phone: 732-223-2225
Fax: 732-223-3666
Web: www.BrinkEnv.com <<http://www.brinkenv.com/>>

From: Everett, David [mailto:David.Everett@jacobs.com]
Sent: Tuesday, April 21, 2015 12:06 PM
To: Daniel J. McLaughlin; 'Appleby, Charles M CIV (US)'; gdonohue@brinkenv.com <mailto:gdonohue@brinkenv.com>
Cc: Joe.Dunleavy@dmava.nj.gov; William.Garron@dmava.nj.gov
Subject: RE: Sea Girt Legal Review (UNCLASSIFIED)

Daniel,

See attached email with Final EO document that has Public Notice (and issuance) documentation (e.g. Appendix F information).

Is this what you were looking for?

David Everett, AIA | Jacobs Global Buildings | Project Manager | p: 571.218.1340 | f: 571.218.1600 | david.everett@jacobs.com <mailto:david.everett@jacobs.com>

-----Original Message-----

From: Daniel J. McLaughlin [mailto:dmclaughlin@brinkenv.com]

Sent: Tuesday, April 21, 2015 11:40 AM

To: 'Appleby, Charles M CIV (US)'; gdonohue@brinkenv.com

Cc: Joe.Dunleavy@dmava.nj.gov; William.Garron@dmava.nj.gov <mailto:William.Garron@dmava.nj.gov> ; Everett, David

Subject: RE: Sea Girt Legal Review (UNCLASSIFIED)

Chuck,

We have the floodplain management analysis report (dated December 2014) and it appears to adequately follow the 8-step evaluation process described in EO 11988. Brigadier General Cunniff issued a certificate of compliance for the report (dated 12/16/15; note the date is a typo). The one appendix that appears to be outstanding is documentation of the 30-day public notice/explanation, which the report states was initiated and should be

complete by now.

Daniel J. McLaughlin

dmclaughlin@brinkenv.com <mailto:dmclaughlin@brinkenv.com>

1805 Atlantic Avenue

Manasquan, NJ 08736

Phone: 732-223-2225

Fax: 732-223-3666

Web: www.BrinkEnv.com <http://www.BrinkEnv.com>



New Jersey Army National Guard (NJARNG) National Guard Training Center Sea Girt, New Jersey

DOCUMENTATION OF COMPLIANCE WITH EXECUTIVE ORDER 11988 (FLOODPLAIN MANAGEMENT)

Superstorm Sandy Disaster Response Projects

PROJECT NUMBERS:

- | | |
|---|------------|
| • Troop Dispensary/Health Clinic (MED) | PN: 340126 |
| • General Instruction Building (GIB) | PN: 340128 |
| • Engineering Housing Maintenance Shop (EHMS) | PN: 340127 |
| • Vehicle Maintenance Shop (FMS) | PN: 340124 |
| • Power Plant Building (PPB) | PN: 340129 |
| • Communications Lines & Underground Ductbank | PN: 340130 |

DECEMBER 2014

DOCUMENTATION OF COMPLIANCE WITH EXECUTIVE ORDER 11988
(FLOODPLAIN MANAGEMENT)

Superstorm Sandy Disaster Response Projects

Prepared For:

CFMO-NJ
New Jersey Army National Guard
101 Eggerts Crossing Road
Lawrenceville, NJ 08648

Prepared By:

Jacobs
1100 North Glebe Road
Suite 500
Arlington, VA 22201



TABLE OF CONTENTS

A. INTRODUCTION..... 1

 1. Purpose 1

 2. Background 1

 3. Executive Order 11988 11

B. PROPOSED ACTION 12

C. COMPLIANCE 13

D. CONCLUSION 19

E. LIST OF FIGURES

 1. Figure 1: Vicinity Sketch of NJARNG – Sea Girt National Guard Training Center (NGTC)

 2. Figure 2: Zoning Map (Land Use)

 3. Figure 3: Overall Site Plan

F. LIST OF APPENDICIES

 1. Appendix A: NGB 415-5

 2. Appendix B: Civil Site Plans

 3. Appendix C: Executive Order 11988, Floodplain Management

 4. Appendix D: Certificate of Compliance for EO 11988/11990

 5. Appendix E: Flood Insurance Rate Map (FIRM)

 6. Appendix F: Public Notice - Affidavit of Publication

 7. Appendix G: DD Forms 1390/91’s, dated 21 March 2013

 8. Appendix H: Executive Order 11990, Protection of Wetlands

 9. Appendix I: Federal Emergency Management Agency (FEMA) Elevation Certificates



December 2014





A. INTRODUCTION

A.1 PURPOSE

The purpose of this report is to document compliance with Executive Order (EO) 11988, Floodplain Management, for the construction of the proposed actions, a new Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility, an Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility, a Power Plant Building (PPB), and Communications Lines and Underground Duct bank infrastructure to be located at the New Jersey National Guard Training Center (NGTC) in Sea Girt, Monmouth County, New Jersey. The intent of this documentation is to provide information for the National Guard Bureau (NGB) to request for review and approval by the Assistant Secretary of the Army, Installations, Energy & Environmental – Installations, Housing & Partnerships (ASAIEE IH&P) under EO 11988 to execute the military construction project which is partially located in a known 100-year floodplain (*Note: applicable areas are vehicle parking areas only, no new facilities*). This documentation was prepared concurrently as a corresponding Environmental Assessment (EA) is being completed for the project in accordance with the National Environmental Policy Act (NEPA) and implementing regulations issued by the Council on Environmental Quality (CEQ) and 32 Code of Federal Regulations (CFR) Part 651.

A.2 BACKGROUND

The New Jersey Army National Guard (NJARNG) proposes the construction of new replacement facilities consisting of a Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility, an Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility, a Power Plant Building (PPB), and Communications Lines and Underground Ductbank infrastructure in response to damage sustained from Superstorm Sandy which struck New Jersey along the east coast in October 2012. The facilities will be located on approximately 171 acres of State owned property, of which a portion of the property is located within a tidally influenced floodplain. The property is deeded and zoned for military purposes, as shown in Figures 1 and 2.

The Superstorm Sandy Disaster Response Projects are one-for-one replacement facilities of existing facilities that were severely damaged during Superstorm Sandy due to storm surge, saltwater infiltration, high winds and heavy rains and can no longer support the mission requirements of their existing functions and operations. A comprehensive condition assessment was performed on all these damaged facilities and it was determined that due to the associated repair costs, facility age, location within a floodplain, loss of damage to facility contents, and current code compliance requirements, these facilities [MED, GIB, FMS, EHMS, PPB, and Telecom] should be replaced. If not provided, the ability of the organizational, units and personnel will be severely degraded and impacted in their ability to operate within their current assigned mission of which some of these facilities support the entire force structure of the New Jersey Army National Guard.



Once completed, these facilities will improve the readiness of the NJARNG by providing replacement facilities that meet the criteria requirements and optimizes the operation of the National Guard Training Center (NGTC) installation. Designed for flexibility and expandability, the modern facilities will support the current and future NGTC and NJARNG state mission requirements and operations, while being located outside of the delineated 100-year floodplain.

In accordance with NGB Pam 415-5, Chapter 6-5, f. (1)-(4), all proposed project sites are required to investigate practical alternatives to developing within a floodplain. In evaluating practical alternatives, mission requirements, environmental, and other pertinent factors are to be considered. In addition, projects are to be in compliance with Executive Order (EO) 11988, which requires justification within a floodplain, public involvement through a public notice, implementation of flood protection measures in accordance with National Flood Insurance Program (NFIP) guidelines, as well as minimizing harm to or within the floodplain.

In July 2013, the New Jersey Command Leadership and facility users participated in a detailed design charrette with Jacobs Engineering's architects and engineers, along with local environmental agencies, in a consensus-based forum to developing potential design solutions that aligned with the current master plan for the NGTC. Advantages and disadvantages of each scheme for each facility were discussed, evaluated, and ranked with all stakeholders, and ultimately a preferred site and floor plan layout scheme were selected for a Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility, an Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility, and a Power Plant Building (PPB). All facilities have been sited outside of the recently revised delineated 100-year floodplain, as depicted in 'Preliminary' FEMA Flood Insurance Rate Maps (FIRM) dated January 31, 2014. Two parking lots associated with the projects are to be located within the 100-year floodplain, with appropriate signage provided advising that the parking areas are subject to flooding.

The NJARNG has accepted the overall site layout all facilities from the Architect/Engineer of Record, as shown in Figure 3. Although located outside of the delineated 100-year floodplain, all the facilities have been designed with finished floor elevations set above the Base Flood Elevation (BFE), complying with NGB Pam 415-5 requirements. Refer to Appendix B for site plans of each facility, identifying the planned building footprint, finished floor elevations, and site grading. The following is a summary of the design approach for each facility:

Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB)

- Collocated and sited to the east of existing Building 11 (Dining Facility), north of existing Building 37, west of Anderson Drive, and south of Academy Way located within the National Guard Training Center in Sea Girt, New Jersey, encompassing approximately 2.00 acres.
- The facility is located entirely outside of the recently revised 100-year floodplain.
- Supporting infrastructure for the facility includes a Privately Owned Vehicle (POV) designed to accommodate 55 vehicles. Due to site constraints with adjacent roadways, buildings, and utility infrastructure, it is not feasible to co-locate the POV parking lot adjacent to the facility. The new POV parking lot is to be sited south of Governor Wilson



Drive, within an area formerly utilized as a storage/maintenance yard. This parking lot is located entirely within the 100-year floodplain, in a location that has previously been developed.

- The site for the proposed MED/GIB facility is currently comprised of an open space, grass area with an average slope of approximately one and a half (1.50) percent, draining from north to south. There is approximately three and a half (3.5) feet of elevation change across the site.
- The MED/GIB facility will be a slab-on-grade structure (i.e. no basement) with a finished floor elevation set at elevation 11.60. Although located outside the recently updated delineated 100-year floodplain, the finished floor elevation of the facility is to be set over 18-inches above the BFE and exceeds the requirements of NGB Pam 415-5.
- The site is to be graded in a manner that ensures positive drainage is provided away from the building on all sides, while not negatively impacting any of the existing structures located adjacent to the site.
- The proposed finished floor elevation has been set based on 'best-practices' design for positive drainage based on adjacent existing topographic conditions, which has also resulted in being above the recently revised 100-year flood elevations that resulted from Superstorm Sandy in October 2012.

Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS)

- Collocated and sited in the center of the National Guard Training Center (NGTC). The facility is located to the immediate north of a recently POV parking lot recently constructed under the RTI project.
- The facility (i.e. building) is located entirely outside of the recently revised 100-year floodplain.
- Infrastructure associated with the EHMS/FMS facility includes service yard areas on the north and south sides of the building, a vehicle access drive, concrete sidewalks, a perimeter control fence, two relocated fuel storage tanks, and a detached trash enclosure.
- The service areas north and south of the EHMS/FMS building lead to work bays, and consist of rigid pavement to accommodate the servicing of vehicles and storage outside the work bays.
- No additional POV parking is proposed with this facility. Personnel in this facility will utilize the new POV parking lot which is being constructed under the RTI project, immediately south of the site.
- The development for EHMS/FMS will include the construction of an organizational parking lot. The parking lot will be located south of Academy Way and east of the NJARNG Readiness Center (Building #35). The surface area of the parking lot site is approximately 0.56 acres, consisting of rigid concrete pavement, and intended to



accommodate 27 organizational parking spaces. The southern portion of the organizational parking lot does encroach into the delineated 100–year floodplain.

- The EHMS/FMS site is located on the downstream side of a drainage shed occupied by athletic fields (soccer and lacrosse). It is approximately 9.5 acres and covered by short grass. The topography is characterized by mild to flat slopes (1.5% to 0.4%). Runoff flows in a southerly direction towards Academy Way with no inlet structures or facilities within the EHMS/FMS site to capture the runoff from the watershed.
- The EHMS/FMS facility will be a slab-on-grade (i.e. no basement) structure with a finished floor elevation that will be set at elevation 14.35, which is roughly 2.5 feet above the average existing grade of the site. This will allow the site to divert runoff away from the EHMS/FMS facility and from other areas upstream of the drainage shed where it is located.
- Although located outside the recently updated delineated 100–year floodplain, the finished floor elevation of the facility is to be set over four (4) feet above the BFE and exceeds the requirements of NGB Pam 415-5.
- The area immediately around the EHMS/FMS facility and hardstand has been graded to slope at approximately two (2) percent away from the building in all directions, towards a combination of grassed swales and stormwater management facilities located on the east, south, and west sides of the site. A series of drainage inlets and storm sewers located within the stormwater management facilities will capture and convey overflow within the facilities, and connect to an existing storm sewer system that discharges directly into tidally influenced Stockton Lake to the south of the NGTC.
- The site for the organizational parking is located right between the static display exhibit yard and Building #35's parking lot. This area is covered by short grass, and has no trees or ground cover. The area has an approximate slope of one (1) percent slope and drains to the southwest.
- The organizational parking lot is graded in a manner which slopes the lot from east to west, at approximately 1.50 to 2.00 percent, towards a stormwater management facility located to the west of the lot. A concrete curb is provided on the west side of the parking lot with multiple openings to convey the captured runoff down a riprap lined embankment, and into the stormwater management facility. A swale located on the east side of the lot is provided to capture and convey off-site runoff away from parking lot.

Power Plant Building (PPB)

- The Power Plant Building (PPB) will be located at the west of end of the National Guard Training Center (NGTC), on the west side of Governor Wilson Drive.
- The facility (i.e. building) is located entirely outside of the recently revised 100–year floodplain.



- The 0.50 acre site is bounded by a Verizon Building and parking lot to the north, a photovoltaic (PV) solar array and parking lot to the south, Governor Wilson Drive to the east, and a railroad right-of-way to the west.
- Infrastructure associated with the Power Plant Building includes two fuel storage tanks and a chain link fence which surrounds the tanks to meet AT/FP requirements.
- The PPB site is currently comprised of an asphalt surface parking lot, sloped at approximately one (1) percent in a southwesterly direction towards the existing railroad right-of-way.
- Runoff from the site and adjacent areas downstream is collected by a channel which ultimately discharges into Stockton Lake. Stockton Lake is hydraulically connected to Manasquan Inlet and is therefore classified as tidally influenced.
- The PPB will be a slab-on-grade (i.e. no basement) structure with a finished floor elevation set at 15.75, which is approximately one (1) foot above the average existing grade of the site area. This will allow the site to divert runoff away from the building on all sides.
- Although located outside the recently updated delineated 100–year floodplain, the finished floor elevation of the facility is to be set over five (5) feet above the BFE and exceeds the requirements of NGB Pam 415-5.

Communications Lines and Underground Ductbank Infrastructure

- New communication lines and underground ductbank infrastructure is to be installed along Academy Way in order to provide service to the new Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility, Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility, and the Power Plant Building (PPB).
- All new telecommunication ductbanks will be installed outside the update 100–year floodplain.
- An existing telecommunications blockhouse, located towards the northwest corner of the National Guard Training Center (NGTC) is to receive minor improvements in support of the infrastructure update at the NGTC. This structure is located beyond recently updated 100–year floodplain, and was not substantially damaged during the Superstorm Sandy event in October 2012.
- The finished floor elevation of the existing telecommunications blockhouse is set at an approximate elevation of 15 feet, which is six (6) feet above the BFE. While this requirement does not apply to the blockhouse as it is set beyond the 100–year floodplain, it still exceeds the requirements of NGB Pam 415-5.

The new replacement facilities consisting of a Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility, an Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility, a Power Plant Building (PPB), and Communications Lines and



Underground Ductbank infrastructure are designed and proposed to be built outside the 100-year floodplain and above the base flood elevation, with the exception of two parking lots which will be located within the 100-year floodplain in order to conform to the National Guard Training Center master plan. All facilities have been designed in accordance with NGB Pam 415-5 and New Jersey Department of Environmental Protection (NJDEP) requirements. Compliance documents, while not required because they are located outside the 100-year floodplain, are being provided to further illustrate how these facilities comply with Executive Order 11988.



Vicinity (Regional Context) Map



Vicinity Site Location Map

Figure 1: Vicinity Sketch



December 2014

**Project
Approximate
Location**



	DISTRICT 1 EAST & 1 WEST SINGLE FAMILY	DISTRICT 2 EAST & 2 WEST CONVENIENCE COMMERCIAL	DISTRICT 3 BEACH
PURPOSE	To maintain this substantial portion of the Borough for single family residential uses together with the necessary public and quasi-public uses required for the normal functioning of the Borough such as fire house, town hall, school, library, parks and churches.	To preserve the existing primary area of commercial concentration in the Borough and permit such uses that meet the daily and other convenience needs of the Borough within the zoning district area designated in order to be compatible with the over all low density residential character of the Borough. It is intended that major shopping and commercial needs such as those relying on major highway access or serving a regional market be met in locations other than the Borough where more intensive business activities are already established or where major tracts of land are available to develop modern shopping center facilities.	The purpose of this district is to preserve the existing natural beach area and dunes which are present in the Borough. In addition, the uses permitted are selective in recognition of the periodic flooding or high tides which occur throughout the year and hence are designed to prohibit structures which would house or require personnel to be in the structures at the time of a hurricane, heavy storm or threat of flooding.
PERMITTED USE ON LAND OR IN BUILDING	<ol style="list-style-type: none"> 1. Single family dwelling 2. Municipal buildings and facilities 3. Schools for the purpose of general academic instruction and accredited by the New Jersey Department of Education. 4. Churches 5. Municipal parks and playgrounds 6. Public libraries 7. See ARTICLE V, Sections 5 and 11. 	<ol style="list-style-type: none"> 1. Restaurants, tea rooms, luncheonettes and grills 2. Stores and shops for the retail sale of groceries, meats, fruits, vegetables, alcoholic beverages, stationery, newspapers, appliances, wearing apparel, antiques, gifts, and other similar retail uses. 3. Service uses such as beauty salons, barber shops, tailors, banks, professional offices, post office and other similar service uses. 4. Apartments above businesses not to exceed two per lot. 5. Service stations. See ARTICLE V, Section 13. 6. See ARTICLE V, Sections 5 and 11. 	The permitted uses in District 3 shall be the boardwalk, not more than one municipal pavilion which may serve refreshments, open beach area, and Ocean Avenue with its designated curb-side parking spaces.
PERMITTED ACCESSORY USE	<ol style="list-style-type: none"> 1. Fences and walls (See ARTICLE V, Section 7) 2. Garages providing space for a maximum of three automobiles. In no case shall the ridge pole of the garage be higher than the ridge pole of the dwelling house. 3. See ARTICLE V. 4. Private residential pools in accordance with ARTICLE V, Section 15. 	<ol style="list-style-type: none"> 1. Garages 2. Off-street parking 	Not Applicable
HEIGHT LIMITS	<ol style="list-style-type: none"> 1. All buildings other than schools, libraries, municipal buildings and other municipal facilities, shall be at least 22 feet in height, but shall not exceed 35 feet nor have more than 2 and 1/2 stories. 	<ol style="list-style-type: none"> 1. No building shall exceed 35 feet in height nor have more than 2 and 1/2 stories. 2. No building shall be less than 14 feet in height. 	Pavilions shall not exceed 14 feet above the level of the boardwalk.
AREA AND YARD REQUIREMENTS	<ol style="list-style-type: none"> 1. No lot for a single family dwelling or church shall be less than 50 feet in width, 150 feet in depth, and 7,000 square feet in area. See ARTICLE VI, Section 1. 2. Each single family dwelling shall contain a minimum building coverage of 537.5 square feet and a maximum building coverage of 20% of the lot size. 3. Single family dwellings, schools, churches, libraries, municipal buildings and other municipal facilities in both districts shall have a minimum setback of 40 feet from the front lot line, 5 feet from any side line, and 30 feet from the rear lot line except along Sea Girt Avenue, the minimum setback shall be 25 feet and except that there shall be no minimum requirements for any future municipal facilities that may be constructed in the Plaza area between the railroad and Sixth Avenue from Washington Boulevard to Boston Boulevard and except further as allowed in ARTICLE VI, Section 2. For corner lots, there shall be a side yard of not less than 15 feet on that side of the lot nearest the street. Other front, side and rear yard provisions shall apply. In the case of a corner lot, the smaller of the two lot lines co-existent with the street line shall be considered the front lot line. 	<ol style="list-style-type: none"> 1. No lot shall be less than 50 feet in width, 150 feet in depth, or 7,500 square feet in area. See ARTICLE VI, Section 1. 2. There shall be no more than one building per lot. 3. All buildings shall have a minimum setback of 15 feet from the street line, 50 feet from the rear lot line and 6 feet from each side lot line. For corner lots there shall be a side yard of not less than 15 feet on that side of the lot nearest the street; other front, side and rear yard provisions shall apply. In the case of a corner lot, the smaller of the two lot lines co-existent with the street line shall be considered the front lot line. 	Not Applicable
SIGNS	<ol style="list-style-type: none"> 1. Churches may have one lighted sign not to exceed 12 square feet in area. 2. See ARTICLE V, Section 14. 	<ol style="list-style-type: none"> 1. Each non-residential use shall be permitted one sign, lighted or unlighted, the area of one side not to exceed 25 square feet, and with no more than two sides exposed. 2. Signs shall not extend outward from the building facade or any other wall more than 6 feet. 3. Animated, illusionary or flashing signs are prohibited. 4. See ARTICLE V, Section 14. 	The only signs permitted in this District shall be those installed by the Borough of Sea Girt.
OFF-STREET PARKING	<ol style="list-style-type: none"> 1. Single family dwellings shall have not less than two spaces, one of which shall be in a garage. 	<ol style="list-style-type: none"> 1. One space for each 600 square feet of gross floor area. 2. Each apartment permitted over a business shall provide two spaces separate from any spaces provided for customers. 3. See ARTICLE V, Section 9. 	Not Applicable

Figure 2: Zoning Map (Land Use)



December 2014

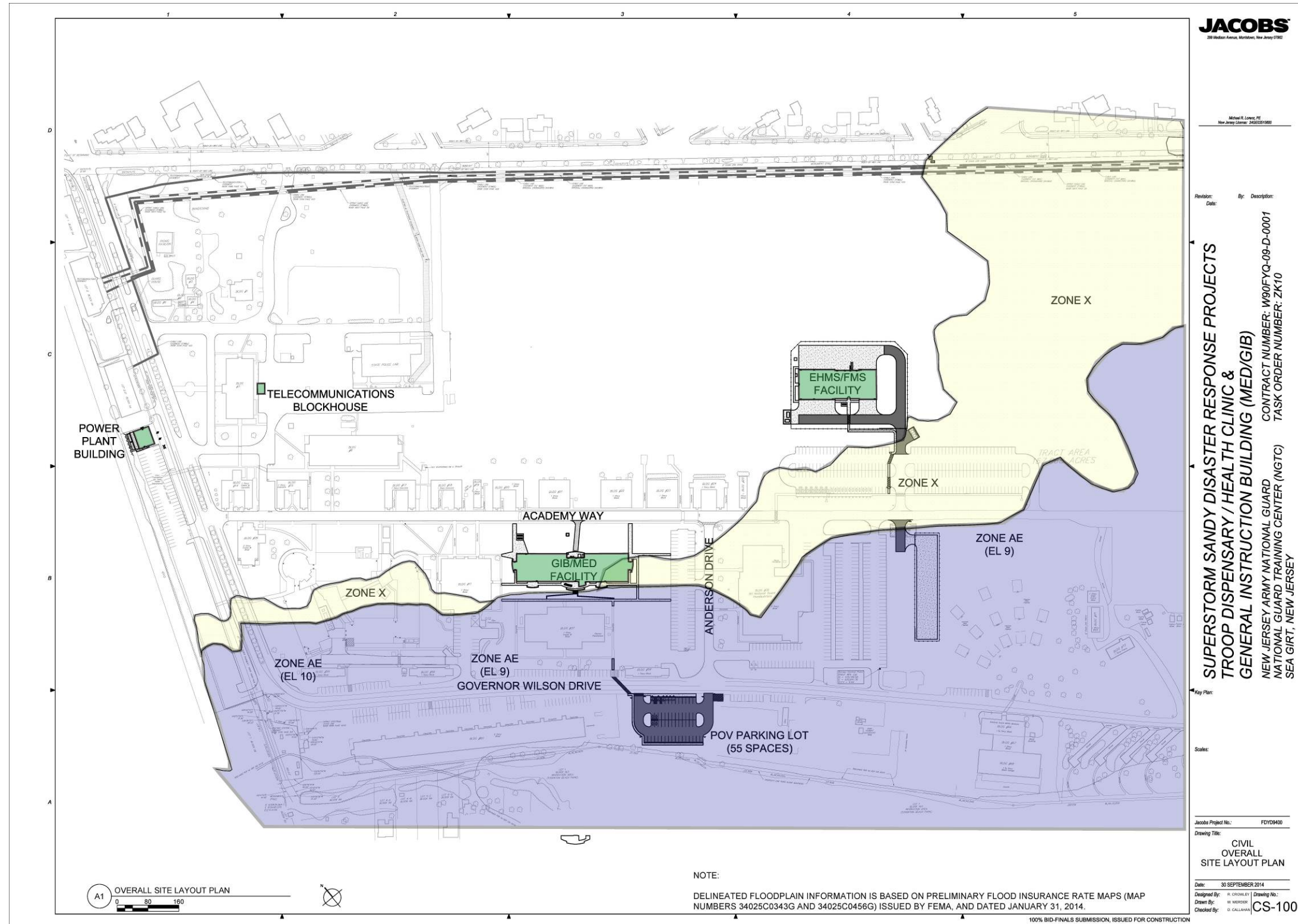


Figure 3: Overall Site Plan



(THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK)



A.3 EXECUTIVE ORDER 11988, Floodplain Management

EO 11988 (see Appendix C), enacted on May 24, 1977, requires federal agencies to avoid to the extent possible the long and short-term adverse impacts associated with the occupancy and modification of flood plains and to avoid direct and indirect support of floodplain development wherever there is a practicable alternative. In accomplishing this objective, "each agency shall provide leadership and shall take action to reduce the risk of flood loss, to minimize the impact of floods on human safety, health, and welfare, and to restore and preserve the natural and beneficial values served by flood plains in carrying out its responsibilities.

The guidelines address an eight-step process that agencies should carry out as part of their decision-making on projects that have potential impacts to or within the floodplain. The eight steps, which are summarized below, reflect the decision-making process required in Section 2(a) of the Order.

- 1. Determine if a proposed action is in the base floodplain (that area which has a one percent or greater chance of flooding in any given year).** For critical facilities such as hospitals, schools, and firehouses, the determination should be based upon the 500-year floodplain. According to Chapter 16 of the 2009 International Building Code, New Jersey Edition, a critical facility is defined as Risk Category IV facilities. Risk Category IV, the highest risk category, includes buildings and structures that, if severely damaged, would reduce the availability of essential community services necessary to cope with an emergency. Risk Category IV buildings and structures include hospitals, police stations, fire stations, emergency communication centers, and similar emergency facilities, as well as ancillary structures required for the operation of these facilities during an emergency, and facilities containing extremely hazardous materials that would threaten the public if released. The facilities being replaced as a result of Superstorm Sandy have been designated as either Category II (MED/GIB and EHMS/FMS facilities) or Category III structures (PPB facility) that are not intended to be used in an emergency or required for the operation of Category IV structures during an emergency. Therefore, the facilities are not considered to be critical facilities and it has been determined that the 100-year floodplain is the governing floodplain for determining if the project is in compliance with EO 11988.
- 2. Conduct early public review, including public notice.** EO 11988 requires a public notice and information necessary to determine if the project may adversely affect the floodplain or if the project will result in continuing the vulnerability to damage by flooding.
- 3. Identify and evaluate practicable alternatives to locating in the base floodplain, including alternative sites outside of the floodplain.** This project is required to identify and evaluate practicable alternatives to carrying out a proposed action in the floodplains. This includes evaluating sites outside the floodplain, alternative actions that serve essentially the same purpose as the proposed action with less potential to affect or be affected by the floodplain, or demonstrate that the floodplain itself is a practicable location in light of various site constraints.
- 4. Identify impacts of the proposed action.**



5. **If impacts cannot be avoided, develop measures to minimize the impacts and restore and preserve the floodplain, as appropriate.**
6. **Reevaluate alternatives.**
7. **Present the findings and a public explanation.**
8. **Implement the action.** The post-implementation phases of the proposed action should ensure that all the requirements are fully implemented.

B. PROPOSED ACTION

The purpose of the design and construction of the Superstorm Sandy Disaster Response Projects are to provide one-for-one replacement facilities of existing facilities that were severely damaged during Superstorm Sandy due to storm surge, saltwater infiltration, high winds and heavy rains and can no longer support the mission requirements of their existing functions and operations. A comprehensive condition assessment was performed on all these damaged facilities and it was determined that due to the associated repair costs, facility age, location within a floodplain, loss of damage to facility contents, and current code compliance requirements, these facilities [MED, GIB, FMS, EHMS, PPB, and Telecom] should be replaced. If not provided, the ability of the organizational, units and personnel will be severely degraded and impacted in their ability to operate within their current assigned mission of which some of these facilities support the entire force structure of the New Jersey Army National Guard.

Once completed, these facilities will improve the readiness of the NJARNG by providing replacement facilities that meet the criteria requirements and optimizes the operation of the National Guard Training Center (NGTC) installation. Designed for flexibility and expandability, the modern facilities will support the current and future NGTC and NJARNG state mission requirements and operations, while being located outside of the delineated 100-year floodplain.

The proposed construction of the Superstorm Sandy Disaster Response Projects will include the following:

1. The demolition of six buildings at the National Guard Training Center (NGTC). These buildings are identified as buildings 36, 55, 59, 64, 64T, and 65. All existing buildings are currently located within the delineated 100-year floodplain.
2. The removal and construction of sanitary sewer, storm sewer, domestic water, electrical distribution, and telecommunication infrastructure.
3. The removal and construction of concrete pad, pavement, and sidewalks.
4. Construction of a new Privately Owned Vehicle (POV) parking lot consisting of bituminous asphalt pavement.
5. Construction of an Organizational Vehicle parking lot consisting of rigid concrete pavement.
6. Total building construction of 38,827 square feet in the form of:



- a. Collocated a Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility
 - b. Collocated Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility
 - c. Power Plant Building (PPB)
 - d. All buildings are located outside the delineated 100-year floodplain.
7. Minor improvement to existing telecommunications blockhouse.
 8. Site landscaping design, including hardscape.
 9. Construction of multiple stormwater management facility in accordance with the New Jersey Department of Environmental Protection (NJDEP) rules and regulations.

C. COMPLIANCE

Executive Order 11988 (Floodplain Management) requires Federal agencies “to avoid to the extent possible the long and short term adverse impacts associated with the occupancy and modification of the floodplains and to avoid direct or indirect support of the floodplains wherever there is a practicable alternative.” This section addresses the Eight Step Decision Making Process from compliance with EO 11988. Listed below is a detailed evaluation of the decision making process for the proposed action of the Superstorm Sandy Disaster Response projects.

1. **Determine if a proposed action is in the base floodplain (that area which has a one percent or greater chance of flooding in any given year).**

EO11988 states that this determination shall be made according to the Federal Emergency management Agency (FEMA) issued floodplain maps for the United States. FEMA publishes Flood Insurance Rate Maps (FIRMs) to assist with determining flood risk, as a tool for floodplain management, and to determine if flood insurance is required on non-federal lands with any federal funding under the National Insurance Program (NFIP).

Based upon the Preliminary FEMA FIRM for Monmouth County, Jersey, map numbers 34025C0343G and 34025C0456G, dated January 1, 2014, a portion of the proposed action is located within the 100–year floodplain. The proposed action that is located within the 100–year floodplain is the construction of a new Privately Owned Vehicle (POV) parking lot associated with the collocated a Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility and the Organizational Vehicle parking lot associated with the collocated Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility. Both parking lots are located in the tidal flood area, designated as Zone AE with a corresponding elevation that ranges between 9.0 and 10.0 feet in reference to the North American Vertical Datum of 1988 (NAVD88).



It is important to note that the proposed action within the 100 – year floodplain is limited to the construction of new parking lots, with all structures (i.e. buildings) being located outside of the floodplain. It should also be noted that the proposed action is located within a ‘tidal’ flood area as opposed to a ‘coastal’ flood area. Coastal flood areas are located directly along the coast and subject to inundation by the 100 – year flood event with the additional hazard of velocity wave action. The proposed action is also not subject to high velocity flow of a river body of water which is considered to be a ‘flood way’. Tidal flood areas are typically inland, and in this case, mapped as Zone AE. This zone designation in a tidal flood area is not subject to the more stringent regulatory requirement for a coastal flood area or flood way.

The Zone AE designation is an area where the base flood elevations have been determined. It is an area subject to inundation by the one percent annual flood (100-year flood), also known as the base flood. This is the flood that has the one percent chance of being equaled in any given year. The Zone X area represents a 0.2% annual chance of being equaled in any given year, corresponding to the 500 – year floodplain. (Refer to Appendix X for recently updated FIRM mapping) The flood area results from Stockton Lake, which is tidally influenced. The proposed buildings will be constructed a minimum of 420 feet away from Stockton Lake.

2. Conduct early public review, including public notice.

Documentation has been included in a public notice to comply with EO11988, Floodplain Management. The public notice has been advertised with a vicinity map, a justification statement for the proposed action within a floodplain, a statement indicating whether the action conforms to applicable State and local floodplain standards, and a list of alternatives considered. The advertisement for the public notice was published in a local newspaper and is scheduled for publication between December 25, 2014 through January 22, 2015. Refer to Appendix F for the Affidavit of Publication, along with a copy of the newspaper article.

3. Identify and evaluate practicable alternatives to locating in the base floodplain, including alternative sites outside of the floodplain.

The Superstorm Sandy Disaster Response Projects are one-for-one replacement facilities of existing facilities that were severely damaged during Superstorm Sandy due to storm surge, saltwater infiltration, high winds and heavy rains and can no longer support the mission requirements of their existing functions and operations. A comprehensive condition assessment was performed on all these damaged facilities and it was determined that due to the associated repair costs, facility age, location within a floodplain, loss of damage to facility contents, and current code compliance requirements, the following facilities need to be replaced:

- Troop Dispensary/Health Clinic
- General Instruction Building
- Facility Maintenance Shop
- Engineering House Maintenance Shop
- Power Plant Building



The replacement facilities are to be located outside of the 100-year floodplain with finished floor elevations all set a minimum of 18-inches above the Base Flood Elevation (BFE).

The collocated Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) is to be located east of the existing Dining Hall along Academy Way at the NGTC, outside of the 100-year floodplain. Supporting infrastructure for the MED/GIB facility includes a surface parking lot for Privately Owned Vehicles (POV). As this parking lot is intended to support the personnel that will occupy the facility, it needs to be located within close proximity to the facility. The selected site for the MED/GIB facility is bounded by existing buildings to the west and south of the site, Academy Way to the north, and an existing parking lot servicing another building to the east. Therefore, the POV parking lot will be placed approximately 275 feet away from the MED/GIB facility at the south end of the NGTC, within the 100-year floodplain, and in an area currently comprised of as hardstand utilized for military vehicle parking and general storage. Alternate locations for the surface parking lot have been evaluated, taking into consideration the following site constraints:

- The area immediately north of Academy Way is comprised of several older buildings with community athletic fields located further north.
- Northeast of the MED/GIB facility, and east of the existing buildings located along Academy Way, is a new POV parking lot recently constructed under a separate project. Two alternate locations for placing.

One possible location for placement of the parking lot included expanding the east side of the recently constructed parking lot northeast of the facility. However, that would place dedicated parking for the MED/GIB facility approximately 1100 feet away from the facility. Extending the recently constructed parking lot further to the east would also result in encroaching on the 100-year floodplain. A second alternate location for the POV parking lot included placing the parking lot north of the existing buildings located along Academy Way, approximately 400 feet away from the MED/GIB facility. However, this would result in the parking lot being located in an area currently comprised of athletic fields utilized by the community of Sea Girt for athletic gatherings. Lastly, this second alternate location would not be in conformance with the approved master plan for the National Guard Training Center. Therefore; it has been determined that placement of the parking lot within the 100-year floodplain in an area previously developed as a parking/storage area, with signage indicating that parking lot is subject to flooding. As this is a parking lot, and not a structure or building, placing the parking lot within the floodplain will not be at risk to damage from flooding.

The collocated Engineering Maintenance Shop & Vehicle Maintenance (EHMS/FMS) is to be located north of a recently constructed POV parking lot under a separate project, outside of the 100-year floodplain. Supporting infrastructure for the EHMS/FMS facility includes a surface parking lot for organizational vehicles. As this parking lot is intended to provide parking for military vehicles that will be serviced and maintained by EHMS/FMS facility, it is desirable for the parking lot to be located in close proximity to the EHMS/FMS site. The selected site for the EHMS/FMS is bounded by open space to the north, east, and west, which is utilized for athletic gatherings by the Sea Girt community. To the south of the EHMS/FMS facility is a new POV



parking lot recently constructed under a separate project and is access from Academy Way. Therefore, the selected site for the EHMS/FMS organizational parking lot is on the south side of Academy Way in an area currently comprised as open space, and is located within the 100-year floodplain. It is bounded by Academy Way to the north and Governor Wilson Drive to the south. To the east is an area comprised of static displays consisting of various aircraft and armored fighting vehicles. To the west is the existing National Guard Readiness Center and associated parking lot. An alternate location considered for the organizational parking lot including placing the lot either on the east, west, and north sides of the facility. Placing the organizational lot on the north and west side of the EHMS/FMS facility would negatively impact the existing athletic fields utilized by the Sea Girt community for athletic gatherings. Placing the parking lot to the east would not provide any benefit over the selected location, as it would still encroach into the 100-year floodplain. Ultimately it has been determined that the selected location for the organizational parking lot posed no risk for damage to flooding by locating it within the 100-year floodplain, while providing the benefit of locating the lot in a location that conforms to the NGTC master plan.

4. Identify impacts of the proposed action.

Flooding is a natural event whose adverse impacts are exacerbated by development. Any construction in the floodplain will alter the land surface and interfere to varying degrees with floodwater flow, oftentimes causing unanticipated adverse impacts to the development and natural environment. Alteration of land surfaces in floodplains could change drainage characteristics that could cause increased flood damage on adjacent properties. An analysis was conducted to determine the negative impacts to adjacent structures as a result of the proposed action, constructing two parking lots, within the floodplain. The analysis focused on potential increases in 100-year floodplain elevations and potential changes in flow patterns that could negatively impact adjacent structures.

As previously stated, the collocated a Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility, collocated Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility, and Power Plant Building (PPB) are all being located outside the 100-year floodplain with finished floor elevations set a minimum of 18-inches above the BFE. The proposed action within the 100-year floodplain is the construction of two surface parking lots. It is not anticipated that this proposed action within the floodplain will adversely impact any surrounding area or structure. Both lots have been graded in a manner to avoid importing any fill materials to these locations. In fact, the finished grade at both lots is slightly less than current existing conditions.

The Superstorm Sandy Disaster Response projects will include multiple stormwater management facilities that will assist is reducing runoff rates and conveying stormwater runoff away from the site, while also providing water quality mitigation. The storm sewer infrastructure is also being upgraded at each facility, with a series of drainage inlets being installed that will capture and collect stormwater runoff. The new underground storm sewers will discharge directly into Stockton Lake. Therefore, it has been determined that the proposed action within the floodplain, the construction of two parking lots, will not affect the floodplain storage,



hydraulic factors will not be altered as to increase flood elevations or flow patterns, and stormwater flooding will not increase as a result of the proposed action.

5. If impacts cannot be avoided, develop measures to minimize the impacts and restore and preserve the floodplain, as appropriate.

The design of the proposed replacement facilities is being completed in a manner to (1) comply with Federal and State requirements for building within a 100-year floodplain although the buildings are located outside the floodplain and (2) minimize the risk of flood damages.

Supplemental code requirements that these project comply with are the following:

- a) It is necessary to abide by the applicable State Floodplain standards for the Superstorm Sandy Disaster Response projects by adhering to the New Jersey Administrative Code (N.J.A.C.) 7:13 'Flood Hazard Area (FHA) Control Act Rules'. Since the NGTC parcel is influenced by the tidal floodplain and not a river body of water, it is considered a flood 'area' as opposed to a flood 'way'. As such, the project is required to abide by the 'Flood Hazard Area (FHA) Control Act Rules'. The following is a summary of the FHA satisfied requirements, as summarized in the public notice:
 - a. The National Guard Training Center (NGTC) in Sea Girt is within a tidal flood area, in which the base flood elevations are governed by tidal flow from the Atlantic Ocean via Stockton Lake;
 - b. All replacement buildings have been located outside of the recently revised, delineated 100-year floodplain;
 - c. The finished floor elevation of each building must be set at an elevation that is at least one foot above the base flood elevation. The minimum height for each building is set at least 18-inches above the base flood elevation, thereby exceeding the requirement;
 - d. The buildings must be located at least 25 feet from the top of bank or edge of water. Currently, the replacement facilities are being sited over 420 feet away from tidally influenced Stockton Lake; and,
 - e. For a new building in a tidal flood area, the applicant demonstrates that the building is served by a roadway with a travel surface that is constructed at least one foot above the FHA design flood elevation. Academy Way is located at the center of the NGTC, with direct access to each replacement facility, and it is not located within the 100-year floodplain.

According to the New Jersey Administrative Code (N.J.A.C.) 7:13 'Flood Hazard Area (FHA) Control Act Rules' permit requirements, the finished floor elevation is to be set a minimum of one (1)-foot above the base flood elevation. Since all the buildings are located outside the 100-year floodplain and have finished floor elevations set a minimum of 18-inches above the base flood elevation, exceeding N.J.A.C. FHA requirements, no additional mitigation measures are necessary.



- b) Following DA Pam 420-1-2 Para 3-15 Tab J to comply with EO 11988, Floodplain Management, also includes a requirement for compliance with EO 11990, Protection of Wetlands (see Appendix H). This project has been evaluated for compliance with EO11990 and is not sited in a wetland. The nearest wetland is located approximately 900 from any planned construction. Therefore, the Superstorm Sandy Disaster Response projects will not adversely affect the wetlands.

Per DA Pam 420-1-2, DD Form 1391c for each replacement facility reads:

“PROTECTION OF WETLANDS: This project has been evaluated for compliance with Executive Order 11990 (as amended by Executive Order 12608) and is not sited in a wetland.

- c) EO 11988, Floodplain Management, states, “To achieve flood protection, agencies shall, wherever practicable, elevate structures above the base flood level...” As previously noted in Section A.2, all facilities have been designed with finished floor elevations set a minimum of 18-inches above the base flood elevation. Verification of the finished floor elevation will be documented with the Federal Emergency Management Agency (FEMA) Elevation Certificate (FEMA Form 81-31, March 09) in conjunction with the construction drawings included herein. Per procedure, the form will be completed at the end of construction, in coordination with this report, stamped and signed by a registered professional engineer and submitted as as-built documentation. In addition, a cover letter from the Registered Engineer responsible for the Civil Engineering design is included (see Appendix I).

These measures above show no negative impact of flooding as a result of the proposed action in the floodplain.

6. **Reevaluate alternatives.**

The reevaluation of alternatives for the proposed action is not required. The replacement facilities have all been sited outside the 100-year floodplain, and in order to meet mission objectives, the proposed action (i.e. construction of two parking lots) must be located within the FEMA 100-year floodplain. As discussed in Steps 4 and 5 above, there is no negative impact to the floodplain, adjacent roadway, buildings, or area. The buildings have all been located outside the 100-year floodplain and designed in a manner to eliminate the risk of possible flood damages associated with the 100-year flood event.

7. **Present the findings and a public explanation.**

Abiding by the National Environmental Policy Act (NEPA), an Environmental Assessment (EA) report is in the process of being completed. The NEPA document review will require a 30-day public notice. Therefore, the public opinion will again be solicited. Included in the NEPA document review will be a memo of Legal Sufficiency for the EA report and a Finding of No Significant Impact (FNSI). The above information exceeds the requirements of EO 11988, and will be valuable in providing to local officials or the public if there are concerns that the proposed action might negatively impact buildings, property, or roadways in the area.



8. **Implement the action.** The construction of the proposed action will be implemented with several inspection and oversight entities in place to ensure that the new replacement facilities associated with the Superstorm Sandy Disaster Response projects are compliant with Federal, State, and local requirements, as noted. The NJARNG will assure that the buildings are constructed as proposed, with all required building permits from the New Jersey Department of Community Affairs. The process of obtaining the building permits, which is a requirement of state contracting procedures for State properties, will also assure the implementation of this action is compliant with the intent of the Executive Order. Separate commission agent and construction management contracts will be funded by the owner to oversee the construction phase. The NJARNG will also have their own construction inspection team supervised by their owner representative and project manager.

D. CONCLUSION

The purpose of this report is to document compliance with EO 11988, for the construction of the proposed action, the construction of two surface parking lots in support of replacement facilities located outside the 100-year floodplain under the Superstorm Sandy Disaster Response projects located at the National Guard Training Center (NGTC) in Sea Girt, Monmouth County, New Jersey. The intent of this documentation is to provide information for the National Guard Bureau (NGB) to request for review and approval by the Assistant secretary of the Army, Installations, Energy & Environmental – Installations, Housing & Partnerships (ASAIEE IH&P) under EO 11988 to execute the military construction project which is partially located in a known 100-year floodplain.

The eight-stop decision making process identified in 44 CFR Part 9 for compliance with EO 11988, for the proposed action of construction two surface parking lots associated with the Superstorm Sandy Disaster Response projects, have been presented in this report. The report has concluded that:

- The facilities (i.e. buildings) have all been sited outside of the 100-year floodplain;
- The proposed action, which is the construction of two surface parking lots in support of the Superstorm Sandy Disaster Response replacement facilities are located within the 100-year floodplain. The proposed action is located in a tidal Zone AE, with a 100-year flood elevation ranging between 9.0 and 10.0 feet per NAVD88;
- The public review and public notice for compliance with EO 11988 for the proposed action is in the process of being completed and another public notice will be performed as required for the EA report under NEPA;



- Due to mission requirements, lack of land availability, location, and economic feasibility, there are no practical alternatives to locating the proposed action outside the 100-year floodplain;
- The proposed action will have no negative impacts to adjacent areas or the floodplain during a 100-year storm event;
- Although each replacement facility is located outside the 100-year floodplain, the finished floor elevation of each facility is set a minimum of 18-inches above the base flood elevation and to be certified, the floodplain will not be significantly altered by fill or grading and measures have been taken for proper design and construction to meet Federal, State, and local requirements;
- A 30-day public notice is in the process of being initiated. The NEPA document review also requires a 30 day public notice where public opinion will again be solicited.
- The construction of the proposed action will be implemented with several inspection and oversight entities in place to ensure that the Superstorm Sandy Disaster Response projects are compliant with Federal, State, and local requirements. The documentation presented in this report indicates that the proposed action is in compliance with EO 11988 and provides justification for NGB to authorize the NJARNG to construct the proposed action (i.e. two surface parking lots) within the known 100-year floodplain.



December 2014



APPENDIX A

NGB Pam 415-5

ARNG MILCON Program Execution

Excerpt from NGB Pam 415-5, Chapter 6-5



December 2014





f. Projects in Floodplains or Wetlands.

(1) If the proposed project site is in a floodplain or wetland (as defined in the glossary), the project may be started only if there is no practical alternative, and if a Section 404 (Clean Water Act) permit is obtained. Consider the following alternatives:

- (a) Construction of the proposed facility at an alternative site.
- (b) Other means that accomplish the purpose of the project.
- (c) No action.

(2) In evaluating these alternatives, consider mission requirements, economic, environmental, and other pertinent factors. If the project is started, it must be in accordance with the standards and criteria and consistent with the intent of the National Flood Insurance Program. This means that projects must be designed and carried out to meet all requirements of the flood insurance program, and may deviate only to the extent that the standards are demonstrably inappropriate for the facilities to be constructed in the floodplain.

(3) Before planning or starting a project in a floodplain or on wetland, the State shall circulate an explanation of why the proposed project is to be located in the floodplain early enough in the site selection process (before project submittal) so that public comment is considered in the decision-making. The Federal Register is the proper medium for publicizing projects of national importance. However, local advertising should always be used to ensure that those areas most affected are informed. Early on, the public must be given a chance to review the plans and the impacts of the proposed project on the floodplain or wetland. This applies even if the project does not require an Environmental Impact Statement (EIS) under section 102(2)(c), of the National Environmental Policy Act. If an EIS is required it must be publicized and reviewed by the public. The State's notice shall include the reasons why the action is proposed to be located in a floodplain; a statement indicating whether the action conforms to applicable State or local floodplain protection standards, and a list of the alternatives considered.

(4) If, after compliance with the requirements of Executive Order 11988, new construction of structures or facilities are to be located in a floodplain, accepted floodproofing and other flood protection measures shall be applied to new construction or rehabilitation. To achieve flood protection, the State shall, wherever practicable, elevate structures above the base flood level rather than filling in land. In addition, the State shall provide on the constructed buildings, and other places where appropriate, conspicuous delineation of past and probable flood height in order to enhance public awareness of and knowledge about flood hazards. Furthermore, the State shall design or modify the project in order to minimize potential harm to or within the floodplain.



December 2014



(THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK)



APPENDIX B

Civil Site Plans

Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB)

	Cover
C-101	Existing Conditions/Site Demolition Plan
C-102	Existing Conditions/Site Demolition Plan
CG-101	Site Grading & Drainage Plan
CG-102	Site Grading & Drainage Plan

Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS)

	Cover
C-101	Existing Conditions/Site Demolition Plan
C-102	Existing Conditions/Site Demolition Plan
CG-101	Site Grading & Drainage Plan
CG-102	Site Grading & Drainage Plan

Power Plant Building (PPB)

	Cover
C-101	Existing Conditions/Site Demolition Plan
CG-101	Site Grading & Drainage Plan

Telecom/IT Infrastructure

	Cover
C-101	Existing Conditions Plan
C-102	Existing Conditions Plan
C-103	Existing Conditions Plan
C-107	Site Plan
C-108	Site Plan
C-109	Site Plan



December 2014



NEW JERSEY ARMY NATIONAL GUARD

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TROOP DISPENSARY / HEALTH CLINIC &
GENERAL INSTRUCTION BUILDING (MED / GIB)
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

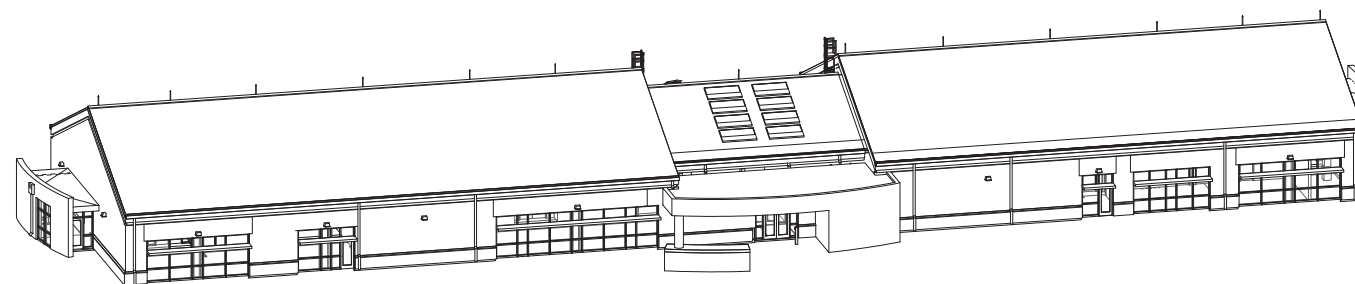
CONTRACT NO. W90FYQ-09-D-0001

TASK ORDER NUMBER: ZK10

100% BID-FINALS SUBMISSION

ISSUED FOR CONSTRUCTION

30 SEPTEMBER 2014



- CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.
- CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE SUPERSTORM SANDY DISASTER RESPONSE TELECOMMIT INFRASTRUCTURE PROJECT.

