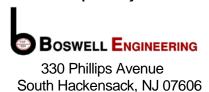
Borough of Oakland Wastewater Management Plan

Amending the following Areawide Water Quality Management Plans; Northeast WQMP

Date of Current Submittal: <u>January 2nd, 2018</u>
Approved by the New Jersey Department of Environmental Protection: _____

Prepared By:



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I. Wastewater Management Planning Area

Introduction

The Borough is seeking the approval of a Wastewater Management Plan amendment to allow for a practical means to provide a central sewer system, which will coincide with the adoption of the Septic Management Ordinance as a condition of the approval. This approach would provide a platform to extend the sanitary collection system into the proposed area while also initiating stricter water quality regulations on individual disposal systems in areas outside of the proposed sewer service area. The Borough estimates a 20 year-buildout of a sanitary collection system within the Highlands Planning Area will result in a maximum of 477,042 GPD of flow being directed into a sanitary sewer system.

The purpose of this document is to provide a comprehensive Wastewater Management Plan for the Borough of Oakland, pursuant to the newest Water Quality Management Planning rules, adopted October 6, 2016 and published in the New Jersey Register on November 7, 2016. The Wastewater Management Plan has been submitted to the New Jersey Department of Environment Protection for approval via the plan amendment procedure at N.J.A.C. 7:15-3.

Wastewater Management Planning Area

This plan outlines the anticipated wastewater management needs for the Borough. The Plan is based upon data compiled from current Borough sewer policies, existing wastewater treatment facilities and their service areas, and proposed developments pending before the Borough land use boards. Current zoning and existing land use have been utilized to determine the future of wastewater disposal needs.

The Borough is located along the northwestern boundary of Bergen County, New Jersey. Oakland is bordered on the west by the Borough of Wanaque, on the north by the Township of Mahwah, on the east by the Borough of Franklin Lakes and on the south by the Township of Pompton Lakes.

The overall land area of Oakland is approximately 8.782 square miles with a population of approximately 12,754 according to the 2010 US Census.

The Borough owns and operates three (3) small Wastewater Treatment Plants (WTPs) serving 258 residential units. These Borough-owned facilities include Skyview-Hibrook WTP, Chapel Hill WTP and Oakwood Knolls WTP. The local board of education owns an additional WTP servicing the Indian Hills Regional High School. There are also 25 privately owned WTPs operating in the Borough at this time. Additionally, there are approximately 3,000 commercial and residential properties throughout the Borough served by individual septic systems. These systems have experienced significant problems relating to water quality. The Borough has actively sought a long-term solution to these problems and determined a central sanitary sewer system is necessary.

The existing septic systems throughout the Borough are failing. Available records indicate that the systems are past their useful life and no permits have been issued to replace the systems. Failing septic systems may leak excessive nutrients into groundwater and may have an impact on nearby surface waters. Below is a summary of the findings of the study (Map is in Appendix C):

TABLE 1.1: Septic System Study Findings

Neighborhood	Number of Systems Reviewed	Number of Cesspools	Percentage of Non- Compliance
Campgaw	66	22	91%
College Streets	81	55	86%
Crystal Lake	106	49	90%
Dogwood	79	27	85%
Downtown	42	27	93%
Heights	65	38	94%
Indian Hills	71	33	87%
Industrial Park	58	21	90%
Longhill	51	6	84%
Manito	67	37	90%
Mirror Lake	78	26	88%
Muni & Rec	46	11	87%
Potash Lake	27	1	93%
Pleasureland	145	26	98%
Industrial	24	8	86%
Ramapo Res.	sewered	-	-
Ramapo River	66	25	91%
Skyline	34	11	91%
W. Oakland Ave	83	22	95%
TOTAL:	1,189	445	90%
			(AVG)

Many of the septic systems, which were designed in the 1950's through the 1980's, fail to meet the latest NJDEP "Standards for Individual Subsurface Sewage Disposal Systems" last revised April 2, 2012 (N.J.A.C. 7:9A). In addition, the septic systems are located on lot sizes that do not conform to the average lot size per septic system by Land Use Capability Zone as dictated by Highlands. Further, there are at least 445 septic systems with known cesspools and no repair date on file with Oakland's Health Department. Since critical requirements from both regulatory agencies are not being met and prevalent failures are occurring Borough-wide, the importance and need for a central sanitary sewer system becomes readily apparent.

The complete results of our septic system study are outlined in Section III.

Status of Previous Approved Local WMPs

The last Wastewater Management Plan for the Borough that was approved by the DEP was dated 1990.

II. Summary of Actions

Sewer Service Area Delineation Criteria

The criteria utilized to delineate the sewer service area included an evaluation of the existing WTPs and failing septic systems. The proposed sewer service area is the portion of the Borough tributary to the failing Borough owned WTPs, the surrounding areas and the Borough's downtown corridor. By installing sewers in the downtown area, it will permit the Borough to implement the goals of its Master Plan and allow for limited re-development of its downtown corridor.

The WTPs owned by the Borough require significant capital investment to effectively operate now and in the near future. The lack of a sanitary collection/treatment system has also adversely affected both the water quality and redevelopment patterns of the downtown and nearby residential areas.

The proposed sewer service area boundaries were developed to avoid including properties located in the Highlands Preservation Area, which are restricted by the Highlands Act. The proposed sewer service area was modified based on comments from the NJDEP and Highlands Council to ensure compliance with the following regulations.

According to the requirements of N.JA.C. 7:38-3.3, any new discharge that would require an individual or general NJPDES permit and any extension of a sewer line that requires a Treatment Works Approval is prohibited within the preservation area unless the development in the preservation area satisfies any one of the following criteria:

- 1. Is exempt from the Highlands Act pursuant to N.J.A.C. 7:38-2.3 and consistent with the applicable areawide WQMP;
- 2. Qualifies for an emergency HPAA pursuant to N.J.A.C. 7:38-7; or
- 3. Qualifies for an HPAA with waiver in accordance with N.J.A.C. 7:38-6.

Eligible Sewer Service Areas

The term "Eligible for sewer service area" means areas determined to meet the criteria for designation as sewer service in accordance with N.J.A.C. 7:15-4.4, and are identified as "Assigned sewer service area," differentiating between areas that currently convey sewage to each existing facility and that which is proposed to convey sewage to each existing or proposed facility; or "Unassigned sewer service area," which are areas mapped for future sewer service with no designated treatment facility.

The area of the current sewer service area is approximately 337 acres. The new sewer service area (SSA) will be approximately 1,107 acres. Ramapo River Reserve, which is 189 acres, will continue to utilize the existing WTP and Bi-County Tract, (84 acres), pursuant to court order, will convey its flow to the Township of Wayne.

The proposed sewer service area is delineated on Map 1 in Appendix B. A summary of the permitted facilities, which are to be included in the SSA are described in Section III of this report.

Environmentally Sensitive Areas

Under the WQMP rules, large contiguous environmentally sensitive areas, or "ESAs," defined as 25 acres or larger consisting of habitat for Threatened and Endangered Species as identified on the Landscape Project Maps of Habitat for Endangered, Threatened or Other Priority Species, Natural Heritage Priority Sites, Category One special water resource protection areas, and wetlands, alone or in combination, should be excluded from areas eligible for sewer service.

The only environmentally sensitive area 25 acres or larger found within the proposed sewer service area is Crystal Lake with an area of 25.15 acres; therefore, it was removed from the proposed sewer service area. Only the residential zones surrounding the lake were left within the proposed sewer service area due to the number of failing septic systems.

Sewer Service in the Highlands

The existing sewer service area includes all NJPDES permitted wastewater treatment facilities within the Borough, whether discharging to surface or ground water as illustrated on Map 3A. The currently proposed sewer service area falls entirely within the Highlands planning area and does not extend into the Highlands preservation area, with the exception of the Bi-county tract which the Department determined to be exempt from the Highlands Act under N.J.S.A 13:20-28(a)(17).

Septic System Development within the Sewer Service Areas

As the sanitary sewer system is built out throughout the Borough, all existing properties in the proposed sewer service area, which currently utilize septic systems, will have 36 months to connect to the new system. The Borough will pass an ordinance mandating the connection to the new sewer system.

Non-Sewer Service Areas

All properties in the Borough will be subject to a septic maintenance program that will ensure these facilities are functioning properly. Details of the septic maintenance plan are included in Section VII.

Properties in the proposed sewer service area will adhere to the septic maintenance program until they connect to the proposed sanitary system, for which they'll have 36 months to do so.

Planning Coordination

N.J.A.C. 7:15-3.5 (f) requires the Borough to notify all governmental entities that have regulatory or planning jurisdiction over wastewater, water supply, or land use in any sewer service area being modified. The following agencies are:

- SUEZ Water NJ
- Passaic Valley Water Commission
- North Jersey District Water Supply Commission
- Great Falls Hydroelectric Company
- City of Paterson DPW Great Falls Raceway
- Dundee Water Power & Land Company c/o Suez Water NJ

- Northwest Bergen County Utilities Authority
- Borough of Franklin Lakes
- Township of Wayne

The municipality has informed all the stakeholders listed above of the proposed Wastewater Management Plan. To date, no specific issues have been brought to our attention from the agencies mentioned above.

The Borough shall request consent from the following entities, in accordance with N.J.A.C. 7:15-3.5(g)6:

- Borough of Oakland
- Northwest Bergen County Utilities Authority (NBCUA)
- Bergen County Board of Chosen Freeholders
- Highlands Council

Highlands Council

The Borough is located within the Highlands Planning Area and the Highlands Preservation Area. The Borough is no longer a conforming municipality, but will comply with Highlands regulation for the parts of the Borough that fall within the Highlands Preservation Area. The Borough has been coordinating with the Highlands Council to secure a Consistency Determination, which is necessary for the amendment of the Borough's water allocation permit. The Borough has revised the proposed sewer service area in response to the Highland's comments and has submitted a copy of the draft Wastewater Management Plan for their review. The Highlands Council has requested that in accordance with Executive Order 114 (EO 114), the farm located on Block 4004, Lots 4 and 5 be removed from the proposed sewer service area. Therefore, Block 4004, Lots 4 and 5 have been removed. However, as noted under EO 114, the Fanale tract is also located within the Protection Zone, but due to ongoing Affordable Housing litigation, the property will remain in the proposed sewer service area.

The Borough is also preparing the Water Use and Conservation Management Plan (WUCMP), which will include a mitigation plan to address the transfer of wastewater to the NBCUA WTP. The preparation of the WUCMP is a condition of the Consistency Determination. In order to obtain the Consistency Determination from the Highlands Council, the Borough will identify mitigation strategies for a minimum of 100% of the proposed inter-basin transfer. Such mitigation strategies shall include but not be limited to the preparation and full implementation of a municipal wide Water User and Conservation Plan, which accounts for existing and future water deficits in the Borough.

III. Existing and Future Wastewater Treatment Facilities

This section addresses wastewater treatment facilities currently or anticipated to be utilized within the Borough, whether the treatment works itself is located within or outside of the municipality.

Overview of Wastewater Services and Wastewater Responsibilities

Only a small portion of the Borough is currently serviced by existing wastewater treatment facilities. This area includes community wastewater systems that serve 5% percent of the total Borough population. After performing an assessment of each of the three Borough owned wastewater treatment facilities, it was determined that the plants are at the end of their useful life. Two (2) alternatives have been identified to remedy the situation and avoid failure of the system:

- Complete replacement of the three (3) WTPs with new packaged plants.
- Decommissioning of the plants and installation of pumping stations to convey flow to the Northwest Bergen County Utilities Authority (NBCUA).

The wastewater treatment facilities' assessment report is included in Appendix C.

A study of the existing septic systems throughout the Borough was completed in 2016. There are over 3,000 septic systems throughout the municipality. A sampling of over 1,000 septic system records throughout the different neighborhoods in the Borough were reviewed. Of the 1,000 systems, over 400 systems still rely on cesspools, which historically were made of concrete or cinder block with open joints. The improperly functioning septic systems allow untreated sewage to runoff into receiving ground and surface water. Findings indicate that many of the septic systems, which were designed in the 1950's through the 1980's, fail to meet the latest NJDEP "Standards for Individual Subsurface Sewage Disposal Systems" (N.J.A.C. 7:9A). Further, there are at least 445 septic systems with known cesspools and no repair date on file with Oakland's Health Department. Since critical requirements from both regulatory agencies are not being met and prevalent failures are occurring Borough-wide, the importance and need for a central sanitary sewer system becomes readily apparent. The findings are outlined in Appendix C, including a map illustrating the locations of each neighborhood within the Borough.

Existing Public Wastewater Treatment Works and Service Area

The table below lists the <u>major</u> domestic wastewater treatment facilities and the portion of the municipality they serve.

Wastewater Utility	Area Served
Skyview-Hibrook	68 Homes in the vicinity of Lakeside Boulevard
Oakwood Knolls	166 connections from the Oakcrest Townhouse Development and the Coppertree Mall.
Chapel Hill	24 homes in Chapel Hill Estates
Indian Hills HS	Indian Hills High School
Ramapo River	Ramapo River Reserve development; approximately 320 acres

Wastewater Facility Tables

This section addresses wastewater treatment facilities currently or anticipated to be utilized by development within the municipality, whether the treatment works itself is located within or outside of the municipality. Facility tables are provided for each existing and proposed wastewater treatment facility.

Table 3.1 Skyview-Hibrook WTP		
1. Existing or proposed facility:	Existing*	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0021342	
Discharge to ground water (DGW) or surface water (DSW):	DSW	
4. Receiving water or aquifer:	Pond Brook	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Borough of Oakland	
7. Operator of facility:	Gerald C. Kastner	
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	179 Lakeside Boulevard	
a. Municipality & County	Oakland, Bergen	
b. Street address	179 Lakeside Boulevard	
c. Block(s) and Lot(s)	5004,67	
10. Location of discharge (i.e. degrees, minutes,	s, a. Longitude 74.215851	
seconds):	b. Latitude 41.03141	
	c. State Plane Coordinates	
	x 570475, y 800793	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.023 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland	196	0
Total	196	0
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2016) Flow (in MGD)	Build-out (in MGD)
Municipality: Oakland	0.01645	0
Facility Total	0.01645 MGD	0

^{*} To be decommissioned

Table 3.2			
	od Knolls WTP		
Existing or proposed facility:	Existing*		
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0027774	NJ0027774	
3. Discharge to ground water (DGW) or surface water (DSW):	DSW		
4. Receiving water or aquifer:	Ramapo River Tributary		
5. Classification of receiving water or aquifer:	FW2-NT		
6. Owner of facility:	Borough of Oakland		
7. Operator of facility:	Gerald C. Kastner		
8. Co-Permittee of facility (where applicable):			
9. Location of facility:	101 East Oak Street		
a. Municipality & County	Oakland, Bergen		
b. Street address	101 East Oak Street		
c. Block(s) and Lot(s)	3903, 89		
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.240001		
seconds):	b. Latitude 41.023542		
	c. State Plane Coordinates		
	x 563876.30, y 797869.53		
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.035 MGD		
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out	
Municipality: Oakland	465	0	
Total	465	0	
*13. Summary of wastewater flow received/to be	Current (Year 2016) Flow	Build-out	
received as a 30-day average flow for DSW or a daily maximum flow for DGW:	(in MGD)	(in MGD)	
Municipality: Oakland	0.02241	0	
Facility Total	0.002241 MGD	0	

^{*} To be decommissioned

Table 3.3 Oakland Operator LLC DBA		
Existing or proposed facility:	Existing	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0029858	
3. Discharge to ground water (DGW) or surface water (DSW):	DSW	
4. Receiving water or aquifer:	Hoppers Lake	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Oakland Operator LLC DBA	
7. Operator of facility:	Sam Goldberger	
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	20 Breakneck Road	
a. Municipality & County	Oakland, Bergen	
b. Street address	20 Breakneck Road	
c. Block(s) and Lot(s)	3101, 5	
10. Location of discharge (i.e. degrees, minutes,	, a. Longitude 74.246981	
seconds):	b. Latitude 41.001305	
	c. State Plane Coordinates	
	x 561824 y 789408	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.030 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland	465	465
Total	465	465
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2016) Flow (in MGD)	Build-out (in MGD)
Municipality: Oakland	0.02609	0.02609 MGD
Facility Total	0.02609 MGD	0.02609 MGD

Table 3.4		
Chapel Hill Estates STP 1. Existing or proposed facility: Existing*		
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0053112	
3. Discharge to ground water (DGW) or surface water (DSW):	DSW	
4. Receiving water or aquifer:	Pond Brook Tributary	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Borough of Oakland	
7. Operator of facility:	Gerald C. Kastner	
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	145 Hiawatha Boulevard	
a. Municipality & County	Oakland, Bergen	
b. Street address	145 Hiawatha Boulevard	
c. Block(s) and Lot(s)	5204, 25	
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.226775	
seconds):	b. Latitude 41.036746	
	c. State Plane Coordinates	
	x 567497.53, y 802670.17	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.01 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland	58	0
Total	58	0
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2016) Flow (in MGD)	Build-out (in MGD)
Municipality: Oakland	0.00639	0
Facility Total	0.00639 MGD	0

^{*} To be decommissioned

Table 3.5 Ramapo River Reserve WTP		
Existing or proposed facility:	Existing	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0080811	
3. Discharge to ground water (DGW) or surface water (DSW):	DSW	
4. Receiving water or aquifer:	Ramapo River Tributary	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Ramapo River Reserve	
7. Operator of facility:	Karl Weber	
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	27 Waters Edge	
a. Municipality & County	Oakland, Bergen	
b. Street address	27 Waters Edge	
c. Block(s) and Lot(s)	1103, 10	
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.231524	
seconds):	b. Latitude 41.047243	
	c. State Plane Coordinates	
	x 566226, y 806545	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.1137 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland	810	810
Total	810	810
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2016) Flow (in MGD)	Build-out (in MGD)
Municipality: Oakland	0.08093	0.08093
Facility Total	0.08093 MGD	0.08093 MGD

Table 3.6 Indian Hills High School		
Existing or proposed facility:	Existing	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0021253	
3. Discharge to ground water (DGW) or surface water (DSW):	ASC	
4. Receiving water or aquifer:	Pond Brook Tributary	
5. Classification of receiving water or aquifer:	FW2-NT	
6. Owner of facility:	Oakland Board of Ed	
7. Operator of facility:	Michael Lyons	
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	97 Yawpo Avenue	
a. Municipality & County	Oakland, Bergen	
b. Street address	97 Yawpo Avenue	
c. Block(s) and Lot(s)	4101, 1	
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.231325	
seconds):	b. Latitude 41.02243	
	c. State Plane Coordinates	
	x 566012, y 797854	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0336 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland	1226 students	1226 students
Total	1226 students	1226 students
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2016) Flow (in MGD)	Build-out (in MGD)
Municipality: Oakland	0.00394	0
Facility Total	0.00394 MGD	0

Table 3.7		
Engineering Laboratories Inc		
Existing or proposed facility:	Existing	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0051471	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Igneous and Metamorphic R	ocks
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Peter R. Spinney, Inc	
7. Operator of facility:	Peter R. Spinney	
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	360 West Oakland Avenue	
a. Municipality & County	Oakland, Bergen	
b. Street address	360 West Oakland Avenue	
c. Block(s) and Lot(s)	103, 3	
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.265386	
seconds):	b. Latitude 41.017079	
	c. State Plane Coordinates	
	x 556994, y 796188	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.002275 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland		
Total		
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current Year 2017 Flow (in MGD)	Build-out (specify as applicable) (in MGD)
Municipality: Oakland	0.0006	0.0006
Facility Total	0.0006 MGD	0.0006 MGD

Table 3.8 BD Oakland Owner, LLC		
Existing or proposed facility:	Existing	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0078565	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Brunswick Shale	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	BD Oakland Owner	
7. Operator of facility:		
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	111 Bauer Drive	
a. Municipality & County	Oakland, Bergen	
b. Street address	111 Bauer Drive	
c. Block(s) and Lot(s)	3203, 4	
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.241041	
seconds):	b. Latitude 41.006735	
	c. State Plane Coordinates	
	x 563790, y 791736	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	.0085 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland	maximum of 340 employees	maximum of 340 employees
Total	340 employees	340 employees
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current Year 2016 Flow (in MGD)	Build-out (in MGD)
Municipality: Oakland	0.00053	0.00053
Facility Total	0.00053 MGD	0.00053 MGD

Table 3.9 Cablevision of Oakland		
Existing or proposed facility:	Existing	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0083038	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Crystalline Rocks	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Cablevision of Oakland	
7. Operator of facility:	Karl Weber	
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	40 Potash Road	
a. Municipality & County	Oakland, Bergen	
b. Street address	40 Potash Road	
c. Block(s) and Lot(s)	3601, 4	
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.240183	
seconds):	b. Latitude 41.011097	
	c. State Plane Coordinates	
	x 563880, y 793292	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.002 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland		
Total		
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current Year 2016 Flow (in MGD)	Build-out (specify as applicable) (in MGD)
Municipality: Oakland	0.00048	0.00048
Facility Total	0.00048 MGD	0.00048 MGD

Table 3.10 Aramis INC		
Existing or proposed facility:	Existing	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0086797	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Undifferentiated glacial drift	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Aramis, Inc	
7. Operator of facility:	Karl Weber, NJ American Co).
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	5 Thornton Road	
a. Municipality & County	Oakland, Bergen	
b. Street address	5 Thornton Road	
c. Block(s) and Lot(s)	2303, 1	
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.240183	
seconds):	b. Latitude 41.007123	
	c. State Plane Coordinates	
	x 563939, y 791565	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.0019 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland		
Total		
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current Year 2016 Flow (in MGD)	Build-out (in MGD)
Municipality: Oakland	0.000381	0.000381
Facility Total	0.000381 MGD	0.000381 MGD

Table 3.11 Robert Michael Shopping Center			
Robert Michael Shopping Center			
Existing or proposed facility:	Existing		
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0167126		
3. Discharge to ground water (DGW) or surface water (DSW):	DGW		
4. Receiving water or aquifer:	Glacial Till		
5. Classification of receiving water or aquifer:	II-A		
6. Owner of facility:	Robert Michael Shopping Ce	nter	
7. Operator of facility:	R. Michael Kennedy		
8. Co-Permittee of facility (where applicable):			
9. Location of facility:	340 Ramapo Valley Road		
a. Municipality & County	Oakland, Bergen		
b. Street address	340 Ramapo Valley Road		
c. Block(s) and Lot(s)	3906, 2		
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.241984		
seconds):	b. Latitude 41.023341		
	c. State Plane Coordinates		
	x 563208, y 797837		
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.00636 MGD		
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out	
Municipality: Oakland			
Total			
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current Year 2016 Flow (in MGD)	Build-out (specify as applicable) (in MGD)	
Municipality: Oakland	0.00005	0	
Facility Total	0.00005 MGD	0	

Table 3.12 Oakland Cross Roads		
Existing or proposed facility:	Existing	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0167631	
3. Discharge to ground water (DGW) or surface water (DSW):	DGW	
4. Receiving water or aquifer:	Feltville Formation	
5. Classification of receiving water or aquifer:	II-A	
6. Owner of facility:	Oakland Cross Roads	
7. Operator of facility:	Elias Joseph	
8. Co-Permittee of facility (where applicable):		
9. Location of facility:	409 Ramapo Valley Road	
a. Municipality & County	Oakland, Bergen	
b. Street address	409 Ramapo Valley Road	
c. Block(s) and Lot(s)	1706, 3.01	
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.24077	
seconds):	b. Latitude 41.027005	
	c. State Plane Coordinates	
	x 561005, y 799328	
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	0.00787 MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out
Municipality: Oakland		
Total		
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current Year 2017 Flow (in MGD)	Build-out (specify as applicable) (in MGD)
Municipality: Oakland	0.00003	0
Facility Total	0.00003	0

Table 3.13 Ameriux LLC* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0080276
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Basalt
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Ameriux LLC
6. Operator of facility:	Paul Shaskan
7. Location of facility:	178 Bauer Drive
a. Municipality & County	Oakland, Bergen
b. Street address	178 Bauer Drive
c. Block(s) and Lot(s)	3603, 3
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.235280
seconds):	b. Latitude 41.010609
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 564883, y 793563
10. Summary of current population served identifying all wastewater generating uses:	Max of 375 employees
Commercial: amount of square footage	110,000 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.01375
* Facility is not expected to expand.	

Table 3.14 Copper Tree Shopping Plaza* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0133809
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Byram Gneiss Formation
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Copper Tree Shopping Plaza
6. Operator of facility:	Enrico Laurino
7. Location of facility:	350 Ramapo Valley Road
a. Municipality & County	Oakland, Bergen
b. Street address	350 Ramapo Valley Road
c. Block(s) and Lot(s)	3906, 1
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.241125
seconds):	b. Latitude 41.023924
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 563550, Y 798018
10. Summary of current population served identifying all wastewater generating uses:	Shopping Mall
Commercial: amount of square footage	18,496 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.002312
	Expected 20-Year Build-out: 0
* Facility is not expected to expand.	

Table 3.15 Di Iorio Investors SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0262714
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Di Iorio Investors
6. Operator of facility:	Steven M. Segalas
7. Location of facility:	20 Elm Street
a. Municipality & County	Oakland, Bergen
b. Street address	20 Elm Street
c. Block(s) and Lot(s)	1802, 7
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.24279
seconds):	b. Latitude 41.025147
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 563089 y 798462
10. Summary of current population served identifying all wastewater generating uses:	4,074 sq. foot retail building and a 144-seat restaurant
Commercial: amount of square footage	7,150 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Estimated Flow: 0.00089 MGD
	Expected 20-Year Build-out: 0

Table 3.16 Haband Company* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0133469
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Basalt
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Haband Company
6. Operator of facility:	
7. Location of facility:	112 Bauer Drive
a. Municipality & County	Oakland, Bergen
b. Street address	112 Bauer Drive
c. Block(s) and Lot(s)	3204, 4
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.239792
seconds):	b. Latitude 41.005872
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 563710, y 791469
 Summary of current population served identifying all wastewater generating uses: 	
Commercial: amount of square footage	30,000 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.003 MGD
* Facility is not expected to expand.	

Table 3.17 Jayare Associates* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0100757
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Jayare Associates LLC
6. Operator of facility:	Elliot S. Leiowitz
7. Location of facility:	14 Post Road
a. Municipality & County	Oakland, Bergen
b. Street address	14 Post Road
c. Block(s) and Lot(s)	2701, 1
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.256295
seconds):	b. Latitude 41.01452
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 559770, y 794529
 Summary of current population served identifying all wastewater generating uses: 	Shopping Mall
Commercial: amount of square footage	88,000 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.010935 MGD
* Facility is not expected to expand.	

Table 3.18 Long Hill Medical Plaza* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0140082
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer Conglomerate
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Long Hill Medical Plaza
6. Operator of facility:	David A. Hals
7. Location of facility:	9 Post Road
a. Municipality & County	Oakland, Bergen
b. Street address	9 Post Road
c. Block(s) and Lot(s)	2703, 1
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.255263
seconds):	b. Latitude 41.013665
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 559578, y 794249
 Summary of current population served identifying all wastewater generating uses: 	Professional/medical office building
Commercial: amount of square footage	22,000 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.002788 MGD
* Facility is not expected to expand.	

Table 3.19 Oakland Bus Center #1* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0168793
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Basalt
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Oakland Bus Center #1
6. Operator of facility:	Linda Correlli
7. Location of facility:	16 Thornton Road
a. Municipality & County	Oakland, Bergen
b. Street address	16 Thornton Road
c. Block(s) and Lot(s)	3201, 2
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.245931
seconds):	b. Latitude 41.006585
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 563215, y 791265
10. Summary of current population served identifying all wastewater generating uses:	60 staff members
Commercial: amount of square footage	43,000 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.005383 MGD
* Facility is not expected to expand.	

Table 3.20 Oakland Diner* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

	T	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0168629	
2. Discharge to ground water (DGW):	DGW	
3. Receiving aquifer:	Brunswick Aquifer	
4. Classification of receiving aquifer:	II-A	
5. Owner of facility:	Oakland Diner	
6. Operator of facility:	Harry Mihas	
7. Location of facility:	72 Ramapo Valley Road	
a. Municipality & County	Oakland, Bergen	
b. Street address	72 Ramapo Valley Road	
c. Block(s) and Lot(s)	2601, 7	
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.260879	
seconds):	b. Latitude 41.015153	
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates	
seconds):	x 558119, y 794686	
10. Summary of current population served identifying all wastewater generating uses:	112 seats	
Restaurant: number of seats	112 seats	
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.00392 MGD	
* Facility is not expected to expand.		

Table 3.21 Our Lady of Perpetual Help SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0186091
Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Our Lady of Perpetual Help
6. Operator of facility:	Thomas Paul Lipnicki
7. Location of facility:	117 Franklin Avenue
a. Municipality & County	Oakland, Bergen
b. Street address	117 Franklin Avenue
c. Block(s) and Lot(s)	4901, 1
8. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74.226919
	b. Latitude 41.028519
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 567359, y 799841
Summary of current population served identifying all wastewater generating uses:	300 students/staff
School: number of students and	
staff (specify cafeteria, labs,	300 students/staff
<u>showers)</u>	Catholic school (non-boarding school)
Other: Refer to N.J.A.C. 7:9A-7.4	Estimated Flow: 0.0105 MGD
	Expected 20-Year Build-out: 0

Table 3.22 Portabello Banquet SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0142701
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Portabello Banquet
6. Operator of facility:	David Hall
7. Location of facility:	155 Ramapo Valley Road
a. Municipality & County	Oakland, Bergen
b. Street address	155 Ramapo Valley Road
c. Block(s) and Lot(s)	2401, 7
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.254115
seconds):	b. Latitude 41015023
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 559896, y 794813
10. Summary of current population served identifying all wastewater generating uses:	307 seats
Restaurant: number of seats	307 seats
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.010745 MGD
	Expected 20-Year Build-out: 0

Table 3.23 Portobello Feasts SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0137219
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Portobello Feasts
6. Operator of facility:	David Hall
7. Location of facility:	175 Ramapo Valley Road
a. Municipality & County	Oakland, Bergen
b. Street address	175 Ramapo Valley Road
c. Block(s) and Lot(s)	2601, 5
8. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74.253004
	b. Latitude 41.015760
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 560260, y 795004
10. Summary of current population served identifying all wastewater generating uses:	196 seats
Restaurant: number of seats	196 seats
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.00686 MGD
	Expected 20-Year Build-out: 0

Table 3.24 Ramapo Shopping Center Inc SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0083470
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Ramapo Shopping Center Inc
6. Operator of facility:	John Ringer
7. Location of facility:	400 Ramapo Valley Road
a. Municipality & County	Oakland, Bergen
b. Street address	400 Ramapo Valley Road
c. Block(s) and Lot(s)	3901, 1
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.239632
seconds):	b. Latitude 41.025903
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 563907, y 798751
Summary of current population served identifying all wastewater generating uses:	Shopping Center
Commercial: amount of square footage	13,000 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.001665 MGD
	Expected 20-Year Build-out: 0

Table 3.25 Ramapo Valley Resources LTD SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0145521
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Ramapo Valley Resources LTD
6. Operator of facility:	John Olsen
7. Location of facility:	345 349 Ramapo Valley Road
a. Municipality & County	Oakland, Bergen
b. Street address	345 349 Ramapo Valley Road
c. Block(s) and Lot(s)	1802, 8
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.242779
seconds):	b. Latitude 41.024367
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 563093 y 798178
 Summary of current population served identifying all wastewater generating uses: 	Strip mall with retail stores & food service
Commercial: Identify amount of square footage	32,280 SF
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.005 MGD
	Expected 20-Year Build-out: 0

Table 3.26 Trovatos Due SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0140023
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Trovatos Due
6. Operator of facility:	Antonio Trovato
7. Location of facility:	4 Barbara Lane
a. Municipality & County	Oakland, Bergen
b. Street address	4 Barbara Lane
c. Block(s) and Lot(s)	1705, 4
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.243004
seconds):	b. Latitude 41.027416
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 563028 y 799289
10. Summary of current population served identifying all wastewater generating uses:	115 seats
Restaurant: <u>number of seats</u>	115 seats
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.004035 MGD
	Expected 20-Year Build-out: 0

Table 3.27 Barnstable Academy* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0142441
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Brunswick Aquifer
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	Barnstable Academy
6. Operator of facility:	Matthew Frasco
7. Location of facility:	8 Wright Way
a. Municipality & County	Oakland, Bergen
b. Street address	8 Wright Way
c. Block(s) and Lot(s)	3301, 8
8. Location of discharge (i.e. degrees, minutes, seconds):	a. Longitude 74.248217
	b. Latitude 41.005765
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 561559, y 791426
10. Summary of current population served identifying all wastewater generating uses:	260 students/staff
School: <u>number of students and</u> <u>staff (specify cafeteria, labs,</u> <u>showers)</u>	260 students/staff (non-boarding)
Other: Refer to N.J.A.C. 7:9A-7.4	Permitted Flow: 0.0026 MGD
* Facility is not expected to expand.	

Table 3.28 CTC Academy* SANITARY SUBSURFACE SEWAGE DISPOSAL SYSTEM GENERAL PERMIT (T-1 PERMIT) TREATMENT FACILITY TABLE

New Jersey Pollutant Discharge Elimination System Permit Number:	NJG0251801
2. Discharge to ground water (DGW):	DGW
3. Receiving aquifer:	Glacial Till
4. Classification of receiving aquifer:	II-A
5. Owner of facility:	CTC Academy
6. Operator of facility:	
7. Location of facility:	125 Bauer Drive
a. Municipality & County	Oakland, Bergen
b. Street address	125 Bauer Drive
c. Block(s) and Lot(s)	3601, 40
8. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.239246
seconds):	b. Latitude 41.008143
9. Location of discharge (i.e. degrees, minutes,	c. State Plane Coordinates
seconds):	x 564086 y 792271
10. Summary of current population served identifying all wastewater generating uses:	100 students/staff
School: <u>Identify number of students</u>	400 4 4 4 4 4 4 0 0045 1405
and staff (specify cafeteria, labs,	100 students/staff = 0.0015 MGD
showers)	(N.J.A.C. 7:9a-7.4 utilized, bathroom, kitchen)
Other: Refer to N.J.A.C. 7:9A-7.4	Estimated Flow: 0.0015 MGD
* Facility is not expected to expand.	

Table 3.29 Northwest Bergen County Utilities Authority WTP			
Existing or proposed facility:	Existing	IF	
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0024813		
3. Discharge to ground water (DGW) or surface water (DSW):	DSW		
4. Receiving water or aquifer:	Hobokus Brook		
5. Classification of receiving water or aquifer:	FW2-NT		
6. Owner of facility:	Northwest Bergen County Ut	ilities Authority	
7. Operator of facility:	Robert Genetelli		
8. Co-Permittee of facility (where applicable):			
9. Location of facility:	30 Wyckoff Avenue		
a. Municipality & County	Waldwick, Bergen		
b. Street address	30 Wyckoff Avenue		
c. Block(s) and Lot(s)	118, 1.02		
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.123039		
seconds):	b. Latitude 41.006854		
	c. State Plane Coordinates		
	x 596157, y 791918		
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	16.8	MGD	
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population Build-out		
Municipality: Oakland	0 0.477		
Total	0	0.477	
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2016) Flow Build-out (in MGD) (in MGD)		
Municipality: Oakland	0	0.477	
Facility Total	0	0.477 MGD	

Table 3.30 Mountain View WTP				
Existing or proposed facility:	Existing*			
New Jersey Pollutant Discharge Elimination System Permit Number:	NJ0028002			
3. Discharge to ground water (DGW) or surface water (DSW):	DSW			
4. Receiving water or aquifer:	Preakness Brook			
5. Classification of receiving water or aquifer:	FW2-NT			
6. Owner of facility:	Township of Wayne			
7. Operator of facility:				
8. Co-Permittee of facility (where applicable):				
9. Location of facility:	205 Dey Road Wayne			
a. Municipality & County	Wayne, Passaic			
b. Street address	205 Dey Road Wayne			
c. Block(s) and Lot(s)				
10. Location of discharge (i.e. degrees, minutes,	a. Longitude 74.250589			
seconds):	b. Latitude 40.91031			
	c. State Plane Coordinates			
	x 561057 y 756620			
11. Present permitted flow or permit condition (DSW) or daily maximum (DGW):	13.51	MGD		
*12. Summary of population served/to be served (including major seasonal fluctuations if applicable):	Current (Year 2017) Population	Build-out		
Municipality: Oakland	0 0.0612			
Total	0	0.0612		
*13. Summary of wastewater flow received/to be received as a 30-day average flow for DSW or a daily maximum flow for DGW:	Current (Year 2016) Flow Build-out (in MGD)			
Municipality: Oakland	0	0.0612		
Facility Total	0	0.0612 MGD		

IV. Wastewater Treatment Capacity Analysis - Sewer Service Area

The existing and future wastewater management needs of each sewer service area was identified and evaluated in a wastewater treatment capacity analysis. This chapter describes the build out methodology used to calculate existing wastewater flows for assigned sewer service areas (SSAs served by a permitted treatment facility), as well as project future wastewater treatment demand for the Borough.

Calculating Existing Wastewater Flows

Existing Development

For each assigned sewer service area, the Borough has identified the existing wastewater flow using the highest consecutive 12 months rolling average over the most recent five-year period preceding development of the WMP, as reported in the Discharge Monitoring Reports required pursuant to N.J.A.C. 7:14A-6.8 for each facility.

Assigned Sewer Service Area Capacity Analyses

The average daily flow from existing NJPDES permitted facilities in the Borough are outlined in the table below:

Borough Owned and School Owned Treatment Facilities						
SKYVIEW/HIBROOK WTP – NJ0021342	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.05264	0.01911	0.0167	0.01654	0.01645	0.01644
Chapel Hill Estate STP – NJ0053112	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.0025	0.0065	0.00657	0.00633	0.00639	0.0065
Oakwood Knolls WWTP – NJ0027774	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.02345	0.02319	0.02284	0.02226	0.02241	0.02275
Indian Hills High School – NJ0021253	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.0057	0.00509	0.00472	0.00418	0.00394	0.00406
	Other Facilities and Flow Sources					
BD Oakland Owner LLC – NJ0078565	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.00039	0.00061	.00055	0.00060	0.00053	0.00049
Engineering Laboratories – NJ0051471	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.000471	0.000049	0.00049	0.00053	0.0006	0.00063
Oakland Cross Roads – NJ0167631	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.00013	0.00004	0.00003	0.00004	0.00003	0.00003
Robert Michael Shopping Center – NJ0167126	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.00056	0.0012	0.00096	0.00029	0.00005	0.00004

Outland Outland C DDA MICOSOFO	2012	2042	2014	2045	2016	2047
Oakland Operator LLC DBA – NJ0029858	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.01074	0.01935	0.02051	0.02008	0.02609	0.02589
Ramapo River Reserve – NJ0080811	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.03774	0.07334	0.07652	0.07883	0.08093	0.07956
Cablevision of Oakland – NJ0083038	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.001085	0.0008	0.0007	0.0005	0.00048	0.0004
Aramis – NJ0086797	2012	2013	2014	2015	2016	2017
Average (MGD)	0.00032	0.000694	0.000141	0.000155	0.000381	0.000622
Ameriux LLC – NJG0080276	2012	2013	2014	2015	2016	2017
Average (MGD)	0.01375	0.01375	0.01375	0.01375	0.01375	0.01375
Copper Tree Plaza – NJG0133809	2012	2013	2014	2015	2016	2017
Average (MGD)	0.00231	0.00231	0.00231	0.00231	0.00231	0.00231
Haband Company – NJG0133469	2012	2013	2014	2015	2016	2017
Average (MGD)	0.003	0.003	0.003	0.003	0.003	0.003
Jayare Associates LLC – NJG0100757	2012	2013	2014	2015	2016	2017
Average (MGD)	0.01094	0.01094	0.01094	0.01094	0.01094	0.01094
Long Hill Medical Plaza – NJG0140082	2012	2013	2014	2015	2016	2017
Average (MGD)	0.002788	0.002788	0.002788	0.002788	0.002788	0.002788
Oakland Bus Center #1 – NJG0168793	2012	2013	2014	2015	2016	2017
Average (MGD)	0.005383	0.005383	0.005383	0.005383	0.005383	0.005383
Oakland Diner – NJG0168629	2012	2013	2014	2015	2016	2017
Average (MGD)	0.00392	0.00392	0.00392	0.00392	0.00392	0.00392
Our Lady of Perpetual Help-NJG0186091	2012	2013	2014	2015	2016	2017
Average (MGD)	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
Portabello Banquet - NJG0142701	2012	2013	2014	2015	2016	2017
Average (MGD)	0.01075	0.01075	0.01075	0.01075	0.01075	0.01075
Portabello Feasts – NJG0137219	2012	2013	2014	2015	2016	2017
Average (MGD)	0.00686	0.00686	0.00686	0.00686	0.00686	0.00686
Ramapo Shopping Center – NJG0083470	2012	2013	2014	2015	2016	2017
Average (MGD)	0.001665	0.001665	0.001665	0.001665	0.001665	0.001665
Ramapo Valley Resources – NJG0145521	2012	2013	2014	2015	2016	2017
Average (MGD)	0.004504	0.004504	0.004504	0.004504	0.004504	0.004504
Trovatos Due – NJG0140023	2012	2013	2014	2015	2016	2017
Average (MGD)	0.004035	0.004035	0.004035	0.004035	0.004035	0.004035
Barnstable Academy – NJG0142441	2012	2013	2014	2015	2016	2017
Average (MGD)	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026
CTC Academy – NJG0251801	2012	2013	2014	2015	2016	2017

Average (MGD)	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035
Di Iorio Investors – NJG0262714	2012	2013	2014	2015	2016	2017
Average (MGD)	0.00089	0.00089	0.00089	0.00089	0.00089	0.00089

Below are the facilities that are located within the currently proposed sewer service area. The ones with an asterisk are Borough owned wastewater treatment plants that will be decommissioned in the near future and whose average daily flow will be conveyed to NBCUA:

Borou	gh Owned a	nd School Owne	d Treatment Fa	cilities		
SKYVIEW/HIBROOK WTP - NJ0021342*	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.05264	0.01911	0.0167	0.01654	0.01645	0.01644
Chapel Hill Estate STP – NJ0053112*	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.0025	0.0065	0.00657	0.00633	0.00639	0.0065
Oakwood Knolls WWTP – NJ0027774*	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.02345	0.02319	0.02284	0.02226	0.02241	0.02275
Indian Hills High School – NJ0021253	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.0057	0.00509	0.00472	0.00418	0.00394	0.00406
	Other F	acilities and Flo	w Sources			
Oakland Cross Roads – NJ0167631	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.00013	0.00004	0.00003	0.00004	0.00003	0.00003
Robert Michael Shopping Center – NJ0167126	2012	2013	2014	2015	2016	2017
12 Month Rolling Average (MGD)	0.00056	0.0012	0.00096	0.00029	0.00005	0.00004
Copper Tree Shopping Plaza – NJG0133809	2012	2013	2014	2015	2016	2017
Average (MGD)	0.00231	0.00231	0.00231	0.00231	0.00231	0.00231
Our Lady of Perpetual Help – NJG0186091	2012	2013	2014	2015	2016	2017
Average (MGD)	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
Portabello Banquet - NJG0142701	2012	2013	2014	2015	2016	2017
Average (MGD)	0.01075	0.01075	0.01075	0.01075	0.01075	0.01075
Portabello Feasts – NJG0137219	2012	2013	2014	2015	2016	2017
Average (MGD)	0.00686	0.00686	0.00686	0.00686	0.00686	0.00686
Ramapo Shopping Center – NJG0083470	2012	2013	2014	2015	2016	2017
Average (MGD)	0.001665	0.001665	0.001665	0.001665	0.001665	0.001665
Ramapo Valley Resources – NJG0145521	2012	2013	2014	2015	2016	2017
Average (MGD)	0.004504	0.004504	0.004504	0.004504	0.004504	0.004504
Trovatos Due – NJG0140023	2012	2013	2014	2015	2016	2017

Average (MGD)	0.004035	0.004035	0.004035	0.004035	0.004035	0.004035
Di Iorio Investors – NJG0262714	2012	2013	2014	2015	2016	2017
Average (MGD)	0.00089	0.00089	0.00089	0.00089	0.00089	0.00089

The Northwest Bergen County Utilities Authority plant is a regional Sanitary Treatment Plant effectively collecting and treating wastewater flows from 14 municipalities. The Borough of Oakland is not currently within the Sewer Service Area of NBCUA as noted in their current WMP. Below is the NJDEP reported flow data for the last five (5) years:

YEAR	REPORTED FLOW	PERCENTAGE UTILIZED
2013	9.058 MGD	53.91%
2014	9.144 MGD	54.43%
2014	3.144 IVIOD	J4.4J/0
2015	8.336 MGD	49.62%
2046	0.200.1465	40.020/
2016	8.388 MGD	49.93%
2017	10.072 MGD	59.95%

Northwest Bergen County Utilities Authority is permitted for 16.8 MGD and has the capacity to accept the proposed flow from the proposed sewer service area coming from the downtown corridor of Oakland Borough with no upgrades necessary to the existing plant.

In accordance with the litigation for Bi-County (Appendix D), the flow for the development will be conveyed to the Township of Wayne. Below is the NJDEP reported flow data for the last five (5) years for the Mountain View STP in Wayne, New Jersey:

YEAR	REPORTED FLOW	PERCENTAGE UTILIZED
2013	7.178 MGD	53.17%
2014	7.174 MGD	53.14%
2015	6.453 MGD	47.80%
2016	6.609 MGD	48.96%
2017	7.131 MGD	52.82%

The Plant is permitted for 13.5 MGD.

Projecting Future Wastewater Flows

Wastewater Demand Projections in Sewer Service Areas

Wastewater flow was projected for existing developments within the proposed sewer service area, both for the properties going to the existing WTPs and those which are on septic systems. Borough water usage records, which will be used to determine sewer flows, were utilized to determine these values. According to these records from the Borough, the approximate flow from the proposed sewer service area is 364,632 gpd for the year 2016. 88 residential properties had no water records; therefore, the NJDEP standards were utilized to calculate usage. The total residential water usage for the entire area is approximately 391,000 gpd. The water records are in Appendix D.

In an effort to evaluate capacity and future sanitary flow rates, a build out analysis was completed utilizing GIS and zoning information as outlined in N.J.A.C. 7:15. The following is a chart of undeveloped land that is found within the proposed sewer service area. Locations for these undeveloped tracts are outlined on Map 5 in Appendix B.

Name of	Area	Zone	Proposed	Future
Development				Sanitary Flow
1. Fanale	38.8 acres	Corporate Office	150 units – 3bd; 50 units – 2bd	56,250 gpd
2. Farm	10.5 acres	Corporate Office	Preserved Land	0
3. Raritan Rd Site	2.9 acres	I-3 Industrial	Approved for 40 Affordable Housing 1bd	6,000 gpd
4. Vacant Land	2.1 acres	Local Business	Approved for 10,000 sf of office	1,000 gpd
5. Vacant Land	4.4 acres	Professional Office	Max 47,916 sf per Borough ordinance	4,792 gpd
6. Vacant Land	2.4 acres	Local Business	Residential; Prop 80 - 2 bd apts;	18,000 gpd
			TOTAL	86,042 gpd

The amount of wastewater estimated to be generated by the developments were calculated in accordance with the Borough Code and N.J.A.C. 7:14A-23.3. The max building area for the Raritan Road Site is 0.725 acres (31,581 sf) per the Borough code (25% building coverage). Utilizing Table E-3 of the NJ Demographic Multipliers: The Profile of the Occupants for Residential and Non-residential Development, the max number of employees for industrial sites is between 1-2 per 1,000 sf. Utilizing 2 employees per 1,000 sf, there will be a max of 63 employees on site. As per NJAC 7:14A, the flow is 25 gpd/employee, which equates to 1,579 gpd. The higher affordable housing proposed flow was utilized.

Interbasin Transfer

The Borough is proposing to change the discharge location of the proposed sewer service area from the Ramapo River Basin (RWRPA 4) to the Saddle River Basin (RWRPA 5). As outlined above, the flow to be conveyed to RWRPA 5 is approximately 477,042 gpd, which is the flow identified by Borough water records and flow from existing NJPDES permitted facilities that will be conveyed from the proposed sewer service area. The Borough will partner with NBCUA to install the pumping station, force main and gravity interceptor along Route 202. The agreement will include a provision that all properties with frontage along the interceptor must tie in within 36 months. Once the pumping station is built and the three (3) failing WTPs are taken offline, those properties will automatically be tied in.

It is estimated that the build-out of the remaining sanitary sewer system will have an approximate construction cost of \$30 M. This expenditure will take approximately 20 years, since it will have to be completed in stages. It will be mandatory for all residential and commercial properties to connect within 36 months of the sanitary sewer system being built. This will be enforced by Borough ordinance.

Any future properties, not outlined in this report, that want to connect to the sanitary sewer system will have to either get water from outside the basin or address the additional interbasin transfer amount. The Applicant will be required to get a site specific Wastewater Management Plan amendment through the Department.

V. Nitrate Dilution Analysis - Non-Sewer Service Area

Wastewater Demand Projections in Non-Sewer Service Areas

In areas outside of the proposed sewer service area, the wastewater management alternative is onsite discharge to groundwater of 2,000 gallons per day or less, commonly referred to as septic systems. Approximately 95% of the Borough is presently serviced by private septic systems while the remaining 5% discharge to sanitary sewers. The sanitary sewerage is treated by a number of small privately/municipality owned package treatment plants.

Highlands Preservation Area Analysis

N.J.A.C. 7:15 requires that for areas proposed to be served by individual subsurface sewage disposal systems discharging 2,000 gallons per day or less to ground water, the development density for those areas be determined. In August 2009, The Highlands Council performed a Municipal Build-Out Report of Oakland Borough which is composed of a detailed build-out analysis for the planning and preservation areas in accordance with standards set forth by N.J.A.C. 7:38 and has concluded the following:

"The Highlands Regional Master Plan Septic System Yield analysis determined a yield of 0 units for the Preservation Area."

Due to the fact this analysis has been developed by the Highlands Council and suggests no additional development is warranted within the **Highlands Preservation Area** (2,621 acres), these values will be utilized for this portion of the analysis. A copy of the Municipal Build-Out Report for the Borough of Oakland has been included within Appendix A.

Highlands Planning Area Analysis

Since the Borough is a non-conforming municipality, the Highlands Planning Area (2,990 acres) was analyzed utilizing the Hydrologic Unit Code 11 (HUC11) watershed method whereby development will be served by individual subsurface disposal systems (ISSDS). This method establishes a groundwater nitrate target of 2 mg/l as outlined at N.J.A.C. 7:15-4.5 (c) 1. The Borough utilized the New Jersey Geological Survey provided model that assigns a density in acres of undeveloped land per future dwelling unit. That density is intended to sustain the nitrate standard over the area of the HUC11 watershed when considering future, additional development. Application of this density to the available, undeveloped and underdeveloped acreage in the HUC11 watershed results in a total number of possible dwelling units that could be developed in that watershed without impairing groundwater quality and causing the nitrate concentration to exceed 2 mg/l. The possible number of allowable units is compared to the existing number of dwelling units in the non-sewer service area of the Borough. The number of dwelling units and Equivalent Dwelling Units (EDU's) was quantified by performing a rooftop count of each residence/commercial building utilizing aerial imagery published in April 2017. This method was chosen, as opposed to applying allowable zoning densities, to provide a more accurate representation of existing conditions since the Borough has surpassed the "buildout" point.

The following methodology was used to estimate available developable acreage in the non-sewer service area (Highlands planning area only) utilizing the NJDEP Recharge-Based Nitrate-Dilution Model for New Jersey V7.0 for Excel 2010. First, HUC11 boundaries and areas provided by NJDEP as a Geographic Information Systems (GIS) file were intersected with municipal boundaries to generate HUC11 acreage within Oakland Borough. Then soils information from the SSURGO Bergen County Soil Survey was analyzed based on their septic density rating excluding polygons classified as "Urban Land," "Water" and "hydric soil." The resulting final acreage was considered developable acreage.

To determine the number of total potential residential units, the septic density values provided by the Nitrate Dilution Model was utilized to calculate the maximum allowable dwelling units per soil type. The total number of allowable units has been summarized in Column H of the Nitrate Dilution Calculations in Appendix A. These values were calculated only in areas assigned a septic density value, as outlined in the NJDEP and NJGS guidance documents. For purposes of this analysis, areas classified as "Water," "Urban Land" and "hydric soils" (although not assigned a septic density value) were included as part of the Nitrate Dilution Model Calculations (Highlands Planning Area Only) to determine total land area within the Planning Area.

The total amount of allowable dwelling units within the Planning Area was calculated at 514 based on septic density values as shown on the Nitrate Dilution Model table (Appendix A). This number represents the maximum number of total dwelling units permitted within the Planning Area to remain below the 2mg/l Nitrate threshold.

Existing Dwelling Units

The Borough of Oakland currently has approximately 3,417 existing residential dwelling units (Preservation and Planning Area) within the non-sewer service area. Additionally, the Borough has approximately 195 non-residential buildings with a total floor area of 5,599,366 s.f. (129 acres) within the non-sewer service area. The individual floor areas were multiplied by a wastewater flow factor of 0.125 gpd then divided by 500 gpd (average flow for residential dwellings) to determine the total number of Equivalent Dwelling Units or EDU's. The total number of EDU's for non-residential buildings within the Borough limits is 1,400. (See Appendix A: Non-Residential Development Table).

The existing dwelling unit totals are as follows:

Type of Dwelling Unit	No. of Existing Dwelling Units in Oakland Borough
Residential	3,417
Non-Residential	1,400
Total	4,817

Comparison

It should be noted that the method to calculate the allowable number of additional dwellings within the Highlands Preservation Area (non-sewer service area) is not the same method that was utilized to calculate maximum dwelling units within the Highlands Planning Area. As mentioned above, the estimated build-out for the Highlands Preservation Area was based off septic density standards set forth by N.J.A.C. 7:38.

The results of this analysis indicate the following:

Highlands Preservation Area (2,621 acres): No additional septic systems are allowed within this portion of the Borough. The Septic System Yield analysis determined a yield of 0 units for this area (a copy of the complete Highlands Municipal Build-Out Report can be found in Appendix A). Any individual septic system that was added after completion of the August 2009 Highlands Build-out report automatically counts as a deficiency in the Highlands Preservation Area.

Planning Area (2,990 acres): The maximum allowable dwellings allowed within the existing non-sewer service area has been calculated at 514 units (see Nitrate Dilution Model Calculations found in Appendix A). However, the total number of dwelling units/EDU's (Highlands Planning Area only) has been calculated at 4,279 as shown in the table below.

PLANNING AREA TOTALS				
Type of Dwelling Unit	No. of Existing Dwelling Units in Oakland Borough (Highlands Planning Area only)			
Residential	3,073			
Non-Residential	1,206			
Total	4,279			

Proposed Sewer Service Area

Due to the fact the number of existing septic systems in the part of the Borough that lies within the Highlands Planning Area exceed the maximum allowable dwelling unit calculations by 3,765 (Total Units in Planning Area – Maximum Allowable Dwelling Units or 4,279 - 514 = 3,765), the installation of a public sewer system in the most heavily affected portions of the town is the most practical strategy to mitigate existing deficiencies and reduce nitrate concentrations within the sub-watershed area.

The proposed sewer service area will remove approximately 2,432 dwelling units/EDU's from the current non-sewer service area, reducing the number of dwelling units/EDU's in the Borough that lies within the Highlands Planning Area relying on septic systems, to 1,847. The resulting non-sewered dwelling units/EDU's will still result in an exceedance of 1,333 (Total Non-Sewered Units in Planning Area – Maximum Allowable Dwelling Units or 1,847 - 514 = 1,333). In order to mitigate this exceedance, the dwelling units/EDU's remaining on septic will be required to comply with the Septic Maintenance Plan (SMP) as outlined in Section VII below.

VI. Mitigation Strategies

Mitigation Strategies in the Sewer Service Area

Certain measures will be taken by the Borough to mitigate the conveyance of flow from the proposed sewer service area to NBCUA, which results in an interbasin transfer.

The following are the proposed different mitigation strategies as outlined in the NJDEP Public Notice:

- Requirement for Fanale Development to purchase water directly from SUEZ. The
 property will receive water and discharge sewer to the Saddle River Basin, thereby
 eliminating the full 56,250 gpd interbasin transfer.
- The Bi-County Development, per court order, will convey sanitary sewer to the Township of Wayne. The Borough will require the development to purchase water from SUEZ, therefore eliminating 61,200 gpd of water usage from the Borough. (204 3 Bedroom units) Oakland Borough to agree to fully implement a Highlands Water Use and Conservation Management Plan.

Due to the interbasin change of the location of the sewer discharge, a Major Modification of the Borough's Water Allocation Permit is required. A condition of the Major Modification is obtaining a Consistency Determination from the Highlands Council. In order to satisfy this condition, the Borough will coordinate with the Highlands Council in the preparation of the Water Use and Conservation Management Plan.