Michael R. Lorenz, PE
New Jersey License: 24GE031560

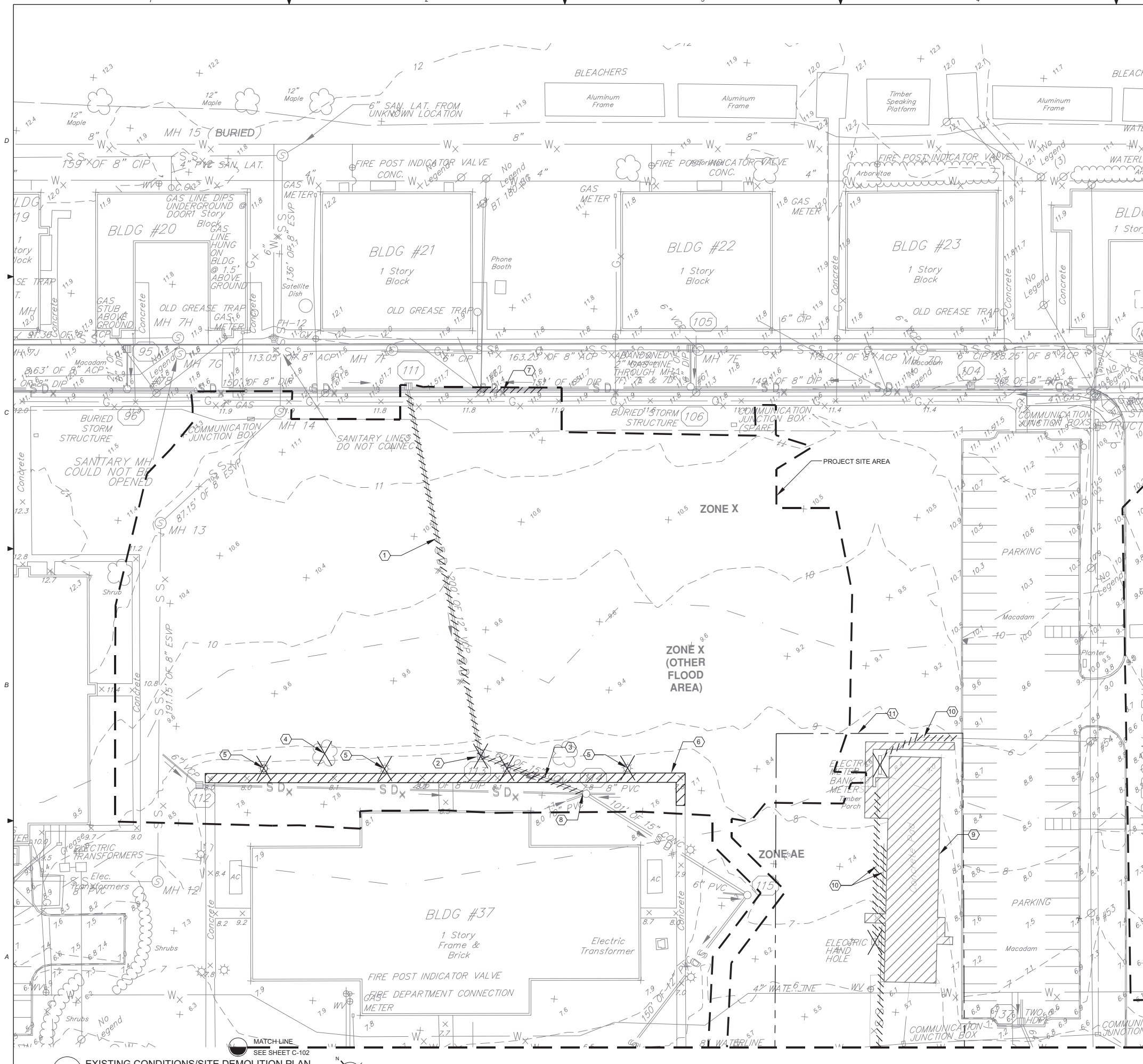
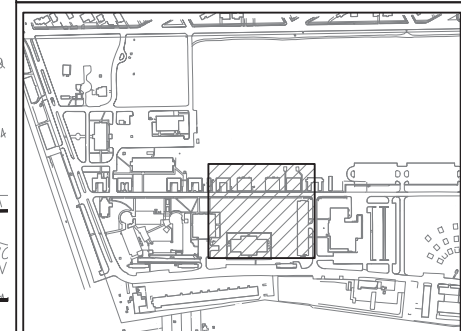
Revision: _____ By: _____ Description: _____
Date: _____

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TROOP DISPENSARY / HEALTH CLINIC & GENERAL INSTRUCTION BUILDING (MED/GIB)
NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY
CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

KEY NOTES:

- REMOVE 12" VCP STORM PIPE.
- REMOVE TOP TO AT LEAST 24" BELOW PROPOSED GRADE AND FILL REMAINING STRUCTURE WITH CONCRETE.
- REMOVE 15" CONCRETE STORM PIPE.
- REMOVE EXISTING TREE.
- REMOVE EXISTING LIGHTPOLE.
- REMOVE EXISTING SIDEWALK.
- REMOVE EXISTING CONCRETE CURB.
- SEAL 15" PIPE OPENING AT MANHOLE 114.
- EXISTING BUILDING #41, ASSOCIATED CONCRETE PAD/FOUNDATION, AND SIDEWALKS HAVE BEEN REMOVED AND ARE NOT A PART OF THIS CONTRACT.
- REMOVE EXISTING UTILITIES ASSOCIATED WITH PREVIOUSLY DEMOLISHED BUILDING #41.
- CONTRACTOR STAGING AREA

KEY PLAN



A1 EXISTING CONDITIONS/SITE DEMOLITION PLAN
0 20 40

Key Plan:

Scales:

Jacobs Project No.: FDYD8400
Drawing Title: CIVIL EXISTING CONDITIONS / SITE DEMOLITION PLAN
Date: 30 SEPTEMBER 2014
Designed By: R. CROWLEY Drawing No.:
Drawn By: M. WERDER
Checked By: D. CALLAHAN
C-101

1. CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.
2. CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE SUPERSTORM SANDY DISASTER RESPONSE TELECOMMIT INFRASTRUCTURE PROJECT.

Michael R. Lorenz, PE
New Jersey License: 24GE03215603

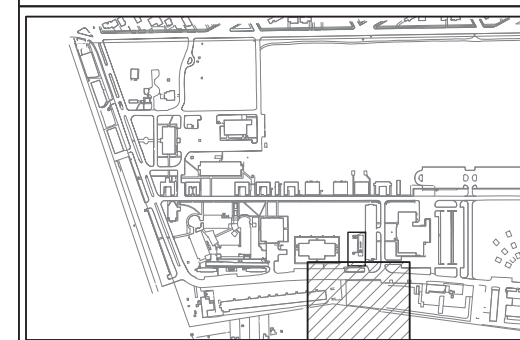
Revision: _____ By: _____
Date: _____ Description: _____

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TROOP DISPENSARY / HEALTH CLINIC & GENERAL INSTRUCTION BUILDING (MED/GIB)
NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY
CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

KEY NOTES:

- ① REMOVE EXISTING TREE.
- ② REMOVE EXISTING 12" GRAVEL HARDSTAND.
- ③ PROTECT EXISTING STORM SEWER TO REMAIN.
- ④ CONTRACTOR STAGING AREA

KEY PLAN



SCALE: 1" = 400'

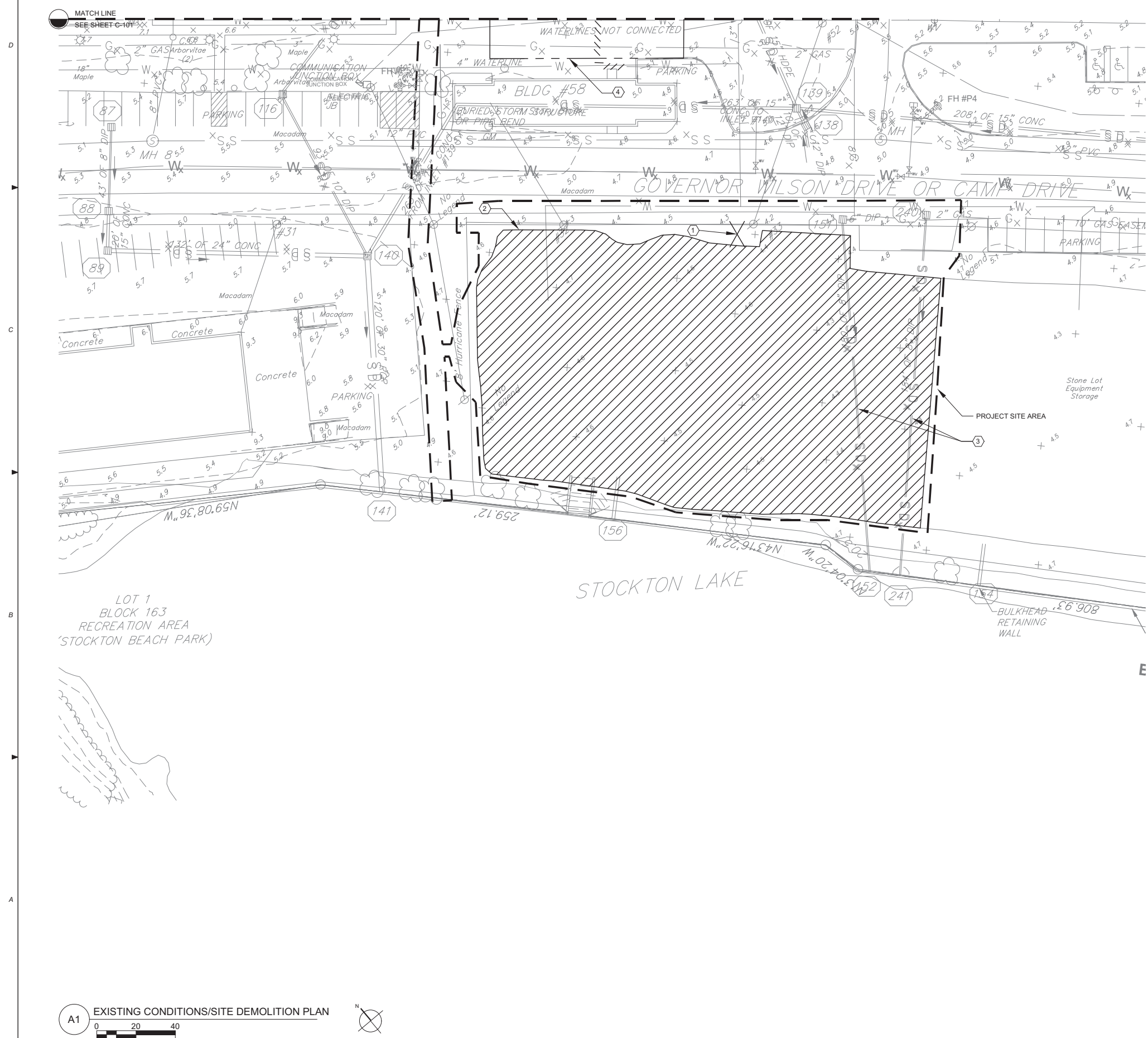
Scales:

Jacobs Project No.: FDYD8400

Drawing Title: CIVIL EXISTING CONDITIONS / SITE DEMOLITION PLAN

Date: 30 SEPTEMBER 2014
Designed By: R. CROWLEY | Drawing No.:
Drawn By: M. WERDER
Checked By: D. CALLAHAN

C-102



MATCH LINE
SEE SHEET C-101

LOT 1
BLOCK 163
RECREATION AREA
(STOCKTON BEACH PARK)

A1 EXISTING CONDITIONS/SITE DEMOLITION PLAN
0 20 40



SHEET NOTES:

- CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.
- CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE SUPERSTORM SANDY DISASTER RESPONSE TELECOM/IT INFRASTRUCTURE PROJECT.
- PROVIDE 90° VERTICAL BEND 30 INCHES BELOW FINISHED GRADE AND CONNECT TO CAST IRON DOWNSPOUT BOOT. PROVIDE NECESSARY TRANSITION FITTING TO CONNECT PVC PIPE TO CAST IRON BOOT. REFER TO ARCHITECTURE PLANS FOR DOWNSPOUT BOOT LOCATIONS.
- ROOF DRAIN BRANCH LINES SHALL BE 8" PVC SLOPED AT 0.50% MINIMUM, UNLESS NOTED OTHERWISE.

Michael R. Lorenz, PE
New Jersey License: 24GE021560

Revision: _____ By: _____ Description: _____
Date: _____

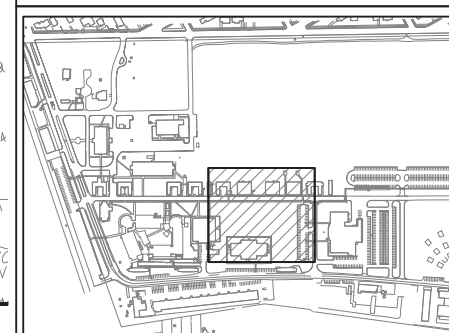
KEY NOTES:

- RAISE AND RESET MANHOLE 114 FRAME AND COVER. TOP OF FRAME = 7.70.
- SCUPPER DRAIN AT BASE OF KNEE WALL. SEE LANDSCAPE PLANS.
- BIORETENTION FACILITY. SEE DETAIL A3 ON SHEET C-505.
- DAYLIGHT HEADER PIPE INV. = 8.00
- DAYLIGHT HEADER PIPE INV. = 7.00
- AREA DRAIN. SEE DETAIL B1 ON SHEET C-504.
- SPLASH BLOCK FOR ROOF DRAIN. SEE DETAIL C4 ON SHEET A-541.

DRAINAGE STRUCTURE SCHEDULE

ID	TOP OF FRAME	INV. IN	INV. OUT
DI #1	3.30	0.46	0.36
DI #2	3.30	-	0.86
DI #3	6.65	2.38 (E) 2.38 (NW)	2.28
DI #4	7.55	3.83	3.73
DI #5	6.50	-	4.00
DI #6	9.30	4.21	4.11
DI #7	9.40	5.50	5.40
AD #1	11.00	-	5.24
ST MH #1	4.75	0.16	0.06
ST MH #2	4.75	0.52	0.42
ST MH #3	6.30	1.43	1.33
ST MH #4	7.40	1.75	1.65
ST MH #5	7.75	2.05	1.95
ST MH #6	8.40	3.02	2.92
ST MH #7	9.25	3.26	3.16
ST MH #8	9.50	3.31	3.21
ST MH #9	10.10	5.03 (NW) 5.03 (W)	4.93
EX. DI 111	11.22	7.32 (NW, EX.) 6.14 (SE, EX.)	6.02

KEY PLAN



SCALE: 1" = 40'

Key Plan:

Scales:

Jacobs Project No.: FDY09400

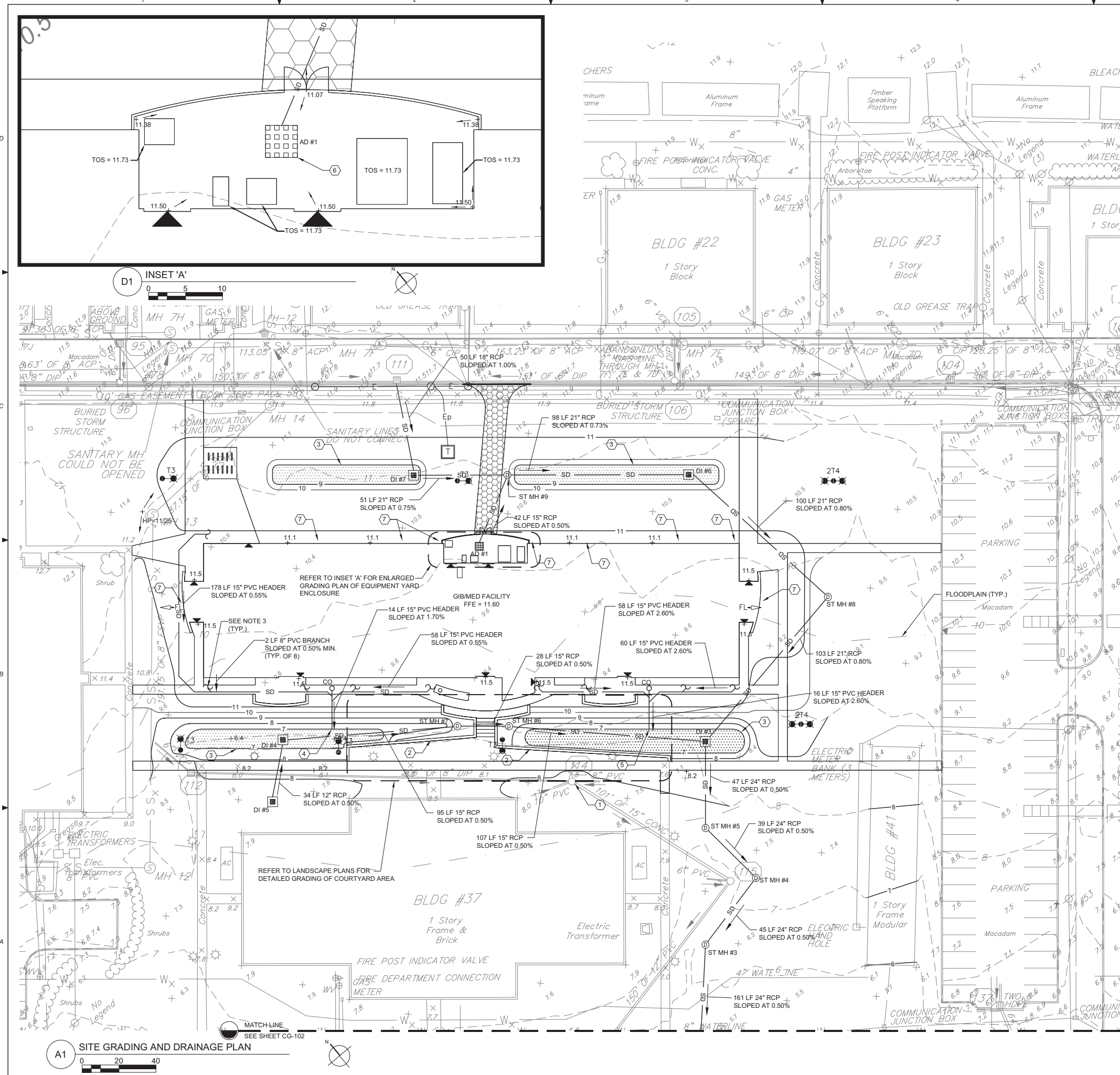
Drawing Title: CIVIL SITE GRADING AND DRAINAGE PLAN

Date: 30 SEPTEMBER 2014
Designed By: R. CROWLEY
Drawn By: M. WERDER
Checked By: D. CALLAHAN

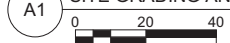
CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

CG-101



A1 SITE GRADING AND DRAINAGE PLAN



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.
2. CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE SUPERSTORM SANDY DISASTER RESPONSE TELECOMMIT INFRASTRUCTURE PROJECT.
3. PROVIDE TIDAL FLAP GATE AT NEW 36" OUTFALL THROUGH EXISTING BULKHEAD.
4. PROVIDE 52" DIAMETER OPENING THROUGH EXISTING BULKHEAD. INSTALL NEW STORM SEWER AT INVERT AND SLOPE SPECIFIED. PROVIDE GROUT AROUND PIPE OPENING FOR WATER TIGHT CONNECTION.
5. SEE DETAIL A3 ON SHEET C-504 FOR UNDERDRAIN.

Michael R. Lorenz, PE
New Jersey License: 24GE03215603

Revision: _____ By: _____
Date: _____ Description: _____

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TROOP DISPENSARY / HEALTH CLINIC & GENERAL INSTRUCTION BUILDING (MED/GIB)
NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY
CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

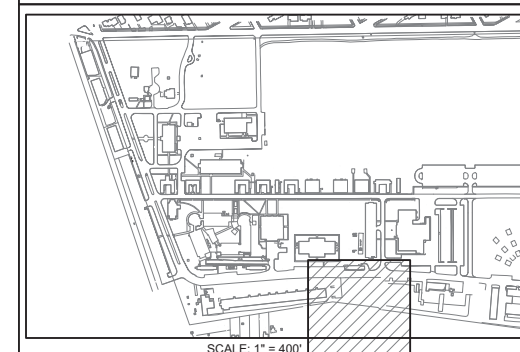
KEY NOTES:

- ① OUTFALL AT EXISTING BULKHEAD, INV. -0.50. SEE NOTES 3 AND 4.

DRAINAGE STRUCTURE SCHEDULE

ID	TOP OF FRAME	INV. IN	INV. OUT
DI #1	3.30	0.46	0.36
DI #2	3.30	-	0.86
DI #3	6.65	2.38 (E) 2.38 (NW)	2.28
DI #4	7.55	3.83	3.73
DI #5	6.50	-	4.00
DI #6	9.30	4.21	4.11
DI #7	9.40	5.50	5.40
AD #1	11.30	-	5.52
ST MH #1	4.75	0.16	0.06
ST MH #2	4.75	0.52	0.42
ST MH #3	6.30	1.43	1.33
ST MH #4	7.40	1.75	1.65
ST MH #5	7.75	2.05	1.95
ST MH #6	8.40	3.02	2.92
ST MH #7	9.25	3.26	3.16
ST MH #8	9.50	3.31	3.21
ST MH #9	10.10	5.03 (NW) 5.10 (W)	4.93
EX. DI 111	11.22	7.32 (NW, EX.) 6.14 (SE, EX.)	6.02

KEY PLAN



SCALE: 1" = 40'

Key Plan:

Scales:

Jacobs Project No.: FDYD8400

Drawing Title:

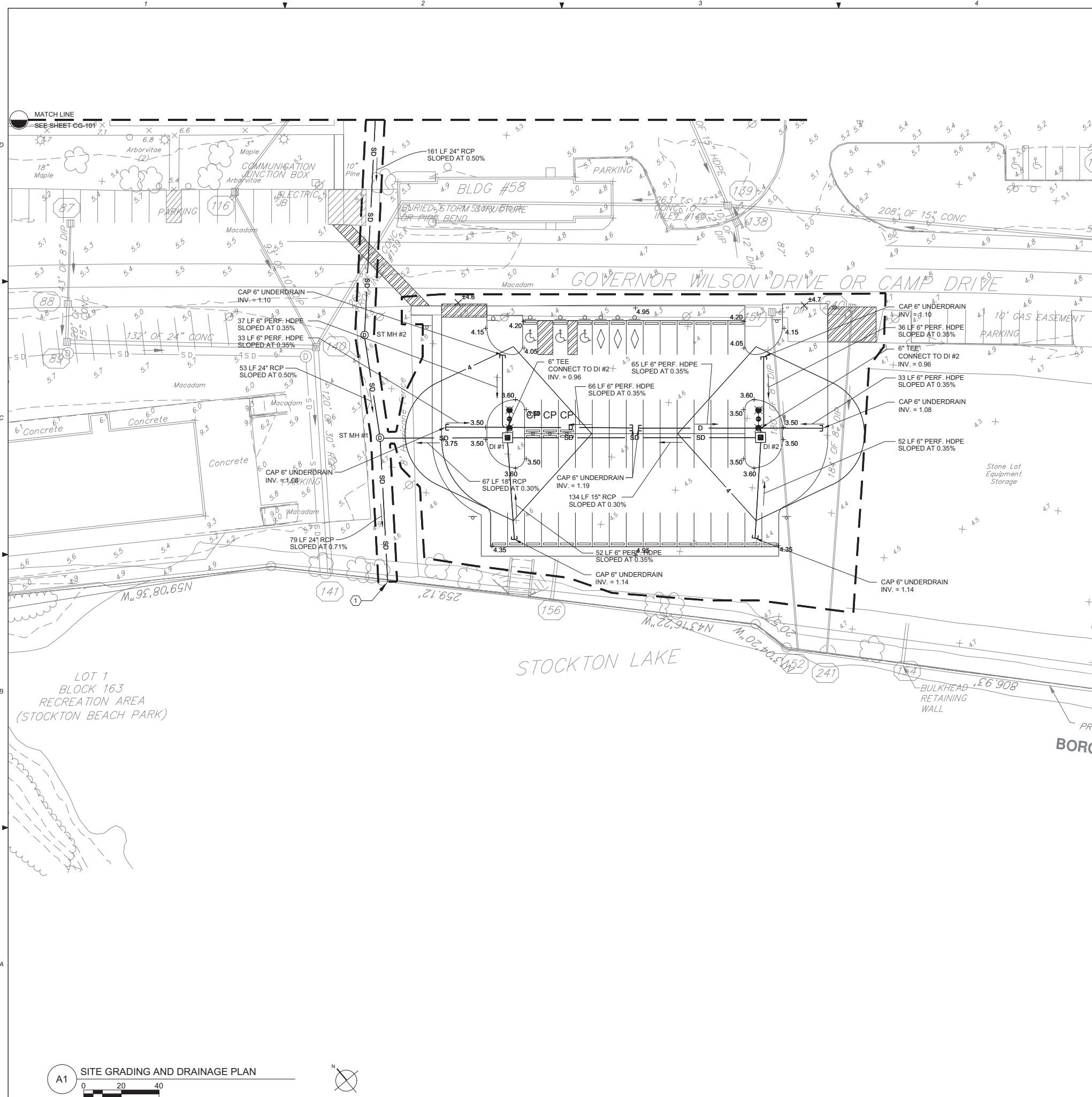
**CIVIL
SITE GRADING AND
DRAINAGE PLAN**

Date: 30 SEPTEMBER 2014

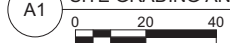
Designed By: R. CROWLEY Drawing No.:

Drawn By: M. WERDER

Checked By: D. CALLAHAN **CG-102**



A1 SITE GRADING AND DRAINAGE PLAN



NEW JERSEY ARMY NATIONAL GUARD

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
ENGINEERING HOUSING MAINTENANCE SHOP &
VEHICLE MAINTENANCE SHOP (EHMS / FMS)
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

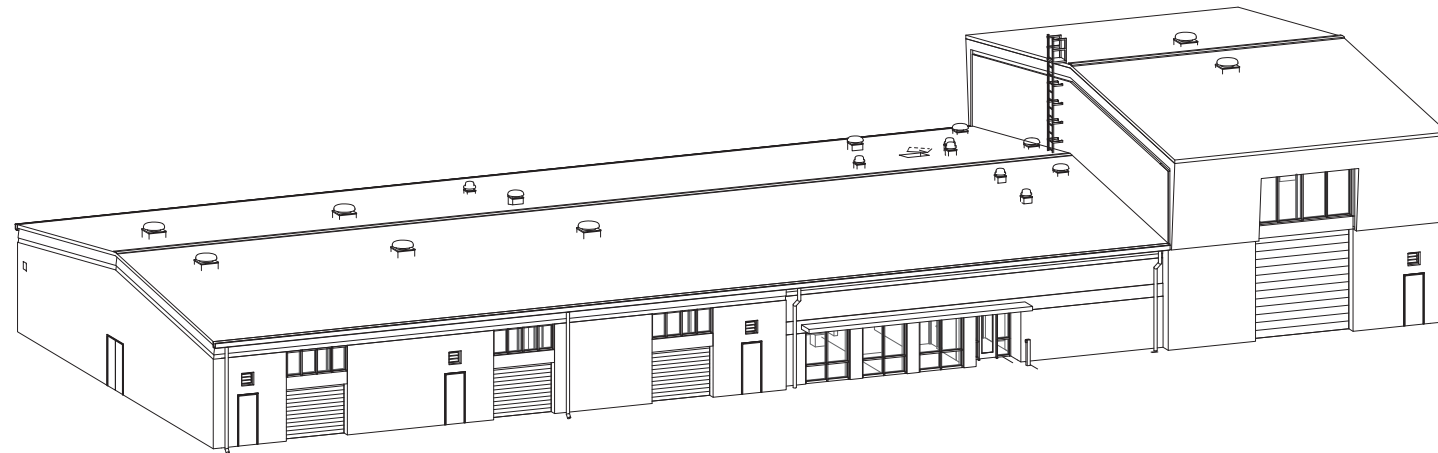
CONTRACT NO. W90FYQ-09-D-0001

TASK ORDER NUMBER: ZK10

100% BID-FINALS SUBMISSION

ISSUED FOR CONSTRUCTION

30 SEPTEMBER 2014



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE WITH ON GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.
2. CONTRACTOR SHALL COORDINATE WITH ON GOING CONSTRUCTION OF SUPERSTROM SANDY DISASTER RESPONSE TELECOMMIT INFRASTRUCTURE PROJECT.

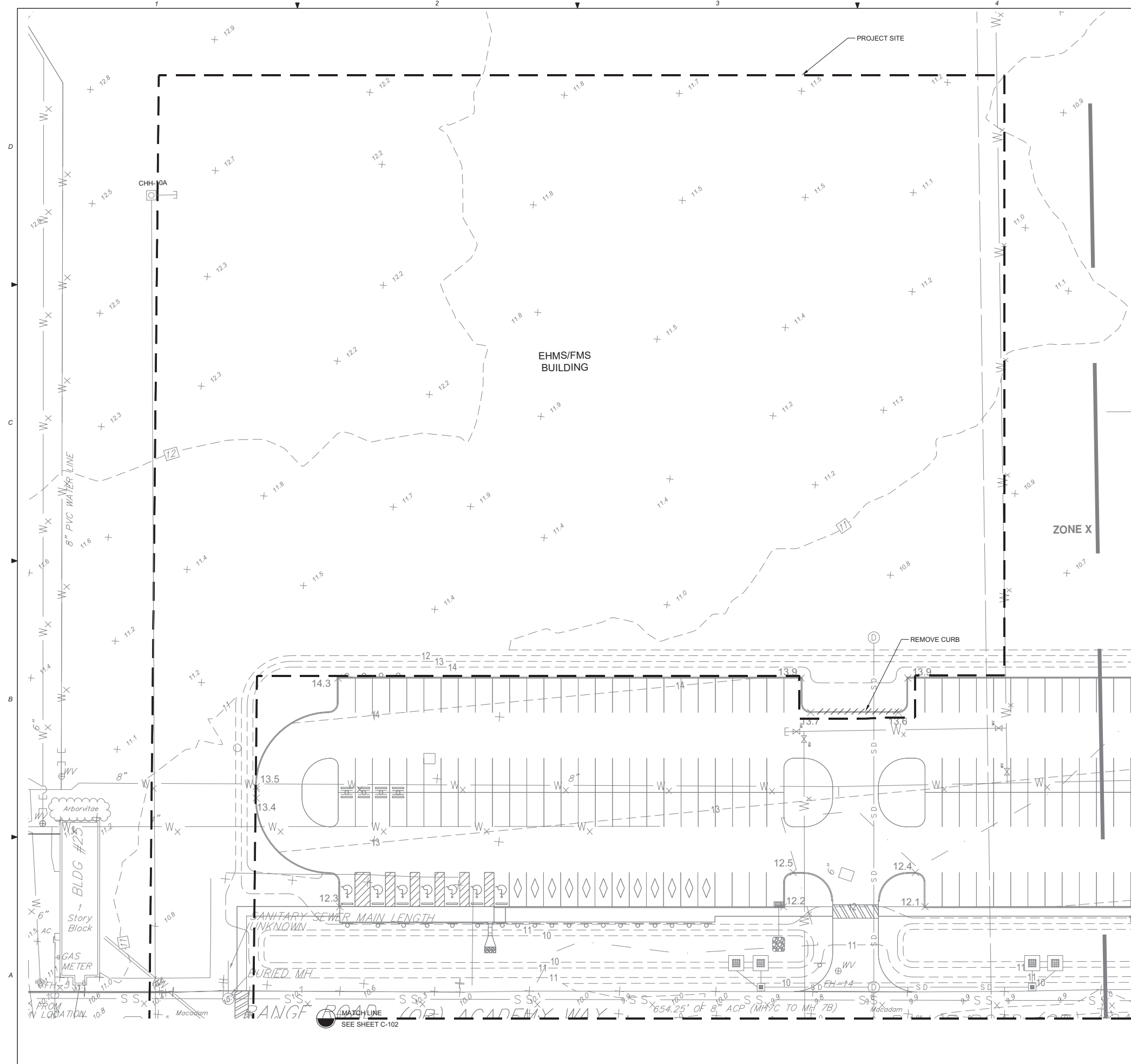
Michael R. Lorenz, PE
New Jersey License: 24GE03215600

Revision: _____ By: _____ Description: _____
Date: _____

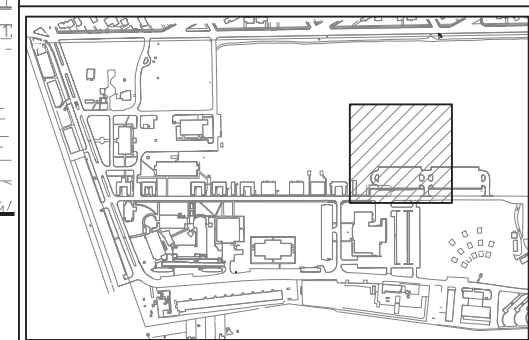
**SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
ENGINEERING HOUSING MAINTENANCE SHOP &
VEHICLE MAINTENANCE SHOP (EHMS / FMS)**

CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

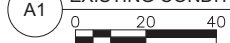


KEY PLAN



SCALE: 1" = 400'

A1 EXISTING CONDITIONS/SITE DEMOLITION PLAN



Key Plan:

Scales:

Jacobs Project No.: FDYD8400

Drawing Title: **CIVIL
EXISTING CONDITIONS /
SITE DEMOLITION PLAN**

Date: 30 SEPTEMBER 2014

Designed By: R. CROWLEY Drawing No.:
Drawn By: M. WERDER
Checked By: D. CALLAHAN

C-101

1. CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.

Michael R. Lorenz, PE
New Jersey License: 24GE03215603

Revision: _____ By: _____ Description: _____
Date: _____

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
ENGINEERING HOUSING MAINTENANCE SHOP &
VEHICLE MAINTENANCE SHOP (EHMS / FMS)
NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY
CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

Key Plan:

Scales:

Jacobs Project No.: FDYD8400

Drawing Title:

CIVIL
EXISTING CONDITIONS /
SITE DEMOLITION PLAN

Date: 30 SEPTEMBER 2014

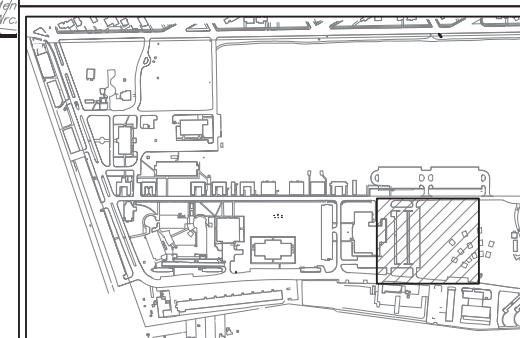
Designed By: R. CROWLEY Drawing No.:

Drawn By: M. WERDER

Checked By: D. CALLAHAN

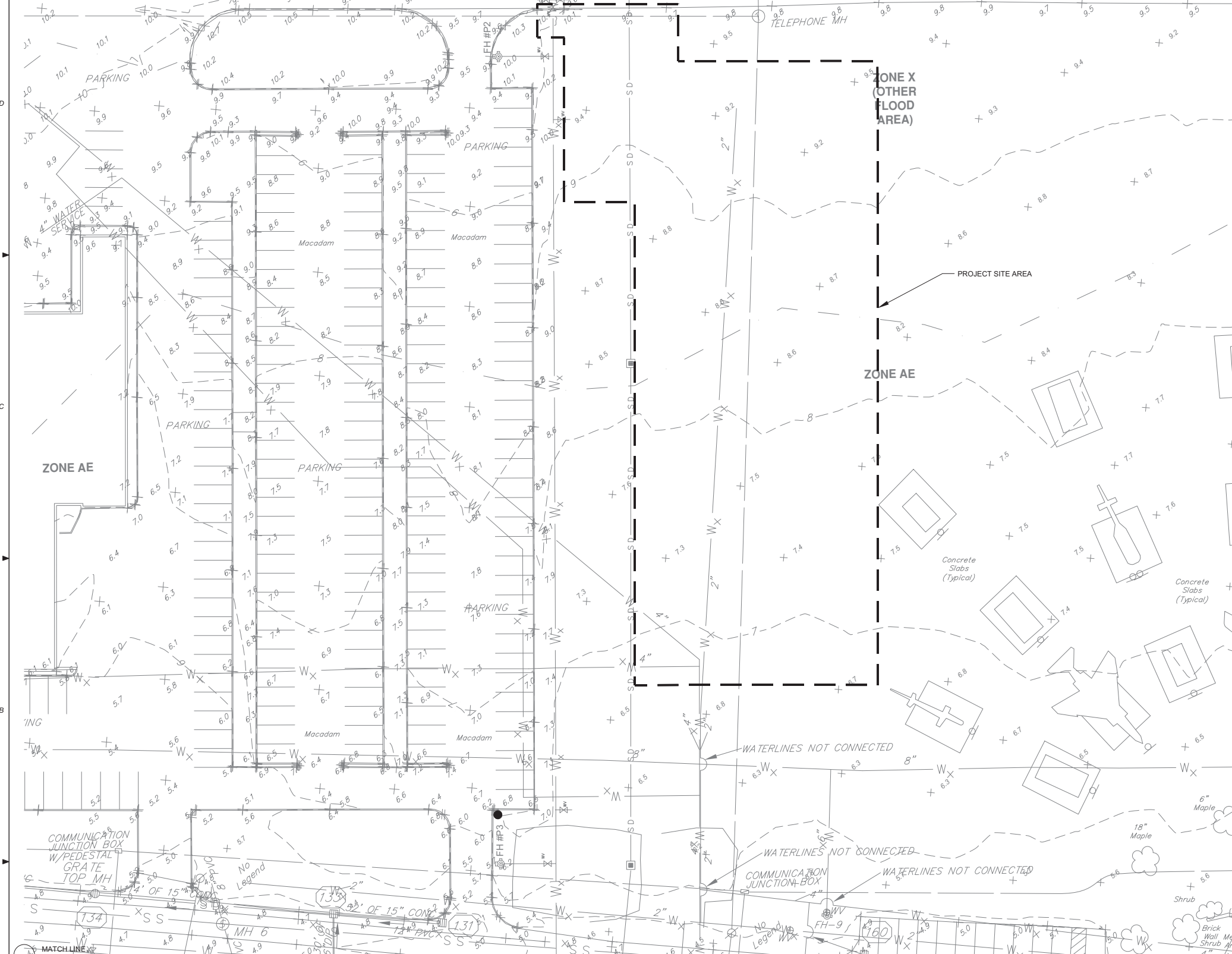
C-102

KEY PLAN



SCALE: 1" = 400'

MATCH LINE
SEE SHEET C-101



MATCH LINE
SEE SHEET C-103

A1 EXISTING CONDITIONS/SITE DEMOLITION PLAN



SHEET NOTES:

- CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.
- STORM SEWER SHALL CONNECT TO EXISTING DRAINAGE STRUCTURE 'ST MH #8' INSTALLED UNDER THE RTI PROJECT 'SUBMITTAL 8'. REMOVE KNOCK-OUT PANELS AT EXISTING STRUCTURE AND CONNECT SET INVERTS INDICATED.
- PROVIDE 90° VERTICAL BEND 30 INCHES BELOW FINISHED GRADE AND CONNECT TO CAST IRON DOWNSPOUT BOOT. PROVIDE NECESSARY TRANSITION FITTING TO CONNECT PVC PIPE TO CAST IRON BOOT. REFER TO ARCHITECTURE PLANS FOR DOWNSPOUT BOOT LOCATIONS.
- ROOF DRAIN BRANCH LINES SHALL BE 8" PVC SLOPED AT 0.50% MINIMUM, UNLESS NOTED OTHERWISE.

Michael R. Lorenz, PE
New Jersey License: 24GE03215600

Revision: _____ By: _____ Description: _____
Date: _____

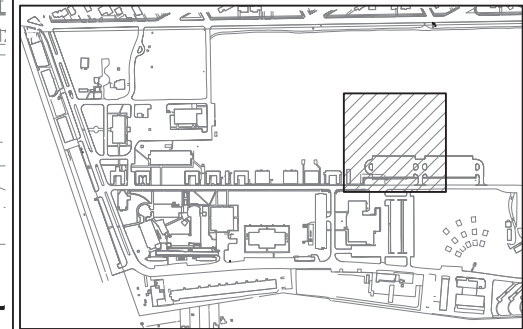
KEY NOTES:

- CONNECT TO EX. MANHOLE (ST MH #8), INV. IN: 5.00 (REF. PLAN NEW JERSEY RTI-CONTRACT NO.: W90FY-Q-09-D-0001)
- INFILTRATION BASIN. SEE DETAIL A1 ON SHEET C-505.

DRAINAGE STRUCTURE SCHEDULE

ID	RIM	INV. IN	INV. OUT
DI #1	11.60	-	7.74
DI #2	11.35	6.65	6.55
DI #3	11.35	5.39	5.29
DI #4	10.95	-	5.50
DI #5	6.60	-	2.40
ST MH #1	13.50	7.57	7.47
ST MH #8 (EX)	14.25	5.00 (NW) 5.00 (NE)	4.80
DI #19 (EX)	8.30	2.24	2.14 (EX) 2.24 (EX)

KEY PLAN



SCALE: 1" = 400'

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
ENGINEERING HOUSING MAINTENANCE SHOP & VEHICLE MAINTENANCE SHOP (EHMS / FMS)
 NEW JERSEY ARMY NATIONAL GUARD
 NATIONAL GUARD TRAINING CENTER (NGTC)
 SEA GIRT, NEW JERSEY
 CONTRACT NUMBER: W90FYQ-09-D-0001
 TASK ORDER NUMBER: ZK10

Key Plan:

Scales:

Jacobs Project No.: FDYD8400

Drawing Title:

CIVIL SITE GRADING AND DRAINAGE PLAN

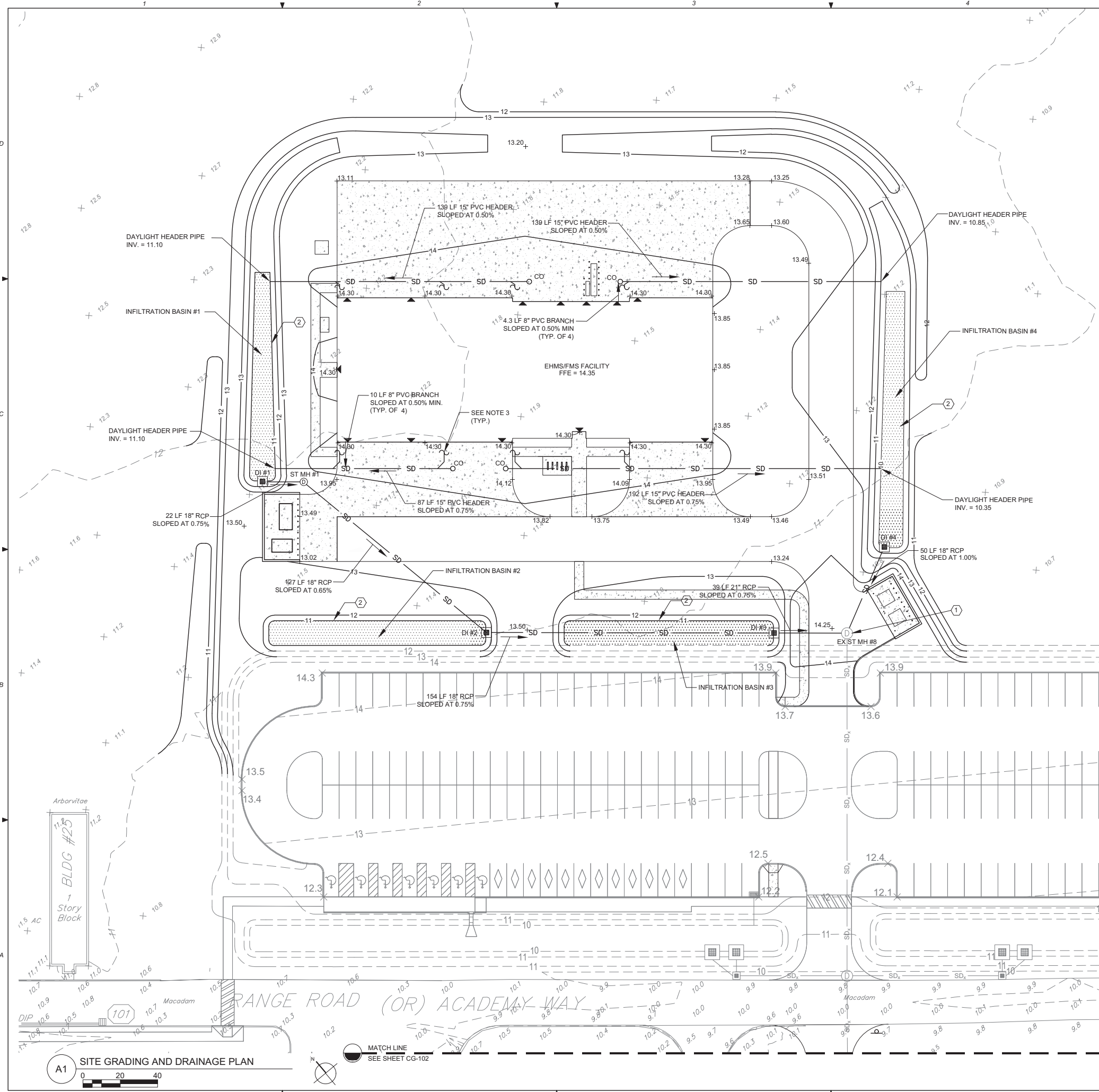
Date: 30 SEPTEMBER 2014

Designed By: R. CROWLEY Drawing No.:

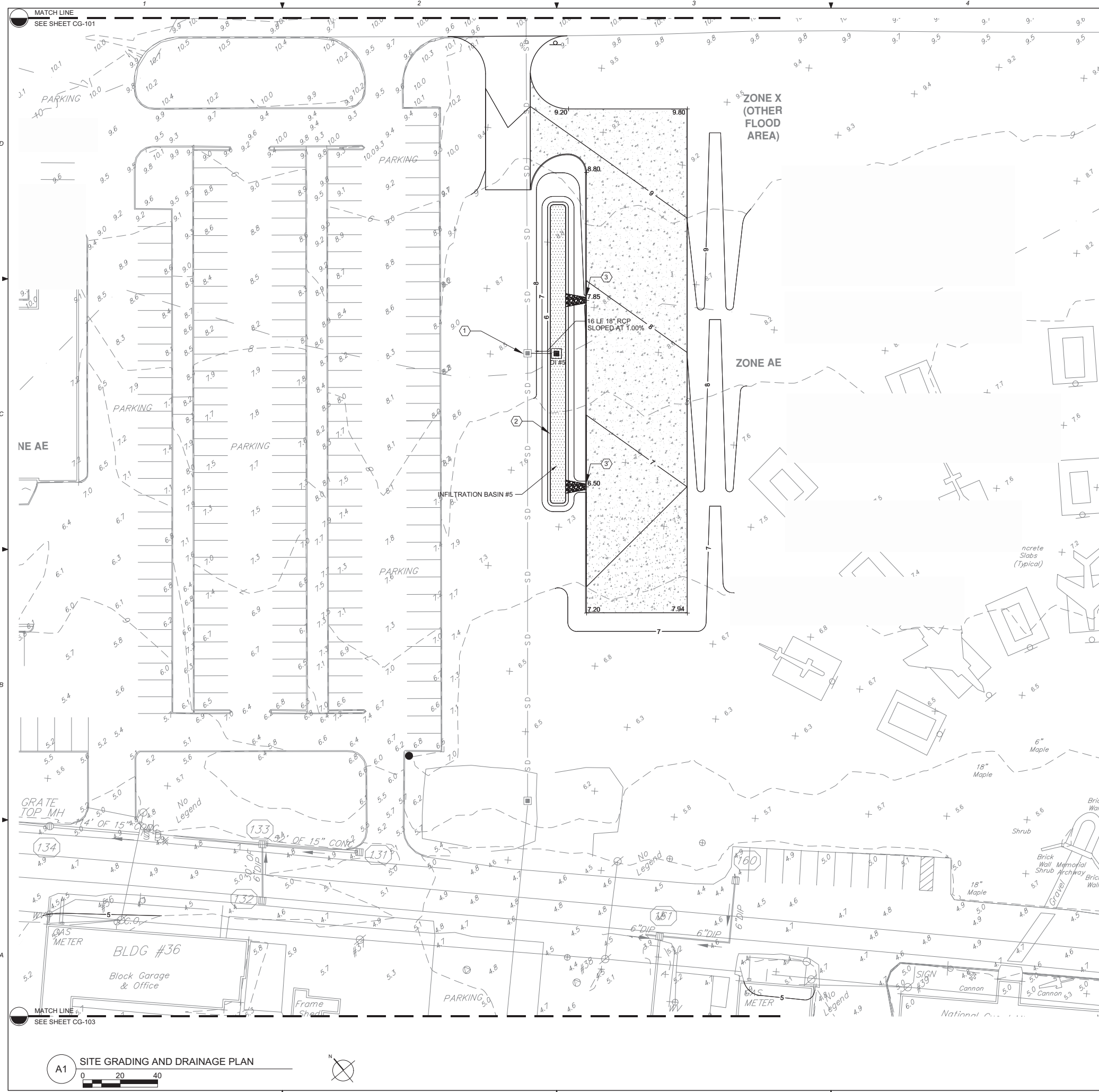
Drawn By: M. WERDER

Checked By: D. CALLAHAN

CG-101



A1 SITE GRADING AND DRAINAGE PLAN



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.

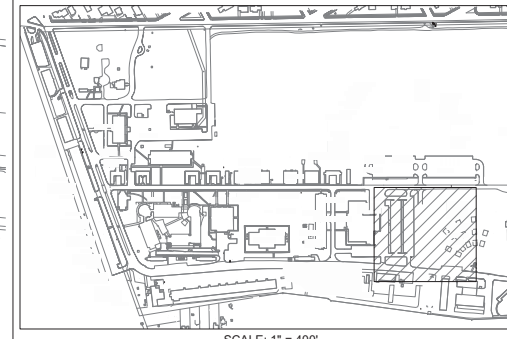
KEY NOTES:

- ① CONNECT TO EX. STR. DI#19, INV. IN: 2.24 (REF. PLAN NEW JERSEY RTI-CONTRACT NO.: W90FYQ-09-D-0001)
- ② INFILTRATION BASIN. SEE DETAIL A1 ON SHEET C-505.
- ③ CURB BREAK WITH FLUME. REFER TO DETAIL A1 ON SHEET C-504.

DRAINAGE STRUCTURE SCHEDULE

ID	RIM	INV. IN	INV. OUT
DI #1	11.60	-	7.74
DI #2	11.35	6.65	6.55
DI #3	11.35	5.39	5.29
DI #4	10.95	-	5.50
DI #5	6.60	-	2.40
ST MH #1	13.50	7.57	7.47
ST MH #8 (EX)	14.25	5.00 (NW) 5.00 (NE)	4.80
DI #19 (EX)	8.30	2.24	2.14 (EX) 2.24 (EX)

KEY PLAN



290 Madison Avenue, Montclair, New Jersey 07042
 Michael R. Lorenz, PE
 New Jersey License: 24GE03215600

Revision: _____ By: _____ Description: _____
 Date: _____

**SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
 ENGINEERING HOUSING MAINTENANCE SHOP &
 VEHICLE MAINTENANCE SHOP (EHMS / FMS)**

NEW JERSEY ARMY NATIONAL GUARD
 NATIONAL GUARD TRAINING CENTER (NGTC)
 SEA GIRT, NEW JERSEY

CONTRACT NUMBER: W90FYQ-09-D-0001
 TASK ORDER NUMBER: ZK10

Key Plan: _____
 Scales: _____

Jacobs Project No.: FDYD8400
 Drawing Title: **CIVIL
 SITE GRADING AND
 DRAINAGE PLAN**

Date: 30 SEPTEMBER 2014
 Designed By: R. CROWLEY Drawing No.:
 Drawn By: M. WERDER
 Checked By: D. CALLAHAN

CG-102

NEW JERSEY ARMY NATIONAL GUARD

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS

POWER PLANT BUILDING (PPB)

NATIONAL GUARD TRAINING CENTER (NGTC)

SEA GIRT, NEW JERSEY

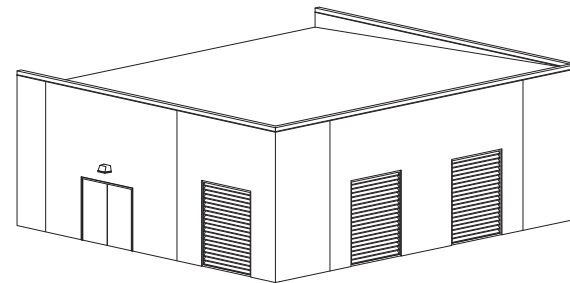
CONTRACT NO. W90FYQ-09-D-0001

TASK ORDER NUMBER: ZK10

100% BID-FINALS SUBMISSION

ISSUED FOR CONSTRUCTION

30 SEPTEMBER 2014



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.
2. CONTRACTOR SHALL COORDINATE WITH ON GOING CONSTRUCTION OF SUPERSTORM SANDY DISASTER RESPONSE TELECOMMIT INFRASTRUCTURE PROJECT.
3. LL PHOTOVOLTAIC PANELS SHALL BE REMOVED, SECURELY PLACED IN CONTAINER, AND STORED AT THE NJARNG NATIONAL GUARD TRAINING CENTER. COORDINATE WITH COR ON LOCATION. STORE DISASSEMBLED SUPPORT STRUCTURES OFF THE GROUND, COVERED, AND PROTECTED FROM THE WEATHER.

Michael R. Lorenz, PE
New Jersey License: 24GE03215600

Revision: _____ By: _____
Date: _____ Description: _____

**SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
POWER PLANT BUILDING (PPB)**

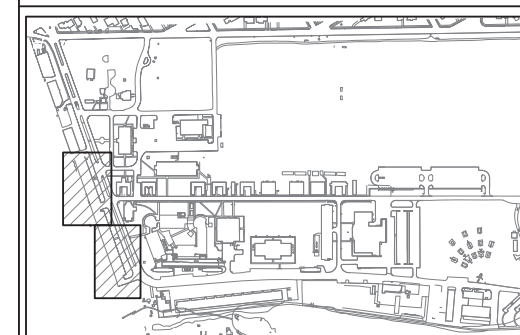
CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

KEY NOTES:

- ① LIMITS OF CLEARING AND GRUBBING.
- ② REMOVE EXISTING ASPHALT PAVEMENT.
- ③ REMOVE EXISTING CONCRETE CURB.
- ④ REMOVE AND RELOCATE UTILITY POLE.
- ⑤ CONTRACTOR STAGING AREA.

KEY PLAN

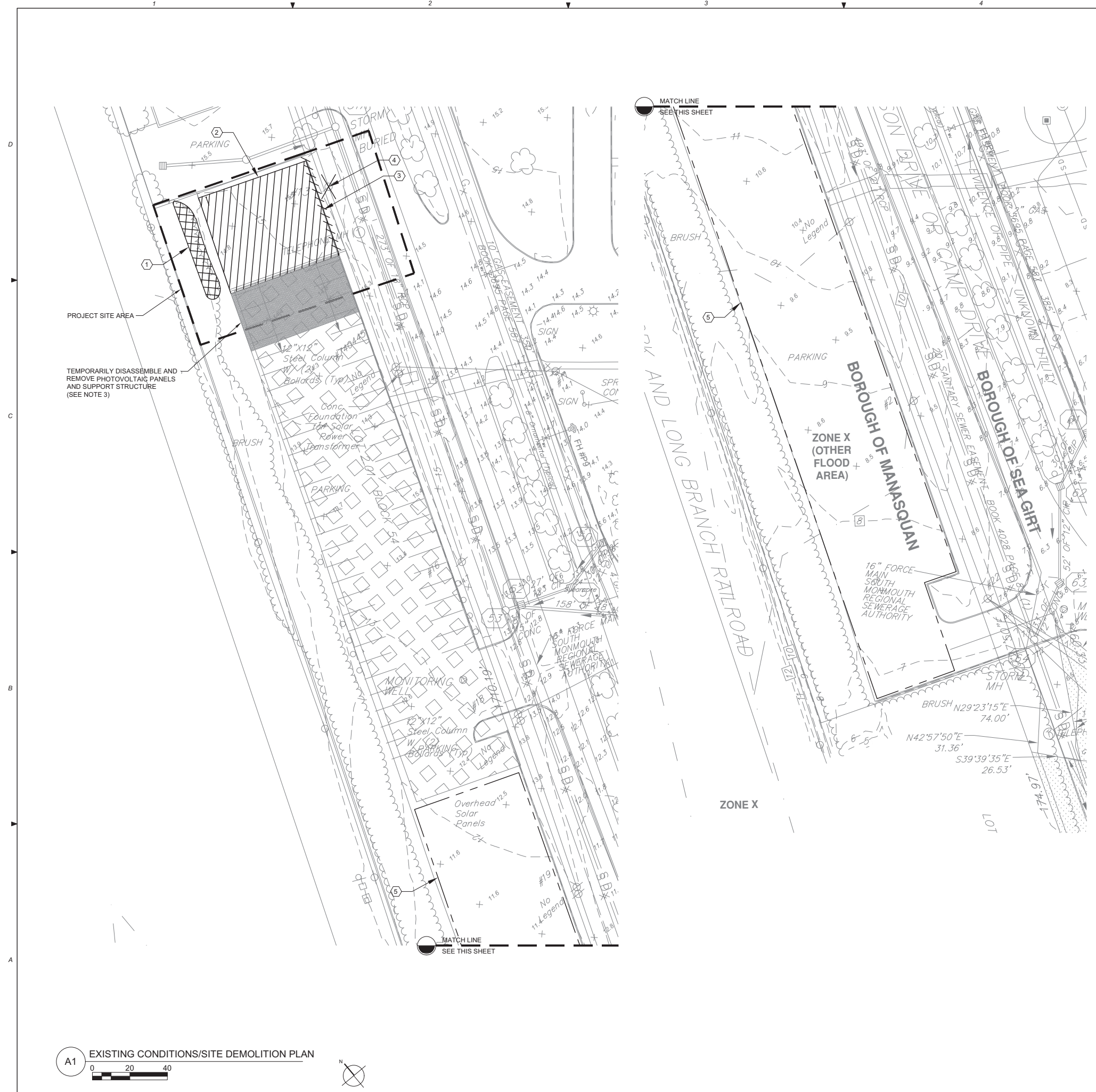


Scales:

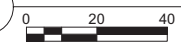
Jacobs Project No.: FDYD8400

Drawing Title: **CIVIL
EXISTING CONDITIONS /
SITE DEMOLITION PLAN**

Date: 30 SEPTEMBER 2014
Designed By: R. CROWLEY Drawing No.:
Drawn By: M. WERDER
Checked By: D. CALLAHAN **C-101**



A1 EXISTING CONDITIONS/SITE DEMOLITION PLAN



SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE WITH ON-GOING CONSTRUCTION OF THE REGIONAL TRAINING INSTITUTE (RTI) PROJECT.
2. CONTRACTOR SHALL COORDINATE WITH ON GOING CONSTRUCTION OF SUPERSTORM SANDY DISASTER RESPONSE TELECOMMIT INFRASTRUCTURE PROJECT.
3. REFER TO DETAIL D4 ON SHEET C-503 FOR DETAIL OF AREA DRAINS.
4. PROVIDE 6" X 15" 45° WYE FITTING FOR CONNECTING AREA DRAINS TO 15" PVC STORM SEWER
5. PROVIDE IN-LINE CLEANOUT 5 FEET FROM BUILDING ON BRANCH LINE CONNECTING TO ROOF DOWNSPOUT.
6. PROVIDE 8" X 15" 45° WYE FOR ALL BRANCH LINES CONNECTING TO ROOF DOWNSPOUT.
7. PROVIDE 8" X 15" 45° WYE TO CONNECT AREA DRAINS TO 15" PVC HEADER PIPE.

Revision: _____ By: _____ Description: _____
Date: _____

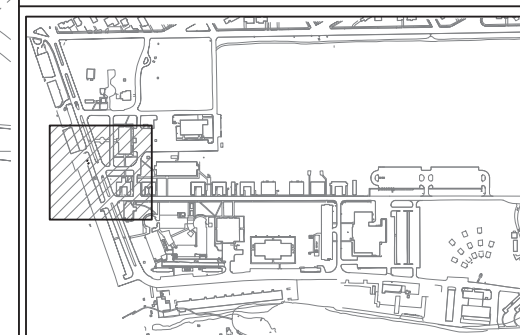
KEY NOTES:

- ① 5 LF 8" PVC STORM SEWER SLOPED AT 1.00% (MIN). PROVIDE 90° VERTICAL BEND 30 INCHES BELOW FINISHED GRADE AND CONNECT TO CAST IRON DOWNSPOUT BOOT. PROVIDE NECESSARY TRANSITION FITTING TO CONNECT PVC PIPE TO CAST IRON BOOT. REFER TO ARCHITECTURE PLANS FOR DOWNSPOUT BOOT LOCATIONS.
- ② 7 FT HIGH CHAIN LINK FENCE WITH 3 STRAND BARBED WIRE OUTRIGGER. REFER TO DETAIL C3 ON SHEET C-501. ALL BENDS IN FENCE ARE 45° OR 90°, UNLESS NOTED OTHERWISE.
- ③ CONNECT TO 15" HEADER PIPE WITH 15" X 8" PVC 45° WYE FITTING.

DRAINAGE STRUCTURE SCHEDULE

ID	TOP OF FRAME	INV. IN	INV. OUT
AD #1	15.4	13.12	13.02
AD #2	15.2	12.80	12.70
ST MH #1 (DOGHOUSE)	14.9	7.74 (N) 7.74 (W)	7.64

KEY PLAN



SCALE: 1" = 400'

Key Plan:

Scales:

Jacobs Project No.: FDYD8400

Drawing Title:

**CIVIL
SITE GRADING &
DRAINAGE PLAN**

Date: 30 SEPTEMBER 2014

Designed By: R. CROWLEY Drawing No.:

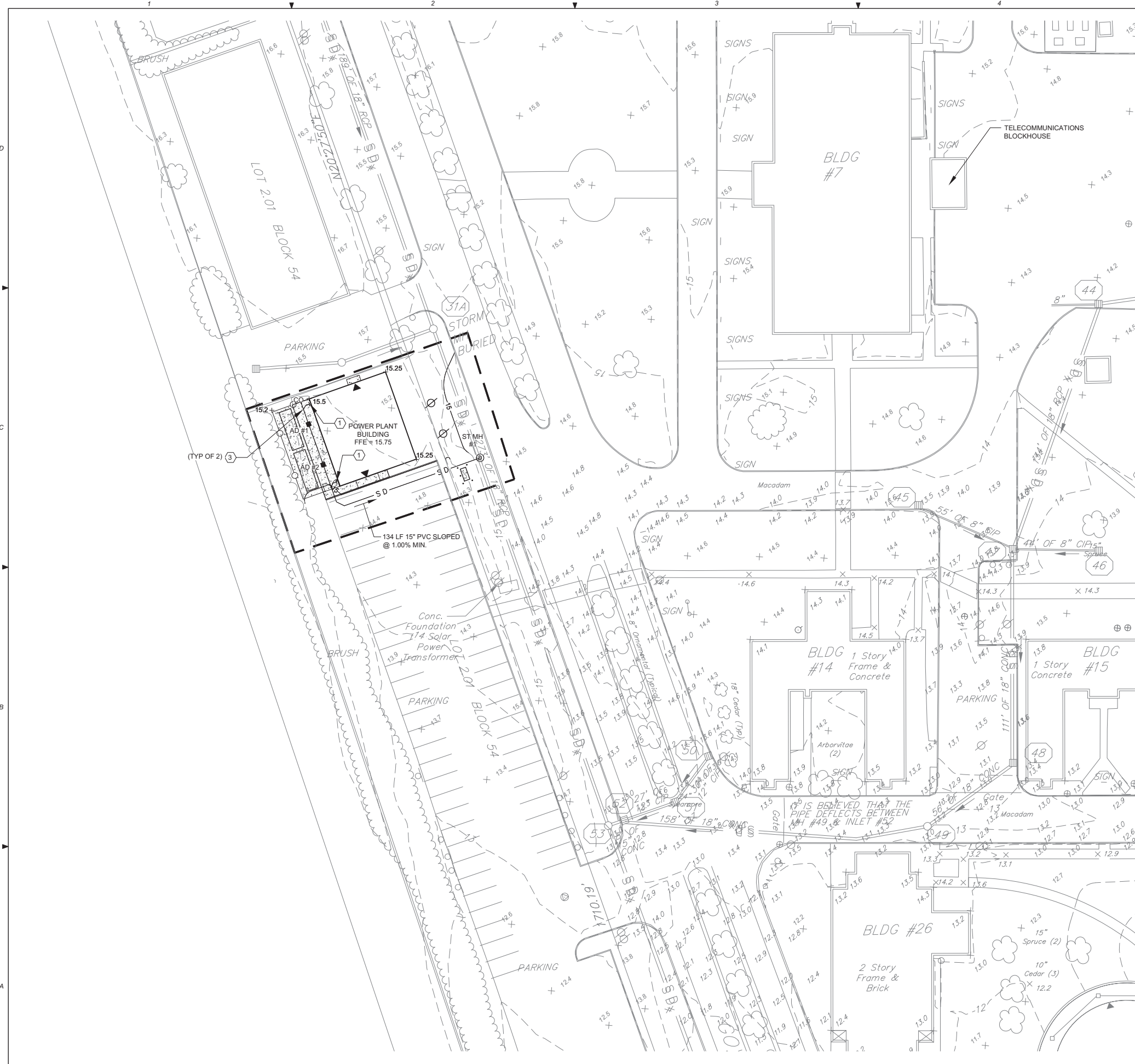
Drawn By: M. WERDER

Checked By: D. CALLAHAN

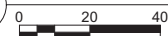
CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

CG-101



A1 SITE GRADING & DRAINAGE PLAN



1 2 3 4 5

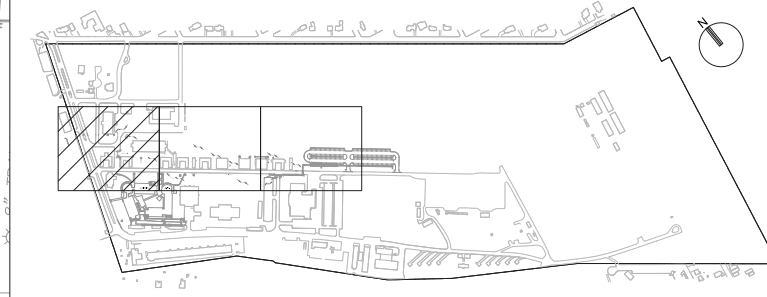
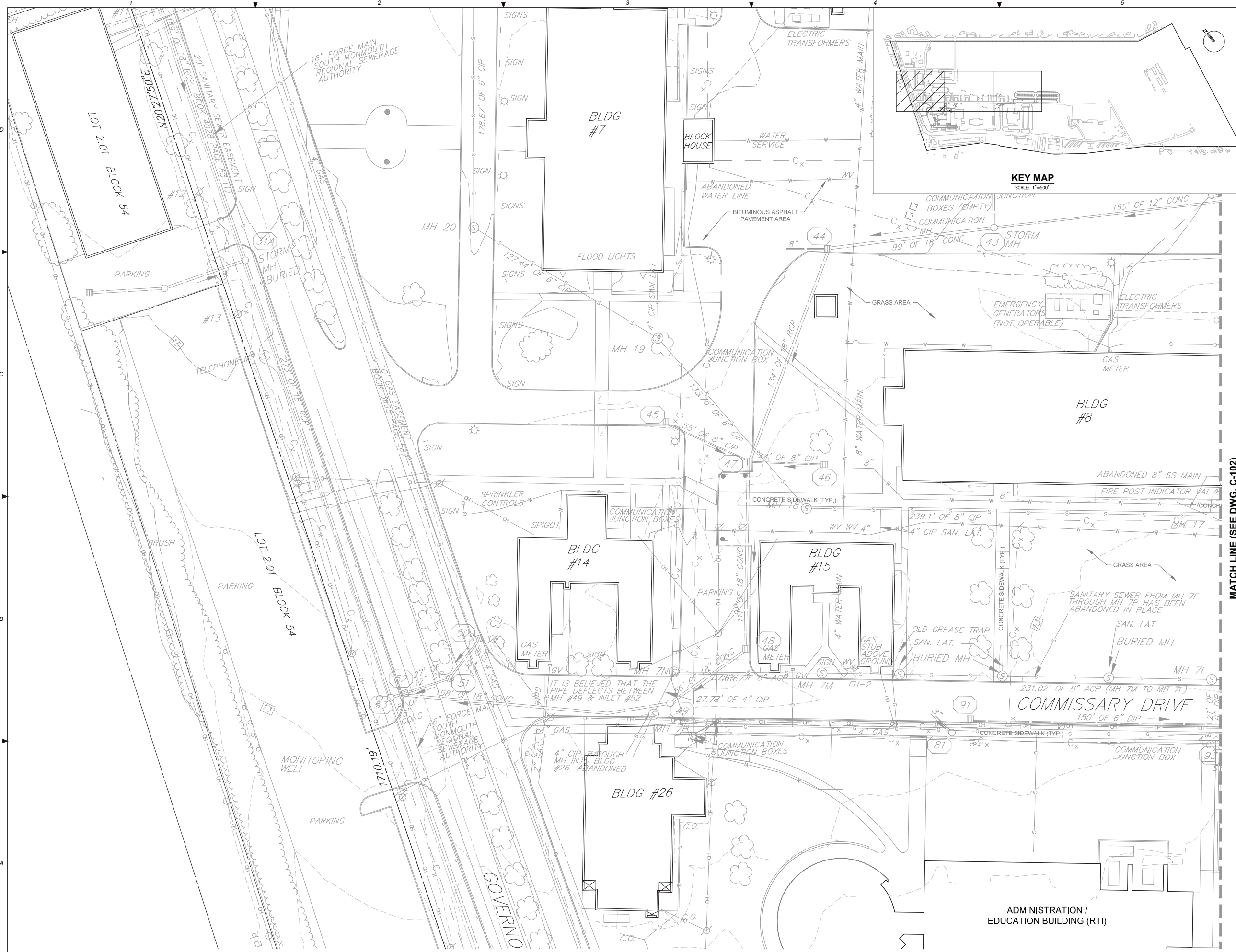
NEW JERSEY ARMY NATIONAL GUARD

◎

SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TELECOM / IT INFRASTRUCTURE
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

CONTRACT NO. W90FYQ-09-D-0001
100 % BID-FINALS SUBMISSION
ISSUED FOR CONSTRUCTION
25 JULY 2014





MATCH LINE (SEE DWG. C-102)

**SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TELECOM / IT INFRASTRUCTURE**

CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

Key Plan: _____

Scales:
SCALE IN FEET
1"=20'

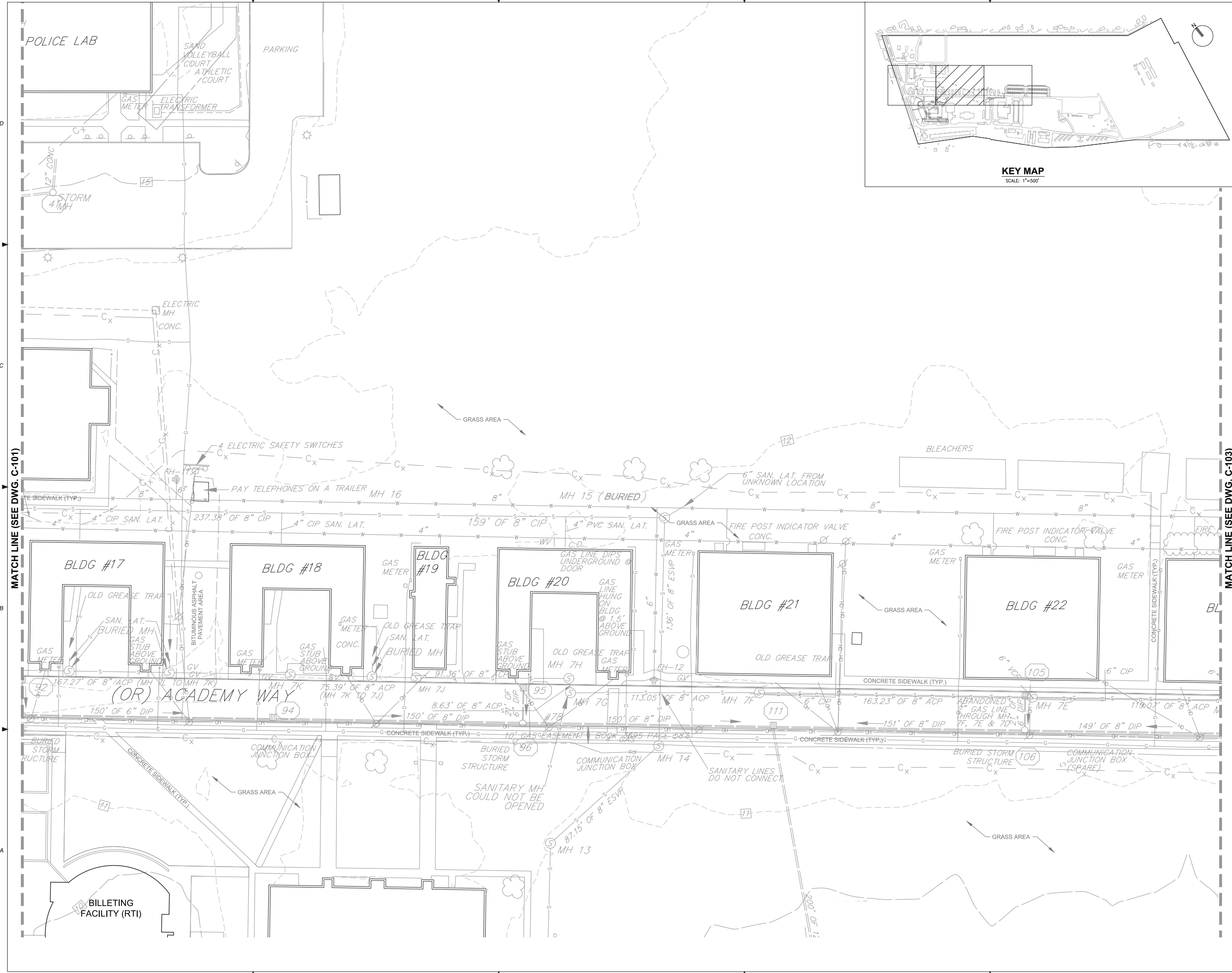
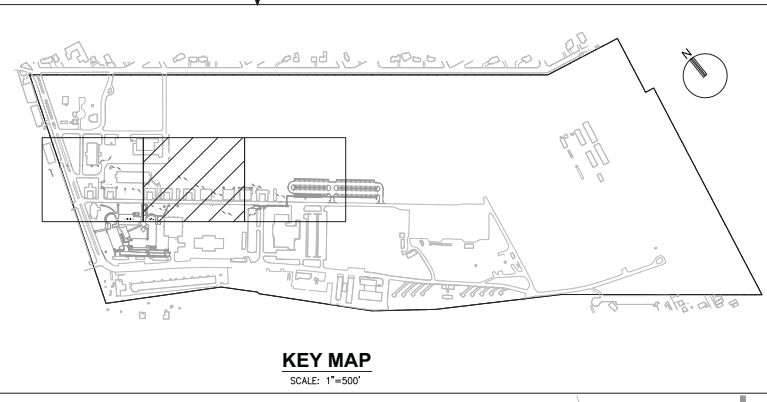
Jacobs Project No.: FDWD9900

Drawing Title: **EXISTING
CONDITIONS
PLAN**

Date: 25 JULY 2014

Designed By: IK
Drawn By: DP/IK
Checked By: IM

Drawing No.: **C-101**

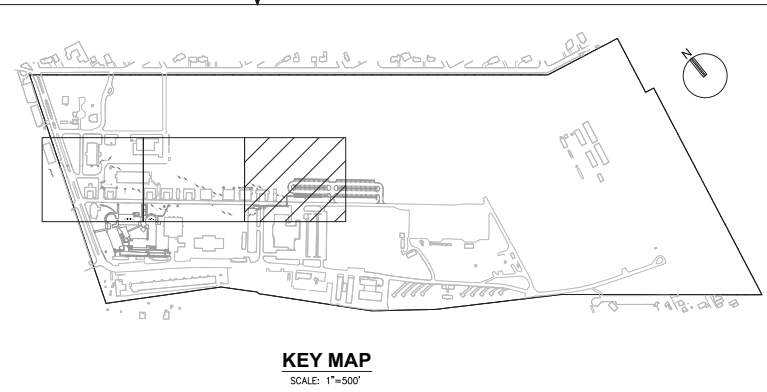


**SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TELECOM / IT INFRASTRUCTURE**

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

Key Plan: _____
Scales: _____
SCALE IN FEET
1"=20'
Jacobs Project No.: FDWD9900
Drawing Title: **EXISTING CONDITIONS PLAN**
Date: 25 JULY 2014
Designed By: IK
Drawn By: DP/IK
Checked By: IM
Drawing No.: **C-102**



**SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TELECOM / IT INFRASTRUCTURE**

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

Key Plan: _____

Scales:
SCALE IN FEET
1"=20'

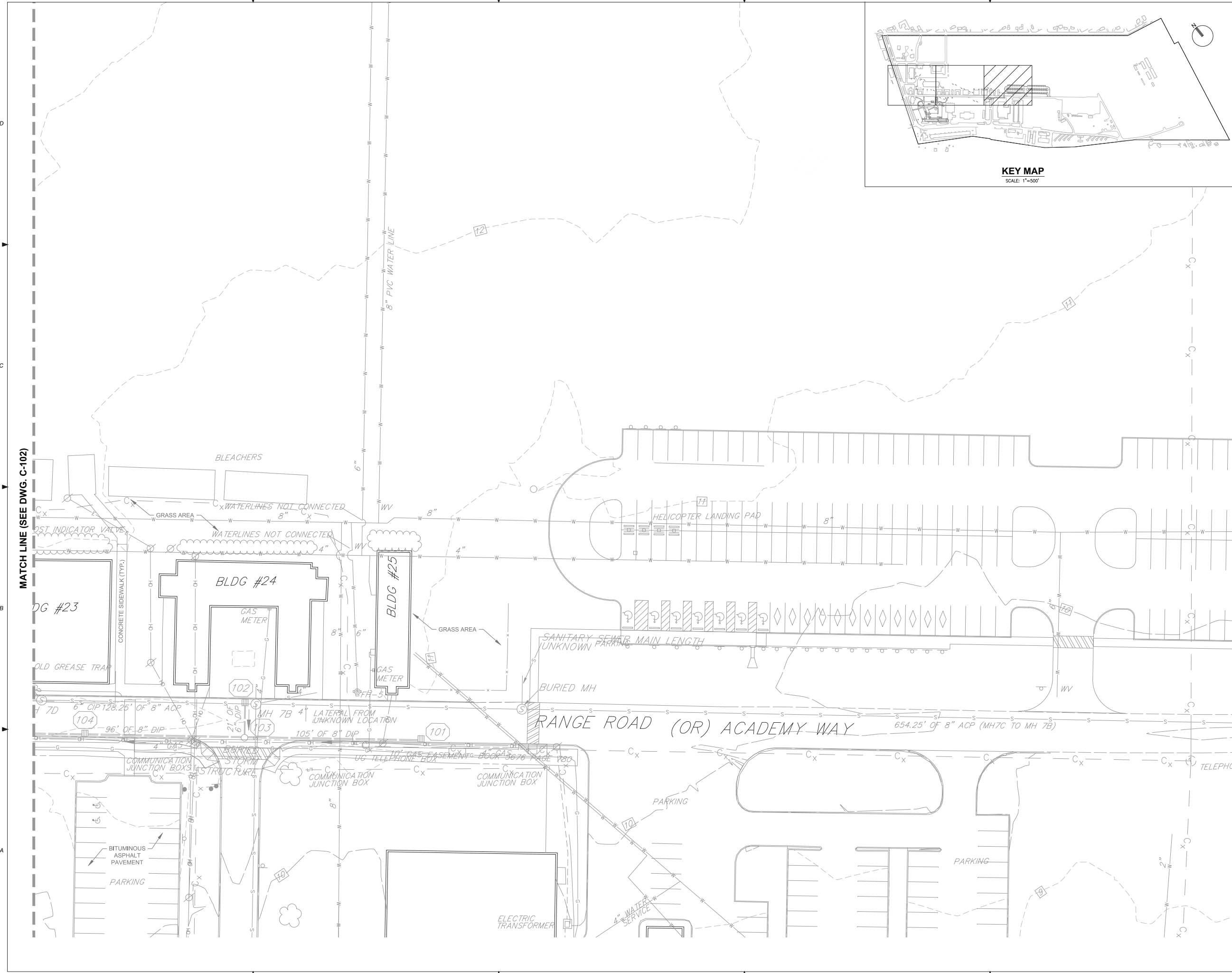
Jacobs Project No.: FDWD9900

Drawing Title: **EXISTING CONDITIONS PLAN**

Date: 25 JULY 2014

Designed By: IK
Drawn By: DP/IK
Checked By: IM

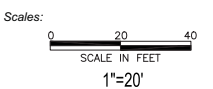
Drawing No.: **C-103**



SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TELECOM / IT INFRASTRUCTURE
 NEW JERSEY ARMY NATIONAL GUARD
 NATIONAL GUARD TRAINING CENTER (NGTC)
 SEA GIRT, NEW JERSEY
 CONTRACT NUMBER: W90FYQ-09-D-0001
 TASK ORDER NUMBER: ZK10

MATCH LINE (SEE DWG. C-108)

Key Plan:



Jacobs Project No.: FDWD9900

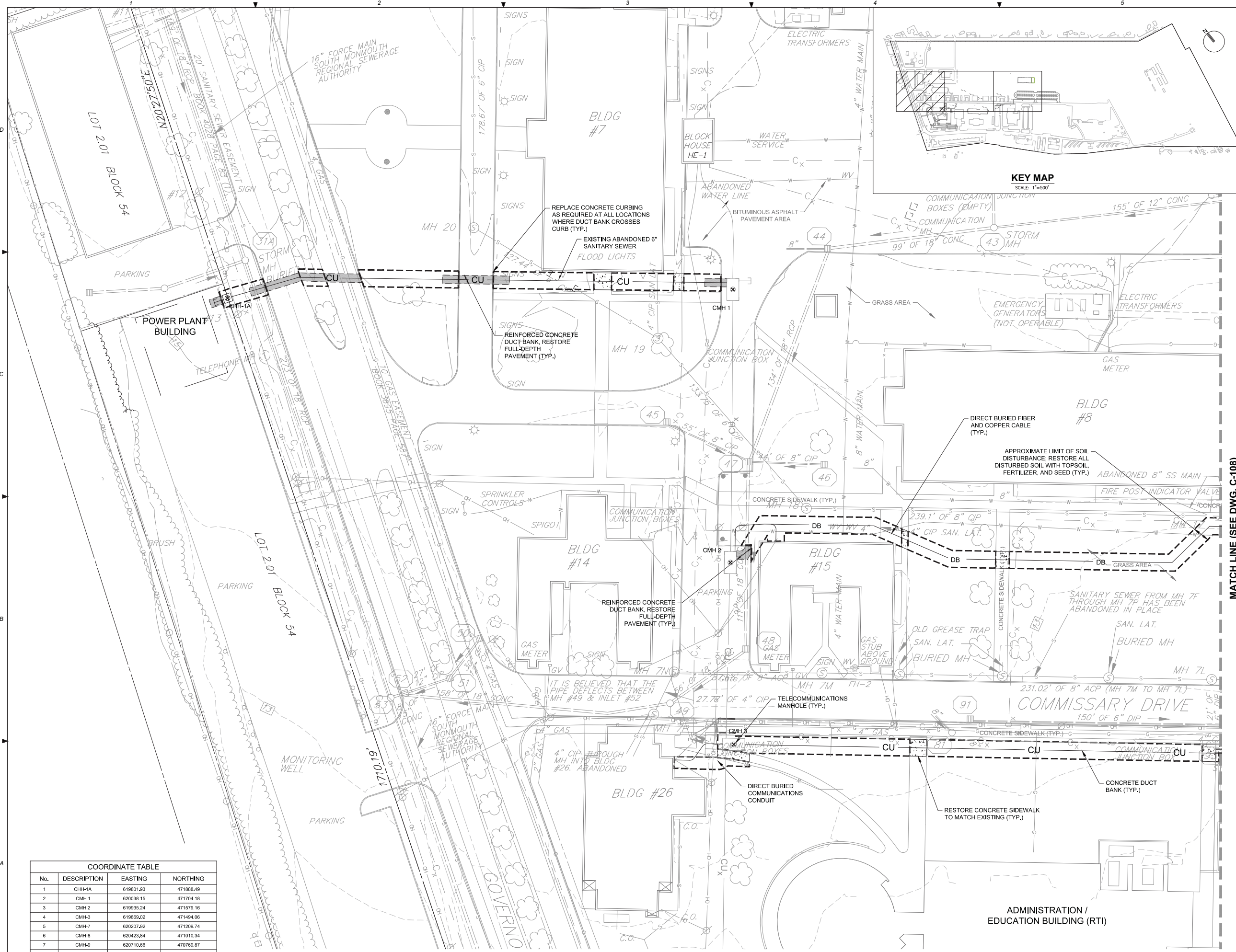
Drawing Title:

SITE PLAN

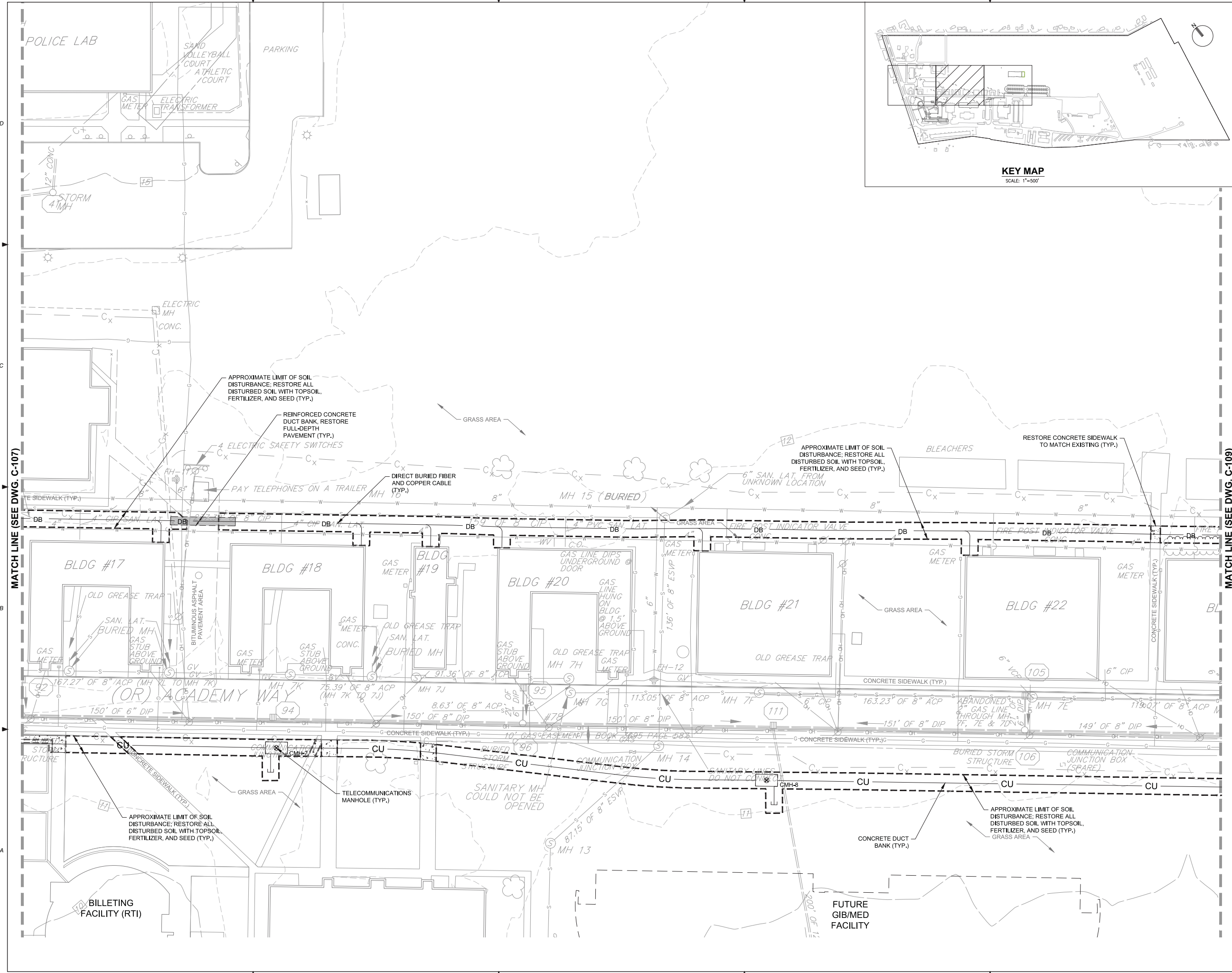
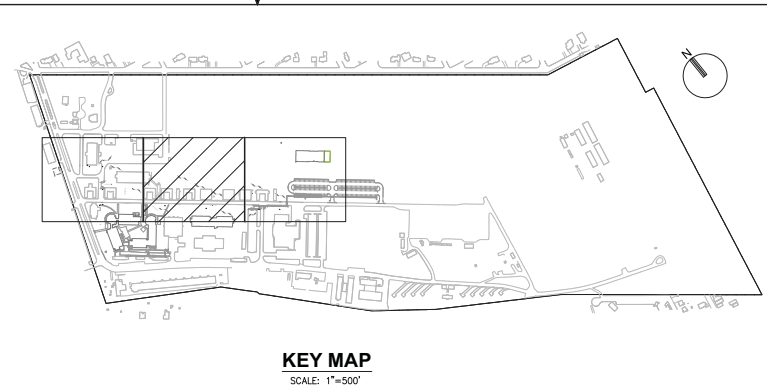
Date: 25 JULY 2014

Designed By: IK
Drawn By: DP/IK
Checked By: IM

Drawing No.: **C-107**



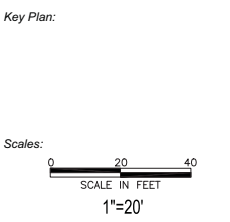
COORDINATE TABLE			
No.	DESCRIPTION	EASTING	NORTHING
1	CHH-1A	619801.93	471888.49
2	CMH 1	620038.15	471704.16
3	CMH 2	619935.24	471579.16
4	CMH-3	619869.02	471494.06
5	CMH-7	620207.92	471209.74
6	CMH-8	620423.84	471010.34
7	CMH-9	620710.66	470769.87
8	CMH-10	620825.10	470676.66
9	CHH-10A	621130.05	471037.37



**SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TELECOM / IT INFRASTRUCTURE**

CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

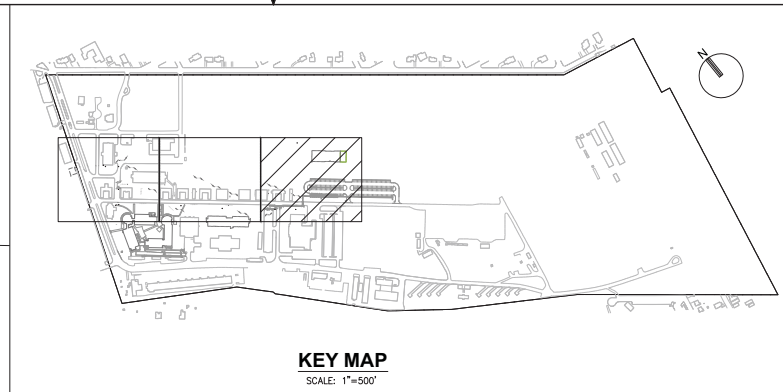
NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY



Jacobs Project No.: FDWD9900
Drawing Title:

SITE PLAN

Date: 25 JULY 2014
Designed By: K
Drawn By: DP/IK
Checked By: IM
C-108

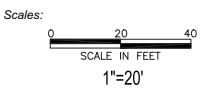


**SUPERSTORM SANDY DISASTER RESPONSE PROJECTS
TELECOM / IT INFRASTRUCTURE**

CONTRACT NUMBER: W90FYQ-09-D-0001
TASK ORDER NUMBER: ZK10

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER (NGTC)
SEA GIRT, NEW JERSEY

Key Plan:



Jacobs Project No.: FDWD9900

Drawing Title:

SITE PLAN

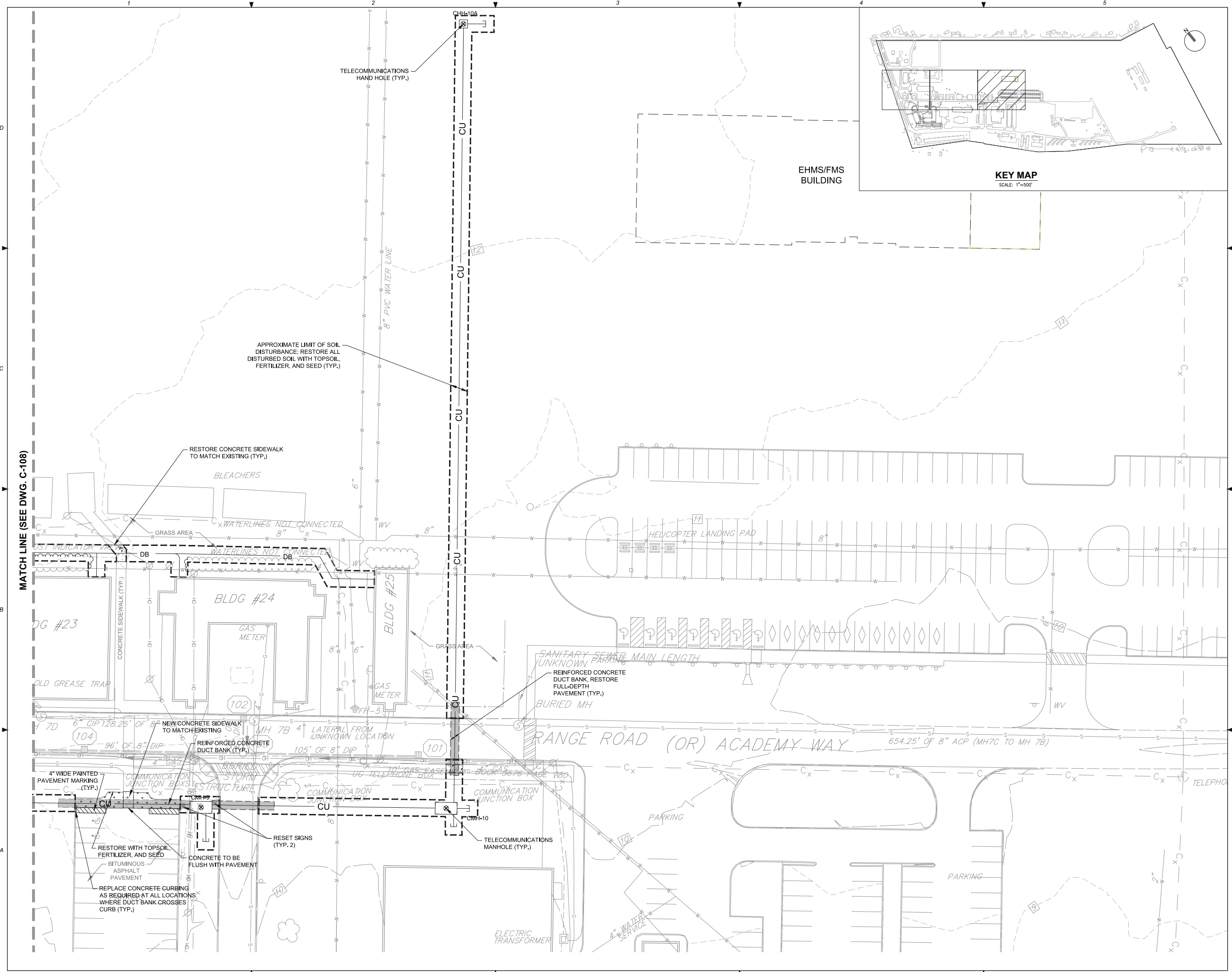
Date: 25 JULY 2014

Designed By: IK

Drawn By: DP/IK

Checked By: IM

Drawing No.:
C-109





December 2014



APPENDIX C

Executive Order 11988, Floodplain Management



December 2014





Executive Order 11988 -- Floodplain Management

SOURCE: The provisions of Executive Order 11988 of May 24, 1977, appear at 42 FR 26971, 3 CFR, 1977 Comp., p. 117, unless otherwise noted.

By virtue of the authority vested in me by the Constitution and statutes of the United States of America, and as President of the United States of America, in furtherance of the National Environmental Policy Act of 1969, as amended (42 U.S.C. 4321 et seq.), the National Flood Insurance Act of 1968, as amended (42 U.S.C. 40011 et seq.), and the Flood Disaster Protection Act of 1973 (Public Law 93-234, 87 Stat. 975), in order to avoid to the extent possible the long and short term adverse impacts associated with the occupancy and modification of floodplain development wherever there is a practicable alternative, it is hereby ordered as follows:

Section 1. Each agency shall provide leadership and shall take action to reduce the risk of flood loss, to minimize the impact of floods on human safety, health and welfare, and to restore and preserve the natural and beneficial values served by floodplains in carrying out its responsibilities for (1) acquiring, managing, and disposing of Federal lands, and facilities; (2) providing Federally undertaken, financed, or assisted construction and improvements; and (3) conducting Federal activities and programs affecting land use, including but not limited to water and related land resources planning, regulating, and licensing activities.

SEC. 2. In carrying out the activities described in Section 1 of this Order, each agency has a responsibility to evaluate the potential effects of any actions it may take in a floodplain; to ensure that its planning programs and budget request reflect consideration of flood hazards and floodplain management; and to prescribe procedures to implement the policies and requirements of this Order, as follows:

Before taking an action, each agency shall determine whether the proposed action will occur in a floodplain--for major Federal actions significantly affecting the quality of the human environment, the evaluation required below will be included in any statement prepared under Section 102(2)(C) of the National Environmental Policy Act. This Determination shall be made according to a Department of Housing and Urban Development (HUD) floodplain map or a more detailed map of an area, if available. If such maps are not available, the agency shall make a determination of the location of the floodplain based on the best available information. The Water Resources Council shall issue guidance on this information not later than October 1, 1977.

If an agency has determined to, or proposes to, conduct, support, or allow an action to be located in a floodplain, the agency shall consider alternatives to avoid adverse effects and incompatible



development in the floodplains. If the head of the agency finds that the only practicable alternative consistent with the law and with the policy set forth in this Order requires sitting in a floodplain, the agency shall, prior to taking action, (i) design or modify its action in order to minimize potential harm to or within the floodplain, consistent with regulations issued in accord with Section 2(d) of this Order, and (ii) prepare and circulate a notice containing an explanation of why the action is proposed to be located in the floodplain.

For programs subject to the Office of Management and Budget Circular A-95, the agency shall send the notice, not to exceed three pages in length including a location map, to the state and area wide A-95 clearinghouses for the geographic areas affected. The notice shall include (i) the reasons why the action is proposed to be located in a floodplain; (ii) a statement indicating whether the action conforms to applicable state or local floodplain protection standards and (iii) a list of the alternatives considered. Agencies shall endeavor to allow a brief comment period prior to taking any action.

Each agency shall also provide opportunity for early public review of any plans or proposals for actions in floodplains, in accordance with Section 2(b) of Executive Order No. 11514, as amended, including the development of procedures to accomplish this objective for Federal actions whose impact is not significant enough to require the preparation of an environmental impact statement under section 102(2)(C) of the National Environmental Policy Act of 1969, as amended.

Any requests for new authorization or appropriations transmitted to the Office of Management and Budget shall indicate, if an action to be proposed will be located in a floodplain, whether the proposed action is in accord with this Order.

Each agency shall take floodplain management into account when formulating or evaluating any water and land use plans and shall require land and water resources use appropriate to the degree of hazard involved. Agencies shall include adequate provision for the evaluation and consideration of flood hazards in the regulations and operating procedures for the licenses, permits, loan or grants-in-aid programs that they administer. Agencies shall also encourage and provide appropriate guidance to applicants to evaluate the effects of their proposals in floodplains prior to submitting applications for Federal licenses, permits, loans or grants.