The facility known as Oakland Operator LLC is currently over 80% capacity. Although growth is not anticipated at this facility, and therefore does not represent an urgent issue, the Borough will require the permittee to perform an assessment of the treatment works; an evaluation of alternative measures that would maximize conveyance and treatment of existing flows, reduce or maintain existing flows below permitted flow at the facility and ensure adequate conveyance capacity.

VII. Septic Management Plan

<u>Current ISSDS (septic system) Inventory:</u>

The Borough Department of Health keeps records of all septic systems. Boswell has compiled the information (Appendix C), which includes the following:

- Neighborhood
- Street address/location of ISSDS
- Recorded Sanitary Issues Map
- Block and Lot
- Date ISSDS installed or approximate age of system;
- Date/description of last known permitted activity via Health Department (installation, alteration, repair);
- Condition of system
- General comments

Current Septic Management Practices:

In accordance with the requirements of the Borough code, "all individual water supply systems to be constructed within the Borough shall be in compliance with the standards for construction of public noncommunity and nonpublic water systems as set out in Environmental Protection, Volume A, Subchapter 3, of the code promulgated by the Bureau of Potable Water, which code is entitled, "Standards for Construction of Public Noncommunity and Nonpublic Water Systems." Three (3) copies of the code have been filed with the Clerk or Secretary of the Board of Health of the Borough and will remain on file in the office for use and examination by the public. (Ord. #79-51, 1967 Code §54-1D)"

The Borough code states:

No person shall locate, construct, reconstruct, renovate, alter, repair or extend an individual sewage disposal system within the Borough until a permit has been issued by the Board of Health of the Borough. (Ord. #79-51, 1967 Code §54-2A)"

Such permit for an individual sewage disposal system shall be issued by the Board of Health of the Borough, or its duly authorized agent, in accordance with the following:

- a. A permit may be issued upon the applicant's completing the necessary application form together with the appropriate fee and submitting the necessary surveys with sufficient detail and other engineering data, which engineering data shall be furnished by a licensed, professional engineer and certified by the engineer and shall be required to show the proposed construction is in compliance with the standards determined by the New Jersey Department of Health and this Chapter.
- b. Any amendments to any application shall conform to such requirements of the Oakland Board of Health or its designated representatives.

- c. In determining whether an applicant is entitled to a permit to construct an individual sewage disposal system, the Board of Health or its designated agent shall consider the applicant's percolation test and soil logs, which shall be furnished to the Board of Health and become a part of its records.
- d. Upon certification to the Oakland Board of Health or its designated representative that the application and the accompanying engineering data are in compliance with applicable standards, and payment of the appropriate fees, the Board of Health or its designated representative may issue a permit for the construction of an individual sewage disposal system upon payment of the proper fee, as set forth in this Chapter.

(Ord. #79-51, 1967 Code §54-2B; Ord. #99-Code-64, §§1, 2)

There are no specific time requirements for maintenance/management or pump-outs. The ordinance only outlines the license requirements of the contractors performing the work.

All septic records are maintained in paper files. They are only updated once a permit for replacement is issued.

Proposed Improvements to Current Septic Management Practices and Plan to Complete Inventory:

Below are activities that will be evaluated and/or implemented over the next 10-year wastewater management planning period, that will improve the current municipal practices listed above associated with septic management. Examples of the types of activities being sought include:

In accordance with N.J.A.C. 7:9A-3.14 and Highland requirements for the Preservation Area, the Borough ordinance will be revised to include the following:

Notification of proper operation and maintenance practices.

- a) The administrative authority shall notify each property owner issued approval for the design, construction, installation, alteration or repair of an individual subsurface sewage disposal system after January 1, 1990 of the proper operation and maintenance practices.
- b) Written notification of the proper operation and maintenance practices shall initially be issued to the applicant with the approval for the location, design, construction, installation, alteration or repair of the individual subsurface sewage disposal system and reissued on every five (5) years to the present property owner. This will commence is 2020.
- c) The written notification shall inform the present property owner how to properly operate and maintain an individual subsurface sewage disposal system. A mass mailing to all property owners who have individual subsurface sewage disposal systems is an acceptable method of notice. The notice shall include, at a minimum:

- 1. A general outline of how an individual subsurface sewage disposal system works and the potential impact of improper operation and maintenance on system performance, ground and surface water quality, and public health;
- 2. The recommended frequency of septic tank and grease trap pumping to prevent over-accumulation of solids, and methodology for inspection to determine whether pumping is necessary;
- 3. A list of materials containing toxic substances which are prohibited from being disposed of into an individual subsurface sewage disposal system;
- 4. A list of inert or non-biodegradable substances which should not be disposed of within an individual subsurface sewage disposal system;
- 5. Proper practices for maintaining the area reserved for sewage disposal;
- 6. Impacts upon system performance resulting from excessive water use; and
- 7. Warning signs of poor system performance or malfunction and recommended or required corrective measures.
- d) The written notification may be developed by the administrative authority, or the administrative authority may distribute copies of relevant guidance material and/or technical manuals for onsite wastewater treatment systems subject to this chapter made available by the Department.

An ordinance will be passed requiring home owners to provide maintenance to the septic systems prior to receiving Certificate of Occupancy during the sale of a property.

The Board of Health will also improve Tracking and Notification process to further encourage regular pump-outs, system augmentation, and regular maintenance practices.

The Board of Health will share information with system owners on septic maintenance (e.g., classroom presentations or to civic groups such as Lions Club, Women's Clubs, or partnering with Environmental Commissions/ Advisory Councils/Watershed Ambassadors, etc.).

As part of the Borough's ongoing septic maintenance program, the Board of Health will keep an electronic inventory of all septic systems, updating as maintenance is performed.

VIII. Mapping

Map 1 - WMP Area Map

The following political and jurisdictional, boundaries, and features shall be identified on this map:

- The WMP area boundary
- Areawide WQM planning area boundaries
- Municipal boundaries
- The Highlands preservation area and the Highlands planning area

Map 2 - Selected Environmentally Sensitive Features Map

This is a map depicting each of the following environmental features below based on the most current GIS layers available from the Department at the time of Wastewater Management Plan submission.

- Suitable habitat for endangered and threatened species as identified on the Department's Landscape Project Maps of Habitat for Endangered, Threatened and Other Priority Wildlife as Rank 3, 4 and 5
- Natural Heritage Priority Sites (Not applicable to Oakland)
- Surface waters, as mapped on the Department's Geographic Information Systems (GIS) hydrography coverage
- Category One waters designated in the Department's Surface Water Quality Standards, N.J.A.C. 7:9B, based on the Department's maps of such waters, and their corresponding 300-foot riparian zone based on the Flood Hazard Area Control Act Rules, N.J.A.C. 7:13
- Coastal wetlands that have been mapped by the Department under the Wetlands Act of 1970, N.J.S.A. 13:9A-1 et seq. (Not applicable to Oakland)
- Other freshwater and estuarine wetlands, based on maps prepared by the Department under the Freshwater Wetlands Protection Act, N.J.S.A. 13:9B-25c
- Coastal Fringe Planning Areas, Coastal Rural Planning Areas, and Coastal Environmentally Sensitive Planning Area (Not applicable to Oakland)
- Environmentally sensitive areas in which 201 Facilities Plan grant limitations prohibit
 the extension of sewer service, if available (wetlands and flood prone areas as
 mapped by NJDEP based on a combination of FEMA, NJDEP and aerial photography
 data.)

Map 3 - Wastewater Service Area Map

The following planning area boundaries, wastewater-related jurisdictions, facilities, and wastewater service areas are identified on this map

- The land use capability zones established within the Highlands Regional Master Plan adopted by the Highlands Council pursuant to N.J.S.A. 13:20-8
- District boundaries of sewerage authority districts, as defined in N.J.S.A. 40:14A-3(6)
- Franchise areas for sewer utilities regulated by the Board of Public Utilities and other contractual boundaries defining sewer service area commitments or other legally binding arrangements (for example, sewerage agency members or contract customer communities)
- The location of each domestic and industrial wastewater treatment facility that is anticipated to exist in the future, including existing facilities that will remain in service, and the discharge outfall for each. The name and NJPDES permit number(s), if assigned, of each wastewater treatment facility shall be identified
- A delineation of sewer service areas, as determined in accordance with N.J.A.C. 7:15-4.4, differentiating that area that is:
 - Assigned sewer service area, differentiating between area that currently conveys sewage to each existing or proposed wastewater treatment facility and that which is proposed to convey sewage to each existing or proposed wastewater treatment facility; or
 - Unassigned sewer service area; and
 - A delineation of non-sewer service area

Map 4 - Zoning map(s)

Map depicting municipal parcel mapping, current composite or municipal zoning as used as the basis for the build-out analysis required pursuant to N.J.A.C. 7:15-4.5

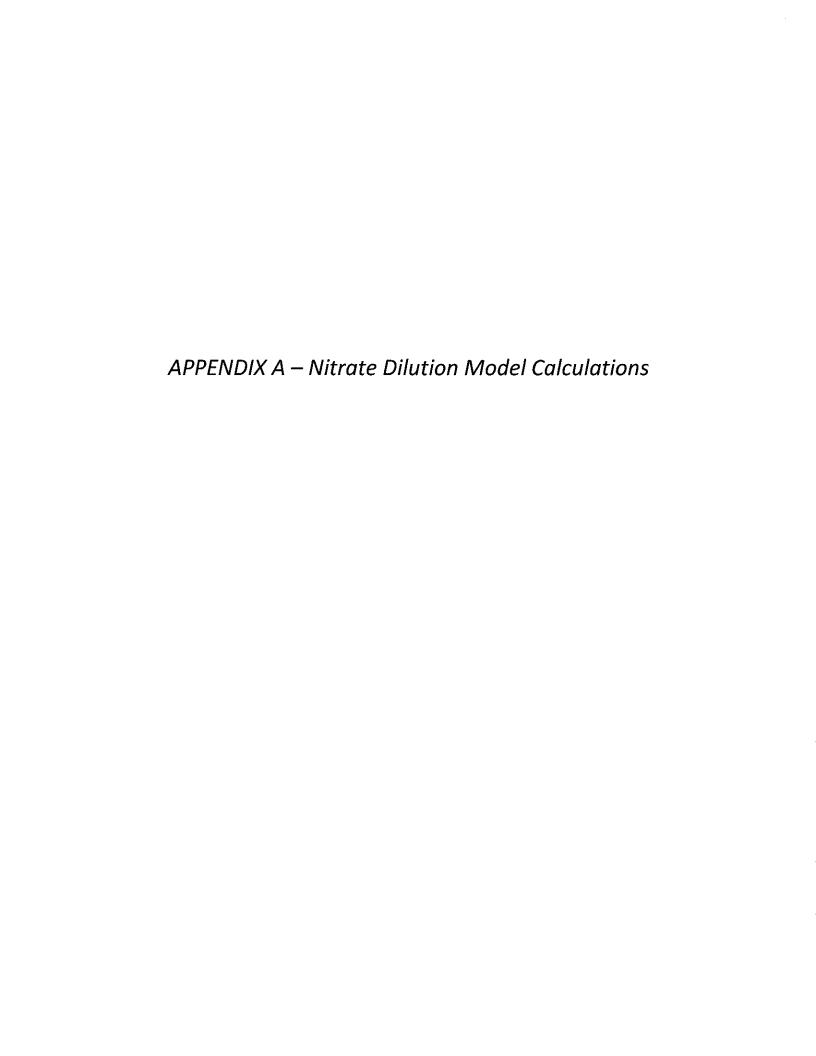
Map 5 – Vacant Land Map

<u>Developable Sewer Service Area</u> is the undeveloped land within the areas eligible for sewer service, which could be developed in the future, and of which the wastewater capacity analysis in the sewer service area is based.

IX. Conditions of the Wastewater Management Plan Approval

The following will be conditions of the Wastewater Management Plan approval:

- Future requests to amend the sewer service area, either through a regional/areawide amendment or a site specific amendment will require the import of water from outside the Ramapo basin to serve the project.
- The Borough will continue to explore Water Use and Conservation measures as set forth by the Highlands Council to ensure the efficient use of water in the Borough.
- The local permitting of the development of the Fanale and Bi-county tracts must include the import of water from outside the Ramapo Basin and the conveyance of wastewater in a manner that does not add to the 0.5 MGD interbasin transfer.
- The force main and pumps will be sized to limit the sewage exports from the basin to 0.5 MGD.
- The Borough will obtain the water allocation major modification permit prior to the submission of the Treatment Works Approval application for the construction of the wastewater interceptor. If the major modification to the Water Allocation permit cannot be issued in accordance with N.J.A.C. 7:19, then the proposed inter basin transfer cannot proceed.



Nitrate Dilution Model Calculations (Planning Area Only) ISSDS Calculation for Multiple Soil Types

٨	В	S	Q	В	u.	g	Ξ	_
HUC 11	Soil Map Unit Symbol	Soil Map Unit Name	Square Feet	Acres	Sum Acres	Septic Density by Soil Type	#ISSDS's (Column D/ Column E)	Average Septic Density for HUC11
02030103100	BohB	Boonton moderately well drained gravelly loam, 3 to 8 percent slopes	490,878	11.27				
	BohBb	Boonton moderately well drained gravelly loam, 0 to 8 percent slopes, very stony	847,345	19.45				
	BohC	Boonton moderately well drained gravelly loam, 8 to 15 percent slopes	858,004	19.70				
	BohCb	Boonton moderately well drained gravelly loam, 8 to 15 percent slopes, very stony	3,205,350	73.58				
	BohDb	Boonton moderately well drained gravelly loam, 15 to 25 percent slopes, very stony	1,687,474	38.74				
	BohE	Boonton moderately well drained gravelly loam, 25 to 45 percent slopes	348,178	7.99	170.74	4.60	37.12	
	BorB	Boonton moderately well drained-Rock outcrop complex, 3 to 8 percent slopes	286,911	6:29				
	BorC	Boonton moderately well drained-Rock outcrop complex, 8 to 15 percent slopes	1,155,905	26.54				
	BorD	Boonton moderately well drained-Rock outcrop complex, 15 to 25 percent slopes	648,168	14.88				
	BorE	Boonton moderately well drained-Rock outcrop complex, 25 to 45 percent slopes	473,401	10.87	58.87	4.90	12.01	
	BouB	Boonton-Urban land complex, 0 to 8 percent slopes	7,934,711	182.16				
	BouC	Boonton-Urban land complex, 8 to 15 percent slopes	27,846,836	639.28				
	BouD	Boonton-Urban land complex, 15 to 25 percent slopes	12,954,017	297.38	1,118.81	4.6	243.22	
	DuoB	Dunellen loam, 3 to 8 percent slopes	1,556,797	35.74				
	DuoC	Dunellen loam, 8 to 15 percent slopes	1,910,946	43.87				
	Doud	Dunellen loam, 15 to 25 percent slopes	877,869	20.15	92.76	3.90	25.58	
	DuuB	Dunellen-Urban land complex, 3 to 8 percent slopes	8,879,272	203.84				
	Duuc	Dunellen-Urban land complex, 8 to 15 percent slopes	6,576,346	150.97				
	Duud	Dunellen-Urban land complex, 15 to 25 percent slopes	49,958	1.15	355.96	3.90	91.27	
	FmhAt*	Fluvaquents, loamy, 0 to 3 percent slopes, frequently flooded*	1,502,262	34.49	34.49	N/A	N/A	
	HamBb	Haledon gravelly loam, 0 to 8 percent slopes, very stony	1,429,195	32.81	32.81	4.7	6.98	
	HasB	Haledon-Urban land complex, 3 to 8 percent slopes	5,776,871	132.62	132.62	4.7	28.22	
	HcsAb*	Hasbrouck loam, 0 to 3 percent slopes, very stony*	88,579	2.03	2.03	N/A	N/A	
	HhmBb	Hibernia loam, 0 to 8 percent slopes, very stony	155,509	3.57	3.57	4.6	0.78	
	OtsD	Otisville gravelly loamy sand, 15 to 25 percent slopes	1,255,910	28.83	28.83	3.5	8.24	
	PbuA	Pascack silt loam, 0 to 3 percent slopes	977,265	22.43	22.43	4.7	4.77	
	PHG	Pits, sand and gravel	4,327,598	99.35	99.35	3.4	29.22	
	RkrB	Riverhead sandy loam, 3 to 8 percent slopes	1,945,176	44.66				
	RkrC	Riverhead sandy loam, 8 to 15 percent slopes	2,697,083	61.92	106.57	3.90	27.33	
	ndh*	Udorthents, loamy, 0 to 8 percent slopes, frequently flooded	6,229,832	143.02				
	dbu	Udorthents, wet substratum, 0 to 8 percent slopes	3,284,362	75.40				
	ndbu	Udorthents, wet substratum-Urban land complex	6,330,159	145.32	363.74	N/A	N/A	
	UR*	Urban land*	11,225,009	257.69	257.69	N/A	N/A	
	WATER*	Water*	4,448,031	102.11	102.11	N/A	N/A	
* Soil type is not a	issigned a septic de	* Soil type is not assigned a septic density value from Recharge-Based Nitrate-Dilution Model for New Jersey V7.0 for Excel 2010	130,261,207	2,990	2,990	4.25	514.73	5.81

^{**}Weighted average is calculated for all soil types that are assigned a septic density value.

Overall Avg Spectic Density

Maximum Dwellings

Weighted Average**

Totals

Areas not included in Septic Density calculations (Hydric Soils, Urban Land, Water) These areas are represented to determine total land area in acres.

Areas included in Septic Density calculations.

COMMERCIAL BUILDING CALCULATIONS (ENTIRE BOROUGH)

The state of the s	No. of	Building		iniz izgraryatin	Non-Residential	Equivalent Dwelling
FID No.	Stories	Footprint (SF)	(SF)	Area (Acres)	Flow	Units (EDU)
0	1	20,514	20,514	0.5	2,564	5.1
	in in it	32,119	32,119	0.7	4,015	8.0
2	1	41,844	41,844	1.0	5,231	10.5
30003	- 2	40,546	81,092	1.9	10,137	20.3
4	1	60,239	60,239	1.4	7,530	15.1
20 12 15 20 30	2	99,035	198,070	4.5	24,759	49.5
6	1	49,453	49,453	1.1	6,182	12.4
1	103	39,305	39,305	0.9	4,913	9.8
8	1	42,583	42,583	1.0	5,323	10.6
9	1	19,790	19,790	0.5	2,474	4.9
10	1	31,227	31,227	0.7	3,903	7.8
11	2	187,598	375,196	8.6	46,899	93,8
12	2	72,628	145,256	3.3	18,157	36.3
13	2	94,501	189,002	4.3	23,625	47,3
14	1	152,921	152,921	3.5	19,115	38.2
15	1	28,150	28,150	0.6	3,519	7.0 5.1
16	1	20,397	20,397	0.5 0.1	2,550 50 9	3.1 (1.0
17 18	1	4,068 40,564	4,068 40,564	0.1	5,071	10.1
19	2	31,532	63,065	1.4	7,883	15.8
20	1	44,519	44,519	1.0	5,565	11.1
21		36,517	36,517	0.8	4,565	9.1
22	1	23,885	23,885	0.5	2,986	6.0
23		40,880	40,880	0.9	5,110	10,2
24	2	25,996	51,993	1.2	6,499	13.0
25	2	30,573	61,145	1.4	7,643	15.3
26	2	23,532	47,064	1.1	5,883	11.8
27	2	3,792	7,584	0,2	948	1.9
28	2	41,429	82,858	1.9	10,357	20.7
29		44,135	132,406	3,0	16,551	33.1
30	3	44,346	133,038	3.1	16,630	33.3
31	1	45,315	45,315	1.0	5,664	11.3
32	2	46,787	93,574	2.1	11,697	23.4
33	3	12,928	38,784	0.9 0.1	4,848 489	9.7
34 35	1	3,914 2,412	3,914 2,412	0.1	301	0.6
36	2	2,412	2,412 4,668	0.1	583	1.2
37	1	2,554 859	859	0.0	107	0.2
38	1	96,781	96,781	2.2	12,098	24.2
39	2	21,264	42,528	1.0	5,316	10.6
40	3	4,634	13,903	0.3	1,738	3.5
41	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3,773	3,773	0.1	472	0.9
42	2	5,735	11,469	0.3	1,434	2.9
43	### 1 .000	4,248	4,248	0.1	531	1.1

	No. of	Building	Total Floor Area	a Total Floor	Non-Residential	Equivalent Dwelling
FID No.	<u>Stories</u>	Footprint (SF)	<u>(SF)</u>	Area (Acres)	<u>Flow</u>	<u>Units (EDU)</u>
44	1	5,454	5,454	0.1	682	1.4
45	4.50	2,427	2,427	0.1	303	0.6
46	1	5,805	5,805	0.1	726	1.5
47	1	3,597	3,597	0.1	450	0,9
48	2	6,090	12,180	0.3	1,522	3.0
49	2	4,136	8,272	0.2	1,034	2.1
50	2	8,061	16,122	0.4	2,015	4.0
51	2	15,296	30,592	0.7	3,824	7.6
52	1	8,059	8,059	0.2	1,007	2.0
53	2	2,749	5,497	0.1	687	
54	2	1,580	3,159	0.1	395	0.8
55	****** 2 ******	13,493	26,986	0.6	3,373	6.7
56	2	4,661	9,321	0.2	1,165	2.3
57	1436	1,022	1,022	0.0	128	0.3
58	1	1,084	1,084	0.0	135	0.3
59	2	14,100	28,200	0.6	3,525	7.0
60	2	35,929	71,858	1.6	8,982	18.0
61	2	32,623	65,247	1.5	8,156	16.3
62	1	20,869	20,869	0.5	2,609	5.2
63	2	35,293	70,585	1.6	8,823	17.6
64	2	35,476	70,952	1.6	8,869	17.7
65	2	35,076	70,152	1.6	8,769	17.5
66	1	24,170	24,170	0.6	3,021	6.0
67	2	15,738	31,475	0.7	3,934	7.9
68	2	12,964	25,928	0.6	3,241	6.5
69	1	13,276	13,276	0.3	1,660	3.3
70	1	2,793	2,793	0.1	349	0.7
71		6,467	6,467	0.1	808	1.6
72	1	2,508	2,508	0.1	314	0.6
73		21,072	42,145	1.0	5,268	10.5
74	1	6,238	6,238	0.1	780	1.6
75		33,628	33,628	0.8	4,204	8.4
76	1	46,110	46,110	1.1	5,764	11.5
77	100	21,032	21,032	0.5	2,629	
78	2	10,660	21,320	0.5	2,665	5.3
79	8 64 2	4,859	9,719	0.2	1,215	2.4
80	1	5,299	5,299	0.1	662	1.3
81	4 = 1 = 5	9,282	9,282	0,2	1,160	2.3
82	1	6,006	6,006	0.1	751	1.5
83		2,966	2,966	0.1	371	0.7
84	1	4,478	4,478	0.1	560	1.1
85	2	15,299	30,598	0.7	3,825	7.6
86	1	1,054	1,054	0.0	132	0.3
87	1	3,215	3,215	0.1	402	0.8

	No. of	Building	Total Floor Area	Total Floor	Non-Residential	Equivalent Dwelling
FID No.	Stories	Footprint (SF)	(SF)	Area (Acres)	<u>Flow</u>	<u>Units (EDU)</u>
88	1	8,718	8,718	0.2	1,090	2.2
89	1	30,138	30,138	0.7	3,767	7.5
90	1	48,951	48,951	1.1	6,119	12.2
91	1	40,760	40,760	0.9	5,095	10.2
92	2	14,707	29,413	0.7	3,677	7.4
93		5,673	5,673	0.1	709	1,4
94	1	3,596	3,596	0.1	449	0.9
95	9.11	3,221	3,221	0.1	403	0.8
96	1	3,535	3,535	0.1	442	0.9
97	1	2,213	2,213	0.1	277 (Elline)	0.6
98	1	7,072	7,072	0.2	884	1.8
99		3,663	3,663	0.1	458	0.9
100	1	1,224	1,224	0.0	153	0.3 12.7
101	2	25,304	50,607	1.2	6,326 484	1.0
102	1	3,874	3,874	0.1 0.2	484 858	1.0
103	2	6,861	6,861	0.5	2,911	5.8
104 105		11,643 77,180	23,287 77 ,180	1.8	9,648	19.3
105 106	2	3,200	6,400	0.1	800	1.6
107	2	11,019	22,037	0.5	2,755	55
108	1	15,482	15,482	0.4	1,935	3.9
109		2,950	2,950	0.1	369	0.7
110	2	4,942	9,883	0.2	1,235	2.5
	2	3,770	7,539	0.2	942	<u>1.9</u>
112	1	2,019	2,019	0.0	252	0.5
1113	1	38,796	38,796	0.9	4,849	9.7
114	2	10,032	20,064	0.5	2,508	5.0
115	1	29,547	29,547	0.7	3,693	7.4
116	1	4,768	4,768	0.1	596	1.2
117	160	7,630	7,630	0.2	954	1,9
118	1	2,426	2,426	0.1	303	0.6
119	2	1,492	2,985	0.1	373	0.7
120	1	1,562	1,562	0.0	195	0.4
121	1 1	7,504	7,504	0.2	938	1.9
122	1	2,469	2,469	0.1	309	0.6
123	. 2	2,017	4,034	0.1	504	1.0
124	1	3,027	3,027	0.1	378	0.8
125	1	2,701	2,701	0.1	338	0.7
126	<u>2</u>	3,104	6,208	0.1	776	1.6
127	1	2,002	2,002	0.0	250	0.5
128	2	1,836	3,673	0.1	459	0.9
129	1	4,698	4,698	0.1	587	1.2
130	2	1,899	3,799	0.1	475	0.9
131	2	766	1,533	0.0	192	0.4

	<u>No. of</u>	Building	Total Floor Area	Total Floor	Non-Residential	Equivalent Dwelling
<u>FID No.</u>	<u>Stories</u>	Footprint (SF)	(SF)	Area (Acres)	<u>Flow</u>	Units (EDU)
132	1	2,039	2,039	0.0	255	0.5
133	1	903	903	0.0	113	0.2
134	1	1,359	1,359	0.0	170	0.3
135	$\ddot{1}$	1,737	1,737	0.0	217	0.4
136	1	833	833	0.0	104	0.2
137	2	969	1,938	0.0	242	0.5
138	1	136,702	136,702	3.1	17,088	34.2
139	12 13 13 13 13 13 13 13 13 13 13 13 13 13 1	193,779	290,668	6.7	36,334	72.7
140	1	22,808	22,808	0.5	2,851	5.7
141		14,824	29,647	0.7	3,706	7.4
142	2	23,514	47,027	1.1	5,878	11.8
143		5,782	5,782	0.1	723	1.4
144	2	48,476	96,953	2.2	12,119	24.2
145	austra sesa	24,882	24,882	0.6	3,110	6.2
146	1	2,301	2,301	0.1	288	0.6
147	2	1,041	2,081	0.0	260	0.5
148	2	2,794	5,588	0.1	698	1.4
149	2 × 10	35,303	70,606	1,6	8,826	17.7
150	1	3,009	3,009	0.1	376	0.8
151	2	96,544	193,089	4.4	24,136	48.3
152	2	12,446	24,892	0.6	3,111	6.2
153	134	6,918	6,918	0.2	865	1.7
154	1	7,490	7,490	0.2	936	1.9
155	1 1 2	4,514	4,514	0.1	564	11
156	1	13,755	13,755	0.3	1,719	3.4
157	2	2,146	4,292	0.1	537	11
158	2	3,522	7,044	0.2	880	1.8
159		2,437	2,437	0.1	305	0.6
160	2	3,186	6,371	0.1	796	1.6
161	2	1,453	2,906	0.1	363	0.7
162	1	3,752	3,752	0.1	469	0.9
163		870	870	0.0	109	0.2
164	1	2,294	2,294	0.1	287	0.6
165	s. 1111	13,504	13,504	0.3	1,688	3.4
166	1	1,715	1,715	0.0	214	0.4
167		3,316	3,316	0.1	414	0.8
168	2	2,733	5,465	0.1	683	1.4
169	2	4,646	9,292	0.2	1,162	2.3
170	2	1,630	3,260	0.1	407	0.8
171	11	1,718	1,718	0.0	215	0.4
172	1	988	988	0.0	123	0.2
173	1	5,598	5,598	0.1	700	1,4
174	1	3,497	3,497	0.1	437	0.9
175	2	1,333	2,666	0.1	333	0.7

FID No.	No. of Stories	Building Footprint (SF)	Total Floor Area (SF)	Total Floor Area (Acres)	Non-Residential Flow	Equivalent Dwelling Units (EDU)
176	2	6,017	12,033	0.3	1,504	3.0
177	2	984	1,968	0.0	246	0.5
178	2	3,198	6,396	0.1	799	1.6
179	30 LS 1	779	779	0.0	97	0.2
180	1	7,350	7,350	0.2	919	1.8
181	1	734	734	0.0	92	0.2
182	2	38,313	76,625	1.8	9,578	19.2
183	2	3,271	6,542	0.2	818	1.6
184	1	4,478	4,478	0.1	560	1.1
185	1	63,597	63,597	1.5	7,950	15.9
186	2	2,403	4,806	0.1	601	1.2
187		2,228	2,228	0.1	278	0.6
188	2	4,415	8,830	0.2	1,104	2.2
189	44 1 2 1 1 1 1	1,650	3,300	0.1	413	0.8
190	2	3,200	6,400	0.1	800	1.6
191	45 T 1 5 5	1,993	1,993	0.0	249	0.5
192	2	30,570	61,139	1.4	7,642	15.3
193	3	44,798	134,393	3.1	16,799	33.6
194	2	2,711	5,423	0.1	678	1.4

Total Floor Area (SF)	<u>5,599,366</u>
Total Floor Area (Acres)	<u>129</u>
<u>Total EDU's</u>	<u>1,400</u>

^{*} Equivalent Dwelling Units (EDU's) were calculated by converting the total SF of commercial properties within the Borough of Oakland and multiplying it by the Wastewater Flow Factor of 0.125 gallons per day (gpd) as per N.J.A.C.7-9A-7.4. The total flow of non-residential development was then divided by 500gpd to generate the resulting number of Equivalent Dwelling Units.

COMMERCIAL BUILDING CALCULATIONS (PLANNING AREA ONLY)

	No. of	Building	Total Floor Are	a Total Floor	Non-Residential	Equivalent Dwelling
FID No.	Stories	Footprint (SF)	(SF)	Area (Acres)	<u>Flow</u>	<u>Units (EDU)</u>
0	1	20,514	20,514	0.5	2,564	5.1
	1	32,119	32,119	07	4.015	8.0
2	1	41,844	41,844	1.0	5,231	10.5
3	45 14 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	40,546	81,092	1,9	10,137	20.3
4	1	60,239	60,239	1.4	7,530	15.1
5	2	99,035	198,070	4.5	24,759	49.5
6	1	49,453	49,453	1.1	6,182	12.4
7 7	e de la composition	39,305	39,305	0.9	4,913	9.8
8	1	42,583	42,583	1.0	5,323	10.6
9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19,790	19,790	0,5	2,474	4.9
10	1	31,227	31,227	0.7	3,903	7.8
11	2	187,598	375,196	8.6	46,900	93.8
12	2	72,628	145,256	3.3	18,157	36.3
13	2	94,501	189,002	4,3	23,625	47,3
14	1	152,921	152,921	3.5	19,115	38.2
15		28,150	28,150	0.6	3,519 E	
16	1	20,397	20,397	0.5	2,550	5.1
17		4,068	4,068	0.1	509	1.0
18	1	40,564	40,564	0.9	5,071	10.1
19	2 · · · · · · · · · · · · · · · · · · ·	31,532	63,064	14	7,883	15.8 (Silver) 20
20	1	44,519	44,519	1.0	5,565	11.1 9.1
21		36,517	36,517	0.8	4,565	6.0
22	1	23,885	23,885	0.5 0.9	2,986 5,110	10:2
23	1	40,880	40,880 51,992	1.2	6,499	13.0
24 25	2	25,996 30, 573	61,146	1,2 1,4	7,643	15.3
26	2 2 2	23,532	47,064	1.1	5,883	11.8
27	2 2	3,792	7,584	0.2	948	1.9
28	2	41,429	82,858	1.9	10,357	20.7
29	3	44,135	132,405	3.0	16,551	33.1
30	3	44,346	133,038	3.1	16,630	33.3
31	1	45,315	45,315	1.0	5,664	11.3
32	2	46,787	93,574	2.1	11,697	23.4
33	3	12,928	38,784	0.9	4,848	9.7
34	2	5,735	11,470	0.3	1,434	2.9
35		4,248	4,248	0.1	531	1.1
36	1	5,454	5,454	0.1	682	1.4
37	56 veles 1 5 veles 56 ÷ 6 1 2 cc	2,427	2,427	0.1	303	0.6
38	1	5,805	5,805	0.1	726	1.5
39	1	3,597	3,597	0.1	450	0.9
40	2	6,090	12,180	0.3	1,523	3.0
41	2	4,136	8,272	0.2	1,034	2.1
42	2	8,061	16,122	0.4	2,015	4.0
43	2	15,296	30,592	0.7	3,824	7.6

	No. of	<u>Building</u>	<u>Total Floor Area</u>	<u>Total Floor</u>	Non-Residential	Equivalent Dwellin
FID No.	<u>Stories</u>	Footprint (SF)	<u>(SF)</u>	Area (Acres)	<u>Flow</u>	<u>Units (EDU)</u>
44	1	1,022	1,022	0.0	128	0.3
45	1.1	1,084	1,084	0.0	136	0.3
46	2	14,100	28,200	0.6	3,525	7.1
47	2	35,929	71,858	1.6	8,982	18.0
48	2	32,623	65,246	1.5	8,156	16.3
49		20,869	20,869	0.5	2,609	5.2
50	2	35,293	70,586	1.6	8,823	17.6
51	2	35,476	70,952	1.6	8,869	17.7
52	2	35,076	70,152	1.6	8,769	17.5
53	1	24,170	24,170	0.6	3,021	6.0
54	2	15,738	31,476	0.7	3,935	7.9
55	### 2 ###	12,964	25,928	0.6	3,241	6.5
56	1	13,276	13,276	0.3	1,660	3.3
57		2,793	2,793	0.1	349	0.7
58	1	3,596	3,596	0.1	450	0.9
59	di di e g enti	3,535	3,535	0.1	442	0.9
60	1	2,213	2,213	0.1	277	0.6
61		7,072	7,072	0.2	884	1.8
62	1	3,663	3,663	0.1	458	0.9
63		1,224	1,224	0.0	153	0.3
64	2	25,304	50,608	1.2	6,326	12.7
65	9: E0:21	3,874	3,874	0.1	484	1.0
66	1	6,861	6,861	0.2	858	1.7
67	2	11,643	23,286	0.5	2,911	5.8
68	1	77,180	77,180	1.8	9,648	19.3
69	_ 	3,200	6,400	8.04 P.0.1	800	1.6
70	2	11,019	22,038	0.5	2,755	5.5
71		15,482	15,482	0.4	1,935	3.9
72	1	2,950	2,950	0.1	369	0.7
73	<u> </u>	4,942	9,884	0.2	1,236	2.5
74	2	3,770	7,540	0.2	943	1.9
7.5	ii ii ii ii l	2,019	2,019	0.0	252	0.5
76	1	38,796	38,796	0.9	4,850	9.7
77	2	10,032	20,064	0.5	2,508	5.0
78	1	29,547	29,547	0.7	3,693	7.4
79	i i i i i i i i i i i i i i i i i i i	4,768	4,768	0,1	596	1,2
80	1	7,630	7,630	0.2	954	1.9
81	1	2,426	2,426	0.1	303	0.6
82	2	1,492	2,984	0.1	373	0.7
83	1	1,452	1,562	0.0	195	0,4
84	<u>1</u>	7,504	7,504	0.2	938	1.9
	<u> </u>	7,304 2,469	2,469	0.1	309	0.6
85	2	2,40 3 2,017	4,034	0.1	504	1.0
86 87	1	2,017 3,027	4,034 3,027	0.1	378	0.8

	No. of	Building	Total Floor Area	Total Floor	Non-Residential	Equivalent Dwelling
<u>FID No.</u>	Stories	Footprint (SF)	(SF)	Area (Acres)	<u>Flow</u>	<u>Units (EDU)</u>
88	1	2,701	2,701	0.1	338	0.7
89	2.00	3,104	6,208	0,1	776	1.6
90	1	2,002	2,002	0.0	250	0.5
91	2	1,836	3,672	0.1	459	0.9
92	1	4,698	4,698	0.1	587	1.2
93	2	1,899	3,798	0.1	475	0.9
94	2	766	1,532	0.0	192	0.4
95		2,039	2,039	0,0	255	05
96	1	903	903	0.0	113	0.2
97	100000	1,359	1,359	0.0	170	0.3
98	1	1,737	1,737	0.0	217	0.4
99		833	833	0.0	104	0.2
100	2 (ge)18: (\$ 1 :32:22:01)	969	1,938	0.0 3.1	242 17,088	0.5 34.2
101	4 -	136,702	136,702 290,669	6.7	36,334	72.7
102	1.5 1	193,779 22,808	290,009	0.7	2,851	5.7
103 104	2	14,824	29,648	0.7	3,706	7.4
104	2 2	23,514	47,028	0.7 14.114 (1)	5,879	11.8
106	1	5,782	5,782	0.1	723	1.4
107	2	48,476	96,952	2.2	12,119	24.2
108	1	24,882	24,882	0.6	3,110	6.2
109		2,301	2,301		288	0.6
110	2	1,041	2,082	0.0	260	0.5
111	2	2,794	5,588	0.1	699	1.4
112	2	35,303	70,606	1.6	8,826	17.7
113	epagae l ik (g.	3,009	3,009	0.1	376	0.8
114	2	96,544	193,088	4.4	24,136	48.3
115)	12,446	24,892	0.6	3,112	6.2
116	1	6,918	6,918	0.2	865	1.7
117	5.2.41	7,490	7,490	0.2	936	1.9
118	1	4,514	4,514	0.1	564	1.1
119	1	13,755	13,755	0.3	1,719	3.4
120	2	2,146	4,292	0.1	537	1.1
121	2	3,522	7,044	0,2	881	1.8
122	1	2,437	2,437	0.1	305	0.6
123	2	3,186	6,372	0.1	797	1.6
124	2	1,453	2,906	0.1	363	0.7
125	1	3,752	3,752	0.1	469	0.9
126	1	870	870	0.0	109	0.2
127	1	2,294	2,294	0.1 0.3	287 1,688	0.6 3.4
128	1	13,504	13,504	0.0	214	3.4 0.4
129	1	1,715	1,715 3,316	0.1	415	0.8
130	1	3,316		0.1	683	1.4
131	2	2,733	5,466	U.1	COU	1.4

FID No.	No. of Stories	Building Footprint (SF)	Total Floor Area (SF)	Total Floor Area (Acres)	Non-Residential Flow	Equivalent Dwelling Units (EDU)
132	2	4,646	9,292	0.2	1,162	2.3
133	2 2	1,630	3,260	0.1	408	0.8
134	1	1,718	1,718	0.0	215	0.4
135	1	988	988	0,0	124	0.2
136	1	5,598	5,598	0.1	700	1.4
137	1	3,497	3,497	0.1	437	0.9
138	2	1,333	2,666	0.1	333	0.7
139	2	6,017	12,034	0.3	1,504	3.0
140	2	984	1,968	0.0	246	0.5
141	2	3,198	6,396	0.1	800	1.6
142	1	779	779	0.0	97	0.2
143		7,350	7,350	0.2	919	1.8
144	1	734	734	0.0	92	0.2
145	2	38,313	76,626	1.8	9,578	19.2
146	2	3,271	6,542	0.2	818	1.6
147	1	4,478	4,478	0.1	560	1.1
148	1	63,597	63 <i>,</i> 597	1.5	7,950	15.9
149	2	2,403	4,806	0.1	601	1.2
150	1	2,228	2,228	0.1	279	0.6
151	2	4,415	8,830	0.2	1,104	6 Tariente (le 2,2 les listes de 16)
152	2	1,650	3,300	0.1	413	0.8
153	2 2 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3,200	6,400	0.1	800	1.6
154	1	1,993	1,993	0.0	249	0.5
155	2	30,570	61,140	1,4	7,643	15.3
156	2	2,711	5,422	0.1	678	1.4

 Total Floor Area (SF)
 4,824,174

 Total Floor Area (Acres)
 111

 Total EDU's
 1,206

^{*} Equivalent Dwelling Units (EDU's) were calculated by converting the total SF of commercial properties within the Borough of Oakland and multiplying it by the Wastewater Flow Factor of 0.125 gallons per day (gpd) as per N.J.A.C.7-9A-7.4. The total flow of non-residential development was then divided by 500gpd to generate the resulting number of Equivalent Dwelling Units.



Oakland Borough Municipal Build-Out Report

Prepared by the State of New Jersey Highlands Water Protection and Planning Council in Support of the Highlands Regional Master Plan: Report on the Results of Modules 1 and 2 of the 2009 Plan Conformance Process

August 2009

OAKLAND BOROUGH MUNICIPAL BUILD-OUT REPORT

for HIGHLANDS REGIONAL MASTER PLAN CONFORMANCE

Purpose and Scope

The Highlands Regional Master Plan (RMP) requires that conforming municipalities develop a local build-out analysis that incorporates the policies and objectives of the RMP. Specifically, conforming municipalities are required to "use the Highlands Build-Out Model to develop a local build-out analysis that incorporates RMP policies and objectives to evaluate land use capability and capacity planning" (Objective 6G4c). The RMP build-out process requires a Limiting Factor Analysis to examine three categories of constraints:

- 1. Land Based Capacity (potential developable lands);
- 2. Resource Based Capacity (Septic System Yield and Net Water Availability); and
- 3. Utility Based Capacity (public water and wastewater).

This Municipal Build-Out Report provides the results of the local build-out analysis based on potential developable lands and existing municipal conditions, including sewer and water supply capacity and Net Water Availability where relevant. It incorporates the results of the first two modules of the 2009 Plan Conformance Grants Program: Module 1 "Current Municipal Conditions and Build-Out Analysis," and Module 2 "Land Use and Resource Capacity Analysis." Both modules were completed through a detailed process involving a cooperative effort of the municipality and the Highlands Council. This process was designed to ensure use of the most current municipal information available and proper application of RMP requirements in the conduct of all analyses. The results for Oakland Borough are presented in the section "Full Build-Out and Constraints Summary" and tabulated in Table 4 below.

The results of the local build-out analysis are for use by conforming municipalities for other planning activities required for Plan Conformance, such as development of Fair Share Plans addressing affordable housing obligations (Module 3). They also will be useful in complying with the New Jersey Department of Environmental Protection (NJDEP) wastewater management planning requirements under the Water Quality Management Planning rules at N.J.A.C. 7:15-5. The results are intended to assess current municipal conditions as they relate to specific RMP policies and objectives. It is important to note that the build-out analysis incorporates many but not every constraint to development included in the RMP, State regulations or local zoning. Future activities under Plan Conformance will address issues such as more refined or current analyses of land availability, resource capacity, resource protection and utility capacity that may modify these results to either increase or decrease the projected build out of the municipality (e.g., reducing build-out

Municipal Build-Out Report for Oakland Borough

projections through land preservation, increasing build-out projections by increasing Net Water Availability or designation of Highlands Redevelopment Areas).

The results of the municipal build-out analysis are designed to be utilized at a municipal scale and are not appropriate for determining if a particular parcel or development project is consistent with the RMP. Therefore, the Highlands Build-Out Model is not intended to be applied at a parcel level to determine the development potential of that parcel, as the municipality must apply additional planning and zoning analyses to determine appropriate future sustainable development.

All of the data and figures regarding specific parcels, including, but not limited to, preserved lands and water and sewer service, are based on a review of currently available information; however, unintentional inaccuracies may occur and may be formally addressed as RMP Updates. Any request for a formal determination to address updated information may be submitted to the Highlands Council in accordance with the RMP policies and procedures for RMP Updates. In addition, this report does not address any Map Adjustments that a municipality may seek to revise the Land Use Capability Zone Map; these will be addressed at a later date.

It is critical to note that this build-out analysis was conducted based on the requirements of Plan Conformance with the RMP, as applied to parcels deemed potentially developable (vacant, oversized and redevelopable) as of early 2009. These results do not include:

- development that has been approved but not completed as of early 2009, which may yield more or less growth than the build-out results calculated for the affected parcels;
- the potential impact of some future development that may be deemed exempt from the Highlands Act, which may yield more or less growth than the build-out results calculated for those lands:¹
- the potential impact of future redevelopment that may be approved through designation of Highlands Redevelopment Areas or other approvals granted with waivers as authorized by the Highlands Act, which may yield more growth than the build-out results calculated for those lands;
- the potential impact of certain land use restrictions based on State regulations and local ordinances that could not be assessed through a municipal level of analysis; and

¹ Where such development is located in an approved wastewater service area in the RMP Existing Community Zone (not including the Environmentally-Constrained Sub-Zone) or the Lake Community Sub-Zone, the results should be similar because the build-out analysis used local zoning. Future developments that may be authorized within the Environmentally-Constrained Sub-Zones, Protection Zone or Conservation Zone that use public or community on-site wastewater systems will have significantly different yields than calculated through the RMP build-out process. Likewise, the Septic System Yields for lands that will rely on septic systems may be significantly different from what those allowed by current municipal zoning.

Municipal Build-Out Report for Oakland Borough

• any reductions in build-out projections due to land preservation for open space or farmland beyond those preserved lands identified by the municipality through Module 1.

Therefore, the Highlands Municipal Build-Out Report for a municipality is a result of current conditions and application of RMP requirements. It provides a critical planning tool but cannot be used as a definitive prediction of the future or as a basis for parcel-based development potential.

This is a final Municipal Build-Out Report, which supersedes the Module 1 Summary Report. The results may be used in Module 3 by the municipality in support of its Housing Element and Fair Share Plan and other relevant purposes.

Report Structure

This Highlands Council report is based on the municipal build-out results from Modules 1 and 2 performed by Oakland Borough and the Highlands Council, in conformance with the Highlands Regional Master Plan (RMP). These results include consideration of potential land availability, utility capacity, municipal zoning in wastewater utility service areas, Septic System Yield and Net Water Availability in accordance with the RMP. The RMP build-out analysis estimates the potential for new development in Oakland Borough, for the entire municipality (see Full Build-Out and Constraints Summary, below).

First, the analysis addressed the build-out potential of the available lands, assuming application of RMP requirements for septic system yields and utility service areas without constraints related to the available capacity of public water supply and wastewater utilities or Net Water Availability. Essentially, the land-based build out represents the maximum potential for development in conformance with the RMP if no other constraints exist. Where sewered development is in conformance with the RMP, municipal zoning is used to determine build-out potential. Where septic systems will be used, the RMP requirements apply and the resulting septic system yield is assumed to be entirely residential in nature. To the extent that septic system capacity is used for non-residential development based on a proportional reallocation from residential development, the projected growth will be different than those reported above. Any reallocations of septic system yield will be addressed in Module 3 – Housing Element and Fair Share Plan.

Second, the public water supply and wastewater demands of development projected for the utility service area are compared to the utility capacity available to the municipality, regarding both public water supply and wastewater utilities. Where capacity is insufficient to support the build-out demand, the build-out estimates are reduced.

Third, the resulting water supply demands from build out in both public water supply utility service areas and domestic well service areas are compared to the Net Water Availability for the HUC14 subwatershed. In many cases, this step required information regarding water supply demands from other municipalities, so that the full demands against each HUC14 subwatershed could be assessed. Again, where Net Water Availability is insufficient to support the build-out demand, the build-out estimates are reduced.

Finally, where a wastewater utility had available capacity for a municipality after meeting all build-out demands, the Highlands Council investigated whether sufficient Net Water Availability exists to support the use of all or part of that wastewater utility capacity for such purposes as affordable housing, TDR Receiving Zones and other purposes supported by the RMP.

This report also includes a discussion of technical methods used in the build-out process, including quality control assessments and build-out impact factors.

Full Buikl-Out and Constraints Summary for Oakland Borough

Overview

The Oakland Borough is located within both the Preservation Area and Planning Area. The RMP build-out analysis for Oakland Borough estimates the following new development results for potential developable lands for the entire municipality, which are discussed in detail in the following section and summarized in Table 4:

- 1. <u>Development in Wastewater Utility Service Areas</u>: 0 residential dwelling units and 0 square feet of non-residential development, resulting in a wastewater demand of 0 gallons per day (gpd), or 0 million gallons per day (MGD), and estimated public water supply demands of 0 gpd, or 0 MGD.
- 2. <u>Development in Septic System Areas</u>: 16 septic systems in the Planning Area for all RMP Land Use Capability Zones and HUC14 subwatersheds, and 0septic systems in the Preservation Area.

The build-out results based on potential developable lands are not constrained by water supply utility capacity and wastewater utility capacity. The water supply demands from the build-out are not constrained by water availability.

Municipal Capacity Conditions and Analysis

A summary of findings on municipal build-out capacity conditions appears in Table 1. It includes the following: potential developable vacant, over-sized and redevelopable lands in the RMP wastewater utility area; potential developable vacant, over-sized and redevelopable parcels in the septic system areas; RMP Septic System Yield; RMP Build-Out Environmentally Constrained lands; available wastewater utility capacity; and available Public Community Water Supply utility capacity.

All figures are the results of an RMP consistency analysis applied to the information supplied by the Highlands Council, as supplemented and verified by Oakland Borough. Each Figure shows all of the parcels that were used in the build-out process, whether for Septic System Yield or for build out of RMP wastewater utility areas.

- Figure 1 presents the parcel-based potential developable lands and their association with HUC14 subwatersheds and Land Use Capability Zones, which relate to the RMP Septic System Yield values where the parcels will be served by septic systems.
- Figure 2 presents the parcel-based potential developable lands and the RMP Build-Out Environmentally Constrained lands (i.e., steep slopes, flood prone areas and Highlands Open Water buffers). Some of these areas are within the RMP Environmentally-Constrained Sub-Zones while others are smaller-scale environmental features outside those sub-zones.

Municipal Build-Out Report for Oakland Borough

- Figure 3 presents the parcel-based potential developable lands and their association with the RMP utility area² for RMP HDSF³ wastewater utilities.
- Figure 4 presents the parcel-based potential developable lands associated with the RMP utility area⁴ for RMP Public Community Water System utilities.

RMP Build-Out Developable Land, Over-Sized Lot Analysis and Redevelopable Land

Oakland Borough identified 219 acres of potential developable vacant lots and 10 acres of potential developable lands on over-sized lots within areas that will be served by septic systems, for a total of 229 acres of potential developable Septic System Yield lands. These lands were used as the basis for Septic System Yield, regardless of the extent to which any of the lands were steep slopes, flood prone areas or Highlands Open Water buffers.

In addition, there are no (0) acres of potential developable vacant lands and no (0) acres of identified potential redevelopable land (either over-sized lots or specifically identified by the municipality as being a redevelopment target) within the Existing Area Served by utilities. The municipal information for potential developable lands, over-sized lots and redevelopable land was evaluated by the Highlands Council in accordance with the RMP for the build-out analysis. The results for all report figures are summarized in Table 1.

RMP Septic System Yield Analysis

There are three (3) HUC14 subwatersheds located entirely or partially within the Planning Area of Oakland Borough. The RMP Septic System Yield analysis for the Planning Area determined a yield of 0 units for the Conservation Zone, 14 units for the Existing Community Zone and 2 units for the Protection Zone. The RMP Septic System Yield analysis determined a yield of 0 units for the Preservation Area. The total RMP Septic System Yield for Oakland Borough is 16 units. Refer to Table 1 and Figure 1 for additional details.

² The RMP utility area for wastewater includes the Existing Areas Served based on the RMP, plus any NJDEP-approved Sewer Service Area that is within the Existing Community Zone (not including the Environmentally-Constrained Sub-Zone) or the Lake Community Sub-Zone.

³ HDSF - Highlands Domestic Sewerage Facility. These are wastewater treatment works that provide wastewater treatment primarily of sanitary sewage rather than industrial wastewater as a public utility, and may include service areas and treatment capacities sufficient to support redevelopment and regional growth opportunities. As such, they provide service to multiple parcels under different ownership, rather than to specific developments (e.g., schools, shopping centers, public institutions).

⁴ The RMP utility area for public water supply includes the Existing Areas Served based on the RMP, plus any additional properties identified by the municipality that are within the Existing Community Zone (not including the Environmentally-Constrained Sub-Zone) or the Lake Community Sub-Zone.

Municipal Build-Out Report for Oakland Borough

The build out for septic systems in the Preservation Area identifies the number of septic systems that would be considered permissible under the NJDEP Preservation Area Rules at N.J.A.C. 7:38-3.4. Each vacant or over-sized lot identified through Module 1 and 2 was assessed to determine whether it was of sufficient size to accommodate one or more septic systems, based on NJDEP requirements for 1 unit per 25 acres of non-forested lands, 1 unit per 88 acres of forested lands, or some proportional combination thereof. The yield is assigned by parcel, not by aggregate acreage across multiple parcels, and is compiled for the entire Preservation Area of the municipality as shown in Table 1. Parcels that were too small to accommodate a new septic system under these provisions received no Septic System Yield.

In the Planning Area, the build out for septic systems is based on a yield evaluation for the aggregate of two areas: the acreage of vacant parcels and the net acreage of over-sized parcels. These areas are divided into HUC14 subwatershed/RMP Land Use Capability Zone combinations. Each combination of HUC14 subwatershed and Land Use Capability Zone within the municipality receives its own Septic System Yield, which is not transferable. The yield is based on RMP Policy 2L2, which establishes nitrate targets for each Land Use Capability Zone and incorporates the relevant drought recharge values for each HUC14 subwatershed.

The RMP Septic System Yield is calculated for <u>all</u> potential developable lands reliant on septic systems, which may include lands zoned for both residential <u>and</u> non-residential development. Any yields are provided in "equivalent residential units" which may later be allocated among residential and non-residential development using flow translation factors provided in the *Highlands Regional Build-Out Technical Report* (see Appendix B of this report). Therefore, Septic System Yield calculated for Oakland Borough would equate to 16 residential units only if no yield is allocated to non-residential development. Septic System Yield may be allocated to non-residential development by reducing the number of residential units and increasing the amount of non-residential development proportionally based on relative flows. This allocation process and the implications for affordable housing requirements will be addressed in Module 3 - Housing Element and Fair Share Plan; this analysis is not part of this report. Therefore, no estimate is made here of non-residential development. All development on septic systems is assumed to rely on domestic wells for the purposes of this analysis.

RMP Build-Out Environmentally Constrained Lands

The RMP Build-Out analysis identified portions of the potential developable lands that are environmentally constrained based on the RMP (i.e., steep slopes, flood prone areas and Highlands Open Water buffers). These constraints were used in the build-out analysis to determine, where wastewater utility service was anticipated based on conformance with the RMP and approved sewer service areas, whether specific parcels had at least 1,400 square feet of unconstrained area. In addition, the nature and extent of these lands may influence the future development of lands in the septic system areas regarding the allocation of Septic System Yield to them and utility lands that are suitable for development. Out of the 229 gross developable acres in Oakland Borough, for vacant

parcels there is a potential net developable area of 44 acres in the Planning Area and 0 acres in the Preservation Area; for over-sized parcels there is a potential net developable area of -1 acres in the Planning Area and 0 acres in the Preservation Area. These values are a summation of the parcel-specific analyses. Refer to Table 1 and Figure 2 for additional details. This analysis should be viewed as an indicator of the level of environmental constraints in potentially developable lands, not as a parcel-based measure of development capacity.

In certain instances, the municipal potential net developable acres may be under-reported relative to actual buildable area conditions, and may even show a zero or negative value. A zero or negative value indicates that a very high degree of environmental constraints exists on the potential developable parcels of the municipality as a whole and especially on the over-sized lots; however, some potential developable lands may still exist. This result reflects the evaluation of over-sized lots and of vacant lots that are partly included in the sewer service build-out analysis. The potential developable acres for over-sized parcels are calculated by subtracting the equivalent of a buildable area for a single unit of development (e.g., one house) under the RMP from the total parcel size. Likewise, some parcels are only partially eligible for sewered development. In both cases the environmental constrained acres for these parcels are calculated based on the entire parcel area due to GIS processing issues. This section of the Municipal Build-Out Report uses a municipal aggregate land area analysis. This information will be used in later aspects of Plan Conformance at a parcel level and not as a municipal land aggregate value. Evaluation of the relationship of septic system yield and buildable lands will be based on the build-out parcel data information and not the Table 1 municipal summary reported values.