As allowed by law, each agency shall issue or amend existing regulation and procedures within one year to comply with this Order. These procedures shall incorporate the Unified National Program for Floodplain Management of the Water Resources Council, and shall explain the means that the agency will employ to pursue the nonhazardous use of riverine, coastal and other floodplains in connection with the activities under its authority. To the extent possible, existing processes, such as those of the Council on Environmental Quality and the Water Resources Council, shall be utilized to fulfill the requirements of this Order. Agencies shall prepare their procedures in consultation with the Water



Resources Council, the Director of the Federal Emergency Management Agency, and the Council on Environmental Quality, and shall update such procedures as necessary.

[Sec. 2 amended by EO 12148 of July 20, 1979, 44 FR 43239, 3 CFR, 1979 Comp., p. 412]

SEC. 3. In addition to the requirements of Section 2, agencies with responsibilities for Federal real property and facilities shall take the following measures:

The regulations and procedures established under Section 2(d) of this Order shall, at a minimum, require the construction of Federal structures and facilities to be in accordance with the standards and criteria and to be consistent with the intent of those promulgated under the National Flood Insurance Program. They shall deviate only to the extent that the standards of the Flood Insurance Program are demonstrably inappropriate for a given type of structure or facility.

If, after compliance with the requirements of this Order, new construction of structures or facilities are to be located in a floodplain, accepted floodproofing and other flood protection measures shall be applied to new construction or rehabilitation. To achieve flood protection, agencies shall, wherever practicable, elevate structures above the base flood level rather than filling in land.

If property used by the general public has suffered flood damage or is located in an identified flood hazard area, the responsible agency shall provide on structures, and other places where appropriate, conspicuous delineation of past and probable flood height in order to enhance public awareness of a knowledge about flood hazards.

When property in floodplains is proposed for lease, easement, right-of-way, or disposal to non-Federal public or private parties, the Federal agency shall (1) reference in the conveyance those uses that are restricted under identified Federal, State or local floodplain regulations; and (2) attach other appropriate restrictions to the uses of properties by the grantee or purchaser and any successors, except where prohibited by law; or (3) withhold such properties from conveyance.

SEC. 4. In addition to any responsibilities under this Order and Sections 202 and 205 of the Flood Disaster Protection Act of 1973, as amended (42 U.S.C. 4106 and 4128), agencies which guarantee, approve, regulate, or insure any financial transaction which is related to an area located in a floodplain shall, prior to completing action on such transaction, inform any private parties participating in the transaction of the hazards of locating structures in the floodplain.



SEC. 5. The head of each agency shall submit a report to the Council on Environmental Quality and to the Water Resources Council on June 30, 1978, regarding the status of their procedures and the impact of this Order on the agency's operations. Thereafter, the Water Resources Council shall periodically evaluate agency procedures and their effectiveness.

SEC. 6. As used in this Order:

The term "agency" shall have the same meaning as the term "Executive agency" in Section 105 of Title 5 of the United States Code and shall include the military departments; the directives contained in this Order, however, are meant to apply only to those agencies which perform the activities described in Section 1 which are located in or affecting floodplains.

The term "base flood" shall mean that flood which has a one percent or greater chance of occurrence in any given year.

The term "floodplain" shall mean the lowland and relative-ly flat areas adjoining inland and coastal waters including floodprone areas of offshore islands, including at a minimum, that area subject to a one percent or greater chance of flooding in any given year.

SEC. 7. Executive Order No. 11296 of August 10, 1966, is hereby revoked. All actions, procedures, and issuances taken under that Order and still in effect shall remain in effect until modified by appropriate authority under the terms of this Order.

SEC. 8. Nothing in this Order shall apply to assistance provided for emergency work essential to save lives and protect property and public health and safety, performed pursuant to section 305 and 306 of the Disaster Relief Act of 1974 (88 Stat. 148, 42 U.S.C. 5145 and 5146).

SEC. 9. To the extent the provisions of section 2(a) of this Order are applicable to projects covered by Section 104(h) of the Housing and Community Development Act of 1974, as amended (88 Stat. 640), 42 U.S.C. 5304(h)), the responsibilities under those provisions may be assumed by the appropriate applicant, if the applicant has also assumed, with respect to such projects, all of the responsibilities for environmental review, decision making, and action pursuant to the National Environmental Policy Act of 1969, as amended.



December 2014



APPENDIX D

Certificate of Compliance

for

Executive Order 11988, Floodplain Management

Executive Order 11990, Protection of Wetlands



December 2014





State of New Jersey
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
POST OFFICE BOX 340
TRENTON, NEW JERSEY 08625-0340

CHRIS CHRISTIE
Governor
Commander-in-Chief

December 16, 2015

☆
MICHAEL L. CUNNIFF
Brigadier General
The Adjutant General

MEMORANDUM FOR: National Guard Bureau (ARNG-ILI) COL Kimberly O'Keefe,
ARNG Readiness Center, 111 South George Mason Drive, Arlington, Virginia 22204-1382

SUBJECT: Certificate of Compliance

The MILCON projects to construct new replacement facilities associated with the Superstorm Sandy Disaster Response Projects, Project Numbers: 340124, 340126, 340127, 340128, 340129, and 340130, is proposed to be located partially within a FEMA floodplain. The specific replacement facilities are located outside the 100-year delineated floodplain; however, two surface parking lots in support of the replacement facilities are located within the 100-year delineated floodplain and subject to flooding under certain conditions. While alternative locations for the surface parking lots were explored, the mission dictates that they are located as proposed. The facilities will be designed and sited to minimize possible environmental damages caused by encroachment into the floodplain. No practical alternatives exist to the facility as proposed and sited.

With respect to this project, I certify that all the provisions of Executive Order 11988 and 11990, both dated May 24, 1977, have been or are being complied with.

The point of contact for further information on this project is the Construction and Facility Management Officer for New Jersey, COL Michael Lyons; Office: 609-530-6960; Email: michael.a.lyons5.mil@mail.mil

A handwritten signature in black ink, appearing to read "Michael L. Cuniff".

MICHAEL L. CUNNIFF
Brigadier General, NJANG
The Adjutant General



December 2014



APPENDIX E

Flood Insurance Rate Maps (FIRM)

Note: The location of the proposed action is designated by red rectangles.



December 2014





December 2014

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only to landward of 0.1 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was State Plane New Jersey FIPS 2000. The horizontal datum was NAD83, GRS 80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
NGA, NNGS12
National Geodetic Survey
SSM-C, #0022
1213 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was produced in digital format by the New Jersey Office of Information Technology (NJOT), Office of Geographic Information Systems (OGIS). This information was derived from digital orthophotos produced at a scale of 1:2400 (1"=200') with a 1-foot pixel resolution from photography dated 2012.

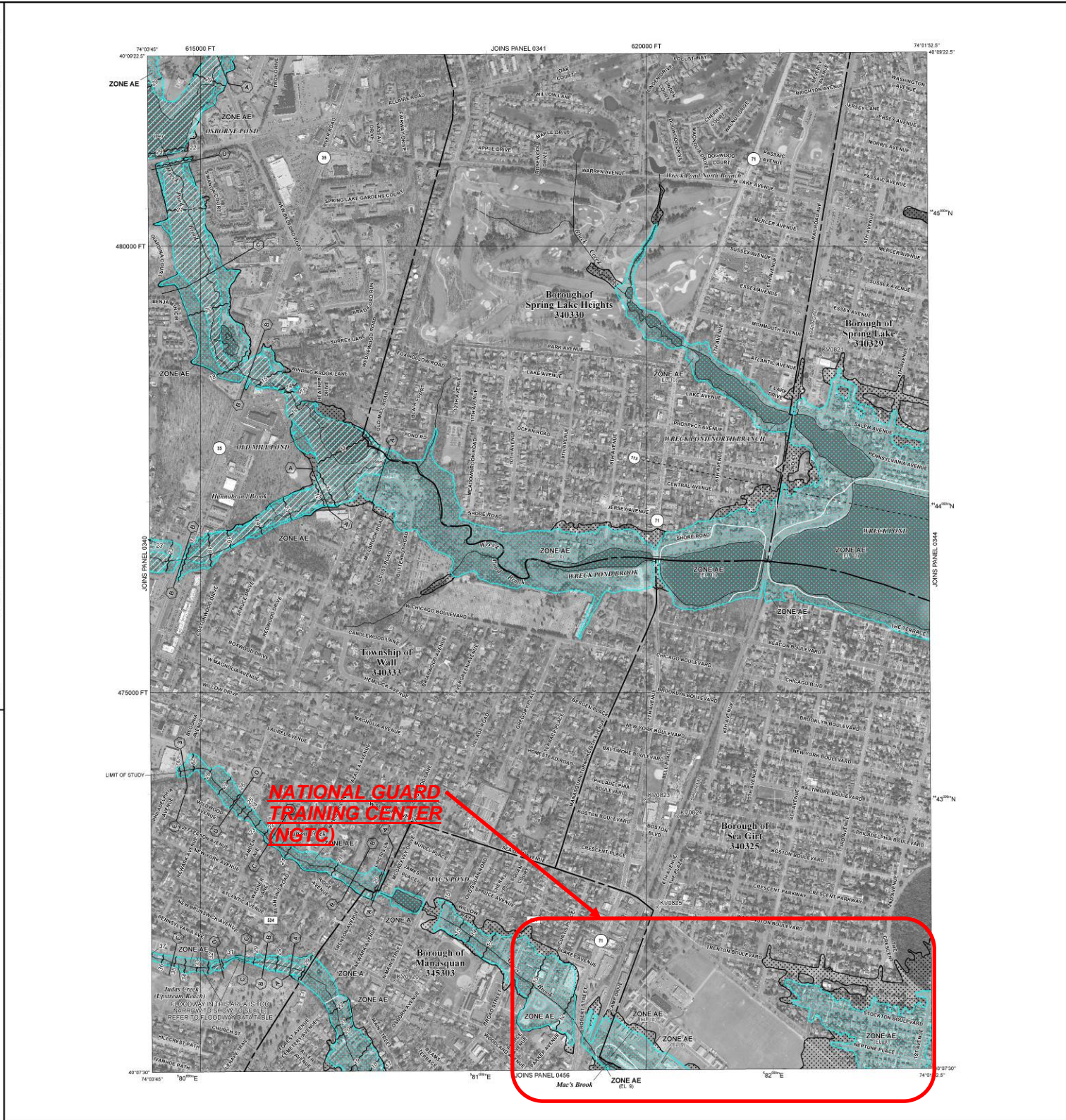
This map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unretained streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or disannexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels, community map repository addresses, and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Information eXchange at 1-877-336-2627 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Information eXchange may also be reached by Fax at 1-800-358-9620 and their website at <http://www.mic.fema.gov>.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/basics/firm>.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AG, AO, AR, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow or sloughing terrain); average depths determined. For areas of atypical flow flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently dismantled. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with change areas less than 1 square mile and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
New Jersey Flood Hazard Area Design Flood (NFHADP)
0.2% annual chance floodplain boundary
Floodway boundary
Zone boundary
CBRS and OPA boundary
Boundary defining Special Flood Hazard Area Zones and boundaries defining Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
Line of Moderate Wave Action
Base Flood Elevation line and value, elevation in feet*
(EL: 687)
Base Flood Elevation value when uniform within zone; elevation in feet*
Referenced to the North American Vertical Datum of 1988
Cross section line
Limited detail cross section line
Transect line
Geographic coordinates, referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
1000-meter Universal Transverse Mercator grid values, zone 18N
600000 FT
3000-foot grid values; New Jersey State Plane coordinate system (FIPS ZONE 2000), Transverse Mercator projection
Bench mark (see explanation in Notes to Users section of this FIRM panel)
M 1.5
MAP REPOSITORY
Refer to listing of Map Repositories on Map Index
EFFECTIVE DATE OF COUNTY-WIDE FLOOD INSURANCE RATE MAP
September 25, 2009
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.
To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-438-6622.

MAP SCALE 1" = 800'

250 0 500 1000
FEET
100 0 150 300
METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0343G

FIRM

FLOOD INSURANCE RATE MAP

MONMOUTH COUNTY, NEW JERSEY (ALL JURISDICTIONS)

PANEL 343 OF 457

(SEE MAP INDEX FOR FIRM LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
MANASQUAN BOROUGH OF	348303	0343	0
SEA GIRT BOROUGH OF	340325	0343	0
SPRING LAKE HEIGHTS BOROUGH OF	340330	0343	0
SPRING LAKE HEIGHTS BOROUGH OF	340330	0343	0
WALL TOWNSHIP OF	348303	0343	0

PRELIMINARY

JANUARY 31, 2014

Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used in insurance applications for the subject community.

MAP NUMBER 34025C0343G

MAP REVISED

Federal Emergency Management Agency



December 2014



NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.9 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was State Plane New Jersey FIPS 3200. The horizontal datum was NAD83. GRS 80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOLA, NNGS12
National Geodetic Survey
SSM-C-90202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was provided in digital format by the New Jersey Office of Information Technology (NJ-OIT), Office of Geographic Information Systems (OGIS). This information was derived from digital orthophotos produced at a scale of 1:2000 (1"=200') with a 1 foot pixel resolution from photography dated 2012.

This map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel changes that differ from what is shown on this map. Also, the need to floodplain relationships for unreviewed streams may differ from what is shown on previous maps.

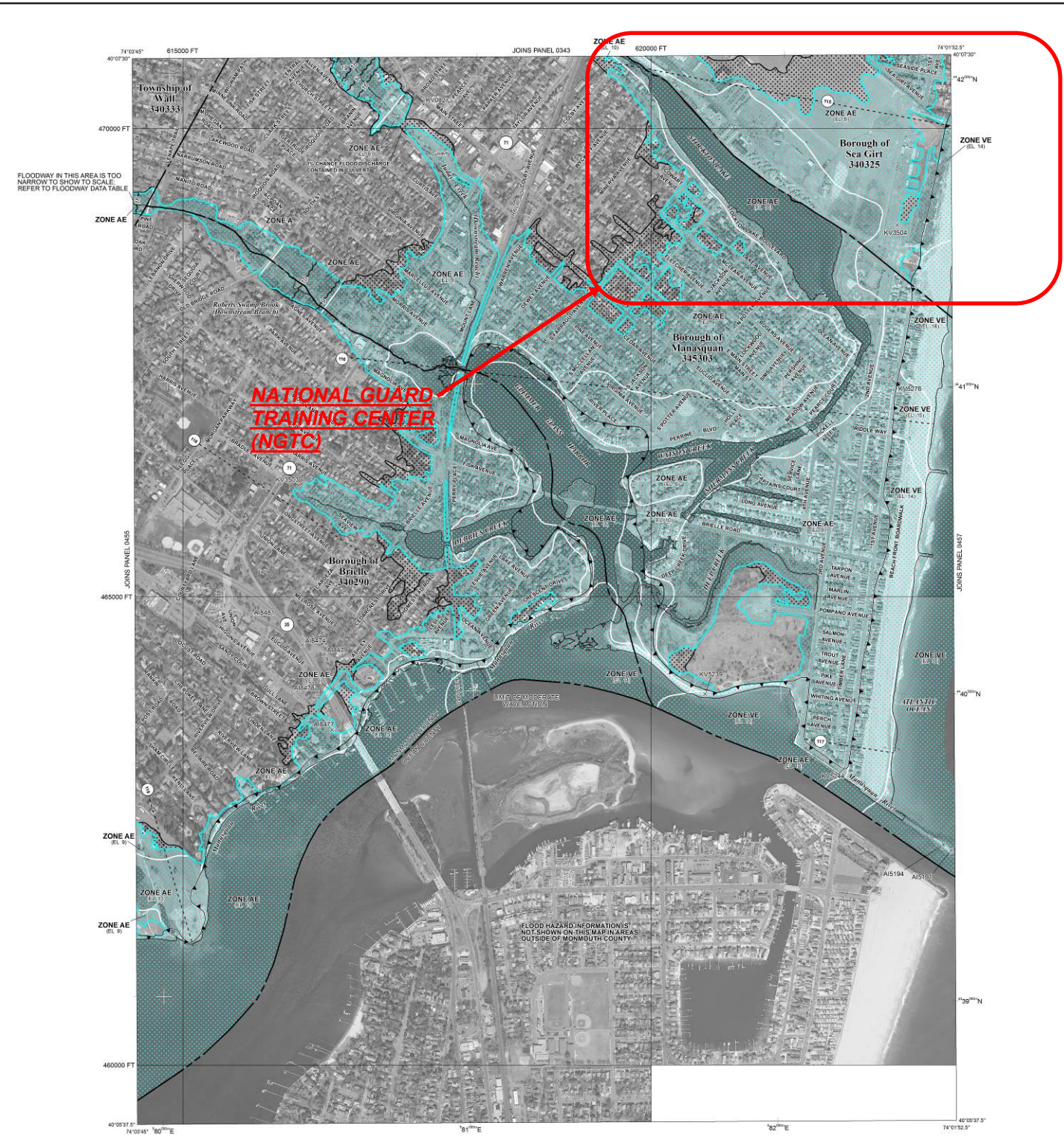
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels, community map repository addresses, and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

The AE Zone category has been divided by a Limit of Moderate Wave Action (LMWA). The LMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LMWA (or between the shoreline and the LMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

Contact the FEMA Map Information eXchange at 1-877-336-2677 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Information eXchange may also be reached by Fax at 1-800-358-9620 and their website at <http://www.msc.fema.gov>.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2677) or visit the FEMA website at <http://www.fema.gov/business/info>.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, AV, VE, and V. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Coastal Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently described. Zone AR indicates that the former flood control system is being removed to provide protection from the 1% annual chance or greater flood.

ZONE AV Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot and with drainage areas less than 1 square mile, and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

New Jersey Flood Hazard Area Design Flood (NJFHADF)

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and otherwise dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Limit of Moderate Wave Action

Base Flood Elevation line and value; elevation in feet* (EL 987)

Base Flood Elevation value where uniform within zone; elevation in feet

* Referenced to the North American Vertical Datum of 1988

Cross section line

Unlabeled cross section line

Transect line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

1000-meter Universal Transverse Mercator grid values, zone 18R

5000-foot grid values; New Jersey State Plane coordinate system (SPSRJ2000), Transverse Mercator projection

Bench mark (see explanation in Notes to Users section of this FIRM panel)

River Mile

MAP REPOSITORY

Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTY-WIDE FLOOD INSURANCE RATE MAP

September 23, 2009

EFFECTIVE DATES OF REVISIONS TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for the jurisdiction.

To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6633.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0456G

FIRM

FLOOD INSURANCE RATE MAP

MONMOUTH COUNTY, NEW JERSEY (ALL JURISDICTIONS)

PANEL 456 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COMMUNITIES

COMMUNITY	UNABLE	PANEL	SUFFIX
BRIDGEBOROUGH OF	34250	0456	G
SEA GIRT BOROUGH OF	34032	0456	G
WALL TOWNSHIP OF	34033	0456	G

PRELIMINARY

JANUARY 31, 2014

Notice to User: The Map Number shown below should be used when printing map sheets. The Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER 34025C0456G

MAP REVISION

Federal Emergency Management Agency



December 2014



APPENDIX F

Public Notice – Affidavit of Publication

with
copy of newspaper article



December 2014



The Coast Star

13 Broad Street
(732) 223-0076

Manasquan, N.J. 08736
Fax (732) 528-1212

AFFIDAVIT OF PUBLICATION

State Of New Jersey
County of Monmouth } ss.

I, James M. Manser, publisher of THE COAST STAR, a newspaper printed and published once a week at Manasquan, in said county and state, who being duly sworn, deposes and saith that the advertisement, of which the annexed is a true copy, has been published in said newspaper 5 times successively, once in each week commencing on the 25 day of December, 2014 and continuing to and including the issue of Jan. 22, 2015.



Sworn and subscribed to before me this
25 day of December, 2014


Notary Public of New Jersey

Printer's Fee: 304.30

Affidavit Fee: \$5.00

Total Fee: 309.30

NANCY CORCORAN
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Feb. 18, 2018

**NEW JERSEY ARMY
NATIONAL GUARD
PUBLIC NOTICE**

The New Jersey Army National Guard (NJARNG) proposes the construction of new replacement facilities consisting of a Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility, an Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility, a Power Plant Building (PPB), and Communications Lines and Underground Ductbank infrastructure in response to damage sustained from Superstorm Sandy which struck New Jersey along the east coast in October 2012. The facilities will be located on approximately 171 acres of State owned property, of which a portion of the property is located within a tidally influenced floodplain. All replacement facilities will be located outside of the 100-year floodplain; however, two surface parking lots in support of the replacement facilities will be located inside the 100-year floodplain. In accordance with Executive Order 11988 Floodplain Management, the NJARNG is affording the public an opportunity to comment on the project.

The Superstorm Sandy Disaster Response Projects are a one-for-one replacement of the existing facilities that were severely damaged during Superstorm Sandy due to storm surge, saltwater infiltration, high winds and

heavy rains and can no longer support the mission requirements of their existing functions and operations. A comprehensive condition assessment was performed on all these damaged facilities and it was determined that due to the associated repair costs, facility age, location within a floodplain, loss of damage to facility contents, and current code compliance requirements, these facilities [MED, GIB, FMS, EHMS, PPB, and Telecom] should be replaced. If not provided, the ability of the organizational units and personnel will be severely degraded and impacted in their ability to operate within their current assigned mission of which some of these facilities support the entire force structure of the New Jersey Army National Guard.

Once completed, these facilities will improve the readiness of the NJARNG by providing replacement facilities that meet the criteria requirements and optimizes the operation of the National Guard Training Center (NGTC) installation. Designed for flexibility and expandability, the modern facilities will support the current and future NGTC and NJARNG state mission requirements and operations, while being located outside of the delineated 100-year floodplain. This is a LEED (Leadership in Energy and Environmental Design) Silver project. The NJARNG is in the process of receiving design approval from the National Guard Bureau, which includes satisfying National Environmental Policy

Act (NEPA) requirements. The NJARNG is seeking a New Jersey Department of Environmental Protection (NJDEP) Coastal Area Facility Review Act (CAFRA) permit and Soil Erosion and Sediment Control permit approval from the Freehold Soil Conservation District. The New Jersey Department of Consumer Affairs will also be conducting a review of the design documents, as well as performing construction inspection.

To mitigate any adverse effects on the buildings due to flooding, all of the replacement facilities have been located outside of the delineated 100-year floodplain. In addition, the finished floor elevation of each is building is to be set a minimum of 18-inches above the Base Flood Elevation (BFE) of ten (10) feet which is associated with the 100-year floodplain located within the National Guard Training Center in Sea Girt. The NJARNG has considered the following alternatives to building the surface parking lots within the floodplain: 1) do not build the facilities, 2) build the facility on an alternate site. It has been determined that there are no other suitable locations at the NGTC. This facility will be constructed with 100% Federal funding and there are no funds available for the purchase of land. In addition, the NJARNG has determined that not building these facilities would greatly diminish the NJARNG's ability to properly train their soldiers for their assigned missions.

This would result in NJARNG failing to meet current and future training requirements. As previously stated, all buildings will be located outside the 100-year floodplain with finished floor elevations set above the BFE, exceeding Executive Order 11988 and local jurisdictional requirements. The NJARNG has determined that this action will have no adverse effect on the floodplain and the construction of these facilities where currently planned is the preferred alternative.

Copies of the plans will be available from January 5, 2015 through February 5, 2015 and can be viewed at the following locations:

National Guard Training Center
Headquarters Building 7
100 Camp Drive
Sea Girt, NJ
Point of Contact:
Joe Landree, 732-974-5951

Construction and Facilities Maintenance Office (CFMO)
101 Eggerts Crossing Road
Lawrenceville, NJ
Point of Contact:
Linda Croteau, 609-530-7130
Debbie Soto, 609-530-7115

Public comments may be provided no later than February 12, 2015 to Linda Croteau, Chief of Construction Management at the above address/phone or via email at linda.croteau@dmava.nj.gov. Depending on comments received, a public meeting for discussion

may be scheduled at the proposed site.

(\$304.30) (895) (12/25, 1/1, 1/8, 1/15, 1/22)
The Coast Star

**NEW JERSEY ARMY
NATIONAL GUARD
PUBLIC NOTICE**

The New Jersey Army National Guard (NJARNG) proposes the construction of new replacement facilities consisting of a Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB) facility, an Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS) facility, a Power Plant Building (PPB), and Communications Lines and Underground Ductbank infrastructure in response to damage sustained from Superstorm Sandy which struck New Jersey along the east coast in October 2012. The facilities will be located on approximately 171 acres of State owned property, of which a portion of the property is located within a tidally influenced floodplain. All replacement facilities will be located outside of the 100-year floodplain; however, two surface parking lots in support of the replacement facilities will be located inside the 100-year floodplain. In accordance with Executive Order 11988 Floodplain Management, the NJARNG is affording the public an opportunity to comment on the project.

The Superstorm Sandy Disaster Response Projects are a one-for-one replacement of the existing facilities that were severely damaged during Superstorm Sandy due to storm surge, saltwater infiltration, high winds and heavy rains and can no longer support the mission requirements of their existing functions and operations. A comprehensive condition assessment was performed on all these damaged facilities and it was determined that due to the associated repair costs, facility age, location within a floodplain, loss of damage to facility contents, and current code compliance requirements, these facilities [MED, GIB, FMS, EHMS, PPB, and Telecom] should be replaced. If not provided, the ability of the organizational units and personnel will be severely degraded and impacted in their ability to operate within their current assigned mission of which some of these facilities support the entire force structure of the New Jersey Army National Guard.

Once completed, these facilities will improve the readiness of the NJARNG by providing replacement facilities that meet the criteria requirements and optimizes the operation of the National Guard Training Center (NGTC) installation. Designed for flexibility and expandability, the modern facilities will support the current and future NGTC and NJARNG state mission requirements and operations, while being located outside of the delineated 100-year floodplain. This is a LEED (Leadership in Energy and Environmental Design) Silver project. The NJARNG is in the process of receiving design approval from the National Guard Bureau, which includes satisfying National Environmental Policy Act (NEPA) requirements. The NJARNG is seeking a New Jersey Department of Environmental Protection (NJDEP) Coastal Area Facility Review Act (CAFRA) permit and Soil Erosion and Sediment Control permit approval from the Freehold Soil Conservation District. The New Jersey Department of Consumer

Affairs will also be conducting a review of the design documents, as well as performing construction inspection.

To mitigate any adverse effects on the buildings due to flooding, all of the replacement facilities have been located outside of the delineated 100-year floodplain. In addition, the finished floor elevation of each building is to be set a minimum of 18-inches above the Base Flood Elevation (BFE) of ten (10) feet which is associated with the 100-year floodplain located within the National Guard Training Center in Sea Girt. The NJARNG has considered the following alternatives to building the surface parking lots within the floodplain: 1) do not build the facilities, 2) build the facility on an alternate site. It has been determined that there are no other suitable locations at the NGTC. This facility will be constructed with 100% Federal funding and there are no funds available for the purchase of land. In addition, the NJARNG has determined that not building these facilities would greatly diminish the NJARNG's ability to properly train their soldiers for their assigned missions. This would result in NJARNG failing to meet current and future training requirements. As previously stated, all buildings will be located outside the 100-year floodplain with finished floor elevations set above the BFE, exceeding Executive Order 11988 and local jurisdictional requirements. The NJARNG has determined that this action will have no adverse effect on the floodplain and the construction of these facilities where currently planned is the preferred alternative.

Copies of the plans will be available from January 5, 2015 through February 5, 2015 and can be viewed at the following locations:

National Guard Training Center
Headquarters Building 7
100 Camp Drive
Sea Girt, NJ
Point of Contact:
Joe Landree, 732-974-5951

Construction and Facilities Maintenance Office (CFMO)
101 Eggerts Crossing Road
Lawrenceville, NJ
Point of Contact:
Linda Croteau, 609-530-7130
Debbie Soto, 609-530-7115

Public comments may be provided no later than February 12, 2015 to Linda Croteau, Chief of Construction Management at the above address/phone or via email at linda.croteau@dmava.nj.gov. Depending on comments received, a public meeting for discussion may be scheduled at the proposed site.

(\$304.30) (895) (12/25, 1/1, 1/8, 1/15, 1/22)
The Coast Star

NJARNG Notice / 20"
YES Affi 5x



December 2014



(THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK)



December 2014



APPENDIX G

Approved DD Form 1390/91's, dated 21 March 2013



December 2014





December 2014



Approved 1390/91

MED – Troop Dispensary/Health Clinic



December 2014



1. COMPONENT ARNG	FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 11 Dec 12 21 Mar 13 (Rev)																																
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. AREA CONSTR COST INDEX 1.2																																	
5. FREQUENCY AND TYPE UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month. Reservists 1 weekends/month																																				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG, Freehold, NJ, 15 MI, Readiness Center, 38000 SF, 1940 ARNG, Toms River, NJ, 13 MI, Readiness Center, 24000 SF, 1956 USN, Earle Naval Weapons Depot, NJ, 11 MI, Base, 43560000 SF, 1943 USN, Lakehurst NAES, NJ, 15 MI, Base, 99999999 SF, 1921																																				
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">CATEGORY CODE</th> <th rowspan="2">PROJECT TITLE</th> <th rowspan="2">SCOPE</th> <th rowspan="2">COST (\$000)</th> <th colspan="2">(DESIGN STATUS)</th> </tr> <tr> <th>START</th> <th>COMPLETE</th> </tr> </thead> <tbody> <tr> <td>55010</td> <td>TROOP DISPENSARY/HEALTH CLINIC</td> <td>9,864 SF 916 m2</td> <td>5,000</td> <td>01/01/13</td> <td>04/02/13</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	(DESIGN STATUS)		START	COMPLETE	55010	TROOP DISPENSARY/HEALTH CLINIC	9,864 SF 916 m2	5,000	01/01/13	04/02/13																	
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	(DESIGN STATUS)																																
				START	COMPLETE																															
55010	TROOP DISPENSARY/HEALTH CLINIC	9,864 SF 916 m2	5,000	01/01/13	04/02/13																															
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in item 6 have been examined by the <u>11 Dec 2012</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.																																				
9. LAND ACQUISITION REQUIRED None <u>0</u> (Number of Acres)																																				
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CATEGORY CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="4">None.</td> </tr> </tbody> </table> SRM BACKLOG (\$000): \$0						CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	None.																										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)																																	
None.																																				
11. PERSONNEL STRENGTH AS OF: 4 Feb 2013 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">PERMANENT</th> <th colspan="3">GUARD/RESERVE</th> </tr> <tr> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> </tr> </thead> <tbody> <tr> <td>AUTHORIZED</td> <td style="text-align: center;">6</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> <td style="text-align: center;">0</td> <td style="text-align: center;">70</td> <td style="text-align: center;">33</td> <td style="text-align: center;">37</td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">6</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> <td style="text-align: center;">0</td> <td style="text-align: center;">71</td> <td style="text-align: center;">27</td> <td style="text-align: center;">44</td> </tr> </tbody> </table> Percentage: 101%							PERMANENT				GUARD/RESERVE			TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED	AUTHORIZED	6	1	5	0	70	33	37	ACTUAL	6	1	5	0	71	27	44
	PERMANENT				GUARD/RESERVE																															
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED																													
AUTHORIZED	6	1	5	0	70	33	37																													
ACTUAL	6	1	5	0	71	27	44																													

1. COMPONENT ARNG	FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 11 Dec 12 21 Mar 13 (Rev)		
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. AREA CONSTR COST INDEX 1.2		
12. RESERVE UNIT DATA					
STRENGTH					
UIC	UNIT DESIGNATION	TPSN	MTOE/TDA	AUTHORIZED	ACTUAL
W8ZMAA	(DET MED DET)	56751	NGW8ZMAA	70	71
Totals				70	71
13. MAJOR EQUIPMENT AND AIRCRAFT					
TYPE					
			AUTHORIZED	ACTUAL	
Wheeled Vehicles			8	1	
Trailers			0	0	
Tracked Vehicles			0	0	
Equipment > 30 FT (includes HEMTT PLS Trailers)			0	0	
Fuel Truck			0	0	
HET			0	0	
Totals			8	1	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES					
				(\$000)	
Air Pollution				0	
Water Pollution				0	
Safety and Occupational Health				0	

1. COMPONENT ARNG		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 Dec 12 21 Mar 13 (Rev)	
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. PROJECT TITLE TROOP DISPENSARY/HEALTH CLINIC			
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 55010	7. PROJECT NUMBER 1642 340126		8. PROJECT COST (\$000) 5,000	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITIES:			-	-	3529	
Medical Clinic Area		SF	9,864	350.00	(3452)	
Sustainability / Energy Measures		LS	-	-	(77)	
SUPPORTING FACILITIES:			-	-	1070	
Rigid Pavement for MEP		SY	625	125.00	(78)	
Rigid Pavement for Operations		SY	664	125.00	(83)	
Flexible Paving		SY	1,410	60.00	(85)	
Security Fencing		LF	628	30.00	(19)	
Sidewalks		SY	120	50.00	(6)	
Exterior Security Lighting		LS	-	-	(30)	
Loading Dock		LS	-	-	(23)	
Detached Facility Sign		EA	1	5,000.00	(5)	
Exterior Fire Protection		LS	-	-	(32)	
Utilities: Gas		LS	-	-	(30)	
Utilities: Electric		LS	-	-	(30)	
Utilities: Water		LS	-	-	(30)	
Utilities: Waste Water/Sewer		LS	-	-	(30)	
Stormwater Drainage		LS	-	-	(60)	
Information Systems		LS	-	-	(208)	
Offset Demolition		LS	-	-	(175)	
Anti-Terrorism/Force Protection		LS	-	-	(29)	
Site Improvement		LS	-	-	(117)	
TOTAL CONSTRUCTION COST			-	-	4599	
Contingencies (5.0%)			-	-	(230)	
Supervision, Inspection and Overhead (3.0%)			-	-	(150)	
Commissioning (0.6%)			-	-	(21)	
TOTAL PROJECT COST			-	-	5000	
TOTAL PROJECT COST (ROUNDED)					5000	

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 Dec 12 21 Mar 13(Rev)												
3. INSTALLATION AND LOCATION SEA GIRT, NJ																
4. PROJECT TITLE TROOP DISPENSARY/HEALTH CLINIC			5. PROJECT NUMBER 1642 340126													
Equipment Funded Other Appr (Non-Add) (85)																
10. DESCRIPTION OF PROPOSED CONSTRUCTION <p>A specially designed Troop Dispensary/Health Clinic of permanent construction due to the impacts of Hurricane Sandy in late October 2012. This facility will be designed to meet all local, state, and federal building codes. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Access for individuals with disabilities will be provided. Antiterrorism Measures are to be included in accordance with the DoD Minimum Antiterrorism Standards for Buildings. This project will comply with the Army 1 SQ FT for 1 SQ FT disposition policy via demolition of the existing Troop Dispensary/Health Clinic. This project will include all supporting facilities as per block #9 on page 1 of this document.</p> <p>MISSION: Current A/C TONNAGE: 33</p>																
<table border="0"> <tr> <td>11. REQUIREMENT:</td> <td>9,864 SF</td> <td>Adequate:</td> <td>0 SF</td> <td>Substandard:</td> <td>0 SF</td> </tr> <tr> <td></td> <td>916 m2</td> <td></td> <td>0 m2</td> <td></td> <td>0 m2</td> </tr> </table>					11. REQUIREMENT:	9,864 SF	Adequate:	0 SF	Substandard:	0 SF		916 m2		0 m2		0 m2
11. REQUIREMENT:	9,864 SF	Adequate:	0 SF	Substandard:	0 SF											
	916 m2		0 m2		0 m2											
<p>1. PROJECT: To construct a 9,864 SQ FT Troop Dispensary/Health Clinic that provides both routine and emergency ambulatory services to military personnel, authorized civilian personnel, retired military personnel, and family members. This facility will be built on State land. (Current Mission).</p> <p>2. REQUIREMENT: This new Medical Clinic is required to house all elements of the MEDCOM Detachment (JFHQ) and Company C, 50th BSB. The new facility will provide Soldier readiness and deployment processing, to include all necessary administrative, medical and dental examination, waiting areas, lab, training, and storage areas required so that the medical units can achieve and maintain proficiency in their required tasks and utilized to support the SRP program for the NJARNG. No other adequate facilities are available on the Sea Girt NGTC to support these units and their mission. The new facility will replace existing structures that were severely damaged during Hurricane Sandy that have been determined to be not economically feasible to repair.</p>																

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13(Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE TROOP DISPENSARY/HEALTH CLINIC	5. PROJECT NUMBER 1642 340126	
<p>3. CURRENT SITUATION: Medical Building activities at Sea Girt NGTC were dispersed in Buildings 64, 65, and 73 and were severely damaged during Hurricane Sandy due to storm surge, saltwater infiltration, high winds and heavy rains and can no longer support the mission requirements of the assigned units. Comprehensive condition assessments were performed on these damaged buildings and it was determined that due to the associated repair costs, facility age, location within a flood plain, loss and damage to facility contents, and current code compliance requirements, these facilities should be replaced by this proposed project.</p> <p>4. IMPACT IF NOT PROVIDED: The ability of the assigned units to meet their training, readiness, recruiting, and retention goals will be severely hindered if the new facility is not constructed. Additionally, the most urgent requirement is not having an adequate facility to conduct pre-mobilization medical and dental screening requirements. This facility services the entire force structure of the NJARNG. Facilities at Fort Dix cannot meet the mission requirements.</p> <p>5. ADDITIONAL: Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 11988, and 11990 and other applicable laws and Executive Orders. This project complies with the scope and design criteria of National Guard Pamphlet 415-12 dated 01 June 2011. This facility is subject to flooding under certain conditions; however, the mission dictates that it is located as proposed. The facility will be designed and sited to minimize adverse effects on flood heights and damages to the structure or contents resulting from floods.</p> <p>6. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all required physical security measures are included.</p> <p>7. ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Only protective measures required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p>		

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

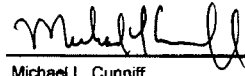
4. PROJECT TITLE TROOP DISPENSARY/HEALTH CLINIC	5. PROJECT NUMBER 1642 340126
--	-------------------------------------

8. ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

9. JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. The facility will not be available for use by other components.

13 May 2013

Date



Michael L. Cunniff
Brigadier General
The Adjutant General

AT/FP POC: COL Kevin Hagerty/(609) 530-7095

CFMO: LTC Michael Lyons/(609) 530-6968

12. SUPPLEMENTAL DATA
a. Estimated design data:
(1) Status:
(a) Date Design Started..... <u>JAN/2013</u>
(b) Percent Complete as of January 2012..... <u>10%</u>
(c) Date Design 35% Complete..... <u>APR/2013</u>
(d) Date Design Complete..... <u>JUL/2013</u>
(e) Parametric Cost Estimating Used to Develop Cost..... <u>No</u>
(f) Type of Design Contract..... <u>Design - Bid - Build</u>
(g) An energy study and life cycle cost analysis will be documented during final design
(2) Basis:
(a) Standard or Definitive Design..... <u>No</u>
(b) Where Design Was Most Recently Used..... <u>N/A</u>
(3) Total Cost (c)=(a)+(b) or (d)+(e):.....(\$000)
(a) Production of Plans and Specifications..... <u>278</u>
(b) All Other Design Costs..... <u>157</u>
(c) Total..... <u>435</u>
(d) Contract..... <u>435</u>
(e) In-house..... <u>0</u>
(4) Construction Award..... <u>AUG/2013</u>
(5) Construction Start..... <u>SEP/2013</u>
(6) Construction Completion..... <u>AUG/2014</u>

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE TROOP DISPENSARY/HEALTH CLINIC	5. PROJECT NUMBER 1642 340126
--	-------------------------------------

12. SUPPLEMENTAL DATA (CONT)			
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2014	60
ISCE Equipment	OPA	2014	8
ISCE G6 Proponent	OMNG	2014	17
Total:			85
Point of Contact: CFMO NJ, 609-530-6998			

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
-----------------------------	---	--

3. INSTALLATION AND LOCATION
 SEA GIRT, NJ

4. PROJECT TITLE TROOP DISPENSARY/HEALTH CLINIC	5. PROJECT NUMBER 1642 340126
---	--

Detailed Requirement Statements

1. GENERAL: Each year, each of the more than 6000 Soldiers assigned to the New Jersey Army National Guard are required to undergo SRP health evaluation. In addition the NJNG Training Center needs a medical facility to address minor injuries sustained by Soldiers and support staff while engaged in training or activities that permit training to be conducted. The loss of the troop dispensary and health clinic at Sea Girt, due to the direct and indirect affects of Hurricane Sandy has prevented those missions from being performed.
2. DATA ON ACCOMMODATIONS NOW IN USE: Since the medical facility that had existed at the NJNG Training Center at Sea Girt, NJ was destroyed by Hurricane Sandy, there are no accommodations now in use.
3. ANALYSIS OF DEFICIENCY: The absence of a troop dispensary and health clinic at the Sea Girt NJNG Training Center has led to the reassignment of the medical personnel who were stationed at that facility. Thus, any Soldiers who might still be training there, as well as the full time support staff, are left without a facility to afford them with medical aid in the event of injury and the personnel trained to address such injuries, should they occur. The nearest civilian medical treatment facility is over 15 miles away. In addition, the annual health evaluation conducted for each Soldier of the ARNG under the Soldier Readiness Processing (SRP) program has been suspended indefinitely because of the lack of proper facilities in which to perform the various stages of the SRP.
4. ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS: There are no other facilities available to adequately house these units in the local area. All ARNG facilities in the area have been surveyed and none can be expanded to meet this requirement.
5. ANALYSIS OF CRITERIA AND EXCEPTIONS FOR NEW CONSTRUCTION: The size and capacity is in accordance with NG Pam 415-12, dated 1 June 2011. The workload has been adequately defined. A standard design is being used for this project.
6. STATEMENT OF PROGRAM RELATED EQUIPMENT: Medical equipment, Furniture, ESS, and ISC (Data & Telcom) will be requested in Fiscal Year 14.
7. DISPOSITION OF PRESENT ACCOMMODATIONS: The structures that composed the Troop Dispensary and Health Clinic that was destroyed by Hurricane Sandy will be demolished.

Site	Cat			Cost
Code	FACNO	Code	Title	SF Disposition (\$000)

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE TROOP DISPENSARY/HEALTH CLINIC	5. PROJECT NUMBER 1642 340126
--	-------------------------------------

Site Code	Cat Code	Title	SF Disposition	Cost (\$000)
34A90		Damaged Clinic	9864 Demo	175

8. SURVIVAL MEASURES: There are no survival measures required for this facility in addition to the Antiterrorism/Force Protection requirements addressed in the cost estimate for this project.
9. CONTRIBUTIONS TO READINESS: a. How will readiness be enhanced by construction of this project? In addition to providing basic medical aid to the Soldiers assigned to or undergoing training at the NJ National Guard Training Center, this facility will be used to annually conduct SRP reviews for the 6000 plus Soldiers assigned to the NJARNG. Both of these functions help to ensure the health of Soldiers; thereby assuring Soldier readiness.
- b. How will readiness be impaired by deferring this project to a future program year? The deferral of this project will cause the continuance of the current situation. The destruction of Hurricane Sandy has left the NJNG Training Center with no central facility for the immediate treatment of minor injuries and a proper location for the conduct of SPR reviews. Without action to immediately replace the lost medical facility Soldier readiness will deteriorate.
- c. Why does this project contribute more than another project? Soldier health is critical to training and readiness. This project will ensure that each Soldier of the NJARNG receives a thorough health screening each year and that emergency medical facilities and personnel are in place on a daily basis to treat minor injuries.
10. CLEAN AIR ACT: This project will comply with air permitting and other procedural requirements mandated by State and Federal agencies.
11. PROTECTION OF WETLANDS: This project has been evaluated for compliance with Executive Order 11990 (as amended by Executive Order 12608) and is not sited in a wetland.
12. TELECOMMUNICATIONS: All telecommunications have been planned as per ISCE program/documentation and have been uploaded to Tab F of the DD1391 Processor (PAX).
13. ECONOMIC ANALYSIS: Documentation for an Economic Analysis conducted using ECONPAC software has been uploaded into TAB-D in PAX.
14. ANTITERRORISM/FORCE PROTECTION: a) A risk analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13(Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE TROOP DISPENSARY/HEALTH CLINIC	5. PROJECT NUMBER 1642 340126	
<p>AT/FP plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively.</p> <p>b) A threat analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation physical security plan.</p> <p>c) The building design is to comply with standard design requirements per UFC 4-010-01 for Antiterrorism/Force Protection measures. All required physical security and antiterrorism/force protection measures are included.</p> <p>d) This project is to be constructed within a Controlled Perimeter.</p> <p>e) This project meets conventional standoff as per UFC 4-010-01.</p> <p>f) This project will be less than three stories of construction.</p>		



December 2014



Approved 1390/91

GIB – General Instruction Building



December 2014



1. COMPONENT ARNG		FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 11 Dec 12 21 Mar 13 (Rev)																																
3. INSTALLATION AND LOCATION SEA GIRT, NJ				4. AREA CONSTR COST INDEX 1.2																																	
5. FREQUENCY AND TYPE UTILIZATION Billeting for Reserve Component and Full-time soldiers 7 nights per week. Reservists 1 weekends/month																																					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG, Freehold, NJ, 15 MI, Readiness Center, 38000 SF, 1940 ARNG, Toms River, NJ, 13 MI, Readiness Center, 24000 SF, 1956 USN, Earle Naval Weapons Depot, NJ, 11 MI, Base, 43560000 SF, 1943 USN, Lakehurst NAES, NJ, 15 MI, Base, 99999999 SF, 1921																																					
7. PROJECTS REQUESTED IN THIS PROGRAM																																					
<table border="1"> <thead> <tr> <th rowspan="2">CATEGORY CODE</th> <th rowspan="2">PROJECT TITLE</th> <th rowspan="2">SCOPE</th> <th rowspan="2">COST (\$000)</th> <th colspan="2">(DESIGN STATUS)</th> </tr> <tr> <th>START</th> <th>COMPLETE</th> </tr> </thead> <tbody> <tr> <td>17120</td> <td>GENERAL INSTRUCTION BUILDING</td> <td>11,492 SF 1,068 m2</td> <td>5,200</td> <td>01/01/13</td> <td>01/07/13</td> </tr> </tbody> </table>							CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	(DESIGN STATUS)		START	COMPLETE	17120	GENERAL INSTRUCTION BUILDING	11,492 SF 1,068 m2	5,200	01/01/13	01/07/13																	
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	(DESIGN STATUS)																																	
				START	COMPLETE																																
17120	GENERAL INSTRUCTION BUILDING	11,492 SF 1,068 m2	5,200	01/01/13	01/07/13																																
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in item 6 have been examined by the <u>11 Dec 2012</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.																																					
9. LAND ACQUISITION REQUIRED None <u>0</u> (Number of Acres)																																					
10. PROJECTS PLANNED IN NEXT FOUR YEARS																																					
<table border="1"> <thead> <tr> <th>CATEGORY CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="4">None.</td> </tr> </tbody> </table>							CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	None.																										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)																																		
None.																																					
SRM BACKLOG (\$000): \$0																																					
11. PERSONNEL STRENGTH AS OF: 4 Feb 2013																																					
<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">PERMANENT</th> <th colspan="3">GUARD/RESERVE</th> </tr> <tr> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> </tr> </thead> <tbody> <tr> <td>AUTHORIZED</td> <td>17</td> <td>3</td> <td>6</td> <td>8</td> <td>62</td> <td>11</td> <td>51</td> </tr> <tr> <td>ACTUAL</td> <td>17</td> <td>3</td> <td>6</td> <td>8</td> <td>44</td> <td>8</td> <td>36</td> </tr> </tbody> </table> <p style="text-align: right;">Percentage: 71%</p>								PERMANENT				GUARD/RESERVE			TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED	AUTHORIZED	17	3	6	8	62	11	51	ACTUAL	17	3	6	8	44	8	36
	PERMANENT				GUARD/RESERVE																																
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED																														
AUTHORIZED	17	3	6	8	62	11	51																														
ACTUAL	17	3	6	8	44	8	36																														
12. RESERVE UNIT DATA																																					
<table border="1"> <thead> <tr> <th rowspan="2">UIC</th> <th rowspan="2">UNIT DESIGNATION</th> <th rowspan="2">TPSN</th> <th rowspan="2">MTOE/TDA</th> <th colspan="2">STRENGTH</th> </tr> <tr> <th>AUTHORIZED</th> <th>ACTUAL</th> </tr> </thead> <tbody> <tr> <td colspan="6"> </td> </tr> </tbody> </table>							UIC	UNIT DESIGNATION	TPSN	MTOE/TDA	STRENGTH		AUTHORIZED	ACTUAL																							
UIC	UNIT DESIGNATION	TPSN	MTOE/TDA	STRENGTH																																	
				AUTHORIZED	ACTUAL																																

1. COMPONENT ARNG	FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 11 Dec 12 21 Mar 13 (Rev)	
3. INSTALLATION AND LOCATION SEA GIRT, NJ					4. AREA CONSTR COST INDEX 1.2	
W8FHA1	1/254 AR (HQ NE CBT ARMS TNG BD)	8T400	NGW8FHAA	26	14	
W8FHA2	2/254 (GS) (HQ NE CBT ARMS TNG BD)	8T400	NGW8FHAA	2	2	
W8FHAA	(HQ NE CBT ARMS TNG BD)	8T400	NGW8FHAA	34	28	
Totals				62	44	
13. MAJOR EQUIPMENT AND AIRCRAFT						
TYPE		AUTHORIZED		ACTUAL		
Wheeled Vehicles		12		12		
Trailers		12		12		
Tracked Vehicles		0		0		
Equipment > 30 FT (includes HEMTT PLS Trailers)		0		0		
Fuel Truck		0		0		
HET		0		0		
Totals		24		24		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES						
				(\$000)		
Air Pollution				0		
Water Pollution				0		
Safety and Occupational Health				0		

1. COMPONENT ARNG		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 11 Dec 12 21 Mar 13 (Rev)	
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. PROJECT TITLE GENERAL INSTRUCTION BUILDING		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17120	7. PROJECT NUMBER 1644 340128		8. PROJECT COST (\$000) 5,200
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES:			-	-	3721
Educational Facility		SF	11,492	317.40	(3648)
Sustainability / Energy Measures		LS	-	-	(73)
SUPPORTING FACILITIES:			-	-	1067
Rigid Pavement for MEP		SY	200	125.00	(25)
Flexible Paving		SY	2,505	60.00	(150)
Security Fencing		LF	100	30.00	(3)
Sidewalks		SY	1,200	50.00	(60)
Exterior Security Lighting		LS	-	-	(38)
Detached Facility Sign		EA	1	5,000.00	(5)
Exterior Fire Protection		LS	-	-	(36)
Utilities: Gas		LS	-	-	(38)
Utilities: Electric		LS	-	-	(38)
Utilities: Water		LS	-	-	(38)
Utilities: Waste Water/Sewer		LS	-	-	(38)
Stormwater Drainage		LS	-	-	(80)
Information Systems		LS	-	-	(197)
Demolition		LS	-	-	(175)
Anti-Terrorism/Force Protection		LS	-	-	(34)
Site Improvement		LS	-	-	(112)
TOTAL CONSTRUCTION COST			-	-	4788
Contingencies (5.0%)			-	-	(239)
Supervision, Inspection and Overhead (3.			-	-	(151)
Commissioning (0.6%)			-	-	(22)
TOTAL PROJECT COST			-	-	5200
TOTAL PROJECT COST (ROUNDED)					5200
Equipment Funded Other Appr (Non-Add)					(477)

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION

SEA GIRT, NJ

4. PROJECT TITLE GENERAL INSTRUCTION BUILDING	5. PROJECT NUMBER 1644 340128
--	-------------------------------------

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed General Instruction Building of permanent construction due to the impacts of Hurricane Sandy in late October 2012. This facility will be designed to meet all local, state, and federal building codes. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Access for individuals with disabilities will be provided. Antiterrorism Measures are to be included in accordance with the DoD Minimum Antiterrorism Standards for Buildings. This project will comply with the Army 1 SQ FT for 1 SQ FT disposal policy through the demolition of the existing and extensively damaged General Instruction Building. This project will include all supporting facilities as per block #9, page 1, of this document.