As part of that analysis, the municipality will be able to use the database to analyze vacant parcels in septic system areas, to help identify parcels that could be considered to have some reasonable potential for development based on the amount of unconstrained land within them. Further analysis in later phases of Plan Conformance would then identify additional constraints to the realistic development potential of these parcels based on one or more of the following factors:

- 1. lack of a minimum one-acre contiguous, unconstrained building site;
- 2. the potential building site is not accessible or access will result in damage to environmentally constrained lands;
- 3. application of municipal zoning constraints such as those prohibiting creation of flag lots, landlocked parcels, etc.; or
- 4. parcel configuration or other parcel-specific issues.

This information on vacant lands with a reasonable potential for development can be used to support the evaluation of Septic System Yield assignment in later phases of Plan Conformance.

Available HDSF Wastewater Utility Capacity

One HDSF facility serving a very small portion of Oakland Borough is Pompton Lakes MUA. The current available Highlands Region capacity for the utility is 0.094 million gallons per day (MGD) (2003 data) for all municipalities served by the system. The current capacity available to Oakland Borough is not available at this time. There is no wastewater generation from the build out for this facility.

Another HDSF facility serving a very small portion of Oakland Borough is NW Bergen County MUA. The current available Highlands Region capacity for the utility is 0.691 million gallons per day (MGD) (2003 data) for all municipalities served by the system. The current capacity available to Oakland Borough is approximately 0.001 MGD, based upon information developed for the build-out process. There is no wastewater generation from the build out for this facility. Refer to Table 1 and Figure 3 for additional details.

Oakland Borough-Indian Hills HS, Skyview/Hibrook, Oakwood Knolls, Mountain View STP, Oakland Care Center, Manito Elementary School, Chapel Hill Estates, and Riverbend are Non-HDSF in Oakland Borough. There is no wastewater generation from build out for these facilities.

Based on the current municipal available capacity minus the build-out demands for this wastewater utility, there may be capacity available for future allocation. Priority shall be given to addressing additional needs based on Objective 2K3e, such as imminent threats to public health from areas of failing septic systems, designated TDR Receiving Zones, and to infill or redevelopment projects in the Existing Community Zone (not including the Environmentally-Constrained Sub-Zone) and the Lake Community Sub-Zone that are consistent with the RMP and either address affordable housing obligations or have final municipal approval. Additional priorities include Highlands Redevelopment Areas or cluster development consistent with the RMP. Capacity may also be allocated to the Existing Area Served for redevelopment purposes.

Available Public Community Water System Utility Capacity

The public water supply utility serving Oakland Borough is the Oakland Water Department. The current available Highlands Region capacity for the utility is 42.39 million gallons per month (MGM). The current capacity available to Oakland Borough is approximately 41.54 MGM. There is no public water demand from the build out for this facility. Refer to Table 1 and Figure 4 for additional details.

Based on the current municipal available capacity minus the build out for this water supply utility, there may be capacity available for future allocation. Priorities are similar to those for wastewater capacity (see RMP Objective 2J4c).

Water Availability Constraints

The build-out results for Oakland Borough, based on developable land and utility capacity, were compared to Net Water Availability by the Highlands Council to determine if Net Water Availability

posed an additional constraint on development capacity. This analysis determined the potential for Net Water Availability constraints by HUC14 subwatershed, including water demands from both Oakland Borough and other municipalities and water users that withdraw water from the same HUC14 subwatershed. The Highlands Council determined whether each demand was consumptive or depletive. For the purpose of this analysis, all septic system units were considered to represent a residential land use in accordance with the Highlands Module 2 Build-out Impact Factors presented in Appendix B, and were addressed as consumptive water uses.

The results were compared to Net Water Availability, whether for non-deficit (surplus) subwatersheds, or deficit (Conditional Water Availability) subwatersheds. These values, whether from a deficit or surplus subwatershed, are collectively referred to as Net Water Availability. In HUC14 subwatersheds dominated by Conservation Zone lands, the water availability dedicated for agricultural purposes is not used for this analysis.

Based on this analysis, the Highlands Council determined that the following HUC14 subwatersheds, both within the municipality and in other municipalities but relied upon for municipal water supply, have insufficient Net Water Availability to support the build out demand:

Table 2	Table 2 – Net Water Availability Constraints Analysis – Deficits										
HUC14 Subwatershed	Build-Out Demand (MGD)*	Net Water Availability (MGD)	Shortfall (MGD)								
NA											

^{*}Subsequent to any reductions due to utility constraints.

For the remaining HUC14 subwatersheds partially or entirely in the municipality, the Highlands Council also assessed the amount of Net Water Availability remaining after build out. The results are in Table 3, which indicates the remaining Net Water Availability for each HUC14 subwatershed (where positive) and the associated public water supply systems that rely upon the HUC14 subwatershed for supply. This information can be used by the municipality to determine whether there is water available to the public water supply system that could support development within any associated wastewater utility service area, whether within the same HUC14 subwatershed or another, for purposes consistent with the RMP as describe above. The wastewater utility must also have remaining capacity available to the municipality. (Note: this available water cannot be used to increase the Septic System Yield beyond the amount calculated by the Highlands Council, nor can it be used to justify creation or expansion of utilities in violation of RMP requirements.) A decision as to the allocation of this capacity may occur in Module 3 regarding affordable housing needs identified in the Fair Share Plan, or later in the Plan Conformance process regarding other uses. Where a HUC14 subwatershed is relied upon by more than one municipality for water supply, whether on-site or a public water supply system, coordination will be needed among the municipalities to ensure that proposals for additional use do not exceed the remaining Net Water Availability. Also, there may be additional HUC14 subwatersheds not within the municipality that supply water to the municipality, which are not assessed here.

Table 3 – N	et Water Availability -	- Remaining Capacity
HUC14 Subwatershed	Remaining Net Water Availability (MGD)	Public Water Supply System(s) Reliant Upon the HUC14 Subwatershed (w/ PWSID)
02030103100050 Ramapo R (Crystal Lk br to BearSwamp Bk)	0.008999	0242001 Oakland Water Department
02030103100060 Crystal Lake/Pond Brook	0.009082	0220001 United Water NJ Franklin Lakes 0242001 Oakland Water Department
02030103100070 Ramapo R (below Crystal Lake bridge)	0.007896	0242001 Oakland Water Department

Final Build-Out Results

The build-out results for Oakland Borough are summarized in Table 4, based on land based capacity (potential developable land in both wastewater and septic system service areas), utility capacity and resource based capacity (Net Water Availability). These results are to be applied in Module 3 - Housing Element and Fair Share Plan toward the determination of affordable housing obligations. To assist in the evaluation of this information, an Excel file of the Module 2 database has been prepared by the Highlands Council for use in Module 3, where applicable. The Excel file is included on the Module 2 CD.

Table 4 – Municipa	l Build-Out Results Wit	h Resource and Utilit	y Constraints
	Preservation Area	Planning Area	Totals
Residential units – Sewered	0	0	0
Septic System Yield	0	16	16
Total Residential Units	0	16	16
Non-Residential Jobs – Sewered	0	0	0

Figure 1: Municipal Build-out Report Septic System Yield by HUC14 and LUCM Zone * OAKLAND BOROUGH

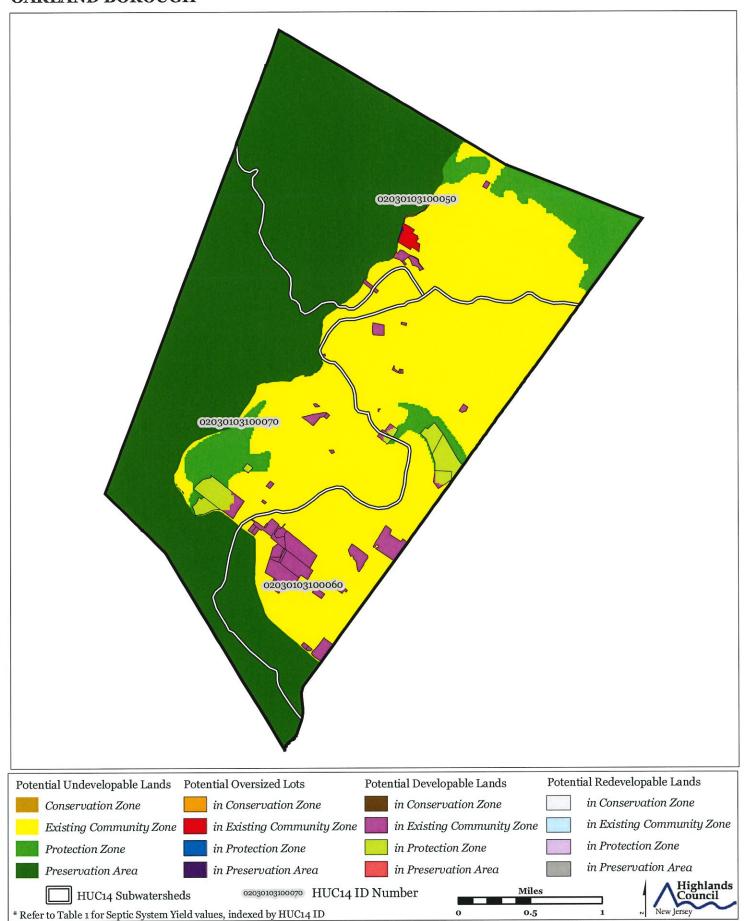
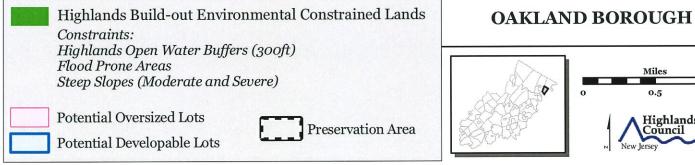


Figure 2: Municipal Build-out Report Environmental Constrained Lands





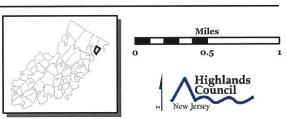


Figure 3: Municipal Build-out Report RMP HDSF Wastewater Utilities



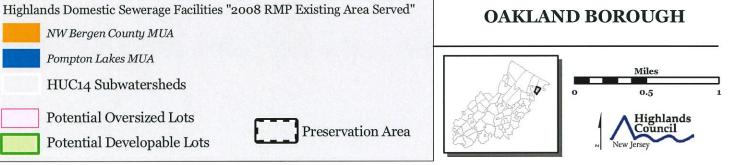
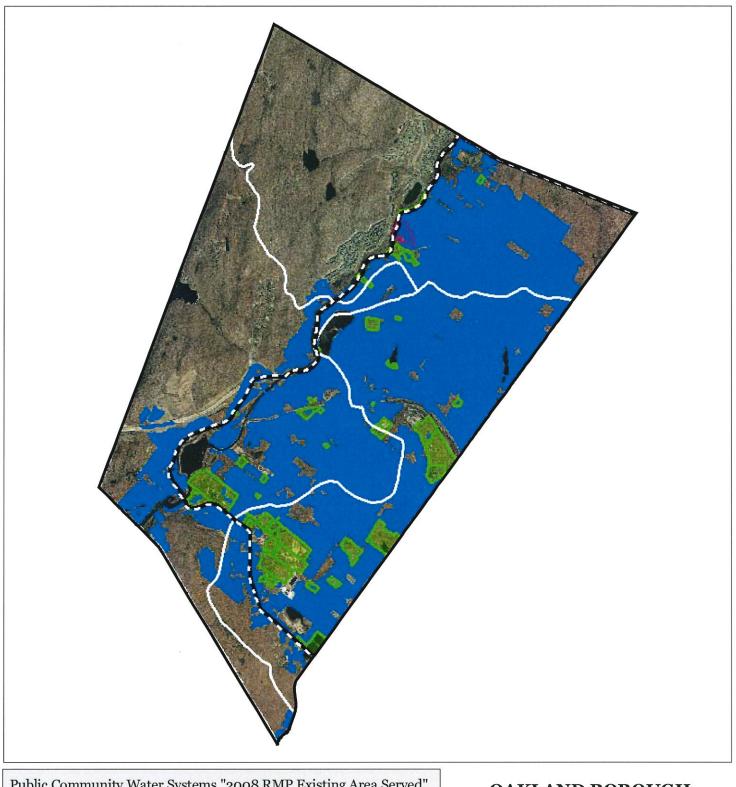


Figure 4: Municipal Build-out Report RMP Public Community Water System Utilities



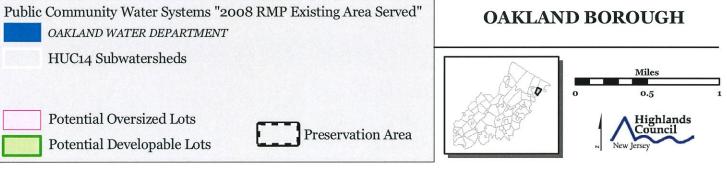


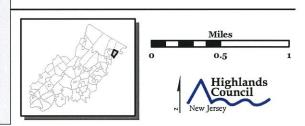
Figure 5: Municipal Build-out Report Final Build-out Results



	Preservation Area	Planning Area	Totals
Residential Units - Sewered	0	0	0
Septic System Yield	0	16	16
Total Residential Units	0	16	16
Non-Residential Jobs - Sewered	О	0	0

Preservation Area Boundary

OAKLAND BOROUGH



Highlands Module 2 Municipal Summary Report
Table 1: RMP Municipal Capacity Conditions based on Module 2 Potential Developable Lands- OAKLAND BOROUGH

RMP Build-Out WASTE WATER UTILITY Existing Areas Served (EAS) Analysis	eas Served (EAS) Analysis					
MUNICIPALITY	WASTEWATER UTLLITY	Total Wastewater Generation (MGD) - Planning Area	Total Wastewater Generation (MGD) - Preservation Area	Municipal Assigned Percentage	Current Available Highlands Capacity (MGD)	Municipal Avallable Wastewater Capacity (MGD)
OAKLAND BOROUGH	NJ0023698 / Pompton Lakes MUA / HDSF	0	0	~1%	0.094	NA
DAKLAND BOROUGH	NJ0024813 / NW Bergen County MUA / HDSF	0	0	<1%	0.691	0.001
OAKLAND BOROUGH	NJ0021253 / OAKLAND BOROUGH - INDIAN HILLS HS / NON-	0	0	100%	Non-HDSF	Non-HDSF
OAKLAND BOROUGH	NJ0021342 / Skyview/Hibrook - OAKLAND TWP / NON-HDSF	Û	0	100%	Non-HDSF	Non-HDSF
OAKLAND BOROUGH	NJ0027774 / Oakwood Knolls - Oakland Borough / NON-HDSF	0	0	100%	Non-HDSF	Non-HDSF
OAKLAND BOROUGH	NJ0028002 / Mountain View STP - Oakland Borough / NON-	0	0	100%	Non-HDS#	Non-HDSF
OAKLAND BOROUGH	NJ0029858 / Oakland Care Center - Oakland Borough / NON- HDSF	0	0	100%	Non-HDSF	Non-HDSF
OAKLAND BOROUGH	NJ0030384 / Manito Elementary School - Oakland Borough / NON-HDSF	0	0	100%	Non-HDSF	Non-HDSF
OAKLAND BOROUGH	NJ0053112 / Chapel Hill Estates - Oakland Borough WMP / NON HOSE	0	0	100%	Non-HDSF	Non-HDSF
OAKLAND BOROUGH	NJ0080811 / Oakland Twp - Riverbend / NON-HDSF	0	0	100%	Non-HDSF	Non-HDSF
RMP Build-Out POTABLE WATER UTILITY Existing Areas Served (EAS) Analysis	Areas Served (EAS) Analysis					
MUNICIPALITY	WATER UTILITY	Total Water Demand (MGD) - Planning Area	Total Water Demand (MGD) - Preservation Area	Municipal Assigned Percentage	Water Utility Available Capacity (MGM)	Municipal Available Water Utility Capacity (MGM)
OAKLAND BOROUGH	242001 / OAKLAND WATER DEPARTMENT / Facility #61	0	0	%86	42.39	41.54
RMP Build-Out WASTEWATER UTILITY Existing Areas Served (EAS) Analysis Build-out Impact Results	eas Served (EAS) Analysis Build-out Impact Results					
MUNICPALITY	WASTEWATER UTILITY	Residential Units	Nonresidential Square Feet	People	Jobs	
OAKLAND BOROUGH	NJ0023698 / Pompton Lakes MUA / HDSF	0	D	0	0	
OAKLAND BOROUGH	NJ0024813 / NW Bergen County MUA / HDSF	0	0	0	0	
OAKLAND BOROUGH	NJ0021253 / OAKLAND BOROUGH - INDIAN HILLS HS / NON-	0	0	0	0	
OAKLAND BOROUGH	NJ0021342 / Skyview/Hibrook - OAKLAND TWP / NON-HDSF	0	0	0	0	
OAKLAND BOROUGH	NJ0027774 / Dakwood Knolis - Dakland Borough / NON-HDSF	0	0	0	0	
OAKLAND BOROUGH	N30028002 / Mountain View STP - Oakland Borough / NON-	Û	0	0	0	
OAKLAND BOROUGH	NJ0029858 / Oakland Care Center - Oakland Borough / NON-HDSF	O	0	0	0	
OAKLAND BOROUGH	NJ0030384 / Manito Elementary School - Oakland Borough /	0	0	0	0	
OAKLAND BOROUGH	NJ0053112 / Chapel Hill Estates - Oakland Borough WMP / NON HINSE	٥	٥	0	0	
OAKLAND BOROUGH	NJ0080811 / Oakland Twp - Riverbend / NON-HDSF	0	0	0	0	
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MUNICIPALITY	WATER UTILITY	Residential Units	Nonresidential Square Feet	People	Sqof	
OAKLAND BOROUGH	242001 / OAKLAND WATER DEPARTMENT / Facility #61	0	0	0	0	
RMP Build-Out Septic System Yield Analysis						
Planning Area MUNICIPALITY	HUC14	SUBWATERSHED NAME	PLAN CZ YIELD	PLAN ECZ YIELD	PLAN PZ YIELD	
OAKLAND BOROUGH	02030103100050	Ramapo R (Crystal Lk br to BearSwamp Bk)	0	1	0	
OAKLAND BOROUGH	02030103100060	Crystal Lake/Pond Brook	Õ	12	1	
OAKLAND BOROUGH	02030103100070	Ramapo R (below Crystal Lake bridge) totals totals		***************************************	1 2	
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Preservation Area MUNICIPALITY CARLAND BOROLIGH	PRESYIELD	E::Ne				
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Highlands Module 2 Municipal Summary Report Table 1. RMP Municipal Capacity Conditions based on Module 2 Potential Developable Lands- GAKLAND BOROUGH

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Overview of Technical Method for Build-Out Analysis

Module 1 "Current Municipal Conditions and Build-Out Analysis" (results of which are incorporated into or modified as appropriate for this report) was based on municipal information regarding potential developable lands (including identification of preserved lands and fully developed lands) and areas currently served with public water supply and wastewater utilities. It also included the current capacity conditions of public water supply and wastewater utilities, and was evaluated for municipal Land Use Capability in accordance with the RMP. The information was initially prepared by the Highlands Council and has been edited and verified by the municipality as representing the best available information on existing potential developable lands, which include vacant, non-preserved lands, as well as partially-developed lands having potential for further development (i.e., over-sized parcels) or redevelopment. The Highlands Council performed a quality control assessment to ensure that the database was technically sufficient for the build-out process (see Appendix A - Module 1). The build-out capacity conditions represent the complete build out of potential developable lands in accordance with the RMP, assuming no constraints other than location within areas served by water supply or wastewater utilities or, for those lands not within a wastewater utility service area, the Septic System Yield based upon RMP Land Use Capability Zone Map policies (which incorporate the NJDEP Rules for the Preservation Area at N.J.A.C. 7:38-3.4). The Module 1 Summary Report was prepared by the Highlands Council and provided to the municipality, which further verified or corrected land availability and municipal zoning information in the report as the first step in Module 2.

The build-out capacity conditions in Module 1 identified the available utility capacity (in units of flow) allocated to the municipality for associated Highlands Domestic Sewerage Facilities (HDSF), on-site wastewater facilities, and Public Community Water Supply Systems. The Highlands Council initially used available capacity information from the *Utility Capacity Technical Report (2008)*, which used 2003 data for wastewater utilities (comparing permitted flows to the rolling maximum three month daily average in million gallons per day, or MGD) and 2004 data for public water supply utilities (comparing permitted flows to the maximum monthly demand, in million gallons per month, or MGM). The available capacity estimates initially assumed that the capacity for regional utilities (i.e., serving more than one municipality) would be allocated on a first-come, first-served basis; available capacity was apportioned among the municipalities based on relative land availability in the service area municipalities. In the Module 1 process, municipalities and regional utilities were requested to provide both updated flow data and any available information on contracted flows for a municipality. Where such information was provided and verified, it was used to update both utility-wide and municipal available capacity estimates.

The build-out impacts analysis within RMP utility areas was performed by the Highlands Council using build-out environmental constraints, municipal zoning and various impact factors (e.g., water demand, sewerage demand, population, jobs) as identified in the *Highlands Regional Build-Out Technical Report* (2008) and listed in Appendix B of this report. This analysis was applied only within the RMP utility service areas, defined as the lands within a NJDEP approved utility service area that are also

located within the Existing Community Zone or Lake Community Sub-Zone (not including the Existing Community-Environmentally-Constrained Sub-Zone). Of these lands, only parcels with at least 1,400 square feet of land that is not environmentally constrained based on the RMP (i.e., steep slopes, flood prone areas and Highlands Open Water buffers) were evaluated for build out in RMP utility service areas. Potential developable lands that did not meet the criteria of the build-out RMP utility areas were evaluated as lands contributing to Septic System Yield.

In addition, the RMP Septic System Yield was calculated for the municipality. The build out for septic system areas in the Planning Area is based on the RMP Septic System Yield Analysis and does not incorporate or evaluate the effects of environmental constraints or municipal zoning. The buildout of septic system areas in the Preservation Area is based on the NJDEP Preservation Area Rules at N.J.A.C. 7:38-3.4, as required by the RMP. The total acreage of all vacant lands, the net acreage of over-sized parcels (i.e., the total lot size minus the acreage needed for one lot under the RMP) and redevelopable lands were used in the Septic System Yield analysis. In the Planning Area, the analysis used the nitrate target for the appropriate Land Use Capability Zone and the drought recharge value for the appropriate HUC14 subwatershed. In the Preservation Area, the analysis used the forested and non-forested lands at a parcel level. In keeping with RMP policies, preserved lands (including SADC, Green Acres, federal, State, county and local lands, and land trust properties and conservation easements where known) were excluded from this analysis. Environmentally constrained lands (i.e., steep slopes, flood prone areas and Highlands Open Water buffers) were included in the septic system yield analysis because the methodology assumes a mixture of constrained and unconstrained lands, but will affect how Septic System Yield is allocated in later stages of the Plan Conformance Process.

The information from Module 1 directly supported the Module 2 Land Use and Resource Capacity Analysis, results of which are incorporated into this report. In Module 2, the Highlands Council and the municipality evaluated the build-out impacts and the associated wastewater and water supply demands within the RMP utility areas as identified in Module 1.

In Module 2, municipalities reviewed the RMP build-out impacts for RMP utility areas and verified that they reflect densities allowed by existing municipal zoning. Areas included in the build-out process for sewer service included those lands within the wastewater Existing Area Served, as defined by the RMP, and also those lands within an NJDEP-approved Sewer Service Area that is also within the Lake Community Sub-Zone or the Existing Community Zone (excluding the Existing Community-Environmentally Constrained Sub-Zone). If the existing municipal zoning conditions have changed from the 2005 data used by the Highlands Council, then the municipality provided the current zoning and the Highlands Council revised the build-out impacts accordingly. The Highlands Council performed a quality control assessment to ensure that the database was technically sufficient for the build-out process (see Appendix A – Module 2).

When the land based build out of potential developable lands in Module 1 exceeded the available utility capacity conditions, further analysis by the Highlands Council was required in Module 2 to

determine the extent to which the build out was constrained by the lack of utility capacity. In such cases, the land-based build-out potential is lowered proportionately for residential and non-residential development within the service area. It is important to note that no change is made to the Existing Area Served for the utility; only the build-out potential is reduced.

Where utility capacity exceeded the land-based build out of potential developable lands in Module 1, the utility capacity is potentially available for future demands. The municipality will evaluate utility capacity assignment in Module 3 where appropriate to support affordable housing, and in support of later phases of Plan Conformance.

For some HUC14 subwatersheds in the municipality, the projected consumptive or depletive water demand based on both domestic well sources (either as derived from Septic System Yield, which is assumed to be supplied by domestic wells, or within a RMP wastewater utility area served by domestic wells) and water supply utility service indicate that the complete municipal build out of potential developable lands might exceed the Net Water Availability. In such cases, the Highlands Council then calculated Net Water Availability values in Module 2 for use as a further constraint on growth, and determined the extent to which the Net Water Availability would reduce the build out. The Highlands Council also assessed the extent to which the use of remaining wastewater utility capacity (i.e., beyond full build-out), if any, would be constrained by Net Water Availability. This information can be used by the municipality to determine whether the wastewater utility capacity can reasonably be used for purposes consistent with the RMP (e.g., affordable housing projects, TDR receiving zones, Highlands Redevelopment Areas, redevelopment within the Existing Area Served) as provided for by Objective 2K3e. A decision as to the allocation of this capacity will occur in Module 3 regarding affordable housing needs identified in the Fair Share Plan, or later in the Plan Conformance process regarding other uses.

Appendix A: Technical Sufficiency Review

MODULE 1

The Module 1 Geodatabase (GDB) and utility capacity spreadsheet information submitted by the municipality were evaluated for technical sufficiency and quality assurance and quality control purposes by the Highlands Council staff. The Highlands Council reviewed the GDB (GDB#1 and GDB#2, with GDB#3, where relevant) to determine that all the changes that the municipality made to the GDB are technically sufficient in order to process for RMP Build-out. All revisions made to a GDB by the Highland Council are reflected in the NJHC_QA_QC_COMMENTS field of the GDB. The same Build-out QA/QC Review method is conducted for both GDB#1 and GDB#2. These results were reviewed by the municipality in Module 2 (see below). Any database issues that were not specifically responsive to the technical sufficiency review and not specific to the Module 1 Build-Out Analysis were flagged in the GDB by the Highlands Council for future reference.

When a municipality received GDB#3 (the updated public water utility database), the Council joined and updated the PWSID data from GDB#3 into GDB#1 so all the Module 1 information was in GDB#1 for build-out processing.

Before a GDB is processed for Build-out, the Highlands Council reviewed the material submitted by the municipality including cover letters and any email correspondence for additional information relevant to the build-out analysis. The Highlands Council utilizes Microsoft Access to process the GDB through the NJHC QA/QC review method to create a Technical Protocol Status (TPS) report that flags all parcels that have contradictory data, as well as a SDE check which identifies inserted, deleted and updated information in the GDB. The Highlands Council utilized the TPS Report and the GDB along with the supporting documentation to evaluate any contradictory data reported as Error Codes on the TPS Report.

The TPS report created by the Highlands Council identifies parcels that may contain contradictory data in the GDB and therefore not process correctly in the build-out. There are 11 Error Codes and 5 Data Conditions that may potentially be flagged by the Highlands Council within a GDB. The identification of an Error Code may or may not result in an edit by the Council. If an edit was required in order to technically correct the GDB for build-out processing, the edit was conducted by the Highlands Council and recorded in the GDB. The following is a list of the TPS Error Codes and Data Conditions that may be applicable to the municipality:

• Error Code 01: Municipal Verification Field Missing - every verifiable field and row should include the Module 1 verifier's name. If a row was blank, the NJHC QA/QC reviewer would populate the field with the verifier's name or consult with the municipality as required, and enter a comment in the NJHC_QA_QC_COMMENTS field in the GDB.

- Error Code 02: Parcels identified as both a Condo and Open Space the Highlands
 Council evaluated the parcel's development and land preservation status to determine if the
 necessary data fields were populated correctly by the municipality.
- Error Code 03: Parcels identified as both Developable and Open Space the
 Highlands Council evaluated the parcel's development status and land preservation status
 and determined if the necessary data fields were populated correctly by the municipality.
- Error Code 04: Parcels identified as Oversized or Redevelopable and missing the
 oversized or redevelopable acreage value the Highlands Council would either consult
 with the municipality in order to edit the data field or utilized the GDB information to
 determine the missing value.
- Error Code 05: Parcels identified as Oversized or Redevelopable that were also listed
 as Not Developable the Highlands Council evaluated the parcel and edited the
 PARC_STAT_DEV_STATUS data field accordingly.
- Error Code 06: Parcels identified as connected to a wastewater utility however no System Provider was identified the Highlands Council would consult with the municipality and/or review the GDB and supporting documentation in order to edit the missing entry.
- Error Code 07: Parcels identified as a "Yes" indicating they are currently both connected and not connected to a wastewater utility the Highlands Council edited Not Developable, oversized or redevelopable parcels in the wastewater no connect field to a "No." and if the parcel is vacant and developable then the Highlands Council edited the wastewater existing served field to a "No."
- Error Code 08: Parcels identified as being connected to a wastewater utility and also
 identified as vacant or developable the Highlands Council evaluated these parcels to see
 if they are developable, redevelopable or oversized and edited and documented accordingly
 in the GDB.
- Error Code 09: Parcels identified as connected to a public water utility however no System Provider was identified the Highlands Council would consult with the municipality and/or review the GDB and supporting documentation in order to edit the missing entry.
- Error Code 10: Parcels identified as a "Yes" indicating they are currently both connected and not connected to a public water utility the Highlands Council edited Not Developable, oversized or redevelopable parcels in the public water no connect field to a "No." and if the parcel is vacant and developable then the Highlands Council edited the public water existing served field to a "No."
- Error Code 11: Parcels identified as being connected to a public water utility and also
 identified as vacant or developable the Highlands Council evaluated these parcels to see
 if they are developable, redevelopable or oversized and edited and documented accordingly
 in the GDB.

- Data Condition 1: Parcels identified as Not Developable due to Environmental Constraints or Inadequate Lot Geometry these parcels were evaluated in septic served areas to ensure that the environmentally constrained parcels in the GDB were not a water body and therefore not appropriate for inclusion in the RMP Septic System Area analysis. Otherwise, vacant parcels indicated to be "Not Developable" due to environmentally constrained lands were included in the Septic System Yield analysis. Parcels that were identified as an inadequate lot geometry but developable with an adjacent parcel may require further review by the municipality to ensure that the build-out process was applied correctly because the Highlands Council is not able to discern the adjacent parcel record that is in common ownership and referenced by the municipality.
- Data Condition 2: Parcels identified as having a WW Utility with a Contractual Allocation were flagged in the TPS Report.
- Data Condition 3: Parcels identified for PW Utility with a Contractual Allocation were flagged in the TPS Report.
- Data Condition 4: Parcels containing entries as "OTHER" with associated comments were reviewed to see if the proper data field associated with the comment had been completed correctly and to assist in the review of the GDB information.
- Data Condition 5: Parcels with entries in any of the "Comment" data fields- the Council reviewed this information as a means to assist in GDB technical evaluation and QA/QC review.

In addition to going through the TPS Report as described above, the Council evaluated all open space parcels to ensure they are technically correct in the GDB. The Council also reviewed parcels that have no provider listed for public water or wastewater to ensure that there are no "Yes" data fields in the utility connection status data field, as these parcels are on septic/domestic wells and not relevant regarding a utility connection status in the GDB. Lastly, the Council QA/QC reviewer initialed and dated the GDB to complete the TPS Report and QA/QC Review process.

The municipality then received a modified GDB that:

- 1. incorporated the results of all edits by the Highlands Council;
- 2. merged the final results of GDB's #1 and, where applicable, #2 and #3 into a single GDB;
- 3. identified the parcels that were processed for build out as potential developable vacant, redevelopable and over-sized lots in both septic system and sewer areas; and
- 4. incorporated additional fields used by the Highlands Council in running the build-out process, including municipal zoning for potential developable vacant and redevelopable parcels associated with sewer service conforming with RMP requirements, and having at least 1,400 square feet of land that is not environmentally constrained. Where such parcels were associated with public water supply service, they were also evaluated for water demands.

The Municipal Conditions Geodatabase may include in some cases duplicate parcel records within the municipality. These duplicates derive from the process of creating a spatial representation of parcels in GIS. The Highlands Council has taken the necessary steps to avoid double counting of developable duplicate parcels, in the summary reports and in the geodatabase and any derivatives thereof.

MODULE 2

In Module 2, the municipality completed a final check on parcel information and verified the municipal zoning applicable to parcels that were processed for build out in RMP utility areas. Where edits were made and returned to the Highlands Council, the Council incorporated the edits and, where necessary, performed a revised build-out analysis, the results of which are reflected in this report.

Please note that the Type A and Type B edits conducted by the municipality were reviewed by the Highlands Council and only when an edit was relevant to the RMP Build-out analysis was it incorporated and re-processed for build-out analysis as required.

Type A Edits - Tabular

- The information will be updated in the GDB as indicated.
- The nature and extent of the information may or may not affect the build-out results.
- Type A tabular edits that require a revised build-out will be processed and reported as a Module 2 Municipal Build-out Summary Report.

Type A Edits - Spatial

- The revised spatial information will be reviewed in accordance with the Module 1 Technical Review Protocols.
- Type A spatial edits that require a revised build-out will be processed and reported as a Module 2 Municipal Build-out Summary Report.

Type B Edits - Municipal Zoning

- The information will be updated in the GDB as indicated.
- Updated zoning changes only affect parcels in RMP utility areas.
- Type B edits that require a revised build-out will be processed and reported as a Module 2 Municipal Build-out Summary Report.

Appendix B - Highlands Module 2 Build-Out Model Impact Factors

Comp: Comp:	SF Estate Residential or (PA-5)	Single	Single Detache	SF Rural Residential, Resource Residential, or (PA-4B)	Single Detache	Single	SF Low Density or (PA-4)	Single	Single	SF Medium Density, Suburban Residential, or (PA-3)	Single Detache	Single	SF High Density or (PA-2)	Single	Single	Attached/Townhouse or (PA-1)
Comparison Zone/Unit Type		Single-family Detached 4-5 BR	Single-family Detached 4-5 BR		Single-family Detached 4-5 BR	Single-family Detached 4-5 BR		Single-family Detached 4-5 BR	Single-family Detached 4-5 BR		Single-Family Detached, 2-3 BR	Single-Family Detached, 2-3 BR		Single-Family Attached, 2-3 BR	Single-Family Attached, 2-3 BR	and the state of t
Source		Statewide NJ Demographic	Multipliers (2)		Statewide NJ Demographic	Multipliers (2)		Statewide NJ Demographic	Multipliers (2)		Statewide NJ Demographic	Multipliers (2)		Statewide NJ Demographic	Multipliers (2)	
Region		Northern ¹	Central ²		Northern ¹	Central ²		Northern ¹	Central ²		Northern ¹	Central ²		Northern¹	Central ²	
Density Dwelling unit (du)/acre*	0.05 to 0.20 (0.17 maximum)			0.21 to 0.5 du/acre (0.17 maximum)			0.51 to 1.0 du/acre (1.16 maximum)			1.01 to 3.0 du/acre (3.81 minimum)			3.01 to 8.0 du/acre (7.04 minimum)			8.01 to 16.0 du/acre (9.78 minimum)
Efficiency Factor % (1)	95			95			80			75			7.5			75
Average Household Size (2)		3.809	3.780		3.809	3.780		3.809	3.780	endalment Very de de very de	3.137	2.578		2.477	2.296	
Average School Children in Household (2)		1.072	1.094		1.072	1.094		1.072	1.094		0.607	0.367		0.296	0.292	
Percent Impervious (3)	0,075* acres			0.075* acres			0.075* acres			26.7			33.7			45.7
Consumptive/Depletive Water Use includes Indoor demand (gpd per person) plus outdoor demand as (gpd per unit) multiplied by Consumptive/Depletive Use Coefficient (4)	(75 gpd/person + 50 gpd/unit) * Consumptive/Depletive Coefficient			(75 gpd/person + 50 gpd/unit) * Consumptive/Depletive Coefficient			(75 gpd/person + 50 gpd/unit) * Consumptive/Depletive Coefficient.			(75 gpd/person + 30 gpd/unit) * Consumptive/Depletive Coefficient			(75 gpd/person + 5 gpd/unit) * Consumptive/Depletive Coefficient			(75 gpd/person + 5 gpd/unit) * Consumptive/Depletive Coefficient
Public Water System Demand (5)	100 gallons per person per day			100 gallons per person per day			100 galions per person per day			100 gallons per person per day			75 gallons per person per day			75 gallons per person per day
Public Wastewater System Generation (6)	75 gallons per person per day			75 gallons per person per day			75 gallons per person per day			75 gallons per person per day			75 gallons per person per day			75 gallons per person per day

Appendix B - Highlands Module 2 Build-Out Model Impact Factors

Public Wastewater System Generation (6)			75 gallons per person per day			75 gailons per person per day	75 gallons per person per day	75 gallons per person per day
Public Water System Demand (5)			75 gallons per person per day		:	75 gallons per person per day	75 galions per person per day	75 gallons per person per day
Consumptive/Depletive Water Use includes Indoor demand (gpd per person) plus outdoor demand as (gpd per unit) multiplied by Consumptive/Depletive Use Coefficient (4)			(75 gpd/person + 5 gpd/unit) * Consumptive/Depletive Coefficient		and the state of t	(75 gpd/person + 5 gpd/unit) * Consumptive/Depletive Coefficient	(75 gpd/person + 5 gpd/unit) * Consumptive/Depletive Coefficient	(75 gpd/person + 5 gpd/unit) * Consumptive/Depletive Coefficient
Percent Impervious (3)			57.1			68.8	42.0	60.3
Average School Children in Household (2)	0.296	0.292		0.308	0.373	0.00	Varies Based on zoning Du/Acre description	0.00
Average Household Size (2)	2.477	2.296		2.262	2.342	Varies Based on zoning Du/Acre description	Varies Based on zoning Du/Acre description	Varies Based on zoning Du/Acre description
Efficiency Factor % (1)			70			70	70	20
Density Dwelling unit (du)/acre *			16,01+ du/acre (9.78 minimum)			Apply zone density and FAR value Note: Use Retail/Commercial Impact factors for non-res %	Apply zone density and FAR value Note: Use Retail/Commercial Impact factors for non-res %	Varies Based on zoning Du/Acre description
Region	Northern ¹	Central ²		Northern¹	Central ²			
Source	Statewide NJ Demographic	Multipliers (2)		Statewide NJ Demographic	Multipliers (2)	Municipał Zoning	Municipal Zoning	Municipal Zoning
Comparison Zone/Unit Type	Single-Family Attached, 2-3 BR	Single-Family Attached, 2-3 BR		5+ Units (Own/Rent), 2-3 BR	5+ Units (Own/Rent), 2-3 BR			
Highlands Zone Type			Garden Apartment or (PA-1)			Mixed use/Age Restricted Housing (percent mix based on 40% residential and 60% non-residential	Mixed use (percent mix based on 40% residential and 60% non-residential as Office/Commercial)	Senior or Age restricted Housing

Highlands Build-Out Residential Impact Factors - Sources

* Residential dwelling units generated by the build-out model include both market rate and affordable units.

⁽¹⁾ Source: Efficiencies are given as a percentage, between 0 and 100, where a 100 value means complete efficiency (no land lost to development), and a 0 value means no buildings will be estimated for that land use. For example an efficiency of 70% may be representative of developable land that has a 10% set aside for parks and 20% for roads (100% - 10% - 10%). Project determined values.

(2) Source: Who Lives in New Jersey Housing? New Jersey Demographic Multipliers, The Profile of Occupants of Residential and nonresidential Development. Listokin, D., Voicu, J., Dolphin, W., Camp, M. Center for Urban Policy Research. Rutgers University. November 2006. Northern NJ values were applied to Bergen, Morris, Passaic, Sussex and Warren County municipalities. Central NJ values were applied to Bergen, Morris, Passaic, Sussex and Warren County municipalities. 2 Table II-D-1 Central Region of New Jersey Total Persons and Persons by Age (2000) (p. 99) 1 Table II-C-1 North Region of New Jersey Total Persons and Persons by Age (2000) (p. 85)

surface area attached to each LULC residential developed land polygon and the acres of associated developed land in each intersecting municipal zone polygon. The impervious surface areas in each municipal zone within the composite (3) Source: NCNBR, Rutgers University, April 27, 2006. The impervious surface area for new dwelling units large lot zoned areas (*) is based on an average 15% impervious surface value (per MJDEP LUAC) and a project determined average to the remaining undeveloped area. The impact percentage factors for the other residential composite zones represent weighted averages of NJ Highlands Percent average homestead area of 0.50 acres. No impact value is attached to the remaining undeveloped area. The impact percentage factors for the other residential composite zones represent weighted averages of NJ Highlands Percent Impervious Surface for all residentially developed lands in that composite zone. The raw data was obtained by overlaying NJ Highlands Zoning and DEP 2002 LULC spatial data files, and extracting the calculated percent impervious zone were aggregated and then divided by the total developed residential land area, to produce a weighted IS average for each composite zone.

⁽⁴⁾ Source: Center for Urban Policy Research (CUPR), September 2000. NIGS Consumptive Use Coefficients. For consumptive uses, a factor of 29% is utilized. For depletive uses, a factor of 100% is used (5) Source: NIDEP N.J.A.C. 7:10 Safe Drinking Water Act Regulations Adopted November 4, 2004, 7:10-12.6 Water Volume Requirements and State Plan Impact Assessment (6) Source: NIDEP N.J.A.C. 7:14A-23.3 Pollutant Discharge Elimination System: Technical Requirements For TWA Applications; Projected flow criteria

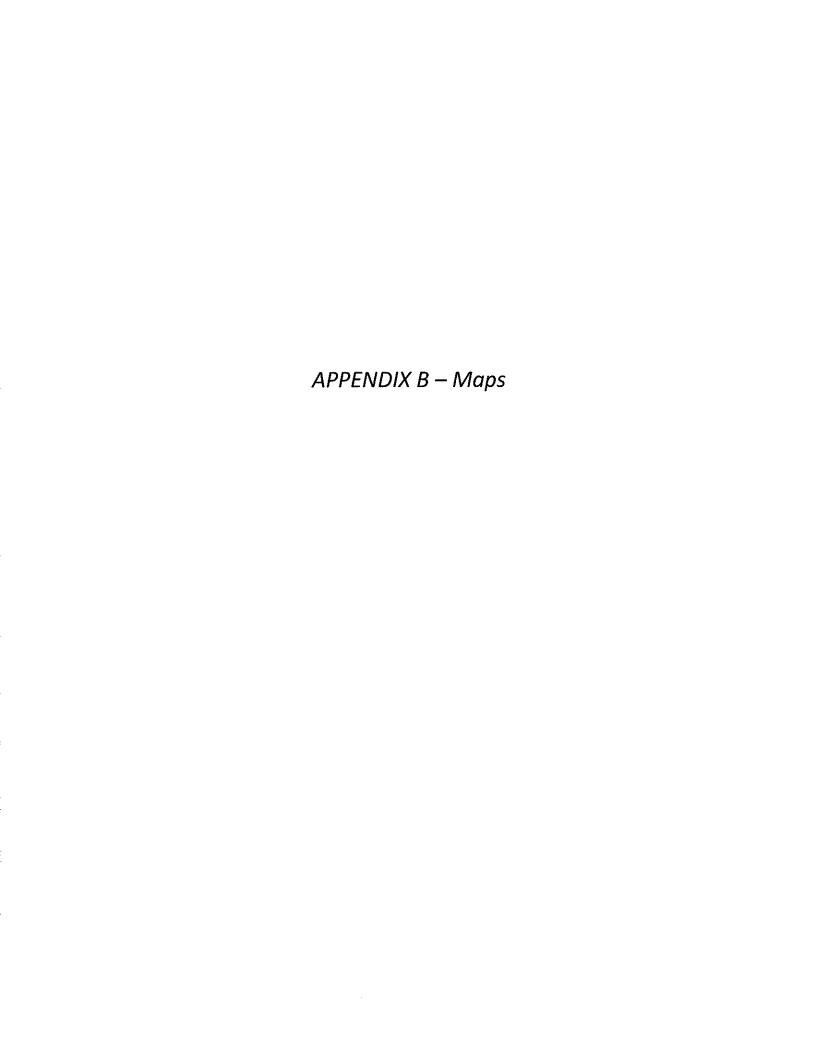
Appendix B - Highlands Module 2 Build-Out Model Impact Factors

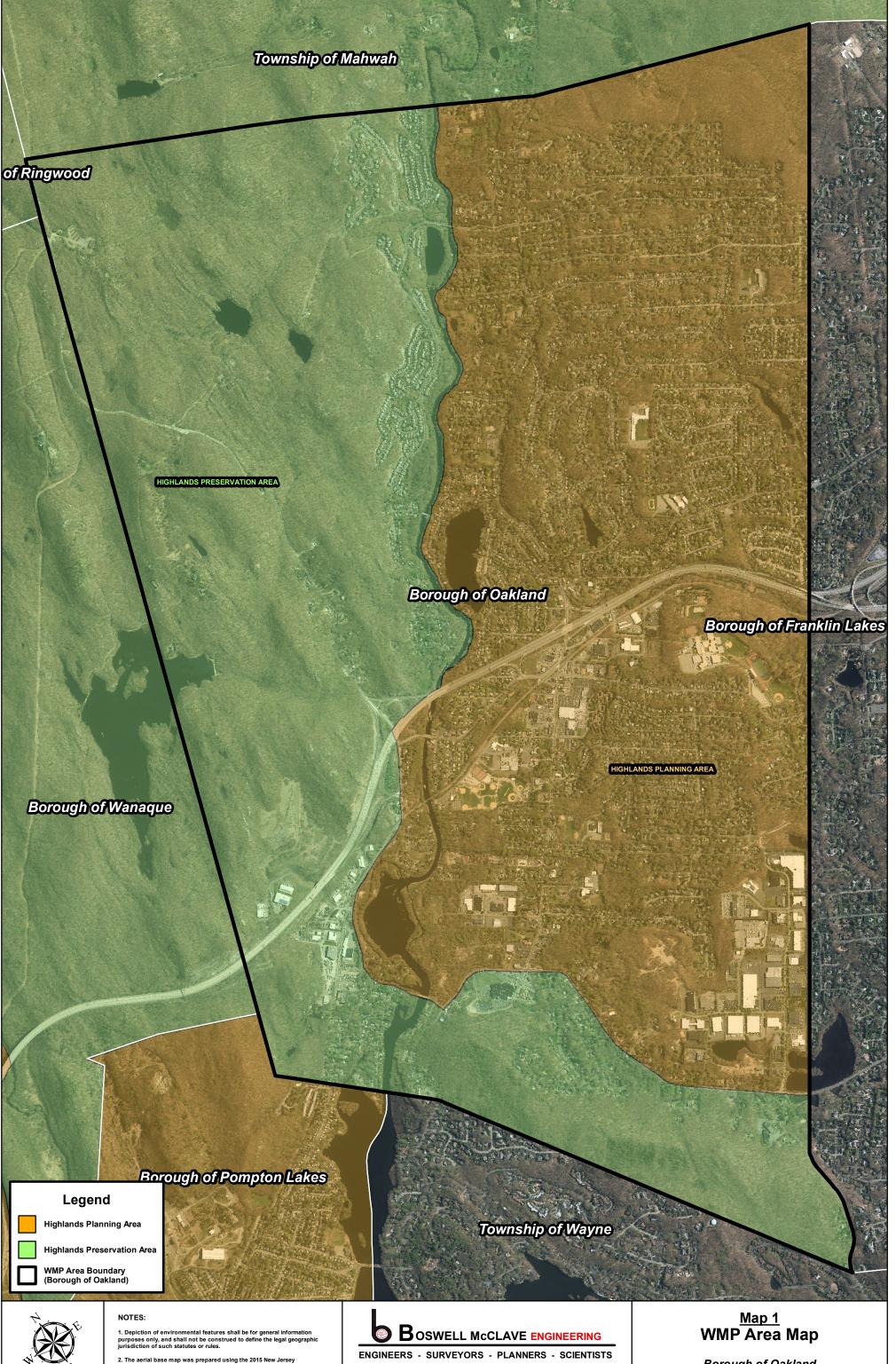
ation	ıy/sf	Jy/sf	erson
Public Wastewater System Generation (6)	0.10 gallons/day/sf	0.10 gallons/day/sf	25 gallons per person per day
Public Water System Demand (5)	0.125 gallons/day/sf	0.125 gallons/day/sf	25 gallons per person per day
Consumptive/Depletive Water Use multiplied by Consumptive/Depletive Use Coefficient (4)	0.125 gpd/sf * Consumptive/Depletive Coefficient	0.125 gpd/sf * Consumptive/Depletive Coefficient	25 gpd/person * Consumptive/Depletive Coefficient
Percent Impervious (3)	78.3	72.5	53.4
Jobs per 1,000 sf (2)	2.99	1.63	1.11
Region	Northeast US	Northeast US	Northeast US
Efficiency Factor %(1)	80	08	80
Floor Area Ratio	Based on zoning	Based on zoning	Based on zoning
Highlands Composite Zone Type	Office/Commercial	Retail	Industrial

Highlands Build-Out Non-Residential Impact Factors - Sources

- Source: Efficiencies are given as a percentage, between 0 and 100, where a 100 value means complete efficiency (no land lost to development), and a 0 value means no buildings will be estimated for that land use. For example an efficiency of 70% may be representative of developable land that has a 10% set aside for parks and 20% for roads (100% 10% 20% = 70%). Project determined values.

 Source: Who Lives in New Jersey Housing? New Jersey Demographic Multipliers, The Profile of Occupants of Residential and nonresidential Development. Listokin, D., Voicu, I., Dolphin, W., Camp, M. Center for Urban
 - (2) Source: Who Lives in New Jersey Housing Policy Research. Rutgers University. November 2006.
 - a Table II-I-3 Commercial Office Employees per 1,000 Square Feet of Gross Floor Area (GFA) (p. 136)
- b Table II-I-4 Commercial Retail Employees per 1,000 Square Feet of Gross Floor Area (GFA) (p. 139) (Reported Northeast mean value)
- (Value derived by averaging the mean number of employees per 1,000 sq. ft. of GFA for retail (excluding mall), retail (enclosed mall), and retail (strip shopping mall) space in the Northeast).
 - c Table II-I-6 Industrial Warehouses Employees per 1,000 Square Feet of Gross Floor Area (GFA) (p. 143)
- (Value derived by averaging the mean number of employees per 1,000 sq. ft. of GFA for Non-Refrigerated and Refrigerated space in the Northeast).
- surface area attached to each LULC residential developed land polygon and the acres of associated developed land in each intersecting municipal zone polygon. The impervious surface areas in each municipal zone within the composite (3) Source: NCNBR, Rutgers University, April 27, 2006. The impervious surface area for new dwelling units large lot zoned areas (*) is based on an average 15% impervious surface value (per NJDEP LU/LC) and a project determined average homestead area of 0.50 acres. No impact value is attached to the remaining undeveloped area. The impact percentage factors for the other residential composite zones represent weighted averages of NJ Highlands Percent Impervious Surface for all residentially developed lands in that composite zone. The raw data was obtained by overlaying NJ Highlands Zoning and DEP 2002 LUAC spatial data files, and extracting the calculated percent impervious
 - zone were aggregated and then divided by the total developed residential land area, to produce a weighted IS average for each composite zone.
 - (4) Source: Center for Urban Policy Research (CUPR), September 2000. NJGS Consumptive Use Coefficients. For consumptive uses, a factor of 29% is utilized. For depletive uses, a factor of 100% is used (5) Source: NJDEP N.J.A.C. 7:10 Safe Drinking Water Act Regulations Adopted November 4, 2004, 7:10-12.6 Water Volume Requirements and State Plan Impact Assessment (6) Source: NJDEP N.J.A.C. 7:14A-23.3 Pollutant Discharge Elimination System: Technical Requirements For TWA Applications, Projected flow criteria



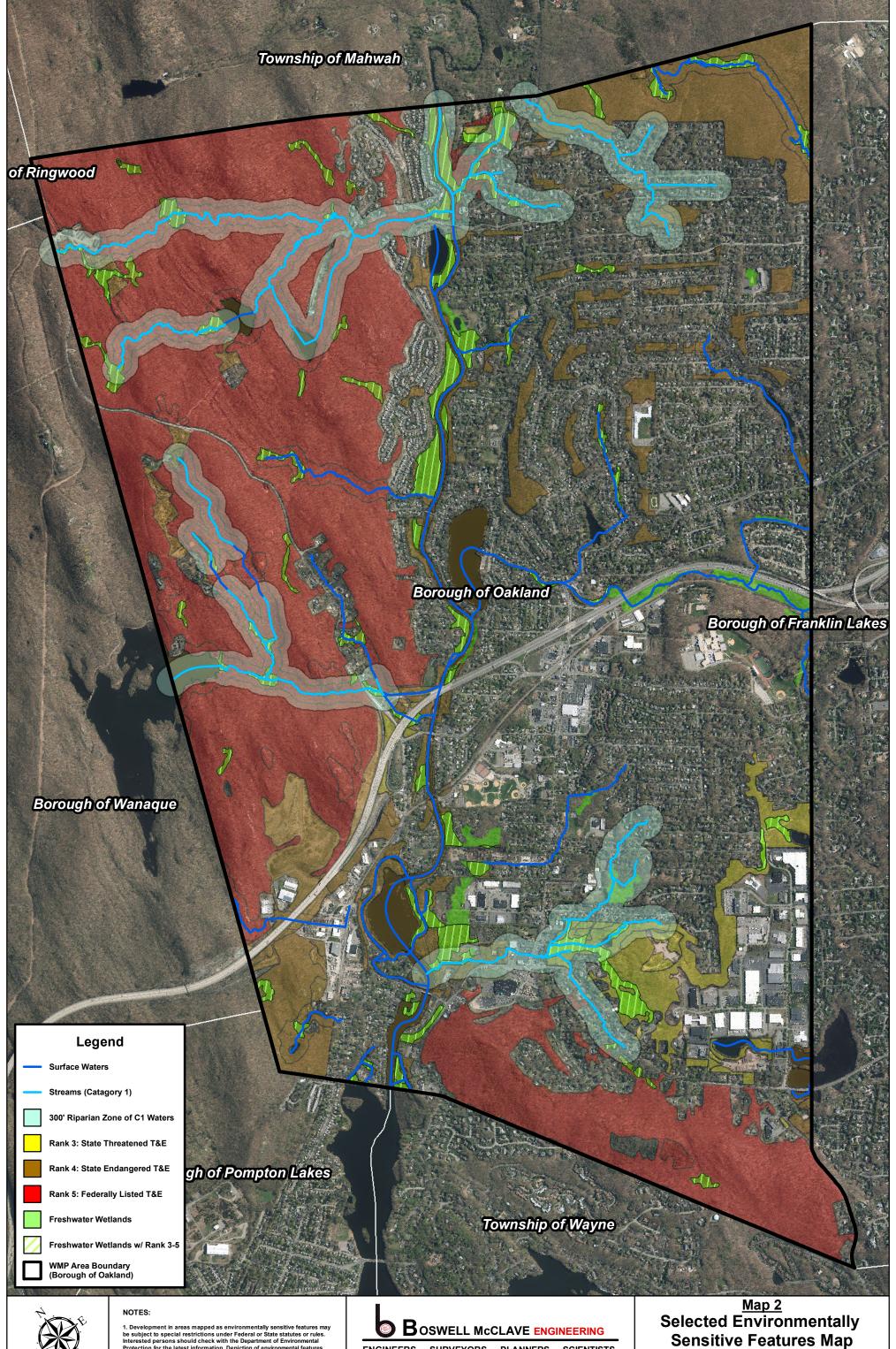




2. The aerial base map was prepared using the 2015 New Jersey High Resolution Orthoimagery from the New Jersey Information Warehouse.

3. The Borough of Oakland is located entirely within the Northeast WQMP.

330 Philips Avenue South Hackensack, NJ 07606 NJ Certificate of Authorization No. 24GA27958000 Fax: 201-641-1757 Tel: 201-641-0770

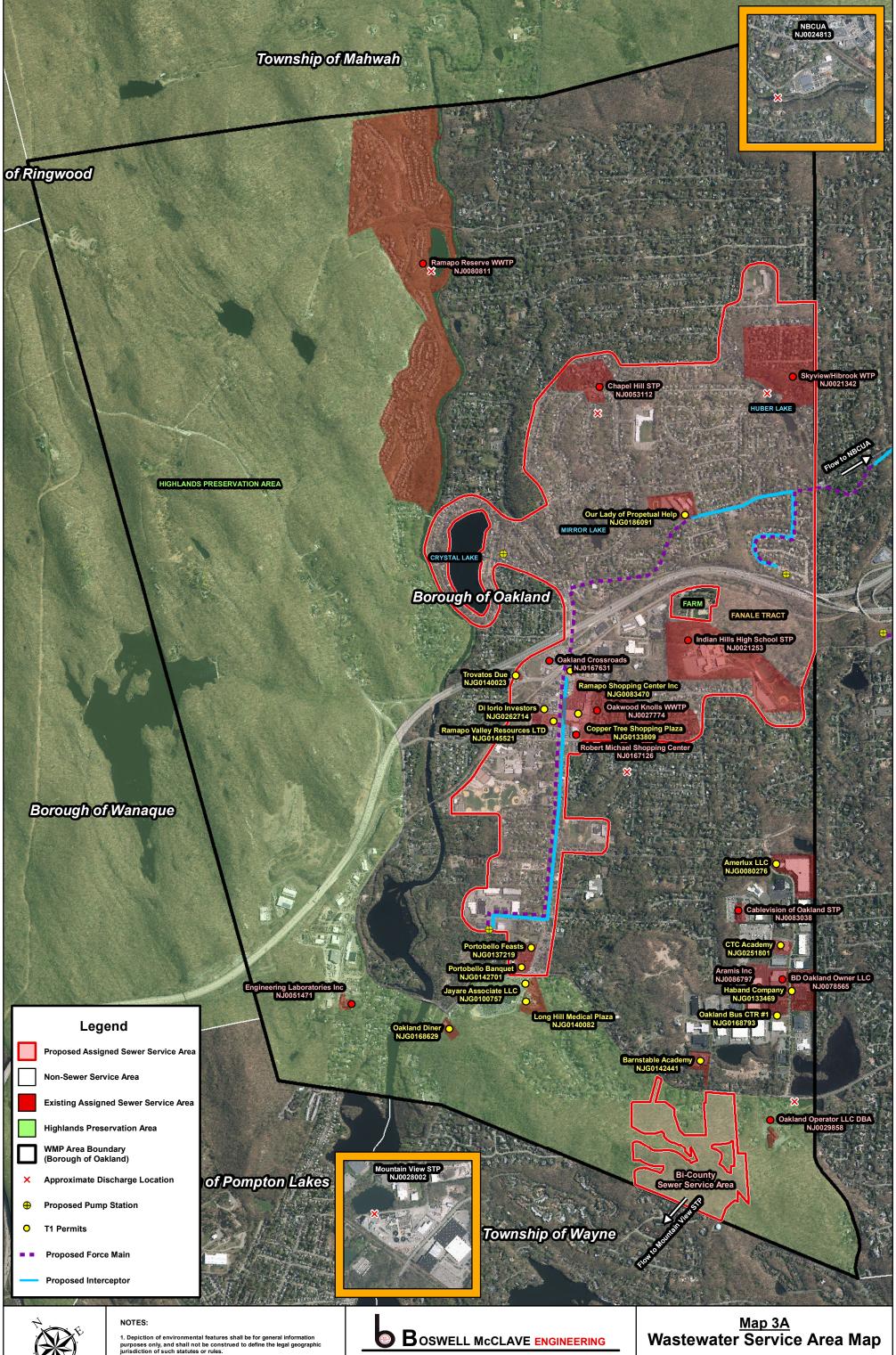




Development in areas mapped as environmentally sensitive features may be subject to special restrictions under Federal or State statutes or rules. Interested persons should check with the Department of Environmental Protection for the latest information. Depiction of environmental features shall be for general information purposes only, and shall not be construed to define the legal geographic jurisdiction of such statutes or rules.

2. The aerial base map was prepared using the 2015 New Jersey High Resolution Orthoimagery from the New Jersey Information Warehouse

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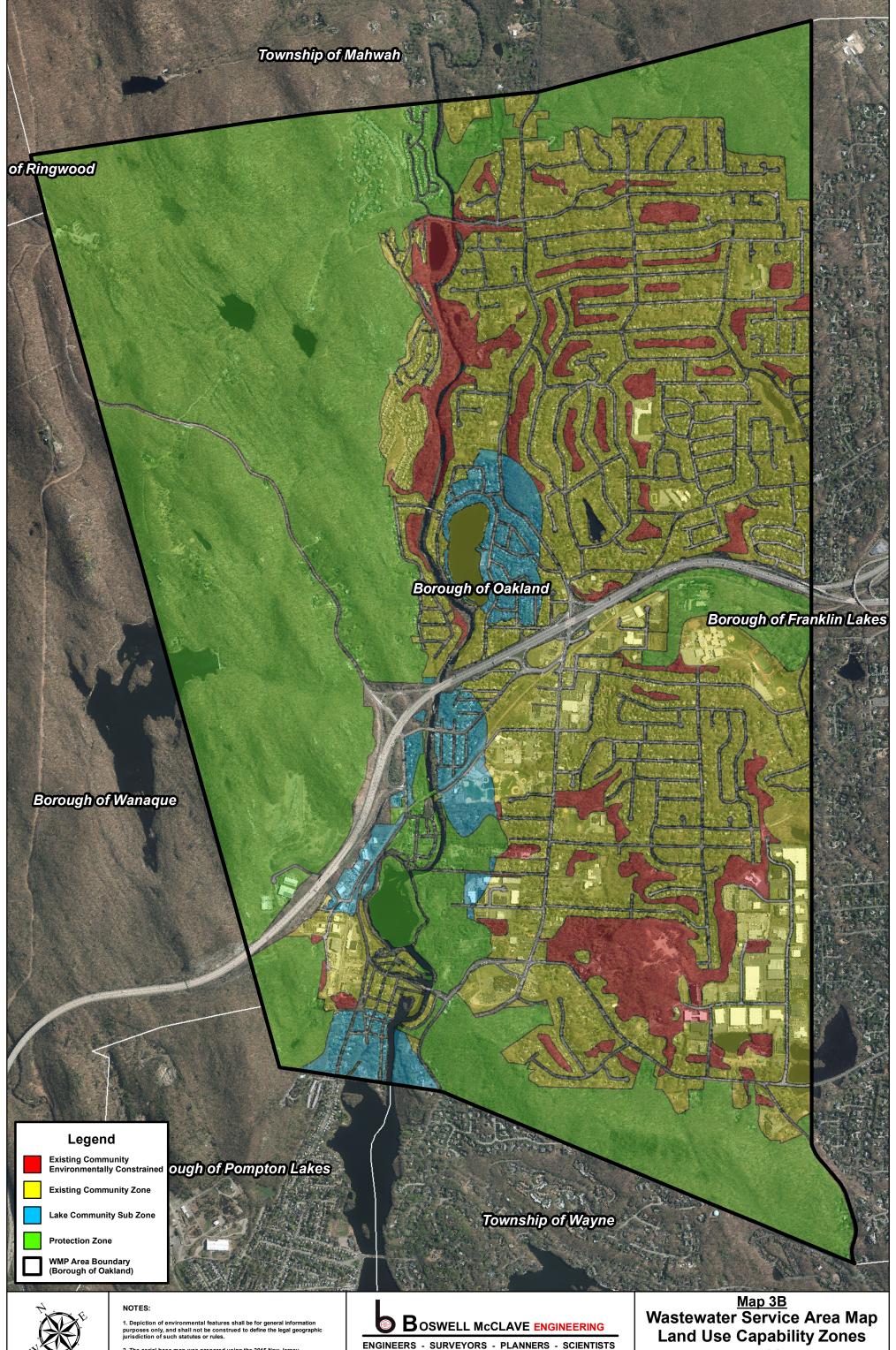


2. The aerial base map was prepared using the 2015 New Jersey High Resolution Orthoimagery from the New Jersey Information Warehouse.

3. All areas that do not fall under 'Proposed Assigned Sewer Service Area' or 'Existing Assigned Sewer Service Area,' are considered to be in the non-sewer service area.

ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS

330 Philips Avenue South Hackensack, NJ 07606 NJ Certificate of Authorization No. 24GA27958000 Tel: 201-641-0770 Fax: 201-641-1757

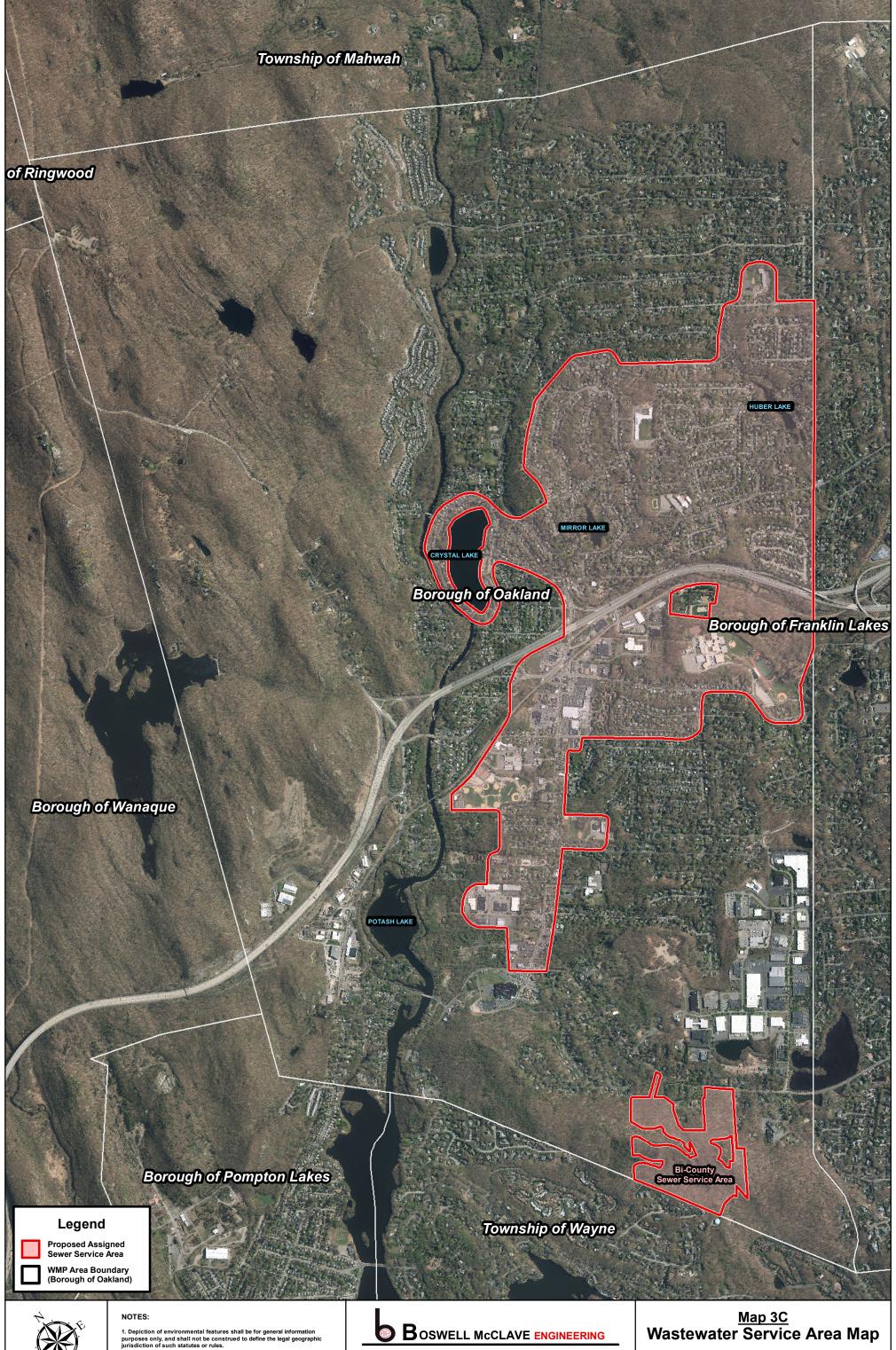




2. The aerial base map was prepared using the 2015 New Jersey High Resolution Orthoimagery from the New Jersey Information Warehouse The land use capability zones were established within the Highlands Regional Master Plan adopted by the Highlands Council pursuant to N.J.S.A. 13:20-8

330 Philips Avenue South Hackensack, NJ 07606 NJ Certificate of Authorization No. 24GA27958000 Tel: 201-641-0770 Fax: 201-641-1757

Borough of Oakland Bergen County Job No. OK-1620 New Jersey October 24, 2017



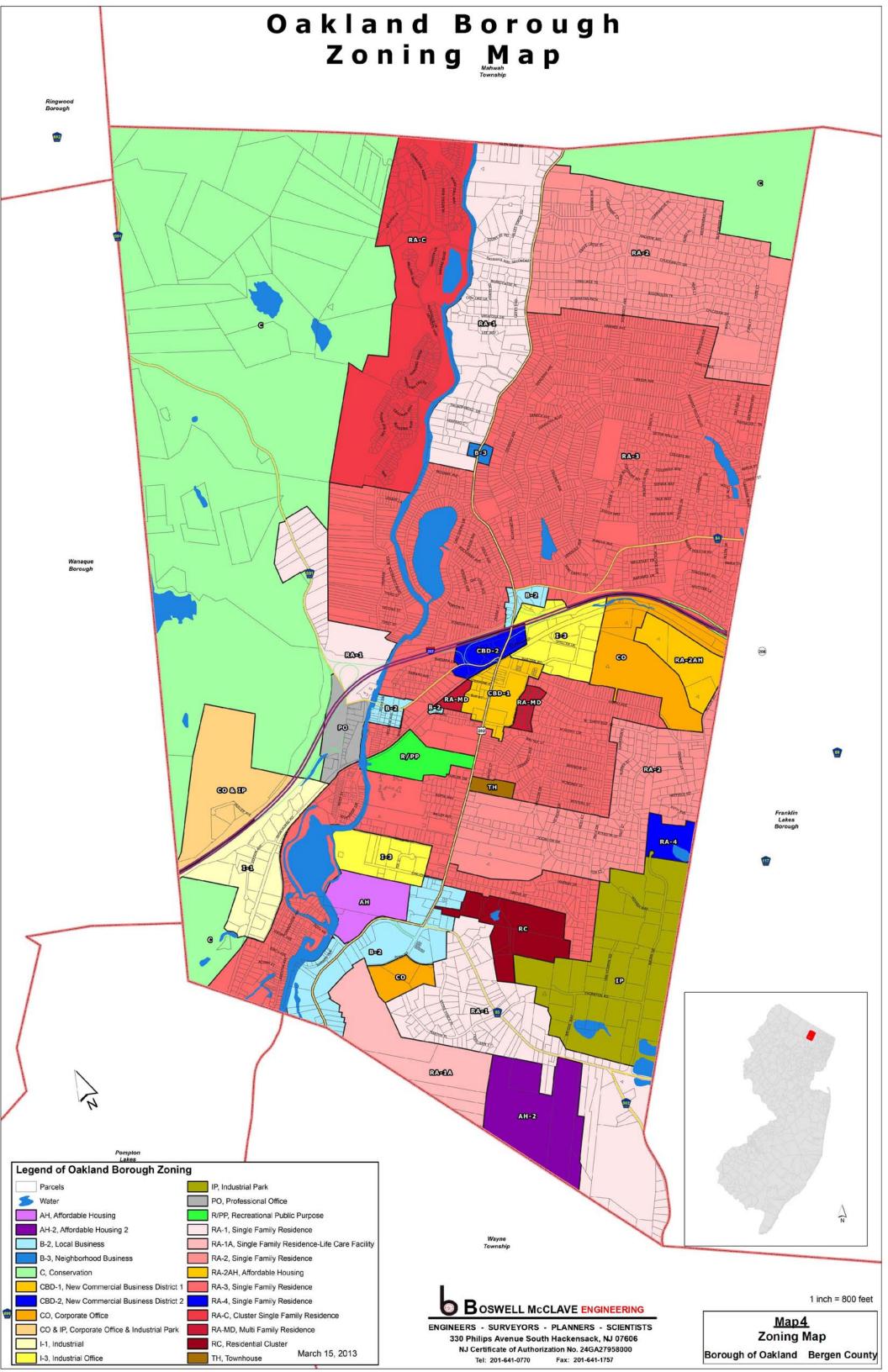


2. The aerial base map was prepared using the 2015 New Jersey High Resolution Orthoimagery from the New Jersey Information Warehouse.

ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS 330 Philips Avenue South Hackensack, NJ 07606

NJ Certificate of Authorization No. 24GA27958000 Tel: 201-641-0770 Fax: 201-641-1757

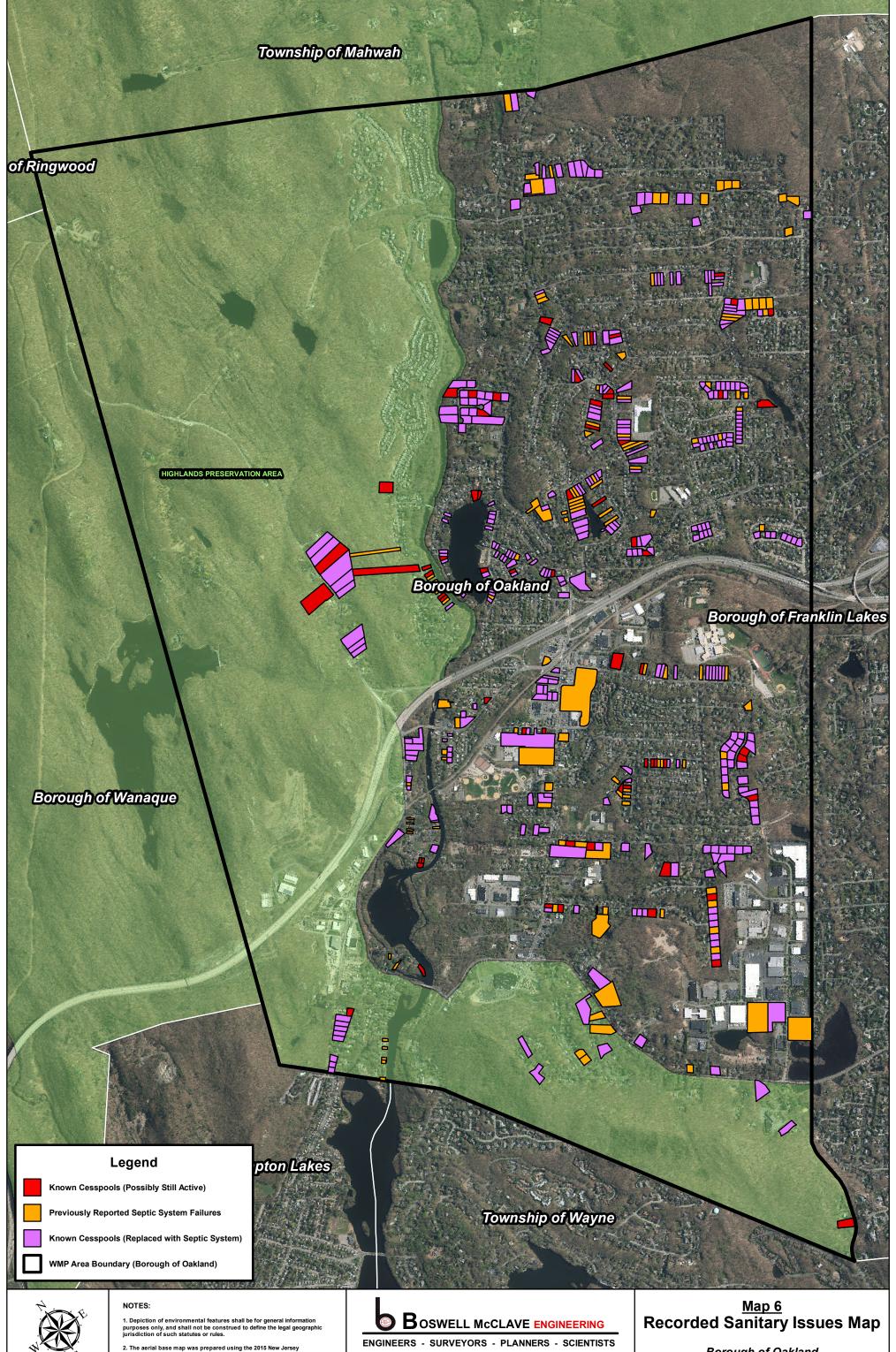
Borough of Oakland Bergen County Job No. OK-1620 New Jersey October 24, 2017





NJ Certificate of Authorization No. 24GA27958000 Tel: 201-641-0770 Fax: 201-641-1757

Bergen County Job No. OK-1620 New Jersey October 24, 2017





2. The aerial base map was prepared using the 2015 New Jersey High Resolution Orthoimagery from the New Jersey Information Warehouse.

330 Philips Avenue South Hackensack, NJ 07606 NJ Certificate of Authorization No. 24GA27958000 Tel: 201-641-0770 Fax: 201-641-1757

APPENDIX C – PREVIOUS STUDIES

Wastewater Treatment Plant Investigation Septic Data Base



Wastewater Treatment Plant Investigation

Our File No: OK-1607





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B PHOTOGRAPHS

C COST ESTIMATE

1.0 EXECUTIVE SUMMARY

Boswell Engineering (Boswell) was retained by the Borough of Oakland (Borough) to perform an evaluation of the three (3) existing wastewater treatment plants (WTP), Skyview-HiBrook, Chapel Hill and Oakwood Knolls. The three (3) WTPs have a combined average daily flow of 65,000 gallons per day (gpd).

After performing an assessment of each facility, it was determined that the plants are at the end of their useful life. Preparation of an equipment repair prioritization list was not feasible due to the condition of the existing assets. Full replacement of the plants is required.

Boswell has identified two (2) alternatives to remedy the situation and avoid failure of the system:

- a) Complete replacement of the three (3) WTP with new packaged plants.
- b) Decommissioning of the plants and installation of pumping stations to convey flow to the Northwest Bergen County Utilities Authority (NBCUA).

2.0 INTRODUCTION

The Borough owns and maintains three WTPs, which serve selected areas of the Borough.

The Skyview-HiBrook WTP is located at the north end of Lakeside Boulevard. This facility services 68 homes. The design average flow is 23,000 gpd. Actual flow has averaged 15-16,000 gpd.

The Chapel Hill WTP is located at the intersection of Hiawatha Boulevard and Calumett Avenue. This facility serves 24 homes in the Chapel Hill Estates development. Average daily flow is 7,000 gallons.

The Oakwood Knolls WTP is located on the east side of Oak Street, south of Yawpo Avenue. This facility services 166 hook-ups from the Oakcrest Townhouse Development and the Coppertree Mall. The plant has a design average daily flow of 35,000 gallons.

All three (3) facilities are package activated sludge systems with in-ground steel treatment tanks.

3.0 INVESTIGATION

Boswell Engineering, in accordance with the Borough's request, conducted initial and follow-up site inspections to determine existing conditions, and needed repairs/upgrades required to maintain continued operations at each facility.

Inspections were conducted at the Skyview-HiBrook plant on November 22, 2016 and January 17, 2017, at the Chapel Hill plant on December 6, 2016 and January 19, 2017, and at the Oakwood Knolls plant on December 30, 2016 and January 24, 2017.

The investigations were conducted by Edward Stephens, P.E. of Boswell McClave Engineering and Gerald Kastner, the licensed operator for the Borough of Oakland.

This report details the findings for each facility and makes recommendations for needed modifications.

3.1 SKYVIEW-HIBROOK WTP

The Skyview-HiBrook plant includes an influent comminutor, two aeration and settling tanks, a junction and splitter box, four sand filters, a flow meter, a chlorine contact tank, a dechlorination chamber, and an outfall sewer.

Also included are a blower building, a sludge storage tank, and a chlorination building. The plant is 50 years old.

Much of the equipment in the existing plant is aged and in a deteriorated condition. The following conditions are noted:

- a. There is no on-site emergency generator. Provision is made for the hook-up of a portable generator when needed.
- b. The aeration blowers are approximately 20 years old. Only one of three units is presently operating, some spare parts are available.
- c. The power supply to the Blower Building is in need of repair, as critical parts (circuit breakers) are missing. Also, there is no phase protection, or heat in the building.
- d. Control valves on the incoming and bypass piping are frozen in place, and will require replacement.
- e. The inflow comminutor has failed and been removed.
- f. The smaller of the two steel aeration/settling basins is out of service due to leaks caused by corrosion. The retaining wall adjacent to this basin has developed a bulge. The larger aeration/settling tank, currently in use, requires replacement.
- g. Piping systems inside the basins are deteriorated and need replacement.
- h. Electrical wiring has deteriorated, causing shorts.
- i. The concrete dosing chamber just upstream of the sand filters is in a deteriorated condition, requiring repair.
- j. The sand filters themselves are operating and in reasonably good condition. Downstream of the sand filters, the chlorine contact tank is leaking and requires repair. The chlorine building needs replacement.
- k. Downstream of the chlorine contact tank a clearwell houses a weir flow meter. The flow meter requires replacement. The clearwell tank is leaking into the driveway and needs repair. The clearwell tank also includes the de-chlorination chamber.
- 1. A steel sludge holding tank is in reasonably good condition.

- m. Electric conduit and wiring throughout the plant is severely deteriorated. Temporary above ground wiring has been used to replace corroded underground conduit and wiring in some areas. Control panels also need replacement.
- n. The plant will require a copper (cu) removal system.
- o. It is noted that two ejector stations discharge into the Skyview-HiBrook plant, the Lakeside Boulevard and the Tuscarora Street stations. Both stations have leaks, and deteriorated controls and piping. Both stations require replacement.

3.2 CHAPEL HILL ESTATES WTP

The Chapel Hill Estates plant consists of an influent bar screen and comminutor, an aeration and settling tank, a feed well, an upflow clarifier, flocculation tank, tube filters, two media filters, a clear well, UV disinfection, a flow meter and outfall sewer.

A waste sludge storage tank, and a media filter backwash mud well are also included.

Standby power is provided by a 30 kw emergency generator, with a buried diesel fuel storage tank.

The plant was constructed in 1986.

The site survey revealed the following conditions:

- a. The influent comminutor is functioning in a deteriorated condition and requires replacement.
- b. The aeration tank air delivery system, including the blowers, diffusers and piping requires replacement.
- c. The return activated sludge piping is also in need of repair or replacement.
- d. The feedwell pumps, and float controls, which deliver flow from the settling tank to the upflow clarifier, need replacement. The feedwell tank is also cracked.
- e. The media in the upflow clarifier needs replacement.
- f. The flocculation tank equipment is inoperative, and is not used.
- g. The media in the two filter wells requires replacement.
- h. All pumping systems within the clearwell need replacement, including two effluent pumps, two filter backwash pumps, and one upflow clarifier backwash pump, along with controls.
- i. The clear well aeration system is not operative. This was an added on system.
- j. The ultra violet disinfection system leaks and requires replacement.
- k. The discharge well piping needs replacement. Groundwater intrusion into the discharge well is also a problem. A sump pump is needed to remove the ground water.
- 1. Two pumps in the mud well, which receives the filter backwash flow, require replacement.
- m. The air compressor for the filter scour system requires replacement.

- n. This plant will also require a system for copper (cu) removal.
- o. The flow-thru facilities are enclosed in in-ground steel tanks which have incurred corrosion in many sections.
- p. The underground diesel fuel tank is 20 years old and needs to be inspected.

3.3 OAKWOOD KNOLLS WTP

The Oakwood Knolls Wastewater Treatment Plant was constructed around 1967.

Facilities include an influent splitter box, inflow comminutor, equalization tank, aeration and settling tank, feed well, upflow clarifier, filter tank, backwash tanks, (2), chlorine contact tank, denitrification clear well, effluent flow meter, outfall and two sludge holding tanks.

The following observations were noted, during the site investigations:

- a. The electrical wiring to the comminutor has been replaced.
- b. The weir control in the influent diversion chamber needs repair, due to corrosion.
- c. The grinders in the equalization tank need to be replaced. The equalization tank aeration blower also requires replacement.
- d. The pipeline from the equalization back to the aeration tank needs replacement.
- e. Piping inside the aeration tank needs replacement.
- f. The aeration tank walls above ground, are corroded in some areas, and the tank is leaking.
- g. The underground air line from the blowers has corroded. Temporary above-ground piping has been installed. A new underground installation is required.
- h. The v-notch weirs in the aeration tank have been replaced.
- i. The pumps in the feed well, which discharge to the upflow clarifier, require replacement.
- j. The filter tank, downstream from the upflow clarifier is not working due to deteriorated controls and corrosion. This tank was installed in 1992, also the filter media requires replacement. The Air Scour System also needs upgrading.
- k. The system for backwashing the filter media requires upgrading. The backwash tanks are not used, due to leaks caused by corrosion. The filter backwash pumps require replacement.
- 1. The chlorine contact tank is severely corroded. The underground piping has been replaced with piping on grade.
- m. The dechlorination building equipment and controls, need a total upgrade. The dechlorination building structure is adequate.
- n. The clear well is in adequate condition.
- o. The plant flow meter requires replacement.

p. The blower control panel in the blower building needs replacement. In the same building, the electric panel and the generator Automatic Transfer Switch (ATS) need replacement. Alarms are not functioning. The blower building roof is leaking.

4.0 SUMMARY AND RECOMMENDATION

Based on the fact that all three (3) facilities are at the end of their expected service life and have extensive deficiencies, it is recommended that the plants are decommissioned and either replaced in their entirety or replaced with pumping stations to convey flow to NBCUA.

A construction cost estimate for the replacement of the plants is included in Appendix C.

The timeline for design and construction would differ depending on the source of funding. If the Borough funds the project, the design phase can commence after funding is available. The following is the schedule:

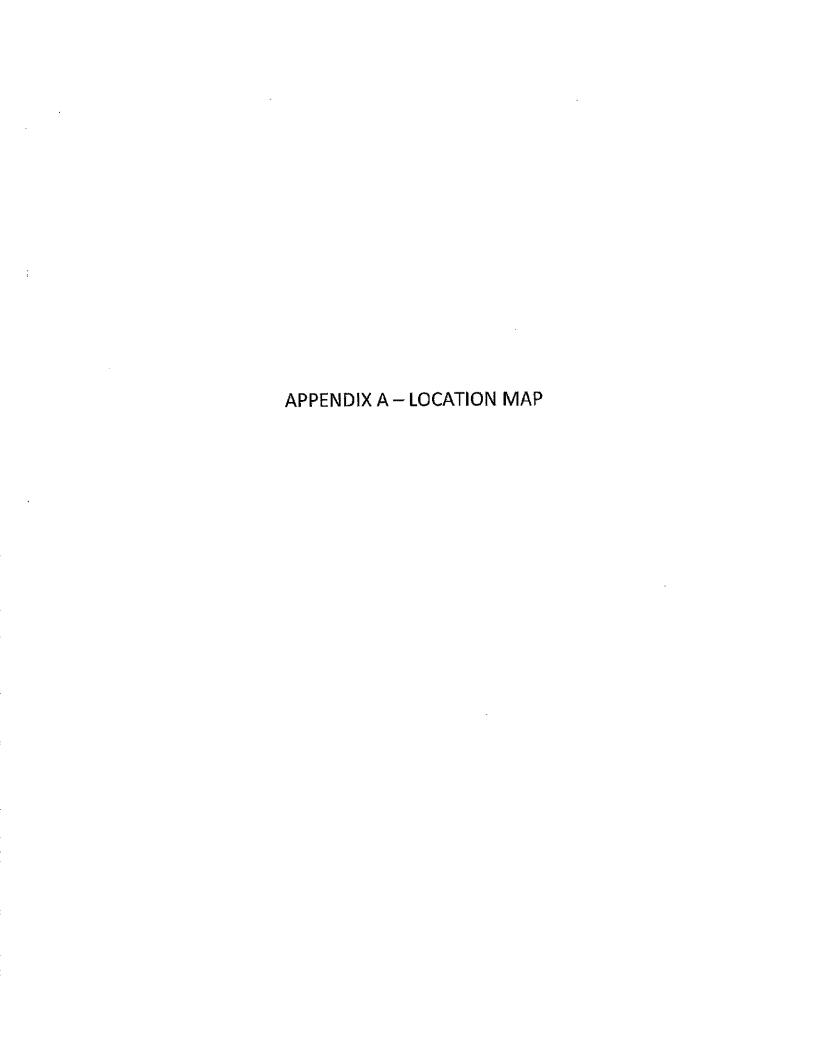
Sept 1, 2017	Notice to proceed
Jan 14, 2017	Preliminary Design Plans for review by the DPW
Feb 15, 2017	Submission of a Treatment Works Approval (TWA) Permit Application
	to NJDEP
May 8, 2018	Receive TWA permit
May 22, 2018	Bid Project
June 16, 2018	Receive Bids
July 28, 2018	Award Project
Aug 12, 2018	Construction Begins
Apr 30, 2019	Completion of Project

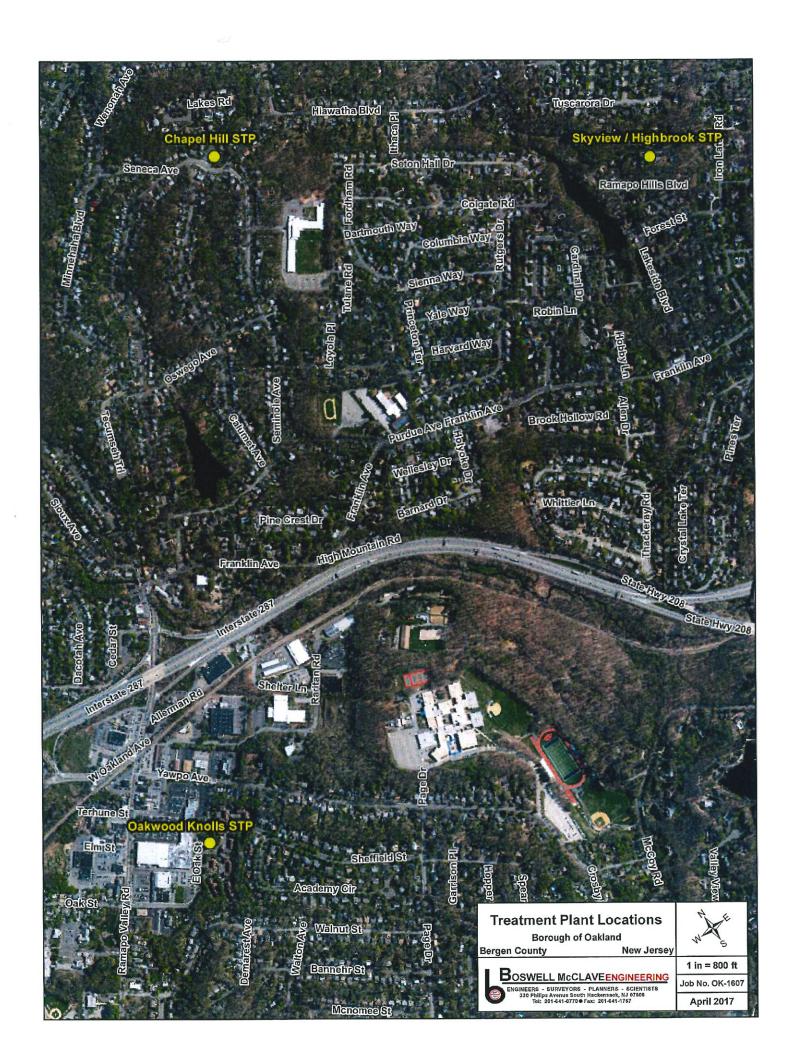
If the Borough seeks funding through the New Jersey Environmental Infrastructure Trust Fund (NJEIT), the following is the schedule for the project:

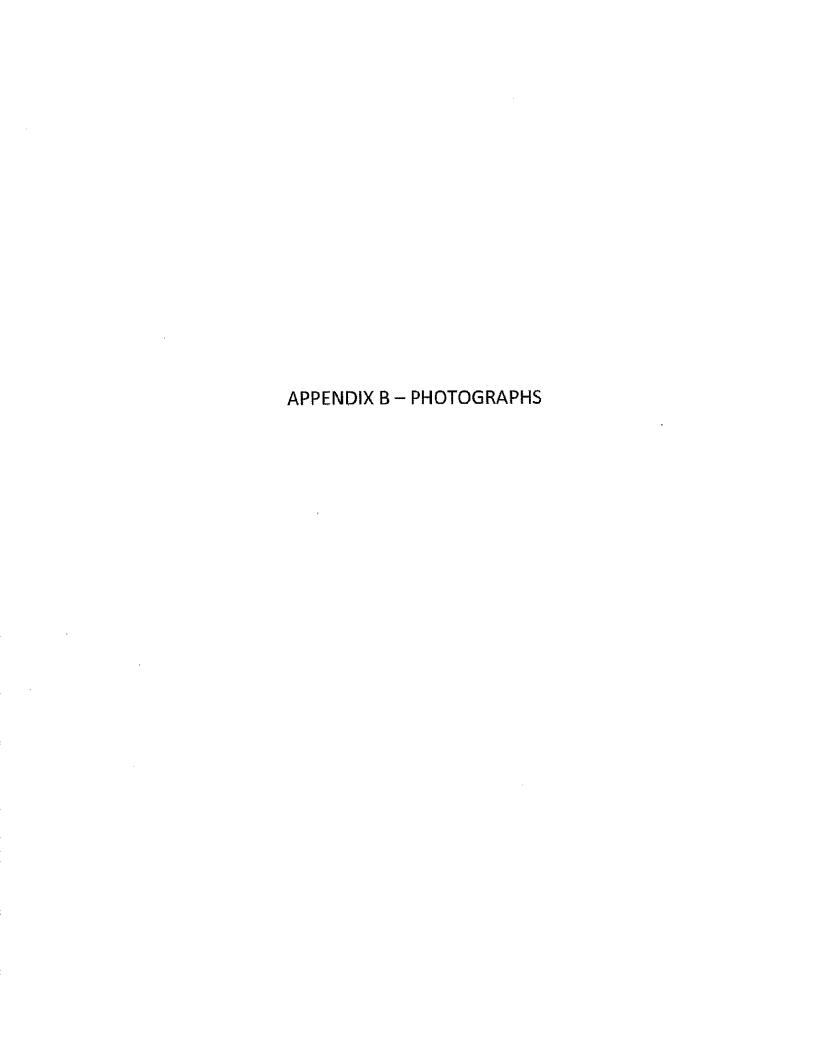
Sept 1, 2017	Notice to proceed
Jan 14, 2017	Preliminary Design Plans for review by the DPW; Submission of Loan
	Application and documents to the NJEIT for review
Feb 15, 2017	Submission of a Treatment Works Approval (TWA) Permit Application
	to NJDEP
May 8, 2018	Receive TWA permit
July 16, 2018	Receive Authorization to Bid from the NJEIT
Aug 15, 2018	Bid Project
Sept 8, 2018	Receive Bids

Oct 3, 2018 Oct 25, 2018 Nov 24, 2019 Award Project Construction Begins Completion of Project

ES/ajf 170208ajfR1.doc









PHOTOGRAPHS

CLIENT NAME:

Borough of Oakland

SITE LOCATION: Skyview Hi-brook WTP PROJECT NAME:

Wastewater Treatment Plant Investigation OK-1607

PROJECT No.:

Photo No. 1. Description:

Blower Room (one of the three (3) operating)



Photo No. 2. Description:

Sludge Storage Tank and Blower Building





PHOTOGRAPHS

Borough of Oakland

SITE LOCATION: Skyview Hi-brook WTP PROJECT NAME:

Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

Photo No. 3. Description:

Smaller treatment tank (not used due to corrosion)



Photo No. 4. Description:

In-service treatment tank, junction box and splitter tank for sand filters





PHOTOGRAPHS

CLIENT NAME:

Borough of Oakland

SITE LOCATION:

Skyview Hi-brook WTP

PROJECT NAME:

Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

Photo No. 5. Description:

Retaining wall bulge at smaller treatment tank and sand filters.



Photo No. 6.

Description:

Sand Filters





PHOTOGRAPHS

CLIENT NAME: Borough of Oakland SITE LOCATION: Skyview Hi-brook WTP PROJECT NAME: Wastewater Treatment Plant Investigation OK-1607

PROJECT NO.:

Photo No. 7. Description:

In-use aeration and settling tanks.



Photo No. 8.

Description:

Concrete deterioration at splitter box.





PHOTOGRAPHS

ENGINEERS • PLANNERS • SURVEYORS • SCIENTISTS

CLIENT NAME:

Borough of Oakland

SITE LOCATION: Chapel Hill WTP PROJECT NAME:

Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.: OK-1607

Photo No. 1. Description:

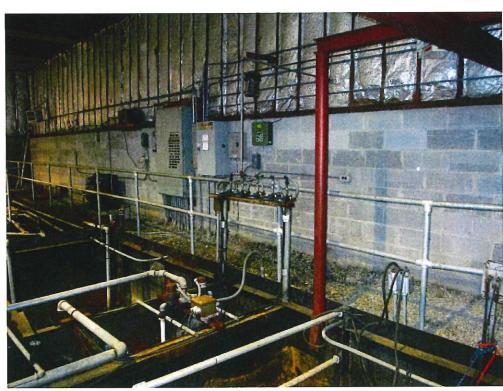
Underground Diesel Storage Tank



Photo No. 2.

Description:

Clearwell, Mixed Media Filters and Mud Well





PHOTOGRAPHS

CLIENT NAME: Borough of Oakland SITE LOCATION: Chapel Hill WTP PROJECT NAME: Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

Photo No. 3. Description:

Walkway at Clearwell



Photo No. 4. Description:

Clearwell, Flocculation Tank and Denitrification Filter





PHOTOGRAPHS

ENGINEERS • PLANNERS • SURVEYORS • SCIENTISTS

CLIENT NAME: Borough of Oakland SITE LOCATION: Chapel Hill WTP PROJECT NAME: Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

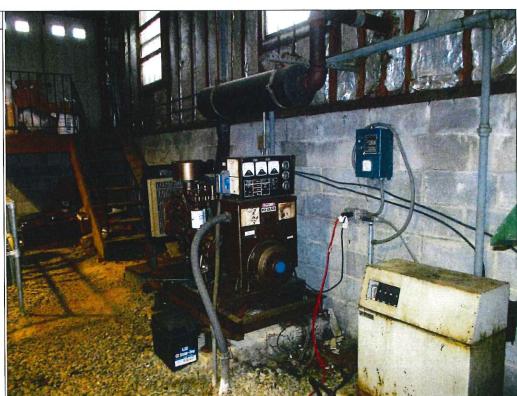
Photo No. 5. Description:

Mud Well (for backwash water)



Photo No. 6. Description:

Emergency Generator





PHOTOGRAPHS

CLIENT NAME: Borough of Oakland SITE LOCATION: Chapel Hill WTP PROJECT NAME: Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

Photo No. 7. Description:

Inlet End looking downstream

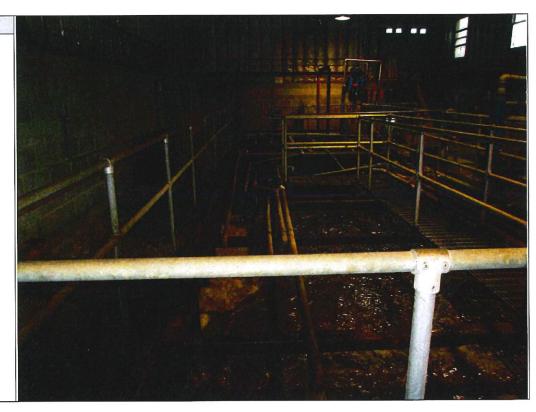


Photo No. 8. Description:

Aeration Blowers





PHOTOGRAPHS

CLIENT NAME:

Borough of Oakland

SITE LOCATION: Chapel Hill WTP PROJECT NAME:

Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

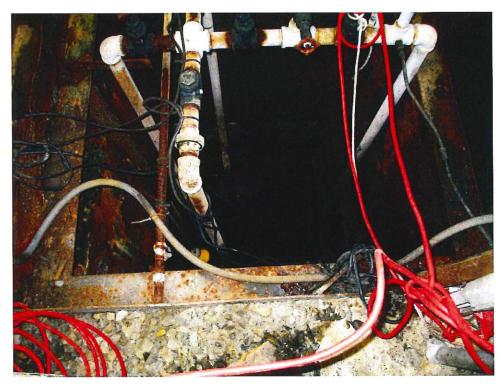
Photo No. 9. Description:

Flocculation Tank and Denitrification Filter



Photo No. 10. Description:

Feed Well





PHOTOGRAPHS

CLIENT NAME: Borough of Oakland SITE LOCATION: Chapel Hill WTP PROJECT NAME: Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

Photo No. 11. Description:

Sludge Holding Tank



Photo No. 12. Description:

Flocculation, Tube Media, Mixed Media, Denitrification and Mud Well





PHOTOGRAPHS

CLIENT NAME: Borough of Oakland SITE LOCATION: Chapel Hill WTP PROJECT NAME:

PROJECT No.:

Wastewater Treatment Plant Investigation OK-1607

Photo No. 13. Description:

Mud Well



Photo No. 14.

Description:

Walkway at Aeration and Settling Tank





PHOTOGRAPHS

ENGINEERS • PLANNERS • SURVEYORS • SCIENTISTS

CLIENT NAME:

Borough of Oakland

SITE LOCATION: Oakwood Knolls WTP PROJECT NAME:

Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

Photo No. 1.

Description:

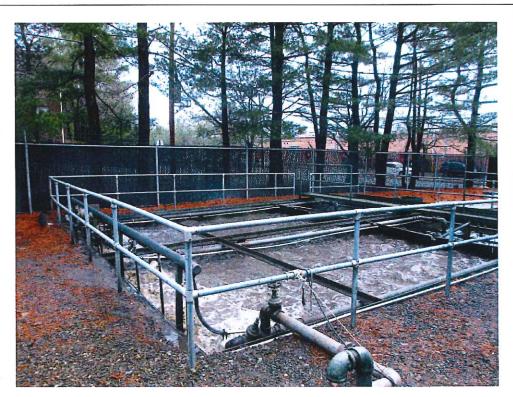
Equalization tank (not used due to leaks)



Photo No. 2.

Description:

Aeration-sedimentation tank





PHOTOGRAPHS

CLIENT NAME:

Borough of Oakland

SITE LOCATION: Oakwood Knolls WTP PROJECT NAME: Wastewater Treatment Plant Investigation OK-1607

PROJECT No.:

Photo No. 3. Description:

Un-used chambers



Photo No. 4. Description:

Circular sludge tanks (2); Aeration-settling tank and Filter Building





PHOTOGRAPHS

ENGINEERS • PLANNERS • SURVEYORS • SCIENTISTS

CLIENT NAME: Borough of Oakland SITE LOCATION: Oakwood Knolls WTP

PROJECT NAME: Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

Photo No. 5. Description:

Temporary air line from Blower Building; Original line corroded



Photo No. 6.

Description:

Chlorine Contact tank (corroded)





PHOTOGRAPHS

ENGINEERS • PLANNERS • SURVEYORS • SCIENTISTS

Borough of Oakland

SITE LOCATION: Oakwood Knolls WTP PROJECT NAME: Wastewater Treatment Plant Investigation | OK-1607

PROJECT No.:

Photo No. 7. Description:

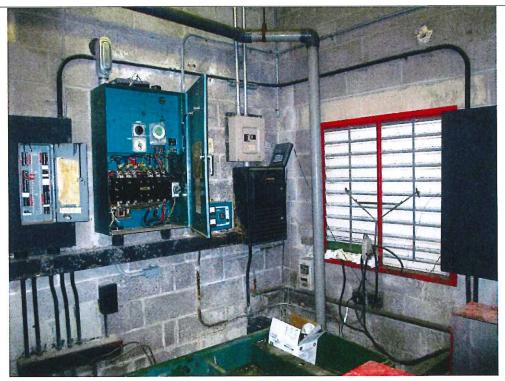
Top of Filter and Upflow Clarifier, Filter Building

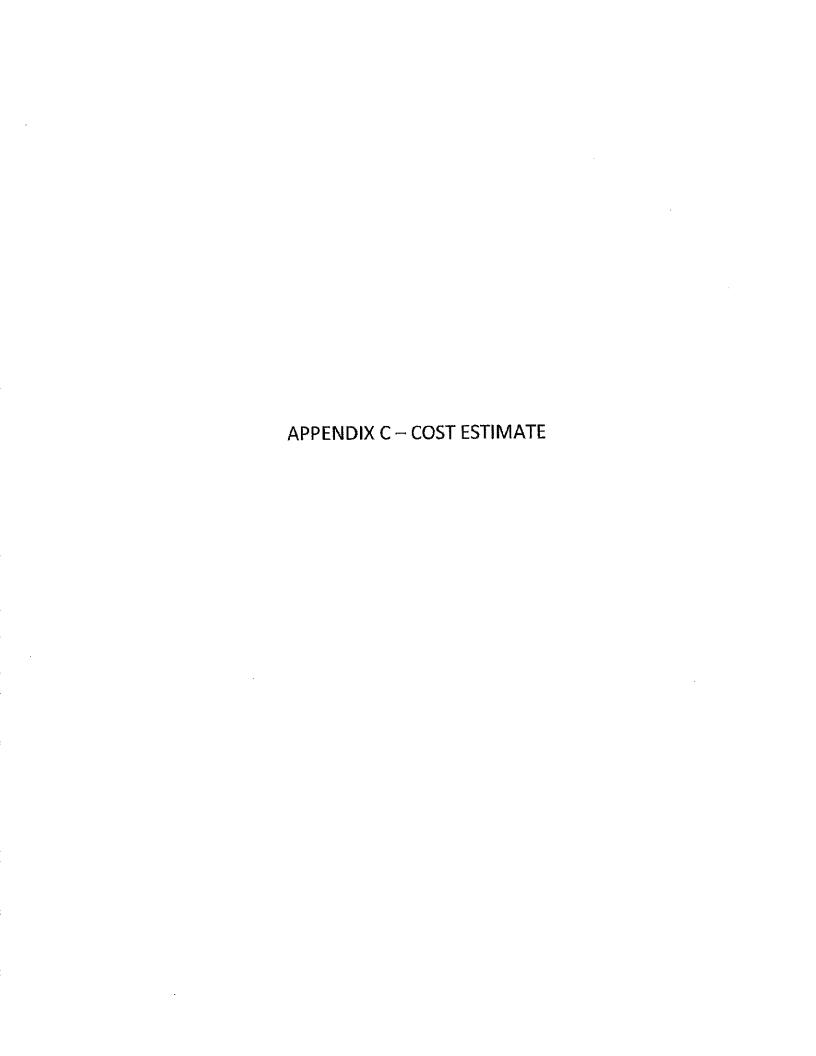


Photo No. 8.

Description:

Electrical Panels, Filter Buildings

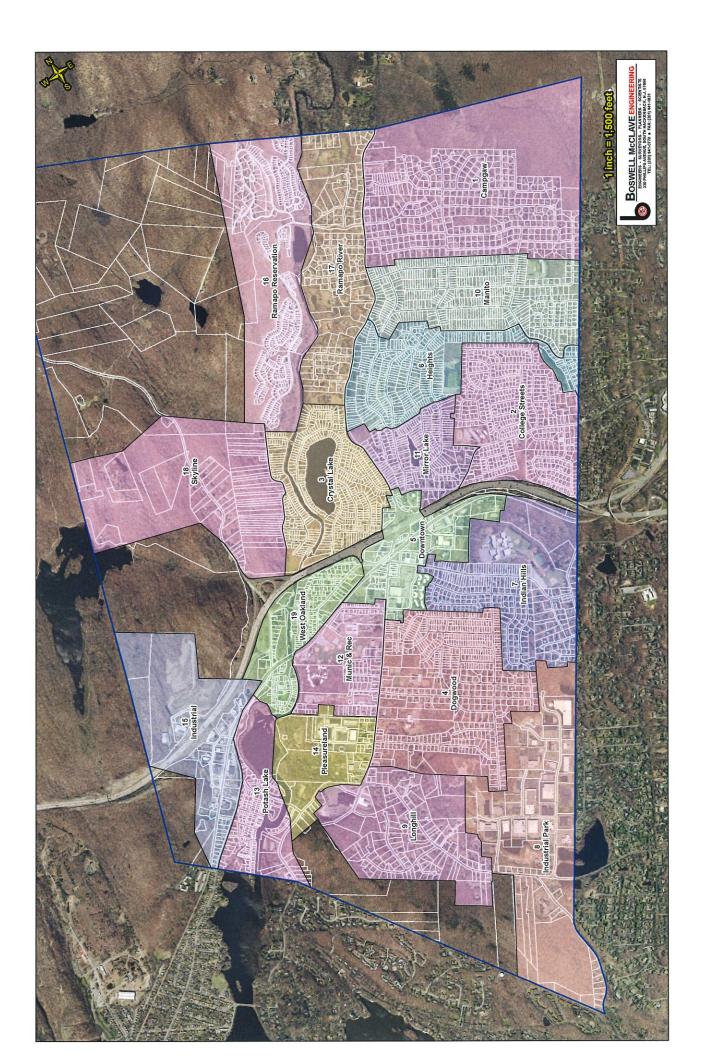




Borough of Oakland Treatment Plant Replacements Manufacturer's Design and Construction Cost (Package Plants) Our File No. OK-1607

	Construction*
Sky View – HiBrook	\$ 765,000
Chapel Hill	\$1,200,000
Oakwood Knolls	\$1,355,000
Total Manufacturer's Cost Contingency (5%) Engineering/Inspection (15%) Total	\$3,320,000 \$ 160,000 <u>\$ 520,000</u> \$4,000,000

^{*}Includes demolition of existing equipment, furnishing and installing new equipment.





Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 1: Campgaw

Elements Comments		w		2010 - New system / 2013 - Asbuilts received	L.	T T T T T T T T T T T T T T T T T T T		2010 - New system	The second control of	•	The state of the s	2014 - New System	,	2009 - New System		"		n.		, i				-		**************************************			***		,	THE	•
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vaired System Failures	L	•	r	4	1983 - Overflowing septic	r	1		t	1983 - Drainage field very wet, not overflowing		•	t	1976,1977 - Maifunctioning septic system	4		1	•		1	2006 - Septic Overflow	2006 - Septic Overflow	1978 - Septic backup, overflow within house	u.	ŀ	_	_	<u>a.</u>	_	ı	1983 - Septic Malfunction	1966 - System overflow	•
Year Repaired	1973	1972 / 1991	1970 / 1989 / 2006	1976 / 2010	1972 / 1984 / 2005	1984 / 2007	1984 / 1988	2010	1980 / 1990 / 1999	2000 / 2001	1992	1976 / 1983 / 2014	1998	1975 / 1984 / 1996 / 2009	ŧ	1982	t	1978 / 1989 / 1991	-	F	2014	1985 / 2006	1980 / 1987 / 1995	-	1993 / 2007	1964 / 1988	1973 / 1979	-	1969	1972 / 2000	1966 / 1985	1967	2002
Year Designed	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1967	1967	1968	1967	1973	1967	1973	1973	1972	1972	1973	1973	1973	1972	1960	1960	1960	1958	1960	1960	1960	1960	1965
Street Address	200 Manito Ave	206 Manito Ave	210 Manito Ave	214 Manito Ave	213 Manito Ave	209 Manito Ave	205 Manito Ave	199 Manito Ave	193 Manito Ave	117 Chicasaw Dr	117 Algonquin Trail	113 Algonquin Trail	149 Chuckanutt Dr	2 Cree Ct	8 Cree Ct	12 Cree Ct	135 Chuckanutt Dr	129 Chuckanuff Dr	123 Chuckanutt Dr	117 Chuckanutt Dr	111 Chuckanutt Dr	105 Chuckanutt Dr	99 Chuckanutt Dr	110 Andrew Ave	94 Iroquiois Ave	100 Iroquiois Ave	106 Iroquiois Ave	114 Iroquiois Ave	60 Chuckanutt Ave	64 Chuckanutt Ave	68 Chuckanutt Ave	72 Chuckanutt Ave	76 Chirkaniit Ave
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Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 1: Campgaw

	Comments		h	3		1		2015 - New System	2009 - New pits installed		-						Also Repaired in: 1994 / 1995	1	,	1998 - New System			1			2000 - Septic tank cave in	,		in the state of th				THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS	,
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DailSian	Year Repaired	1965 / 1976 / 2007	1972	1975	1975 / 1993	1983	1987 / 1997	1975 / 2015	1976 / 1979 / 1983 / 1988	1970	1978 / 2003	1	1995	1966	1975 / 1997 / 2004 / 2007	1988 / 1999	1967 / 1977 / 1980 / 1986	1967 / 2011	1999 / 2000	1975 / 1998	1968 / 1980 / 1985	1983 / 1985	2015	1975 / 1989 / 1998	1976 / 1988	1972 / 2000 / 2014	1971 / 2004	1974 / 1990	1972 / 1978 / 2013	1984 / 1986	1974 / 2007	1972 / 2002	1	1980 / 2004 / 2005
	Year Designed	1961	1962	1963	1962	1965	1969	1968	1969	1968	1969	1964	1967	1963		1961	1960	1962		1962	1962	1976	1980	1958	1970		1953	1961	1963	1954	1955	1964	1964	1963
	Street Address	80 Chuckanutt Ave	84 Chuckanutt Ave	88 Chuckanutt Ave	92 Chuckanutt Ave	96 Chuckanutt Ave	63 Algonquin Trail	8 Hopi Ct	9 Hopi Ct	7 Hopi Ct	55 Algonquin Trail	47 Algonquín Trail	41 Algonquin Trail	35 Algonquin Trail	778 Ramapo Valley Rd	782 Ramapo Valley Rd	788 Ramapo Valley Rd	790 Ramapo Valley Rd	792 Ramapo Valley Rd	794 Ramapo Valley Rd	800 Ramapo Valley Rd	14 Andrew Ave	16 Andrew Ave	18 Andrew Ave	20 Andrew Ave	22 Andrew Ave	24 Andrew Ave	28 Andrew Ave	30 Andrew Ave	34 Andrew Ave	38 Andrew Ave	42 Andrew Ave	46 Andrew Ave	50 Andrew Ave
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	Velgriborhood	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Сатрдам	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	1. Campgaw	 Campgaw 	1. Campoaw



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 2: College Streets

32		,						1	-		_			-	_			ı			- 1	1			- 1				,		- 1		1	
	Comments	2004 - New system	1998 - New septic tanks	_	2013 - New System	The state of the s		WINNING T	1994 - New System		a and a consequent of the temperature of the temper	***************************************	_		"			MATHAMAT .	The state of the s		The state of the s	SERVINA MARKANIA AND AND AND AND AND AND AND AND AND AN				Also repaired in: 2002 / 2015	4	= =====================================	The second control of the telephone to the second control of the s	1994 - Dining room addition	2005 - Second floor addition	1999 - Pool addition	WARRANCE TO THE PROPERTY OF TH	2003 - New bedroom addition
	Cesspool (Y/N)	.	, ×	Υ	>	Ϋ́	У	У	Υ	, , , , , , , , , , , , , , , , , , ,	Α.	У	λ ,	λ	γ	λ ,)	λ	Υ	γ	γ	-	-	,	Υ	>	Υ.	\	-	>-	>	>-	>	>-
Neighborhood z. college Streets	System Failures 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		1979 - Overflowing system	-	Wester .	•	a.		1982,1984 - Overflowing system			7	-		1					3		-			•	track-to-to-to-to-to-to-to-to-to-to-to-to-to-	_	***************************************	_		-		**************************************	•
neilingiihan	Year Repaired	1973 / 2004	1972 / 1977 / 1998	1967 / 1972	1986 / 2013	1999 / 2015	2011	1964 / 2004	1984 / 1994	1966	2009 / 2014	1956 / 1967 / 1983 / 2014	1982 / 1986	1990 / 2007	1978 / 2005	1986 / 2002	2014	1972 / 1978 / 1989 / 2004	1959 / 1972 / 2001	1964 / 1988 / 2005	1963 / 1998	1981 / 1989	1987	2002	1972 / 1985 / 1992	1962 / 1969 / 1979 / 1988	1965 / 1989	1960 / 1999	1954 / 1956 / 1973 / 1999	1992	2005	1969 / 1995 / 1999	1982 / 2014 / 2015	2003
	Year Designed	1953	1954	1953	1954	1954	1954	1954	1954	1954	1953	1953	1953	1953	1953	1953	1953	1951	1951	1951	1951	,	-	1	1951	1951	1951	1951	-	1953	1953	1955	1953	1953
	Street Address	26 Princeton Terr	4 Sienna Way	6 Sienna Way	8 Sienna Way	10 Sienna Way	12 Sienna Way	14 Sienna Way	16 Sienna Way	18 Sienna Way	20 Sienna Way	49 Rutgers Dr	37 Rutgers Dr	15 Yale Way	13 Yale Way	9 Yale Way	5 Yale Way	11 Wellesley Dr	9 Wellesley Dr	7 Wellesley Dr	5 Wellesley Dr	3 Wellesley Dr	14 Mt. Holyoke Dr	16 Barnard Dr	20 Barnard Dr	22 Barnard Dr	24 Barnard Dr	9 Vassar Pl	7 Vassar Pi	3 Cornell Pl	50 Rutgers Dr	52 Rutgers Dr	54 Rutgers Dr	56 Rutgers Dr
	Blockflot	2	3	4	2	9	_	80	6	10	1	12	13	14	15	- 4.1	62	-	2	33	4	2	9		8	6	9	Ξ	12	1	2	3	4	2
	ale	4910	4910	4910	4910	4910	4910	4910	4910	4910	4910	4910	4910	4910	4910	4910	4910	4403	4403	4403	4403	4403	4403	4403	4403	4403	4403	4403	4403	2005	5002	2005	5002	5002
	Neighborhood	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2, College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2, College Streets	2. College Streets	2. College Streets	2. College Streets



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 2: College Streets

	Comments		2000 - Pool addition	t	2000 - Septic tank installed	1	•		ı	2004 - 3 Bedroom addition			2000 - Cesspool was replaced with Septic tank	,	•	•	r	3	•		•	2003 - House addition		1	ž.	,	2010 - Pool and deck replacement	1	•	•	1997 - Septic tank installed	2014 - New System		
	Gesspool (YM)	>	X	У	¥	N	2	2	2	F		\		*	У	N	Υ	Υ	У	Υ	7	Υ.	Υ	N	ı	,	N	1	У	X	Υ	N	~	2
Neignbornood 2: College Streets	System Failures	4		_	Leaves dumped in wooded area	-			1	-	t	ŧ	•	•	Laundry discharge into street	•	•	•		1		t	1	Septic overflow in rear yard		Septic overflow in rear yard		1	-	Laundry waste flowing into street	1		1985 - Septic Overflow	
Neignoornoo	Year Repaired	1972 / 2003	2003 / 2004	1969 / 1987	2000	1989 / 2000	2007	1988 / 2010	1999	2004 / 2005	ł	1992 / 1999	2000 / 2013	1987	1963 / 1986	1986	1969	2001 / 2004	2003	1968 / 1973 / 1986 / 2002	1966 / 1999	1987 / 2003 / 2010 / 2011	1988	1993		1969	1965 / 1986 / 1994	-	2002	t	1972 / 1997	1979 / 2014	1973	1982
	Year Designed	1955	1953	1953	1953	1954	1954	1954	1954	1954	1966	1955	1955	1955	1955	,	1955	1955	1955	1955	1955	1954	1959	1985	1954	1954	1954	1954	1955	1968	1955	1966	1965	1966
	in Street Address	58 Rutgers Dr	60 Rutgers Dr	62 Rutgers Dr	64 Rutgers Dr	66 Rutgers Dr	26 Colgate Rd	28 Colgate Rd	30 Colgate Rd	32 Colgate Rd	34 Colgate Rd	11 Colgate Rd	6 Hobart Pl	8 Hobart PI	38 Seton Hall Dr	40 Seton Hall Dr	42 Seton Hall Dr	44 Seton Hall Dr	46 Seton Hall Dr	48 Seton Hall Dr	50 Seton Hall Dr	54 Seton Hall Dr	60 Seton Hall Dr	27 Colgate Rd	25 Colgate Rd	23 Colgate Rd	21 Colgate Rd	19 Colgate Rd	17 Colgate Rd	15 Colgate Rd	13 Colgate Rd	54 Thackeray Rd	60 Thackeray Rd	66 Thackeray Rd
	BlockLat	9		8				12	13	14	15	-	2	3	4	5	9 1	1 /	8 1	6 1	10	11	12	13		,		17	18		20	-	2	
	B	s 5002	Н			s 5002		_			s 5002	s 5003	s 5003	s 5003			s 5003					s 5003					_	s 5003	s 5003	s 5003				s 4306
	Neighborhood	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2. College Streets	2, College Streets	2. College Streets	2. College Streets



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 2: College Streets

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	Comments		The state of the s	_	-	Also repaired in: 2012	•	-	1	•	•	_	•	•	•	-									THE PROPERTY OF THE PROPERTY O			
	Cesspool (Y/N)	Z	N	N	Z	N	N	Х	Ж		λ	N	λ	λ	Z	λ												
Neighbulloud 2. college offeets	System Failures			•	-				A A A A A A A A A A A A A A A A A A A			ź	-	ı		•							*******	***************************************			The second control of the second of the seco	
nallinglifian	Year Repaired	1971 / 2005	2012	1994	1993 / 2007	1973 / 1986 / 1988 / 1991	1972 / 1984 / 1988 / 2006	1994 / 2015	1968 / 1970 / 1978	2006 / 2012	1972 / 1996	2002	1996 / 1999	1979 / 1988	1980	1983					***					THE STATE OF THE S		
	Year Designed	1966	1966	1965	1965	1965	1965	1964	1963	1963	1963	1963	1963	1963	1964	1964											***************************************	
	Street Address	70 Thackeray Rd	74 Thackeray Rd	78 Thackeray Rd	84 Thackeray Rd	90 Thackeray Rd	98 Thackeray Rd	31 Whittier Lane	27 Whittier Lane	23 Whittier Lane	19 Whittier Lane	17 Whittier Lane	15 Whittier Lane	11 Whittier Lane	7 Whittier Lane	3 Whittier Lane												
	Block/Lot	4306 4	4306 5	4306 6	4306 7	4306 8	4306 9	4306 10	ļ	4306 12	4306 13	4306 14	4306 15	4306 16	4306 17	4306 18	 		 				 •••••					
	Neighborhood	2. College Streets 43		2. College Streets 43			\vdash	_	-	┝		<u> </u>											-					



Neighborhood	Block/Lot	Streel Address	Year Designed	Year Repaired	System Fallures	Cesspool (YIN)	Comments
3. Crystal Lake	1501 3	191 Lakeshore Dr	1955	1969 / 1979 / 1992		, ,	1979 - New system
3. Crystal Lake	1501 4	189 Lakeshore Dr	1953	1997 /	,	Υ	a transfer of the second secon
3. Crystal Lake	1501 5	187 Lakeshore Dr	1959	1984 / 1993	3	2	— emindebehAWWWY
3. Crystal Lake	1501 6		1958	1997		N	The state of the s
3. Crystal Lake	1501 7	183 Lakeshore Dr	1960	1967	-	λ	-
3. Crystal Lake	1501 8	181n Lakeshore Dr	1956	1989		N	**************************************
3. Crystal Lake	1501		1957	1996 / 2006		N	MANAGE TO THE PROPERTY OF THE
3. Crystal Lake	1501 10	177 Lakeshore Dr	-	1970 / 1986	_	Z	
3. Crystal Lake			,	1972 / 1975	-	N	The second secon
3. Crystal Lake	1501 12		1964	1975		Z	HAARISHWAYA - 2
3. Crystal Lake	1501 13		1957	1982 / 1985 / 1992	-	γ	a a
3. Crystal Lake	1501 14		1960		•		e removement de demonstrative
3. Crystal Lake	1501 15		1957	1965 / 2011		Υ	***************************************
3. Cnystal Lake	1501 16		1927	1990	•	У	
3. Crystal Lake		7 161 Lakeshore Dr	1974	•	-	N	1975 - Combined Lots - New house
3. Crystal Lake		3 155 Lakeshore Dr	1954	1983		Z	The second distribution of the second
3. Crystal Lake		9 153 Lakeshore Dr	1956	2013		Z	2013 - New system
3. Crystal Lake	1501 20	0 147 Lakeshore Dr	1969	2014	•	N	The state of the s
3. Crystal Lake		1 145 Lakeshore Dr	1969		water and the state of the stat	Z	THE THE PROPERTY OF THE PROPER
3. Crystal Lake	.,,,,,,,		1956	1995 / 1999		N	
3. Crystal Lake		0 123 Lakeshore Dr	1956	1965	_	Z	**************************************
3. Crystal Lake	1501 32		1976	2009	•	Z	
3. Crystal Lake		3 117 Lakeshore Dr	1987	1991	and the state of t	Z	The state of the s
3. Crystal Lake		4 113 Lakeshore Dr	1961	1967		Z	and the state of t
3. Crystał Lake		5 111 Lakeshore Dr	1958				· · · · · · · · · · · · · · · · · · ·
3. Crystal Lake	ļ	6 105 Lakeshore Dr	1958	-			
3. Crystal Lake		7 103 Lakeshore Dr	1961	·		Z	and the state of t
3. Crystal Lake		8 1 101 Lakeshore Dr	1958	1963		Z	- The second manufacture of the second secon
3. Crystal Lake	1501 39		1960	•		Z	3
3. Crystal Lake	ļ	1 93 Lakeshore Dr	-	1977 / 2005	**************************************	>	WOODELA
3. Crystal Lake	1501 43	3 89 Lakeshore Dr	1973	1982	The state of the s	Z	
3. Crystal Lake	1501 44		1954	1984 / 1992	WWW.	>	To the state of th
3. Crystal Lake		45 83 Lakeshore Dr	1948	1951 / 1957 / 1962	,	\ 	1990 - New pit installed



Comments		1948, 1954 - Changed Owners (maybe septic install)	1989 - New Pits			a.	(OKES-1207)			-		-	2004 - New System	-	2015 - Tenants out, Oakland wants to replace septic	-	•	**	-	,	_	,	_	2008 - Second floor addition					2006 - Aditional floor with bathrooms and bedrooms	ŗ	vereignes, m. marique en	The state of the s	
Cesspool (YM)	Y		>	N	Z	Z	Z		Υ	Z	λ	N	Y	Υ	Υ	λ	Z	N	N	У	N	λ .	N	N	Z	>	, A	Z	>-	z	>-	>-	Z
paired System Fallures					•	Ł	•	Ł	,	•	•	4		_	1995 - Open cesspool, sewage overflow	7	-	ı,											***************************************				
Year Repaired	1986	1982 / 1990 / 2002	1973 / 1989	1981 / 1999	1988	1996	1996 / 1999 / 2001	Ŀ	2012	2009	1964 / 2014	1965 / 1983	2004	1978 / 2005	1995 / 2010	1964 / 2003	1964 / 1975 / 1999	ı	7	1985	2006 / 2014	2000 / 2001	2003	2008	1985	2008		2000	2000 / 2006	1984 / 2010	1999 / 2000	1989	1998
Year Designed	1956	-	1956	1958	1956	1960		1956	1959	1964	1953	1960	1956	1958	1954	1955	1958	1954	1956	1959	1959	1957	1958	1958	1955	1958	1955	1959	1955	1959	1980	1955	1958
Street Address	79 Lakeshore Dr	77 Lakeshore Dr	75 Olakeshore Dr	73 Lakeshore Dr	71 Lakeshore Dr	69 Lakeshore Dr	67 Lakeshore Dr	57 Lakeshore Dr	55 Lakeshore Dr	51 Lakeshore Dr	49 Lakeshore Dr	45 Lakeshore Dr	43 Lakeshore Dr	39 Lakeshore Dr	37 Lakeshore Dr	35 Lakeshore Dr	33 Lakeshore Dr	31 Lakeshore Dr	143 Lakeshore Dr	141 Lakeshore Dr	139 Lakeshore Dr	137 Lakeshore Dr	135 Lakeshore Dr	133 Lakeshore Dr	127 Lakeshore Dr	42 Dacotah Ave	32 Nokomis Ave	34 Nokomis Ave	36 Nokomis Ave	38 Nokomis Ave	40 Nokomis Ave	42 Nokomis Ave	44 Nokomis Ave
Block/Lot	46		48		ļ				22		*****	.,,,,,,,,,		*,****					77						28	1	7	3	1 4	2	9	7	8
B	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1503	1501	1501	4204	4504	4504	4504	4504	4204	450	4504
Neighborhaad	3. Crystal Lake	3. Crystal Lake	3. Crystal Lake	3. Crystal Lake	3. Crystai Lake	3. Crystal Lake	3. Crystal Lake	3. Crystal Lake	3. Crystal Lake	3. Crystal Lake	Crystal Lake	Crystal Lake	3. Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystai Lake	Crystał Lake	Crystal Lake	3. Crystal Lake	3. Crystal Lake	3. Crystal Lake



					Neighborho	Neighborhood 3: Crystal Lake		
Neighborhood	BlockILot	ŏ	Street Address	Year Designed	Year Repaired	System Failures	Cesspool (Y/N)	Comments
3. Crystal Lake	4504	တ	46 Nokomis Ave	1956	2010 / 2011		>	
3. Crystal Lake	4504	10	64 Lakeshore Dr	1958	1	A PARTICIPATION OF THE PARTICI	Z	
3. Crystal Lake	4204	1	66 Lakeshore Dr	1958	1983 / 2003 / 2004		λ	•
3. Crystal Lake	4504	12	25 Rockaway Ave	1957	1971 / 1994 / 2001		λ.	
3. Crystal Lake	4204	13	23 Rockaway Ave	1974	1987		N	
Crystal Lake	4504	14	21 Rockaway Ave	1957	1992 / 1993 / 2001		N	THE PROPERTY OF THE PROPERTY O
Crystal Lake	4204	15	19 Rockaway Ave	1967	1983 / 1995 / 2003		N	disminute very service per
3. Crystal Lake	4204	16	17 Rockaway Ave	1955	1982 / 2013		Υ	
3. Crystal Lake	4204	17	15 Rockaway Ave	1956	2007 / 2015		λ	2007 - Cesspool replaced with septic tank
Crystal Lake	4204	18	13 Rockaway Ave	1956	1986 / 2007		, γ	The state of the s
3. Crystal Lake	4204	19	11 Rockaway Ave	1978	-	odors from septic system	2	•
Crystal Lake	4204	20	9 Rockaway Ave	1976	2010		•	•
3. Crystal Lake	4204	22	5 Rockaway Ave	1977	1983 / 2004		γ	•
3. Crystal Lake	4204	23	23 Sioux Ave	1957	2010		N	The state of the s
3. Crystal Lake	4204	24	19 Sioux Ave	1956	2014		N	•
3. Crystal Lake	4204	52	17 Sioux Ave	1954	1993 / 1994 / 2014		У	1994 - Septic tank installed
3. Crystal Lake	4204	56	15 Sioux Ave	1956	1981 / 2015		N	4
Crystal Lake	4204	27	13 Sioux Ave	1953	1970 / 2005	***************************************	Z	**************************************
Crystal Lake	4204	28	11 Sioux Ave	1956	1967 / 1984		λ	The second secon
Crystal Lake	4204	53	9 Sioux Ave	1955	1987 / 1999		λ .	a control of the cont
3. Crystal Lake	4204	30	7 Sioux Ave	1957	1983 / 1988		λ	•
3. Crystal Lake	4204	31	5 Sioux Ave	1955	-	***************************************		**************************************
Crystał Lake	4 204	32	3 Sioux Ave	1959	1965		N	
Crystal Lake	4204	33	469 Ramapo Valley Rd	1963	2001	mathway.	>	The second secon
3. Crystal Lake	4204	34	461/465 Ramapo Valley Rd	1956	1974 / 1998 / 2014 / 2015		λ	1
3. Crystal Lake	1606	-	92 Roosevelt Blvd	1961	1968	•	У	and the state of t
3. Crystal Lake	1606	2	94 Roosevelt Blvd	1950	1963 / 1974 / 1987 / 2005	•	2	——————————————————————————————————————
3. Crystal Lake	9091	ဇ	96 Roosevelt Blvd	1956		Exposed septic tank	Z	3
3. Crystal Lake	1606	4	98 Roosevelt Blvd	1954		-		
3. Crystal Lake	19091	5	100 Roosevelt Blvd	1962	1		X	and a second and a
3. Crystal Lake	1606	9	102 Roosevelt Blvd	1963	1	The state of the s	z	a constitutive manufathata (Alba Alba Alba Alba Alba Alba Alba Alba
3. Crystal Lake	1606	7	104 Roosevelt Blvd	1963		Pool not emptied and septic odors	2	
Crystal Lake	1606	ထ	106 Roosevelt Blvd	1963	1982 / 2005	*	2	2005 - Pool added to property



	Conments	1989 - One story addition	1997 - Deck added to dwelling				The second secon	•					hant to represent the second s			***************************************									
	Cesspool (Y/N)	λ	Å	N	N		N							***************************************											
iteighiodhiodh 3. Olfstai Eanc	System Fallures	AND THE RESEARCH AND THE STATE OF THE STATE	Septic system running over rear yard	-	Septic disposal field is bleeding out and odorous	•	-	1			WARNING THE PROPERTY OF THE PR						A THE STATE OF THE								
		1974 / 1983 / 1989	1980	1988 / 2009	2008		1				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************					***************************************							
	Year Designed	1959	1960	-	1966	1960	1961	1954																	
	Street Address	108 Roosevelt Blvd	110 Roosevelt Blvd	112 Roosevelt Blvd	114 Roosevelt Blvd	116 Roosevelt Blvd	118 Roosevelt Blvd	62 Truman Blvd																	
	10	6	10	11	12	13	14	15																	
	Block[Lof	1606	1606	1606	1606	1606	1606	1606	••••											******	 *****		.,		
	Neighborhood	3. Crystal Lake	3. Crystal Lake	3. Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake	Crystal Lake													 				



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 4: Dogwood

					ogubian	Neigiiboriidaa 4. Dagwada		
Neighborhood	Block/Lat	101	Street Address	Year Designed	Year Repaired	System Failures	Cesspool (Y/N)	Comments.
4. Dogwood	3804	43	61 Walfon Ave	1961	2015		Y	
4. Dogwood	3801	44	59 McNomee St	1960	1989 / 1998		2	
4. Dogwood	3801	45	57 McNomee St	1957	1987	*	~	***************************************
4. Dogwood	3801	46	55 McNomee St	1963	2007	,	N	<u>.</u>
4. Dogwood	3801	47	53 McNomee St	1959	2003	Leakage caused polluted water	N	-
4. Dogwood	3801	48	51 McNomee St	1958	2007	**	N	
4. Dogwood	3801	49	49 McNomee St	1958	4	•	N	
4. Dogwood	3801	20	47 McNomee St	1957	2011	•	N	-
4. Dogwood	3801	51	43 McNomee St	1958	2006	-	N	THE CONTRACTOR OF THE CONTRACT
4. Dogwood	3801	53	42 McNomee St	1954	1998	-	λ	-
4. Dogwood	3801	54	44 McNomee St	1960	,	-	N	***
4. Dogwood	3801	55	48 McNomee St	1960	2012	•	N	-
4. Dogwood	3801	29	50 McNomee St	1982	1984 / 1989 / 1995 / 2003	Heavy drainage and mud from front yard	N	Also repaired in: 2005
4. Dogwood	3801	24	52 McNomee St	1958		Very bad septic odor		•
4. Dogwood	3801	88	53 McNomee St	1961	2015	,	λ	
4. Dogwood	3801	23	51 Walton Ave	1960	1979 / 2005	,	Z	2005 - New deck installed
4. Dogwood	3801	99	49 Walton Ave	1959	•	Cesspool overflow	No.	a.
4. Dogwood	3801	61	47 Walton Ave	1968	1993	Seepage tanks and seepage covers exposed	N	-
4. Dogwood	3801	63	43 Walton Ave	1958	1965 / 1978 / 2004	Neighbors complianed of spectic odors	Z	•
4. Dogwood	3801	64	41 Walton Ave	1963	1995		Z	2005 - Added a pool
4. Dogwood	3801	65	39 Walton Ave	1960	1989	Septic tank overflow	N	
4. Dogwood	3801	99	37 Walton Ave	1967	1997 / 1998	•	Z	1998 - New septic system, 2004 - House addition
4. Dogwood	3804	က	20 Bannehr St	1959	-			_
4. Dogwood	3804	4	22 Bannehr St	1957	1995	_	2	1995 - New kitchen and deck
4. Dogwood	3804	5	24 Bannehr St	1957	_	•		
4. Dogwood	3804	9	26 Bannehr St	1957	•	Laundry soap in storm drain		
4. Dogwood	3804	7	28 Bannehr St	1956	1975 / 1996 / 2015	Septic system overflowing on ground	λ .	1975 - Septic tanks put in
4. Dogwood	3804	ထ	30 Bannehr St	1959	1986 / 1998	Drainage and runoff from mound on 83 McNomee	N	1987 - Addition put onto existing house
4. Dogwood	3804	6	32 Bannehr St	1957	-	**************************************	>	The second contract of the second contract of the second s
4. Dogwood	3804	10	34 Bannehr St	1963	1998 / 2005		>-	The state of the s
4. Dogwood	3804	-	36 Bannehr St	1957	1972	,	Z	**************************************
4. Dogwood	3804	12	38 Bannehr St	1968	2009	The state of the s	Z	The state of the s
4. Dogwood	3804	13	40 Bannehr St	1958	1965 / 1982 / 1986		>-	1965 - Septic tank installed



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 4: Dogwood

_																													,					
	Comments	,	~	And the contract of the contra		adoubtle	1986 - Detached garage construction	2012 - Decking added			The state of the s		2012 - New System		manament and the second and the seco			WANTED TO THE PARTY OF THE PART	**************************************					1997 - Deck added to dwelling		The state of the s	*		T. T	1964 - Cesspool was replaced with septic tank			-	The state of the s
	Cesspool (Y/N)	Z	N	N	Z		Υ	Y	N		Y	N	N	N	λ	N	Z	Υ	Z	N		У	N	iii.	γ	γ	is in Assessment	t	,	>-		Z	Z	Z
Neignoornood 4: Dogwood	System Failures	-	Septic tank overflow, ground always wet		Stream next to property polluted with septic	,	Terrible septic odor	"	Placed perforated drain pip across septic field	***************************************	_								***************************************				•		*	Sewage leakage onto ground causing health hazard		•	,		The second control of		**************************************	Water in the cellar
Neignooi	Year Repaired	2001 / 2003	1992 / 2007	1980	2003	-	1991	1974 / 2001	1998	4	1976 / 2006	1975 / 2004	2012	1973 / 1979 / 1996	1990	1982	1968	1988 / 2004 / 2005	1999	2003	3	1976 / 2015	1976 / 1987	4	1968	1982	1965	1977	1977 / 2008	1964 / 2010 / 2013	1990		avenuel in Avendului Avend	,
	Year Designed	1968	1969	1956	1965	1958	1958	1952	1959	1959	1959	1959	1961	1963	1959	1959	1960	1960	1961	1929	1959	1959	1961	1963	1952	1952	-	r	1951	1953	1948	1968	1976	1966
	Street Address	42 Bannehr St	44 Bannehr St	246 Ramapo Valley Rd	8 Dogwood Dr	16 Dogwood Dr	24 Dogwood Dr	238 Ramapo Valley Rd	44 Dogwood Dr	32 Dogwood Dr	38 Dogwood Dr	50 Dogwood Dr	124 Mandigo Ave	125 Mandigo Ave	58 Dogwood Dr	64 Dogwood Dr	70 Dogwood Dr	46 Hickory Dr	52 Hickory Dr	58 Hickory Dr	62 Hickory Dr	68 Hickory Dr	74 Hickory Dr	198 Ramapo Valley Rd	194 Ramapo Valley Rd	8 & 10 Grove St	14 Grove St	18 Grove St	22 Grove St	26 Grove St	30 Grove St	34 Grove St	40 Grove St	42 Grove St
	tello	14	15	-	2	က	4	5	9	7	œ	6	10	11	12	13	14	15	16	17	18	19	20	-	2	en	4	.c.	9	7	ထ	6	10	12
	BlockILot	3804	3804	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3501	3401	3401	3401	3401	3401	3401	3401	3401	3401	3401	3401
	Neighborhood	4, Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 4: Dogwood

Settimental	1		•	_	-		-	•	-	-	-	•	-		Ē		***************************************								***************************************
	***************************************											•													
Cassingial (V/M)	-	z	Z	N	Z	Z	γ.	λ	Υ		ŧ	N	Z								***************************************				
System Pallities in Spirite of	t	New septic system overflows when doing laundry	F	-	•	7	_	_		_	-	Septic running down driveway										Westernamental Accountry and the control of the con			
snairen		New sep																							
Vest Rehalten	1987 / 1999	1999 / 2014 / 2015	ı	2008	1984 / 2014	1976 / 1999 / 2015	2004	2008	1992		4	1987 / 1998 / 2012	1970 / 1975 / 2002 / 2013												
Year Designed	1968	1977	1955	1955	1955	1955	1956	1964	1964	1954	1986 / 1989	1961	1953	***************************************											
Street Address	44 Grove St	48 Grove St	52 Grove St	56 Grove St	60 Grove St	64 Grove St	70 Grove St	74 Grove St	80 Grove St	84 Grove St	86 Grove St	88 Grove St	90 Grove St												
slowith at	13	14	15	16	- 17	- 18	20	21	22	23	24	52	56					 			-,,,,,		 		
n n	3401	3401	3401	3401	3401	3401	3401	3401	3401	3401	3401	3401	3401												
Nembersher	 Dogwood 	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	4. Dogwood	Dogwood	4. Dogwood	4. Dogwood												



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 5: Downtown

Neighborhaod Block/Lat 5 Downfown 1706	e c	413 Ramano Valley Rd	2008				Columbia Bank
 	2.01	411 Ramapo Valley Rd	2008	2015		A	Starbucks
1706	က	409 Ramapo Valley Rd	1961	2008	***************************************	N	Walgreens
2303.01 3	3/4	OLD Block and Lot	1960	1969 / 1998	THE	>	Current 1706 7-8 (Lots behind Walgreens)
2303.01 5	5.02	OLD Block and Lot	1960 - 1964	1981 / 1984	Old shopping plaza next to Tony's Brothers		Current Walgreens & Parking
1706	4		2008		Old shopping plaza next to Tony's Brothers	N	Current Walgreens Parking
1706	9	20 West Oakland Ave	1958	1966 / 1989 / 1999	1999 - Pit overflow		Tony's Brothers (Lukas)
1802	2	15 Terhune St	1948	1978 / 1997			
1802	3	11 Terhune St	1962	1985	······································		e e e e e e e e e e e e e e e e e e e
1802	4	373 Ramapo Valley Rd	1966	ŧ		Z	***************************************
1802	2	357 Ramapo Valley Rd	1961	1989			
1802	9	6-14 Elm St	1953	1966 / 1977 / 2011	***************************************	Mathematical Comments	
1802	7	20 Elm St	1966	1971 / 1982 / 1985 / 1991			
4004	4/5	127 McCoy Rd	1950	1968 / 1978 / 1989 / 1997			Horse Farm
4004	2	18 Raritan Rd	1976	2008		Z	84 Lumber
4004	3	21 Raritan Rd	1987	1997		N	
4004	9	17 Raritan Rd	1984	1985		N	
4004	7	13 Raritan Rd	1978	1984		Z	error recommended (MAR) And of the first
4403	-	11 Wellesley Dr	1951	1972 / 1989		X	1972 - Removed Cesspool
4403	2	9 Wellesely Dr	1951	1962 / 1972 / 2001			The state of the s
4403	е П	7 Wellesely Dr	1951	1964 / 1988			
4403	4	5 Wellesely Dr	1951	1963 / 1998		X	
4403	rc.	3 Wellesely Dr	1981	1989		Z	
4403	9	14 Mt. Holyoke Dr	1983	4		Z	
4403	7	16 Barnard Dr	4	2002		N	MATERIAL STATE OF THE STATE OF
4403	8	20 Barnard Dr	1951	1972 / 1985		A COLUMN TO THE PARTY OF THE PA	water the state of
4403	6	22 Barnard Dr	1951	1969 / 1979 / 1988 / 2002			
4403	10	24 Barnard Dr	1951	1965 / 1989			
4403	1	9 Vassar Pl	1951	1960 / 1999			
4403	12	7 Vassar Pl	1954	1973 / 1999		>	
4404	-	6 & 12 Franklin Ave	1964	1977 / 1986			
4404	2	20 Franklin Ave	1972	-	MINISTER	Z	The second state of the se
1708		391 Ramapo Valley Rd	1965	1973 / 1984	The state of the s	>	a marrier word of the formula high defenda



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 5: Downtown

															}												-
Comments	1963 - Removed Cesspool	1976 - Removed Cesspool		- The state of the		Territory and the state of the		AWAS						www.wishinkininkinkinkinkinkinkinkinkinkinkinkin						**************************************	HANDON	***************************************	The state of the s		**************************************	and the second s	
Cesspool (YM)					Z	Z						The state of the s							ACTION AND AND AND AND AND AND AND AND AND AN								
Fallures				1969 - Septic overflow	THE PROPERTY OF THE PROPERTY O			121																110000000000000000000000000000000000000	A A A A A A A A A A A A A A A A A A A		
Year Repaired System	1957 / 1963 / 2013	1959 / 1968 / 1976	1974 / 2007	1969 / 2015	1975 / 1991		2001	1974 / 1998	1980 / 1989			**************************************	***************************************				A ANALYSIS AND ANA										
Year Designed	1949	1948	1954	1957	1964	1985	1963	1956	1962											***************************************							
Street Address	383 Ramapo Valley Rd	379 Ramapo Valley Rd	12 Terhune St	326 Ramapo Valley Rd	330 Ramapo Valley Rd	11 East Oak St	469 Ramapo Valley Rd	461-465 Ramapo Valley Rd	4 Court House PI																		
ollot	3	4	5	85	98	87	33	34	Г												,,,,,,						
BlockLat	1708	1708	1708	3903	3903	3903	4204	4504	4204																		
Neighborhood	5. Downtown	5. Downtown	5. Downtown	5. Downtown	5. Downtown	5. Downtown	5. Downtown	5. Downtown	5. Downtown																***************************************		



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 6: Heights

Neighborheod	Blockf. of	ll of	Street Address	Year Designed	Meigino Year Repaired	Neighbollhood O. Treights red System Failures	Gesspool (YM)	Comments
6. Heights	5204	-	4 Oneida Ave	1954	1960 / 1991 / 2007 / 2008	Septic water surfacing onto ground	X	1991 - Cesspool replaced with septic tank
6. Heights	5204	2	6 Oneida Ave	1957	1970 / 2010 / 2011	3	N	_
6. Heights	5204	က	8 Oneida Ave	1957	1980	-	γ	2012 - Room renovations
6. Heights	5204	4	10 Oneida Ave	1958	1964 / 2012		N	
6. Heights	5204	5	12 Oneida Ave	1956	1972 / 1987	Address and the second and the secon	N	· · · · · · · · · · · · · · · · · · ·
6. Heights	5204	9	14 Oneida Ave	1958	1988	Overflowing sewage disposal system	Y	
6. Heights	5204	7	16 Oneida Ave	1959	1987 / 2006	Odors in catch basin in front of dwelling	Υ	
6. Heights	5204	8	18 Oneida Ave	1958	٠	***		_
6. Heights	5204	6	20 Oneida Ave	1953	1976		γ .	The state of the s
6. Heights	5204	10	22 Oneida Ave	1957	1970	ı	N	
6. Heights	5204	+	24 Oneida Ave		1984	WATERSTEIN	Z	-
6. Heights	5204	12	28 Oneida Ave	1961	2014		λ	
6. Heights	5204	13	32 Oneida Ave	1959	2009	ž.	λ	
6. Heights	5204	14	17 Iroquois Ave	1958	•	•	, and the second second	_
6. Heights	5204	15	13 Iroquois Ave	1956	1987		λ.	•
6. Heights	5204	16	11 Iroquois Ave	1964	,	•	N	-
6. Heights	5204	17	7 Iroquois Ave	1958	2011 / 2015		N	ta ta
6. Heights	5204	18	5 Iroquois Ave	1958	2000 / 2005 / 2006	Overflowing septic system	2	2005 - Additional second level 3 bedrooms & 2 baths
6. Heights	5204	19	165 Hlawatha Blvd	1971	2004		N	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
6. Heights	5204	20	163 Hiawatha Blvd	1959	ı		Z	
6. Heights	5204	21	159 Hiawatha Blvd	1957	,		N	-
6. Heights	5204	22	157 Hiawatha Blvd	1961		-		***
6. Heights	5204	47	137 Hiawatha Blvd	1958	ř	_	Ν	-
6. Heights	5204	48	135 Hiawatha Blvd	1963	2009	***************************************	Υ	The state of the s
6. Heights	5204	49	23 Seneca Ave	1958	ı			_
6. Heights	5204	20	21 Seneca Ave	1956	1970 / 1991	_	Ϋ́	
6. Heights	4803	-	46 Calumet Ave	1957	2004 / 2006 / 2008		Z	2006 - New kitchen / 2008 - Pool installed
6. Heights	4803	2	48 Calumet Ave	1963	1989 / 2003	-	N	**************************************
6. Heights	4803	3	52 Calumet Ave	1955	1974 / 1983 / 2004 / 2005	WARRIAND	>	T T
6. Heights	4803	5	58 Calumet Ave	1963	1995	The second of th	Z	**************************************
6. Heights	4803	9	60 Calumet Ave	-	1985 / 1987	Someone dumped junk on property, it stinks	Z	hamatilitaneeld/Alacester
6. Heights	4803	7	66 Calumet Ave	1956	1987	WHENTY	Z	T T
6. Heights	4803	8	68 Calumet Ave	1958	,	ı		2010 - Bathroom addition and remodel



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 6: Heights



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 7: Indian Hills

					_		1			\neg	_	1	1		-		1			1							_	Ţ		**********	1		-	
	Comments		The state of the s	Wetters		an ann ann an deilleagh Mark	annum Monte Port Par	1992 - Septic tank installed		- Charlest Assessment Control of the	as a second designative of the second	3	ar ar a committed of 4444 and \$c		TO THE REST OF THE PARTY OF THE	is the second of	**************************************	L AND	The state of the s	amman distributed to	***************************************	Holding tank	To the state of th	THE THE PROPERTY OF THE PROPER	and Additional Additio	- manufaction of the control of the	A STATE OF THE STA		i.		E E E E E E E E E E E E E E E E E E E		-	•
	Casspool (Y/N)	, k	λ	λ	λ	λ	>	*	>	>	N	Z	Z	N	Z	Z	>	>	,	Υ	٨	Z	z	Z	Z	111 121 321 321	Z	z	Z	Z		2	2	Z
nood /: Indian Hills	System Fallures	ANNO PORTO POR PARTICIO POR LA PARTICIPA DE LA PARTICIPA DEL PARTICIPA DE LA PARTICIPA DEL PARTICIPA DE LA PARTICIPA DEL PARTICIPA DE LA PARTICIPA DE LA PARTICIPA DEL PARTI	Overflowing septic system			4	Septic water discharging from pipe in rear yard	_	-	— — — — — — — — — — — — — — — — — — —		_	_	•	_		_							***************************************			•	is din Antalese v		ANAPAR TERRETARIA DE LA CONTRACTORIO DE LA CONTRACT	arrandondar/MANAMANA	Water runs onto the street	- Washington department of the control of the contr	•
Neighborhood /	Year Repaired	1981 / 1989 / 2014	1970 / 1971	1965	1967 / 1989	1989	1963 / 1992	1961 / 1992	1995	2000 / 2001	1983	1986	2015	1970 / 1997 / 1999	1971	1968	1983	1964 / 1992	1994	1991	2012	1970	1977 / 1981	**	1983 / 1986	E.	1984 / 1999	•	2001	1986 / 1996 / 2006	***************************************	1995 / 2008		1962 / 1986 / 2005
	Year Designed	1959	1960	1960	1959	1960	1959	1959	1959	1959	1955	1956	1956	1956	1955	1955	1959	1959	1929	1959	1959	1969	1965	1965	ı	1950	1965	1958	1957	•	1958	1959	1961	1958
	Street Address	63 Hopper St	57 Hopper St	51 Hopper St	45 Hopper St	41 Hopper St	33 Hopper St	27 Hopper St	21 Hopper St	15 Hopper St	11 Hopper St	7 Hopper St	3 Hopper St	6 Hopper St	10 Spear St	14 Spear St	20 Spear St	26 Spear St	32 Spear St	38 Spear St	44 Spear St	15 Yawpo Ave	19 Yawpo Ave	25 Yawpo Ave	43 Yawpo Ave	41 Yawpo Ave	47 Yawpo Ave	51 Yawpo Ave	53 Yawpo Ave	55 Yawpo Ave	61 Yawpo Ave	63 Yawpo Ave	65 Yawpo Ave	69 Yawoo Ave
	Blocktot	-	2 2	3	4	5	9 7	7 2	8	6 3	2 10	2 11	2 12	2 13	2 14	••••••	2 16		2 18		2 20	2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	6 2		2 12		14
	В	3702	370;	3702	3702	3702	3702	3702	3702	3702	3702	3702	370	370	3702	3702	370	3702	3702	3702	3702	390	3902	390	3902	390	3902	390	3902	3902	390	3902	390	390
	Neighborhood	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 7: Indian Hills

Blockful Steel Address		Year Designed	Year Rei	alica System Fallures	Gesspool (VIN)	Comments
71 Yawpo Ave 1962 1976 1		1976 / 1978 / 1	982 / 2001	annumber 1999	*	
16 73 Yawpo Ave 1958		1988/	1997	_	λ	
77 Yawpo Ave		1989 / 200	8 / 2012	Remediator installed without permit or license	>	2013 - Unidentified septic tank found
3902 18 79 Yawpo Ave 1959 1975		197	.2	_	N	1976 - Replaced kitchen sink and dishwasher
1959		1975 / 19	1975 / 1991 / 2004	•	>	1975 - Septic tank replaces cesspool
85 Yawpo Ave 1959		1978	1975 / 1999	_	N	**************************************
1 91 Spear St 1956		200	2005 / 2006	7	>	errennum underHilleMAAAA
2 95 Spear St 1956		196	1960 / 1977	•	>-	
3 87 Spear St 1961		197	1971 / 2015		, γ	**************************************
4 77 Spear St	1959			•		
		19.	1971 / 2007	as a control of the c	\	AnnishMover and the second sec
6 63 Spear St 1959		/9/61	1976 / 1987 / 1993	***************************************	>-	AAAAA
		200	2008 / 2012	The second control of	>	208 - Inground pool installed
1959			1980	WWW.	Z	
10 45 Spear St 1959		1	1975 / 1988	a a second control of the second control of	>	
	1959		-			W W
33 Spear St	1959					-
1960			2013	The state of the s	>	and the second s
21 Spear St 1959		1968	1968 / 1985 / 2005	=	\	1968 - Septic tank replaces cesspool
15 15 Spear St 1956			1970		Υ	1970 - Septic tank replaces cesspool
16 11 Spear St 1956	,	1	1980 / 1988	т	Z	
7 Spear St	1956			•	Z	THE CONTRACT
18 3 Spear St 1956		1969	1969 / 1983 / 1998	1983 - Sewerage Leak	Z	
19 23 Sheffield St 1956		16	1982 / 2006	The second secon	2	2006 - Addition to home
20 19 Sheffield St 1956		1964	1964 / 1976 / 1992		N	
21 15 Sheffield St 1956		16	1969 / 2014	***	N	a and a second and
22 11 Sheffleld St	1956		1997		Z	
119 Yawpo Ave	1957		,		Z	2012 - Cracks in tank found, suggested to repair
117 Yawpo Ave	1959		1973	***************************************	Z	- contributed Wilders Williams
	1969		1981 / 1996	1996 - System Malfuncion	Z	1
15 113 Yawpo Ave 1957			1964 / 1999	- Transfer and American Americ	Т	*****
111 Yawpo Ave	1949		2013	**************************************	X	2013 - 1000gal UTS removed from backyard
109 Yawan Ave	1967		2012	•	>-	•



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 7: Indian Hills

			_	_	1	_	1	1	1	Т				-		1	-		·T	Т		1		-	1		T	7		1	1	_
Comments	1	enthalethypeser	1998 - New System		= ====================================	and the state of t	annumbrash drught 4	amount (A) A A			***************************************	***			The second of th		The second state of the se	**************************************			The state of the s				The state of the s	· · · · · · · · · · · · · · · · · · ·	The state of the s		AMARIA TOTAL	- HANNA - HANN	The state of the s	
Gesspool (Y/M)	X	>-	>-	Z	z																											
System Failures			- The state of the		1988/1999 - Septic odors, no overflow	arrane mindely (WAT)	a a service a constitutiva de la								11111111111							A CONTRACTOR OF THE CONTRACTOR	SOUND TO THE PROPERTY OF THE P						THE REPORT OF THE PARTY OF THE	mineriodalistote in the second se	THE THE PROPERTY OF THE PROPER	
Year Repaired	1998	1991	1962 / 1998	1998 / 2002 / 2006	1977	and the second s						The state of the s																				
Year Designed	1958	1956	1957	1957	1969						The state of the s																					
Street Address	107 Yawpo Ave	105 Yawpo Ave	103 Yawpo Ave	101 Yawpo Ave	99 Yawpo Ave																											
10	18	19	8	21	22																											
Block/Lot	4101	4101	4101	4101	4101								 												ļ		100017					
Neighborhood	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills	7. Indian Hills															4												



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 8: Industrial Park

	Comments	PONTA PARA LA PARA PARA PARA PARA PARA PARA	i.	# ************************************		Also repaired in: 2005	The state of the s	F	•		errorrord/distriction (The state of the s	Also repaired in; 2005	Also repaired in: 2014	a.	450-7		_	2008 - Septic tank installed	The state of the s		The state of the s	1	2008 - Kitchen addition	7	- Indicated with the second se		1		n de	e militarisma de Address Address de la companya de	- The second of	and the state of t	1
	Cesspool (Y/N)	N	N	N	N	γ	Z	N	N	N	N	N	У	N	N	Z	N		٨	У	γ	λ	λ	À	>	>-	Å		λ	2	2	>	7	>
Neignbornood 6. Industrial Park	System Fallures	ANTANANAN MENGERIAN MENANDAN MENANDAN MENGERANAN MENANTI MENANDAN MENANDAN MENANDAN MENANDAN MENANDAN MENANDAN			Odor coming from floor drains in restrooms		***	-	-	_	_	in.		Sewage odors in basement			_		_	Terrible septic odor	_	_	Overflowing sewage causing health hazard			-	Septic malfunction, ponding over seepage pit	-	Sewage leakage in front lawn is a health hazard		***************************************		- The state of the	•
Meignbornd	Year Repaired	1986 / 2002 / 2003	1979 / 2013	1998 / 2007 / 2013	1999 / 2000	1976 / 1977 / 1978 / 1996	1975 / 1991	1990 / 1991	1987	1985 / 1987	2003	1984 / 1986	1990 / 2000 / 2003 / 2004	1973 / 1979 / 2000 / 2001	2000 / 2001	1976 / 1977 / 1995 / 1998	1977 / 2008		1987 / 2006 / 2008	1976 / 1986 / 2012	1987	1976	1973 / 1978	1996 / 2008	1982 / 1997	1977	1988		1989 / 1996		1	1966 / 1997	•	1978 / 1989 / 2000
	Your Designed	1975	1979	1979	1976	1970	1966	1969	,	-	1972	ŀ	1974	1966	,	-	,	1957	1957	1957	1957	1957	1956	1956	1956	1957	1957	1961	1962	1968	1968	1958	1959	1963
	Street Address	7 Wright Way	16 Thornton Rd	12 Thornton Rd	8 Thornton Rd	103 Bauer Drive	99 Bauer Drive	95 Bauer Drive	215 Long Hill Rd	199 Long Hill Rd	193 Long Hill Rd	187 Long Hill Rd	181 Long Hill Rd	100 Bauer Drive	104 Bauer Drive	112 Bauer Drive	118 Bauer Drive	169 Page Dr	167 Page Dr	165 Page Dr	163 Page Dr	161 Page Dr	159 Page Dr	159 Page Dr	155 Page Dr	153 Page Dr	151 Page Dr	149 Page Dr	147 Page Dr	145 Page Dr	143 Page Dr	137 Page Dr	10 Fox Ct	12 Fox Ct
	Blockilot	-	1 2	1 3	4	1 5	1 6	1 7	1 9	1 12	1 13	1 14	1 15	4 2	3	4 4	4 5		1 2	3	4	5	1 6	7	8	9	10	÷	12	13	14	15	16	
	Œ	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201			3204	3204	3601	3601	3601	3601		3601	3601	3601	3601		3601	3601	3601	3601		3601	<u> </u>
	Neighborhood	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 8: Industrial Park

			7						_]				-]					J	J				_	T	
Comments	4	1973 - Septic tank installed	THE PROPERTY AND ADDRESS OF THE PROPERTY OF TH	HEAVE.	1971 - Septic tank installed	1971 - Septic tank installed	1974 - Septic tank installed	1968 - Septic tank installed		and the state of t		4	The second secon	and the state of t	# # # # # # # # # # # # # # # # # # #	rimal-friedrich (MARCHA)	- The state of the				· CONTRACTOR AND	·	t t	=			WHAT WAS A STATE OF THE STATE O	***************************************	The second of th	***************************************		
Cesspool (Y/N)	X	\	Z	N	\	À	λ.	λ	λ	λ .	N	Z	Ϋ́	Z	У	N	Z	Z	z	Z	X	Z	2	Z	2							
System Fallures		r	•		•			-		-	-	•	_	-		***	2 open wells on vacant property	_		•		***		The state of the s	_	minimized 1999 1994 1999				44444	THE	
Year Repaired	2004	1973 / 1991 / 2015	ŧ	2010	1971 / 2002 / 2003	1971 / 2000	1963 / 1974 / 1987 / 2003	1968	1973 / 1987	1982 / 2003	1992 / 2011 / 2012	1994 / 2015	1974 / 1995	1976 / 1986 / 2002	1989	1989 / 2004 / 2005	2001 / 2002 / 2003	1986 / 1998 / 2001 / 2006	2009	1983	_	1981	•	2006	1991							
Year Designed	1960	1962	1960	1960	1958	1958	1957	1958	1958	1958	,	1970	1949	1975	1955	r		1978	1958	1960	1957	1958	1954	1973	1973							
Street Address	15 Fox Ct	11 Fox Ct	129 Page Dr	125 Page Dr	120 Dogwood Dr	126 Dogwood Dr	132 Dogwood Dr	138 Dogwood Dr	144 Dogwood Dr	150 Dogwood Dr	206 Long Hill Rd	210 Long Hill Rd	8 Breakneck Rd	20 Breakneck Rd	44 Breakneck Rd	48 Breakneck Rd	8 Breakneck Rd	100 Breakneck Rd	122 Breakneck Rd	126 Breakneck Rd	134 Breakneck Rd	140 Breakneck Rd	146 Breakneck Rd	150 Breakneck Rd	162 Breakneck Rd			***************************************		1		
(Lot	18	61	8	24	22	23	24	25	56	27	2	3	4	5	9	1 /	80	6	11	12	13	14	15	16	17							
Blockflot	3601	3601	3601	3601	3601	3601	3601	3601	3601	3601	3101	3101	3101	3101	3101	3101	3101	3101	3101	3101	3101	3101	3101	3101	3101							
Neighborhood	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park	8. Industrial Park							



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 9: Longhill

	Comments				2006 - Finished basement with additional bedroom	-	2006 - Sunroom addition	2005 - Finished basement added	The state of the s	a manufactivity	A Market	- chind distributed the control of t	a and the state of	T. C.	a with Andrewski and the		undata(Alainte)	and the state of t	an annual debated and an annual and an annual	a and the state of	w .	an anni de	is a second seco	The second distance of	=======================================	=	-	=	n	E	arms and a state of the state o	and the second of the second o	avanhine WYWW	THE PROPERTY OF THE PROPERTY O
	Cesspool (YA)	X	z	N	Z	N	N	Z	~	Z	Z	≻	z	N	Z	Z	Z	2	2	>	Z	z	Z	Z	Z	Z	Z	Z	z	>	Z	z	Z	>
Neighbolllood V. Eoligiiii	System Failures		THE		-		-	1		1	**	_	4		Septic is running onto surface of ground		Septic overflow	4		_		to the state of th	Bed area not graded and seeded, bad odor from septic	Odors in catch basin, wet basement, dry wells	_	_		The state of the s	e mundo missetti VAVA	The state of the s	TO THE PARTY OF TH	**************************************	a comment of him More AMANA	
Salikisti	Year Repaired	1971 / 1988	2006	1968	2006 / 2007	2012 / 2013	1999 / 2004	2006	2004 / 2005	2004	2014	2004 / 2010 / 2011	1993	5003	1975 / 2011 / 2012	1971 / 1996 / 2015	-	2008	2003	1985	•	1993	1974 / 1993 / 2012	1985 / 2009	1984 / 1985 / 2006 / 2013	1979	1989	1988 / 1989	1976 / 1978 / 1988 / 2006	1969 / 2006	1979 / 2004	2002 / 2003 / 2006	1982 / 1996	1975 / 2004 / 2005
	Year Designed	1954	1960	1961	-	,	1963	,	,	1980	1968	1974	1957	1963	1963	1964	1969	1965		1955	1967	1968	1968	1969	1969	1968	1968	,	-	,	-	1967	1965	1956
	Street Address	55 Long Hill Rd	59 Long Hill Rd	51 Long Hill Rd	10 Ponds Way	13 Ponds Way	31 Long Hill Rd	9 Ponds Way	5 Ponds Way	15 Long Hill Rd	50 Long Hill Rd	62 Long Hill Rd	70 Long Hill Rd	74 Long Hill Rd	78 Long Hill Rd	86 Long Hill Rd	94 Long Hill Rd	100 Long Hill Rd	104 Long Hill Rd	20 Martha Pl	30 Martha Pl	4 Stone Fence Rd	10 Stone Fence Rd	16 Stone Fence Rd	22 Stone Fence Rd	28 Stone Fence Rd	36 Stone Fence Rd	38 Stone Fence Rd	40 Stone Fence Rd	91 Martha Pl	89A Martha Pl	89 Martha Pl	83 Martha Pl	79 Martha Pl
	Blocklat	44	45	46	47	48	49	20	51	23	—	2	e	4	2	9		6	10	£	12	13	14	15	91	-41	œ	13	70	40	41	42	44	45
		3401	3401	3401	3401	3401	3401	3401	3401	3401	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801	2801
	Neighborhood	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9, Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Lonahill



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 9: Longhill

	Comments	A SAN AND AND AND AND AND AND AND AND AND A	and the second s	1 (1)	The second secon		t.	2010 - Hot tub installed	underdetekking.	W W	T T T T T T T T T T T T T T T T T T T		E E	T T T T T T T T T T T T T T T T T T T	is the state of th	t t	The state of the s	a.	a constitution					**************************************	The state of the s		 a a constitutiva	and the state of t	The state of the s	v displays	district HVV
	Cesspool (YM)	_	Z	Z	Z	N	N	~	Z	Z	Z	Z	Z	Z	Z	Z	Z	Υ	N											****	
Neignbornood 9: Longhill	System Fallures	Septic overflowing into street	The state of the s	The state of the s	The second secon		a a control of the Annal (Annal Annal Annal Annal Annal Annal Annal Anna Anna	The second secon	Septic overflow on front yard	To the state of th	***************************************	, and the second		the state of the s			_		_		The second secon	The state of the s	The second state of the se			4.000			The state of the s	- The state of the	
Neigribori	Year Repaired	1996 / 2006	1985 / 2003	1985 / 2000 / 2007	2005	1984 / 1985 / 1990	1983 / 1984 / 2002	1983 / 1993 / 2010	1996	,	1984 / 1985	1975	1986 / 2014	1990	1974 / 1987	1972 / 1986 / 2014	1984	1972	1999						The state of the s					NAME OF THE PARTY	
	Year Designed	_	-	ŧ	-	,	-		•	1983	•	1966	1965	-	1965	1	1953	7	-												
	Street Address	67 Long Hill Rd	23 Thornton Rd	19 Thornton Rd	Rear Thornton Rd	12 Wright Way	8 Wright Way	169 Long Hill Rd	163 Long Hill Rd	151 Long Hill Rd	149 Long Hill Rd	147 Long Hill Rd	141 Long Hill Rd	137 Long Hill Rd	133 Long Hill Rd	129 Long Hill Rd	123 Long Hill Rd	115 Long Hill Rd	111 Long Hill Rd												
	Block/Lot	3301 1	3301 3		3301 5	3301 7	3301 8	3301 9	3301 10	3301 12	3301 13	.,,				3301 20		3301 22													
	Neighborhood	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9. Longhill	9, Longhill												



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 10: Manito

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	YN) Conments			-	***************************************	minimizer/every/every-			T T T T T T T T T T T T T T T T T T T			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	ş	7		•	4	-	**					a contract of the contract of	1			2015 - New System	- Commission of the Commission	- Control of the Cont	and the contract of the contra	- CONTRACTOR OF THE CONTRACTOR	
	Cesspool (YIN)	\ \	¥	Y	N	γ	Y	Υ	Υ		٨	λ	Y	>-	Z		Υ	Ϋ́	Z	Z	Z	Z	Z	Z	٨	Υ.	Υ	Υ.	Z	N	>-	z	>	2
Neighborhoog for Manilo	System Failures		±	1979 - System overflow	1985 - System overflow	•	•	•	_			1973 - System overflow	1980 - Cesspool in front yard collapsed	1967 - System overflow	1976 - System Malfunciton	-	1987 - Septic installed within 10ft from propertly line	ř	•	_	•	*	•	į.	1955 - Cesspool overflow		7	•	T	1	ANY CONTRACTOR OF CONTRACTOR O	The state of the s	**************************************	•
Meigrid	Year Repaired	1983 / 1989 / 1998	1984 / 2013	1979 / 1983 / 1992	1985	1969 / 1994	1963 / 1986 / 1988	1989 / 1993	1970 / 1986		1874	1986	000Z / 0861	1968 / 1974 / 1990 / 1997	1991 / 2004	1	1978 / 1987	1984	ſ	1983 / 2012	2004	1987	1985 / 2003	1991 / 2014	1955 / 1967 / 1994 / 2013	1961 / 1971 / 2004	1972 / 1996 / 1999	1970 / 1984 / 1998 / 2003	2015	1974 / 1988	1968 / 1970 / 2011	-	2003	1980 / 1998
	Year Designed	1957	1957	1958	1963	1958	1958	1958	1960	1960	1959	1961	1961	1959	1961	1963	1963	1964	1963	1965	1964	1963	1963	1963	1953	1951	1956	1955	1955	1958	1955	1955	1961	1962
	Street Address	38 Monhegan Ave	42 Monhegan Ave	44 Monhegan Ave	46 Monhegan Ave	48 Monhegan Ave	50 Monhegan Ave	52 Monhegan Ave	92 Manito Ave	96 Manito Ave	102 Manito Ave	108 Manito Ave	112 Manito Ave	118 Manito Ave	124 Manito Ave	14 Cayuga Ave	13 Massasoit Trail	9 Massasoit Trail	5 Massasoit Trail	3 Massasoit Trail	1 Massasolt Trail	4 Massasoit Trail	8 Massasolt Trail	12 Massasolt Trail	76 Pawnee Ave	78 Pawnee Ave	80 Pawnee Ave	82 Pawnee Ave	84 Pawnee Ave	86 Pawnee Ave	88 Pawnee Ave	90 Pawnee Ave	92 Pawnee Ave	96 Pawnee Ave
	Blockillot	10	1	12	13	14	15	16	-41	<u>®</u>	13	82	23	22	23	24	22	58	27	28	53	8	34	32	10	<u>-</u>	12	13	14	15	16	- 17	18	5
	ola	5004	2004	5004	5004	5004	5004	5004	5004	5004	5004	2004	5004	5004	2004	5004	5004	5004	5004	5004	2004	5004	5004	5004	5401	5401	5401	2401	5401	5401	5401	5401	5401	5401
	Neighborhood	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manifo	10. Manito	10. Manito	10. Manito



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 10: Manito

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	Comments	THE REPORT OF THE PERSON OF TH		1	The state of the s	a.			WARRIE TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE THE TOTAL TO T	a. The state of th	and the second s	annide (Artista)	address .		1	da.	with a service of the	and the state of t	THE RESERVE OF THE PROPERTY OF		# d	The second of th		4	THE PARTY OF THE P	A CONTRACTOR OF THE CONTRACTOR	a milestation			ls l	and the state of t		- Indianasia	•
	Cesspool (Y/N)	z	¥	>-	Y	N	X	λ	N	Υ	Z	N	Υ	Z	γ	γ	Υ	Υ	>	Z	٨	Z	Z	Z	Z	1	Z	χ	Z	Z	Z	z	Z	>
STRONG ICE MAINE	System Fallures		-	T T T T T T T T T T T T T T T T T T T	-	T T T T T T T T T T T T T T T T T T T	and a second control of the second control o	•	•	***	discovered and the second seco		ş		•	1	•	1	•	_		•	i.			_	T TOTAL CONTRACTOR CON	- WANNAM MATERIAL PROPERTY OF THE PROPERTY OF	a second control of the second	a secondard desired	- Transfer in the Annual Walnut Co.	e e e e e e e e e e e e e e e e e e e	Sewage on front lawn coming from leaking septic tank	Courses on front laste nomina from lanking confin track
	Year Repaired	1986	1970 / 2004	1979	1959 / 2007 / 2010	2013	1	1972 / 1994	1965 / 2009	1979 / 2002 /	1989	1989 / 2012	1999	1988	1993 / 2004	1970 / 2009	1990	1973 / 1982 / 2005	2001 / 2015	1978 / 2015	1978	1970	1974 / 1981	1980	-	-	1978 / 2009	-	2001	1982	1979 / 1983	20010101010101	1973 / 1985 / 1989	40.07 / 4090 / 2003
	Year Designed	1958	1957	1955	1955	1957	1957	1956	1958	1956	1958	1958	1961	1957	1957	1957	1960	1959	1958	1960	1927	1958	1960	1960	1958	1953	1956	1958	1969	1954		1968	1967	4056
	Street Address	98 Pawnee Ave	110 Pawnee Ave	112 Pawnee Ave	114 Pawnee Ave	118 Pawnee Ave	71 Monhegan Ave	69 Monhegan Ave	67 Monhegan Ave	65 Monhegan Ave	63 Monhegan Ave	85 Manito Ave	81 Manito Ave	79 Manito Ave	23 Wenonah Ave	21 Wenonah Ave	19 Wenonah Ave	17 Wenonah Ave	13 Wenonah Ave	98 Minnehaha Blvd	100 Minnehaha Blvd	102 Minnehaha Blvd	106 Minnehaha Blvd	672 Ramapo Valley Rd	674 Ramapo Valley Rd	676 Ramapo Valley Rd	680 Ramapo Valley Rd	686 Ramapo Valley Rd	688 Ramapo Valley Rd	690 Ramapo Valley Rd	692 Ramapo Valley Rd	694 Ramapo Valley Rd	698 Ramapo Valley Rd	PO colloy Company Dd
	BlockiLot		ļ	ļ	01 27	ļ,	ļ	ļ	ļ	.	····		01 36	01 37	14	01 15		17		ļ	<u></u>			******	*****		01 27					01 32		ļ
		5401	5401	_			5401				5401	5401		5401	<u> </u>	5201		-	0 5201	0 5201	0 5201		0 5201		0 5201		0 5201	5201	0 5201		0 5201			
	Neighborhood	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manito	10. Manit	10. Manito	10. Manito	40 Manite



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 10: Manito

	Comments		a of translativity (April 1997)	**************************************	**************************************	arabhhhaid	and the state of t	nette e		warmindelettiffic	THE THE PARTY OF T	***************************************	***************************************	manifest to the second	The state of the s	and the state of t	***************************************	 TO THE PARTY OF TH			***************************************		THE PARTY OF THE P	The state of the s	The second of th			The state of the s	******
	Cesspool (Y/N)	Y																							***************************************				
Neignbornood 10; Wanito	System Fallures		The state of the s	**************************************	The state of the s														Marie		en en element de la lette per le de la company de la compa	The state of the s			THE RESERVE THE PROPERTY OF TH	TO THE PARTY OF TH	THE TAXABLE PARTY OF TA	THE STREET S	
Neignbo	Year Repaired	1979 / 2005	***************************************																										
	Year Designed	1955																										••••	
	Street Address	6 Pawnee Ave	3133333																										
	107	35																											
	BlockiLat	5201	*******						 				 							 	******								h
	Neighborhood	10. Manito		*******						THE PARTY WAS ASSESSED.																			