MISSION: Current A/C TONNAGE: 39

11. REQUIREMENT:	11,492 SF 1,068 m2	Adequate:	0 SF 0 m2	Substandard:	0 SF 0 m2
------------------	-----------------------	-----------	--------------	--------------	--------------

1. PROJECT: To construct a 11,492 SQ FT General Instruction Building that includes primarily classroom space for multipurpose training and instruction typically conducted by a school. This facility will be built on State land. (Current Mission).
2. REQUIREMENT: This new General Instruction Building is required to conduct some of the education requirements inherent to the mission of the 254 Training Regiment. The new facility will provide necessary administrative, storage, and instructional space for the RTI on weekdays (Monday through Friday) and on weekends as required. No other adequate facilities are available on the Sea Girt NGTC to replace this facility and its mission. The new facility will replace the existing RTI Building No. 56, which was extensively damaged by Hurricane Sandy and determined to be not economically feasible to repair.
3. CURRENT SITUATION: Several Sea Girt NGTC General Instruction Buildings were extensively damaged during Hurricane Sandy due to storm surge, saltwater infiltration, high winds and heavy rains and

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION

SEA GIRT, NJ

4. PROJECT TITLE
GENERAL INSTRUCTION BUILDING

5. PROJECT NUMBER
1644
340128

can no longer support the mission requirements of a General Instruction Building and Physical Fitness Center for the RTI. Comprehensive damage condition assessments were performed on these buildings and it was determined that due to the associated repair costs, facility age, location within a flood plain, loss and damage to facility contents, and current code compliance requirements, these facilities are not economical to repair and should be replaced.

4. IMPACT IF NOT PROVIDED: The ability of the organization, units and personnel assigned to these facilities will be severely degraded and impacted in their ability to perform their individually assigned missions if a new facility is not constructed. Additionally, not having an adequate facility will continue to have a significant adverse and negative impact on troop morale, unit readiness, training, the readiness of the NJARNG overall, and the students programmed to attend courses conducted by the RTI at Sea Girt.

5. ADDITIONAL: Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 11988, and 11990 and other applicable laws and Executive Orders. This project complies with the scope and design criteria of National Guard Pamphlet 415-12 dated 01 June 2011. This facility is subject to flooding under certain conditions; however, the mission dictates that it is located as proposed. The facility will be designed and sited to minimize adverse effects on flood heights and damages to the structure or contents resulting from floods.

6. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all required physical security measures are included.

7. ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Only protective measures required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

8. ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

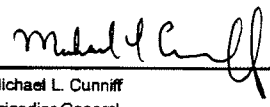
4. PROJECT TITLE GENERAL INSTRUCTION BUILDING	5. PROJECT NUMBER 1644 340128
--	-------------------------------------

only feasible option to meet the requirement.

9. JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. The facility will not be available for use by other components.

13 MAY 2013

Date



Michael L. Cunruff
Brigadier General
The Adjutant General

AT/FP POC: COL Kevin Hagerly/(609) 530-7095

CFMO: LTC Michael Lyons/(609) 530-6988

<p>12. SUPPLEMENTAL DATA</p> <p>a. Estimated design data:</p> <p>(1) Status:</p> <p>(a) Date Design Started.....<u>Jan/2013</u></p> <p>(b) Percent Complete as of January 2012.....<u>10%</u></p> <p>(c) Date Design 35% Complete.....<u>Apr/2013</u></p> <p>(d) Date Design Complete.....<u>Jul/2013</u></p> <p>(e) Parametric Cost Estimating Used to Develop Cost.....<u>No</u></p> <p>(f) Type of Design Contract.....<u>Design - Bid - Build</u></p> <p>(g) An energy study and life cycle cost analysis will be documented during final design</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design.....<u>No</u></p> <p>(b) Where Design Was Most Recently Used.....<u>N/A</u></p> <p>(3) Total Cost (c)=(a)+(b) or (d)+(e):.....(\$000)</p> <p>(a) Production of Plans and Specifications.....<u>287</u></p> <p>(b) All Other Design Costs.....<u>163</u></p> <p>(c) Total.....<u>450</u></p> <p>(d) Contract.....<u>450</u></p> <p>(e) In-house.....<u>0</u></p> <p>(4) Construction Award.....<u>Aug/2013</u></p> <p>(5) Construction Start.....<u>Sep/2013</u></p> <p>(6) Construction Completion.....<u>Aug/2014</u></p>
--

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE GENERAL INSTRUCTION BUILDING	5. PROJECT NUMBER 1644 340128
--	-------------------------------------

12. SUPPLEMENTAL DATA (CONT)			
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
ISCE Equipment	OPA	2014	8
ISCE G6 Proponent	OMNG	2014	39
F F & E	OMNG	2014	186
Physical Fitness	OMNG	2014	33
ESS (171E)	OPA	2014	211
Total:			477
Point of Contact: CFMO NJ, 609-530-6968			

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE GENERAL INSTRUCTION BUILDING	5. PROJECT NUMBER 1644 340128
--	-------------------------------------

Detailed Requirement Statements

1. GENERAL: The Regional Training Institute provides MOS and Leadership training to Soldiers so that they may maintain and improve their individual military skills and, by so doing, enhance the readiness of their units and the Army National Guard. The loss of this building, due to the direct and indirect affects of Hurricane Sandy, has diminished the ability of the RTI to carry out its mission. That mission degradation will continue until the functions of this structure can be replaced.
2. DATA ON ACCOMMODATIONS NOW IN USE: The structure which this project is intended to replace was destroyed by Hurricane Sandy. As a result, there are no accommodations now in use.
3. ANALYSIS OF DEFICIENCY: The destruction caused to Building 56 at the Sea Girt NJNG Training Center by Hurricane Sandy has left the RTI with less training space in which to conduct formalized classroom training and various training support activities. Due to the extent of the damage throughout the NJNG Training Center, the functions previously performed in this structure can not be replicated within other structures. As a result, the RTI will be forced to operate at a level less than optimum until such time as this structure can be replaced.
4. ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS: There are no other facilities available to adequately house these units in the [local] area. All ARNG facilities in the area have been surveyed and none can be expanded to meet this requirement.
5. ANALYSIS OF CRITERIA AND EXCEPTIONS FOR NEW CONSTRUCTION: The size and capacity is in accordance with NG Pam 415-12, dated 1 June 2011. The workload has been adequately defined. A standard design is being used for this project.
6. STATEMENT OF PROGRAM RELATED EQUIPMENT: Kitchen equipment, Furniture, Physical Fitness Equipment, ESS (CIDS) AA&E Storage, ESS, and ISC (Data & Telcom) will be requested in [Fiscal Year].
7. DISPOSITION OF PRESENT ACCOMMODATIONS: The degree to which Building 56 was damaged caused by Hurricane Sandy requires that the entire structure be demolished.

Site Code	Cat FACNO	Title	SF	Disposition	Cost (\$000)
34B90		Damaged RTI	11492	Demo	175

8. SURVIVAL MEASURES: There are no survival measures required for this

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE GENERAL INSTRUCTION BUILDING	5. PROJECT NUMBER 1644 340128	
<p>facility in addition to the Antiterrorism/Force Protection requirements addressed in the cost estimate for this project.</p> <p>9. CONTRIBUTIONS TO READINESS: a. How will readiness be enhanced by construction of this project? This project will replace a General Instruction Building destroyed by Hurricane Sandy, Without this structure, the 254 Training Regiment is constrained in its ability to perform its mission of providing Soldiers with MOS and Leadership skills training, which then degrades readiness</p> <p>b. How will readiness be impaired by deferring this project to a future program year? The diminished capability of the 254 Training Regiment to conduct classes at the Regional Training Institute will continue for as long as it takes to replace the destroyed structure.</p> <p>c. Why does this project contribute more than another project? The ability for Soldiers of the Reserve Component to obtain initial and remedial skills training at a the Regional Training Institute is an essential element of readiness. This project will restore the capacity of the RTI to perform its mission to the level that existed prior to Hurricane Sandy and.</p> <p>10. CLEAN AIR ACT: This project will comply with air permitting and other procedural requirements mandated by State and Federal agencies.</p> <p>11. PROTECTION OF WETLANDS: This project has been evaluated for compliance with Executive Order 11990 (as amended by Executive Order 12608) and is not sited in a wetland.</p> <p>12. TELECOMMUNICATIONS: All telecommunications have been planned as per ISCE program/documentation and have been uploaded to Tab F of the DD1391 Processor (PAX).</p> <p>13. ECONOMIC ANALYSIS: Documentation for an Economic Analysis conducted using ECONPAC software has been uploaded into TAB-D in PAX.</p> <p>14. ANTITERRORISM/FORCE PROTECTION: a) A risk analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation AT/FP plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. b) A threat analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation physical security plan. c) The building design is to comply with standard design requirements per UFC 4-010-01 for Antiterrorism/Force Protection measures. All</p>		

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE GENERAL INSTRUCTION BUILDING	5. PROJECT NUMBER 1644 340128	
<p>required physical security and antiterrorism/force protection measures are included.</p> <p>d) This project is to be constructed within a Controlled Perimeter.</p> <p>e) This project meets conventional standoff as per UFC 4-010-01.</p> <p>f) This project will be less than three stories of construction.</p>		



December 2014



Approved 1390/91

EHMS – Engineering/Housing Maintenance Shop



December 2014



1. COMPONENT ARNG		FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 11 Dec 12 21 Mar 13 (Rev)		
3. INSTALLATION AND LOCATION SEA GIRT, NJ					4. AREA CONSTR COST INDEX 1.2		
5. FREQUENCY AND TYPE UTILIZATION Maintenance operations full time 5 days/week and 1 weekend/month for IDT Units. Reservists 1 weekends/month							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG, Freehold, NJ, 15 MI, Readiness Center, 38000 SF, 1940 ARNG, Toms River, NJ, 13 MI, Readiness Center, 24000 SF, 1956 USN, Earle Naval Weapons Depot, NJ, 11 MI, Base, 43560000 SF, 1943 USN, Lakehurst NAES, NJ, 15 MI, Base, 99999999 SF, 1921							
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY CODE		PROJECT TITLE		SCOPE	COST (\$000)	(DESIGN STATUS) START COMPLETE	
21910		ENGINEERING/HOUSING MAINTENANCE SHOP		10,301 SF 957 m2	3,750	01/01/13 01/07/13	
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in item 6 have been examined by the <u>11 Dec 2012</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.							
9. LAND ACQUISITION REQUIRED None <u>0</u> (Number of Acres)							
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY CODE		PROJECT TITLE		SCOPE	COST (\$000)		
None.							
SRM BACKLOG (\$000): \$0							
11. PERSONNEL STRENGTH AS OF: 4 Feb 2013							
	PERMANENT			GUARD/RESERVE			
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	0	0	0	0	6	2	4
ACTUAL	0	0	0	0	4	1	3
Percentage: 67%							
12. RESERVE UNIT DATA							
					STRENGTH		
UIC	UNIT DESIGNATION	TPSN	MTOE/TDA	AUTHORIZED	ACTUAL		

1. COMPONENT ARNG	FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		4. AREA CONSTR COST INDEX 1.2	
W92BAA (CTR TRAINING CENTER N)		3	0
W77826 SEA GIRT (DET ARNG TRAINING SIT)	56751 NGW778AA	3	4
Totals		6	4
13. MAJOR EQUIPMENT AND AIRCRAFT			
TYPE	AUTHORIZED	ACTUAL	
Wheeled Vehicles	0	0	
Trailers	0	0	
Tracked Vehicles	0	0	
Equipment > 30 FT (includes HEMTT PLS Trailers)	0	0	
Fuel Truck	0	0	
HET	0	0	
Totals		0	0
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES			
(\$000)			
Air Pollution	0		
Water Pollution	0		
Safety and Occupational Health	0		

1. COMPONENT ARNG		FY 2013 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 11 Dec 12 21 Mar 13 (Rev)	
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. PROJECT TITLE ENGINEERING/HOUSING MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21910	7. PROJECT NUMBER 1643 340127		8. PROJECT COST (\$000) 3,750
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES:					2469
Public Works		SF	10,301	234.30	(2414)
Sustainability / Energy Measures		LS	-	-	(55)
SUPPORTING FACILITIES:					984
Security Fencing		LF	580	30.00	(17)
Exterior Security Lighting		LS	-	-	(27)
Anti-Terrorism/Force Protection		LS	-	-	(16)
Utilities: Electric		LS	-	-	(27)
Information Systems		LS	-	-	(195)
Loading Dock		LS	-	-	(30)
Detached Facility Sign		EA	1	5,000.00	(5)
Exterior Fire Protection		LS	-	-	(27)
Offset Demolition		LS	-	-	(150)
Rigid Pavement for Operations		SY	989	125.32	(124)
Flexible Paving		SY	2,325	60.19	(140)
Sidewalks		SY	58	50.00	(3)
Site Improvement		LS	-	-	(84)
Stormwater Drainage		LS	-	-	(58)
Utilities: Gas		LS	-	-	(27)
Utilities: Water		LS	-	-	(27)
Utilities: Waste Water/Sewer		LS	-	-	(27)
TOTAL CONSTRUCTION COST					3453
Contingencies (5.0%)					(173)
Supervision, Inspection and Overhead (3.)					(109)
Commissioning (0.6%)					(15)
TOTAL PROJECT COST					3750
TOTAL PROJECT COST (ROUNDED)					3750
Equipment Funded Other Appr (Non-Add)					(83)

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13(Rev)
-----------------------------	---	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ

4. PROJECT TITLE ENGINEERING/HOUSING MAINTENANCE SHOP	5. PROJECT NUMBER 1643 340127
---	--

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed Engineering/Housing Maintenance Shop of permanent construction is necessary due to the impacts of Hurricane Sandy in late October 2012. This facility will be designed to meet all local, state, and federal building codes. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. The facility will be designed for a minimum life of 50 years and incorporate energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Access for individuals with disabilities will be provided. Antiterrorism Measures are to be included in accordance with the DoD Minimum Antiterrorism Standard for Buildings. This project will comply with the Army 1 SQ FT for 1 SQ FT disposal policy through the disposal of the existing Engineering/Housing Maintenance Shop. This project will include all supporting facilities as per block #9 on page 1, of this document.

MISSION: Current A/C TONNAGE: 35

11. REQUIREMENT:	10,301 SF 957 m2	Adequate:	0 SF 0 m2	Substandard:	0 SF 0 m2
-------------------------	---------------------	------------------	--------------	---------------------	--------------

1. **PROJECT:** To construct a 10,301 SQ FT Engineering/Housing Maintenance Shop that will be operated by the NJ National Guard Training Site DPW; to provide for the maintenance and repair of buildings, roads, grounds, and utility systems on the training site. This facility will be built on State land. (Current Mission).

2. **REQUIREMENT:** This new Engineering Maintenance Facility is required to perform regular sustainment, restoration and modernization (SRM), routine and emergency repairs and respond to work orders associated with the normal operations of the National Guard Training Center at Sea Girt. The new facility will provide the necessary administrative, storage, engineering and maintenance areas required by the NGTC to operate daily (Monday through Friday) and on weekends, as required. No other adequate facilities are available at the Sea Girt NGTC to support this facility and its mission. The new facility will replace the existing Building No. 59, which was damaged extensively during Hurricane Sandy and determined to be not economically feasible to repair.

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE ENGINEERING/HOUSING MAINTENANCE SHOP	5. PROJECT NUMBER 1643 340127	
<p>3. CURRENT SITUATION: Buildings on the NJ National Guard Training Center was extensively damaged during Hurricane Sandy due to storm surge, saltwater infiltration, high winds and heavy rains. It can no longer support the mission requirements of an Engineering and Maintenance facility at the NGTC at Sea Girt. Comprehensive condition assessments were performed on this damaged building and it was determined that due to the associated repair costs, facility age, location within a flood plain, loss and damage to facility contents, and current code compliance requirements, this facility was not economical to repair and should be replaced.</p> <p>4. IMPACT IF NOT PROVIDED: The ability of the organization and personnel assigned to this facility will be severely degraded and impacted in their ability to perform its assigned mission if a new facility is not constructed. Additionally, not having an adequate facility will have a significant adverse and negative impact on troop morale, unit readiness and the readiness of the NJARNG overall, as well as training. The absence of this facility will also impact the ability of the various tenants, Soldiers and Staff assigned to the NGTC and who utilize this Training Center.</p> <p>5. ADDITIONAL: Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 11988, and 11990 and other applicable laws and Executive Orders. This project complies with the scope and design criteria of National Guard Pamphlet 415-12 dated 01 June 2011. This facility is subject to flooding under certain conditions; however, the mission dictates that it is located as proposed. The facility will be designed and sited to minimize adverse effects on flood heights and damages to the structure or contents resulting from floods.</p> <p>6. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all required physical security measures are included.</p> <p>7. ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Only protective measures required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings)</p>		

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec. 12 21 Mar 13 (Rev)
----------------------	--	--

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE ENGINEERING/HOUSING MAINTENANCE SHOP	5. PROJECT NUMBER 1643 340127
--	-------------------------------------

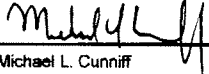
are needed. These requirements are included in the description of construction and cost estimate.

8. ECONOMIC ANALYSIS: An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement.

9. JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. The facility will not be available for use by other components.

13 MAY 2013

Date


 Michael L. Cunniff
 Brigadier General
 The Adjutant General

AT/FP POC: COL Kevin Hagerty/(609) 530-7095

CFMO: LTC Michael Lyons/(609) 530-6968

12. SUPPLEMENTAL DATA a. Estimated design data: (1) Status: (a) Date Design Started..... <u>Jan/2013</u> (b) Percent Complete as of January 2012..... <u>10%</u> (c) Date Design 35% Complete..... <u>Apr/2013</u> (d) Date Design Complete..... <u>Jul/2013</u> (e) Parametric Cost Estimating Used to Develop Cost..... <u>No</u> (f) Type of Design Contract..... <u>Design - Bid - Build</u> (g) An energy study and life cycle cost analysis will be documented during final design (2) Basis: (a) Standard or Definitive Design..... <u>No</u> (b) Where Design Was Most Recently Used..... <u>N/A</u> (3) Total Cost (c)=(a)+(b) or (d)+(e):.....(\$000) (a) Production of Plans and Specifications..... <u>208</u> (b) All Other Design Costs..... <u>118</u> (c) Total..... <u>326</u> (d) Contract..... <u>326</u> (e) In-house..... <u>0</u> (4) Construction Award..... <u>Aug/2013</u> (5) Construction Start..... <u>Sep/2013</u>

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13(Rev)
----------------------	---	--

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE ENGINEERING/HOUSING MAINTENANCE SHOP	5. PROJECT NUMBER 1643 340127
--	-------------------------------------

12. SUPPLEMENTAL DATA (CONT)			
(6) Construction Completion..... <u>Aug/2014</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	2014	60
ISCE Equipment	OPA	2014	6
ISCE G6 Proponent	OMNG	2014	17
Total:			<u>83</u>
Point of Contact: CFMO NJ, 609-530-6968			

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13(Rev)
-----------------------------	---	---

3. INSTALLATION AND LOCATION
 SEA GIRT, NJ

4. PROJECT TITLE ENGINEERING/HOUSING MAINTENANCE SHOP	5. PROJECT NUMBER 1643 340127
---	--

Detailed Requirement Statements

1. **GENERAL:** The Engineering and Housing Maintenance Shop located in Buildings on the NJ National Guard Training Center was extensively damaged during Hurricane Sandy as a result of storm surge, salt water infiltration, high winds and heavy rains. As a result, it can no longer support the operations of an Engineering and Maintenance facility for the NGTC at Sea Girt, NJ. Thus, because of loss of this structure and most of the equipment located within it, standard engineering maintenance activities cannot be performed and, due to the level of damage sustained throughout the Training Center, no other structures can be utilized to support this function.
2. **DATA ON ACCOMMODATIONS NOW IN USE:** Because of the destruction of the primary facility and the absence of any replacement structure where this mission can be performed, there are no accommodations that are now in use.
3. **ANALYSIS OF DEFICIENCY:** Due to the absence of an Engineering and Housing Maintenance Shop at the NJ National Guard Training Center, and the absence of facilities that might be utilized as a make-shift substitute, the ability of the Training Center staff to respond to both routine maintenance requirements, along with those imposed as the result of Hurricane Sandy, is non-existent. Thus, all but the most basic maintenance activities must be postponed until it can be either addressed by an outside contractor or until a new maintenance shop can be constructed.
4. **ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS:** There are no other facilities available to adequately house these units in the [local] area. All ARNG facilities in the area have been surveyed and none can be expanded to meet this requirement.
5. **ANALYSIS OF CRITERIA AND EXCEPTIONS FOR NEW CONSTRUCTION:** The size and capacity is in accordance with NG Pam 415-12, dated 1 June 2011. The workload has been adequately defined. A standard design is being used for this project.
6. **STATEMENT OF PROGRAM RELATED EQUIPMENT:** Kitchen equipment, Furniture, Physical Fitness Equipment, ESS (CIDS) AA&E Storage, ESS, and ISC (Data & Telcom) will be requested in [Fiscal Year].
7. **DISPOSITION OF PRESENT ACCOMMODATIONS:** The degree of damage to this facility as a result of the storm surge, salt water infiltration, high winds, and heavy rains associated with Hurricane Sandy, the cost associated with rehabilitating the structure will be prohibitive. Thus, it will be demolished.

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION

SEA GIRT, NJ

4. PROJECT TITLE ENGINEERING/HOUSING MAINTENANCE SHOP	5. PROJECT NUMBER 1643 340127
--	-------------------------------------

Site Code	Cat Code	Title	SF Disposition	Cost (\$000)
34A90		Damaged DPW	10301 Demo	150
<p>8. SURVIVAL MEASURES: There are no survival measures required for this facility in addition to the Antiterrorism/Force Protection requirements addressed in the cost estimate for this project.</p>				
<p>9. CONTRIBUTIONS TO READINESS: a. How will readiness be enhanced by construction of this project? This project will restore the Engineering/Housing Maintenance mission capability that was destroyed by Hurricane Sandy. A well maintained Training Center is conducive to troop morale and has a positive impact on readiness.</p>				
<p>b. How will readiness be impaired by deferring this project to a future program year? Due to the absence of an Engineering/Housing Maintenance Shop, there is little maintenance being performed on the various structures on the NJARNG Training Center. The prolonged deferral of maintenance will lead to system failures that will prevent the Training Center from supporting the missions of the units stationed there, will negatively impact unit and individual morale.</p>				
<p>c. Why does this project contribute more than another project? The ability of the support staff at the NJ National Guard Training Center has been totally eliminated due to this shop being destroyed by Hurricane Sandy. Its replacement is critical to the continued operation of the NJ National Guard Training Center.</p>				
<p>10. CLEAN AIR ACT: This project will comply with air permitting and other procedural requirements mandated by State and Federal agencies.</p>				
<p>11. PROTECTION OF WETLANDS: This project has been evaluated for compliance with Executive Order 11990 (as amended by Executive Order 12608) and is not sited in a wetland.</p>				
<p>12. TELECOMMUNICATIONS: All telecommunications have been planned as per ISCE program/documentation and have been uploaded to Tab F of the DD1391 Processor (PAX).</p>				
<p>13. ECONOMIC ANALYSIS: Documentation for an Economic Analysis conducted using ECONPAC software has been uploaded into TAB-D in PAX.</p>				
<p>14. ANTITERRORISM/FORCE PROTECTION: a) A risk analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation AT/FP plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively].</p>				

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE ENGINEERING/HOUSING MAINTENANCE SHOP		5. PROJECT NUMBER 1643 340127
<p>b) A threat analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation physical security plan].</p> <p>c) The building design is to comply with standard design requirements per UFC 4-010-01 for Antiterrorism/Force Protection measures. All required physical security and antiterrorism/force protection measures are included.</p> <p>d) This project is to be constructed within a Controlled Perimeter.</p> <p>e) This project meets conventional standoff as per UFC 4-010-01.</p> <p>f) This project will be less than three stories of construction.</p>		



December 2014



Approved 1390/91

FMS – Vehicle Maintenance Shop



December 2014



1. COMPONENT ARNG	FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 11 Dec 12 21 Mar 13 (Rev)			
3. INSTALLATION AND LOCATION SEA GIRT, NJ				4. AREA CONSTR COST INDEX 1.2			
5. FREQUENCY AND TYPE UTILIZATION Maintenance operations full time 5 days/week and 1 weekend/month for IDT Units. Reservists 1 weekends/month							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG, Freehold, NJ, 15 MI, Readiness Center, 38000 SF, 1940 ARNG, Toms River, NJ, 13 MI, Readiness Center, 24000 SF, 1956 USN, Earle Naval Weapons Depot, NJ, 11 MI, Base, 43560000 SF, 1943 USN, Lakehurst NAES, NJ, 15 MI, Base, 99999999 SF, 1921							
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	(DESIGN STATUS)			
				START	COMPLETE		
21407	NATIONAL GUARD VEHICLE	5,100 SF	3,500	01/01/13	01/07/13		
	MAINTENANCE SHOP	474 m2					
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in item 6 have been examined by the <u>11 Dec 2012</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.							
9. LAND ACQUISITION REQUIRED None 0 (Number of Acres)							
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)				
None.							
SRM BACKLOG (\$000): \$0							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF: 5 Oct 2012							
	PERMANENT			GUARD/RESERVE			
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	12	0	0	12	0	0	0
ACTUAL	0	0	0	0	0	0	0
Percentage: 0%							

1. COMPONENT ARNG	FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 11 Dec 12 21 Mar 13 (Rev)		
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. AREA CONSTR COST INDEX 1.2		
12. RESERVE UNIT DATA					
STRENGTH					
UIC	UNIT DESIGNATION	TPSN	MTOE/TDA	AUTHORIZED	ACTUAL
W8SP02	FMS 02 (EQP NJ ARNG FLD MAINT)			0	0
Totals				0	0
13. MAJOR EQUIPMENT AND AIRCRAFT					
TYPE		Supported by Shop	Assigned to Shop		
Wheeled Vehicles		42	10		
Trailers		42	2		
Tracked Vehicles		0	0		
Equipment > 30 FT		0	0		
Fuel Truck		0	0		
HET		0	0		
Totals		84	12		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES					
(\$000)					
Air Pollution				0	
Water Pollution				0	
Safety and Occupational Health				0	

1. COMPONENT ARNG		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 Dec 12 21 Mar 13 (Rev)	
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP			
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407	7. PROJECT NUMBER 1641 340124		8. PROJECT COST (\$000) 3,500	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITIES:					1634	
Maintenance Shop		SF	4,171	334.75	(1396)	
Bulk POL Storage		SF	200	150.00	(30)	
Flammable Materials Facility		SF	429	250.00	(107)	
Controlled Waste Facility		SF	300	245.00	(74)	
Sustainability / Energy Measures		LS	-	-	(27)	
SUPPORTING FACILITIES:					1593	
Rigid Pavement for MEP		SY	1,225	125.00	(153)	
Rigid Pavement for Operations		SY	4,518	125.00	(565)	
Flexible Paving		SY	620	60.00	(37)	
Security Fencing		LF	958	30.00	(29)	
Sidewalks		SY	321	50.00	(16)	
Wash Platform		LS	-	-	(75)	
Exterior Security Lighting		LS	-	-	(75)	
Loading Ramp		LS	-	-	(60)	
Detached Facility Sign		EA	1	5,000.00	(5)	
Exterior Fire Protection		LS	-	-	(20)	
Utilities: Gas		LS	-	-	(20)	
Utilities: Electric		LS	-	-	(20)	
Utilities: Water		LS	-	-	(20)	
Utilities: Waste Water/Sewer		LS	-	-	(20)	
Stormwater Containment		LS	-	-	(40)	
Information Systems		LS	-	-	(197)	
Site Improvement		LS	-	-	(42)	
Demolition		LS	-	-	(175)	
Anti-Terrorism/Force Protection		LS	-	-	(24)	
TOTAL CONSTRUCTION COST					3227	
Contingencies (5.0%)					(161)	
Supervision, Inspection and Overhead (3.)					(102)	
Commissioning (0.6%)					(10)	

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 Dec 12 21 Mar 13(Rev)															
3. INSTALLATION AND LOCATION SEA GIRT,NJ																			
4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP			5. PROJECT NUMBER 1641 340124																
<table border="0"> <tr> <td>TOTAL PROJECT COST</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="border-bottom: 1px solid black; width: 100px;"></td> <td style="text-align: right;">3500</td> </tr> <tr> <td>TOTAL PROJECT COST (ROUNDED)</td> <td></td> <td></td> <td></td> <td style="text-align: right;">3500</td> </tr> <tr> <td>Equipment Funded Other Appr (Non-Add)</td> <td></td> <td></td> <td style="border-bottom: 1px solid black;"></td> <td style="text-align: right;">(1334)</td> </tr> </table>					TOTAL PROJECT COST	-	-		3500	TOTAL PROJECT COST (ROUNDED)				3500	Equipment Funded Other Appr (Non-Add)				(1334)
TOTAL PROJECT COST	-	-		3500															
TOTAL PROJECT COST (ROUNDED)				3500															
Equipment Funded Other Appr (Non-Add)				(1334)															
10. DESCRIPTION OF PROPOSED CONSTRUCTION <p>A specially designed National Guard Vehicle Maintenance Shop of permanent construction due to the impacts of Hurricane Sandy in late October 2012. This facility will be designed to meet all local, state, and federal building codes. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Access for individuals with disabilities will be provided. Antiterrorism Measures are to be included in accordance with the DOD Minimum Antiterrorism Standards. This project will comply with the Army 1 SQ FT for 1 SQ FT disposal policy through disposal of the Existing FMS structure. This project will include all supporting facilities as per block #9 on page 1 of this document.</p> <p>MISSION: Current A/C TONNAGE: 25</p>																			
<table border="0"> <tr> <td style="width: 20%;">11. REQUIREMENT:</td> <td style="width: 20%;">5,100 SF</td> <td style="width: 20%;">Adequate:</td> <td style="width: 20%;">0 SF</td> <td style="width: 20%;">Substandard:</td> <td style="width: 20%;">0 SF</td> </tr> <tr> <td></td> <td>474 m2</td> <td></td> <td>0 m2</td> <td></td> <td>0 m2</td> </tr> </table> <p>1. PROJECT: To construct a total of 5,100 SQ FT of National Guard Vehicle Maintenance Shop which consist of 4,171 SQ FT of Maintenance shops and 929 SQ FT of additional structures of Bulk POL, Flammable Material, and Controlled Waste facilities that constitute an ARNG Field Maintenance Shop (FMS) to repair combat and tactical vehicles, as well as other surface equipment essential to the conduct of military operations. This facility will be built on State land. (Current Mission).</p> <p>2. REQUIREMENT: This new Field Maintenance Shop replaces the existing facility which was damaged during Hurricane Sandy. This facility is to perform general maintenance and specialty maintenance support as required to assigned units located on the Sea Girt NGTC, and other</p>					11. REQUIREMENT:	5,100 SF	Adequate:	0 SF	Substandard:	0 SF		474 m2		0 m2		0 m2			
11. REQUIREMENT:	5,100 SF	Adequate:	0 SF	Substandard:	0 SF														
	474 m2		0 m2		0 m2														

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13(Rev)
----------------------	---	--

3. INSTALLATION AND LOCATION

SEA GIRT, NJ

4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER 1641 340124
---	-------------------------------------

units as assigned by the NJARNG. The new facility will provide the necessary administrative, storage, supply and vehicle maintenance work bay areas required by a FMS to operate daily (Monday thru Friday) and on weekends as required. No other adequate facilities are available on the Sea Girt NGTC to support this facility and its mission. The new facility will replace the existing FMS #2 (Building #36) which was damaged extensively during Hurricane Sandy and was determined to be not economically feasible to repair.

3. CURRENT SITUATION: Sea Girt NGTC Building 36 was severely damaged during Hurricane Sandy due to storm surge, saltwater infiltration, high winds and heavy rains and can no longer support the mission requirements of a Surface Maintenance Equipment Facility and Field Maintenance Shop. A comprehensive condition assessment was performed on this damaged building and it was determined that due to the associated repair costs, facility age, location within a flood plain, loss and damage to facility contents, and current code compliance requirements, this facilities should be replaced.

4. IMPACT IF NOT PROVIDED: If this project is not provided the ability of the organizational, units and personnel will be severely degraded and impacted in their ability to operate this Field Maintenance Shop and perform its assigned mission if a new facility is not constructed. Additionally, not having an adequate facility will continue to have a significant adverse and negative impact on troop morale, unit readiness, equipment and vehicle mission readiness, and the NJARNG.

5. ADDITIONAL: Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 11988, and 11990 and other applicable laws and Executive Orders. This project complies with the scope and design criteria of National Guard Pamphlet 415-12 dated 01 June 2011. This facility is subject to flooding under certain conditions; however, the mission dictates that it is located as proposed. The facility will be designed and sited to minimize adverse effects on flood heights and damages to the structure or contents resulting from floods.

6. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION
SEA GIRT, NJ

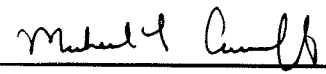
4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER 1641 340124
---	-------------------------------------

7. ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Only protective measures required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

8. ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

9. JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. The facility will not be available for use by other components.

13 MAY 2013



Date

Michael L. Cunniff
Brigadier General
The Adjutant General

AT/FP POC: COL Kevin Hagerty/(609) 530-7095

CFMO: LTC Michael Lyons/(809) 530-6968

12. SUPPLEMENTAL DATA

a. Estimated design data:

(1) Status:

(a) Date Design Started.....JAN/2013

(b) Percent Complete as of January 2012.....10%

(c) Date Design 35% Complete.....APR/2013

(d) Date Design Complete.....JUL/2013

(e) Parametric Cost Estimating Used to Develop Cost.....No

(f) Type of Design Contract.....Design - Bid - Build

(g) An energy study and life cycle cost analysis will be documented during final design

(2) Basis:

(a) Standard or Definitive Design.....No

(b) Where Design Was Most Recently Used.....N/A

(3) Total Cost (c)=(a)+(b) or (d)+(e):.....(\$000)

(a) Production of Plans and Specifications.....192

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13(Rev)
----------------------	---	--

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER 1641 340124
---	-------------------------------------

12. SUPPLEMENTAL DATA (CONT)

(b) All Other Design Costs.....	<u>109</u>
(c) Total.....	<u>301</u>
(d) Contract.....	<u>301</u>
(e) In-house.....	<u>0</u>
(4) Construction Award.....	<u>AUG/2013</u>
(5) Construction Start.....	<u>SEP/2013</u>
(6) Construction Completion.....	<u>JUN/2014</u>

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
F F & E	OMNG	2014	180
Shop Equipment (G4 Proponet)	OMNG	2014	300
ISCE Equipment	OPA	2014	6
ISCE G6 Proponent	OMNG	2014	36
Physical Fitness	OMNG	2014	16
ESS (214L)	OPA	2014	796
		Total:	<u>1334</u>

Point of Contact: CFMO NJ, 609-530-6999

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER 1641 340124	

Detailed Requirement Statements

1. **GENERAL:** The Field Maintenance Shop (FMS) located on the grounds of the New Jersey National Guard Training Center in Sea Girt, New Jersey was extensively damaged during Hurricane Sandy as a result of storm surge, salt water infiltration, high winds and heavy waves. The extent of the damage is such that the structure is not economically repairable and will need to be demolished. As a result, it can no longer provide support to the units that it served prior to the storm. The degree to which other structures on the NJNG Training Center were damaged precludes using any of them in the interim until a new FMS can be constructed and there will be a backlog of surface equipment maintenance throughout New Jersey until this FMS can be replace.
2. **DATA ON ACCOMMODATIONS NOW IN USE:** Because this FMS is a total loss and because no other facilities can be utilized to perform the FMS mission, there are no accommodations now in use.
3. **ANALYSIS OF DEFICIENCY:** The loss of this facility to hurricane Sandy has degraded the overall equipment readiness status of the units that had received maintenance of surface equipment from this FMS. Although the military technicians that had been employed at this FMS have been reassigned to other shops, the loss of their tools and the absence of the equipment that they had utilized within the damaged structure prevents them from being fully productive within their new workplaces. Thus, the readiness posture of the entire NJARNG will be negatively impacted until the destroyed facility can be replaced.
4. **ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS:** There are no other facilities available to adequately house these units in the local area. All ARNG facilities in the area have been surveyed and none can be expanded to meet this requirement.
5. **ANALYSIS OF CRITERIA AND EXCEPTIONS FOR NEW CONSTRUCTION:** The size and capacity is in accordance with NG Pam 415-12, dated 1 June 2011. The workload has been adequately defined. A standard design is being used for this project.
6. **STATEMENT OF PROGRAM RELATED EQUIPMENT:** Maintenance equipment, Furniture, ESS (CIDS) AA&E Storage, ESS, and ISC (Data & Telcom) will be requested in Fiscal Year 2014.
7. **DISPOSITION OF PRESENT ACCOMMODATIONS:** The existing, non-repairable facility will be demolished.

Sit

Cat

Cost

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13(Rev)
----------------------	---	--

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER 1641 340124
---	-------------------------------------

FACNO	Title	SF Disposition
34B90	Damaged FMS	4172 Demo Existing FMS 175
<p>8. SURVIVAL MEASURES: There are no survival measures required for this facility in addition to the Antiterrorism/Force Protection requirements addressed in the cost estimate for this project.</p> <p>9. CONTRIBUTIONS TO READINESS: a. How will readiness be enhanced by construction of this project? The cost ruction of this Field Maintenance Shop will return the level of surface equipment maintenance performed by the NJARNG to return to where it stood prior to hurricane Sandy. It will directly enhance the readiness of the units which it will support and thereby enhance the readiness of the entire New Jersey Army National Guard (NJARNG).</p> <p>b. How will readiness be impaired by deferring this project to a future program year? Until the facility that was destroyed can be replaced, there will be an increased maintenance backlog within the NJARNG and the overall readiness of the NJARNG will be demolished.</p> <p>c. Why does this project contribute more than another project? The asset lost to hurricane Sandy was critical to the overall NJARNG Maintenance plan. The mission performed at the destroyed FMS can only be accomplished if it is replaced in-kind.</p> <p>10. CLEAN AIR ACT: This project will comply with air permitting and other procedural requirements mandated by State and Federal agencies.</p> <p>11. PROTECTION OF WETLANDS: This project has been evaluated for compliance with Executive Order 11990 (as amended by Executive Order 12608) and is not sited in a wetland.</p> <p>12. TELECOMMUNICATIONS: All telecommunications have been planned as per ISCE program/documentation and have been uploaded to Tab F of the DD1391 Processor (PAX).</p> <p>13. ECONOMIC ANALYSIS: Documentation for an Economic Analysis conducted using ECONPAC software has been uploaded into TAB-D in PAX.</p> <p>14. ANTITERRORISM/FORCE PROTECTION: a) A risk analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation AT/FP plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. b) A threat analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation physical security plan. c) The building design is to comply with standard design requirements</p>		

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP	5. PROJECT NUMBER 1641 340124	
<p>per UFC 4-010-01 for Antiterrorism/Force Protection measures. All required physical security and antiterrorism/force protection measures are included.</p> <p>d) This project is to be constructed within a Controlled Perimeter. e) This project meets conventional standoff as per UFC 4-010-01. f) This project will be less than three stories of construction.</p>		



December 2014



Approved 1390/91

PPB – Power Plant Building



December 2014



1. COMPONENT ARNG	FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 11 Dec 12 21 Mar 13 (Rev)	
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. AREA CONSTR COST INDEX 1.2	
W92BAA (CTR TRAINING CENTER N)		3		0
W77826 SEA GIRT (DET ARNG TRAINING SIT)	56751 NGW778AA	3		4
Totals		6		4
13. MAJOR EQUIPMENT AND AIRCRAFT				
TYPE	AUTHORIZED	ACTUAL		
Wheeled Vehicles	0	0		
Trailers	0	0		
Tracked Vehicles	0	0		
Equipment > 30 FT (includes HEMTT PLS Trailers)	0	0		
Fuel Truck	0	0		
HET	0	0		
Totals		0	0	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES				
		(\$000)		
Air Pollution			0	
Water Pollution			0	
Safety and Occupational Health			0	

1. COMPONENT ARNG		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 Dec 12 21 Mar 13 (Rev)	
3. INSTALLATION AND LOCATION SEA GIRT, NJ				4. PROJECT TITLE POWER PLANT BUILDING		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 89111	7. PROJECT NUMBER 1645 340129		8. PROJECT COST (\$000) 2,000	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITIES:						1294
AUX POWER BUILDING				SF	2,070	(479)
Stand-by Generator				EA	2	(800)
Sustainability / Energy Measures				LS	-	(15)
SUPPORTING FACILITIES:						548
Flexible Paving Repairs				SY	1,200	(72)
Exterior Security Lighting				LS	-	(14)
Detached Facility Sign				EA	1	(5)
Exterior Fire Protection				LS	-	(14)
Utilities: Gas				LS	-	(25)
Utilities: Electric				LS	-	(175)
Stormwater Containment				LS	-	(18)
Information Systems				LS	-	(194)
Site Improvement				LS	-	(23)
Anti-Terrorism/Force Protection				LS	-	(8)
TOTAL CONSTRUCTION COST						1842
Contingencies (5.0%)						(92)
Supervision, Inspection and Overhead (3.)						(58)
Commissioning (0.6%)						(8)
TOTAL PROJECT COST						2000
TOTAL PROJECT COST (ROUNDED)						2000
Equipment Funded Other Appr (Non-Add)						(15)
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
A specially designed Standby Generator set of permanent construction needed to ameliorate the loss of operational, medical, and emergency support capability due to the impacts of Hurricane Sandy in late October 2012. This facility will be designed to meet all local, state, and federal building codes. Construction will include all utility services, information systems, fire detection and alarm systems, and site						

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION

SEA GIRT, NJ

4. PROJECT TITLE
POWER PLANT BUILDING

5. PROJECT NUMBER
1645
340129

improvements. Facilities will be designed to achieve a maximum service life and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved performance. Antiterrorism Measures are to be included in accordance with the DoD Minimum Antiterrorism Standards. This project is exempt from the Army 1 SQ FT for 1 SQ FT disposal policy. This project will include all supporting facilities as per block #9 on page 1, of this document.

MISSION: Current A/C TONNAGE: 7

11. REQUIREMENT:	2,070 SF 192 m2	Adequate:	0 SF 0 m2	Substandard:	0 SF 0 m2
------------------	--------------------	-----------	--------------	--------------	--------------

1. PROJECT: To construct a 2,070 SF Auxiliary Power Plant Building to house two standby generators to provide auxiliary electric power to the NJ National Guard Training Site and ensure an uninterrupted flow of electricity to those structures on the installation that are needed to provide operational, medical and emergency service support in the event of a natural disaster. This facility will be built on State land. (Current] Mission).
2. REQUIREMENT: These new Generators are required to provide adequate backup power to the critical services of those facilities that are required to continue operating in the event of a power outage during normal operations of the National Guard Training Center at Sea Girt. This project will provide on-demand emergency power 24 hours a day; allowing the NGTC to operate around the clock in support of operations as required. No other adequate capabilities are available at the Sea Girt NGTC to provide this support. The new Generator complex will consolidate emergency generator requirements developed from other MILCON projects resulting from Hurricane Sandy storm damage, and determined to be not economically feasible to repair.
3. CURRENT SITUATION: Numerous Buildings and Infrastructure were extensively damaged during Hurricane Sandy as a result of storm surge, saltwater infiltration, high winds and heavy rains, and can no longer support the mission requirements at the NGTC at Sea Girt. Comprehensive damage condition assessments were performed on the damaged buildings and infrastructure and it was determined that due to the associated repair costs, facility age, location within a flood plain, loss and damage to facility contents, and current code compliance requirements, these facilities were not economical to repair and should be replaced.

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE POWER PLANT BUILDING		5. PROJECT NUMBER 1645 340129
<p>4. IMPACT IF NOT PROVIDED: The ability of the organization and personnel assigned to the Sea Girt NGTC will be degraded and the ability of the training site to perform its assigned mission will be adversely impacted if an Emergency Generator complex is not provided to provide backup power in the event that power provided from the local electric utility is disrupted. Additionally, not having adequate backup power will have a significant adverse and negative impact on troop morale, unit readiness, training, the overall readiness of the NJARNG; as well as tenants, Soldiers and Staff assigned to the NGTC and all those who utilize this Training Center.</p> <p>5. ADDITIONAL: Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 11988, and 11990 and other applicable laws and Executive Orders. This project complies with the scope and design criteria of National Guard Pamphlet 415-12 dated 01 June 2011. This facility is subject to flooding under certain conditions; however, the mission dictates that it is located as proposed. The facility will be designed and sited to minimize adverse effects on flood heights and damages to the structure or contents resulting from floods.</p> <p>6. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all required physical security measures are included.</p> <p>7. ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Only protective measures required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p> <p>8. ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>9. JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. The facility will not be</p>		

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

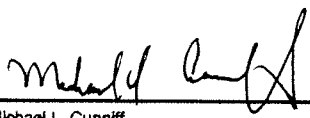
3. INSTALLATION AND LOCATION:
SEA GIRT, NJ

4. PROJECT TITLE POWER PLANT BUILDING	5. PROJECT NUMBER 1645 340129
--	-------------------------------------

available for use by other components.