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 11: Mirror Lake

Conments		Subdivision	Subdivision	The state of the s	***************************************	Subdivision / (Scardo's Spring onsite)	**************************************														2005 - Replace both fanks and outlet pipes	1	2003 - New Septic, Removed Cesspool	1998 - New system / 2006 - Disposal field moved	2001 - Entire new system		1998 - New disposal field	1998 - New Septic, Removed Cesspool	2001 - New system			1971 - Cesspool Removed	T T T T T T T T T T T T T T T T T T T
Gesspool (Y/N)	Z	N	N	N	N	Z	Z	N	Z	Z	Z	Υ	γ	γ		٨	•	λ.	Υ.	i kanala kan	Z	Z	٨	Z	Z	N	Z	Υ	N	Z	Z	>	Z
Weightbornood 11. Million Lane paired System Failures	-		1987 - System Malfunction																		5/11/89 Storm drains picking up septic. 6/21/89 No		•	1998 - Septic system overflowing onto ground	1	-	i.	•		The second control of	2	2009 - Water Intrusion into septic	MONITORIUM INTERIOR
Vear Repaired	1969 / 2009	1986 / 2013	1985	2001 / 2014		2004 / 2006	-	000Z	1991	2014	1988	1999	2004	1989	Ł	1972 / 1986	2000 / 2014	1975 / 1999 / 2007	2004	ş	2005	-	2003	1998 / 2006	1977 / 2001	1978	1978 / 1998	1998	2001	1971 / 1994	1993	1971 / 2009 / 2013	1968 / 2002
Year Designed	1959	1983	1983	1973	1959	1974	1984	1963	1962	1973	1973	1961	1961	1961	1961	1961	-	t	1961	1961	1966	1959		1	1963	1960	1960	1960	1960	ι	1957	1957	1955
Street Address	10 Purdue Ave	14 Purdue Ave	16 Purdue Ave	107 Franklin Ave	20 Purdue Ave	35 Franklin Ave	29 Franklin Ave	25 Franklin Ave	21 Franklin Ave	6 Hiawatha Blvd	8 Hiawatha Blvd	11 Pine Crest Dr	15 Pine Crest Dr	17 Pine Crest Dr	19 Pine Crest Dr	21 Pine Crest Dr	20 Pine Crest Dr	18 Pine Crest Dr	16 Pine Crest Dr	14 Pine Crest Dr	524 Ramapo Valley Rd	19 Tecumseh Trail	15 Tecumseh Trail	13 Tecumseh Trail	9 Tecumseh Trail	6 Tecumseh Trail	10 Tecumseh Trail	26 Tecumseh Trail	28 Tecumseh Trail	53 Hiawatha Blvd	51 Hiawatha Blvd	41 Hiawatha Blvd	39 Hiawatha Blvd
Elocklat	1 1	11 2	3							ļ	ļ)1 40		******)1 43	11 44	ו 45	11 2)1 6 	7 1	Э1 8	<u></u>	12		ļ	ļ	******		ļ
Neighborhood	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401		11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4401	11. Mirror Lake 4601	11. Mirror Lake 4601	11. Mirror Lake 4601	11. Mirror Lake 4601	11. Mirror Lake 4601	11. Mirror Lake 4601	11. Mirror Lake 4601	11. Mirror Lake 4601		11. Mirror Lake 4601	11. Mirror Lake 4601	11. Mirror Lake 4601	11. Mirror Lake 4601



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 11: Mirror Lake

	(Y/N) Comments	The state of the s	1978 - seepage pit relocated		**************************************	1998 - New system				1967 - Cesspool Removed	1985 - Sewege flowing offsite, courts involved to fix	1998 - New system	T TOTAL CONTRACTOR OF THE CONT	a recommended del del del del del del del del del	a verter mental de la constant de la		2014 - Cesspool Removed		The second secon		The second secon		The second secon	a distribution of the contract	TI T		and the second s			1989 - New Bed			1964 - Moved bed, new drainage easement onsite	
	Cesspool (VIN)	z	Z	2	2	2	Z	Z	>	>		>	Υ.	2	2	>	>	Z	Υ	⊁	Z	z	Z	z	2	>	Z	Z	>	Z	Z	>	z	>
Neighborhood 11: Mirror Lake	System Fallures	2000 - Septic system overflowing onto ground	•	1	L	4	•		1	1970/1986/1992 - overflowing system	1985 / 2011 - Photos of rawr sewege on ground	3		A	T	•	=	1972 - Septic system overflow	a.	-	1984 - Overflowing system	a.	-	1	1				1983 - Overflowing system	F	T CONTRACTOR OF THE PARTY OF TH	1984 - Overflowing system	a contraction (Assertation Contraction Con	
Neighborh	Year Repaired	1973 / 2000	1978 / 2003	-	1974	1964 / 1998	-	5005	-	1970 / 1986 / 2012	1974 / 1985 / 1992 / 2011	1998	2014	1981 / 1996		1982 / 2000	1984 / 2014	1972 / 2003	1985 / 1996	1999	1984 / 2002	1972 / 1996 / 2002	1987	,	1966	-	2006	1962 / 1996	1983	1989 / 2010	1998	1984	1964 / 2011	3000 / 6201
	fear Designed	1957	1959	1968	1960	1956	1972	1971	1956	1956	1966	1959	1960	1970	1957	1959	•		1959	1954	1957	,	1964	1953	1957	1955	1958	1954	1957	1963	1962	1963	1959	4004
	Street Address	37 Hiawatha Blvd	25 Hiawatha Blvd	21 Hiawatha Blvd	19 Hiawatha Blvd	15 Hiawatha Blvd	13 Hiawatha Blvd	11 Hiawatha Blvd	52 Hiawatha Blvd	6 Oswego Ave	8 Oswego Ave	10 Oswego Ave	12 Oswego Ave	14 Oswego Ave	16 Oswego Ave	18 Oswego Ave	20 Oswego Ave	22 Oswego Ave	24 Oswego Ave	26 Oswego Ave	31 Calumet Ave	29 Calumet Ave	27 Calumet Ave	25 Calumet Ave	23 Calumet Ave	21 Calumet Ave	19 Calumet Ave	15 Calumet Ave	13 Calumet Ave	11 Calumet Ave	9 Calumet Ave	7 Calumet Ave	3 Calumet Ave	22 Coming Ass
	(J. O.	26	6%	34	32	33	ਲ	35	_	2	3	4	2	9	7	8	6	10	#	12	14	15	16	17	18	19	20	7,1	22	23	24	52	56	7.6
	Blocklust	4601	4601	4601	4601	4601	4601	4601	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4602	4600
	Neignborhood	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	11. Mirror Lake	44 \$45,000



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 11: Mirror Lake

	Comments	2011 - Plan show an existing cesspool	-	Proposed subdivision	oranie (re-	T T T T T T T T T T T T T T T T T T T		•		THE PROPERTY OF THE PROPERTY O	To the state of th		MARKET MANAGE						***************************************	The state of the s	The second control of the second seco	A CONTRACTOR OF THE CONTRACTOR			**************************************	**************************************		
	Cesspool (Y/N)	Y	У	,	Υ	Y	Y	N	Ϋ́	Z	Υ	Z	Υ										***************************************					
Neignbornood III; Miffof Lake	Systom Fallures		-	2	1	-	•	•	•	1981 - Overflowing system	1959, 1964 - Overflowing system	1970,1972 - Overflowing system	1975,1979 - Drainage complaints											The state of the s				
Neignborno	Year Repaired	1967 / 2011	2011	1995	1968 / 1985	1975	1981 / 2014	1990	1992	1965 / 1981 / 2005	1959 / 1964 / 2005	1970 / 2005	1975 / 1979 / 1994 / 2008															
	Year Designed	1954	1955	1957	1954	1955	1953	1956	r	1957	,	1955	1959															
	Street Address	31 Seminole Ave	27 Seminole Ave	Seminole Ave	20 Hiawatha Ave	24 Hiawatha Ave	28 Hiawatha Ave	34 Hiawatha Ave	38 Hiawatha Ave	42 Hiawatha Ave	44 Hiawatha Ave	46 Hiawatha Ave	48 Hiawatha Ave			- Partacentement												
	BlockLat		72 29				72 36			22 40)2 41)2 43	******	 *****		****	 ,									 	
	Neighborhood	11. Mirror Lake 4602	11. Mirror Lake 4602	11. Mirror Lake 4602	11. Mirror Lake 460	11. Mirror Lake 4602	11. Mirror Lake 4602	11. Mirror Lake 4602	11. Mirror Lake 4602		11. Mirror Lake 4602	 Mirror Lake 4602 	11. Mirror Lake 4602															



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 12: Munic & Rec

Neighborhood 🗈	Block/Lot	of	Street Address	Year Designed	Year Repaired	System Failures	Cesspool (Y/N)	Comments
12, Munic & Rec	1901	2	20 Lawlor Dr	1966	1991	The state of the s	N	Senior Center
12. Munic & Rec	1901	4	285 Ramapo Valley Road	1961	1995	Motor oil in septic tank	λ	First Aid Building
12. Munic & Rec	1901	r.c	39 Butternut Ct	1988	1990		N	The state of the s
12. Munic & Rec	1901	9	35 Butternut Ct	1988	1990	The state of the s	Z	1 semantimoditivo della
12. Munic & Rec	1901	7	31 Butternut Ct	1988	1993	•	Z	
12. Munic & Rec	1901	ဆ	27 Butternut Ct	1988	1989		N	**************************************
12. Munic & Rec	1901	တ	23 Butternut Ct	1988	1989 / 2011 / 2012	-	2	a strong and Additive to
12. Munic & Rec	1901	10	19 Butternut Ct	1988	1993	a.	X	1993 - Septic tank installed
12. Munic & Rec	1901	<u>;</u>	15 Lawlor Dr	1988	2008	-	N	a manufactivity
12. Munic & Rec	1901	12	279 Ramapo Valley Road	1956	1980 / 1986	a.	Y	ministrative (4.4 m)
12. Munic & Rec	1901	13	281 Ramapo Valley Road	1953	1964	The state of the s	Υ	
12. Munic & Rec	1901	14	277 Ramapo Valley Road	1977	2012	Open well between house and adjacent propoerty	Z	
12. Munic & Rec	1901	15	267 Ramapo Valley Road	1	1986	***************************************	z	T T
12. Munic & Rec	1901	16	14 Aspen Way	1967		•	Z	The state of the s
12. Munic & Rec	1901	17	18 Aspen Way	1967	1980	is.	z	AMANAMANA
12. Munic & Rec	1901	18	22 Aspen Way	1968	•		Z	a a second MAMPA
12. Munic & Rec	1901	19	26 Aspen Way	1967	1990	t.	N	THE PARTY OF THE P
12. Munic & Rec	1901	20	30 Aspen Way	1967	2014	**	N	a a construction of the state o
12. Munic & Rec	1901	21	34 Aspen Way	1968	2007		Υ.	en management des des des de la companya de la comp
12. Munic & Rec	1901	22	38 Aspen Way	1968	1969 / 2007	_	>	1969 - Septic tank installed / 2007 - Pool replaced
12. Munic & Rec	1901	23	35 Aspen Way	1967	1969	-	Z	in the second se
12. Munic & Rec	1901	24	31 Aspen Way	1967	1986 / 2006	=	Z	5
12. Munic & Rec	1901	25	27 Aspen Way	1967	2006 / 2009		Z	T T T T T T T T T T T T T T T T T T T
12. Munic & Rec	1901	56	23 Aspen Way	1968	•	THE PROPERTY OF THE PROPERTY O	N	
12. Munic & Rec	1901	27	19 Aspen Way	1967	-	E.	Z	
12. Munic & Rec	1901	28	15 Aspen Way	1967	•		Z	r -
12. Munic & Rec	1901	දි	11 Aspen Way	1969	2009		Z	- The state of the
12. Munic & Rec	1901	30	261 Ramapo Valley Road	1962	1	7	Z	a communication of the communi
12. Munic & Rec	1901	31	259 Ramapo Valley Road	1958	1994 / 1995 / 2004	-	Z	a commence and address of the
12. Munic & Rec	1901	32	255 Ramapo Valley Road	1960	1971 / 1984		>	- The state of the
12. Munic & Rec	1901	33	4 Balley Ave	1984	1986 / 2015	1	Z	h
12. Munic & Rec	1901	34	10 Balley Ave	1948	1989	T TOTAL CONTROL OF THE CONTROL OF TH	X	markenskaladateken kentapura
12. Munic & Rec	1901	32	18 Bailey Ave	1969	ų.		z	-



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 12: Munic & Rec

	Comments		Oakland DPW	•		1983 - Septic tank installed		THE RESERVE OF THE PARTY OF THE		_	•		1971 - Septic tank install / Also repaired in: 2014, 2015	•	American Legion Post # 369			The second control of	The state of the s			THE CONTRACT OF THE CONTRACT O	 The second secon	The state of the s	The second control of the Andrews Control of	THE PROPERTY OF THE PROPERTY O			
	Casspool (Y/N)	\	N	N	N	γ	2		γ	N	N	engenen versen er	λ	Υ	Z														
ioa 12; Munic & Rec	Yoar Repaired System Failures	ARIAN INNEANATA KATAMAN INTERNATIONALIAN INTERNATIONA	_		•	Sewage leakage causing health hazards	a a	,			-			Catch basin loaded with grease									**************************************		The state of the s		annia titi tarake para y	awwith a second	
Neighborno	Yoar Repaired	2000	1978 / 1995	2003	1972 / 1978	1983	1992	F	2000	2000	1995	*	1966 / 1971 / 2001 / 2003	1999 / 2010 / 2012 / 2013	*														
	Year Designed	1959	1966	1958	1967	1949	*	1968	1960	•	1966	1960	1955	1957	1956								****						
	Street Addiness	20 Bailey Ave	63 Oak St	41 Oak St	35 Oak St	31 Oak St	29 Oak St	23 Oak St	13 Oak St	17 Oak St	13 Oak St	9 Oak St	Municipal Plaza	315 Ramapo Valley Road	1S yeO <u>9</u> 9														
	BlockiLat	36	_	2	2	9	80.	6	10	Ţ	12	14	18	19	21	 ******	*****	 ••••••	.,.,					 					
	ello	1901	1803	1803	1803	1803	1803	1803	1803	1803	1803	1803	1803	1803	1803														
	Neighborhood	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec	12. Munic & Rec						***************************************								



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 13: Potash Lake

Veligibleriteod	BlockILpt	Street Address	Year Designed	Year Repaired	epaired System Failures	Cesspool (Y/N)	Comments
13. Potash Lake	2205 2	49 Island Terr	1959	1985	Septic overflow	N	
13. Potash Lake	ļ		1972	1982	- Annual	Z	THE PROPERTY OF THE PROPERTY O
13. Potash Lake	2205 4	41 Island Terr	1973	•	-	N	1988 - Replaced existing deck
13. Potash Lake	2205 5	33 Island Terr	1964	1969 / 1990	mandricon and reversion of the second	2	Transmission of the American State of the Am
13. Potash Lake	2205 7	3 Island Terr	,	2001	n	N	
13. Potash Lake	2203 1	76 Island Terr	-	1992	_	7	- extraction of district Market Marke
13. Potash Lake	2203 3	60 Island Terr	1964	1968 / 1981	Septic fank overflowing	У	1968 - Septic tank installed
13. Potash Lake	2203 5	58 Island Terr	1965	1970 / 1983	_	У	1970 - Cesspool installed
13. Potash Lake	2203 6	54 Island Terr	1964	2015		Z	
13. Potash Lake	2203 7	46 Island Terr	ŧ	1970 / 1994	4.	N	The state of the s
13, Potash Lake	2203 8	42 Island Terr	1965	1982 / 2013	•	Z	2013 - Emergency Overflow trench added
13. Potash Lake	2203 9	36 Island Terr	1956	1973	•	N	2009 - New deck installed
13. Potash Lake	2203 11	24 Island Terr	1955	•	-		and the second of the second o
13. Potash Lake	2518 1	137 Lakeview Terr	1972	1995	Overflowing septic system	Z	
13. Potash Lake	2518 2	133 Lakeview Terr	-	1991	t.	Z	· · · · · · · · · · · · · · · · · · ·
13. Potash Lake	2518 4	123 Lakeview Terr	1	1993		Z	a a constant and deligible Week of the constant and the c
13. Potash Lake	2518 5	117 Lakeview Terr	1972	1975	and the state of t	Z	The state of the s
13. Potash Lake	2518 7	113 Lakeview Terr	1965	1970	Overflowing septic system	Z	
13. Potash Lake	2518 8	107 Lakeview Terr	1964	1973	Overflowing septic system on side yard	z	The state of the s
13. Potash Lake	2518 9	105 Lakeview Terr	1	1971 / 2007 / 2008	# ************************************	Z	- The second and the
13. Potash Lake	2518 10	,		1981	a-darawa.darayayay	Z	# # # # # # # # # # # # # # # # # # #
13. Potash Lake	2518 11	99 Lakeview Terr	1963	1971		Z	
13. Potash Lake	2518 12	2 93 Lakeview Terr	1949	1992 / 2008	Septic tank overflowing, Water in basement	Z	
13. Potash Lake	2518 13	3 89 Lakeview Terr	1	1979	WATER TO THE TOTAL PROPERTY OF THE TOTAL PRO	Z	The state of the s
13. Potash Lake	2518 14	87 Lakeview Terr	,	1989	and metabolish and and AMAN AMAN AMAN AMAN AMAN AMAN AMAN AMA	Z	· · · · · · · · · · · · · · · · · · ·
13. Potash Lake	2518 15		•	1989		z	1989 - New septic tank installed
13. Potash Lake	2518 16	3 81 Lakeview Terr	,	1976	Spetic tank overflowing in front yard onto driveway	Z	e every designate de manuel de service de la constante de la c
					THE THE PROPERTY OF THE PROPER		
					The state of the s		**************************************
			or or other property of the state of the sta		**************************************		- Marian - M
		The state of the s			rahahahamahawasas ya		



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 15: Industrial

Comments	1971 - Septic tank installed	-	-	The state of the s		The state of the s			-	1983 - In ground pool installed	_		***************************************				=		-	1				•				The state of the s	***************************************	
Cesspool (Y/N)		λ	Х	N	N	N	X	λ .	X	, γ	¥	N	N		Z	Z	N	N	N	N	N	N	2	N						
System Failures	-		A LANCE TO A ROLL OF THE PARTY	4	•	-	_	1		7			*	•	•				_		1	•		•						
Year Repaired	1971 / 1992	1984	1996 / 2013	1970 / 1985	1980	2012	1984	2001 / 2004	1975 / 2000	1983	1977 / 1981 / 2014	•	_	ı	2002 / 2009	1972 / 1997		1986	1985 / 2010	1986 / 1987	1978 / 1986 / 2015	1974	1988	1978						
Year Designed	1954	1955	1958		-	1956	1954	1954	1954	1957	1956	1966	1966	1958		1969	1969	1984	1984	1985	1977	1972	1986	1977						
Street Address	424 W Oakland Ave	422 W Oakland Ave	416 W Oakland Ave	412 W Oakland Ave	408 W Oakland Ave	404 W Oakland Ave	400 W Oakland Ave	396 W Oakland Ave	392 W Oakland Ave	388 W Oakland Ave	384 W Oakland Ave	7 Pool Hollow Ave	5 Pool Hollow Ave	380 W Oakland Ave	Edison Ave	50 Edison Ave	28 Edison Ave	38 Edison Ave	40 Edison Ave	65 Edison Ave	45 Edison Ave	37 Edison Ave	29 Edison Ave	19 Edison Ave						
dlot	<u>_</u>	2	m	4	5	9	7	80	6	10	11	12	13	14	-	2	9	4	ιO	9	တ	9	11	12						
Block/Lat	102	102	102	102	102	102	102	102	102	102	102	102	102	102	201	201	201	201	201	201	201	201	201	201						
Neighborhaad	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15, Industrial	15, Industrial	15, Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial	15. Industrial			***************************************			



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 17: Ramapo River

	Comments of the		_	2015 - Still using greywater cesspool with the septic	_		The state of the s	1	mministro-exercise of the control of	4		and the state of t		***************************************	-		rhaanwaterverPr	1992 - New construction	=		-		_			THE REST OF THE PARTY OF THE PA	_			4 Million and Aller and Al	•	The state of the s	The second state of the se	- CONTROL CONTROL AND
	Cesspool (Y/N)	X	λ		γ	Υ		λ .	λ	λ	λ	λ		λ	γ	γ	λ.	~	У	У	2		λ	λ	N	N	N	N	Z	Z	Υ	>-	2	X
Neighborhood 17. haillago hiyei	System Fallures		-	-	_	-	*	7	-		•	•	•	•	,	•	•	•	*	•	•	•	-	•		-	_	,	•	######################################	1982 - Septic overflow	To the state of th	_	**************************************
Meigingia	👉 Tear Regaired 🕒 🕒	1997	1990 / 2004	1969 / 1982	2005	1994	-	1982	1980	1970	2013	2007 / 2014		2009	1971	1988 / 2012	1996	1993	1978 / 1987	2013	2006	1	1985	2003	1999	-	-	,	-	1980	1976 / 1982 / 2001	1976	1979 / 2001	1956 / 1967 / 2001
	Year Designed	1959	1962	1961	1961	1962	1962	1962	1962	1962	1963	1962	1962	1962	1963	1963	1956	1992	1963	1963	1962	1962	1962	1962	1963	1963	1962	1962	1961	1962	1973	1973	1969	1949
	Street Address	599 Ramapo Valley Rd	2 Thunderbird Dr	6 Thunderbird Dr	14 Thunderbird Dr	20 Thunderbird Dr	26 Thunderbird Dr	32 Thunderbird Or	44 Thunderbird Dr	7 Arapaho Ct	11 Arapaho Ct	12 Arapaho Ct	10 Arapaho Ct	6 Arapaho Ct	2 Arapaho Ct	56 Thunderbird Dr	595 Ramapo Valley Rd	61 Thunderbird Dr	57 Thunderbird Dr	51 Thunderbird Dr	45 Thunderbird Dr	39 Thunderbird Dr	33 Thunderbird Dr	27 Thunderbird Dr	69 Glen Gray Rd	65 Glen Gray Rd	59 Glen Gray Rd	51 Glen Gray Rd	45 Glen Gray Rd	39 Glen Gray Rd	25 Glen Gray Rd	17 Glen Gray Rd	9 Glen Gray Rd	855 Ramapo Valley Rd
	Blocktat	7	6	10	11	12	13	14	15	16	- 17	18	19	,			23			 .	,		53	*****		12	13	14	12	16	- 11	18	19	20
	ä	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	1301	_	_	1301	1301					-	_	901			901	Н
	Neighborhood	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 17: Ramapo River

Comments in the second		,	-	ormanico e e e e e e e e e e e e e e e e e e e	n		T	•		The section of the se	·	*		uoisivipans - 9661	2000 - Subdivision	_	da.				-	,	T.	2014 - New System	,	arionossis n		***************************************	TO THE REAL PROPERTY OF THE PERSON OF THE PE	- William Will	**************************************	The state of the s	•
Casspool (YIN)	N	Z	Z	N	N	~	N	~	2	Z	N	N	N	z	Z	γ	N	N	N	N	N	N	N	N	N	N	N	Z	Z	z	Z	z	2
System Fallures		-	r	7				t	•	· · · · · · · · · · · · · · · · · · ·	_		-	*	*		-		•	_	-	*		-				**************************************	To the second control of the second control	,	aadon	The state of the s	•
🚁 Trear Repaired 🖭 🗈	2002 /	1980 / 2015	1982	r	1968 / 1972	1998	1970 / 1972 / 1997 / 2005	1982	3	1968 / 1972	1998	1970 / 1972 / 1997 / 2005	1996	1997	1999 / 2001	1988 / 1997		**	•		1999	1980 / 2008	F	2014	•	•	•		m.	,	2008	1984	1
Year Designed	1974	1974	1979	1979	1961	1960	1959	1979	1979	1961	1960	1959	1961	1	1997	1978	1998	1998	1998	1998	1965	1966	1967	1971	1970	1972	1968	1969	1965	1965	1967	1964	1964
Straat Address	845 Ramapo Valley Rd	837 Ramapo Valley Rd	833 Ramapo Valley Rd	829 Ramapo Valley Rd	819 Ramapo Valley Rd	815 Ramapo Valley Rd	807 Ramapo Valley Rd	833 Ramapo Valley Rd	829 Ramapo Valley Rd	819 Ramapo Valley Rd	815 Ramapo Valley Rd	807 Ramapo Valley Rd	799 Ramapo Valley Rd	791 Ramapo Valley Rd	781 Ramapo Valley Rd	773 Ramapo Valley Rd	2 Valley Forge Rd	4 Valley Forge Rd	6 Valley Forge Rd	8 Valley Forge Rd	28 Saratoga Dr	12 Heath Rd	18 Heath Rd	23 Brandywine Pl	17 Brandywine Pl	15 Brandywine Pl	9 Brandywine Pl	5 Brandywine Pi	14 Gates End	10 Gates End	4 Gates End	13 Gates End	9 Gates End
Block/Lat		ļ		.,			72			ļ					98		,	34		98	2	2 2	2 3	2 4	2 5	9 2	2 7 7	8 2	6 2	2 10	2 11	2 12	7
B	901	ļ	904	<u> </u>	904	904	904	_	_	<u> </u>	<u> </u>	901	. 901	901	. 301		901	- 901	. 901	. 901	1002	. 1002	1002	. 1002	1002	1002	1002	1002	_		1002		1002
Neighborhood	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	Ramapo River	 Ramapo River 	17. Ramapo River	 Ramapo River 	17. Ramapo River	17. Ramapo River	17. Ramapo River	17. Ramapo River	 Ramapo River 	17. Ramapo River	 Ramapo River 	Ramapo River	Ramapo River	17. Ramapo River	Ramano River



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 18: Skyline

Continents	1	,	1		1	•	1	3	2008 - New system	,	£	·	1	r	•		1984 - Subdivision into 3 lots	F		E	•				•	1978 - New System	3	2011 - New System		_	=	7	,
Gasspool (YIN)	N	Z	z	Z	X	z		Z	N	z	Z	Z	N	Z	Z	N	N	Z	N		N	λ	λ	λ	Z	Z	λ	λ	X	Á	, ×	>	z
System Fallures	-	r		t.	•	,	7	-		r	1	1	•	1	•	=		1975,1977 - System Malfunction	•	E.	•		-	•	•	,	1	•	•	=	ı	1	,
Yeur Repaired	1988	1	-	1972 / 1982	-	2001			1988 / 2008	r	1989 / 2000	1973 / 2004	1977 / 2013		1986	-	•	1980 / 2002	2013	E	1991	2003	2004	2015	•		2000	2011	1996	=	1990	1967 / 2003	1985 / 1987 / 2000 / 2003
Year Designed	1977	1977	1958	1966	1956	1967	1959	1956	1962	1972	1963	1961	1968	1967	1984	1984	1984	1966	1968	1960	1989	1955	1956	1957	1958	1978	1960	1958	1962	1958	1959	1959	1978
Street Address	175 Skyline Dr	155 Skyline Dr	149 Skyline Dr	137 Skyline Dr	125 Skyline Dr	115 Skyline Dr	119 Truman Blvd	115 Truman Blvd	109 Truman Blvd	101 Truman Blvd	99 Truman Blvd	97 Truman Blvd	95 Truman Bivd	93 Truman Blvd	91 Truman Blvd	87 Truman Blvd	83 Truman Blvd	81 Truman Blvd	79 Truman Blvd	65 Truman Blvd	61 Truman Blvd	66 Skyline Dr	70 Skyline Dr	76 Skyline Dr	90 Skyline Dr	106 Skyline Dr	118 Skyline Dr	124 Skyline Dr	130 Skyline Dr	140 Skyline Dr	146 Skyline Dr	152 Skyline Dr	158 Skyline Dr
Block/Lot	401 8,9	401 10	401 11	401 12	401 14	401 15	402 3	402 4	402 5	******	402 8	02 9	402 10	.02 11	.02 12	402 13	02 14	402 15		******	.02 20	402 44	.02 45	402 46			402 50			402 53		-02 55	402 56
Neigriborhood	18. Skyline 4					18. Skyline 4					18. Skyline 4	18. Skyline 4	18. Skyline 4	18. Skyline 4		18. Skyline 4	18. Skyline 4	18. Skyline 4		18. Skyline 4			18. Skyline 4			18. Skyline 4		18. Skyline 4					18. Skyline 4



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 19: West Oakland

		The state of the s	1964 - Spetic tank installed		-	**************************************	1	1988 - New septic tank installed	T T T T T T T T T T T T T T T T T T T	MATERIAL AND		1		======================================			3	1007 - Spetic tank replaced	F. C.	T T T T T T T T T T T T T T T T T T T	-	1963 - Septic Installed	2009 - Remove cesspool		1964 - New tank	1986 - Subdivision (OKES-210-10)	1986 - Subdivision	1960 - Septic installed, abandoned cesspool till 1993	1973 - Septic Installed	2004 - Septic plans rejected		1985 - Septic Installed		
TWA TO THE STATE OF	i i i i i i i i i i i i i i i i i i i	N	>-	2	Z	N	N	N	N	N	N	Z	Z	z	Z	Z	Z	Z	Z	Z	N	Υ	Υ	>		Z	Z	γ	γ	Υ	٨	>	51111 51111 51111	,
Medicol 10, 1101 Canada			The state of the s	System Overflow onto ground	_		Sewage leakage in rear yard		•		Spetic tank leaking and causing odors in dwelling		Septic tank / pipes exposed causing health hazard	*		•	al		_	•	_	-	1979/1988 - Inspected,no issues,no record of tanks		r	1	-		**		a and the second		The second state of the se	
modification (namanan man	5	1964 / 1996	1	-	2004 / 2005 / 2013	1961	1988	1975 / 1987	2002 / 2003 / 2004	1976 / 2000	1997	2000	-	2008	2008	2013	1995 / 1997		1977 / 1994	•	1963	2009	1969	1964	1996	F	1993	•	2004	1980 / 2004	1985	_	1
	ralifikan tast	1976	1960	1980	1965	•	1982	1971	1966		1970	1973	1973	1961	1981		1973	1	1973	1970	1970	1955	F	1957	•	1986	1970	1960	1973	1	1954	1975	1960	1960
	See Japan Japan S	48 A-B Park Dr	231 W Oakland Ave	4 Park Dr	6 Park Dr	8 Park Dr	10 Park Dr	12 Park Dr	14 Park Dr	16 Park Dr	18 Park Dr	20 Park Dr	22 Park Dr	24 Park Dr	26 Park Dr	28 Park Dr	30 Park Dr	32 Park Dr	34 Park Dr	36 Park Dr	38 Park Dr	197 West Oakland Ave	193 West Oakland Ave	189 West Oakland Ave	187 West Oakland Ave	183 West Oakland Ave	179 West Oakland Ave	173 West Oakland Ave	171 West Oakland Ave	167 West Oakland Ave	163 West Oakland Ave	159 West Oakland Ave	6A Riverside Dr	8A Riverside Dr
Dischift of	The survey of	2001 1	2001 3	2001 7	2001 8	2001 9	2001 10	2001 11	2001 12	2001 13	2001 14	2001 15	2001 16	2001 17	ļ	2001 19		2001 21	2001 22	 .	,,,,,,,,,	2003 4	2003 5	2003 6	2003 7	2003 8		ļ	2003 11		2003 13	2003 14		2004 1.2
	naningilah	19. West Oakland 2	19. West Oakland 2	19. West Oakland 2		19. West Oakland 2	19. West Oakland 2	19. West Oakland 2				19. West Oakland 2	19. West Oakland 2	19. West Oakland 2	19. West Oakland 2		19. West Oakland 2	19. West Oakland 2	19. West Oakland 2	_				19. West Oakland 2	19. West Oakland 2	19. West Oakland 2	19, West Oakland 2			19. West Oakland 2	19. West Oakland 2	19. West Oakland 2	_	



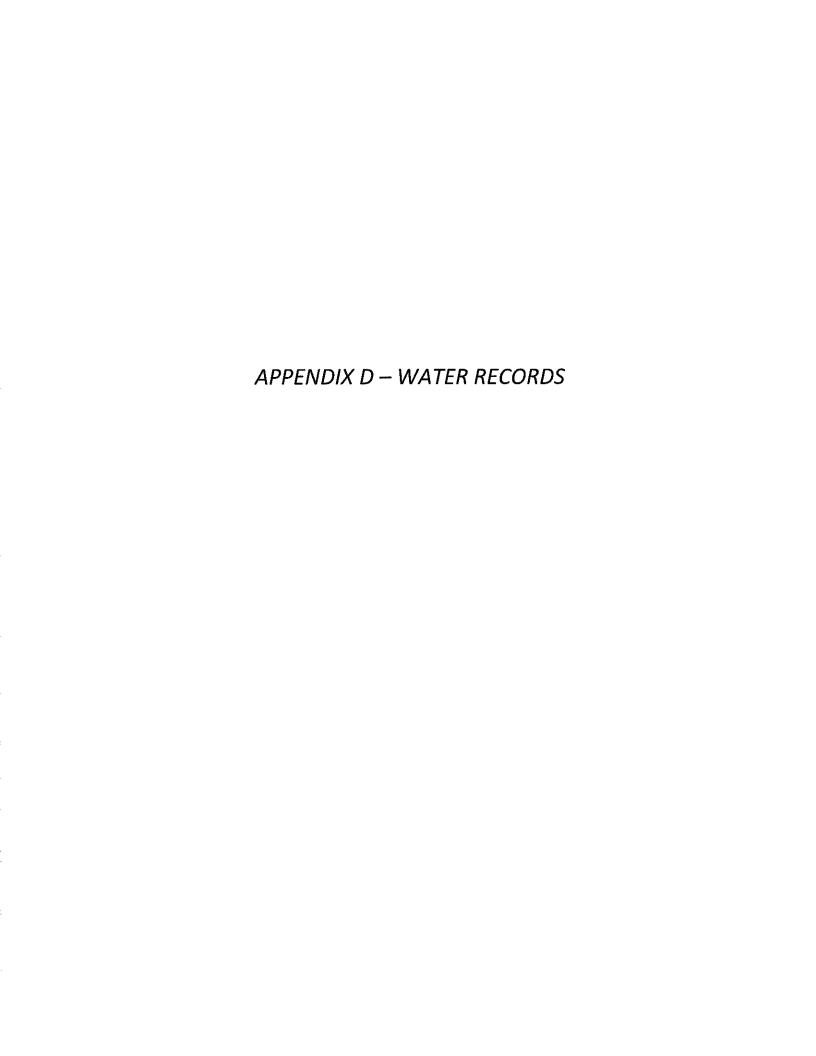
Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 19: West Oakland

					Neiginum	Neignbornood 19: West Oakland		
Neighborhood	BlockILat	ij	Street Address	Year Designed	Year Repaired	System Failures	Casspool (YIN)	Comments of the State of the St
19. West Oakland	2004	1.3	10A Riverside Dr	1963	1		Z	
19. West Oakland	2004	1,4	12A Riverside Dr	1960		•		
19. West Oakland	2004	2.1	4 Riverside Dr	1969	2015	•	Z	-
19. West Oakland	2004	2.2	55 Park Dr	1951	1967 / 1983 / 1988 / 2012	,	Z	
19. West Oakland	2004	4.1	6 Riverside Dr	1961	4			
19. West Oakland	2004	4.2	8 Riverside Dr	1960	•	r		mayer property.
19. West Oakland	2004	5.1	10 Riverside Dr	1960	7	•		
19. West Oakland	2004	5.2	12 Riverside Dr	1960	1	•		-
19. West Oakland	2004	7	18 Riverside Dr	1261	•	•	N	**************************************
19. West Oakland	2004	æ	22 Riverside Dr	1971		ı	N	
19. West Oakland	2004	6	26 Riverside Dr	1980	1983	4	, A	•
19. West Oakland	2004	10	30 Riverside Dr	1980	·	è	N	a de la companya de l
19. West Oakland	2004	+	32 Riverside Dr	1969	1977 / 1987	Ł	N	ž.
19. West Oakland	2004	12	34 Riverside Dr	ı	1971		Z	1971 - New septic tank installed
19. West Oakland	2004	13	36 Riverside Dr	1983	***************************************		z	1983 - Septic tank installed
19. West Oakland	2004	14,15	40 Riverside Dr	1948	1956 / 1986		γ	
19. West Oakland	2004	16	42 Riverside Dr	1960	4	Septic is being pumped out into the street	N	_
19. West Oakland	2004	17	44 Riverside Dr	1983	-	•	N	
19. West Oakland	2004	18	46 Riverside Dr	1959	F		Z	•
19. West Oakland	2004	19	48 Riverside Dr	1950	1966		λ	1966 - Septic tank installed
19. West Oakland	2004	20	52 Riverside Dr	1963	1983		>	1982 - Septic tank installed
19. West Oakland	1805	-	115 West Oakland Ave	٠	1980 / 1998		1	
19. West Oakland	1805	2	33 Hillside Ave	1960	1965 / 1979 / 1995		N	
19. West Oakland	1805	3	31 Hillsode Ave	1958	1993 / 2005		γ	1987 - Subdivide into 4 lots
19. West Oakland	1805	4	29 Hillside Ave	1992	1		N	
19. West Oakland	1805	5	23 Hillside Ave	1963	1986		N	
19. West Oakland	1805	9	19 Hillside Ave	1954	1968 / 2009		Υ	
19. West Oakland	1805	7	15 Hillside Ave	1962	2011	***************************************	У	The state of the s
19. West Oakland	1805	8	11 Hillside Ave	1949	1952 / 1960		Υ	Transfer and the state of the s
19. West Oakland	1805	10	22 River Rd	1956	1962 / 1990 / 1993	1991 - Overflowing septic	2	NJDEP 0242-14-0001.1 FHA 140001
19. West Oakland	1805	11	24 River Rd	1961	1969 / 1972 / 1980 / 2010	The second secon	z	NJDEP 0242-14-0002,1 FHA 140001
19. West Oakland	1805	12	26 River Rd	1954	1986 / 2000 / 2003	2012 - Bamboo onsite, Oakland told them to remove	>	
19. West Oakland	1805	13	30 River Rd	1966	1985		N	***************************************



Borough of Oakland Septic Problem Statement OK-1585 Neighborhood 19: West Oakland

_			_					y																			
	Comments and Comments			1964 - Fire destroyed the existing home				1990 - Subdivsion / 2011 - New System								2014 - New System	£		e.					***************************************			
	Cesspool (Y/N)	Y	Z	Z	N	N	Z	Z	Z	Z	X	Z	λ.	Z	У	1	Z	λ	λ								
icignical 19: Hest Canalia	System Failures			1978 - Well water onsite contaminated													•	r	Old oil pit not properly abandoned							THE	
omognifican	Year Repaired	1972 / 1992	1972 / 1990	1983 / 2009	1981	2001		2003 / 2011	1997	1982/		4	1998	1995	2009	2014	1988	1963 / 1977 / 2001	2005								
	Year Designed	1958	1963	1954	1956	1960	1960	-	1953	1958	1959	1968	1959	1979	1959		-	1952	1953								
	Street Address	36 River Rd	38 River Rd	62 River Rd	24 Poplar St	53 Silver Birch Ave	43 Silver Birch Ave	35 Silver Birch Ave	29 Silver Birch Ave	17 Silver Birch Ave	11 Silver Birch Ave	78 West Oakland Ave	10 Valley View Ave	21 Valley View Ave	19 Valley View Ave	15 Valley View Ave	9 Valley View Ave	90 & 94 W Oakland Ave	104 W Oakland Ave								
	Blocktrat	1805 15	1805 16	1702 6	1702 8	1702 9	1702 11	1702 12	1702 13	1702 14	1702 15	1702 16	1702 17	->11-11	1702 23	1702 24	1702 25		1702 27	 						 	
	Neigriborhabd	19. West Oakland		19. West Oakland		19. West Oakland 1	 West Oakland 1 	19. West Oakland 1	19. West Oakland 1	19. West Oakland 1	 West Oakland 	19. West Oakland 1	19. West Oakland 1	19. West Oakland 1	 West Oakland 	19. West Oakland 1	 West Oakland 	19. West Oakland 1	 West Oakland 								



<u>Total</u>	1,330,907 gallons (/100)		133,090,700 gallons	364,632 gpd	Lobertain and and the 1000	so Lots Have 10 use recoluded	=26,400 gpd	391,032 Actual usage plus estimated usage																																									
2016/1-2916/2 Water Usage	0	0	0	0	0 (o c	0	0	0	0	0	0	0	0	0	0	ຄ	> 0) (. ∞	12	16	20	31	34	38	39	49	51	1 85	888	09	61	62	29	89	69	02	71	7.1	74	76	11	78	83	84		3
CITY STATE	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	CAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKI AND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	OAKLAND NJ	OAKLAND N	CAKLAND NJ	OAKLANDNI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
ST ADDRESS	PO BOX 272	225 RAMAPO VALLEY RD	38 YAWPO AVE	101 E OAK ST UNIT E-5	99 CHUCKANUTT DR	JO PAGE DR	4 MEADOWLARK CT.	7 WHITTIER LN	11 BARNARD DR	13 SIOUX AVE	50 SIOUX AVE	12 OSWEGO AVE	32 CALUMET AVE	59 SEMINOLE AVE	3 RUTGERS DR	19 PRINCETON TERR	11 YALE WAY	15 YALE WAY	16 CARDINAL DR	48 SETON HALL DR	243 RAMAPO VALLEY RD	20 PRINCETON TER	21 CALUMET AVE	22 CALUMET AVE	101 E OAK ST UNIT F-5	148 HIAWATHA BLVD	14 WENONAH AVE	10 SIOUX AVE	509 RAMAPO VALLEY RD	22 VENONAH AVE	75 MINNEHAHA BI VD	72 LAKESIDE BLVD	23 HIAWATHA BLVD	PO BOX 374	55 SEMINOLE AVE	26 MINNEHAHA BLVD	/9 CARDINAL DR	30 JEHIGH WAY	70 MONHEGAN AVE	9 PINE CREST DR	144 LAKESIDE BLVD	65 RAMAPO HILLS BLVD	34 HIAWATHA BLVD	132 LAKESHORE DR	52 HIAWATHA BLVD	169 LAKESHORE DR	30 SETON HALL DR	42 NOROWIS AVE	198 RAMAPO VALLEY RD
PROP LOC	61 LAKESHORE DR	225 RAMAPO VALLEY RD	38 YAWPO AVE	E-5 EAST OAK STREET	326 RAMAPO VLLY RD	320 FAGE DA \$70 ERANKI IN AVE	4 MEADOWLARK CT	7 WHITTIER LANE	11 BARNARD DR	13 SIOUX AVE	50 SIOUX AVE	12 OSWEGO AVE	32 CALUMET AVE	59 SEMINOLE AVE	3 RUTGERS DR	19 PRINCETON TERR	11 YALE WAY	16 YALE WAY	16 CARDINAL DR	48 SETON HALL DB	243 RAMAPO VALLEY RD	20 PRINCETON TERR	21 CALUMET AVE	22 CALUMET AVE	F-5 EAST OAK STREET	148 HIAWATHA BLVD	14 WENONAH AVE	10 SIOUX AVE	509 RAMAPO VLY RD	12 WENDINAH AVE	75 MINNEHAHA BI VD	72 LAKESIDE BLVD	23 HIAWATHA BLVD	61 LOYOLA PL	55 SEMINOLE AVE	26 MINNEHAHA BLVD	/9 CARDINAL UR	10 FRIGH WAY	70 MONHEGAN AVE	9 PINE CREST DR	144 LAKESIDE BLVD	65 RAMAPO HILLS BLVD	34 HIAWATHA BLVD	132 LAKESHORE DR	52 HIAWATHA BLVD	169 LAKESHORE DR	30 SETON HALL DR	42 NUKOMIS AVE	198 RAM VALLEY RD
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BLOCK	1501	2301	3903	3903	3903	4301	4303	4306	4402	4504	4507	4602	4806	4806	4901	4903	4910	491.1	4303	5003	2301	4911	4602	4806	3903	4803	5204	4507	4507	5204	4701	5012	4601	4902	4806	4702	4303	4805	5501	4401	2009	5004	4602	1503	4602	1501	4907	4504	3401
OBJECTID	195	56	732	709	35	937	956	880	1009	139	1370	1117	317	1178	1501	1572	15/0	1546	12CT	1769	412	1569	1474	303	685	1206	1978	1433	1332	1949	1373	1693	1465	147	115	1159	1001	1182	1986	1258	1741	1961	1475	245	1123	201	1673	1314	511

06	91	93	94	86	66	100	101	105	10/	501	110	110	113	115	120	120	121	121	121	122	125	125	128	128	128	129	130	130	132	132	134	134	136	137	137	139	140	141	142	143	144	146	147	147	148	151	154	154	156	157	158	159	160
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, N.J.	OAKEAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	DAKLANDIN	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
9 THACKERAY RD	8 WELLESLEY DR	29 HIAWATHA BLVD	WILSON STREET	7 CALUMET AVE	11 RAMAPO HILLS BLVD	27 LAKESHORE DR	PO BOX 640	38 SEMINOLE AVE	21 PRINCETON TER	31 DOGWOOD DR	33 PRINCETON TERR	6 CHAPEL HILL RD	143 LAKESHORE DR	42 PRINCETON TERR	489 RAMAPO VALLEY RD	18 CALUMET AVE	101 E OAK ST UNIT G-4	49 CALUMET AVE	201 HIAWATHA BLVD	237 RAMAPO VALLEY RD	18 BAILEY AVE	PO BOX 266	23 WHITTIER LN	28 SETON HALL DR	11 MONHEGAN AVE	33 SEMINOLE AVE	101 E OAK ST UNIT F-7	8 ITHACA PL	50 RAMAPO HILLS BLVD	9 CORNELL PL	8 CARDINAL DR	13 MINNEHAHA BLVD	121 LAKESHORE DR	93 CARDINAL DR	3 WELLESLEY DR	21 BAILEY AVE	30 COLGATE RD	105 LAKE SHORE DR	183 LAKESHORE DR	33 THACKERAY RD	100 HIAWATHA BLVD	115 LAKESIDE BLVD	101 E OAK ST UNIT B-7	54 PRINCETON TER	89 MCCOY RD	49 PRINCETON TER	69 YAWPO AVE	15 HIAWATHA BLVD	33 OSWEGO AVE	61 CALUMET AVE	44 HIAWATHA BLVD	64 SEMINOLE AVE	101 E OAK ST UNIT F-2
9 THACKERAY RD	8 WELLESLEY DR	29 HIAWATHA BLVD	LAKE	7 CALUMET AVE	11 RAMAPO HILLS BLVD	27 LAKESHORE DR	20 SIOUX AVE	38 SEMINOLE AVE	21 PRINCETON TERR	31 DOGWOOD DR	33 PRINCETON TERR	6 CHAPEL HILL ROAD	143 LAKESHORE DR	42 PRINCETON TERR	489 RAMAPO VLY RD	18 CALUMET AVE	G-4 EAST OAK STREET	49 CALUMET AVE	201 HIAWATHA BLVD	239 RAMPO VALLEY RD	18 BAILEY AVE	5 KIOWA TERR	23 WHITTIER LANE	28 SETON HALL DR	11 MONHEGAN AVE	33 SEMINOLE AVE	F-7 EAST OAK STREET	8 ITHACA PL	50 RAMAPO HILLS BLVD	9 CORNELL PL	8 CARDINAL DR	13 MINNEHAHA BLVD	121 LAKESHORE DR	93 CARDINAL DR	3 WELLESLEY DR	21 BAILEY AVE	30 COLGATE RD	105 LAKESHORE DR	183 LAKESHORE DR	33 THACKERAY RD	100 HIAWATHA BLVD	115 LAKESIDE BLVD	B-7 EAST OAK STREET	54 PRINCETON TERR	89 MCCOY RD	49 PRINCETON TERR	69 YAWPO AVE	15 HIAWATHA BLVD	33 OSWEGO AVE	61 CALUMET AVE	44 HIAWATHA BLVD	64 SEMINOLE AVE	F-2 EAST OAK STREET
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4305	4402	4601	5002	4602	5004	1608	4507	4401	4903	3801	4905	5204	1501	4908	4507	4806	3903	4801	5102	2301	1901	5004	4306	4907	5104	4602	3903	5104	5002	2005	4303	4701	1501	4303	4403	2301	5002	1501	1501	4301	4801	5002	3903	4907	3703	4906	3902	4601	4803	4801	4602	4805	3903
825	1064	1477	1902	1452	1785	ന	1442	265	1581	25.1	1626	499	228	1642	1439	1176	287	1101	334	11	370	1804	130	1676	1853	1393	682	1878	1974	1726	949	1143	6	217	1036	78	336	232	191	134	1198	1710	557	1679	455	1662	713	1453	1232	1244	1398	1177	669