13 MAY 2013

Date


 Michael L. Cunruff
 Brigadier General
 The Adjutant General

AT/FP POC: COL Kevin Hagerty/(609) 530-7095 CFMO: LTC Michael Lyons/(609) 530-6968

12. SUPPLEMENTAL DATA

a. Estimated design data:

(1) Status:

(a) Date Design Started.....Jan/2013

(b) Percent Complete as of January 2012.....10%

(c) Date Design 35% Complete.....Apr/2013

(d) Date Design Complete.....Jul/2013

(e) Parametric Cost Estimating Used to Develop Cost.....No

(f) Type of Design Contract.....Design - Bid - Build

(g) An energy study and life cycle cost analysis will be documented during final design

(2) Basis:

(a) Standard or Definitive Design.....No

(b) Where Design Was Most Recently Used.....N/A

(3) Total Cost (c)=(a)+(b) or (d)+(e):.....(\$000)

(a) Production of Plans and Specifications.....110

(b) All Other Design Costs.....62

(c) Total.....172

(d) Contract.....172

(e) In-house.....0

(4) Construction Award.....Aug/2013

(5) Construction Start.....Sep/2013

(6) Construction Completion.....Aug/2014

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE POWER PLANT BUILDING	5. PROJECT NUMBER 1645 340129
--	-------------------------------------

12. SUPPLEMENTAL DATA (CONT)

b. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
ISCE Equipment	OPA	2014	1
ISCE G6 Proponent	OMNG	2014	14
Total:			15

Point of Contact: CFMO NJ, 609-530-6968

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE POWER PLANT BUILDING	5. PROJECT NUMBER 1645 340129	

Detailed Requirement Statements

1. GENERAL: These new Generators are required to provide adequate backup power to the critical services of those facilities that are required to continue operating in the event of a power outage during normal operations of the National Guard Training Center at Sea Girt. This project will provide on-demand emergency power 24 hours a day; allowing the NGTC to operate around the clock in support of operations as required. No other adequate capabilities are available at the Sea Girt NGTC to provide this support. The new Generator complex will consolidate emergency generator requirements developed from other MILCON projects resulting from Hurricane Sandy storm damage, and determined to be not economically feasible to repair.
2. DATA ON ACCOMMODATIONS NOW IN USE: There are no accommodations currently in use. Electric power is provided by the local electric utility company. There is no emergency backup system in place.
3. ANALYSIS OF DEFICIENCY: The damage caused to the electric power grid in New Jersey had an adverse impact on all activities within the State. Residents who were forced from their homes because of the storm or left without electricity to operate the heating systems in those homes sought refuge from various government agencies; including the New Jersey National Guard. However, when the Governor sought to utilize the NJ National Guard Training Center as a base for providing various support services to a major portion of the population, it was unavailable because electric service to the entire training center had been lost. Had sufficient emergency electric power been available, the NJNGTC could have been employed to house, feed and provide medical services to numerous displaced residents from throughout NJ.
4. ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS: There are no other facilities available to adequately house these units in the local area. All ARNG facilities in the area have been surveyed and none can be expanded to meet this requirement.
5. ANALYSIS OF CRITERIA AND EXCEPTIONS FOR NEW CONSTRUCTION: The size and capacity is in accordance with NG Pam 415-12, dated 1 June 2011. The workload has been adequately defined. A standard design is being used for this project.
6. STATEMENT OF PROGRAM RELATED EQUIPMENT: Any Program Related Equipment needed for this project will be requested in Fiscal Year 14.
7. DISPOSITION OF PRESENT ACCOMMODATIONS: There are no present

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE POWER PLANT BUILDING	5. PROJECT NUMBER 1645 340129	
<p>accommodations to dispose of. This is an utility infrastructure project vs. a physical structure.</p> <p>8. SURVIVAL MEASURES: There are no survival measures required for this facility in addition to the Antiterrorism/Force Protection requirements addressed in the cost estimate for this project.</p> <p>9. CONTRIBUTIONS TO READINESS: a. How will readiness be enhanced by construction of this project? The provision of an uninterrupted flow of electric power to the critical activities on the NJNGTC will enhance readiness by ensuring that all training, operations and support missions can continue to be performed; even if power from the local electric utility provider is disrupted.</p> <p>b. How will readiness be impaired by deferring this project to a future program year? In the event that the local electric utility provider cannot provide service to the NJNGTC for an extended period of time, the various training activities, as well as all administrative, medical and facility support services, will have to be suspended. Depending upon the length of that interruption, the lack of training, the primary activity of the NJNGTC, and support services could have an adverse impact upon readiness.</p> <p>c. Why does this project contribute more than another project? Every aspect of modern life, including the classroom training of military personnel depends upon reliable electric service. This complex will ensure that power is constantly available to the NJNGTC. Without it, there is a high probability that the Training Center will be forced to suspend operations, as it was following Hurricane Sandy, for days or weeks at a time.</p> <p>10. CLEAN AIR ACT: This project will comply with air permitting and other procedural requirements mandated by State and Federal agencies.</p> <p>11. PROTECTION OF WETLANDS: This project has been evaluated for compliance with Executive Order 11990 (as amended by Executive Order 12608) and is not sited in a wetland.</p> <p>12. TELECOMMUNICATIONS: All telecommunications have been planned as per ISCE program/documentation and have been uploaded to Tab F of the DD1391 Processor (PAX).</p> <p>13. ECONOMIC ANALYSIS: Documentation for an Economic Analysis conducted using ECONPAC software has been uploaded into TAB-D in PAX.</p>		

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE POWER PLANT BUILDING	5. PROJECT NUMBER 1645 340129	
<p>14. ANTITERRORISM/FORCE PROTECTION: a) A risk analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation AT/FP plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively.</p> <p>b) A threat analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation physical security plan.</p> <p>c) The building design is to comply with standard design requirements per UFC 4-010-01 for Antiterrorism/Force Protection measures. All required physical security and antiterrorism/force protection measures are included.</p> <p>d) This project is to be constructed within a Controlled Perimeter.</p> <p>e) This project meets conventional standoff as per UFC 4-010-01.</p> <p>f) This project will be less than three stories of construction.</p>		



December 2014



Approved 1390/91

TELECOM – Underground Communications Lines & Ductbanks



December 2014



1. COMPONENT ARNG	FY 2013 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 11 Dec 12 21 Mar 13 (Rev)		
3. INSTALLATION AND LOCATION SEA GIRT, NJ			4. AREA CONSTR COST INDEX 1.2		
12. RESERVE UNIT DATA					
STRENGTH					
UIC	UNIT DESIGNATION	TPSN	MTOE/TDA	AUTHORIZED	ACTUAL
W92BAA	(CTR TRAINING CENTER N)			3	0
W77826	SEA GIRT (DET ARNG TRAINING SIT)	56751	NGW778AA	3	4
Totals				6	4
13. MAJOR EQUIPMENT AND AIRCRAFT					
TYPE		AUTHORIZED	ACTUAL		
Wheeled Vehicles		0	0		
Trailers		0	0		
Tracked Vehicles		0	0		
Equipment > 30 FT (includes HEMTT PLS Trailers)		0	0		
Fuel Truck		0	0		
HET		0	0		
Totals		0	0		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES					
				(\$000)	
Air Pollution				0	
Water Pollution				0	
Safety and Occupational Health				0	

1. COMPONENT ARNG		FY 2013 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 Dec 12 21 Mar 13 (Rev)		
3. INSTALLATION AND LOCATION SEA GIRT, NJ				4. PROJECT TITLE COMMUNICATION LINES AND DUCTBANK, UNDERGROUND			
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 13510		7. PROJECT NUMBER 1646 340130		8. PROJECT COST (\$000) 2,300	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES:							630
COMMUNICATION LINES, UNDERGROUND				LF	6,500	96.90	(630)
SUPPORTING FACILITIES:							1493
Rigid Pavement for Operations				SY	214	130.00	(28)
Flexible Paving Repair				SY	3,500	85.14	(298)
Curbing (Rigid) Repair				LF	867	45.00	(39)
Exterior Fire Protection				LS	-	-	(23)
Information Systems				LS	-	-	(734)
Site Improvement				LS	-	-	(358)
Anti-Terrorism/Force Protection				LS	-	-	(13)
TOTAL CONSTRUCTION COST							2123
Contingencies (5.0%)							(106)
Supervision, Inspection and Overhead (3.							(67)
Commissioning (0.6%)							(4)
TOTAL PROJECT COST							2300
TOTAL PROJECT COST (ROUNDED)							2300
Equipment Funded Other Appr (Non-Add)							(643)
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
<p>A specially designed system of Communication Lines installed in an underground duct bank of permanent construction due to the impacts of Hurricane Sandy in late October 2012. This facility will be designed to meet all local, state, and federal codes for the underground placement of communication cable. Construction will be such as to avoid interference with all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years, on average. Antiterrorism Measures will be included, as necessary, in accordance with the DoD Minimum Antiterrorism Standards for Buildings to preclude compromise of service. This project is exempt from the Army 1 SQ FT for 1 SQ FT disposal policy. This project will include</p>							

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)												
3. INSTALLATION AND LOCATION SEA GIRT, NJ														
4. PROJECT TITLE COMMUNICATION LINES AND DUCTBANK, UNDERGROUND		5. PROJECT NUMBER 1646 340130												
all supporting facilities as per block #9 on page 1, of this document. MISSION: Current A/C TONNAGE: 17														
<table border="0"> <tr> <td>11. REQUIREMENT:</td> <td>6,500 LF</td> <td>Adequate:</td> <td>0 LF</td> <td>Substandard:</td> <td>0 LF</td> </tr> <tr> <td></td> <td>1,981 m</td> <td></td> <td>0 m</td> <td></td> <td>0 m</td> </tr> </table>			11. REQUIREMENT:	6,500 LF	Adequate:	0 LF	Substandard:	0 LF		1,981 m		0 m		0 m
11. REQUIREMENT:	6,500 LF	Adequate:	0 LF	Substandard:	0 LF									
	1,981 m		0 m		0 m									
<p>1. PROJECT: To construct a 6500 linear foot long Duct Bank to protect an equal length of Communication Cable that supports training, administrative, and logistical requirements for the ARNG. This facility will be built on State land. (Current Mission).</p> <p>2. REQUIREMENT: This facility is required in order to provide protection for vital communications lines that will be buried to preclude them from being damaged or destroyed as the result of high winds associated with storms or any other type of damage commensurate with above ground, pole mounting of these cables.</p> <p>3. CURRENT SITUATION: The Sea Girt NGTC IT and telecommunication Infrastructure was extensively damaged during Hurricane Sandy due to storm surge, saltwater infiltration, and heavy rains. Thus, it can no longer support the mission requirements needed at the NGTC at Sea Girt. Comprehensive damage condition assessments were performed on the damaged infrastructure and it was determined that, due to the associated repair costs, its age, construction techniques previously used, location within a flood plain, and current code compliance requirements, this IT infrastructure was not economical to repair and should be replaced with a more permanent system encased within a concrete duct bank.</p> <p>4. IMPACT IF NOT PROVIDED: The ability of the organization and personnel assigned to the Sea Girt NGTC to accomplish their assigned mission and daily requirements will be severely degraded and impacted if this new project is not completed. Additionally, not having adequate IT and Telecommunications Infrastructure at the Training Center will have a significantly adverse and negative impact on troop morale, unit readiness, and training. The lack of such capability could put the Soldiers and Staff assigned to Sea Girt Training Center and others who utilize this complex at risk.</p> <p>5. ADDITIONAL: Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 11988, and 11990 and other applicable laws</p>														

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	--	---

3. INSTALLATION AND LOCATION SEA GIRT, NJ
--

4. PROJECT TITLE COMMUNICATION LINES AND DUCTBANK, UNDERGROUND	5. PROJECT NUMBER 1646 340130
---	-------------------------------------

and Executive Orders. This project complies with the scope and design criteria of National Guard Pamphlet 415-12 dated 01 June 2011. This facility is subject to flooding under certain conditions; however, the mission dictates that it is located as proposed. The facility will be designed and sited to minimize adverse effects on flood heights and damages to the structure or contents resulting from floods.

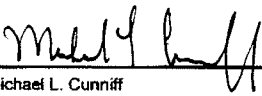
6. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all required physical security measures are included.

7. ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Only protective measures required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

8. ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

9. JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. The facility will not be available for use by other components.

13 May 2013
Date


Michael L. Cunniff
Brigadier General
The Adjutant General

AT/FP POC: COL Kevin Hagerty/(609) 530-7095 CFMO: LTC Michael Lyons/(609) 530-6968

12. SUPPLEMENTAL DATA a. Estimated design data: (1) Status: (a) Date Design Started..... <u>Jan/2013</u> (b) Percent Complete as of January 2012..... <u>10%</u>
--

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)	
3. INSTALLATION AND LOCATION SEA GIRT, NJ			
4. PROJECT TITLE COMMUNICATION LINES AND DUCTBANK, UNDERGROUND		5. PROJECT NUMBER 1646 340130	
12. SUPPLEMENTAL DATA (CONT)			
(c) Date Design 35% Complete..... <u>Apr/2013</u> (d) Date Design Complete..... <u>Jul/2013</u> (e) Parametric Cost Estimating Used to Develop Cost..... <u>No</u> (f) Type of Design Contract..... <u>Design - Bid - Build</u> (g) An energy study and life cycle cost analysis will be documented during final design (2) Basis: (a) Standard or Definitive Design..... <u>No</u> (b) Where Design Was Most Recently Used..... <u>N/A</u> (3) Total Cost (c)=(a)+(b) or (d)+(e):.....(\$000) (a) Production of Plans and Specifications..... <u>128</u> (b) All Other Design Costs:..... <u>72</u> (c) Total..... <u>200</u> (d) Contract..... <u>200</u> (e) In-house..... <u>0</u> (4) Construction Award..... <u>Aug/2013</u> (5) Construction Start..... <u>Sep/2013</u> (6) Construction Completion..... <u>Aug/2014</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated or <u>Requested</u>	Cost <u>(\$000)</u>
ISCE G6 Proponent	OMNG	2014	50
ISCE Equipment	OPA	2014	579
ISCE G6 Proponent	OMNG	2014	14
		Total:	643
Point of Contact: CFMO NJ, 609-530-6968			

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
----------------------	---	---

3. INSTALLATION AND LOCATION

SEA GIRT, NJ

4. PROJECT TITLE
COMMUNICATION LINES AND DUCTBANK, UNDERGROUND

5. PROJECT NUMBER
1646
340130

Detailed Requirement Statements

1. GENERAL: The availability of reliable and continuous telephone service and data connection to points on and beyond the perimeter of the New Jersey National Guard Training Center (NJNGTC) at Sea Girt, NJ is paramount to the primary mission of the facility, training Soldiers. Both of these vital resources were lost as a result of the wind and storm surge damage associated with Hurricane Sandy. The above-ground mounting of telephone and data lines were damaged or destroyed; throughout the NJNGTC. Whereas temporary connections have been put in place, they do not have the capacity of those that were lost. As a result, the NJNGTC headquarters, the 253 Training Regiment, the Regional Training Institute, the NJ Recruiting and Retention Battalion, and all of the other units and organizations stationed on the facility have been forced to curtail critical major aspects of their missions while awaiting restoration of full telephone and data service. This project will, by placing the new service lines under ground, will ensure that they are protected from being destroyed in the future by a similar Act of Nature.
2. DATA ON ACCOMMODATIONS NOW IN USE: The temporary telephone and data lines that were installed following Hurricane Sandy provide only limited service to the NJNGTC. They must eventually be replaced with permanent, higher capacity lines. They existing lines do not have the capability of restoring full service to the facility.
3. ANALYSIS OF DEFICIENCY: As a result of the high winds and storm surge from Hurricane Sandy, the majority of the above-ground telephone and data lines that were strung on poles throughout the facility, and the various devices that were in place to assist in moving transmissions along those lines, were destroyed. The remedy, to preclude such an occurrence from happening again in the future, is to place the replacement lines in a concrete duct bank buried beneath the ground surface.
4. ANALYSIS OF ALTERNATE FACILITIES AND LOCATIONS: There are no other facilities available in the local area to meet this requirement. All ARNG facilities in the area have been surveyed and none can be expanded to meet this requirement.
5. ANALYSIS OF CRITERIA AND EXCEPTIONS FOR NEW CONSTRUCTION: The size and capacity is in accordance with NG Pam 415-12, dated 1 June 2011. The workload has been adequately defined. A standard design is being used for this project.
6. STATEMENT OF PROGRAM RELATED EQUIPMENT: any required program related equipment will be requested in Fiscal Year 14.

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE COMMUNICATION LINES AND DUCTBANK, UNDERGROUND		5. PROJECT NUMBER 1646 340130
<p>Detailed Requirement Statements</p> <p>7. DISPOSITION OF PRESENT ACCOMMODATIONS: The above-ground telephone and data transmissions line that were made unusable as a result of the wind and storm surge of Hurricane Sandy, as well as the temporary replacements for those lines will be abandoned and removed once this project is completed.</p> <p>8. SURVIVAL MEASURES: There are no survival measures required for this facility in addition to the Antiterrorism/Force Protection requirements addressed in the cost estimate for this project.</p> <p>9. CONTRIBUTIONS TO READINESS: a. How will readiness be enhanced by construction of this project? This project will ensure that IT and communications services to the NJ National Guard Training Center will not be interrupted by storm or accident. Thus, training activities at the center will not be subject to suspension while repairs are made. Soldier readiness will be enhanced whenever training continuity is not interrupted due to the absence of support infrastructure.</p> <p>b. How will readiness be impaired by deferring this project to a future program year? If this project is not accomplished, the cables that were destroyed by Hurricane Sandy will not be replaced and the training that has been suspended at the Regional Training Institute can not resume. If this project is not accomplished future training could be subjected to suspension whenever above-ground communications lines are damaged by high winds or accidental downing. Either of these situations will prevent Soldiers from being trained and, thus, have a negative impact on readiness.</p> <p>c. Why does this project contribute more than another project? the ability for a training center to communicate and access the Internet is crucial to accomplishing the mission of a training Center. This project will negate the potential for training to be suspended because those informational links were incapacitated due to downed and/or destroyed cables.</p> <p>10. CLEAN AIR ACT: This project will comply with air permitting and other procedural requirements mandated by State and Federal agencies.</p> <p>11. PROTECTION OF WETLANDS: This project has been evaluated for compliance with Executive Order 11990 (as amended by Executive Order 12608) and is not sited in a wetland.</p>		

1. COMPONENT ARNG	FY 2013 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 Dec 12 21 Mar 13 (Rev)
3. INSTALLATION AND LOCATION SEA GIRT, NJ		
4. PROJECT TITLE COMMUNICATION LINES AND DUCTBANK, UNDERGROUND	5. PROJECT NUMBER 1646 340130	
<p>12. TELECOMMUNICATIONS: All telecommunications have been planned as per ISCE program/documentation and have been uploaded to Tab F of the DD 1391 Processor (PAX).</p> <p>13. ECONOMIC ANALYSIS: Documentation for an Economic Analysis conducted using ECONPAC software has been uploaded into TAB-D in PAX.</p> <p>14. ANTITERRORISM/FORCE PROTECTION: a) A risk analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation AT/FP plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively]. b) A threat analysis for this project has been conducted on 14 NOV 12 and coordinated with the installation physical security plan. c) The building design is to comply with standard design requirements per UFC 4-010-01 for Antiterrorism/Force Protection measures. All required physical security and antiterrorism/force protection measures are included.</p> <p>d) This project is to be constructed within a Controlled Perimeter. e) This project meets conventional standoff as per UFC 4-010-01. f) This project will be less than three stories of construction.</p>		



December 2014



APPENDIX H

Executive Order 11990, Protection of Wetlands



December 2014





Executive Order 11990--Protection of wetlands

Source: The provisions of Executive Order 11990 of May 24, 1977, appear at 42 FR 26961, 3 CFR, 1977 Comp., p. 121, unless otherwise noted.

By virtue of the authority vested in me by the Constitution and statutes of the United States of America, and as President of the United States of America, in furtherance of the National Environmental Policy Act of 1969, as amended (42 U.S.C. 4321 *et seq.*), in order to avoid to the extent possible the long and short term adverse impacts associated with the destruction or modification of wetlands and to avoid direct or indirect support of new construction in wetlands wherever there is a practicable alternative, it is hereby ordered as follows:

Section 1. (a) Each agency shall provide leadership and shall take action to minimize the destruction, loss or degradation of wetlands, and to preserve and enhance the natural and beneficial values of wetlands in carrying out the agency's responsibilities for (1) acquiring, managing, and disposing of Federal lands and facilities; and (2) providing Federally undertaken, financed, or assisted construction and improvements; and (3) conducting Federal activities and programs affecting land use, including but not limited to water and related land resources planning, regulating, and licensing activities.

(b) This Order does not apply to the issuance by Federal agencies of permits, licenses, or allocations to private parties for activities involving wetlands on non-Federal property.

Sec. 2. (a) In furtherance of Section 101(b)(3) of the National Environmental Policy Act of 1969 (42 U.S.C. 4331(b)(3)) to improve and coordinate Federal plans, functions, programs and resources to the end that the Nation may attain the widest range of beneficial uses of the environment without degradation and risk to health or safety, each agency, to the extent permitted by law, shall avoid undertaking or providing assistance for new construction located in wetlands unless the head of the agency finds (1) that there is no practicable alternative to such construction, and (2) that the proposed action includes all practicable measures to minimize harm to wetlands which may result from such use. In making this finding the head of the agency may take into account economic, environmental and other pertinent factors.

(b) Each agency shall also provide opportunity for early public review of any plans or proposals for new construction in wetlands, in accordance with Section 2(b) of Executive Order No. 11514, as amended, including the development of procedures to accomplish this objective for Federal actions whose impact is not significant enough to require the preparation of an environmental impact statement under Section 102(2)(C) of the National Environmental Policy Act of 1969, as amended.

Sec. 3. Any requests for new authorizations or appropriations transmitted to the Office of Management and Budget shall indicate, if an action to be proposed will be located in wetlands, whether the proposed action is in accord with this Order.

Sec. 4. When Federally-owned wetlands or portions of wetlands are proposed for lease, easement, right-of-way or disposal to non-Federal public or private parties, the Federal agency shall (a) reference in the conveyance those uses that are restricted under identified Federal, State or local wetlands regulations; and (b) attach other appropriate restrictions to the uses of properties by the grantee or



purchaser and any successor, except where prohibited by law; or (c) withhold such properties from disposal.

Sec. 5. In carrying out the activities described in Section 1 of this Order, each agency shall consider factors relevant to a proposal's effect on the survival and quality of the wetlands. Among these factors are:

- (a) public health, safety, and welfare, including water supply, quality, recharge and discharge; pollution; flood and storm hazards; and sediment and erosion;
- (b) maintenance of natural systems, including conservation and long term productivity of existing flora and fauna, species and habitat diversity and stability, hydrologic utility, fish, wildlife, timber, and food and fiber resources; and
- (c) other uses of wetlands in the public interest, including recreational, scientific, and cultural uses.

Sec. 6. As allowed by law, agencies shall issue or amend their existing procedures in order to comply with this Order. To the extent possible, existing processes, such as those of the Council on Environmental Quality, shall be utilized to fulfill the requirements of this Order.

[Sec. 6 amended by Executive Order 12608 of Sept. 9, 1987, 52 FR 34617, 3 CFR, 1987 Comp., p. 245]

Sec. 7. As used in this Order:

- (a) The term "agency" shall have the same meaning as the term "Executive agency" in Section 105 of Title 5 of the United States Code and shall include the military departments; the directives contained in this Order, however, are meant to apply only to those agencies which perform the activities described in Section 1 which are located in or affecting wetlands.
- (b) The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of this Order.
- (c) The term "wetlands" means those areas that are inundated by surface or ground water with a frequency sufficient to support and under normal circumstances does or would support a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, river overflows, mud flats, and natural ponds.

Sec. 8. This Order does not apply to projects presently under construction or to projects for which all of the funds have been appropriated through Fiscal Year 1977, or to projects and programs for which a draft or final environmental impact statement will be filed prior to October 1, 1977. The provisions of Section 2 of this Order shall be implemented by each agency not later than October 1, 1977.

Sec. 9. Nothing in this Order shall apply to assistance provided for emergency work, essential to save lives and protect property and public health and safety, performed pursuant to Sections 305 and 306 of the Disaster Relief Act of 1974 (88 Stat. 148, 42 U.S.C. 5145 and 5146).

Sec. 10. To the extent the provisions of Sections 2 and 5 of this Order are applicable to projects covered by Section 104(h) of the Housing and Community Development Act of 1974, as amended (88 Stat. 640, 42 U.S.C. 5304(h)), the responsibilities under those provisions may be assumed by the appropriate applicant, if the applicant has also assumed, with respect to such projects, all of the



December 2014



responsibilities for environmental review, decisionmaking, and action pursuant to the National Environmental Policy Act of 1969, as amended.



December 2014



(THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK)



December 2014



APPENDIX I

Federal Emergency Management Agency (FEMA) Elevation Certificates

(FEMA Form 81-31, Mar 09)



December 2014





1100 North Glebe Road, Suite 500
Arlington, Virginia 22201 U.S.A.
1.571.218.1000 Fax 1.571.218.1600

Sunday, December 14, 2014

Construction and Facility Management Office
New Jersey Department of Military and Veterans Affairs
Attn: William Garron
101 Eggerts Crossing Road
Lawrenceville, NJ 08648

Dear Mr. Garron:

This letter, along with the Elevation Certificates (FEMA Form 81-31) for the replacement facilities associated with the Superstorm Sandy Disaster Response Projects, verifies that a professional engineer registered in the State of New Jersey has reviewed the design of the Military Construction Projects (PN 340126 – MED Facility, PN 340128 – GIB Facility, PN 3401124 – FMS Facility, PN 340127 – EHMS Facility, 340129 – PPB Facility, and PN 340130 Telecom) to address the regulatory requirements necessary to construct a proposed facility within the 100-year floodplain.

The projects have sited all buildings outside the delineated 100-year floodplain located within the National Guard Training Center (NGTC) in Sea Girt, New Jersey. However, two surface parking lots in support of the projects encroach into the floodplain of Stockton Lake, which is a tidal basin along the Atlantic Shore. Due to the tidal basin floodplain, the relatively flat topography of the site, the limited size of disturbance within the floodplain, and the fact that fill material is NOT being placed within the floodplain, there are no potential impacts or a net rise in the 100-year floodplain elevation at this location.

Please find the attached Elevation Certificates and a copy of the FEMA Map for this location. The Base Flood Elevation (BFE) varies between 9.0 and 10.0 feet across the NGTC. The Finished Floor Elevation (FFE) of each facility is at elevation 11.60 or above; therefore, the buildings are a minimum of 18-inches or more above the BFE. Although the buildings are not located within the floodplain, the elevation separation between the BFE and FFE exceeds local jurisdictional requirements. The FFE for each building is based on the Construction Drawings for each facility. A new Elevation Certificate will be required when the construction of the buildings are complete.

If we can be of further assistance, please free to contact me at 571.218.1259 or via email at robert.crowley@jacobs.com.

Sincerely,

Jacobs

A handwritten signature in black ink that reads "Robert Crowley". The signature is written in a cursive style with a large, looped "C" at the end.

Robert Crowley, PE



December 2014



Elevation Certificate

Troop Dispensary/Health Clinic & General Instruction Building (MED/GIB)



December 2014



ELEVATION CERTIFICATE

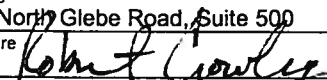
IMPORTANT: Follow the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name <u>New Jersey Department of Military and Veteran Affairs</u>		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>42 Academy Way</u>		Company NAIC Number:
City <u>08750</u>	State <u>NJ</u>	ZIP Code <u>08750</u>
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>Lot 1, Block 106</u>		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Non-Residential</u>		
A5. Latitude/Longitude: Lat. <u>40 1255 North</u> Long. <u>74.0412 West</u>		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number <u>1A</u>		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) _____ sq ft		a) Square footage of attached garage _____ sq ft
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A8.b _____ sq in		c) Total net area of flood openings in A9.b _____ sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number <u>Borough of Sea Girt 340325</u>		B2. County Name <u>Monmouth</u>		B3. State <u>NJ</u>	
B4. Map/Panel Number <u>343 & 456</u>	B5. Suffix <u>G</u>	B6. FIRM Index Date <u>01/31/2014</u>	B7. FIRM Panel Effective/Revised Date <u>01/31/2014</u>	B8. Flood Zone(s) <u>Not Applicable</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>9</u>
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ / _____ / _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input checked="" type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input type="checkbox"/> Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.	
C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: _____ Vertical Datum: _____ Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____ Datum used for building elevations must be the same as that used for the BFE.	
Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support _____	<input type="checkbox"/> feet <input type="checkbox"/> meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION			
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.			
<input type="checkbox"/> Check here if comments are provided on back of form.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Check here if attachments.			
Certifier's Name <u>Robert Crowley</u>		License Number <u>24GE05165400</u>	
Title <u>Civil Engineer</u>	Company Name <u>Jacobs Engineering</u>		
Address <u>1100 North Glebe Road, Suite 500</u>	City <u>Arlington</u>	State <u>VA</u>	ZIP Code <u>22201</u>
Signature 	Date <u>12/12/2014</u>	Telephone <u>(517) 218-1259</u>	

PLACE
SEAL
HERE

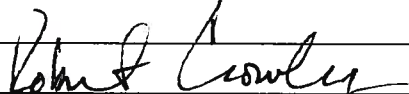
ELEVATION CERTIFICATE, page 2

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:	
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:	

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments MED/GIB Facility: Finished Floor Elevation = 11.60, LAG = 11.1, HAG = 11.50 (at doorway locations), Building is located entirely outside of the 100-year floodplain (Zone AE).

Signature  Date 12/12/2014

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ . _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ . _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ . _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name Robert Crowley

Address 1100 North Glebe Road, Suite 500 City Arlington State VA ZIP Code 22201

Signature  Date 12/12/2014 Telephone (571) 218-1259

Comments

Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ . _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ . _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ . _____ feet meters Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments

Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



December 2014



Elevation Certificate

Engineering Housing Maintenance Shop & Vehicle Maintenance Shop (EHMS/FMS)



December 2014



ELEVATION CERTIFICATE

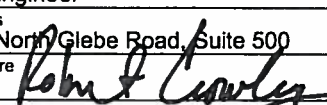
IMPORTANT: Follow the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A – PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name New Jersey Department of Military and Veteran Affairs		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way		Company NAIC Number:
City 08750	State NJ	ZIP Code 08750
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 1, Block 106		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Non-Residential		
A5. Latitude/Longitude: Lat. 40.1246 North Long. 74.0382 West Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983		
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number 1A		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) _____ sq ft		a) Square footage of attached garage _____ sq ft
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A8.b _____ sq in		c) Total net area of flood openings in A9.b _____ sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number Borough of Sea Girt 340325			B2. County Name Monmouth		B3. State NJ
B4. Map/Panel Number 343 & 456	B5. Suffix G	B6. FIRM Index Date 01/31/2014	B7. FIRM Panel Effective/Revised Date 01/31/2014	B8. Flood Zone(s) Not Applicable	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 9
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ / _____ / _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input checked="" type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input type="checkbox"/> Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.	
C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: _____ Vertical Datum: _____ Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____ Datum used for building elevations must be the same as that used for the BFE.	
Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION			
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.			
<input type="checkbox"/> Check here if comments are provided on back of form.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Check here if attachments.			
Certifier's Name Robert Crowley		License Number 24GE05165400	
Title Civil Engineer		Company Name Jacobs Engineering	
Address 1100 North Glebe Road, Suite 500		City Arlington	State VA
Signature 		ZIP Code 22201	Telephone (517) 218-1259
Date 12/12/2014			

PLACE
SEAL
HERE

ELEVATION CERTIFICATE, page 2

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:	
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:	

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments EHMS/FMS Facility: Finished Floor Elevation = 14.35, LAG = 13.85, HAG = 14.30 (at doorway locations), Building is located entirely outside of the 100-year floodplain (Zone AE).

Signature  Date 12/12/2014

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

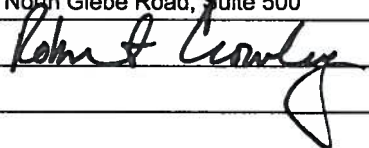
- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ . _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ . _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ . _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name Robert Crowley

Address 1100 North Glebe Road, Suite 500 City Arlington State VA ZIP Code 22201

Signature  Date 12/12/2014 Telephone (571) 218-1259

Comments _____ Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ . _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ . _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ . _____ feet meters Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments _____ Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



December 2014



Elevation Certificate
Power Plant Building (PPB)



December 2014



ELEVATION CERTIFICATE

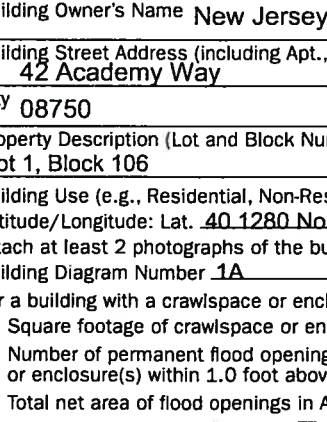
IMPORTANT: Follow the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name New Jersey Department of Military and Veteran Affairs	Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way	Company NAIC Number:	
City 08750	State NJ	ZIP Code 08750
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 1, Block 106		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Non-Residential		
A5. Latitude/Longitude: Lat. 40 1280 North Long. 74 0435 West Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983		
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number 1A		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) _____ sq ft	a) Square footage of attached garage _____ sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____	b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____	
c) Total net area of flood openings in A8.b _____ sq in	c) Total net area of flood openings in A9.b _____ sq in	
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No	d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number Borough of Sea Girt 340325		B2. County Name Monmouth		B3. State NJ	
B4. Map/Panel Number 343 & 456	B5. Suffix G	B6. FIRM Index Date 01/31/2014	B7. FIRM Panel Effective/ Revised Date 01/31/2014	B8. Flood Zone(s) Not Applicable	B9. Base Flood Elevation(s) (Zone A0, use base flood depth) 9
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ / _____ / _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input checked="" type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input type="checkbox"/> Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.	
C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: _____ Vertical Datum: _____ Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____ Datum used for building elevations must be the same as that used for the BFE.	
Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG) _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support _____ . _____	<input type="checkbox"/> feet <input type="checkbox"/> meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION			
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.			
<input type="checkbox"/> Check here if comments are provided on back of form.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Check here if attachments.			
Certifier's Name Robert Crowley		License Number 24GE05165400	
Title Civil Engineer		Company Name Jacobs Engineering	
Address 1100 North Glebe Road, Suite 500		City Arlington	State VA
Signature 		Date 12/12/2014	ZIP Code 22201
		Telephone (517) 218-1259	

PLACE
SEAL
HERE


ELEVATION CERTIFICATE, page 2

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:	
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:	

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments PPB Facility: Finished Floor Elevation = 15.75, LAG = 15.00, HAG = 15.65 (at doorway locations), Building is located entirely outside of the 100-year floodplain (Zone AE).

Signature  Date 12/12/2014

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

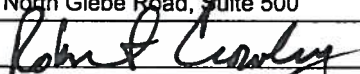
For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ . _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ . _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ . _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name Robert Crowley

Address 1100 North Glebe Road, Suite 500 City Arlington State VA ZIP Code 22201
 Signature  Date 12/12/2014 Telephone (571) 218-1259

Comments

Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ . _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ . _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ . _____ feet meters Datum _____

Local Official's Name _____ Title _____
 Community Name _____ Telephone _____
 Signature _____ Date _____

Comments

Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section AB. If submitting more photographs than will fit on this page, use the Continuation Page.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



December 2014



Elevation Certificate
Telecom/IT Infrastructure



December 2014



ELEVATION CERTIFICATE

IMPORTANT: Follow the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name New Jersey Department of Military and Veteran Affairs	Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way	Company NAIC Number:	
City 08750	State NJ	ZIP Code 08750
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 1, Block 106		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Non-Residential		
A5. Latitude/Longitude: Lat. 40 1278 North Long. 74 0424 West Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983		
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number 1A		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) _____ sq ft	a) Square footage of attached garage _____ sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____	b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____	
c) Total net area of flood openings in A8.b _____ sq in	c) Total net area of flood openings in A9.b _____ sq in	
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No	d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number Borough of Sea Girt 340325		B2. County Name Monmouth		B3. State NJ	
B4. Map/Panel Number 343 & 456	B5. Suffix G	B6. FIRM Index Date 01/31/2014	B7. FIRM Panel Effective/Revised Date 01/31/2014	B8. Flood Zone(s) Not Applicable	B9. Base Flood Elevation(s) (Zone A0, use base flood depth) 9
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ / _____ / _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input checked="" type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input type="checkbox"/> Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.	
C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: _____ Vertical Datum: _____ Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____ Datum used for building elevations must be the same as that used for the BFE.	
Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG) _____	<input type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support _____	<input type="checkbox"/> feet <input type="checkbox"/> meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION			
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.			
<input type="checkbox"/> Check here if comments are provided on back of form.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Check here if attachments.			
Certifier's Name Robert Crowley		License Number 24GE05165400	
Title Civil Engineer		Company Name Jacobs Engineering	
Address 1100 North Glebe Road, Suite 500		City Arlington	State VA
Signature 		Date 12/12/2014	ZIP Code 22201
		Telephone (517) 218-1259	

PLACE
SEAL
HERE

ELEVATION CERTIFICATE, page 2

IMPORTANT: In these spaces, copy the corresponding information from Section A. FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or PO. Route and Box No.
42 Academy Way
City 08750 State NJ ZIP Code 08750
Policy Number:
Company NAIC Number:

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Existing Telecom Facility: Approximate Finished Floor Elevation = 15.50, LAG = 14.20, HAG = 15.00

Building is located entirely outside of the 100-year floodplain (Zone AE).

Signature [Handwritten Signature] Date 12/12/2014

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
a) Top of bottom floor (including basement, crawlspace, or enclosure) is ... feet meters above or below the HAG.
b) Top of bottom floor (including basement, crawlspace, or enclosure) is ... feet meters above or below the LAG.
E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of instructions), the next higher floor (elevation C2.b in the diagrams) of the building is ... feet meters above or below the HAG.
E3. Attached garage (top of slab) is ... feet meters above or below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is ... feet meters above or below the HAG.
E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name Robert Crowley

Address 1100 North Glebe Road, Suite 500 City Arlington State VA ZIP Code 22201

Signature [Handwritten Signature] Date 12/12/2014 Telephone (571) 218-1259

Comments [Blank] Check here if attachments.

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8-G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
G3. The following information (Items G4-G10) is provided for community floodplain management purposes.

Table with 3 columns: G4. Permit Number, G5. Date Permit Issued, G6. Date Certificate Of Compliance/Occupancy Issued

- G7. This permit has been issued for: New Construction Substantial Improvement
G8. Elevation of as-built lowest floor (including basement) of the building: feet meters Datum
G9. BFE or (in Zone AO) depth of flooding at the building site: feet meters Datum
G10. Community's design flood elevation: feet meters Datum

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way	Policy Number:		
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 42 Academy Way			Policy Number:
City 08750	State NJ	ZIP Code 08750	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section AB.

APPENDIX G



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Land Use Regulation

Mail Code 501-02A

P.O. Box 420

Trenton, New Jersey 08625-0420

www.state.nj.us/dep/landuse

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

Col. Michael Lyons
NJ National Guard Training Center
101 Eggerts Crossing Road
Lawrenceville, NJ 08648

RE: Modification to CAFRA Individual Permit
Permit #1344-03-0001.2 (CAF 120002)
Modification File #1344-03-0001.2 CAF 140002
Applicant: NJ National Guard Training Center
Project Location: Camp Drive and Sea Girt Avenue
Block: 106 Lot: 1
Borough of Sea Girt, Monmouth County

Dear Col. Lyons:

Please be advised that pursuant to your modification request, the Division has reviewed the information submitted and the revised plans with regards to the above referenced permit and found it acceptable to modify the above referenced CAF Permit.

The original permit allowed the applicant to construct an education/administration complex (49,581 square feet), barracks (7,453 square feet), demolition of 8 buildings, construction of 225 parking spaces, telecom-IT upgrades and stormwater management facilities.

This CAFRA Individual Permit Modification authorizes the demolition of various facilities on site, and the construction of three (3) facilities: an EHMS/FMS building, MED/GIB building, PPB building, parking lots and associated improvements, as shown on the approved plans.

This work is shown on 28 sheets entitled:

“SUPERSTORM SANDY DISASTER RESPONSE PROJECTS, NEW JERSEY ARMY NATIONAL GUARD, NATIONAL GUARD TRAINING CENTER (NGTC) SEA GIRT, NEW JERSEY, CONTRACT NUMBER: W90FYQ-09-D-0001, TASK ORDER NUMBER: ZK10”, prepared by Jacobs Engineering, dated September 30, 2014, unrevised unless noted otherwise.

“OVERALL SITE AND DEMOLITION PLAN”, drawing no. C-100,

“CIVIL SITE LAYOUT PLAN”, drawing nos. CS-101A, CS-101B, CS-101C, CS-102A, CS-102B,

“CIVIL SITE UTILITY PLAN”, drawing nos. CU-101A, CU-101B, CU-101C, CU-102A, CU-102B,

“CIVIL UTILITY PROFILES”, drawing nos. CU-201, CU-202, CU-203, CU-204, CU-205, CU-206, CU-207 CU-208,

“CIVIL SITE GRADING AND DRAINAGE PLAN”, drawing nos. CG-101, CG-101A, CG-101C, CG-102A, CG-102B and

“CIVIL SITE DETAILS”, drawing nos. C-502, C-503, C-504, C-505.

Additional Conditions:

- 1) There shall be no disturbance to the wetlands located on-site.
- 2) All excavation shall be monitored for the presence of acid-producing soil deposits. If such deposits are encountered, the permittee shall adhere to the mitigation and disposal standards outlined in the Flood Hazard Area Technical Manual. Furthermore, an annual post-planting monitoring program shall be established to ensure that the re-establishment of vegetation in all disturbed areas, and in each individual basin, achieves a minimum 85% plant survival and coverage rate after two complete growing seasons. Failure to achieve this survival rate shall require the implementation of additional corrective measures and/or the reevaluation of this acid producing soil mitigation proposal to ensure the 85% survival rate requirement.
- 3) All temporarily disturbed areas shall be restored to the preconstruction conditions upon completion of the proposed project.
- 4) The applicant shall make specific arrangements to ensure the continuous maintenance and efficient operation of all proposed stormwater management measures onsite. This includes the inspection (and cleaning where necessary) of any and all constructed swales, basins, inlets, and mechanical treatment devices at least four times per year and after every major storm totaling 1 inch of rainfall or more, the use of appropriate soil conservation practices onsite, and any other reasonable effort required to maintain the stormwater management system in good working order.
- 5) This project has not been reviewed for consistency with the applicable Areawide Water Quality Management Plan or the Statewide Water Quality Management Planning Rules at N.J.A.C 7:15. As such, this authorization shall not be construed as any type of consistency determination for any sewage generating structures on the project site. There shall be no development unless and until the proposed sewage generating structures have been found to be consistent with the appropriate Areawide Water Quality Management Plan. For information regarding the water quality planning process, please contact the Department’s Division of Watershed Management at (609) 984-6888.
- 6) The Department has determined that this project meets the requirements of the Stormwater Management rules at N.J.A.C. 7:8. Any future expansion or alteration of the approved stormwater management system, which would affect water quality, increase the rate or volume of stormwater leaving the site, affect the infiltration capacity on the site, or alter the approved low impact site design, shall be reviewed and approved by the Department prior to construction. This includes any proposed changes to the discharge characteristics of any basin, the construction of new inlets or pipes that tie into the storm sewer network and/or the replacement of existing inlets or pipes with structures of different capacity.

A copy of this permit modification shall be appended to the original permit. All conditions of the original permit, including the expiration, as well as any subsequent modifications, shall remain in force.

If you have any questions regarding this letter, please contact Kara Turner at (609) 777- 0454.

Sincerely,



Joanne B. Davis
Supervisor
Bureau of Coastal Regulation

c: Municipal Clerk & Construction Official (w/plan)
Agent (w/plan)





002VL4

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUL 1 2013

U.S.



(See Issuing Division below)



PERMIT*

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No. 1344-03-0001.2 CAF 120002

Application No. 1344-03-0001.2 CAF 120002

Issuance Date **JUL 19 2013**

Effective Date **JUL 19 2013**

Expiration Date **JUL 18 2018**

Name and Address of Applicant

Edward Sain, PA
101 Eggerts Crossing Road
Lawrenceville, NJ 08648

Name and Address of Owner

SAME

Name and Address of Owner

SAME

Location of Activity/Facility (Street Address)

Sea Girt National Guard Training Center
Camp Drive and Sea Girt Avenue
Borough of Sea Girt, Monmouth County
Block: 106, Lot: 1

Issuing Division

Division Land Use Regulation
Mail Code 501-02A
PO Box 420
Trenton, NJ 08625

Statute(s)

NJSA 13:19-1 et. seq.

Type of Permit: Coastal Area Facility Review Act Individual Permit

Maximum Approved Capacity, if applicable

This permit grants permission to: construct an education/administration complex (49,581 square feet), barracks (7,453 square feet), demolition of 8 buildings, construction of 225 parking spaces, telecom-IT upgrades and stormwater management facilities. The proposed work is shown on plans in eight sheets (listed below), all sheets reference "REGIONAL TRAINING INSTITUTE (RTI) NEW JERSEY ARMY NATIONAL GUARD NATIONAL GUARD TRAINING CENTER, SEA GIRT, NEW JERSEY", all dated October 19, 2012, all last revised May 9, 2013 and prepared by Jacobs Architect/Engineers, Inc.

Sheet#	Sheet Title
CS-100	Overall Site Layout Plan
CS-101	Site Layout Plan
CS-102	Site Layout Plan
CS-103	Site Layout Plan Additive Bid Item
CG-101	Site Grading and Drainage Plan
CG-103	Site Grading and Additive Bid Item
CG-122	Erosion and Sediment Control Plan Phase 2
C-505	Site Details

TOTAL SHEETS: 11
 PAGE: 5435
 OK: 08-9032
 11:22:05 AM
 08 27 2013
 RECORDED BY
 2013091913
 INSTRUMENT NUMBER
 MONMOUTH COUNTY CLERK
 STAFF FRENCH CITY CLERK

This permit is authorized under and in compliance with the Rules on Coastal Zone Management, N.J.A.C. 7:7E-1.1 et seq., as amended. The Director of the Division of Land Use Regulation hereby finds the applicable findings as required by Sections 10 & 11 of the CAFRA statute (N.J.S.A. 13:19-1 et seq.) and the Rules on Coastal Zone Management will be met to the satisfaction of the Bureau of Coastal Regulation.

Prepared by: Kara Turner
Kara Turner

Revised Date

Approved by the Department of Environmental Protection

Name (Print or Type) _____ Title _____

Signature SEE LAST PAGE OF PERMIT Date _____

*The word "Permit" is defined in N.J.A.C. 7:27-1.1.

This permit is issued subject to and provided the following conditions can be met to the satisfaction of the Division of Land Use Regulation. Failure to comply with any or all conditions may result in appropriate enforcement action and revocation of this permit. Issuance of this permit is in no way construed as a relinquishment by the State of New Jersey of any tidelands right, title or interest in the subject property or in any land surrounding it. The permittee shall allow an authorized representative of the Department the right to inspect construction pursuant to N.J.A.C. 7:7-1.5(b)4. This project is authorized under, and in compliance with, applicable Rules on Coastal Zone Management (N.J.A.C. 7:7E-1.1 et seq.) provided that all conditions to follow are met.

COASTAL PERMIT GENERAL CONDITIONS

1. This permit is revocable, or subject to modification or change at any time, pursuant to the applicable regulations, when in the judgement of the Department of Environmental Protection of the State of New Jersey such revocation, modification or change shall be necessary.
2. The issuance of the permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application.
3. The works, facilities, and/or activities shown by plans and/or other engineering data, which are this day approved, subject to the conditions herewith established, shall be constructed and/or executed in conformity with such plans and/or engineering data and the said conditions.
4. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey.
5. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership.
6. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained.
7. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any person.
8. In cases of conflict, the conditions of this permit shall supersede the plans and/or engineering data.

ADMINISTRATIVE CONDITIONS

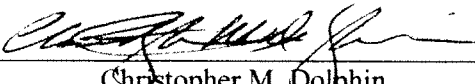
1. This permit shall be RECORDED in the office of the County Clerk (the REGISTRAR OF DEEDS AND MORTGAGES in the applicable counties) in the county wherein the lands included in the permit are located within ten (10) days after receipt of the permit by the applicant and verified notice shall be emailed to Kara Turner, at kara.turner@dep.state.nj.us immediately thereafter.
2. **Acceptance of permit: If you begin any activity approved by this permit, you thereby accept this document in its entirety, and the responsibility to comply with the terms and conditions. If you do not accept or agree with this document in its entirety, do not begin construction.**
3. This permit does not obviate you from obtaining any other necessary federal, state or local approvals.
4. The permittee must notify the Bureau of Coastal & Land Use Enforcement (1510 Hooper Ave., Toms River, NJ. 08753) at least 3 days prior to the commencement of construction activities. The permittee shall allow an authorized Program representative the right to inspect the construction pursuant to N.J.A.C. 7:7E-1.5(b)4.

5. The regulated activity must be performed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey at N.J.A.C. 2:90 and all necessary approvals shall be obtained prior to construction from the local Soil Conservation District in cases where the district has jurisdiction over the project.
6. In accordance with N.J.A.C. 7:7-5, any person who is aggrieved by this decision may request a hearing within 30 days after notice of the decision is published in the DEP Bulletin by writing to: New Jersey Department of Environmental Protection, Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, 401 East State Street, PO Box 402, Trenton, NJ 08625-0402. This request must include a completed copy of the Administrative Hearing Request Checklist. If a person submits the hearing request after this time, the Department shall deny the request. The DEP bulletin and checklist are available through the Department's website at www.state.nj.us/dep.

PHYSICAL CONDITIONS

1. Prior to construction the structures proposed for demolition (inclusive of trees), modification or reconstruction must be surveyed for kestrel nests and/or breeding activity during the breeding season: March 15 through August 15 (per Div. Fish & Wildlife ENSP).
 - If a nest is discovered upon survey, a restriction on all demolition and use of heavy machinery/equipment is must be observed throughout the breeding season.
 - Further, the permittee will be required to mitigate for the loss of any nest through the installation of a nest box structure elsewhere on the parcel in question. A proposal for replacement structures should be submitted to the Department for approval prior to installation. The proposal should include details such as proposed nest box location, plan of maintenance, etc. The permittee should be aware that the Division of Fish & Wildlife's Endangered & Nongame Species Program (ENSP) staff will need ready access to this structure. Please forward questions to the Endangered & Threatened Species Unit at 609-777-0454.
2. A portion of the proposed project (demolition of existing structures followed by the subsequent construction of an Education Administration Complex, Barracks) is in close proximity to an osprey nest. If this nest is present and occupied by April 15th of any given work year, the permittee must observe a timing restriction on all demolition and use of heavy machinery/equipment associated with this area from April 1st through August 31 of each given work year.
3. If a geodetic control reference marker is found on site and the position of the survey marker or monument cannot be protected, the NJDEP Bureau of Coastal Engineering shall coordinate with the New Jersey Geodetic Control Survey (NJGCS) at least 60 days prior to disturbance to relocate the geodetic control marker to an appropriate location prior to construction. The impacted areas shall be restored to original grade and condition. The applicant shall contact NJGCS with any questions at (609) 530-5654.
4. All debris, wood, trash, and other loose materials shall be discarded and legally disposed of offsite. The applicant shall take special care that no debris enters or remains in the water.
5. The use of plastic under landscaped or gravel areas are prohibited. All sub-gravel liners must be made of filter cloth or other permeable material.
6. All fill used during construction activities shall be clean and free of toxins.
7. Prior to construction, a silt fence shall be erected at the limits of disturbance with 10 foot returns on each end. These fences must be maintained and remain in place until all construction and landscaping activities are completed.
8. The proposed construction must comply with the elevation and flood proofing requirements of the National Insurance Program regulations at 44CFR Chapter 1.

9. All excavated material shall be disposed of in a lawful manner outside of any flood hazard area riparian zone, open water, wetland and adjacent transition area, and in such a way as to not interfere with the positive drainage of the receiving area.
10. There shall be no disturbance to the wetlands/wetland buffers located on-site.

DATE: 7/19/13 SIGNATURE: 
Christopher M. Dolphin
Section Chief
Bureau of Coastal Regulation

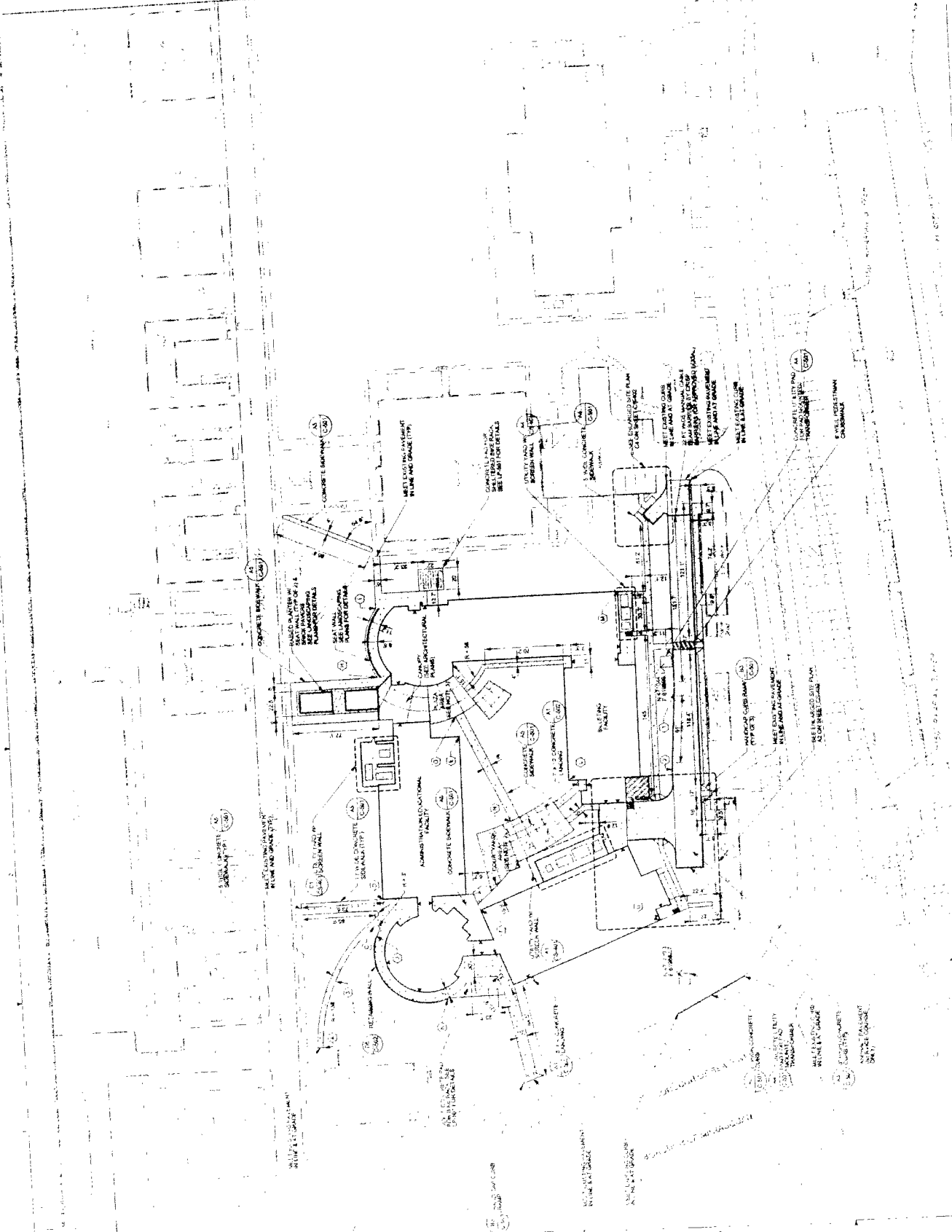
cc: Municipal Clerk & Construction Official (w/plan)
Agent (w/ plan and original approval sent to agent to facilitate condition compliance)

DATE: 08/11/10
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

REGIONAL TRAINING INSTITUTE (RTI)
 NEW JERSEY ARMY NATIONAL GUARD
 NATIONAL GUARD TRAINING CENTER, SEA GIRT, NEW JERSEY
 NATIONAL GUARD BUREAU
 CONTRACT NO. W90FY-D-09-D-0001
 NGB PROJECT NO. 340110



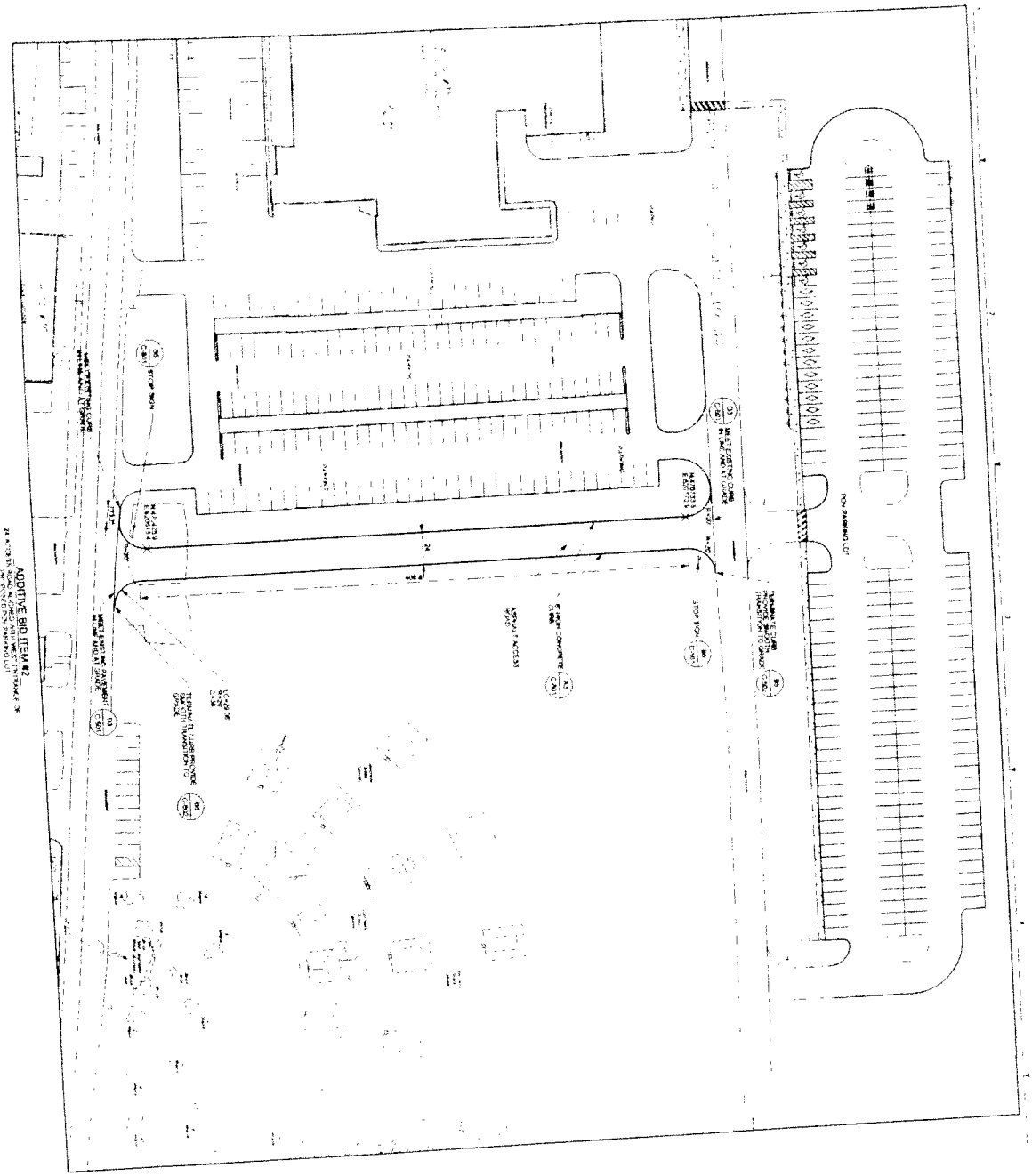
RTI
 OVERALL SITE LAYOUT PLAN
 GENERAL NOTES



RTI SITE LAYOUT PLAN

COORDINATE TABLE

SITE LAYOUT PLAN
 ADDITIVE BID ITEM



ADDITIVE BID ITEM #2
 24 4100 ST. ROAD, NEW JERSEY, 07033-1000
 NEW JERSEY ARMY NATIONAL GUARD
 CONTRACT NO. W90FY-Q-09-D-0001

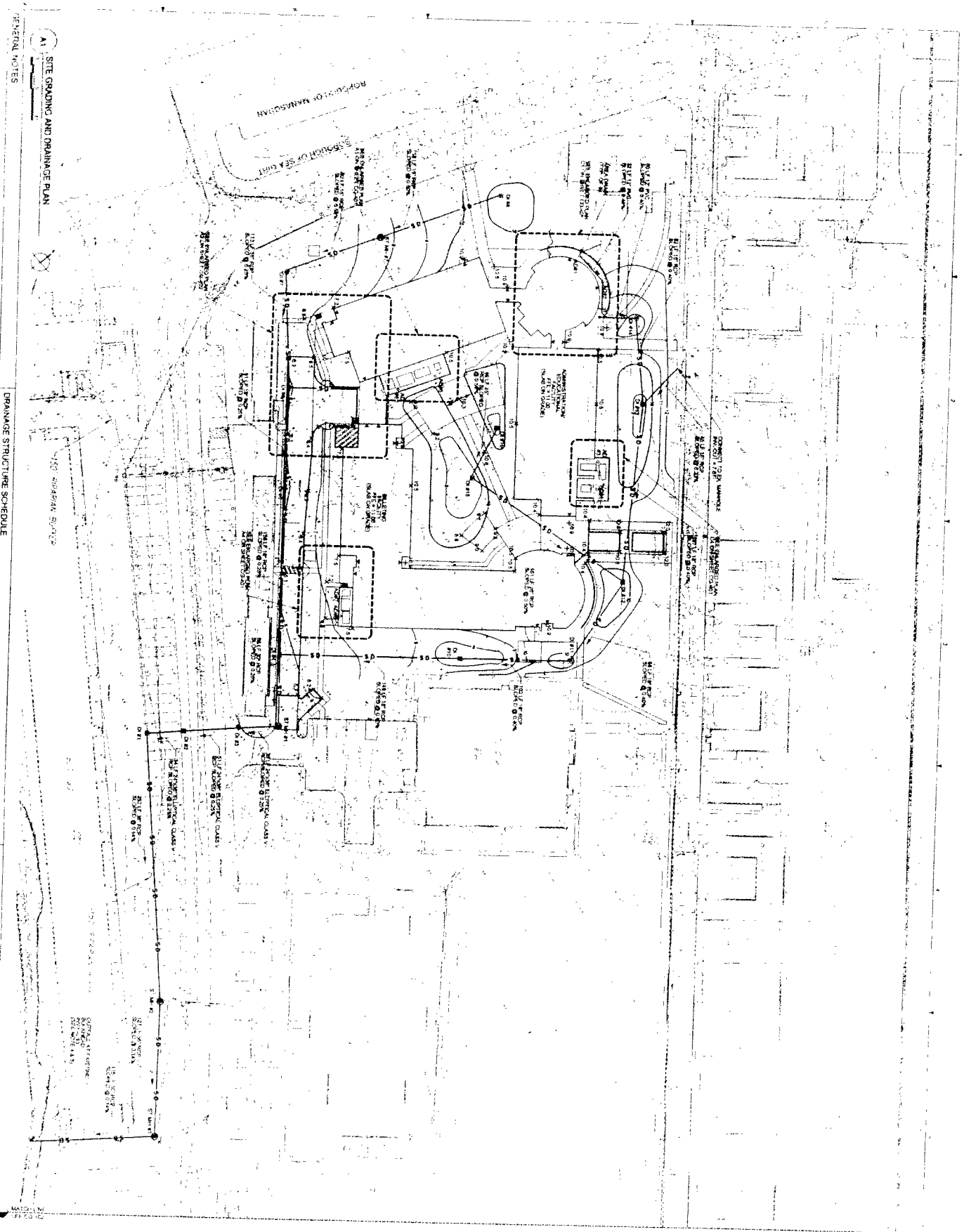
REGIONAL TRAINING INSTITUTE (RTI)

NEW JERSEY ARMY NATIONAL GUARD
 NATIONAL GUARD TRAINING CENTER, SEA GIRT, NEW JERSEY

NEW JERSEY ARMY NATIONAL GUARD
 CONTRACT NO. W90FY-Q-09-D-0001

NATIONAL GUARD BUREAU
 NGB PROJECT NO. 340119

JACOBS



REGIONAL TRAINING INSTITUTE (RTI)

NEW JERSEY ARMY NATIONAL GUARD
 NATIONAL GUARD TRAINING CENTER, SEA GIRT, NEW JERSEY

NEW JERSEY ARMY NATIONAL GUARD NATIONAL GUARD BUREAU
 CONTRACT NO. W90FY-Q-09-D-0001 NGB PROJECT NO. 340110

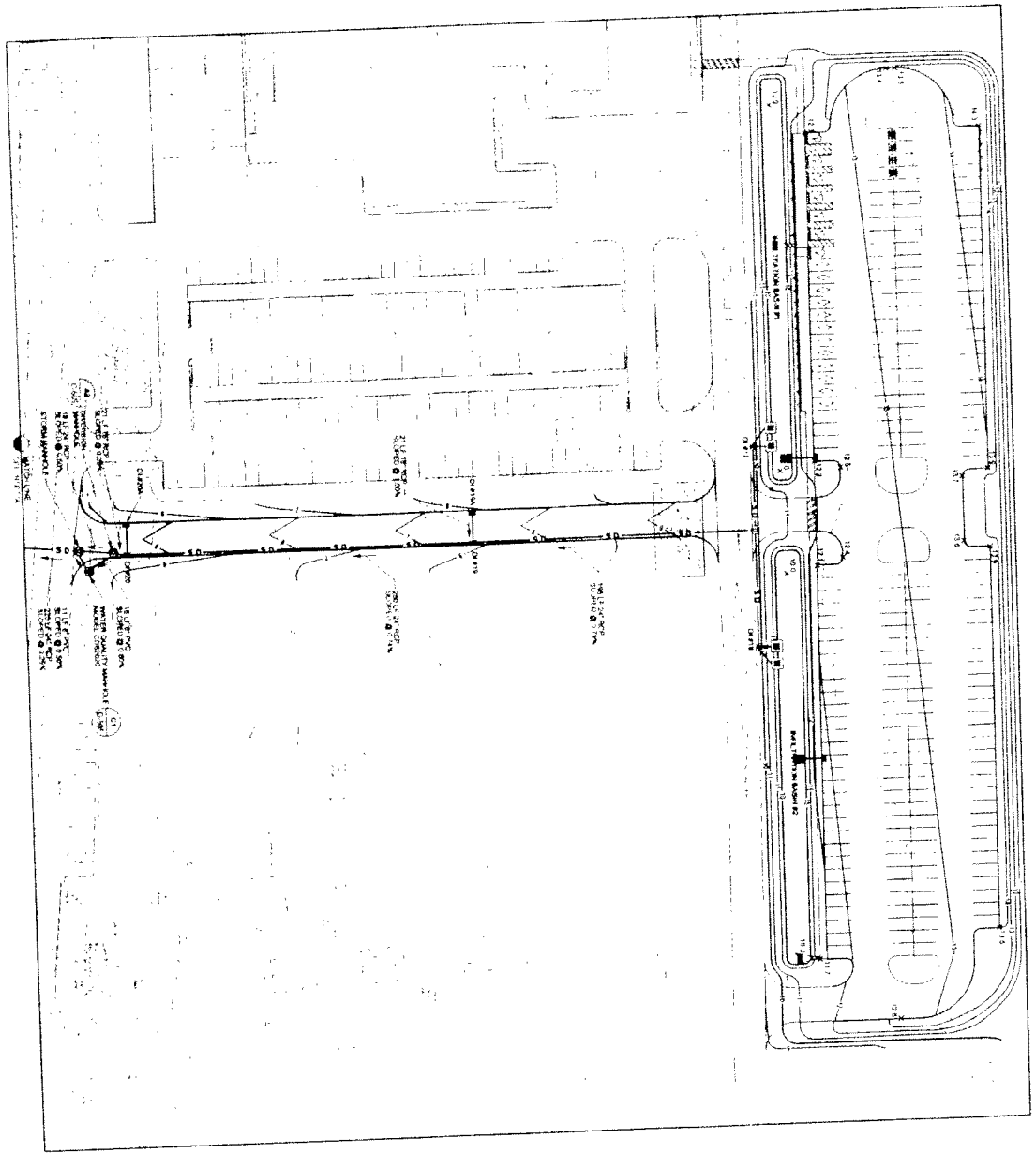
JACOBS

GENERAL NOTES

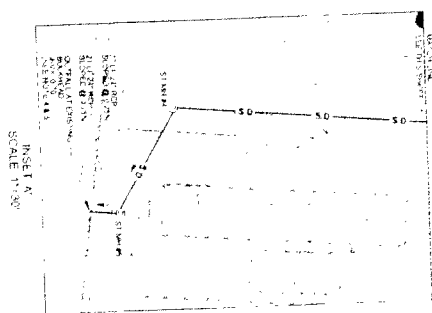
SITE GRADING AND DRAINAGE PLAN
ADDITIVE BID ITEM #1

DRAINAGE STRUCTURE SCHEDULE

RIPARIAN BUFFER LAND DISTURBANCE NOTES



ADDITIVE BID ITEM #2
 24. ADDITIONAL DRAINAGE STRUCTURES TO BE INSTALLED AT THE FOLLOWING LOCATIONS:



REGIONAL TRAINING INSTITUTE (RTI)

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER, SEA GIRT, NEW JERSEY

NEW JERSEY ARMY NATIONAL GUARD CONTRACT NO. W90FY-Q-09-D-0001
NATIONAL GUARD BUREAU NGB PROJECT NO. 340111

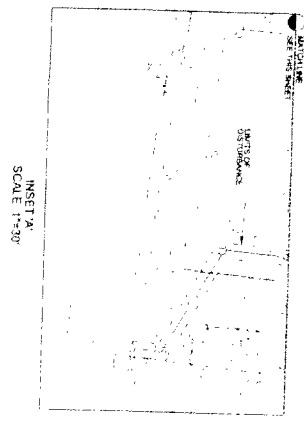
JACOBS

GENERAL NOTES

A1 EROSION AND SEDIMENT CONTROL PLAN PHASE 2



DATE: 11/15/11

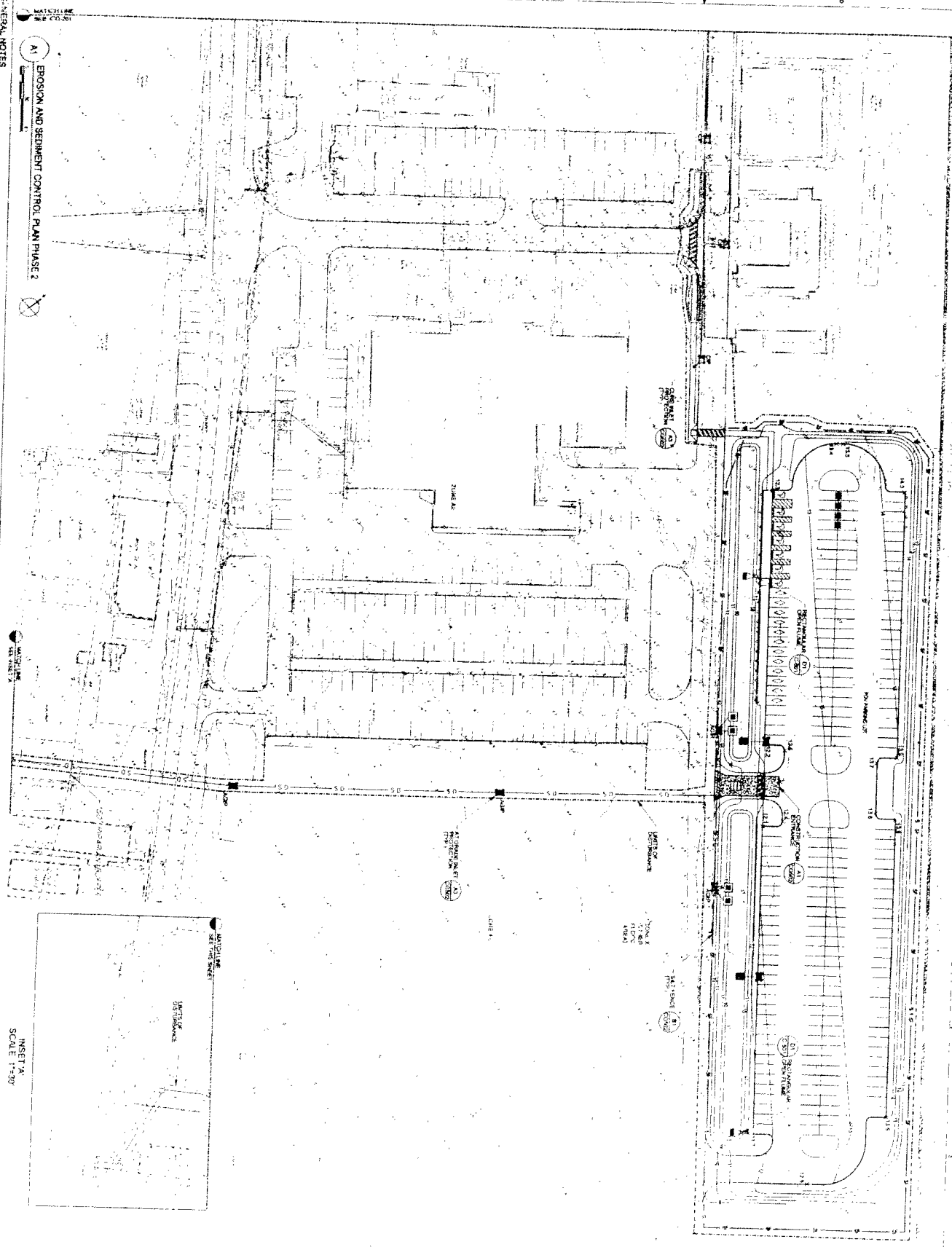


REGIONAL TRAINING INSTITUTE (RTI)

NEW JERSEY ARMY NATIONAL GUARD
NATIONAL GUARD TRAINING CENTER, SEA GIRT, NEW JERSEY

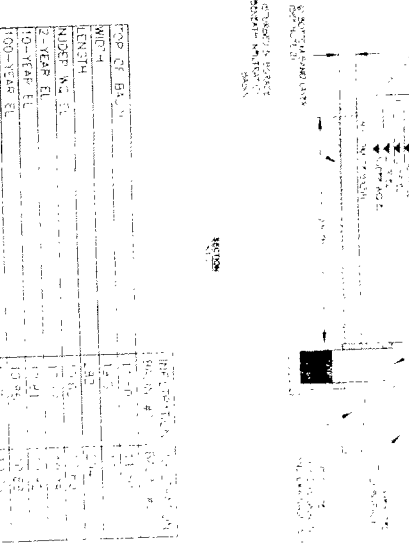
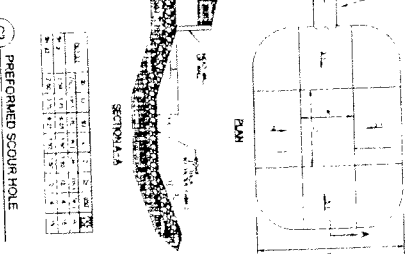
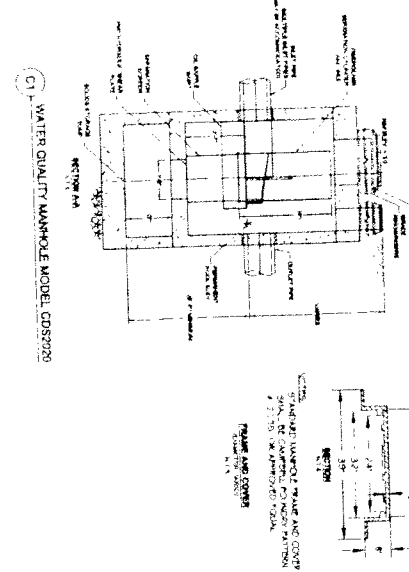
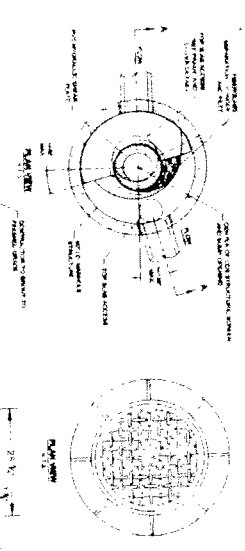
NEW JERSEY ARMY NATIONAL GUARD NATIONAL GUARD BUREAU
CONTRACT NO. W90FY-Q-09-D-0001 NGB PROJECT NO. 340110

JACOBS
AECOM



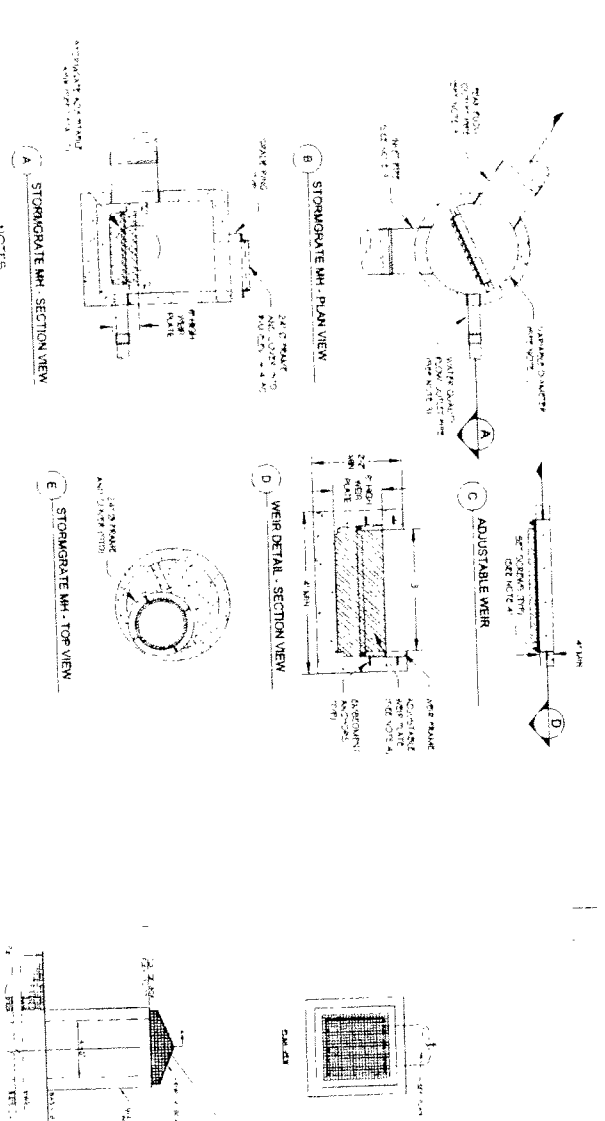
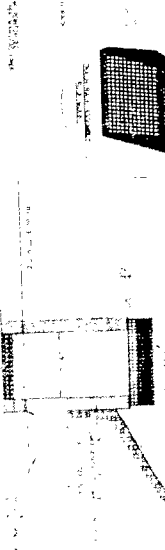
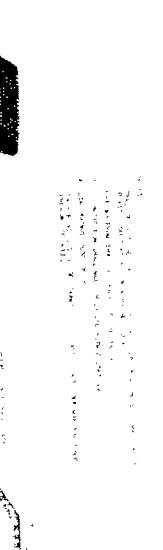
GENERAL WATER QUALITY DEVICE NOTES:

- 1) DETAILS SHOWN ON THIS SHEET ARE FOR BASIS OF DESIGN. CONTROL CONTRACTOR MAY USE AN ALTERNATIVE MANUFACTURER PROVIDED THE WATER QUALITY CONTROL DEVICE MEETS THE FOLLOWING REQUIREMENTS.
 - A) THE STORMWATER QUALITY TREATMENT DEVICE SHALL BE SIZED FOR 0.5 CFS.
 - B) MANUFACTURER TREATMENT DEVICE MODEL SHALL BE AN APPROVED MODEL PER NDJEP.
 - C) WATER QUALITY CONTROL DEVICES ARE FOR THE ADDITIONAL BID ITEM PLAN ONLY.
 - D) WATER QUALITY UNIT SHALL BE A MODEL CDS2020 MANUFACTURED BY CONTECH STORMWATER SOLUTIONS OR APPROVED EQUAL.



NOTES:

1. THE PERFORMED SCOUR HOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
2. THE PERFORMED SCOUR HOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
3. THE PERFORMED SCOUR HOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
4. THE PERFORMED SCOUR HOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
5. THE PERFORMED SCOUR HOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:



NOTES:

APPENDIX H



1805 Atlantic Avenue
Manasquan, New Jersey 08736
Tel: (732) 223-2225
Fax: (732) 223-3666
www.brinkenv.com

Meeting Minutes of 20 February 2014

Re: Task 1 – Environmental Assessment Project Kick-off Meeting
Proposed Superstorm Sandy Replacement Buildings and Infrastructure
New Jersey Army National Guard
Sea Girt National Guard Training Center
Block 106, Lot 1
Sea Girt Avenue, Borough of Sea Girt
Monmouth County, New Jersey

Date Prepared: 24 February 2014

Location: Sea Girt National Guard Training Center (Building No. 7)
Sea Girt Avenue, Sea Girt, New Jersey

Attendees:

Name	Affiliation	Email
Col. Michael Lyons	New Jersey Army National Guard (NJARNG)	michael.a.lyons5.mil@mail.mil
Lt. Col. Jim VanVooren	NJARNG	vanvooren122@comcast.net
CW3 Nancy Rowbotham	NJARNG	nancy.e.rowbotham.mil@mail.mil
Mark Clemmensen	NJARNG	mark.clemmensen@njdmava.state.nj.us
CW4 Frank Albanese	National Guard Training Center (NGTC)	frank.r.albanese4.mil@mail.mil
Gary Schmitz	NGTC	gary.schmitz@njdmava.state.nj.us
Charles Appleby	NJ Dept. of Military and Veteran Affairs(NJDMAVA)	charles.m.appleby.civ@mail.mil
Troylene Ladner	NJDMAVA	troylene.ladner@njdmava.state.nj.us
Bill Garrow	NJDMAVA	william.garrow@njdmava.state.nj.us
Dave Everett	Jacobs Global Buildings (Jacobs)	david.everett@jacobs.com
Laura Brinkerhoff	Brinkerhoff Environmental Services, Inc. (Brinkerhoff)	lbrinkerhoff@brinkenv.com
Glenn Donohue	Brinkerhoff	gdonohue@brinkenv.com
Dan McLaughlin	Brinkerhoff	dmclaughlin@brinkenv.com

Re: Task 1 – EA Project Kick-off Meeting Minutes
Proposed Superstorm Sandy Replacement Buildings and Infrastructure
New Jersey Army National Guard
Sea Girt National Guard Training Center
Block 106, Lot 1
Sea Girt Avenue, Borough of Sea Girt
Monmouth County, New Jersey
Brinkerhoff Project No. 13BR253
Date Prepared: 24 Feb 2014
Page 2 of 3

Item No.	Description	Action By
1	Attendees were introduced. Dave Everett provided a brief status of the current Regional Training Institute (RTI) construction, water and sewer utility construction, and the Proposed Superstorm Sandy Replacement Buildings and Infrastructure Project (Proposed Action).	No Action
2	Glenn Donohue presented the current status of BES's review of documents provided by Jacobs and NJARNG. BES will develop a list of requested resources upon completion of document review and forward same to the NJDMAVA for fulfilment.	Brinkerhoff/NJDMAVA
3	Charles Appleby briefed attendees about asbestos abatement ongoing on the eastern side of the property. Information regarding remediation will be obtained from Bill McBride (NJDMAVA) and provided to BES.	Brinkerhoff/NJDMAVA
4	Charles Appleby briefed attendees about polychlorinated biphenyl (PCB) remediation ongoing on the northeast side of Building No. 7. Work is being conducted by Clean Venture. Information regarding remediation will be obtained from the NJDMAVA Environmental Management Bureau (EMB) and supplied to BES	Brinkerhoff/NJDMAVA
5	Charles Appleby briefed attendees about the underground storage tank (UST) removal and closure pending at Building No. 60. Information regarding remediation and closure will be obtained from NJDMAVA EMB.	Brinkerhoff NJDMAVA
6	Charles Appleby briefed attendees about archaeological data being analyzed by the New Jersey State Historic Preservation Office (SHPO). Information regarding these data will be obtained from NGB c/o Joe Dunleavy.	BES/NJDMAVA
7	Dave Everett informed attendees that Executive Order 11988 – Floodplain Management Analysis – is expected to be made available in the near future.	Jacobs
8	Attendees unanimously agreed that three (3) alternatives should be analyzed for Alternatives Analyses submitted in support of the Environmental Assessment (EA). The three alternatives will be: 1) No Action; 2) an Alternate Site Layout as described in the Draft Design Charrette; and 3) the Proposed Action.	No Action
9	Attendees agreed that the EA will be prepared for the project as a whole, specifically for the five (5) proposed buildings. However, whether to include the inter-building Telecom infrastructure in the EA is pending review for Categorical Exclusion applicability. BES will be advised regarding the resolution of said review. The EA will represent As-built conditions for the RTI.	Jacobs/ NJDMAVA/ NJARNG
10	Attendees discussed the possibility of relocating the POV Parking Lot to an existing gravel parking area located adjacent to Stockton Lake, east of Building No. 60, and in the southern portion of the site. BES will be advised regarding resolution of said proposal.	Jacobs/ NJDMAVA/ NJARNG
11	Attendees agreed that the proposed EA Timeline for completion is reasonable, as provided by Brinkerhoff and presented in the Draft Design Charrette.	No Action

Re: Task 1 – EA Project Kick-off Meeting Minutes
Proposed Superstorm Sandy Replacement Buildings and Infrastructure
New Jersey Army National Guard
Sea Girt National Guard Training Center
Block 106, Lot 1
Sea Girt Avenue, Borough of Sea Girt
Monmouth County, New Jersey
Brinkerhoff Project No. 13BR253
Date Prepared: 24 Feb 2014
Page 3 of 3

Next Meeting: Pursuant to Task 5 in the EA Scope of Work and the EA Timetable, available in the Draft Design Charrette Report, the next meeting will be on or around 22 May 2014, to discuss the Internal Draft EA (iDEA).

Next Steps: The Draft Description of Proposed Action and Alternatives (Draft DOPAA) is due for review by NJARNG on 12 March 2014.

The above summation is an interpretation of the items discussed, decisions reached, and action items resulting from the above captioned meeting. Any changes to these minutes should be forwarded to the preparer below within seven (7) day of issuance otherwise the minutes will stand as written.

Prepared By: Daniel J. McLaughlin/Brinkerhoff
dmclaughlin@brinkenv.com

Reviewed By: Glenn M. Donohue/Brinkerhoff
gdonohue@brinkenv.com

Attachments: Meeting Agenda
Meeting Sign-in Sheet

CC: Attendees

1805 Atlantic Avenue
Manasquan, New Jersey 08736
Tel: (732) 223-2225
Fax: (732) 223-3666
www.brinkenv.com

**Kick-Off Meeting Agenda
1300 Hours, Thursday, 20 February 2014
Building No. 7- NJARNG Sea Girt National Guard Training Center**

Participants:

David Everett, AIA- Jacobs Global Buildings
Laura Brinkerhoff, CPG-Brinkerhoff Environmental Services, Inc.
Glenn M. Donohue-Brinkerhoff Environmental Services, Inc.
Daniel McLaughlin-Brinkerhoff Environmental Services
NJ Department of Military and Veterans Affairs
NJ Army National Guard

Project:

Environmental Assessment (EA) and Finding of No Significant Impact (FONSI)
Sea Girt National Guard Training Center
Proposed Hurricane Sandy Replacement Buildings and Infrastructure
Borough of Sea Girt, Monmouth County, New Jersey
Brinkerhoff Project No. 13BR253

- I. Introductions (All)**
- II. Project Overview (Jacobs)**
 - Draft Concept Design Charrette Report
 - Other NJARNG projects
- III. Existing Conditions (Jacobs and Brinkerhoff)**
 - Pre-Sandy conditions
 - Discuss 28 October 2013 ARNG memorandum regarding site contamination issues
- IV. Alternatives Considered by the NJARNG (NJANG/NJDMVA)**
 - Alternate Sites
- V. Availability and Status of Documents from NJARNG/NJDMVA and Jacobs (NJARNG and Jacobs)**
 - Cultural Resources
 - Environmental Studies, Wetland Delineations, Floodplain Analysis
 - NJDEP Permitting
 - RTI EA Report amendments
- VI. Points of Contact and Schedule (All)**
- VII. Site Tour of Project Area and Vicinity (All)**
- VIII. Next Steps (All)**
 - Meeting Minutes, 25 February 2014
 - Draft DOPPA, 10 March 2014

ATTENDANCE SHEET

PROJECT #: EA Kick-Off Meeting

PROJECT: Superstorm Sandy Recovery

LOCATION: Sea Girt NJTC

MEETING #:

DATE: 20 February, 2014

NAME	FIRM/ORGANIZATION	PHONE	FAX	EMAIL
Troylene Lodner	NTJ NJDMAVA	609-530-6911		troylene.lodner@njdmava.state.nj.us
Gary Schwarz	NGTE	732-974-8952	732-974-5969	gary.schwarz@njdmava.state.nj.us
Frank Albanese, Cof	NGTE	732-974-5996		frank.s.albanese4.mil@mail.mil
Bill Garron	NTJ DMAVA	609-530-6784		william.garron@njdmava.state.nj.us
Charles Appleby	NTJ Dmava - Env	609-530 7135		charles.m.appleby.civ@mar2.mil
Diana Zacobothman	NTJ NG	732-323-3451		diana.zacobothman.mil@mail.mil
Mark Clemmenssen	NTJ NG	732 974-5904		mark.clemmenssen@njdmava.state.nj.us
Laura Brinkerhoff	Brinkerhoff Env. Svcs.	732-223-2225	732-223-3666	LBrinkerhoff@BrinkEnv.com
Glen Donahue	Brinkerhoff Env. Svcs.	732-223-2225	732-223-3666	gdonahue@brinkenv.com
Dan McLaughlin	Brinkerhoff Env Svcs	732-223-2225		dmclaughlin@brinkenv.com
DAVE ENERGY	JACOBS	501-218-1340		DAVID.ENERGET@JACOBS.COM
Michael Lyons	NTJ ARWG	609 651 6780		Michael.A.lyons5.mil@mail.mil
Jim Van Voorzen	NJN ARWG	(609) 552-9940		VanVoorzen122@Comcast.net

APPENDIX I

**General Conformity
Record of Non-Applicability**

Project/Action Name: Sea Girt NGTC Master Plan
Project/Action Number: W9133N-04-D-0001 ZK01
Project/Action POC: William McBride, NJ Army National Guard
Project Proposed Dates: FY 2010-FY 2024
Date: January 12, 2010

Conformity under Clear Air Act, Section 176 has been evaluated for the above described project per 40 CFR 93. The requirements of this rule are not applicable to this project/action because:

1. The project/action is described as an exempt action under 40 CFR 93.153 (c) or (d).
The exemption taken is

OR

2. Total direct and indirect emissions from the project/action have been estimated at 1.71 tons VOC, 6.09 tons NO_x, 0.85 tons PM_{2.5}, and less than 0.01 tons SO₂ due to construction emissions; and an increase of tons 9.20 VOC, 7.46 tons NO_x, 1.02 tons PM_{2.5}, and 0.02 tons SO₂ above the baseline for future operations. These emissions are below the de minimus threshold established at 40 CFR 51.853 (b) of 50 tons VOC, 100 tons NO_x, 100 tons PM_{2.5}, and 100 tons SO₂.

AND

The above project/ action is not considered "regionally significant" under 40 CFR 93.153 (i).
The supporting documentation and emissions estimates are:

- ATTACHED
 ATTACHED TO NEPA DOCUMENT
 OTHER:

Prepared by: Mary Kaplan, AECOM.

RONA APPROVAL

Date: 3/7/12

Signature: 

William McBride
Compliance Manager/Environmental Protection Specialist
NJ Army National Guard

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2012 Construction.urb924

Project Name: 2012 Construction

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2012 TOTALS (tons/year unmitigated)	1.24	5.36	3.74	0.00	1.41	0.33	1.74	0.30	0.30	0.60

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:24:12 PM

2012	1.24	5.36	3.74	0.00	1.41	0.33	1.74	0.30	0.30	0.60
Asphalt 01/01/2012-12/31/2012	0.23	1.40	1.11	0.00	0.00	0.12	0.12	0.00	0.11	0.11
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.22	1.39	0.89	0.00	0.00	0.12	0.12	0.00	0.11	0.11
Paving On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Worker Trips	0.01	0.01	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 01/01/2012-12/31/2012	0.15	1.09	1.00	0.00	0.00	0.07	0.07	0.00	0.06	0.06
Building Off Road Diesel	0.13	1.03	0.60	0.00	0.00	0.06	0.06	0.00	0.06	0.06
Building Vendor Trips	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.01	0.02	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating 01/01/2012-12/31/2012	0.50	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading 01/01/2012-12/31/2012	0.35	2.87	1.63	0.00	1.41	0.14	1.55	0.29	0.13	0.42
Fine Grading Dust	0.00	0.00	0.00	0.00	1.41	0.00	1.41	0.29	0.00	0.29
Fine Grading Off Road Diesel	0.35	2.86	1.50	0.00	0.00	0.14	0.14	0.00	0.13	0.13
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Fine Grading 1/1/2012 - 12/31/2012 - Default Fine Site Grading Description

Total Acres Disturbed: 2.16

Maximum Daily Acreage Disturbed: 0.54

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

Page: 3

1/19/2010 5:24:12 PM

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 1/1/2012 - 12/31/2012 - Default Paving Description

Acres to be Paved: 0.54

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 1/1/2012 - 12/31/2012 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 1/1/2012 - 12/31/2012 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2014 Construction.urb924

Project Name: Construction SGNGTC 2014

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2014 TOTALS (tons/year unmitigated)	1.24	4.72	3.58	0.00	1.94	0.27	2.21	0.41	0.25	0.65

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:28:58 PM

2014	1.24	4.72	3.58	0.00	1.94	0.27	2.21	0.41	0.25	0.65
Asphalt 01/01/2014-12/31/2014	0.20	1.26	1.07	0.00	0.00	0.10	0.10	0.00	0.09	0.09
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.20	1.24	0.88	0.00	0.00	0.10	0.10	0.00	0.09	0.09
Paving On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Worker Trips	0.01	0.01	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 01/01/2014-12/31/2014	0.13	0.97	1.00	0.00	0.00	0.05	0.06	0.00	0.05	0.05
Building Off Road Diesel	0.12	0.87	0.57	0.00	0.00	0.05	0.05	0.00	0.04	0.04
Building Vendor Trips	0.01	0.08	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.01	0.02	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating 01/01/2014-12/31/2014	0.58	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading 01/01/2014-12/31/2014	0.32	2.50	1.51	0.00	1.93	0.12	2.05	0.40	0.11	0.51
Fine Grading Dust	0.00	0.00	0.00	0.00	1.93	0.00	1.93	0.40	0.00	0.40
Fine Grading Off Road Diesel	0.31	2.49	1.40	0.00	0.00	0.12	0.12	0.00	0.11	0.11
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Fine Grading 1/1/2014 - 12/31/2014 - Default Fine Site Grading Description

Total Acres Disturbed: 2.97

Maximum Daily Acreage Disturbed: 0.74

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

Page: 3

1/19/2010 5:28:58 PM

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 1/1/2014 - 12/31/2014 - Default Paving Description

Acres to be Paved: 0.74

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 1/1/2014 - 12/31/2014 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 1/1/2014 - 12/31/2014 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2015 Construction.urb924

Project Name: Construction SGNGTC 2015

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2015 TOTALS (tons/year unmitigated)	0.85	4.27	3.22	0.00	0.68	0.25	0.93	0.14	0.23	0.37

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:30:09 PM

2015	0.85	4.27	3.22	0.00	0.68	0.25	0.93	0.14	0.23	0.37
Asphalt 01/01/2015-12/31/2015	0.19	1.17	1.04	0.00	0.00	0.09	0.09	0.00	0.09	0.09
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.18	1.16	0.87	0.00	0.00	0.09	0.09	0.00	0.08	0.08
Paving On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Worker Trips	0.01	0.01	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 01/01/2015-12/31/2015	0.11	0.81	0.72	0.00	0.00	0.05	0.05	0.00	0.04	0.04
Building Off Road Diesel	0.11	0.79	0.56	0.00	0.00	0.05	0.05	0.00	0.04	0.04
Building Vendor Trips	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.01	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating 01/01/2015-12/31/2015	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading 01/01/2015-12/31/2015	0.30	2.29	1.45	0.00	0.68	0.11	0.79	0.14	0.10	0.24
Fine Grading Dust	0.00	0.00	0.00	0.00	0.68	0.00	0.68	0.14	0.00	0.14
Fine Grading Off Road Diesel	0.29	2.28	1.36	0.00	0.00	0.11	0.11	0.00	0.10	0.10
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Fine Grading 1/1/2015 - 12/31/2015 - Default Fine Site Grading Description

Total Acres Disturbed: 1.05

Maximum Daily Acreage Disturbed: 0.26

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

Page: 3

1/19/2010 5:30:09 PM

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 1/1/2015 - 12/31/2015 - Default Paving Description

Acres to be Paved: 0.26

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 1/1/2015 - 12/31/2015 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 1/1/2015 - 12/31/2015 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2017 Construction.urb924

Project Name: Construction SGNGTC 2017

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2017 TOTALS (tons/year unmitigated)	1.71	4.74	4.39	0.00	2.84	0.28	3.12	0.59	0.25	0.85

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:31:54 PM

2017	1.71	4.74	4.39	0.00	2.84	0.28	3.12	0.59	0.25	0.85
Asphalt 01/01/2017-12/31/2017	0.23	1.39	1.29	0.00	0.00	0.11	0.11	0.00	0.10	0.10
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.22	1.38	1.13	0.00	0.00	0.11	0.11	0.00	0.10	0.10
Paving On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Worker Trips	0.00	0.01	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 01/01/2017-12/31/2017	0.28	1.44	1.73	0.00	0.00	0.08	0.09	0.00	0.08	0.08
Building Off Road Diesel	0.26	1.35	1.20	0.00	0.00	0.08	0.08	0.00	0.07	0.07
Building Vendor Trips	0.01	0.06	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.01	0.02	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Coating 01/01/2017-12/31/2017	0.94	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading 01/01/2017-12/31/2017	0.27	1.91	1.36	0.00	2.83	0.09	2.92	0.59	0.08	0.67
Fine Grading Dust	0.00	0.00	0.00	0.00	2.83	0.00	2.83	0.59	0.00	0.59
Fine Grading Off Road Diesel	0.26	1.91	1.27	0.00	0.00	0.09	0.09	0.00	0.08	0.08
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Fine Grading 1/1/2017 - 12/31/2017 - Default Fine Site Grading Description

Total Acres Disturbed: 4.35

Maximum Daily Acreage Disturbed: 1.09

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

Page: 3

1/19/2010 5:31:54 PM

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 1/1/2017 - 12/31/2017 - Default Paving Description

Acres to be Paved: 1.09

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 1/1/2017 - 12/31/2017 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 1/1/2017 - 12/31/2017 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2018 Construction.urb924

Project Name: Construction SGNGTC 2018

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2018 TOTALS (tons/year unmitigated)	1.27	3.36	3.28	0.00	2.35	0.18	2.53	0.49	0.17	0.66

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:37:04 PM

2018	1.27	3.36	3.28	0.00	2.35	0.18	2.53	0.49	0.17	0.66
Asphalt 01/01/2018-12/31/2018	0.16	0.96	0.99	0.00	0.00	0.07	0.07	0.00	0.06	0.06
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.15	0.95	0.86	0.00	0.00	0.07	0.07	0.00	0.06	0.06
Paving On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Worker Trips	0.00	0.01	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 01/01/2018-12/31/2018	0.10	0.65	0.95	0.00	0.00	0.03	0.04	0.00	0.03	0.03
Building Off Road Diesel	0.09	0.58	0.54	0.00	0.00	0.03	0.03	0.00	0.03	0.03
Building Vendor Trips	0.00	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.01	0.02	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating 01/01/2018-12/31/2018	0.77	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading 01/01/2018-12/31/2018	0.25	1.76	1.33	0.00	2.35	0.08	2.43	0.49	0.07	0.56
Fine Grading Dust	0.00	0.00	0.00	0.00	2.35	0.00	2.35	0.49	0.00	0.49
Fine Grading Off Road Diesel	0.25	1.75	1.25	0.00	0.00	0.08	0.08	0.00	0.07	0.07
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Fine Grading 1/1/2018 - 12/31/2018 - Default Fine Site Grading Description

Total Acres Disturbed: 3.6

Maximum Daily Acreage Disturbed: 0.9

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

Page: 3

1/19/2010 5:37:04 PM

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 1/1/2018 - 12/31/2018 - Default Paving Description

Acres to be Paved: 0.9

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 1/1/2018 - 12/31/2018 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 1/1/2018 - 12/31/2018 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2020 Construction.urb924

Project Name: Construction SGNGTC 2020

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2020 TOTALS (tons/year unmitigated)	0.65	2.85	2.95	0.00	0.58	0.15	0.73	0.12	0.13	0.26

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:41:02 PM

2020	0.65	2.85	2.95	0.00	0.58	0.15	0.73	0.12	0.13	0.26
Asphalt 01/01/2020-12/31/2020	0.14	0.84	0.97	0.00	0.00	0.06	0.06	0.00	0.05	0.05
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.13	0.84	0.85	0.00	0.00	0.06	0.06	0.00	0.05	0.05
Paving On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Worker Trips	0.00	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building 01/01/2020-12/31/2020	0.08	0.54	0.71	0.00	0.00	0.02	0.03	0.00	0.02	0.02
Building Off Road Diesel	0.07	0.48	0.54	0.00	0.00	0.02	0.02	0.00	0.02	0.02
Building Vendor Trips	0.01	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating 01/01/2020-12/31/2020	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading 01/01/2020-12/31/2020	0.22	1.46	1.27	0.00	0.58	0.06	0.64	0.12	0.06	0.18
Fine Grading Dust	0.00	0.00	0.00	0.00	0.58	0.00	0.58	0.12	0.00	0.12
Fine Grading Off Road Diesel	0.22	1.46	1.20	0.00	0.00	0.06	0.06	0.00	0.06	0.06
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Fine Grading 1/1/2020 - 12/31/2020 - Default Fine Site Grading Description

Total Acres Disturbed: 0.88

Maximum Daily Acreage Disturbed: 0.22

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

Page: 3

1/19/2010 5:41:02 PM

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 1/1/2020 - 12/31/2020 - Default Paving Description

Acres to be Paved: 0.22

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 1/1/2020 - 12/31/2020 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 1/1/2020 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2012 Demo.urb924

Project Name: Demo SGNMTC 2012

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2012 TOTALS (tons/year unmitigated)	0.49	3.76	2.34	0.00	0.21	0.21	0.42	0.04	0.19	0.23

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:27:08 PM

2012	0.49	3.76	2.34	0.00	0.21	0.21	0.42	0.04	0.19	0.23
Demolition 01/01/2012-12/31/2012	0.13	0.89	0.71	0.00	0.00	0.06	0.07	0.00	0.06	0.06
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.13	0.88	0.59	0.00	0.00	0.06	0.06	0.00	0.06	0.06
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.00	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading 01/01/2012-12/31/2012	0.35	2.87	1.63	0.00	0.21	0.14	0.35	0.04	0.13	0.17
Mass Grading Dust	0.00	0.00	0.00	0.00	0.21	0.00	0.21	0.04	0.00	0.04
Mass Grading Off Road Diesel	0.35	2.86	1.50	0.00	0.00	0.14	0.14	0.00	0.13	0.13
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Demolition 1/1/2012 - 12/31/2012 - Default Paving Description

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Mass Grading 1/1/2012 - 12/31/2012 - Default Fine Site Grading Description

Total Acres Disturbed: 0.34

Maximum Daily Acreage Disturbed: 0.08

Fugitive Dust Level of Detail: Default

Page: 3

1/19/2010 5:27:08 PM

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2016 Demo.urb924

Project Name: Renovation and Demo SNGTC 2016

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2016 TOTALS (tons/year unmitigated)	0.38	2.77	2.04	0.00	0.26	0.14	0.40	0.05	0.13	0.18

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:30:48 PM

2016	0.38	2.77	2.04	0.00	0.26	0.14	0.40	0.05	0.13	0.18
Demolition 01/01/2016-12/31/2016	0.10	0.67	0.64	0.00	0.00	0.04	0.04	0.00	0.04	0.04
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.10	0.66	0.55	0.00	0.00	0.04	0.04	0.00	0.04	0.04
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading 01/01/2016-12/31/2016	0.28	2.10	1.41	0.00	0.26	0.10	0.36	0.05	0.09	0.15
Mass Grading Dust	0.00	0.00	0.00	0.00	0.26	0.00	0.26	0.05	0.00	0.05
Mass Grading Off Road Diesel	0.28	2.10	1.32	0.00	0.00	0.10	0.10	0.00	0.09	0.09
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Demolition 1/1/2016 - 12/31/2016 - Default Paving Description