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101 E OAK ST UNIT C-5 113 SEMINOLE AVE 28 CALUMET AVE 533 RAMAPO VALLEY RD 21 RUTGERS DR 28 ANDREW AVE	50 SETON HALL DR 12 RUTGERS DR 30 RUTGERS DR 23 OSWEGO AVE 101E E OAK ST # H-1 14 MORTON PL	15 TECUMSEH TRL 93 RAMAPO HILLS BLVD 15 MT.HOLYOKE DR. 51 W OBLAND AVE 8 SENECA AVE 511 RAMAPO VALEY RD 186 HIAWATHA BLVD	52 MINNEHAHA BLVD 94 HIAWATHA BLVD 31 LAKESHORE DR 15 BARNARD DR 182 HIAWATHA BLVD 60 LOYOLA PL 3 DARTMOUTH WAY	15 COLGATE RD 102 HIAWATHA BLVD 47 ALLEN DR 7 VASSAR PL 154 HIAWATHA BLVD 8 YALE WAY 187 LAKESHORE DR 123 LAKESHORE DR 31 PAGE DR 101 E OAK ST UNIT B-3	150 FRANKLIN AVE 120 SEMINOLE AVE 65 YAWPO AVE 29 BARNARD DR 11 TECUMSEH TRL 23 OAK ST 101 E OAK ST UNIT H8 19 HIGH MOUNTAIN RD 66 LAKESHORE DR	29 RAMARO HILLS BLVD 29 MONHEGAN AVE 21 SETON HALL DR 21 HIAWATHA BLVD 10.1 E OAK ST UNIT E-1 74 YAWPO AVE 5 WELLESLEY DR 191 JAKESHORE DR 80 W SHEFFIELD ST
C-5 EAST OAK STREET 113 SEMINOLE AVE 28 CALUMET AVE 533 RAMAPO VLY RD 21 RUTGERS DR H-5 EAST OAK STREET	bus selon Hall Dr 12 RUTGERS DR 30 RUTGERS DR 23 OSWEGO AVE H-1 EAST OAK STREET 14 MORTON PL	16 TECUMSEH TRAIL 93 RAMAPO HILLS BLVD 15 MT HOLYOKE DR 51 W OAKLAND AVE 8 SENECA AVE 511 RAMAPO VLY RD 136 HJAWATHA BLVD	52 MINNEHAHA BLVD 94 HIAWATHA BLVD 31 LAKESHORE DR 15 BARNARD DR 182 HIAWATHA BLVD 60 LOYOLA PL 3 DARTMOUTH WAY	15 COLGATE RD 102 HAWATHA BLVD D-3 EAST OAK STREET 7 VASSAR PL 154 HIAWATHA BLVD 8 YALE WAY 152 LAKESHORE DR 123 LAKESHORE DR 31 PAGE DR 9-3 EAST OAK STREET	120 FRANKLIN AVE 120 SEMINOLE AVE 65 YAWPO AVE 29 BARNARD DR 13 TECUMSEH TRAIL 23 OAK ST 1-8 EAST OAK STREET 19 HIGH MTN RD 66 LAKESHORE DR	29 RAMAPO HILLS BLVD 29 MONHEGAN AVE 21 SETON HALL DR 21 HAWATHA BLVD E-1 EAST OAK STREET 74 YAWPO AVE 159 FRANKLIN AVE 191 LAKESHORE DR 80 W. SHEFFIELD ST
42.57 29 12 10 14 42.23	12 2 11 53 42.27	14 70 1 17 7	18 13 13 13 13 14 17	19 15 12 12 28 5 6 6 30 42.06	22 22 13 20 7 7 9 9 42.19 25	75 28 18 31 42.5 15 27 3
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723 93 310 1373 1522 674	1950 988 979 1226 591 1432	1119 485 1016 366 463 1338	1511 1188 216 1011 1910 1619	1770 1202 719 1040 1558 120 11 533	1051 92 715 1019 1127 22 706 1030	1760 1875 1887 1462 41 585 953 185

220	077	077	223	223	223	224	226	227	227	228	229	229	229	230	231	232	232	234	757	857	738	657	239	239	240	241	241	242	243	244	245	246	247	249	250	251	253	256	857	259	260	261	797	797	262	263	265	366	267	268	268
OAKLAND NJ	OAKLAND N	OAKLAND NU	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLANU NJ	DAKLAND NJ	OAKLAND NJ	OAKI AND NI	OAKI AND NI	OAKI AND NI	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ
40 FRANKLIN AVE	11/ REAVAIDA BLVO	ZIS BRAVALIA BLVU	75 MINNEHARA BLVD 14 WHITTIER LN	518 RAMAPO VALLEY RD	20 BEECH ST	23 COLGATE RD	6 SEMINOLE AVE	101 E OAK ST UNIT G2	151 LAKESIDE BLVD	517 RAMAPO VALLEY RD	101 E OAK ST UNIT H-4	47 CALUMET AVE	93 SEMINOLE AVE	30 CALUMET AVE	67 CALUMET AVE	83 THACKERAY RD	175 HIAWATHA BLVD	22 OSWEGO AVE	156 HIAWAI HA BLVD	6/ LAKESHORE DR	11 SEINECA AVE	101 FRANKLIN AVE	115 SEMINOLE AVE	GO MANITO AVE	49 MINNEHAHA BIVD	67 THACKERAY RD	15 MINNEHAHA BLVD	63 WALNUT ST	524 RAMAPO VALLEY RD	35 SIOUX AVE	8 GROVE ST	15 SENECA AVE	15 YAŁE WAY	101 E OAK ST UNIT A-2	38 MONHEGON AVE	97 LAKE SHORE DR	55 SETON HALL DR	281 RAMAPO VALLEY RD	1 MOUNTAIN LAKES RD	30 SIOUX AVE	493 RAIMAPO VALLEY RD	200 FRANKLIN AVE	8 FORDHAM RD	5 YALE WAY	66 MONHEGAN AVE	46 NOKOMIS AVE	27 BAILEY AVE	PO BOX 282	190 FRANKLIN AVE	83 LAKESHORE DR	101 E OAK ST UNIT B-6
40 FRANKLIN AVE	III MAWATUA BEVU	ZIS FILAVA FILA BLVD	73 IVIIINNEHARA BLVD 14 WHITTIER LANE	518 RAMAPO VALLEY RD	20 BEECH ST	23 COLGATE RD	6 SEMINOLE AVE	G-2 EAST OAK STREET	151 LAKESIDE BLVD	517 RAMAPO VALLEY RD	H-4 EAST OAK STREET	47 CALUMET AVE	93 SEMINOLE AVE	30 CALUMET AVE	67 CALUMET AVE	83 THACKERAY RD	175 HIAWATHA BLVD	22 OSWEGO AVE	156 HIAWAI HA BLVD	67 LAKESHORE DR	II SENECA AVE	101 FRANKLIN AVE	11E SEAGING E AVE	92 MANITO AVE	49 MINNEHAHA BI VD	67 THACKERAY RD	15 MINNEHAHA BLVD	63 WALNUT ST	524 RAMAPO VALLEY RD	35 SIOUX AVE	8&10 GROVE ST	15 SENECA AVE	15 YALE WAY	A-2 EAST OAK STREET	38 MONHEGAN AVE	97 LAKESHORE DR	55 SETON HALL DR	281 RAMAPO VALLEY RD	1 MOUNTAIN LAKES ROAD	30 SIOUX AVE	493 RAMAPO VLY RD	200 FRANKLIN AVE	8 FORDHAM RD	5 YALE WAY	66 MONHEGAN AVE	46 NOKOMIS AVE	27 BAILEY AVE	19 MINNEHAHA BLVD	190 FRANKLIN AVE.	83 LAKESHORE DR	B-6 EAST OAK STREET
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4404	4/02	7010	4701	4601	5010	5003	4401	3903	2005	4507	3903	4801	4803	4806	4801	4301	5102	4602	4804	1501	5204	4401	4903	5007	4701	4301	4701	3903	4601	4505	3401	5204	4910	3903	5004	1501	2005	1901	5204	4507	4507	4304	4905	4910	5501	4504	2301	4701	4301	1501	3903
1079	7/7	1034	138	1122	1715	1951	1278	661	1744	1350	672	1096	1099	313	1186	883	338	1112	117	. 136 65 65 65 65	1939	1260	7/7	1850	457	7 de 1	1144	636	1135	1342	509	1935	1562	728	862	222	1761	383	169	1307	1445	910	1636	1583	1984	1337	80	1151	919	208	555

269 270 270	270	274	275	77.2	277	277	278	278	279	6/7 00L	280	281	281	282	283	284	284	285	286	286	787	787	290	230	290	290	290	291	292	292	704	294	295	295	295	295	738	298	298	599	299	299	300	300	300	301	301
OAKLAND NJ OAKLAND NJ OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	CANLAIND NU	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	OAKLAND NJ	CAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, N.J.	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND N3	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
66 CALUMET AVE 19 HIAWATHA BLVD 25 COI GATF RD	84 MANITO AVE	101 E OAK ST UNIT I-1	34 LANESHURE UR 101 E OAK ST UNIT C-4	373 RAMAPO VALLEY RD	17 HARVARD WAY	181 HIAWATHA BLVD	4 SEMINOLE AVE	7 FORDHAM RD	296 RAMAPO VALLEY RD	57 THACKERAT NU	82 CARDINAL DR	20 TECUMSEH TRL	13 COLGATE RD	101 E OAK ST UNIT D-2	109 FRANKLIN AVE	135 FRANKLIN AVE	130 LAKESIDE BLVD	64 HAIWATHA BLVD	155 LAKESHORE DR	101 E OAK ST UNIT G-1	129 HACKERAY RD	SE EPANKIN AVE	43 WAINITT ST	9 WILSON ST	201 FRANKLIN AVE	33 HIAWATHA BLVD	4 SIENNA WAY	20 MONHEGAN AVE	60 THACKERAY RD	67 MINNEHAHA BLVD	LUI E DAN SI UINII F-4	55 FILAWATHA BLVD	96 YAWPO AVE	28 SIOUX AVE	128 SEMINOLE AVE	168 HIAWATHA BLVD	25 LAKESHORE DR	28 LAKESHORE DR	28 LOYOLA PLACE	13 BARNARD DR	24 MONHEGAN AVE	193 HIAWATHA BLVD	101 E OAK ST UNIT H-3	9 SIOUS AVE	109 HIAWATHA BLVD	83 CALUMET AVE	6 GERONIMO WAY
66 CALUMET AVE 19 HIAWATHA BLVD 25 COI GATE RD	84 MANITO AVE	I-1 EAST OAK STREET	34 LAKESHUKE UK C-4 EAST OAK STREET	373 RAMAPO VALLEY RD	17 HARVARD WAY	181 HIAWATHA BLVD	4 SEMINOLE AVE	7 FORDHAM RD	296 RAMAPO VLLY RD	OF THACKERAT ROAD	97 IPACNERALIND 82 CARDINAL DR	20 TECUMSEH TRAIL	13 COLGATE RD	D-2 EAST OAK STREET	109 FRANKLIN AVE	135 FRANKLIN AVE	130 LAKESIDE BLVD	64 HIAWATHA BLVD	155 LAKESHORE DR	G-1 EAST OAK STREET	129 THACKERAY RD	42 OSWEGO AVE	A3 WAI NI IT ST	9 WILSON ST	201 FRANKLIN AVE	33 HIAWATHA BLVD	4 SIENNA WAY	20 MONHEGAN AVE	60 THACKERAY RD	67 MINNEHAHA BLVD	F-4 EAST UAK STREET	bb HIAWATHA BLVD	96 YAWPO AVE	28 SIOUX AVE	128 SEMINOLE AVE	168 HIAWATHA BLVD	25 LAKESHORE DR	28 LAKESHORE DR	28 LOYOLA PL	13 BARNARD DR	24 MONHEGAN AVE	193 HIAWATHA BLVD	H-3 EAST OAK STREET	9 SIOUX AVE	109 HIAWATHA BLVD	83 CALUMET AVE	6 GERONIMO WAY
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302	303	306	307	307	308	309	303	310	310	310	312	314	317	317	318	318	319	319	319	320	320	321	321	322	322	324	324	325	326	325	327	327	328	329	331	332	334	335	335	335	336	337	337	339	339	339	340	340	340
OAKLAND, NJ	OAKLAND NE	OAKLAND NE	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAK! AND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
15 HIGH MTN RD	246 PAMARO VALITY BD	101 F DAK ST HNIT C-7	24 LOYOLA PL	24 PRINCETON TERR	350 RAMAPO VALLEY RD #119	99 MCCOY RD	10 IECUINISEH IRL	37 MINNEHAHA BLVD	62 MINNEHAHA BLVD	74 CALUMET AVE	42 SETON HALL DR	65 SEMINOLE AVE	101 E OAK ST UNIT B-4	86 MINNEHAHA BLVD	16 SIOUX AVE	72 SEIVINULE AVE	04 SEMBINGLE AVE 43 HIAWATHA BIVD	70 CALUMET AVE	10 DARTMOUTH WAY	99 YAWPO AVE	127 LAKESIDE BLVD	177 LAKESHORE DR	116 LAKESHORE DR	37 LEHIGH WAY	24 SETON HALL DR	25 MINNEHAHA BLVD	11 SIENNA WAY	20 BAILEY AVE	101 E UAK ST UNIT B-1	24 SIOUA AVE 34 RITGERS DR	36 OSWEGO AVE	27 PRINCETON TERR	133 LAKESHORE DR	5 SIOUX AVE	68 YAWPO AVE	13 SIENNA WAY	34 PRINCETON TERR	14 BROOK HOLLOW	19 WHITTER LN	106 HIAWATHA BLVD	73 YAWPO AVE	20 OAK ST	57 WALNUT ST	33 ACADEMY CIRCLE	44 MONHEGAN AVE	175 LAKESIDE BLVD	18 ASPEN WAY	56 SEMINOLE AVE	19 COLUMBIA WAY
15 HIGH MTN RD	226 BAMABO WIY BD	C-7 EAST DAK STREET	24 LOYOLA PL	24 PRINCETON TERR	255 RAMAPO VALLEY RD	99 MCCOY RD	10 IECUIVISEH IRAIL 15 DDINGTTON TEDD	37 MINNEHAHA BLVD	62 MINNEHAHA BLVD	74 CALUMET AVE	42 SETON HALL DR	65 SEMINOLE AVE	B-4 EAST OAK STREET	86 MINNEHAHA BLVD	16 SIOUX AVE	/2 SEMINOLE AVENUE	64 SEIVIINGLE AVE 43 HIAWATHA BI VD	70 CALUMET AVE	10 DARTMOUTH WAY	99 YAWPO AVE	137 LAKESIDE BLVD	177 LAKESHORE DR	116 LAKESHORE DR	37 LEHIGH WAY	24 SETON HALL DR	25 MINNEHAHA BLVD	11 SENNA WAY	20 BAILEY AVE	B-1 EAST OAK STREET	24 SIOOA AVE 34 RIJTGERS DR	36 OSWEGO AVE	27 PRINCETON TERR	133 LAKESHORE DR	5 SIOUX AVE	68 YAWPO AVE	13 SIENNA WAY	34 PRINCETON TERR	14 BROOK HOLLOW	19 WHITTER LANE	106 HIAWATHA BLVD	73 YAWPO AVE	20 OAK ST	57 WALNUT ST	33 ACADEMY CIRCLE	44 MONHEGAN AVE	175 LAKESIDE BLVD	18 ASPEN WAY	56 SEMINOLE AVE	19 COLUMBIA WAY
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1038	110	718	1585	1586	7	789	1666	66 66	458	1184	1789	304	551	1938	846	300	1405	94	1647	810	1730	194	246	1579	1681	1155	1611	372	755 1201	1621	1212	1614	10	1301	089	1607	159	906	136	105	969	24	648	299	1842	1962	382	02	1617

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130 HIAWATHA RIVD	46 HIAWATHA BLVD	24 LEHIGH WAY	40 SETON HALL DR	184 HIAWATHA BLVD	101 E OAK ST UNIT I-4	SO MINNEHAHA BLVD	28 ONEIDA AVE	SO W DAKLAND AVE	125 FRANKLIN AVE	36 KAINIAPU FIILLS BLVD	191 HIAWATHA BLVD	32 COLGATE RD	ZO HEIVILOCK SI	104 YAWPO AVE	187 FRANKLIN AVE	15 SIOUX AVE	PO BOX 90	8 COLGATE RD	194 FRANKLIN AVE	46 SIOUX AVE	33 MONHEGAN AVE	18 WHITTIER LN	30 BARNARD DR	94 LAKESHORE DR	49 ACADEMY CIR	34 CALUMET AVE	25 OSWEGO AVE	26 CEDAR ST	19 WILSON ST	32 DOMINIERANA BLVD	32 PRINCELON LEN 9 DAK ST	101 E OAK ST UNIT E-4	5 FORDHAM RD	99 HIAWATHA BLVD	130 MANITO AVE	72 HIAWATHA BLVD	72 YAWPO AVE	44 PRINCETON TER	6 DARTMOUTH WAY	101 E OAK ST UNIT E-2	11 HURON AVE	4 DARTMOUTH WAY	9 BEECH ST	9 BAILEY AVE	101 E OAK ST UNIT B-8	63 CALUMET AVE	23 RUTGERS DR	13 RUTGERS DR	107 MANITO AVE	37 CARDINAL DR	190 HIAWATHA BLYD
130 HIAWATHA BIVD	46 HIAWATHA BLVD	24 LEHIGH WAY	40 SETON HALL DR	184 HIAWATHA BLVD	1-4 EAST OAK STREET	50 MINNEHAHA BLVD	28 ONEIDA AVE	SO W UAKLAND AVE	125 FRANKLIN AVE	36 KAIMAPU HILLS BLVD	191 HJAWAIHA BLVD	32 CUEGATE RU	CO MENTION ST	104 YAWPO AVE	187 FRANKLIN AVE	15 SIOUX AVE	310 RAMAPO VILY RD	8 COLGATE RD	194 FRANKLIN AVE	46 SIOUX AVE	33 MONHEGAN AVE	186 FRANKLIN AVE.	30 BARNARD DR	94 LAKESHORE DR	49 ACADEMY CIRCLE	34 CALUMET AVE	25 OSWEGO AVE	26 CEDAR ST	19 WILSON ST	31 WINNEHARA BLVD	32 PRINCELON LERK	F-4 FAST DAK STREET	5 FORDHAM RD	99 HIAWATHA BLVD	130 MANITO AVE	72 HIAWATHA BLVD	72 YAWPO AVE	44 PRINCETON TERR	6 DARTMOUTH WAY	E-2 EAST OAK STREET	11 HURON AVE	4 DARTMOUTH WAY	9 BEECH ST	9 BAILEY AVE	B-8 EAST OAK STREET	63 CALUMET AVE	23 RUTGERS DR	13 RUTGERS DR	107 MANITO AVE	37 CARDINAL DR	190 HIAWAI HA BEVD
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1/99	1402	1580	1798	335	707	1508	1942	4/	1504	755	1918	494	414	573	939	845	581	1640	915	1365	1881	922	1037	1380	625	319	1225	294	994	1165	150	717	160	1507	853	1106	662	1648	1652	39	1359	1655	1727	418	761	95	1505	1533	1191	1734	329

378 378	380	380	380	380	382	383	384	384	385	385	382	385	386	300	386	387	388	388	388	389	390	390	391	391	391	392	392	392	393	393	393	395	395	395	396	397	398	398	398	399	400	400	400	401	401	401	403	403
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101 E OAK ST UNIT B-5 86 CALUMET AVE	194 RAMAPO VALLEY RD	108 HIAWATHA BLVD	73 CALUMET AVE	10 COLUMBIA WAY	3 COLGATE RD	19 BARNARD DR	63 THACKERAY RD	10 PRINCETON TER	10 BROOK HOLLOW	96 SEMINOLE AVE	17 SIENNA WAY	76 RAMAPO HILLS BLVD	9 HURON AVE	SS CALUMEI AVE	23 SETON HALL DR	51 MONHEGAN AVE	7 HURON AVE	45 MINNEHAHA BLVD	8 TUSCARORA DR	145 LAKESIDE BLVD	27 TECUMSEH TRAIL	127 SEMINOLE AVE	4 COLUMBIA WAY	187 LAKESIDE BLVD	11 PIMA CT	89 FRANKLIN AVE	/ INI HOLYOKE DK	18 MINNEBAHA BLVD	SO YAWAD AVE	20 CARDINAL DR	78 CALUMET AVE	221 RAMAPO VALLEY RD	53 ACADEMY CIR	149 FRANKLIN AVE	26 THACKERAY RD	31 CAYUGA AVE	173 LAKESHORE DR	22 ACADEMY CIR	485 RAMAPO VALLEY RD	37 WILSON ST	26 FORDHAM RD	6 SIENNA WAY	28 MONHEGAN AVE	83 W SHEFFIELD ST	116 FRANKLIN AVE	75 SEMINOLE AVE	75 LAKESHORE DR	144 LAKESHORE DR
8-5 EAST OAK STREET 86 CALUMET AVE	194 RAMAPO VALLEY RD	108 HIAWATHA BLVD	73 CALUMET AVE	10 COLUMBIA WAY	3 COLGATE RD	19 BARNARD DR	63 THACKERAY RD	10 PRINCETON TERR	10 BROOK HOLLOW	96 SEMINOLE AVE	17 SIENNA WAY	76 RAMAPO HILLS BLVD	9 HURON AVE	89 CALUMET AVE	23 SETON HALL DR	51 MONHEGAN AVE	7 HURON AVE	45 MINNEHAHA BLVD	8 TUSCARORA DR	145 LAKESIDE BLVD	27 TECUMSEH TRAIL	127 SEMINOLE AVE	4 COLUMBIA WAY	187 LAKESIDE BLVD	11 PIMA CT	89 FRANKLIN AVE	/ MI HOLYOKE DK	18 MINNEHAHA BLVU	9 FURDHAWIRD 80 YAWPO AVE	20 CARDINAL DR	78 CALUMET AVE	221 RAMAPO VALLEY RD	53 ACADEMY CIRCLE	149 FRANKLIN AVE	26 THACKERAY RD	31 CAYUGA AVE	173 LAKESHORE DR	22 ACADEMY CIRCLE	485 RAMAPO VLY RD	37 WILSON ST	26 FORDHAM RD	6 SIENNA WAY	28 MONHEGAN AVE	83 W SHEFFIELD ST	116 FRANKLIN AVE	75 SEMINOLE AVE	75 LAKESHORE DR	144 LAKESHORE DR
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553 1203	510	111	1199	146	1660	1013	806	1536	913	1094	1598	488	1358	1979	1887	1190	1356	1516	1788	1735	1140	1197	1621	1960	1991	1251	1043	1148	1639	987	1189	25	617	961	131	1792	197	629	142	1002	1682	1601	1838	628	1092	316	203	124

403	403	403	404	404	405	405	405	406	408	408	408	409	409	410	410	411	411	412	412	412	413	413	414	414	414	414	417	417	418	419	420	420	420	420	420	420	421	421	421	423	424	425	425	425	426	427	427	428	428	429	430	430	431
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27 OSWEGO AVE	4 STEVENS PL	106 LAKESIDE BLVD	65 OAK ST	10 WELLESLEY DR	26 TECUMSEH TRL	59 CALUMET AVE	101 RAMAPO HILLS BLVD	44 NOKOMIS AVE	93 YAWPO AVE	39 THACKERAY RD	118 SEMINOLE AVE	4 ROCKAWAY AVE	84 CALUMET AVE	316 RAMAPO VALLEY RD	105 HIAWATHA BLVD	148 LAKESHORE DR	4 CORNELL PL	40 SIOUX AVE	71 SEMINOLE AVE	46 CARDINAL DR	101 E OAK ST UNIT C-2	68 HIAWATHA BLVD	8 DOGWOOD DR	320 RAMAPO VALLEY RD	73 HIAWATHA BLVD	43 MASSASOIT TRI.	59 WALNUT ST	80 HIAWATHA BLVD	101 E OAK ST UNIT F-1	16 WELLESLEY DR	92 YAWPO AVE	101 E.OAK ST A-1	491 RAMAPO VALLEY RD	31 CALUMET AVE	185 HIAWATHA BLVD	22 ONEIDA AVE	51 YAWPO AVE	41 HIAWATHA BLVD	48 LOYOLA PL	161 LAKESHORE DR	17 OSWEGO AVE	4 HURON AVE	110 HIAWATHA BLVD	159 HIAWATHA BLVD	16 HARVARD WAY	16 PURDUE AVE	63 SEMINOLE AVE	13 MT HOLYOKE DR	14 MONHEGAN AVE	69 WALNUT ST	20 PINE CREST DR	21 SENECA AVE	13 HURON AVE
27 OSWEGO AVE	4 STEVENS PL	106 LAKESIDE BLVD.	65 OAK ST	10 WELLESLEY DR	26 TECUMSEH TRAIL	59 CALUMET AVE	101 RAM HILLS BLVD	44 NOKOMIS AVE	93 YAWPO AVE	39 THACKERAY RD	118 SEMINOLE AVE	4 ROCKAWAY AVE	84 CALUMET AVE	316 RAMAPO VLLY RD	105 HIAWATHA BLVD	148 LAKESHORE DR	4 CORNELL PL	40 SIOUX AVE	71 SEMINOLE AVE	46 CARDINAL DR	C-2 EAST OAK STREET	68 HIAWATHA BLVD	8 DOGWOOD DR	320 RAMAPO VLLY RD	73 HIAWATHA BLVD	43 MASSASOIT TR	59 WALNUT ST	80 HIAWATHA BLVD	F-1 EAST OAK STREET	16 WELLESLEY DR	92 YAWPO AVE	A-1 EAST OAK STREET	491 RAMAPO VLY RD	31 CALUMET AVE	185 HIAWATHA BLVD	22 ONEIDA AVE	51 YAWPO AVE	41 HIAWATHA BLVD	48 LOYOLA PL	161 LAKESHORE DR	17 OSWEGO AVE	4 HURON AVE	110 HIAWATHA BLVD	159 HIAWATHA BLVD	16 HARVARD WAY	16 PURDUE AVE	63 SEMINOLE AVE	13 MT HOLYOKE DR	14 MONHEGAN AVE	69 WALNUT ST	20 PINE CREST DR	21 SENECA AVE	13 HURON AVE
51	10	2	21	47	16	43	0 0 1	0 0	24	5	21	6	14	81	42	8	18	45	25	гo	42.6	4	7	83	26	9	29	თ	42,43	20	24	42.11	24	14	49	10	7	24	9	17	26	+	19	21	10	8	28	2	m	52	42	20	9
4801	4904	5011	1803	4402	4601	4801	2008	4504	3902	4301	4804	4505	4803	3903	4702	1607	4302	4507	4806	5001	3903	4801	3501	3903	4702	2002	3903	4801	3903	4402	3903	3903	4507	4602	5102	5204	3902	4601	4904	1501	4801	4505	4801	5204	4912	4401	4806	4402	5004	3903	4401	5204	4506
1223	1657	1705	346	1068	1132	476	1748	456	267	875	88	1305	1200	670	1514	122	1008	1351	311	1743	546	1098	517	687	1147	1809	644	475	700	1081	637	726	1443	1407	87	495	226	1400	1637	212	1221	1341	1424	166	1528	1275	1183	1021	1807	979	1084	1926	1363

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97 HIAWATHA BLVD	4 WENONAH AVE	12 ROBIN LN	9 PAGE DR	3 CALUMET AVE	70 HIAWATHA BLVD	34 CARDINAL DR	47 SETON HALL DR	47 THACKERAY RD	81 FRANKLIN AVE	119 HIAWATHA BLVD	187 HIAWATHA BLVD	48 HIAWATHA BLVD	7 COLUMBIA WAY	55 RAMAPO HILLS BLVD	18 ALLEN DR	107 YAWPO AVE	82 SEMINOLE AVE	130 YAWPO AVE	4 WELLESLEY DR	144 HIAWATHA BLVD	28 OSWEGO AVE	81 CALUMET AVE	79 YAWPO AVE	113 YAWPO AVE	60 YAWPO AVE	10 PURDUE AVE	21 ROCKAWAY AVE	45 ACADEMY CIR	15 WELLESLEY DR	65 WALNUT ST	39 HIAWATHA BLVD	82 YAWPO AVE	150 LAKESHORE DR	101 E OAK ST UNIT F-3	501 RAMAPO VALLEY RD	12 COLGATE RD	14 RUTGERS DR	131 LAKESIDE BLVD	44 FRANKLIN AVE	98 YAWPO AVE	35 ASPEN WAY	196 HIAWATHA BLVD	18 THACKERAY RD	44 SEMINOLE AVE	11 MT HOLYOKE DR	16 LEHIGH WAY	77 LAKESHORE DR	101 E OAK ST UNIT H-8	124 HIAWATHA BLVD	49 RUTGERS DR	135 HIAWATHA BLVD	482 RAMAPO VALLEY RD	28 LEHIGH WAY
97 HIAWATHA BLVD	4 WENDNAH AVE	12 BOBIN I ANE	9 PAGE DR	3 CALUMET AVE	70 HIAWATHA BLVD	34 CARDINAL DR	47 SETON HALL DR	47 THACKERAY RD	81 FRANKLIN AVE.	119 HIAWATHA BLVD	187 HIAWATHA BLVD	48 HIAWATHA BLVD	7 COLUMBIA WAY	55 RAMAPO HILLS BLVD	18 ALLEN DR	107 YAWPO AVE	82 SEMINOLE AVE	130 YAWPO AVE	4 WELLESLEY DR	144 HIAWATHA BLVD	20 OSWEGO AVE	81 CALUMET AVE	79 YAWPO AVE	113 YAWPO AVE	60 YAWPO AVE	10 PURDUE AVE	21 ROCKAWAY AVE	45 ACADEMY CIRCLE	15 WELLESLEY DR	65 WALNUT ST	39 HIAWATHA BLVD	82 YAWPO AVE	150 LAKESHORE DR	F-3 EAST OAK STREET	501 RAMAPO VLY RD	12 COLGATE RD	14 RUTGERS DR	131 LAKESIDE BLVD	44 FRANKLIN AVENUE	100 YAWPO AVE	35 ASPEN WAY	196 HIAWATHA BLVD	18 THACKERAY RD	44 SEMINOLE AVE	11 MT HOLYOKE DR	16 LEHIGH WAY	77 LAKESHORE DR	H-8 EAST OAK STREET	124 HIAWATHA BLVD	49 RUTGERS DR	135 HIAWATHA BLVD	482 RAMAPO VALLEY RD	28 LEHIGH WAY
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7.	1946	680	20.5	1391	1102	1717	1854	889	1065	275	1417	1410	1630	1972	206	908	1207	534	1049	113	1113	108	213	803	33	1281	1339	631	1061	632	1486	657	121	692	1303	1628	686	1720	1072	524	388	324	836	1279	1028	1600	204	691	1495	1559	1922	1451	1573

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37 SETON HALL DR 341 RAMAPO VALLEY RD 165 HIAWATHA BLVD 52 FRANKLIN AVE. 9 ROBIN LN 41 AKFSHORF DR	101 E OAK ST UNIT H-7 101 E OAK ST UNIT G-6 12 FOREST ST 71 HIAWATHA BLVD 11 DARTMOUTH WAY 32 YAWPO AVE	22 RUTGERS DR 32 THACKERAY RD 32 OSWEGO AVE 15 WILSON ST 77 HIAWATHA BLVD 71 CALUMET AVE 12 CALUMET AVE 27 MASSAOIT TRL	75 THACKERAY RD 72 MINNEHAHA BLVD 72 MONHEGAN AVE 10 PINE CREST DR 12 WELLESLEY DR 18 COLUMBIA WAY 180 HIAWATHA BLVD 141 JAKESHORE DR	141 LAKEHORE DR 49 SETON HALL DR 24 HIAWATHA BLVD 49 W OAKLAND AVE 43 DOGWOOD DR 87 W SHEFFIELD ST 12 OAK ST 523 RAMAPO VALLEY RD 105 SEMINOLE AVE 101 E OAK ST - #C-1	55 WALNUT ST 96 LAKESHORE DR 21 CARDINAL DR 65 LAKESIDE BLVD 20 PINE CREST DR 121 FRANKLIN AVE 25 FRANKLIN AVE 142 FRANKLIN AVE 142 FRANKLIN AVE 6 SENECA AVE 6 SENECA AVE 6 SENINOLE AVE 67 SEMINOLE AVE 67 SEMINOLE AVE 80 MONHEGAN AVE 101 E OAK ST UNIT G-7 481 RAMAPO VALLEY RD 86 CARDINAL DR
37 SETON HALL DR 8 OAK ST 165 HIAWATHA BLVD 52 FRANKLIN AVENUE 9 ROBIN LANE 43 § AKFEHORE DR	H-7 EAST OAK STREET G-6 EAST OAK STREET 12 FOREST ST 71 HIAWATHA BLVD 11 DARTMOUTH WAY 32 YAWPO AVE	22 RUIGERS DR 32 THACKERAY RD 32 OSWIEGO AVE 15 WILSON ST 77 HIAWATHA BLVD 71 CALUMET AVE 12 CALUMET AVE 27 MASSAOIT TR	22 MINNEHAHA BLVD 22 MINNEHAHA BLVD 72 MONHEGAN AVE 10 PINE CREST DR 12 WELLESLEY DR 18 COLUMBIA WAY 180 HJAWATHA BLVD 141 I AKEHORE DR	141 LAKESHORE DR 49 SETON HALL DR 29 HIAWATHA BLVD 49 W OAKLAND AVE 43 DOGWOOD DR 87 W. SHEFIELD ST 12 OAK ST 523 RAMAPO VLY RD 105 SEMINOLE AVE C-1 EAST OAK STREET	55 WALNUT ST 96 LAKESHORE DR 21 CARDINAL DR 65 LAKESIDE BLVD 13 THACKERAY RD 13 THACKERAY RD 121 FRANKLIN AVE 142 FRANKLIN AVE 142 FRANKLIN AVE 6 SENECA AVE 6 SENECA AVE 6 SENECA AVE 67 SEMINOLE AVE 67 SEMINOLE AVE 67 SEMINOLE AVE 67 SEMINOLE AVE 80 MONHEGAN AVE 80 MONHEGAN AVE 81 RAMAPO VLY RD 86 CARDINAL DR
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5104 1802 5204 4404 5001	3903 3903 5011 4702 4906 3903	4302 4307 4806 4303 4702 4801 5005	4301 4702 5501 4401 4402 4909 5103	1501 5104 4602 1707 3801 3903 1802 4507 4803	3903 4507 4302 4305 4305 4401 4402 4602 4702 4806 5004 5501 3903 3903
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101 E OAK ST UNIT G-8	6 CALUMET AVE	61 SEMINOLE AVE	57 SETON HALL DR	49 WALNUT ST	9 WELLESLEY DR	14 SENECA AVE	42 HIAWATHA BLVD	101 E OAK ST UNIT H-6	101 E OAK ST UNIT H-2	65 CARDINAL DR	75 RAMAPO HILLS BLVD	3 CORNELL PL	21 GERONIMO WAY	45 SETON HALL DR	8 VASSAR PL	6 HURON AVE	160 HIAWATHA BLVD	44 WILSON ST	59 CARDINAL DR	140 MANITO AVE	17 THACKERAY RD	27 SEMINOLE AVE	8 BROOK HOLLOW RD	143 FRANKLIN AVE	88 HIAWATHA BLVD	77 SEMINOLE AVE	5 TUSCARORA DR	10 SIENNA WAY	146 LONG HILL RD	74 W SHEFFIELD ST	40 RUTGERS DR	105 THACKERAY RD	60 RUTGERS DR	64 LAKESHORE DR	107 HIAWATHA BLVD	42 CARDINAL DR	26 MONHEGAN AVE	3 SHEFFIELD ST	51 ALLEN DR	14 PURDUE AVE	43 MONHEGAN AVE	205 HIAWATHA BLVD	188 HIAWATHA BLVD	40 SEMINOLE AVE	37 OSWEGO AVE	21 FORDHAM RD	131 MANITO AVE	17 COLUMBIA WAY	64 ACADEMY CIR	19 SETON HALL DR	8 CALUMET AVE	20 CAYUGA AVE	79 MINNEHAHA BLVD
G-8 EAST OAK STREET	6 CALUMET AVE	61 SEMINOLE AVE	57 SETON HALL DR	49 WALNUT ST	9 WELLESLEY DR	14 SENECA AVE	42 HIAWATHA BLVD	H-6 EAST OAK STREET	H-2 EAST OAK STREET	65 CARDINAL DR	75 RAMAPO HILLS BLVD	3 CORNELL PL	21 GERONIMO WAY	45 SETON HALL DR	8 VASSAR PL	6 HURON AVE	160 HIAWATHA BLVD	44 WILSON ST	59 CARDINAL DR	140 MANITO AVE	17 THACKERAY RD	27 SEMINOLE AVE	8 BROOK HOLLOW	143 FRANKLIN AVE	88 HIAWATHA BLVD	77 SEMINOLE AVE	5 TUSCARORA DR	10 SIENNA WAY	146 LONG HILL RD	74 W SHEFFIELD ST	40 RUTGERS DR	105 THACKERAY RD	60 RUTGERS DR	64 LAKESHORE DR	107 HIAWATHA BLVD	42 CARDINAL DR	26 MONHEGAN AVE	3 SHEFFIELD ST	51 ALLEN DR	14 PURDUE AVE	43 MONHEGAN AVE	205 HIAWATHA BLVD	188 HIAWATHA BLVD	40 SEMINOLE AVE	37 OSWEGO AVE	21 FORDHAM RD	131 MANITO AVE	17 COLUMBIA WAY	64 ACADEMY CIRCLE	19 SETON HALL DR	8 CALUMET AVE	20 CAYUGA AVE	79 MINNEHAHA BI.VD
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3903	4806	4806	5002	3903	4403	4702	4602	3903	3903	5002	5004	2005	2002	5104	4402	4505	4804	2005	2005	2002	4305	4602	4301	4302	4801	4806	5004	4910	3001	3904	4302	4305	5005	4504	4702	2001	2004	3703	4305	4401	5101	5102	5103	4401	4803	4904	5501	4908	3905	5103	4806	5004	4701
570	1327	1181	1899	269	1044	780	1485	681	999	1751	492	1733	1955	1855	1042	1343	1418	1738	483	1835	832	1396	917	296	96	320	1817	1591	443	623	1004	831	491	1348	1517	1732	1832	520	898	264	1911	330	331	268	1230	1678	1905	148	909	1893	1329	1828	1324

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21 BARNARD DR	34 BUTGEDS DD	23 LOYOLA PI	224 HIAWATHA BLVD	519 RAMAPO VALLEY RD	502 RAMAPO VALLEY RD	62 RUTGERS DR	33 LAKESHORE DR	14 CONESTOGA CT	16 WENONAH AVE	189 LAKESHORE DR	17 GERONIMO WAY	216 HIAWATHA BLVD	6 ACADEMY CIR	8 HIAWATHA BLVD	130 FRANKLIN AVE	20 HIAWATHA BLVD	225 HIAWATHA BLVD	182 YAWPO AVE	101 E OAK ST UNIT 1-5	89 THACKERAY RD	15 OSWEGO AVE	13 MASSASOIT TRL	35 OAK ST	50 W SHEFFIELD ST	6 RARITAN RD	531 RAMAPO VALLEY RD	153 LAKESHORE DR	16 PINE CREST DR	25 BARNARD DR	121 SEMINOLE AVE	19 RUTGERS DR	17 RUTGERS DR	19 MONHEGAN AVE	259 RAMAPO VALLEY RD	55 LAKESHURE DR	32 LOYOLA PL	12 HARVARD WAY	142 LAKESIDE BLVD	54 ACADEMY CIR	526 RAMAPO VALLEY RD	78 HIAWATHA BLVD	183 LAKESIDE BLVD	261 RAMAPO VALLEY RD	183 HIAWATHA BLVD	52 PRINCETON TER	497 RAMAPO VALLEY RD	182 FRANKLIN AVE	20 BARNARD DR	14 TECUMSEH TRE	78 MINNEHAHA BLVD	29 PRINCETON TER	4 ITHACA PL
21 BARNARD DR 47 WAINHT ST	an season of	24 NO 18ENS DN 23 I OYOI & PI	224 HIAWATHA BLVD	519 RAMAPO VLY RD	502 RAMAPO VALLEY RD	62 RUTGERS DR	33 LAKESHORE DR	14 CONESTOGA CT	16 WENONAH AVE	189 LAKESHORE DR	17 GERONIMO WAY	216 HIAWATHA BLVD	6 ACADEMY CIRCLE	8 HIAWATHA BLVD.	130 FRANKLIN AVE	20 HIAWATHA BLVD	225 HIAWATHA BLVD	182 YAWPO AVE	I-5 EAST OAK STREET	89 THACKERAY RD	15 OSWEGO AVE	13 MASSASOIT TR	35 OAK ST	50 W SHEFFIELD ST	6 RARITAN RD	531 RAMAPO VLY RD	153 LAKESHORE DR	16 PINE CREST DR	25 BARNARD DR	121 SEMINOLE AVE	19 RUTGERS DR	17 RUTGERS DR	19 MONHEGAN AVE	259 RAMAPO VALLEY RD	55 LAKESHURE DR	32 LOYOLA PL	12 HARVARD WAY	142 LAKESIDE BLVD	54 ACADEMY CIRCLE	526 RAMAPO VALLEY RD	78 HIAWATHA BLVD	183 LAKESIDE BLVD	261 RAMAPO VALLEY RD	183 HIAWATHA BLVD	52 PRINCETON TERR	497 RAMAPO VLY RD	182 FRANKLIN AVE	20 BARNARD DR	14 TECUMSEH TRAIL	78 MINNEHAHA BLVD	29 PRINCETON TERR	4 ITHACA PL
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4402	4200	4502	5104	4507	4601	2005	1501	2002	5204	1501	2002	5104	3904	4401	4402	4602	5102	3703	3903	4305	4801	5004	1803	3904	4004	4507	1501	4401	4402	4803	4912	4912	5104	1901	1501	4903	4912	2009	3905	4601	4801	5004	1901	5102	4907	4507	4301	4403	4601	4702	4903	5104
1014	27.0	1599	1867	1355	1483	1687	217	1763	1979	186	1762	1873	899	1276	1078	1461	1883	203	704	865	1218	851	345	099	292	1369	224	1257	1017	1187	1525	1527	1861	367	187	1608	1534	1729	610	1136	470	1965	369	1919	1677	1450	976	1025	1412	466	151	1874

541	542	543	543	544	544	544	545	545	545	545	546	546	546	547	547	547	547	547	548	549	549	550	550	550	250	220	250	551	551	551	553	553	555	556	557	558	529	260	260	260	260	290	561	563	563	292	292	265	265	266	266	266	266
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
6 MOUNTAIN LAKES RD	70 MINNEHAHA BLVD	14 COLUMBIA WAY	13 CAYUGA AVE	14 ASPEN WAY	10 ROCKAWAY AVE	12 PRINCETON TERR	53 WALNUT ST	124 SEMINOLE AVE	54 SETON HALL DR	18 ONEIDA AVE	149 LONG HILL RD	48 MINNEHAHA BLVD	17 RAMAPO HILLS BLVD	145 LAKESHORE DR	20 PAGE DR	71 W SHEFFIELD ST	90 THACKERAY RD	17 ROCKAWAY AVE	34 ACADEMY CIR	98 SEMINOLE AVE	8 PRINCETON TER	163 LAKESHORE DR	50 ACADEMY CIR	38 HIAWATHA BLVD	16 MINNEHAHA BLVD	3 MASSASOIT TRL	28 TUSCARORA DR	102 SEMINOLE AVE	8 DARTMOUTH WAY	11 ITHACA PL	16 BROOK HOLLOW RD	110 SEMINOLE AVE	9 COLUMBIA WAY	24 OSWEGO AVE	132 HIAWATHA BLVD	197 HIAWATHA BLVD	28 HIAWATHA BLVD	15 BARNARD DR	13 HIAWATHA BLVD	114 SEMINOLE AVE	15 COLUMBIA WAY	26 COLGATE RD	134 FRANKLIN AVE	28 ALLEN DR	16 SEMINOLE AVE	15 HEMLOCK ST	8 ROBIN I.N	206 FRANKLIN AVE	45 LOYOLA PL	167 LAKESHORE DR	36 YAWPO AVE	8 HURON AVE	19 FORDHAM RD
6 MOUNTAIN LAKES ROAD	70 MINNEHAHA BLVD	14 COLUMBIA WAY	13 CAYUGA AVE	14 ASPEN WAY	10 ROCKAWAY AVE	12 PRINCETON TERR	53 WALNUT ST	124 SEMINOLE AVE	54 SETON HALL DR	18 ONEIDA AVE	266 RAMAPO VLLY RD	48 MINNEHAHA BLVD	17 RAMAPO HILES BLVD	145 LAKESHORE DR	20 PAGE DRIVE	71 W SHEFFIELD ST	90 THACKERAY RD	17 ROCKAWAY AVE	34 ACADEMY CIRCLE	98 SEMINOLE AVE	8 PRINCETON TERR	163 LAKESHORE DR	50 ACADEMY CIRCLE	38 HIAWATHA BLVD	16 MINNEHAHA BLVD	3 MASSASOIT TR	28 TUSCARORA DR	102 SEMINOLE AVE	8 DARTMOUTH WAY	11 ITHACA PL	16 BROOK HOLLOW	110 SEMINOLE AVE	9 COLUMBIA WAY	24 OSWEGO AVE	132 HIAWATHA BLVD	197 HIAWATHA BLVD	28 HIAWATHA BLVD	20 PURDUE AVE	13 HIAWATHA BLVD	114 SEMINOLE AVE	15 COLUMBIA WAY	26 COLGATE RD	134 FRANKLIN AVE	28 ALLEN DR	16 SEMINOLE AVENUE	15 HEMLOCK ST	8 ROBIN LANE	206 FRANKLIN AVE	45 LOYOLA PL	167 LAKESHORE DR	36 YAWPO AVE	8 HURON AVE	19 FORDHAM RD
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5204	4702	4909	5005	1901	4505	4912	3903	4804	5003	5204	3801	4702	5004	1501	3903	3903	4306	4504	3903	4804	4912	1501	3905	4602	4702	5004	5004	4804	4905	5103	4301	4804	4908	4602	4801	5102	4602	4401	4601	4904	4908	5002	4402	4301	4401	2302	4303	4304	4902	1501	3903	4505	4904
168	279	1612	1833	380	1309	1544	929	100	1958	200	539	1506	1776	227	616	647	133	1315	638	1097	1532	209	615	1481	1146	860	1953	1104	1650	1889	905	472	1627	1110	1497	1912	1472	1269	1392	1692	158	1967	1073	895	1277	28	366	905	153	205	733	1347	1675

566	267	268	570	570	270	570	570	570	571	572	572	572	573	574	574	575	575	277	578	578	578	579	579	579	280	280	280	280	280	280	582	582	583	583	583	900	284	700	784	200	200	000	700	787	000	288	290	290	290	290	591	265	592
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	CANLAND N	OAKLAND NJ	CARLAND NJ	OAKLAND NJ	OAKLAND NI	CANCALO NO	CARLAIND IN	OAKLAIND IN	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
222 HIAWATHA BLVD	57 LAKESHORE DR	12 HEMLOCK ST	147 LAKESHORE DR	474 RAMAPO VALLEY RD	12 LOYOLA PL	16 MASSASOIT TRL	145 MANITO AVE	115 MANITO AVE	23 SIOUX AVE	90 YAWPO AVE	171 LAKESIDE BLVD	121 MANITO AVE	82 HIAWATHA BLVD	19 ASPEN WAY	101 E OAK ST UNIT G-5	15 EAST OAK ST	56 MINNEHAHA BLVD	7 SIOUX AVE	5 MT HOLYOKE DR	33 SIOUX AVE	34 MONHEGAN AVE	513 RAMAPO VALLEY RD	45 SEMINOLE AVE	121 RAMAPO HILLS BLVD	75 W SHEFFIELD ST	101 MCCOY RD	43 THACKERY RD	18 RUTGERS RD	18 SIENNA WAY	212 HIAWATHA BLVD	35 MINNEHAHA BLVD	131 SEMINOLE AVE	9 OSWEGO AVE	41 CARDINAL DR	100 LAKESIDE BLVD	119 YAWPU AVE	51 CALUME! AVE	86 SEMINOLE AVE	89 MANIFO AVE	142 LAKESHURE UK	SO IVENINE HALL BLVD	17 FOREST ST	35 BUTTERNUTT CI	31 SEION HALL DK	48 CALUME! AVE	36 LEHIGH WAY	75 HIAWATHA BLVD	76 HIAWATHA BLVD	27 LOYOLA PL	24 COLGATE RD	23 CAYUGA AVE	66 YAWPO AVE	53 CALUMET AVE
222 HIAWATHA BLVD	57 LAKESHORE DR	12 HEMLOCK ST	147 LAKESHORE DR	474 RAMAPO VALLEY RD	12 LOYOLA PL	16 MASSASOIT TR	145 MANITO AVE	115 MANITO AVE	23 SIOUX AVE	90 YAWPO AVE	171 LAKESIDE BLVD	121 MANITO AVE	82 HIAWATHA BLVD	19 ASPEN WAY	G-5 EAST OAK STREET	15 EAST OAK ST	56 MINNEHAHA BLVD	7 SIOUX AVE	5 MT HOLYOKE DR	33 SIOUX AVE	34 MONHEGAN AVE	513 RAMAPO VLY RD	45 SEMINOLE AVE	121 RAM HILLS BLVD	75 W SHEFFIELD ST	101 MCCOY RD	43 THACKERAY RD	18 RUTGERS DR	18 SIENNA WAY	212 HIAWATHA BLVD	35 MINNEHAHA BLVD	131 SEMINOLE AVE	9 OSWEGO AVE	41 CARDINAL DR	100 LAKESIDE BLVD.	119 YAWPO AVE	51 CALUMET AVE	86 SEMINOLE AVE	89 MANITO AVE	142 LAKESHORE DR	SO IVIIIVINERAMA BLVD	1/ FURESI SI	35 BULLERNUL COURT	31 SETON HALL DR	48 CALUMEI AVE	36 LEHIGH WAY	75 HIAWATHA BLVD	76 HIAWATHA BLVD	27 LOYOLA PL	24 COLGATE RD	23 CAYUGA AVE	66 YAWPO AVE	53 CALUMET AVE
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1869	189	409	225	1386	1563	1831	1903	1908	1447	641	1684	1907	481	376	583	679	1515	1286	1050	1317	855	1345	1326	1736	640	790	882	984	1574	1877	1172	1201	1216	1745	1699	200	1103	1214	1980	125	//7	1709	565	1870	1100	1561	1149	1239	1610	155	1810	689	1235

593	593	593	593	594	594	595	595	595	296	598	299	009	009	009	909	601	601	601	602	604	909	909	909	909	209	209	609	609	610	610	610	610	611	611	613	612	612	612	614	614	614	615	616	616	617	617	618	619	619	620	620	620
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	CARLAND	OAKLANDNI	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKI AND NJ	OAKLAND NJ
158 LAKESHORE DR	486 RAMAPO VALLEY RD	26 PRINCETON TERR	42 MASSASOIT TRAIL	128 HIAWATHA BLVD	35 MONHEGAN AVE	487 RAMAPO VALLEY RD	65 CALUMET AVE	1 GERONIMO WAY	40 ALLEN DR	15 TECUMSEH TRL	96 FRANKLIN AVE	10 OSWEGO AVE	19 SIENNA WAY	9 KIOWA TERR	92 MINNEHAHA BLVD	101 E OAK ST UNIT F-6	7 CARDINAL DR	77 CALUMET AVE	112 FRANKLIN AVE	10 ACADEMY CIR	12 TUSCARORA DR	4 BAILEY AVE	134 BREAKNECK RD	101 SEMINOLE AVE	59 YAWPO AVE	21 MONHEGAN AVE	5 SIOUX AVE	PO BOX 373	15 WHITTIER LN	78 SEMINOLE AVE	16 COLGATE RD	217 HIAWATHA BLVD	78 THACKERAY RD	5 COLGATE RD	120 LAKESIDE BLVU	64 MINNEHAMA BLVD	115 HIAWATHA BIVD	48 CHEROKEE TRAIL	5 THACKERAY RD	33 RUTGERS DR	88 MINNEHAHA BLVD	213 HIAWATHA BLVD	42 ACADEMY CIRCLE	8 YUMA CT	39 BUTTERNUT CT	23 CALUMET AVE	86 YAWPO AVE	63 YAWPO AVE	17 CARDINAL DR	18 ACADEMY CIR	11 BROOK HOLLOW RD	31 BARNARD DR
158 LAKESHORE DR	486 RAMAPO VALLY RD.	26 PRINCETON TERR	42 MASSASOIT TR	128 HIAWATHA BLVD	35 MONHEGAN AVE	487 RAMAPO VLY RD	65 CALUMET AVE	1 GERONIMO WAY	40 ALLEN DR	15 TECUMSEH TRAIL	96 FRANKLIN AVE	10 OSWEGO AVE	19 SIENNA WAY	9 KIOWA TERR	92 MINNEHAHA BLVD	F-6 EAST OAK STREET	7 CARDINAL DR	77 CALUMET AVE	112 FRANKLIN AVE	10 ACADEMY CIRCLE	12 TUSCARORA DR	4 BAILEY AVE	290 RAMAPO VILY RD	101 SEMINOLE AVE	59 YAWPO AVE	21 MONHEGAN AVE	521 RAMAPO VLY RD	207 HIAWATHA BOULEVARD	15 WHITTIER LANE	78 SEMINOLE AVE	16 COLGATE RD	217 HIAWATHA BLVD	78 THACKERAY RD	5 COLGATE RD	120 LAKESIDE BLVD	64 MINNELLAHA BIYO	115 HIAMATHA BIVD	59 SETON HALL DR	5 THACKERAY RD	33 RUTGERS DR	88 MINNEHAHA BLVD	213 HIAWATHA BLVD	42 ACADEMY CIRCLE	8 YUMA CT	39 BUTTERNUT COURT	23 CALUMET AVE	86 YAWPO AVE	63 YAWPO AVE	17 CARDINAL DR	18 ACADEMY CIRCLE	11 BROOK HOLLOW	31 BARNARD DR
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1607	4601	4910	2007	4801	5102	4507	4801	2002	4301	4601	4402	4602	4909	5004	5204	3903	4302	4801	4402	3903	2004	1901	3801	4803	3902	5104	4507	5102	4306	4804	4908	5102	4306	4907	5010	5055	4707	2002	4305	4912	5204	5102	3905	5501	1901	4602	3903	3902	4302	3903	4301	4402
285	1460	1597	1794	1498	1886	847	101	1800	892	1125	1077	1118	1593	1813	497	683	954	1204	1249	693	1779	1	299	471	731	1864	1360	328	871	315	161	1890	870	1659	1/13	06.7	77.0	1976	823	1526	1941	322	622	1987	1997	1479	649	717	066	286	914	1024

620	620	621	621	622	623	623	624	624	624	624	624	625	979	626	626	628	629	629	629	630	632	632	634	634	634	636	929	637	638	640	641	642	643	643	644	644	644	644	646	646	647	649	649	649	650	650	650	650	650	651	652	653	653
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
7 HARVARD WAY	192 HIAWATHA BLVD	73 FRANKLIN AVE	69 HIAWATHA BLVD	13 MOUNTAIN LAKES RD	39 OSWEGO AVE	23 PRINCETON TERR	112 SEMINOLE AVE	13 FORDHAM RD	7 DARTMOUTH WAY	39 RAMAPO HILLS BLVD	27 TUSCARORA DR	6 MOUNTAIN LAKES RD	124 FRANKLIN AVE	72 MINNEHAHA BLVD	6 HOBART PL	66 RUTGERS DR	16 RUTGERS DR	9 VASSAR PL	6 KIOWA TERR	15 MONHEGAN AVE	PO BOX 334	14 CAYUGA AVE	41 SIOUX AVE	10 COLGATE RD	48 MONHEGAN AVE	11 CARDINAL DR	51 FRANKLIN AVE	15 ROCKAWAY AVE	42 SIOUX AVE	60 SEMINOLE AVE	143 RAMAPO VALLEY RD	79 THACKERAY RD	40 YAWPO AVE	12 COLUMBIA WAY	59 W OAKLAND AVE	121 YAWPO AVE	522 RAMAPO VALLEY RD	76 MONHEGAN AVE	22 OAK ST	38 PAGE DR	69 LAKESHORE DR	94 YAWPO AVE	23 ROCKAWAY AVE	5 ROCKAWAY AVE	71 LAKESHORE DR	49 HIAWATHA BLVD	13 COLUMBIA WAY	221 HIAWATHA BLVD	13 IROQUOIS AVE	55 PRINCETON TER	94 LAKESIDE BLVD	126 FRANKLIN AVE	162 HIAWATHA BLVD
7 HARVARD WAY	192 HIAWATHA BLVD	73 FRANKLIN AVE	69 HIAWATHA BLVD	13 MOUNTAIN LAKES ROAD	39 OSWEGO AVE	23 PRINCETON TERR	112 SEMINOLE AVE	13 FORDHAM RD	7 DARTMOUTH WAY	39 RAMAPO HILLS BLVD	27 TUSCARORA DR	58 MINNEHAHA BLVD	124 FRANKLIN AVE	72 MINNEHAHA BLVD	6 HOBART PL	66 RUTGERS DR	16 RUTGERS DR	9 VASSAR PL	6 KIOWA TERR	15 MONHEGAN AVE	14 SIOUX AVE	14 CAYUGA AVE	41 SIOUX AVE	10 COLGATE RD	48 MONHEGAN AVE	11 CARDINAL DRIVE	51 FRANKLIN AVE	15 ROCKAWAY AVE	42 SIOUX AVE	60 SEMINOLE AVE	143 RAMAPO VALLEY RD	79 THACKERAY RD	40 YAWPO AVE.	12 COLUMBIA WAY	59 WEST OAKLAND AVE	121 YAWPO AVE	522 RAMAPO VALLEY RD	76 MONHEGAN AVE	22 OAK ST	38 PAGE DR	69 LAKESHORE DR	94 YAWPO AVE	23 ROCKAWAY AVE	5 ROCKAWAY AVE	71 LAKESHORE DR	49 HIAWATHA BLVD	13 COLUMBIA WAY	221 HIAWATHA BLVD	13 IROQUOIS AVE	55 PRINCETON TERR	94 LAKESIDE BLVD	126 FRANKLIN AVE	162 HIAWATHA BLVD
16	10	13	28	33	41	17	18	11	∞	74	12	21	39	27	2	10	4	11	49	15	32	24	4	9	14	23	17	17	46	ĽΩ	œ	14	₫	7	m	11	56	6	15	15	51	25	13	22	20	20	14	31	15	7	30	40	32
4911	5103	4401	4702	5204	4803	4903	4804	4904	4906	5004	2006	4702	4402	4702	5003	2005	4302	4403	5004	5104	4507	5004	4505	4908	5004	4302	4401	4504	4507	4805	2401	4301	3903	4909	1801	4101	4601	5501	1802	3905	1501	3903	4504	4504	1501	4601	4908	5102	5204	4906	5002	4402	4804
1551	327	1056	1142	1931	1227	1592	477	1656	1661	1952	1764	1518	1085	281	1799	1970	986	1033	1819	1856	141	848	1357	1635	1845	993	1.083	1308	1354	116	425	888	228	1616	432	799	1129	1992	76	602	198	634	1344	1448	200	1111	1620	1885	1930	1672	1750	1082	1420