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Mass Grading 1/1/2016 - 12/31/2016 - Default Fine Site Grading Description

Total Acres Disturbed: 0.41

Maximum Daily Acreage Disturbed: 0.1

Fugitive Dust Level of Detail: Default

Page: 3

1/19/2010 5:30:48 PM

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2017 Demo.urb924

Project Name: Renovation and Demo SNGTC 2017

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2017 TOTALS (tons/year unmitigated)	0.36	2.53	1.98	0.00	0.86	0.12	0.98	0.18	0.11	0.29

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:34:46 PM

2017	0.36	2.53	1.98	0.00	0.86	0.12	0.98	0.18	0.11	0.29
Demolition 01/01/2017-12/31/2017	0.09	0.62	0.62	0.00	0.00	0.04	0.04	0.00	0.03	0.03
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.09	0.61	0.54	0.00	0.00	0.04	0.04	0.00	0.03	0.03
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading 01/01/2017-12/31/2017	0.27	1.91	1.36	0.00	0.86	0.09	0.95	0.18	0.08	0.26
Mass Grading Dust	0.00	0.00	0.00	0.00	0.86	0.00	0.86	0.18	0.00	0.18
Mass Grading Off Road Diesel	0.26	1.91	1.27	0.00	0.00	0.09	0.09	0.00	0.08	0.08
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Demolition 1/1/2017 - 12/31/2017 - Default Paving Description

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Mass Grading 1/1/2017 - 12/31/2017 - Default Fine Site Grading Description

Total Acres Disturbed: 1.32

Maximum Daily Acreage Disturbed: 0.33

Fugitive Dust Level of Detail: Default

Page: 3

1/19/2010 5:34:46 PM

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2019 Demo.urb924

Project Name: Renovation and Demo SGNMTC 2019

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2019 TOTALS (tons/year unmitigated)	0.31	2.13	1.89	0.00	0.42	0.10	0.52	0.09	0.09	0.18

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:39:02 PM

2019	0.31	2.13	1.89	0.00	0.42	0.10	0.52	0.09	0.09	0.18
Demolition 01/01/2019-12/31/2019	0.08	0.53	0.60	0.00	0.00	0.03	0.03	0.00	0.02	0.02
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.08	0.52	0.53	0.00	0.00	0.03	0.03	0.00	0.02	0.02
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading 01/01/2019-12/31/2019	0.23	1.60	1.29	0.00	0.42	0.07	0.49	0.09	0.07	0.15
Mass Grading Dust	0.00	0.00	0.00	0.00	0.42	0.00	0.42	0.09	0.00	0.09
Mass Grading Off Road Diesel	0.23	1.60	1.22	0.00	0.00	0.07	0.07	0.00	0.06	0.06
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Demolition 1/1/2019 - 12/31/2019 - Default Paving Description

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Mass Grading 1/1/2019 - 12/31/2019 - Default Fine Site Grading Description

Total Acres Disturbed: 0.64

Maximum Daily Acreage Disturbed: 0.16

Fugitive Dust Level of Detail: Default

Page: 3

1/19/2010 5:39:02 PM

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2021 Demo.urb924

Project Name: Renovation and Demo SNGTC 2021

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2021 TOTALS (tons/year unmitigated)	0.29	1.95	1.81	0.00	0.13	0.09	0.22	0.03	0.08	0.11

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:44:56 PM

2021	0.29	1.95	1.81	0.00	0.13	0.09	0.22	0.03	0.08	0.11
Demolition 01/01/2021-12/31/2021	0.07	0.49	0.57	0.00	0.00	0.02	0.02	0.00	0.02	0.02
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.07	0.49	0.52	0.00	0.00	0.02	0.02	0.00	0.02	0.02
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading 01/01/2021-12/31/2021	0.22	1.46	1.24	0.00	0.13	0.06	0.19	0.03	0.06	0.09
Mass Grading Dust	0.00	0.00	0.00	0.00	0.13	0.00	0.13	0.03	0.00	0.03
Mass Grading Off Road Diesel	0.22	1.46	1.20	0.00	0.00	0.06	0.06	0.00	0.06	0.06
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Demolition 1/1/2021 - 12/31/2021 - Default Paving Description

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Mass Grading 1/1/2021 - 12/31/2021 - Default Fine Site Grading Description

Total Acres Disturbed: 0.19

Maximum Daily Acreage Disturbed: 0.05

Fugitive Dust Level of Detail: Default

Page: 3

1/19/2010 5:44:56 PM

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2022 Demo.urb924

Project Name: Renovation and Demo SNGTC 2022

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
2022 TOTALS (tons/year unmitigated)	0.29	1.94	1.80	0.00	1.25	0.09	1.34	0.26	0.08	0.34

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------

1/19/2010 5:45:50 PM

2022	0.29	1.94	1.80	0.00	1.25	0.09	1.34	0.26	0.08	0.34
Demolition 01/01/2022-12/31/2022	0.07	0.49	0.57	0.00	0.00	0.02	0.02	0.00	0.02	0.02
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.07	0.49	0.52	0.00	0.00	0.02	0.02	0.00	0.02	0.02
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading 01/01/2022-12/31/2022	0.22	1.45	1.24	0.00	1.25	0.06	1.31	0.26	0.06	0.32
Mass Grading Dust	0.00	0.00	0.00	0.00	1.25	0.00	1.25	0.26	0.00	0.26
Mass Grading Off Road Diesel	0.22	1.45	1.19	0.00	0.00	0.06	0.06	0.00	0.06	0.06
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Demolition 1/1/2022 - 12/31/2022 - Default Paving Description

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Mass Grading 1/1/2022 - 12/31/2022 - Default Fine Site Grading Description

Total Acres Disturbed: 1.94

Maximum Daily Acreage Disturbed: 0.48

Fugitive Dust Level of Detail: Default

Page: 3

1/19/2010 5:45:50 PM

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name:

Project Name: Renovation and Demo SGNMTC 2009

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2009 TOTALS (tons/year unmitigated)	1.22	6.09	3.91	0.00	1.31	0.35	1.66	0.27	0.32	0.60	608.84

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
------------	------------	-----------	------------	------------------	---------------------	-------------	-------------------	----------------------	--------------	------------

12/17/2009 2:11:36 PM

2009	1.22	6.09	3.91	0.00	1.31	0.35	1.66	0.27	0.32	0.60	608.84
Building 01/01/2009-12/31/2009	0.20	1.55	1.27	0.00	0.00	0.09	0.10	0.00	0.09	0.09	197.00
Building Off Road Diesel	0.17	1.28	0.64	0.00	0.00	0.08	0.08	0.00	0.08	0.08	116.59
Building Vendor Trips	0.02	0.25	0.17	0.00	0.00	0.01	0.01	0.00	0.01	0.01	41.20
Building Worker Trips	0.01	0.03	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.21
Coating 01/01/2009-12/31/2009	0.43	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52
Architectural Coating	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52
Demolition 01/01/2009-12/31/2009	0.17	1.07	0.78	0.00	0.00	0.08	0.08	0.00	0.08	0.08	104.72
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.16	1.06	0.62	0.00	0.00	0.08	0.08	0.00	0.08	0.08	91.39
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.33
Mass Grading 01/01/2009-12/31/2009	0.42	3.46	1.85	0.00	1.31	0.17	1.48	0.27	0.16	0.43	306.60
Mass Grading Dust	0.00	0.00	0.00	0.00	1.31	0.00	1.31	0.27	0.00	0.27	0.00
Mass Grading Off Road Diesel	0.42	3.45	1.69	0.00	0.00	0.17	0.17	0.00	0.16	0.16	293.27
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.33

Phase Assumptions

Phase: Demolition 1/1/2009 - 12/31/2009 - Default Paving Description

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

Off-Road Equipment:

Page: 3

12/17/2009 2:11:36 PM

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Mass Grading 1/1/2009 - 12/31/2009 - Default Fine Site Grading Description

Total Acres Disturbed: 2.01

Maximum Daily Acreage Disturbed: 0.5

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Building Construction 1/1/2009 - 12/31/2009 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 1/1/2009 - 12/31/2009 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\KaplanM\Application Data\Urbemis\Version9a\Projects\Sea Girt 2020 FUTURE.urb924

Project Name: Sea Girt NGTC Year 2020 Future Operations

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (tons/year, unmitigated)	4.60	1.14	1.86	0.00	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (tons/year, unmitigated)	13.28	20.04	159.95	0.11	22.39	4.38

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
TOTALS (tons/year, unmitigated)	17.88	21.18	161.81	0.11	22.39	4.38

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>
Natural Gas	0.08	1.13	0.75	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.09	0.01	1.11	0.00	0.00	0.00
Consumer Products	3.57					
Architectural Coatings	0.86					
TOTALS (tons/year, unmitigated)	4.60	1.14	1.86	0.00	0.00	0.00

Area Source Changes to Defaults

- Percent residential using natural gas changed from 60% to 75%
- Percentage of residences with wood stoves changed from 35% to 0%
- Percentage of residences with wood fireplaces changed from 10% to 0%
- Percentage of residences with natural gas fireplaces changed from 55% to 0%
- The number of persons per household for consumer product use changed from 2.861 persons to 4 persons

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25
Apartments low rise	3.31	4.75	38.88	0.03	5.33	1.04
High school	1.56	2.37	18.75	0.01	2.64	0.52
Racquetball/health	0.72	1.14	8.98	0.01	1.27	0.25
High turnover (sit-down) rest.	4.02	6.50	51.33	0.04	7.26	1.42
General office building	1.41	2.13	17.11	0.01	2.38	0.46
Hospital	0.44	0.67	5.40	0.00	0.75	0.15
Warehouse	1.78	2.44	19.19	0.01	2.72	0.53
General heavy industry	0.04	0.04	0.31	0.00	0.04	0.01
TOTALS (tons/year, unmitigated)	13.28	20.04	159.95	0.11	22.39	4.38

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Season: Annual

Erfac: Version : Erfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Apartments low rise	17.88	6.90	dwelling units	286.00	1,973.40	16,871.98
High school		12.89	1000 sq ft	85.92	1,107.51	8,378.30
Racquetball/health		32.93	1000 sq ft	16.39	539.72	4,024.98

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
High turnover (sit-down) rest.		127.15	1000 sq ft	24.26	3,084.66	23,003.84
General office building		11.01	1000 sq ft	84.55	930.90	7,542.58
Hospital		17.57	1000 sq ft	17.26	303.26	2,391.95
Warehouse		4.96	1000 sq ft	235.00	1,165.60	8,617.28
General heavy industry		1.50	1000 sq ft	9.72	14.58	135.38
					9,119.63	70,966.29

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	48.9	1.2	98.4	0.4
Light Truck < 3750 lbs	10.9	2.8	91.7	5.5
Light Truck 3751-5750 lbs	21.7	0.9	98.6	0.5
Med Truck 5751-8500 lbs	9.5	1.1	98.9	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.7	0.0	76.5	23.5
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	50.0	50.0
Med-Heavy Truck 14,001-33,000 lbs	1.0	0.0	20.0	80.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	3.5	68.6	31.4	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
High school				10.0	5.0	85.0
Racquetball/health				5.0	2.5	92.5
High turnover (sit-down) rest.				5.0	2.5	92.5
General office building				35.0	17.5	47.5
Hospital				25.0	12.5	62.5
Warehouse				2.0	1.0	97.0
General heavy industry				90.0	5.0	5.0

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\mmkaplan\Application Data\Urbemis\Version9a\Projects\SeaGirtBaseline.urb924

Project Name: Sea Girt Baseline

Project Location: California State-wide

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)							

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	8.48	12.49	100.12	0.08	15.26	2.97	8,499.88

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	8.48	12.49	100.12	0.08	15.26	2.97	8,499.88

11/10/2009 12:46:47 PM

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas							
Hearth							
Landscape							
Consumer Products							
Architectural Coatings							
TOTALS (tons/year, unmitigated)							

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Apartments high rise	4.62	6.47	52.64	0.04	7.92	1.54	4,427.17
High school	0.88	1.36	10.68	0.01	1.65	0.32	916.98
High turnover (sit-down) rest.	1.61	2.64	20.74	0.02	3.22	0.63	1,784.88
General office building	1.01	1.53	12.22	0.01	1.87	0.36	1,039.51
Warehouse	0.36	0.49	3.84	0.00	0.60	0.12	331.34
TOTALS (tons/year, unmitigated)	8.48	12.49	100.12	0.08	15.26	2.97	8,499.88

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2011 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Apartments high rise	8.95	5.29	dwelling units	555.00	2,935.95	25,101.49
High school		12.89	1000 sq ft	53.80	693.48	5,246.19
High turnover (sit-down) rest.		127.15	1000 sq ft	10.78	1,370.68	10,221.82
General office building		11.01	1000 sq ft	66.36	730.62	5,919.88
Warehouse		4.96	1000 sq ft	51.78	256.83	1,898.74
					5,987.56	48,388.12

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	48.6	1.0	98.8	0.2
Light Truck < 3750 lbs	10.9	1.8	93.6	4.6
Light Truck 3751-5750 lbs	21.8	0.5	99.0	0.5
Med Truck 5751-8500 lbs	9.6	1.0	99.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.7	0.0	76.5	23.5
Lite-Heavy Truck 10,001-14,000 lbs	0.7	0.0	42.9	57.1
Med-Heavy Truck 14,001-33,000 lbs	1.0	0.0	20.0	80.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	3.5	62.9	37.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
High school				10.0	5.0	85.0
High turnover (sit-down) rest.				5.0	2.5	92.5
General office building				35.0	17.5	47.5
Warehouse				2.0	1.0	97.0

APPENDIX J



State of New Jersey

CHRIS CHRISTIE
GOVERNOR

KIM GUADAGNO
LT. GOVERNOR

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Mail Code 401-04Q
Division of Water Supply & Geoscience
New Jersey Geological and Water Survey Element
Bureau of Water Allocation & Well Permitting
401 E. State Street - P.O. Box 420
Trenton, New Jersey 08625-0420
Tel #: (609) 984-6831 - Fax #: (609) 633-1231
<http://www.nj.gov/dep/watersupply/>

BOB MARTIN
COMMISSIONER

January 13, 2015

NJ Army National Guard Training Center
100 Camp Dr
Sea Girt, NJ 08750
Attn: Charles Appleby

Dear Mr. Appleby:

Re: **Temporary Dewatering Permit - New
Program Interest ID: 1312D
Activity No. DWP140001**

Enclosed is a permit issued pursuant to the Water Supply Management Act, N.J.S.A. 58:1A-1 et seq. This permit becomes effective on January 15, 2015 and is to divert water from wellpoints and trenches in the following Municipality and County:

MUNICIPALITY	COUNTY
Sea Girt Boro	Monmouth

1312D is your Program Interest ID and DWP140001 is your Permit Activity Number, and will appear on all forms and correspondence from the Bureau of Water Allocation & Well Permitting. Reference your Program Interest ID and Activity No. in all correspondence.

Be advised that as you are responsible for complying with the terms and conditions of the enclosed permit you should review them thoroughly. Failure to comply with any or all of the terms and conditions could result in penalties and/or revocation of the permit.

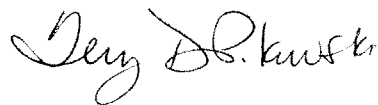
Within 20 calendar days following your receipt of this permit you may submit a request for an adjudicatory hearing to contest the conditions of this permit. Regulations regarding the format and requirements for requesting an adjudicatory hearing may be found in N.J.A.C. 7:19-2.13.

To request a hearing, the permittee must complete the enclosed Tracking Form and supply all the information specified in Part III of the Tracking Form. A copy of the completed, signed and dated Tracking Form, together with all of the information required by Part III of the Tracking Form, including attachments where specified, must be submitted to:

1. Janis Hoagland, Director
New Jersey Department of Environmental Protection
Office of Legal Affairs
P.O. Box 402
Trenton, New Jersey 08625

2. Terry D. Pilawski, Chief
New Jersey Department of Environmental Protection
Mail Code 401-04Q
Division of Water Supply & Geoscience
Bureau of Water Allocation & Well Permitting
P.O. Box 420
Trenton, New Jersey 08625-0420

Very truly yours,



Terry D. Pilawski, Chief
Bureau of Water Allocation & Well Permitting

Enclosure

Certified Mail No.: 7014-1200-0001-6521-0884

C: Bureau of Water Allocation & Well Permitting
Central Bureau of Water Compliance & Enforcement
Chelsea Du Brul, BWAWP



State of New Jersey
 Department of Environmental Protection
 Bureau of Water Allocation
 PO Box 426, Trenton, New Jersey 08625-0426



Temporary Dewatering Permit

The New Jersey Department of Environmental Protection grants this permit* in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents.

Program Interest ID: 1312D Permit Number: DWP140001	Issuance Date: 01/13/2015	Effective Date: 01/15/2015	Expiration Date: 12/31/2016
Name and Address of Applicant NJ ARMY NATIONAL GUARD TRAINING CENTER 100 CAMP DRIVE SEA GIRT, NJ 08750		Location of Activity/Facility Sea Girt Boro Monmouth Type of Permit Temporary Dewatering Permit - New	
		Statute(s) N.J.S.A. 58:1A-1	

This permit grants permission to divert water from the approved sources in the attached permit inventory, in the following municipalities, for the following water uses:

MUNICIPALITY Sea Girt Boro	COUNTY Monmouth	Water Uses: Dewatering-Construction
--------------------------------------	---------------------------	--

This permit is subject to the attached Conditions.

Approved by the authority of:
 Bob Martin, Commissioner
 Department of Environmental Protection

Terry D. Pilawski
 Terry D. Pilawski, Chief
 Bureau of Water Allocation & Well Permitting

1/13/15
 Date

* Permit means Certification, Approval, Registration, Equivalency, etc.

1/13/2015

DEWATERING
STAFF REPORT

In the matter of

Application No. 1312D to temporarily divert water from a series of well points within an excavation in the town of Sea Grit, Monmouth County

New Jersey Army National Guard

In compliance with the provisions of N.J.S.A. 58:1A-1 et seq., the New Jersey Army National Guard, 101 Eggerts Crossing Road, Lawrenceville, NJ 08648, filed an application with the Department of Environmental Protection on December 5, 2014 for approval of plans to divert a maximum of 8.6 million gallons of water during any month (mgm) at a maximum rate of 400 gallons per minute from a series of 2 inch wellpoints less than 11 feet deep. The wellpoints will be located within the excavation at the National Guard Training Center in Sea Girt, NJ.

Diversion is for the purpose of temporary dewatering for construction related activities.

Diversion is in the Coastal Zone.

Public notice was required as this is an application for a new diversion.

No objections were filed upon the notice published on December 27, 2014, in the Asbury Park Press.

Background/Findings of Fact

1. This permit is required as dewatering will continue for 6 months. It is anticipated that dewatering will begin on or about January 2015, and continue until June 2015.
2. The diversion includes numerous wellpoints 0.5 feet to 11 feet deep.
3. According to the applicant's Engineering Report, groundwater is encountered at the site from 0.5 to 5 feet below grade.
4. The ground surface elevations at the site vary from 3 feet to 18 feet above sea level.
5. Excavation at the site will vary from 0.5 feet to 11 feet below grade. Dewatering is expected to occur to a depth of 11 feet below grade.
6. The total length of the project is 3,490 linear feet. The average diversion in gallons of water per foot length of open trench is estimated to be 1,389 gallons/foot.
7. The applicant's estimate of the quantity of water to be diverted monthly is based upon the Engineer's calculations.

8. Other sub-surface diversions within a one quarter mile radius include 18 wells (they are all irrigation wells with the exception of 2900015261 (domestic)). Records indicate that the wells range in depth from 27 feet to 156 feet completed in the Kirkwood formation. These wells include:

Well Permit No.	Owner	Depth (feet)	Capacity (gpm)	Distance from property (feet)
2900004165	Milton Vanderveer	102	60	545
2900010769	Richard Berardi	30	15	105
2900013157	Gammon Technical Products	27	25	635
2900014503	John Dowling	40	25	142
2900015261	Jeff Jarvis	63	12	850
2900019043	William Slowey	156	15	1,000
2900020613	Mike Kubas	27	15	1,211
2900024784	John Shibles	31	25	534
2900026074	John Williams	40	10	100
2900033146	Peter Trentacoste	30	15	287
2900038650	Lawrence Capelli	30	15	600
2900039606	John McWilliams	40	10	1,000
2900047676	National Guard	41	20	Onsite
2900049247	Michael Lahue	110	20	275
2900056976	Manasquan Boro	52	40	534
E201109170	Shawn Feeney	65	15	462
E201114859	Daniel Lago	39	20	896
E201311183	Joan Dooley	55	50	300

9. Public water supply wells within a one-mile radius of the proposed excavation area include the following:

Well Owner	No. of Wells	Depth (feet)	Aquifer	Capacity (gpm)	Distance (miles)
Manasquan Borough Water Department	4	112-121.58	Kirkwood	268-1015	4,357-4,683
Sea Girt Borough Water Dept	3	123-715	Kirkwood Englishtown	420-940	2,255-2,674

10. According to the applicant there are 9 potential pollution sites known to be located within a one-quarter mile radius of the dewatering activity. These include:

Name of Source	Distance (feet)
US Spirit	0
White Swan Laundry and Cleaner	0
Lukoil#57209	615
Manasquan Maintenance Yard	766
Sea Girt Armory & OMS	1,022
Sprint Cablehead	1,078
Sunoco S/S #0007-6919	1,167
Howards Heights Auto	1,240
Manasquan Board of Ed	1,356

- Water will be discharged to the irrigation system onsite. The discharge will be measured by an inline flow meter.

While the water onsite is contaminated with PCE, the approved discharge will be upgradient, in an area with higher concentrations of PCE.

- There are freshwater wetlands located within the radius of influence of the diversion. The Bureau of Freshwater Wetlands has been notified of the proposed diversion.

Staff Analysis

- The monthly allocation was based upon estimates contained in the application and accompanying Engineer's Report.
- Issuance of this permit at the recommended rates will allow for the safe and proper construction of a new training center building for the NJ National Guard. Historically the Department has viewed local governmental approval of a project as signifying that it is in the public interest. Therefore the proposed diversion is considered to be in the public interest in accordance with N.J.A.C. 7:19-2.3(g)1.
- Based upon the expected maximum withdrawal rate, the characteristics for an unconfined aquifer, and the limits of dewatering, the zone of influence is expected to extend less than 10 feet below grade and less than 400 feet from the dewatering activity.

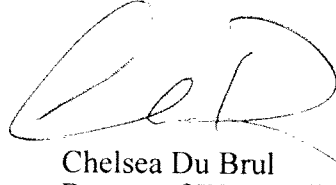
Given this and the fact that the diversion is temporary in nature the diversion is just and equitable to other water users in accordance with N.J.A.C. 7:19-2.3(g)2.

- As the diversion is temporary in nature, it is not expected to exceed the long term natural replenishment of groundwater in the area, or adversely affect any river or stream in accordance with N.J.A.C. 7:19-2.3(g)3.
- The diversion is not expected to contribute to the spread of groundwater pollution, because the only pollution within the radius of influence is onsite. As stated above, the water will be discharged to an area with higher concentrations of PCE.

Recommendations

Issuance of the permit is recommended with an expiration date of December 31, 2016, subject to the attached specific conditions:

Date: 1/13/15



Handwritten signature of Chelsea Du Brul, with a date stamp '1/13/15' written above it.

Chelsea Du Brul
Bureau of Water Allocation & Well
Permitting

**NJ ARMY NATIONAL GUARD TRAINING CENTER
1312D**

Temporary Dewatering Permit : DWP140001

Permit Inventory

Water Diversion Sources - Water may be diverted under this permit from the following sources:

Source Designation (Well Permit No. or Intake No.)	Description	Subject Item ID
INTAKE 1	WELL POINTS & TRENCHS	WSRM0001105766

Group Subject Items - The following items are grouped sources for the purpose of setting permit requirements outlined in this document:

Group Designation	Group Description	Group Subject Item ID	Group Members
NJ ARMY NATIONAL GUARD TRAINING CENTER	TEMP DEW - ALL DIVERSION SOURCES	WSWA0001105767	INTAKE 1, WELL POINTS & TRENCHS (WSRM1105766)

NJ ARMY NATIONAL GUARD TRAINING CENTER
1312D

Temporary Dewatering Permit : DWP140001

Permit Requirements

Limit Requirements

The following limits apply and are the maximum permitted allocation:

Final Permit Phase from 01/15/2015 -

Subject Item	Parameter	Limit
NJ ARMY NATIONAL GUARD TRAINING CENTER, TEMP DEW - ALL DIVERSION SOURCES (WSWA1105767)	Maximum Diversion Rate	<= 400 Gallons Per Minute. [N.J.A.C. 7:19- 2]
	Water Diverted	<= 8.6 Million Gallons Per Month. [N.J.A.C. 7:19- 2]

Other Limit Requirements

Final Permit Phase from 01/15/2015 -

Subject Item	Parameter	Limit
INTAKE 1, WELL POINTS & TRENCHS (WSRM1105766)	Rated Pump Capacity	<= 400 Gallons Per Minute. [N.J.A.C. 7:19- 2]

Monitoring Requirements

Final Permit Phase from 01/15/2015 -

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
INTAKE 1, WELL POINTS & TRENCHS (WSRM1105766)	The monthly diversion for each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter

**NJ ARMY NATIONAL GUARD TRAINING CENTER
1312D**

Temporary Dewatering Permit : DWP140001

Record Keeping Requirements

Final Permit Phase from 01/15/2015 -

Subject Item	Requirement	Frequency	Monitored Parameter	Record Keeping Method
NJ ARMY NATIONAL GUARD TRAINING CENTER, TEMP DEW - ALL DIVERSION SOURCES (WSWA1105767)	A log book of month end meter readings for each diversion source shall be maintained on site. [N.J.A.C. 7:19- 2]	Each Month	Meter Reading	Log Book

Submittal/Action Requirements

Final Permit Phase from 01/15/2015 -

Applicable Subject Items	Submittal/Action Type	Requirement
INTAKE I, WELL POINTS & TRENCHS (WSRM1105766)	Submit Dewatering Quarterly Report	The required monitoring results shall be recorded on the form provided by the Department. The completed form shall be submitted within 30 days after the end of each quarter. [N.J.A.C. 7:19- 2]
NJ ARMY NATIONAL GUARD TRAINING CENTER, TEMP DEW - ALL DIVERSION SOURCES (WSWA1105767)	Submit Dewatering Completion Report	The permittee shall submit a completion report including the date the project was completed and abandonment reports for all wells and/or wellpoints used. The completed report shall be submitted within 60 days of completion of the project. [N.J.A.C. 7:19- 2]
NJ ARMY NATIONAL GUARD TRAINING CENTER, TEMP DEW - ALL DIVERSION SOURCES (WSWA1105767)	Submit Renewal Application	A renewal application must be submitted three months prior to the expiration date. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

NJ ARMY NATIONAL GUARD TRAINING CENTER, TEMP DEW - ALL DIVERSION SOURCES (WSWA1105767)

1. The permittee shall investigate any complaints by users of wells or surface water supplies which become damaged, dry, have reduced capacity, reduced water quality or are otherwise rendered unusable as a result of the permittee's dewatering operations. A report on these investigations shall be forwarded to the Bureau of Water Allocation and Well Permitting. Those wells or surface water supplies which become damaged, dry, have reduced capacity, reduced water quality or are otherwise rendered unusable as a result of the dewatering operation shall be repaired or replaced at the expense of the permittee. The permittee shall assume financial responsibility for the reparation, or replacement and sealing of such wells which have been rendered unusable and have been abandoned by the owner in accordance with N.J.S.A. 58:4A-4.1. The Department of Environmental Protection will make the final determination regarding the validity of such complaints and will determine how to resolve any problems resulting from the diversion. [N.J.A.C. 7:19- 2]
2. The permittee shall have a contingency plan in place to temporarily supply potable water in the event that the diversion adversely impacts the water supply of other users. [N.J.A.C. 7:19- 2]

**NJ ARMY NATIONAL GUARD TRAINING CENTER
1312D**

Temporary Dewatering Permit : DWP140001

Text Requirements

All Phases

NJ ARMY NATIONAL GUARD TRAINING CENTER, TEMP DEW - ALL DIVERSION SOURCES (WSWA1105767)

3. The total diversion shall be metered with a totalizing flow meter. [N.J.A.C. 7:19- 2]
4. All wells and points shall be examined after use and properly sealed in accordance with N.J.A.C. 7:9D-3.1 et seq. [N.J.A.C. 7: 9D- 3]
5. The Department may modify, suspend or terminate this permit, after due process, for violations of permit conditions, N.J.S.A. 58:1A-1, N.J.A.C. 7:19-1 et seq., any orders issued by the Department, or when in the public interest. [N.J.A.C. 7:19- 2]
6. The permittee is subject to such initial, modification and annual fees as may be prescribed by the regulations. [N.J.A.C. 7:19- 3]
7. The permittee shall have the right to apply at any time for modification of this permit by submission of the appropriate application forms. [N.J.A.C. 7:19- 2]
8. The permittee may informally discuss the terms and conditions of this permit at any time with the Bureau of Water Allocation and Well Permitting. [N.J.A.C. 7:19- 2]
9. This permit is revocable, or subject to modification or change at any time, pursuant to the applicable regulations, when in the judgement of the Department of Environmental Protection of the State of New Jersey such revocation, modification or change shall be necessary. [N.J.A.C. 7:19- 2]
10. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application. [N.J.A.C. 7:19- 2]
11. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey. [N.J.A.C. 7:19- 2]
12. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:19- 2]
13. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approval and permits have been obtained. [N.J.A.C. 7:19- 2]
14. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any authorized Department representative. [N.J.A.C. 7:19- 2]
15. The Department has the right to enter and inspect any site, building, or equipment, or any portion thereof, owned or operated by the permittee, at any time, in order to ascertain compliance or noncompliance with N.J.S.A. 58:1A-1 et seq., 58:4A-4.1 et seq., 58:12A-1 et seq., these rules, or any other agreement or order issued or entered into pursuant thereto. Such right shall include, but not be limited to, the right to require the testing of any equipment at the facility, to sketch or photograph any portion of the site, building or equipment, to copy or photograph any document or records necessary to determine such compliance or noncompliance, and to interview any employees or representative of the owner, operator, or permittee. Such right shall be absolute and shall not be conditioned upon any action by the Department, except the presentation of appropriate credentials as requested and compliance with appropriate standard safety procedures. [N.J.A.C. 7:19- 2]
16. This permit may be transferred, with the consent of the Department, but only for the identical use of the waters. [N.J.A.C. 7:19- 2]
17. If the authorized diversion privileges are not currently diverted, subject to contract, or reasonably required for a demonstrated future need, they shall revert back to the State upon renewal or modification of the permit. [N.J.A.C. 7:19- 2]
18. The permittee shall protect each source from vandalism, tampering, and contamination at all times. [N.J.A.C. 7:19- 2]
19. This permit shall expire as indicated on the permit approval cover page. [N.J.A.C. 7:19- 2]

**Administrative Hearing Request Checklist
And Tracking Form for Permits**

1. Permit Being Appealed:

Title and Type of Permit

Issuance Date of Permit

Permit Number

2. Person Requesting Hearing:

Name/Company

Name of Attorney (if applicable)

Address

Address of Attorney

3. The following information must be included with the request:

- a. The date the permittee received the final permit;
- b. A copy of permit with a list of all permit conditions and issues contested;
- c. The legal and factual questions at issue;
- d. A statement as to whether or not the permittee raised each legal and factual issues during the public comment period of the permit;
- e. Suggested revised or alternative permit conditions;
- f. An estimate of the time required for the hearing;
- g. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
- h. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's processing of the hearing request to the Office of Administrative Law; and
- i. This form, completed with all of the information listed above, signed, and dated, including attachments, to:
 - i. Office of Legal Affairs
ATTENTION: Adjudicatory Hearing Requests
Department of Environmental Protection
401 East State Street
P.O. Box 402
Trenton, New Jersey 08625-0402
 - ii. Terry D. Pilawski, Chief
Mail Code 401-04Q
Division of Water Supply & Geoscience
Bureau of Water Allocation & Well Permitting
P.O. Box 420
Trenton, New Jersey 08625
 - iii. All co-permittees (w/attachments)

4. Signature: _____ Date: _____

SECTION 31 23 19 - DEWATERING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes construction dewatering.
- B. Related Requirements:
 - 1. Section 31 20 00 "Earth Moving" for excavating, backfilling, site grading, and controlling surface-water runoff and ponding.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Verify availability of Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 2. Review condition of site to be dewatered including coordination with temporary erosion-control measures and temporary controls and protections.
 - 3. Review geotechnical report.
 - 4. Review proposed site clearing and excavations.
 - 5. Review existing utilities and subsurface conditions.
 - 6. Review observation and monitoring of dewatering system.

1.3 ACTION SUBMITTALS

- A. Shop Drawings: For dewatering system, prepared by or under the supervision of a qualified professional engineer.
 - 1. Include plans, elevations, sections, and details.
 - 2. Show arrangement, locations, and details of wells and well points; locations of risers, headers, filters, pumps, power units, and discharge lines; and means of discharge, control of sediment, and disposal of water.
 - 3. Include layouts of piezometers and flow-measuring devices for monitoring performance of dewatering system.
 - 4. Include written plan for dewatering operations including sequence of well and well-point placement coordinated with excavation shoring and bracings and control procedures to be adopted if dewatering problems arise.
 - 5. For permitting purposes only, dewatering plan shall include estimated maximum gallons per day (GPD) for dewatering NJDEP permit regulations requirements.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer, land surveyor and professional engineer.
- B. Field quality-control reports.
- C. Existing Conditions: Using photographs or video recordings, show existing conditions of adjacent construction and site improvements that might be misconstrued as damage caused by dewatering operations. Submit before Work begins.
- D. Record Drawings: Identify locations and depths of capped wells and well points and other abandoned-in-place dewatering equipment.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer that has specialized in design of dewatering systems and dewatering work.

1.6 FIELD CONDITIONS

- A. Project-Site Information: A geotechnical report has been prepared for this Project and is available for supplemental, non-binding, information only. The opinions expressed in this report are those of a geotechnical engineer and represent interpretations of subsoil conditions, tests, and results of analyses conducted by a geotechnical engineer. Owner is not responsible for interpretations or conclusions drawn from this data.
 - 1. Make additional test borings, test samplings, and conduct all other required exploratory operations necessary for dewatering according to the performance requirements.
- B. Survey Work: Engage a qualified land surveyor or professional engineer to survey adjacent existing buildings, structures, and site improvements; establish exact elevations at fixed points to act as benchmarks. Clearly identify benchmarks and record existing elevations.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Dewatering Performance: Design, furnish, install, test, operate, monitor, and maintain dewatering system of sufficient scope, size, and capacity to control hydrostatic pressures and to lower, control, remove, and dispose of ground water and permit excavation and construction to proceed on dry, stable subgrades.
 - 1. Design dewatering system, including comprehensive engineering analysis by a qualified professional engineer licensed in the State of New Jersey.

2. Continuously monitor and maintain dewatering operations to ensure erosion control, stability of excavations and constructed slopes, prevention of flooding in excavation, and prevention of damage to subgrades and permanent structures.
 3. Prevent surface water from entering excavations by grading, dikes, or other means.
 4. Accomplish dewatering without damaging existing buildings, structures, and site improvements adjacent to excavation.
 5. Due to existing groundwater contamination, do not discharge groundwater collected by dewatering operations to existing drainage inlets or surface water. All groundwater removed by dewatering operations shall be recharged to the Sea Girt National Guard Training Center (NGTC) parade field area located upgradient from the dewatering location to an area of higher groundwater contamination as identified by the United States Environmental Protection Agency National Priorities List White Swan Site (site data at <http://www.epa.gov/region2/superfund/npl/whiteswan/>) and in accordance with the rules and regulations of the New Jersey Department of Environment Protection (NJDEP) and all applicable State and Federal environmental laws and regulations. Spray irrigation shall be applied directly to the NGTC parade field and shall avoid being directly discharged onto any adjacent structures and paved surfaces. The collected groundwater shall discharge onto the NGTC parade field at a rate which allows for infiltration into the ground and does not create erosive conditions, accumulate on the parade field or flow offsite.
 6. Remove dewatering system when no longer required for construction.
- B. Regulatory Requirements: Comply with governing EPA & NJDEP notification regulations before beginning dewatering. Comply with water- and debris-disposal regulations of authorities having jurisdiction. Contractor shall obtain and pay for all applicable regulatory permits associated with all described tasks for dewatering.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by dewatering operations.
1. Prevent surface water and subsurface or ground water from entering excavations, from ponding on prepared subgrades, and from flooding site or surrounding area.
 2. Protect subgrades and foundation soils from softening and damage by rain or water accumulation.
- B. Install dewatering system to ensure minimum interference with roads, streets, walks, and other adjacent occupied and used facilities.
1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Contracting Officer and authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by authorities having jurisdiction.

- C. Provide temporary grading to facilitate dewatering and control of surface water.
- D. Protect and maintain temporary erosion and sedimentation controls, which are specified in Section 01 50 00 "Temporary Facilities and Controls," during dewatering operations.

3.2 INSTALLATION

- A. Install dewatering system utilizing wells, well points, or similar methods complete with pump equipment, standby power and pumps, filter material gradation, valves, appurtenances, and surface-water controls.
 - 1. Space well points or wells at intervals required to provide sufficient dewatering.
 - 2. Use filters or other means to prevent pumping of fine sands or silts from the subsurface.
- B. Place dewatering system into operation to lower water to specified levels before excavating below ground-water level.
- C. Provide sumps, sedimentation tanks, and other flow-control devices as required by authorities having jurisdiction.
- D. Provide standby equipment on-site, installed and available for immediate operation, to maintain dewatering on continuous basis if any part of system becomes inadequate or fails.

3.3 OPERATION

- A. Operate system continuously until drains, sewers, and structures have been constructed and fill materials have been placed or until dewatering is no longer required.
- B. Operate system to lower and control ground water to permit excavation, construction of structures, and placement of fill materials on dry subgrades. Drain water-bearing strata above and below bottom of foundations, drains, sewers, and other excavations.
 - 1. Do not permit open-sump pumping that leads to loss of fines, soil piping, subgrade softening, and slope instability.
 - 2. Reduce hydrostatic head in water-bearing strata below subgrade elevations of foundations, drains, sewers, and other excavations.
 - 3. Maintain piezometric water level a minimum of 6 inches below bottom of excavation for utility lines only. Maintain piezometric water level a minimum of 24 inches below bottom of excavation for all other structures and foundations.
- C. Dispose of water removed by dewatering in a manner that avoids endangering public health, property, and portions of work under construction or completed. Dispose of water and sediment in a manner that avoids inconvenience to others.
- D. Potential groundwater contaminants to include but not limited to: perchloroethylene (PCE), trichloroethene (TCE), and cis-1, 2-dichloroethylene (cis-1,2-DCE) may exist within the project site. Prior to any dewatering, Contractor shall perform test samplings to confirm contamination

levels. Test sample frequency shall be in conformance with applicable State and Federal authorities having jurisdiction. If the tested samples are above the allowable maximum contaminant levels (MCL's), all water removed by dewatering shall not be discharged to storm or sanitary sewer system, any body of water, or existing grade without treatment per requirements as indicated in 312319, Section 2.1.A.5.

- E. Remove dewatering system from Project site on completion of dewatering. Abandon all wells in accordance with applicable NJDEP regulations and guidelines; all work to be performed by NJDEP approved licensed professionals.

3.4 FIELD QUALITY CONTROL

- A. Observation Wells: Provide observation wells or piezometers, take measurements, and maintain at least the minimum number indicated; additional observation wells may be required by authorities having jurisdiction.
 - 1. Observe and record daily elevation of ground water and piezometric water levels in observation wells.
 - 2. Repair or replace, within 24 hours, observation wells that become inactive, damaged, or destroyed. In areas where observation wells are not functioning properly, suspend construction activities until reliable observations can be made. Add or remove water from observation-well risers to demonstrate that observation wells are functioning properly.
 - 3. Fill observation wells, remove piezometers, and fill holes when dewatering is completed in accordance with requirements in accordance with Section 3.3.E within this Specification Section.
- B. Survey-Work Benchmarks: Resurvey benchmarks regularly during dewatering and maintain an accurate log of surveyed elevations for comparison with original elevations. Promptly notify Contracting Officer if changes in elevations occur or if cracks, sags, or other damage is evident in adjacent construction.
- C. Provide continual observation to ensure that subsurface soils are not being removed by the dewatering operation.
- D. Prepare reports of observations.

3.5 PROTECTION

- A. Protect and maintain dewatering system during dewatering operations.
- B. Promptly repair damages to all adjacent facilities and all damaged areas (to include but not limited to: asphalt / concrete roadways, sidewalks, curbing, walls, landscaping, etc) caused by dewatering.

END OF SECTION 31 23 19

From: [Glenn Donohue](mailto:Glenn_Donohue@brinkenv.com)
To: "[Daniel J. McLaughlin](mailto:Daniel.J.McLaughlin@dep.state.nj.us)"
Subject: FW: NJANG Sea Girt dewatering of construction footings
Date: Monday, September 15, 2014 9:11:35 AM

FYI

Glenn Donohue
gdonohue@brinkenv.com

From: Appleby, Charles M CIV (US) [mailto:charles.m.appleby.civ@mail.mil]
Sent: Friday, September 12, 2014 1:00 PM
To: Lyons, Michael A COL USARMY NG NJARNG (US); 'Linda.Croteau@dmava.nj.gov'; 'William.Garron@dmava.nj.gov'; 'Troylene.Ladner@dmava.nj.gov'; 'David.Everett@jacobs.com'; 'gdonohue@brinkenv.com'; 'William.McBride@njdmava.state.nj.us'; 'danielm@dobcogroup.com'; 'Jeffrey.Varitek@jacobs.com'
Subject: Fw: NJANG Sea Girt dewatering of construction footings

All

Attached is the njdep response to the dewatering plan. You all have different reasons for having this and I wanted to distribute asap.

Please call me with any issues or concerns.

It is my wish that the milcon and sandy projects will proceed forward without further delay.

Regards

Chuck appleby

From: Phil Cole [mailto:Phil.Cole@dep.nj.gov]
Sent: Friday, September 12, 2014 12:33 PM
To: Appleby, Charles M CIV (US)
Subject: NJANG Sea Girt dewatering of construction footings

Mr. Appleby,

I note that the email from Daniel C. Leandri, Pennoni Associates Inc., to USEPA initially queried if the groundwater removed for dewatering excavations could go to an off-site non-RCRA disposal facility. Based on the analytical data and source of contamination information provided to Ms. Sadira Robles, USEPA R2, off-site management of the water would be a RCRA regulated waste.

However, the groundwater management practices that you and I discussed, and as presented in the "Site-wide Dewatering Plan, New Jersey Army National Guard Regional Training Institute" is also an acceptable management option. NJANG has proposed to manage the groundwater on-site and not dispose of the water off-site.

There are several provisions that allow for the management of these materials as proposed by NJANG, and approved by this office. As noted in the USEPA guidance document "Management of Remediation Waste Under RCRA", the Area of Contamination (AOC) Policy was first articulated in the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The AOC policy allows remediation wastes (such as the contaminated groundwater) to be managed within the AOC. Provided that the wastes are not treated ex-situ of the AOC, the management does not create a new point of hazardous waste generation for purposes of RCRA.

I also note that recycled groundwater is afforded the RCRA Section 3020(b) “Exemption for ReInjection of Contaminated Ground Water” (under certain circumstances which are applicable with this proposed project). Both of these options as well as other management practices for environmental media are discussed in the EPA guidance document at:

http://www.epa.gov/epawaste/hazard/correctiveaction/resources/guidance/remwaste/pspd_mem.pdf

Accordingly, the NJANG may irrigate the parade field with the water generated from construction dewatering, in accordance with the submission titled: Site-wide Dewatering Plan, New Jersey Army National Guard Regional Training Institute (Dated July 11, 2014).

Regards,

Phil Cole

Philip Cole
DOD Remediation Coordinator
NJDEP – Site Remediation Program
401 East State Street
Mail Code: 401-05F
P. O. Box 420
Trenton, N.J. 08625-0420
(609) 292-0395

APPENDIX K



FREEHOLD SOIL CONSERVATION DISTRICT
(Serving Middlesex and Monmouth Counties)

4000 Kozloski Road, P.O. Box 5033
Freehold, New Jersey 07728-5033
Tel: (732) 683-8500
Fax: (732) 683-9140
E-mail: info@freeholdscd.org
Website: www.freeholdscd.org
5/7/15

NEW JERSEY ARMY NATIONAL GUARD
101 EGGERTS CROSSING
ATTN: CHARLES M. APPLEBY
LAWRENCEVILLE NJ 08648

Ref.#: 2014-0672
Proj.: NJARNG SUPERSTORM SANDY
Twp. : SEA GIRT
Block: 85
Lots : 1

CERTIFICATION LETTER

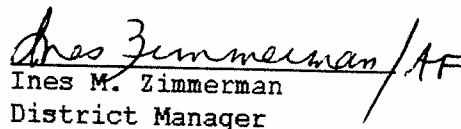
Pursuant to the New Jersey Soil Erosion and Sediment Control Act; N.J.S.A. 4:24-39 et. seq., Chapter 251, P.L. 1975 and as amended by C. 264, P.L. 77 and C. 459, P.L. 79, the Freehold Soil Conservation District hereby grants certification of the soil erosion and sediment control plan for the above referenced project, subject to the following:

1. That the applicant carries out all land disturbance activities in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey, promulgated by the State Soil Conservation Committee.
2. The owner/applicant must obtain a District issued Report of Compliance prior to the issuance of any Certificates of Occupancy by the municipality.
3. Changes in the certified plan relating to, or that will affect land disturbance on the site, must be submitted to the District office for certification.
4. The owner / applicant must notify the District forty-eight (48) hours prior to any land disturbing activity.

A copy of the certified plan must be kept on the job site at all times.

This plan certification is valid for 3 ½ years (**valid until 11/7/2018**) and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless the municipality or other controlling agency has previously approved such use. Failure to comply with the above conditions may result in the issuance of a **STOP CONSTRUCTION ORDER**.

Sincerely,


Ines M. Zimmerman
District Manager

cc: Planning Board
Construction Official
Municipal Engineer
Applicant's Engineer



New Jersey Natural Resources
Conservation Program

FREEHOLD SOIL CONSERVATION DISTRICT

(Serving Middlesex and Monmouth Counties)

4000 Kozloski Road, P.O. Box 5033

Freehold, New Jersey 07728-5033

Tel: (732) 683-8500

Fax: (732) 683-9140

E-mail: info@freeholdscd.org

Website: www.freeholdscd.org

NEW JERSEY ARMY NATIONAL GUARD
101 EGGERTS CROSSING
ATTN: CHARLES M. APPLEBY
LAWRENCEVILLE NJ 08648

5/7/2015

Ref.#: 2014-0672

Proj.: NJARNG SUPERSTORM SANDY

Twp. : SEA GIRT

Block: 85

Lots : 1

Acres: 10.55

SCD Certification Code: **CK2KBZ520B**

Dear NEW JERSEY ARMY NATIONAL GUARD

The project referenced above requires an authorization to discharge stormwater be obtained under NJ Pollutant Discharge Elimination System (NJPDES), Stormwater Construction General Permit No. NJG0088323 (5G3) pursuant to N.J.A.C. 7:14-1.2 prior to beginning construction. It is required that you submit a Request for Authorization (RFA) and process payment electronically utilizing the NJ Department of Environmental Protection (NJDEP) Stormwater Construction Activity E-Permitting System.

In order to access the E-Permitting system, you must first become a registered user of NJDEP online at <http://www.nj.gov/dep/online>. A certification PIN will be generated and e-mailed to you. Once registered, you may file for a RFA online on the screen titled "SCD Certified Plan" by entering the reference number and the SCD certification code provided above. Please note: the certification code is case sensitive.

If you have any questions regarding this information or any other aspect of the E-Permitting system, please contact Daniel Kuti, NJDEP Bureau of Nonpoint Pollution Control at (609) 633-7021 or via email at PortalComments@dep.state.nj.us

FREEHOLD SOIL CONSERVATION DISTRICT

Silt Fence Bulletin

The Standards for Soil Erosion and Sediment Control in New Jersey require that silt fence used on projects certified after July 1999 meet the following criteria:

- ★ Have reinforced drawstring (*See detailed requirements on reverse*)
- ★ Have posts with a minimum diameter of 1½ inches spaced 8' or closer
- ★ Fabric must be buried 6" below ground with a minimum of 2' above ground

Silt Fence Vendors*

**This list is provided for informational purposes only and does not imply that Freehold Soil Conservation District endorses the vendor nor the vendor's products.*

Erosion Control Technologies

3380 Rt. 22
Somerville NJ 08876
(908) 707-0800
www.erosioncontroltech.com

Gamka Sales

983 New Durham Road
Edison, NJ 08817
(732) 248-1400
www.gamka.com

Pinelands Nursery & Supply

323 Island Road
Columbus, NJ 08022 (609) 291-9149
(800) 667-2729
www.pinelandsnursery.com

Clayton Block

515 Route 528
Lakewood, NJ 09701
(732)905-3164
www.claytonco.com

Reed & Perrine

PO Box 100, Main St.
Tennent, NJ 07763
(732) 446-6363

Site Co Materials

PO Box 2043
Ocean, NJ 07712
(732) 938-9099

Thompson Materials

15 Leslie Court
Whippany, NJ 07981
(973) 386-1400

New Life Farm Built

Ben Pagano
Folsom, NJ 08037
(609) 567-4760

Eastcoast Site Work

22 South Hope Chapel Rd.
Jackson, NJ 08527
(732) 370-0291

Freehold Soil Conservation District
4000 Kozloski Rd., Freehold, NJ 07728 (732)-683-8500
Email: info@freeholdscd.org
www.freeholdscd.org

Requirements for Silt Fence:

1. Fence posts shall be spaced 8 feet center-to-center or closer. They shall extend at least 2 feet into the ground and extend at least 2 feet above ground (Fig. 25-2). Posts shall be constructed of hardwood with a minimum diameter thickness of 1½ inches.
2. A metal fence with 6 inch or smaller openings and at least 2 feet high may be utilized, fastened to the fence posts, to provide reinforcement and support to the geo-textile fabric where space for other practices is limited and heavy sediment loading is expected.
3. A geo-textile fabric, recommended for such use by the manufacturer, shall be buried at least 6 inches deep in the ground. The fabric shall extend at least 2 feet above the ground. The fabric must be securely fastened to the posts using a system consisting of metal fasteners (nails or staples) and a high strength reinforcement material (nylon webbing, grommets, washers etc.) placed between the fastener and the geo-textile fabric. The fastening system shall resist tearing away from the post. The fabric shall incorporate a drawstring in the top portion of the fence for added strength.

(Figure not to scale)