655	655	655	929	657	658	658	658	629	629	629	629	099	099	099	099	099	693	663	999	899	699	699	699	670	671	671	671	672	674	675	675	677	677	//9	7/0	7/0	9/9	089	089	089	681	682	682	682	682	684	684	982	982	685	989	989
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	CANLAND NO	OAKLAND NJ	OAKLAND NE	OAKLAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
21 ALLEN DR	13 CALUMET AVE	44 TUSCARORA DR	34 OAK ST	14 WELLESLEY DR	117 LAKESHORE DR	89 YAWPO AVE	506 RAMAPO VALLEY RD	99 LAKESHORE DR	110 LAKESHORE DR	11 EAST OAK ST	17 MONHEGAN AVE	3 WHITTER LN	88 LAKESHORE DR	6 HARVARD WAY	40 TUSCARORA DR	101 MANITO AVE	160 LAKESHORE DR	101 E OAK ST UNIT D-1	68 MINNEHAHA BLVD	11 HARVARD WAY	146 LAKESHORE DR	163 HIAWATHA BLVD	8 MOUNTAIN LAKES RD	42 HEMLOCK ST	16 ROCKAWAY AVE	50 PRINCETON TERR	10 CONESTOGA CT	99 FRANKLIN AVE	74 THACKERAY RD	8 PINE CREST DR	11 SIOUX AVE	60 ACADEMY CIRCLE	24 MINNEHAHA BLVD	19 COLGATE RD	I/ COLGATE RD	135 CANESIDE BLVD	114 I AKECHOBE DE	92 SEMINOLE AVE	50 SETON HALL DR	199 HIAWATHA BLVD	27 CAYUGA AVE	70 YAWPO AVE	24 ACADEMY CIR	2 TECUMSEH TRL	478 RAMAPO VALLEY RD	51 LAKESHORE DR	62 YAWPO AVE	85 LAKESHORE DR	174 FRANKLIN AVE	33 COLGATE RD	87 CARDINAL DR	21 COLGATE RD
21 ALLEN DR	13 CALUMET AVE	44 TUSCARORA DR	34 OAK ST	14 WELLESLEY DR	117 LAKESHORE DR.	89 YAWPO AVE	506 RAMAPO VALLEY RD	99 LAKESHORE DR	110 LAKESHORE DR	11 EAST OAK STREET	17 MONHEGAN AVE	3 WHITTER LANE	88 LAKESHORE DR	6 HARVARD WAY	40 TUSCARORA DR	101 MANITO AVE	160 LAKESHORE DR	D-1 EAST OAK STREET	68 MINNEHAHA BLVD	11 HARVARD WAY	146 LAKESHORE DR	163 HIAWATHA BLVD	8 MOUNTAIN LAKES ROAD	42 HEMLOCK ST	16 ROCKAWAY AVE	50 PRINCETON TERR	10 CONESTOGA CT	99 FRANKLIN AVE	74 THACKERAY RD	8 PINE CREST DR	11 SIOUX AVE	60 ACADEMY CIRCLE	24 MINNEHAHA BLVD	19 COLGATE RD	I/ COLGA E RU	186 LAKESIDE BLVD	111 AMESHORE DE	92 SEMINOLE AVE	SO SETON HALL DR	199 HIAWATHA BLVD	27 CAYUGA AVE	70 YAWPO AVE	24 ACADEMY CIRCLE	2 TECUMSEH TRAIL	478 RAMAPO VALLEY RD	51 LAKESHORE DR	62 YAWPO AVE	85 LAKESHORE DR	174 FRANKLIN AVE.	33 COLGATE RD	87 CARDINAL DR	21 COLGATE RD
2	22	63	19	49	33	22	52	39	17	87	14	18	m	ស	62	43	m	42.54	25	14	6			23	13	14	o	œ	īŪ	47	28	7	7	17	81 °	m ;	10	£ 1	1 12	42	4	13	49	10	42	56	თ	44	30	16	15	16
4304	4602	5004	1802	4402	1501	3902	4601	1501	1502	3903	5104	4306	4507	4912	5004	5501	1607	3903	4702	4911	1607	5204	5204	2301	4505	4907	2002	4401	4306	4401	4504	3905	4702	2003	5003	2002	4004	4804	5003	5102	2006	3903	3903	4601	4601	1501	3903	1501	4301	5005	4303	5003
901	1463	1969	354	1075	7	578	1399	223	239	869	1859	882	1377	1541	1973	1192	284	725	276	1547	123	170	176	79	1335	1674	1774	1255	874	1268	1430	605	1156	1759	1767	1683	א ה	1220	1765	1909	1801	671	651	1480	1395	184	703	210	934	1898	991	1954

289	687	687	687	688	069	060	690	260	694	694	969	969	269	869	869	669	669	669	669	700	200	701	707	703	703	705	706	707	708	709	709	709	710	710	710	711	717	713	714	715	715	715	715	717	717	718	718	718	718	719
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKI AND N	OAKLAND N	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKI AND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND N	OAKLAND N3	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAK! AND NI	OAKI AND NE	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
66 W SHEFFIELD ST	70 THACKERAY RD	17 BARNARD DR	46 CALUMET AVE	4 LOYOLA PL	44 LAKESHORE DR	14 USWEED AVE	87 CALUIVIEL AVE	99 SEMINOLE AVE	67 FRANKLIN AVE	40 MINNEHAHA BLVD	89 LAKESHORE DR	103 HIAWATHA BLVD	57 ACADEMY CIR	76 YAWPO AVE	78 FRANKLIN AVE	141 FRANKLIN AVE	10 YALE WAY	47 MONHEGAN AVE	27 SETON HALL DR	25 FORDHAM RD	218 HIAWATHA BLVD	28 PAGE DR	153 YAWPO AVE	51 HIAWATHA BLVD	8 HOBAKI PL 18 GERONIMO WAY	32 RITGERS DR	37 BEECH ST	17 PRINCETON TERB	53 HIAWATHA BLVD	112 LAKESHORE DR	53 YAWPO AVE	29 MINNEHAHA BLVD	30 OAK ST	267 RAMAPO VALLEY RD	70 W SHEFFIELD ST	8 OSWEGO AVE.	95 SEMIOLE AVE	52 LOYOLA PL	72 SEMINOLE AVE	73 SEWINGLE AVE 128 I AKESHOBE DR	270 BAMAPO VALLEY BD	34 SIOUX AVE	38 MINNEHAHA BLVD	54 YAWPO AVE	PO BOX 373	45 FRANKLIN AVE	97 SEMINOLE AVE	124 MANITO AVE	39 MASSASOIT TRL	23 ASPEN WAY
66 W SHEFFIELD ST	70 THACKERAY RD	17 BARNARD DR	46 CALUMET AVE	4 LOYOLA PL	44 LAKESHORE DR	14 USWEGU AVE	87 CALUMEI AVE	9 CENCIAINO VALI	67 FRANKIN AVE	40 MINNEHAHA BLVD	19 ROCKAWAY AVE	103 HIAWATHA BLVD	57 ACADEMY CIRCLE	76 YAWPO AVE	78 FRANKLIN AVE.	141 FRANKLIN AVE	10 YALE WAY	47 MONHEGAN AVE	27 SETON HALL DR	25 FORDHAM ROAD	218 HIAWATHA BLVD	28 PAGE DR	153 YAWPO AVE	51 HIAWATHA BLVD	8 HOBART PL	32 RITGERS DR	37 BFFCH ST	17 PRINCETON TERR	53 HIAWATHA BLVD	112 LAKESHORE DR	53 YAWPO AVE	29 MINNEHAHA BLVD	30 OAK ST	267 RAMAPO VALLEY RD	70 W SHEFFIELD ST	8 OSWEGO AVE	95 SEMINOLE AVE	52 LUYOLA PL	55 SEINBINGLE AVE	7.3 SEIVIIINUEE AVE	270 BAMAPO VALLEY BD	34 SIOUX AVE	38 MINNEHAHA BLVD	54 YAWPO AVE	50 MONHEGAN AVE.	45 FRANKLIN AVE	97 SEMINOLE AVE	124 MANITO AVE	39 MASSASOIT TR	23 ASPEN WAY
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719	719	720	720	720	722	722	724	724	724	724	726	726	726	727	728	729	730	730	731	733	/33	734	735	725	736	737	737	738	738	738	738	738	740	740	740	740	740	/41	74%	777	745	746	747	747	747	747	749	750	751	751	752
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	CANCAINDIN	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	IN ONALIANO	OAKLAND NJ	OAKLAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	CARLANDIN	N CARLANCO	OAKI AND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
166 YAWPO AVE	36 PAGE DR	125 LAKESHORE DR	42 RUTGERS DR	35 MASSASOIT TRL	46 LAKESHORE DR	125 MANITO AVE	27 CALUMET AVE	31 SEMINOLE AVE	76 SEMINOLE AVE	74 CARDINAL DR	79 LAKESHORE DR	53 PRINCETON TER	96 MANITO AVE	136 MANITO AVE	94 W SHEFFIELD ST	155 FRANKLIN AVE	24 ONEIDA AVE	68 MONHEGAN AVE	13 ROCKAWAY AVE	103 YAWPU AVE	TIT SEIMINOLE AVE	32 SEIVIINOLE AVE	26 USWEGO AVE	28 MININERARY BLVD	13 BOBIN IN	91 YAWPO AVE	116 SEMINOLE AVE	14 MT HOLYOKE DR	101 HIAWATHA BLVD	116 HIAWATHA BLVD	88 SEMINOLE AVE	190 LAKESIDE BLVD	22 THACKERAY RD	535 RAMAPO VALLEY RD	20 MINNEHAHA BLVD	126 HIAWATHA BLVD	19 OSWEGO AVE	48 LAKESHORE DR	80 I AVECHORE DR	10 BAILEY AVE	25 CARDINAL DR	9 DARTMOUTH WAY	2 SPRUCE ST	34 SEMINOLE AVE	6 COLGATE RD	17 SENECA AVE	42 MONHEGAN AVE	49 SEMINOLE AVE	31 WHITTIER IN	9 PRINCETON TERR	78 YAWPO AVE
166 YAWPO AVE	36 PAGE DR	125 LAKESHORE DR	42 RUTGERS OR	35 MASSASOIT TR	46 LAKESHORE DR	125 MANITO AVE	27 CALUMET AVE	31 SEMINOLE AVE	76 SEMINOLE AVE	74 CARDINAL DR	79 LAKESHORE DR	53 PRINCETON TERR	96 MANIEU AVE	136 MANITO AVE	94 W. SHEFFIELD ST.	155 FRANKLIN AVE	24 ONEIDA AVE	68 MONHEGAN AVE	13 ROCKAWAY AVE	103 TAWFO AVE	22 CTT SEIVINGLE AVE	32 SEMINOLE AVE	26 USWEGO AVE	26 IVIIVIERANA BLVD	13 BOBIN I ANE	91 YAWPO AVE	116 SEMINOLE AVE	14 MT HOLYOKE DR	101 HIAWATHA BLVD	116 HIAWATHA BLVD	88 SEMINOLE AVE	190 LAKESIDE BLVD	22 THACKERAY RD	535 RAM VALLEY RD	20 MINNEHAHA BLVD	126 HIAWATHA BLVD	19 OSWEGO AVE	48 LAKESHORE DR	40 SETON FALL DR	10 BAILEY AVE	25 CARDINAL DR	9 DARTMOUTH WAY	2 SPRUCE STREET	34 SEMINOLE AVE	6 COLGATE RD	17 SENECA AVE	42 MONHEGAN AVE	49 SEMINOLE AVE	31 WHITTIER LANE	9 PRINCETON TERR	78 YAWPO AVE
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3703	3905	1501	4302	2002	4503	5501	4602	4602	4804	5001	1501	4906	5004	2002	3905	4302	5204	5501	4504	4101	4603	4401	4007	5207	5001	3902	4804	4403	4702	4801	4804	2008	4307	4507	4702	4801	4801	4503	2003	2301	4302	4906	2302	4401	4908	5204	5004	4806	4306	4901	3903
505	603	12	1007	1820	1440	1906	1487	1394	312	1731	506	1669	1849	820	611	955	1945	1985	1302	20 S	9 5	4400	1161	501	1704	571	1242	1027	1510	1492	1215	1752	842	1376	1150	1496	1228	1444	211	77	1003	1658	404	261	1646	1933	1841	<i>L</i> 9	837	1538	268

	753	753	754	756	756	756	756	758	758	758	758	290	160	761	762	763	763	765	99/	766	767	769	769	771	771	772	774	774	775	776	777	777	TTT.	780	780	780	782	783	783	784	784	785	786	786	787	788	789	790	790	790	790	790	791
	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
	30 SEMINOLE AVE	164 HIAWATHA BLVD	54 THACKERAY RD	8 BARBARA LN	17 HIGH MTN RD	112 HIAWATHA BLVD	27 RUTGERS DR	113 LAKESHORE DR	211 RAMAPO VALLEY RD	14 SIENNA WAY	108 MANITO AVE	9 BROOK HOLLOW RD	5 MASSASOIT TRE	111 RAMAPO HILE BLVD	101 € OAK ST #1-6	29 BAILEY AVE	37 THACKERAY RD	26 WHITTIER LANE	47 ALLEN DR	67 CARDINAL DR	74 MINNEHAHA BLVD	100 FRANKLIN AVE	50 SEMINOLE AVE	80 LAKESHORE DR	62 SEMINOLE AVE	27 MONHEGAN AVE	65 MINNEHAHA BLVD	37 MONHEGAN AVE	8 MASSASOIT TRL	4 CROSBY LN	58 W SHEFFIELD ST	70 LAKESHORE DR	68 LOYOLA PL	54 RUTGERS DR	24 TUSCARORA DR	177 HIAWATHA BLVD	6 VASSAR PL	55 LAKESIDE BLVD	88 CALUMET AVE	101 E OAK ST UNIT 1-7	178 FRANKLIN AVE	106 SEMINOLE AVE	8 HANNAH RD	85 CALUMET AVE	60 MINNEHAHA BLVD	140 LAKESHORE DR	130 LAKESHORE DR	21 OAK ST	40 LAKESHORE DR	16 CALUMET AVE	48 PRINCETON TERR	195 HIAWATHA BLVD	27 BUTTERNUTT CT
	107 SEMINOLE AVE	164 HIAWATHA BI VD	54 THACKERAY RD	8 BARBARA LA	17 HIGH MTN RD	112 HIAWATHA BLVD	27 RUTGERS DR	113 LAKESHORE DR	211 RAMAPO VALLEY RD.	14 SIENNA WAY	108 MANITO AVE	9 BROOK HOLLOW	5 MASSASOIT TRAIL	111 RAM HILLS BLVD	I-6 EAST OAK STREET	29 BAILEY AVE	37 THACKERAY RD	26 WHITTIER LANE	47 ALLEN DR	67 CARDINAL DR	74 MINNEHAHA BLVD	100 FRANKLIN AVE	SO SEMINOLE AVE	80 LAKESHORE DR	62 SEMINOLE AVE	27 MONHEGAN AVE	65 MINNEHAHA BLVD	37 MONHEGAN AVE	8 MASSASOIT TR	4 CROSBY LA	58 W SHEFFIELD ST	70 LAKESHORE DR	68 LOYOLA PL	54 RUTGERS DR	24 TUSCARORA DR	177 HIAWATHA BLVD	6 VASSAR PL	55 LAKESIDE BLVD	88 CALUMET AVE	I-7 EAST OAK STREET	178 FRANKLIN AVE.	106 SEMINOLE AVE	95 YAWPO AVE	85 CALUMET AVE	60 MINNEHAHA BLVD	140 LAKESHORE DR	130 LAKESHORE DR	21 OAK ST	40 LAKESHORE DR	16 CALUMET AVE	48 PRINCETON TERR	195 HIAWATHA BLVD	27 BUTTERNUT COURT
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791	267	794	794	796	797	797	798	799	799	800	800	800	801	801	801	803	804	804	807	808	808	810	810	811	812	813	814	815	817	817	817	818	818	819	822	823	824	824	978	978	827	827	829	829	830	830	831	834	836	836	836	837
OAKLAND NJ	CANLAND	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLANDN	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
30 MONHEGAN AVE	ZU KU I GEKS UK	75 CARDINAL DR	10 WENONAH AVE	17 FORDHAM RD	16 OSWEGO AVE	210 HIAWATHA BLVD	57 CALUMET AVE	61 MINNEHAHA BLVD	34 WILSON ST	135 LAKESHORE DR	127 LAKESIDE BLVD	36 MONHEGAN AVE	93 FRANKLIN AVE	26 SIOUX AVE	8 TULANE RD	11 LOYOLA PL	510 RAMAPO VALLEY RD	65 LOYOLA PL	64 MONHEGAN AVE	52 SEMINOLE AVE	25 HIAWATHA BLVD	35 PRINCETON TERR	16 TUSCARORA DR	4 MASSASOIT TRL	11 ASPEN WAY	109 THACKERAY RD	63 MINNEHAHA BLVD	32 MASSASOIT TRL	10 WHITTIER LN	39 MINNEHAHA BLVD	35 SETON HALL DR	101 YAWPO AVE	53 CARDINAL DR	11 HIAWATHA BLVD	3 FIR CT	209 HIAWATHA BLVD	111 YAWPO AVE	83 HIAWATHA BLVD	10 THACKERAY RD	119 SEMINOLE AVE	18 OAK ST	26 ASPEN WAY	23 BUTTERNUT COURT	165 FRANKLIN AVE	28 TECUMSEH TRL	28 CAYUGA AVE	10 GERONIMO WAY	77 YAWPO AVE	189 FRANKLIN AVE	6 YALE WAY	24 CAYUGA AVE	238 RAMAPO VALLEY RD
30 MONHEGAN AVE.	ZU KUI GEKS DK	75 CARDINAL DR	10 WENONAH AVE	17 FORDHAM RD	16 OSWEGO AVE	210 HIAWATHA BLVD	57 CALUMET AVE	61 MINNEHAHA BLVD	34 WILSON ST	135 LAKESHORE DR	127 LAKESIDE BLVD	36 MONHEGAN AVE	93 FRANKLIN AVE	26 SIOUX AVE	8 TULANE RD	11 LOYOLA PL	510 RAMAPO VALLEY RD	65 LOYOLA PL	64 MONHEGAN AVE	52 SEMINOLE AVE	25 HIAWATHA BLVD	35 PRINCETON TERR	16 TUSCARORA DR	4 MASSASOIT TR	11 ASPEN WAY	109 THACKERAY RD	63 MINNEHAHA BLVD	32 MASSASOIT TR	10 WHITTIER LANE	39 MINNEHAHA BLVD	35 SETON HALL DR	101 YAWPO AVE	53 CARDINAL DR	11 HIAWATHA BLVD	3 FIR CT	209 HIAWATHA BLVD	111 YAWPO AVE	83 HIAWATHA BLVD	10 THACKERAY RD	119 SEMINOLE AVE	18 OAK ST	26 ASPEN WAY	23 BUTTERNUT COURT	165 FRANKLIN AVE	28 TECUMSEH TRAIL	28 CAYUGA AVE	10 GERONIMO WAY	77 YAWPO AVE	189 FRANKLIN AVE	6 YALE WAY	24 CAYUGA AVE	238 RAMAPO VLLY RD
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852	26 g	5001	1948	1670	1115	1880	469	462	1700	'n	1714	828	1252	1295	1631	1557	1408	1613	1983	89	1470	1634	1771	849	371	827	467	1811	867	1509	1863	808	1685	1387	74	325	804	1160	829	102	23	387	393	998	1131	1814	1793	889	936	1564	1821	518

838	838	840	840	840	844	844	847	847	848	848	848	848	850	853	853	928	856	857	828	829	829	860	860	861	862	862	864	865	865	698	869	874	876	877	877	878	879	879	879	879	880	880	881	882	883	884	886	988	988	887	888	068	068
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
124 YAWPO AVE	18 SPRING AVE	126 LAKESHORE DR	8 MEADOWLARK CT	65 HIAWATHA BLVD	15 FORDHAM RD	25 SETON HALL DR	19 DOGWOOD DR	6 BROOK HOLLOW	85 YAWPO AVE	84 YAWPO AVE	496 RAMAPO VALLEY RD	137 MANITO AVE	207 FRANKLIN AVE	30 MINNEHAHA BLVD	226 HIAWATHA BLVD	36 SIOUX AVE	6 COLUMBIA WAY	505 RAMAPO VALLEY RD	47 HIAWATHA BLVD	18 OSWEGO AVE	20 TUSCARORA DR	69 LAKESIDE BLVD	23 BARNARD DR	26 OAK ST	63 FRANKLIN AVE	15 SIENNA WAY	210 RAMAPO VALLEY RD	81 HIAWATHA BLVD	7 HOBART PL	38 ACADEMY CIRCLE	5 HOBART PL	87 THACKERAY RD	86 HIAWATHA BLVD	71 MINNEHAHA BLVD	43 SETON HALL DR	21 SKY TOP RIDGE	514 RAMAPO VALLEY RD	80 CALUMET AVE	104 SEMINOLE AVE	7 SIENNA WAY	31 OAK ST	10 BAILEY AVE	38 SIOUX AVE	8 BEECH ST	11 MOUNTAIN LAKES RD	19 PINE CREST DR	35 LAKESHORE DR	292 RAMAPO VALLEY RD	1 CHAPEL HILL RD	17 PINE CREST DR	123 SEMINOLE AVE	91 LAKESHORE DR	47 W SHEFFIELD ST
124 YAWPO AVE	D-4 EAST OAK STREET	126 LAKESHORE DR	8 MEADOWLARK CT	65 HIAWATHA BLVD	15 FORDHAM RD	25 SETON HALL DR	19 DOGWOOD DRIVE	6 BROOK HOLLOW	85 YAWPO AVE	84 YAWPO AVE	496 RAMAPO VALLEY RD	137 MANITO AVE	207 FRANKLIN AVE	30 MINNEHAHA BLVD	226 HIAWATHA BLVD	36 SIOUX AVE	6 COLUMBIA WAY	505 RAMAPO VLY RD	47 HIAWATHA BLVD	18 OSWEGO AVE	20 TUSCARORA DR	69 LAKESIDE BLVD	23 BARNARD DR	26 OAK ST	63 FRANKLIN AVE	15 SIENNA WAY	210 RAMAPO VALLEY RD	81 HIAWATHA BLVD	7 HOBART PL	38 ACADEMY CIRCLE	5 HOBART PL	87 THACKERAY RD	86 HIAWATHA BLVD	71 MINNEHAHA BLVD	43 SETON HALL DR	47 YAWPO AVENUE	514 RAMAPO VALLEY RD	80 CALUMET AVE	104 SEMINOLE AVE	7 SIENNA WAY	31 OAK ST	10 BAILEY AVE	38 SIOUX AVE	8 BEECH ST	11 MOUNTAIN LAKES ROAD	19 PINE CREST DR	35 LAKESHORE DR	292 RAMAPO VLLY RD	1 CHAPEL HILL ROAD	17 PINE CREST DR	123 SEMINOLE AVE	91 LAKESHORE DR	47 W. SHEFFIELD ST
35	42.51	2	10	7	12	16	103	43	20	20	49	36	30	10	10	43	4	19	21	83	57	24	17	16	15	15	76	52	6	52	10	16	11	41	21	9	54	13	15	19	φ	34	44	m	34	40	62	114	42	39	25	42	39
3703	3903	1503	4303	4702	4904	5103	3801	4301	3902	3903	4601	5501	4303	4702	5104	4507	4909	4507	4601	4602	5004	4303	4402	1802	4401	4909	3501	4702	4907	3903	4907	4301	4801	4701	5104	3902	4601	4803	4804	4909	1803	1901	4507	5010	5204	4401	1501	3801	5204	4401	4803	1501	3903
536	716	244	948	1141	1664	1879	529	923	289	655	1473	1904	920	1163	1866	1340	157	1312	1107	1114	1766	958	1015	29	1057	1604	514	1157	1663	630	1654	878	91	1321	1857	762	1108	1195	1234	144	27	368	1346	1718	1934	1076	218	900	1928	1087	1194	213	969

G	068	892	895	895	968	897	006	900	901	903	903	904	902	906	806	606	910	910	911	912	912	914	915	915	917	920	920	920	920	921	921	923	924	750	726	927	929	930	930	930	931	931	931	932	932	934	935	937	686	939	940	940
N N N N N N N N N N N N N N N N N N N	OAKLAND NJ	OAKI AND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKEAND NJ	OAK!AND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	DAKLAND NJ	OAKLAND NJ	OAKLAND NJ	DAKI AND NI	OAKI AND NI	OAKI AND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
SECTION OF	29 ACADEMI UN 146 ERANKIIN AVE	37 LOYOLA PI	126 YAWPO AVE	15 RUTGERS DR	39 SETON HALL DR	38 SETON HALL DR	19 TECUMSEH TRAIL	42 MINNEHAHA BLVD	51 W GAKLAND AVE	41 YAWPO AVE	78 MONHEGAN AVE	67 W SHEFFIELD ST	98 THACKERAY RD	22 SETON HALL DR	20 LOYOLA PL	28 MASSASOIT TRL	23 DOGWOOD DR	5 SIOUX AVE	56 LAKESHORE DR	27 COLGATE RD	22 MONHEGAN AVE	88 YAWPO AVE	30 ACADEMY CIR	21 BEECH ST	181 LAKESHORE DR	138 LAKESHORE DR	241 RAMAPO VALLEY RD	22 WHITTIER LN	16 PRINCETON TERR	91 W SHEFFIELD ST	101 E OAK ST UNIT F-8	477 RAMAPO VALLEY RD	S DARTIMOUTH WAY	135 LAWPO AVE	39 W SHEEFIELD ST	43 CALUMET AVE	1 TECUMSEH TRAIL	31 ALLEN DR	126 SEMINOLE AVE	39 CAYUGA AVE	56 ACADEMY CIR	193 FRANKLIN AVE	14 PINE CREST DR	44 LOYOLA PL	102 MANITO AVE	78 LAKESHORE DR	15 DOGWOOD DR	51 THACKERAY RD	33 LEHIGH WAY	172 HIAWATHA BLVD	14 THACKERAY DR	30 CEDAR ST
n Calo Vanadaca oc	146 FRANKLIN AVE	37 LOYOLA PL	126 YAWPO AVE	15 RUTGERS DR	39 SETON HALL DR	38 SETON HALL DR	19 TECUMSEH TRAIL	42 Minnehaha BLVD	15 TERHUNE ST	41 YAWPO AVE	78 MONHEGAN AVE	67 W SHEFFIELD ST	98 THACKERAY RD	22 SETON HALL DR	20 LOYOLA PL	28 MASSASOIT TR	23 DOGWOOD DRIVE	92 LAKESHORE DRIVE	56 LAKESHORE DR	27 COLGATE RD	22 MONHEGAN AVE	88 YAWPO AVE	30 ACADEMY CIRCLE	21 BEECH ST	181 LAKESHORE DR	138 LAKESHORE DR	241 RAMAPO VALLEY RD	22 WHITTIER LANE	16 PRINCETON TERR	91 W SHEFFIELD ST	F-8 EAST OAK STREET	477 RAMAPO VLY RD	5 DARTMOUTH WAY	100 TAVVPU AVE	29 W CHEEFIND CT	43 CALIIMET AVE	1 TECUMSEH TRAIL	31 ALLEN DR	126 SEMINOLE AVE	39 CAYUGA AVE	56 ACADEMY CIRCLE	193 FRANKLIN AVE	14 PINE CREST DR	44 LOYOLA PL	102 MANITO AVE	78 LAKESHORE DR	15 DOGWOOD DRIVE	51 THACKERAY RD	33 LEHIGH WAY	172 HIAWATHA BLVD	14 THACKERAY RD	30 CEDAR ST
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7000	4402	4902	3703	4912	5104	2003	4601	4702	1802	3902	5501	3903	4306	4907	4903	2006	3801	4507	4503	2003	2004	3903	3903	2009	1501	1607	2301	4307	4911	3903	3903	4507	4906	4101	2002	4801	4601	4304	4804	2006	3905	4303	4401	4903	5004	4506	3801	4301	4902	5103	4307	4504
27.3	1055	145	535	1529	1860	1803	1130	11/4	363	/41	1994	653	129	1689	1571	1818	528	1379	1306	1975	1823	646	645	1728	192	127	410	843	1553	620	684	1431	1665	222	C 7	1222	1488	891	1185	1773	809	932	1261	1624	1846	1368	530	006	1587	1416	833	1299

940	940	941	943	944	946	946	947	948	949	920	951	952	953	954	957	957	959	096	096	096	961	961	362	896	964	964	964	964	965	296	970	971	972	973	974	9/5	975	975	975	978	978	086	086	086	981	982	983	984	986	886	686	991	992
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ
12 MASSASOIT TRL	14 GERONIMO WAY	22 BARNARD DR	10 CORNELL PL	40 LOYOLA PL	43 W SHEFFIELD ST	8 ROCKAWAY AVE	41 ACADEMY CIR	171 LAKESHORE DR	83 YAWPO AVE	14 YALE WAY	117 YAWPO AVE	57 MINNEHAHA BLVD	23 FORDHAM RD	9 CALUMET AVE	165 LAKESHORE DR	11 WELLESLEY DR	72 CALUMET AVE	272 RAMAPO VALLEY RD	84 THACKERAY RD	37 RUTGERS DR	6 WHITTIER LN	85 FRANKLIN AVE.	122 HIAWATHA BLVD	69 CARDINAL DR	120 LAKESHORE DR	8 ACADEMY CIR	6 WELLESLEY DR	173 HIAWATHA BLVD	19 SIOUX AVE	410 RAMAPO VALLEY RD	137 LAKESHORE DR	35 OSWEGO AVE	6 HIAWATHA BLVD	10 ITHACA PL	9 MASSASOIT TRL	49 LAKESHORE DR	12 CARDINAL DR	118 MANITO AVE	5 RAMAPO HILLS BLVD	101 LAKESHORE DR	475 RAMAPO VALLEY RD	134 LAKESHORE DR	318 RAMAPO VALLEY RD	1 TUSCARORA DR	73 LAKESHORE DR	312 RAMAPO VALLEY RD	86 LAKESHORE DR	27 MINNEHAHA BLVD	19 SENECA AVE	127 YAWPO AVE	83 CARDINAL DR	174 LAKESIDE BLVD	45 CARDINAL DR
12 MASSASOIT TR	14 GERONIMO WAY	22 BARNARD DR	10 CORNELL PL	40 LOYOLA PL	43 W SHEFFIELD ST	8 ROCKAWAY AVE	41 ACADEMY CIRCLE	171 LAKESHORE DR	83 YAWPO AVE	14 YALE WAY	117 YAWPO AVE	57 MINNEHAHA BLVD	23 FORDHAM RD	9 CALUMET AVE	165 LAKESHORE DR	11 WELLESLEY DR	72 CALUMET AVE	272 RAMAPO VLLY RD	84 THACKERAY RD	57 RUTGERS DR	6 WHITTIER LANE	85 FRANKLIN AVE	122 HIAWATHA BLVD	69 CARDINAL DR	120 LAKESHORE DR	8 ACADEMY CIRCLE	6 WELLESLEY DR	173 HIAWATHA BLVD	19 SIOUX AVE	410 RAMAPO VALLEY RD	137 LAKESHORE DR	35 OSWEGO AVE	6 HIAWATHA BLVD.	10 ITHACA PL	9 MASSASOIT TR	49 LAKESHORE DR	12 CARDINAL DR	118 MANITO AVE	5 RAMAPO HILLS BLVD	101 LAKESHORE DR	475 RAMAPO VLY RD	134 LAKESHORE DR	318 RAMAPO VLLY RD	1 TUSCARORA DR	73 LAKESHORE DR	312 RAMAPO VALLEY RD	86 LAKESHORE DR	27 MINNEHAHA BLVD	19 SENECA AVE	127 YAWPO AVE	83 CARDINAL DR	174 LAKESIDE BLVD	45 CARDINAL DR
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5004	2006	4403	4302	4903	3903	4505	3904	1501	3902	4911	4101	4701	4904	4602	1501	4403	4803	3801	4306	4909	4307	4401	4801	5002	1502	3903	4402	5102	4504	4001	1501	4803	4401	5104	5004	1501	4303	5004	5004	1501	4507	1503	3903	5004	1501	3903	4507	4701	5204	4101	4303	5008	2005
1834	1783	1029	1006	1618	708	1304	643	199	999	1549	801	278	1688	1456	207	1047	86	596	863	1590	872	1080	1494	1725	241	710	1059	340	1441	781	235	1231	1274	1884	854	182	929	861	1795	526	1289	240	9/9	1806	202	288	1375	1158	1929	796	266	484	1755

996 998 998 1,000 1,000 1,000	1,007 1,007 1,0010 1,0010 1,0013 1,0015 1,0020 1,0020 1,0027 1,0027 1,003 1,0040 1,0040 1,0040 1,0040 1,0040 1,0040 1,0040 1,0040 1,0055 1,0050 1,0050 1,0050 1,0050 1,0050	1,063 1,069 1,070
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149 LONG HILL RD 27 BARNARD DR 33 MINNEHARA BLVD 115 YAWPO AVE 30 SEMINOLE AVE 23 HIGH MOUNTAIN RD 34 MINNEHAHA BLVD 32 LEHIGH WAY	7 A SEMINOLE AVE 120 FRANKLIN AVE 8 SEMINOLE AVE 162 LAKESHORE DR 113 HIAWATHA BLVD 51 SETON HALL DR 62 MONHEGAN AVE 9 MT HOLYOKE DR 176 HIAWATHA BLVD 125 YAWPO AVE 9 SIENINOLE AVE 9 SIENIN AWAY 13 GERONIMO WAY 58 LAKESHORE DR 5 SIOUX AVE 29 OAK ST 109 YAWPO AVE 81 MINNEHAHA BLVD MUNICIPAL BLDG. 49 CARDINAL DR 5 SIOUX AVE 25 ROCKAWAY AVE 25 ROCKAWAY AVE 25 ROCKAWAY AVE 25 SEMINOLE AVE 14 HIAWATHA BLVD 5 HURON AVE 14 KIOWA TERR 12 MAPLE DR 12 MAPLE DR 15 LAWLOR DR 66 THACKERAY RD 44 SIOUX AVE 85 HIAWATHA BLVD 56 LOYOLA PL 58 CEDAR ST 16 HAWATHA BLVD 56 LOYOLA PL 58 CEDAR ST 15 HAWATHA BLVD 56 LOYOLA PL 58 CEDAR ST 158 HIAWATHA BLVD 56 LOYOLA PL 58 HARVARD WAY 18 CONESTOGA CT	3 MOUNTAIN LAKES RD 109 SEMINOLE AVE 20 ONEIDA AVE
258&260 RAM VAL RD 27 BARNARD DR 33 MINNEHAHA BLVD 115 YAWPO AVE 30 SEMINOLE AVE 23&23A HIGH MTN RD 34 MINNEHAHA BLVD 32 LEHIGH WAY	24 LANESTHORE DIK 7 IROQUOIS AVE 1120 FRANKLIN AVE 8 SEMINOLE AVE 162 LAKESHORE DR 113 HIAWATHA BLVD 51 SETON HALL DR 62 MONHEGAN AVE 9 MT HOLYOKE DR 176 HIAWATHA BLVD 125 YAWPO AVE 9 SIENNOLE AVE 9 SIENNA WAY 13 GERONIMO WAY 58 LAKESHORE DR 539 RAMAPO VALLEY RD 25 ROCKAWAY AVE 9 SIENNA WAY 1109 YAWPO AVE 72 OAK ST 109 YAWPO AVE 9 SIENNA WAY 1109 YAWPO AVE 72 OAK ST 109 YAWPO AVE 73 DAK ST 109 YAWPO AVE 74 DAK ST 109 YAWPO AVE 75 HAWATHA BLVD 5 HURON AVE 75 FULRON AVE 114 HARVARD WAY 115 LAWLOR DRIVE 66 THACKERAY RD 44 SIOUX AVE 85 LIAWATHA BLVD 58 SEMINOLE AVE 11 MAWATHA BLVD 58 COOLLA PL 58 YAWPO AVE 28 CEDAR ST 158 HAWATHA BLVD 58 LAYOLX AVE 81 HAWATHA BLVD 58 LAYOLX AVE 81 HAWATHA BLVD 58 SEMINOLE AVE 158 HAWATHA BLVD 58 CEDAR ST 158 HARVARD WAY 18 CONESTOGA CT	3 MOUNTAIN LAKES ROAD 109 SEMINOLE AVE 20 ONEIDA AVE
107 19 56 14 49 22 11	1 1 38 38 38 38 38 38 38 38 38 38 38 38 38	44 31 9
3801 4402 4701 4101 4401 4702 4901	4507 4401 1607 4702 5104 4702 5104 4401 4909 5007 4504 4804 4805 4306 4507 4507 4507 4507 4507 4507 4507 4507	5204 4803 5204
538 1018 1168 802 258 1031 1167	1574 1089 269 263 459 1085 11981 11085 11413 125 1378 1349 1378 1349 1378 1349 1378 1349 1378 1349 1378 1378 1378 1378 1378 1378 1378 1378	174 1243 498

1,072	1,072	1,075	1,076	1078	1,080	1,080	1,081	1,086	1,088	1,088	1,090	1,090	1,093	1,094	1,095	1102	1,103	1104	1,109	1,109	1,115	1,117	1,117	1,118	1,119	1,120	1,120	1,120	1,122	1,122	1,128	1,128	1,128	1,129	1 130	1,131	1,133	1,137	1,137	1,145	1,146	1,148	1,150	1,151	1,152	1,154	1,155	1,159	1,160	1,160	1,163	1,166
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND N3	OAKLAND NJ	CARLANDIN	OAKLAND NJ	OAKLAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND N3
51 W SHEFFIELD ST	7 MOUNTAIN LAKES RD	7 WELLESLEY DR	61 WALNUT ST	61 YAWPO AVE	57 SEMINOLE AVE	191 LAKESIDE BLVD	106 YAWPO AVE	88 ONEIDA AVE	6 TECUMSEH TRL	58 CARDINAL DR	5 BROOK HOLLOW	4 BROOK HOLLOW RD	104 HIAWATHA BLVD	14 ROCKAWAY AVE	21 OSWEGO AVE	195 FRANKLIN AVE	137 HIAWATHA BLVD	37 DOGWOOD DR	54 CALUMET AVE	5 MOUNTAIN LAKES RD	12 BROOK HOLLOW RD	29 CALUMET AVE	34 COLGATE RD	52 YAWPO AVE	213 RAMAPO VALLEY RD	6 MT HOLYOKE DR	31 COLGATE RD	4 MOUNTAIN LAKES RD	11 BAILEY AVE	44 SETON HALL DR	58 CALUMET AVE	11 LEHIGH WAY	9 MICON LAIN LAKES RU	11/ IHACKERAY RU	24 CALIMET AVE	30 WHITTIER LN	18 WHITTIER LN	55 W SHEFFIELD ST	5 PRINCETON TERR	26 RUTGERS DR	63 W SHEFFIELD ST	140 YAWPO AVE	10 KIOWA TERR	7 BROOK HOLLOW RD	79 CALUMET AVE	2 KIOWA TERR	19 ACADEMY CIR	38 CALUMET AVE	123 YAWPO AVE	125 THACKERAY RD	1 MASSASOIT TRL	32 TUSCARORA DR
51 W SHEFFIELD ST	7 MOUNTAIN LAKES ROAD	7 WELLESLEY DR	61 WALNUT ST	61 YAWPO AVE	57 SEMINOLE AVE	191 LAKESIDE BLVD	106 YAWPO AVE	88 ONEIDA AVE	6 TECUMSEH TRAIL	58 CARDINAL DR	5 BROOK HOLLOW	4 BROOK HOLLOW	104 HIAWATHA BLVD	14 ROCKAWAY AVE	21 OSWEGO AVE	195 FRANKLIN AVE	137 HIAWATHA BLVD	37 DOGWOOD DR	54 CALUMET AVE	5 MOUNTAIN LAKES ROAD	12 BROOK HOLLOW	29 CALUMET AVE	34 COLGATE RD	52 YAWPO AVE	213 RAMAPO VALLEY RD.	6 MT HOLYOKE DR	31 COLGATE RD	4 MOUNTAIN LAKES ROAD	11 BAILEY AVE	44 SETON HALL DR	58 CALUMET AVE	11 LEHIGH WAY	9 MOUNIAIN LAKES KOAD	117 THACKERAY RD	24 CALLIMET AVE	30 WHITTIER LANE	18 WHITTIER LANE	55 W SHEFFIELD ST	5 PRINCETON TERR	26 RUTGERS DR	63 W SHEFFIELD ST	140 YAWPO AVE	10 KIOWA TERR	7 BROOK HOLLOW	79 CALUMET AVE	2 KIOWA TERR	19 ACADEMY CIRCLE	38 CALUMET AVE	123 YAWPO AVE	125 THACKERAY RD	1 MASSASOIT TR	32 TUSCARORA DR
38	36	ന	28	11	31	64	78	24	11	9	33	44	16	12	54	35	47	66	4	43	40	15	15	5	12	43	17	24	7	7	r.	m þ	ξ, ,	σ ,	25 10	? ~	4	37	12	6	35	38	48	34	35	20	18	17	10	9	59	9
3903	5204	4403	3903	3902	4806	2004	3703	5102	4601	5001	4301	4301	4801	4505	4801	4303	5204	3801	4803	5204	4301	4602	5002	3903	2302	4402	5002	5204	2301	5003	4803	4804	5204	4305	4806	4307	4307	3903	4901	4302	3903	3703	5004	4301	4801	5004	3904	4806	4101	4305	5004	5004
675	1940	1041	639	724	1175	493	522	326	1397	1749	925	929	1205	1316	1229	928	177	526	1237	1924	911	1401	489	545	51	1060	1966	163	421	1786	473	302	1937	822	305	834	132	592	1523	971	263	232	1822	921	104	1808	582	1208	798	818	857	1900

1,168	1,172	1,180	1182	1182	1,183	1,189	1,192	1,198	1,201	1.209	1219	1,221	1,222	1,228	1,229	1,233	1,236	1,236	1238	1,240	1,240	1,252	1,259	1,260 1,366	1,465 1267	1 268	1,250	1 2 7 8	1.280	1,284	1,285	1,286	1290	1,290	1,292	1,300	1304	1,304	1,305	1,306	1,307	1,307	1,314	1,315	1,319	1,320	1,321	1,325	1,327	1,327	1,328
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKI AND NI	OAKLAND NJ	OAKLAND NJ	OAKLANDNI	OAKLAND NJ	OAK! AND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	CAKTAND	OAK! AND NI	IN CHICAGO	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
52 RUTGERS DR	6 FORDHAM RD	152 HIAWATHA BLVD	118 LAKESHORE DR	181 FRANKLIN AVE	68 CALUMET AVE	29 LEHIGH WAY	490 KAIMAPO VALLEY KD	14 COLGATE BD	29 FRANKI IN AVE	52 CALUMET AVE	124 LAKESHORE DR	60 CALUMET AVE	13 YALE WAY	36 LOYOLA PL	9 HIAWATHA BLVD	11 PINE CREST DR	20 LEHIGH WAY	50 RUTGERS DR	17 OAK ST	19 MAPLE DR	6 OSWEGO AVE	121 THACKERAY RD	103 SEMINOLE AVE	16 HEMLOCK SI	9 HEMI OCK ST	S MONIDECANI AVE	22 WHITTER IN	18 MARDIE DR	38 RUTGERS DR	7 PINE CREST DR	129 YAWPO AVE	54 MINNEHAHA BLVD	119 LAKESHORE DR	210 FRANKLIN AVE	93 THACKERAY RD	21 PINE CREST DR	102 LAKESHORE DR	6 CONESTOGA CT	24 BARNARD OR	32 CAYUGA AVE	88 W SHEFFIELD ST	45 NOKOMIS AVE	15 MOUNTAIN LAKES RD	53 LOYOLA PL	5 WELLESLEY DR	2 CHAPEL HILL RD	80 SEMINOLE AVE	26 CALUMET AVE	8 SIENNA WAY	13 HARVARD WAY	62 W SHEFFIELD ST
52 RUTGERS DR	6 FORDHAM RD	152 HIAWATHA BLVD	118 LAKESHORE DR	181 FRANKLIN AVE	68 CALUMET AVE	29 LEHIGH WAY	490 RAMAPO VALLEY KU	14 CALESTONE DA	29 FRANKLIN AVE.	52 CALUMET AVE	124 LAKESHORE DR	60 CALUMET AVE.	13 YALE WAY	36 LOYOLA PL	9 HIAWATHA BLVD	11 PINE CREST DR	20 LEHIGH WAY	50 RUTGERS DR	17 OAK ST	19 MAPLE DRIVE	6 OSWEGO AVE	121 THACKERAY RD	103 SEMINOLE AVE	16 HEMLOCK ST.	64 CARDINAL DR	S REINFLOCK SI	52 MUNITEGAN AVE	49 MADIE DRIVE	38 RUTGERS DR	7 PINE CREST DR	129 YAWPO AVE	54 MINNEHAHA BLVD	119 LAKESHORE DR	210 FRANKLIN AVE.	93 THACKERAY RD	21 PINE CREST DR	102 LAKESHORE DR	6 CONESTOGA CT	24 BARNARD DR	32 CAYUGA AVE	88 W. SHEFFIELD ST	45 NOKOMIS AVE	15 MOUNTAIN LAKES ROAD	53 LOYOLA PL	5 WELLESLEY DR	2 CHAPEL HILL ROAD	80 SEMINOLE AVE	26 CALUMET AVE	8 SIENNA WAY	13 HARVARD WAY	62 W SHEFFIELD ST
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5005	4905	4804	1502	4303	4803	4902	4601	7008	4401	4803	1503	4803	4910	4903	4601	4401	4901	2005	1803	4304	4602	4305	4803	2301	2001	7207	5004	430E	4305	4401	4101	4702	1501	4304	4305	4401	1503	2002	4403	5004	3905	4503	5204	4902	4403	5204	4804	4806	4910	4911	3904
1747	1632	106	238	946	06	1594	1466	1627	1272	1233	242	1241	1566	152	1385	1253	1589	1740	17	881	1121	820	474	411	1/47	1040	1848	1+0	1000	1270	795	1513	ø	903	135	1071	234	1784	1032	1805	613	1331	1925	156	1039	1943	318	307	1595	1545	652

1,329	1,330	1332	1,338	1,340	1341	1348	1,350	1,356	1,356	1357	1,365	1,370	1,379	1380	1,380	1,380	1,389	1,390	1,402	1,403	1,408	1,408	1,409	1,410	1,411	1,419	1420	1,422	1436	1,437	1,437	1,450	1,452	1,454	1,457	1,430	1,462	1,464	1,464	1,469	1.470	1,470	1,477	1,479	1,481	1,485	1,486	1,488	1,494	1497	1,502	1,504
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OANLAND N	OAKLAND NJ	OAKLAND NI	OAKLAND NI	OAKI AND NI	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
37 PRINCETON TER	11 WHITTIER LN	7 DOGWOOD DR	4 CHAPEL HILL RD	58 RUTGERS DR	167 YAWPO AVE	163 YAWPO AVE	17 TUSCARORA DR	400 RAMAPO VALLEY RD	74 MONHEGAN AVE	71 YAWPO AVE	9 HARVARD WAY	14 ACADEMY CIR	4 CARDINAL DR	127 LAKESHORE DR	38 OSWEGO AVE	PO BOX 146	113 THACKERAY RD	9 TECUMSEH TRL	31 ASPEN WAY	35 CAYUGA AVE	499 RAMAPO VALLEY RD	40 PRINCETON TERR	22 CONESTOGA CT	13 MAPLE DR	61 SETON HALL DR	71 WALNUT STREET	34 HEMLOCK ST	24 BAILEY AVE	41 OAK ST	110 THACKERAY RD	153 HIAWATHA BLVD	22 ASPEN WAY	488 RAMAPO VALLEY RD	8 SPRUCE ST	7 SENECA AVE	4 LUSCARORA DR	LS CALUMET AVE	211 UIAWATUA BIAR	34 PHITCERS OF	10 MOUNTAIN LAKES RD	3 ACADEMY CR	7 RUTGERS DR	82 FRANKLIN AVE	PO BOX 193	43 OSWEGO AVE	15 ASPEN WAY	18 PRINCETON TERR	36 CAYUGA AVE.	28 COLGATE RD	PO BOX 7000-17 RARITAN RD	71 THACKERAY RD	14 SEMINOLE AVE
37 PRINCETON TERR	11 WHITTIER LANE	7 DOGWOOD DRIVE	4 CHAPEL HILL ROAD	58 RUTGERS DR	167 YAWPO AVE	163 YAWPO AVE	17 TUSCARORA DR	191 RAMAPO VALLEY RD	74 MONHEGAN AVE	71 YAWPO AVE	9 HARVARD WAY	14 ACADEMY CIRCLE	4 CARDINAL DR	127 LAKESHORE DR	38 OSWEGO AVE	12 TULANE RD	113 THACKERAY RD	9 TECUMSEH TRAIL	31 ASPEN WAY	35 CAYUGA AVE	499 RAMAPO VLY RD	40 PRINCETON TERR	22 CONESTOGA CT	13 MAPLE DRIVE	61 SETON HALL DR	71 WALNUT ST	34 HEMLOCK ST	24 BAILEY AVE	41 OAK ST	110 THACKERAY RD	153 HIAWATHA BLVD	22 ASPEN WAY	488 RAMAPO VALLEY RD	8 SPRUCE ST.	7 SENECA AVE	4 LUSCARORA DR	15 CALUMEI AVE	54 LOTOLA PL	24 DITCEPS DE	10 MOUNTAIN LAKES BOAD	3 ACADEMY CIRCLE	7 RUTGERS DR	82 FRANKLIN AVE	10 HIAWATHA BLVD	43 OSWEGO AVENUE	15 ASPEN WAY	18 PRINCETON TERR	36 CAYUGA AVE	28 COLGATE RD	17 RARITAN RD	71 THACKERAY RD	14 SEMINOLE AVE.
6	16	105	38	9	4	2	39	52	∞	15	13	46	н	28	20	10	10	∞	24	7	21	1	12	7	18	23	21	37	2	00	23	18	46	17	55	ያ ያ	77	7 7	20	7 K	} -	13	53	56	40	28	7	38	12	9	12	33
4905	4306	3801	5204	2005	4101	4101	5004	2302	5501	3902	4911	3903	4303	1501	4806	4903	4305	4601	1901	2006	4507	4908	2005	4304	2005	3903	2301	1901	1803	4307	5204	1901	4601	2302	5204	5004	4602	4504	7075	5205 5204	3904	4901	4402	4401	4803	1901	4911	5004	5002	4004	4301	4401
1641	928	63	496	487	792	793	1787	400	1990	705	1548	673	944	13	1211	1638	824	1404	384	1782	1294	1633	1901	887	1971	621	422	375	351	830	164	385	1464	406	1936	06/1	1468	154	270	1927	678	1503	1046	797	1219	373	1560	1797	1963	770	868	256

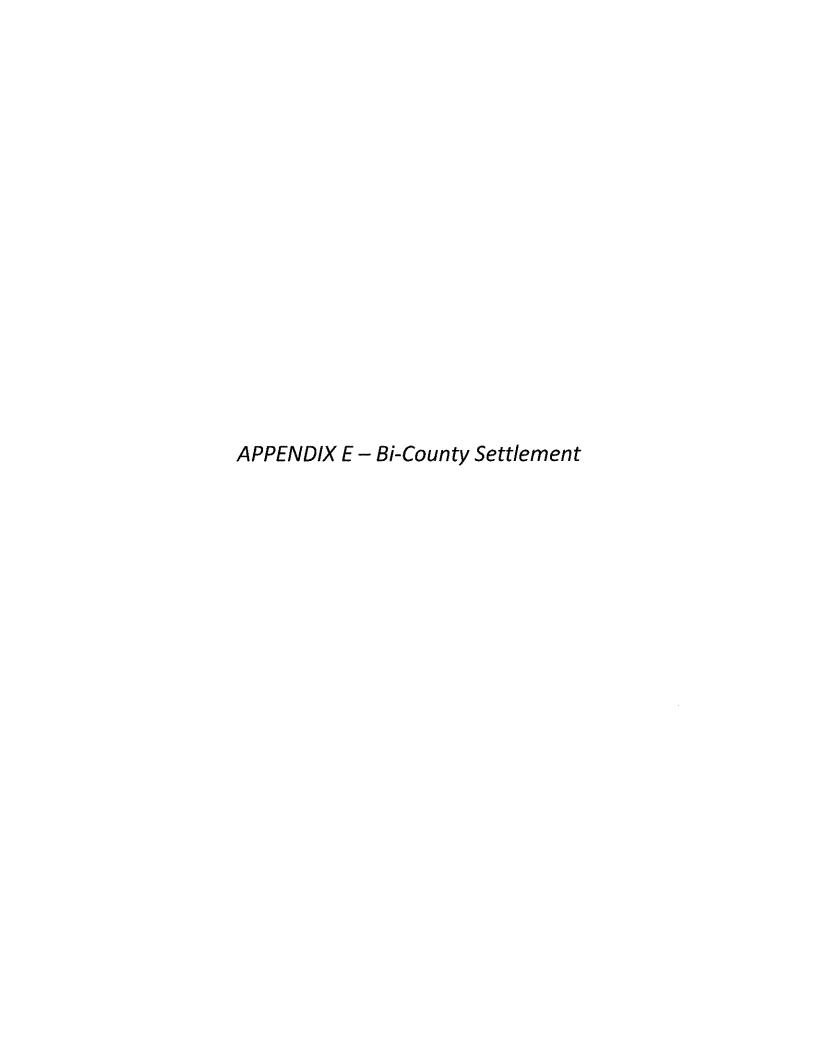
1,516	1,518	1,518	1,523	1524	1,528	1,530	1,531	1,533	1,542	1550	1,550	1556	1,558	1,559	1,567	1,568	15//	1,579	1,58/	0001	1,533	1,503	1,623	1.626	1627	1,634	1,639	1,650	1,656	1670	1,676	1,683	1,690	1,695	1,703	1,710	77,77	1,1.4 1,7.7	1.723	1 779	1,730	1733	1,750	1,755	1,764	1,771	1,781	1,790	1,791	1,806	1,814
OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND N	OAKLAND NJ	CAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	DAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	IN CINE SACO	OAKLAND NI	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	DAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	OAKLAND	OAKEAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
6 MEADOWLARK CT	15 PINE CREST DR	16 SIENNA WAY	66 SEMINOLE AVE	55 W OAKLAND AVE	20 SETON HALL DR	139 FRANKLIN AVE	95 HIAWATHA BLVD	54 W SHEFFIELD SI	55 FRANKLIN AVE	38 UAK SI	46 ACADEMY CIR	2 CHAPEL HILL RD	1 KlOWA TERR	97 RAMAPO HILLS BLVD	61 CARDINAL DR	20 SIENNA WAY	185 LAKESHÜRE DR	45 SPRUCE SI	32 FRANKLIN AVE	24 FDANKIN AVE	A1 SETON HALL DR	10 SENGINOI E AVE	16 MOLINIAIN LAKES BD	8 ALLERMAN RD	51 FRANKLIN AVE	12 MOUNTAIN LAKES RD	3 ROBIN LANE	5 LOYOLA PL	3 BROOK HOLLOW RD	187 LAKESHORE DR	50 LAKESHORE DR	10 YUMA CT	38 CARDINAL DR	23 LEHIGH WAY	25 PAGE DR	455 RAMAPO VALLEY RD	34 ASPEN WAY	42 W CARLAIND AVE	19 CALUMET AVE	2 BROOK HOLLOW	203 HIAWATHA BIVD	35 FRANKLIN AVE	30 ASPEN WAY	31 BUTTERNUT CT	44 MINNEHAHA BLVD	3 STEVENS PL	38 LAKESHORE DR	101 THACKERAY RD	78 CARDINAL DR	9 YALE WAY	56 RUTGERS DR
6 MEADOWLARK CT	15 PINE CREST DR.	16 SIENNA WAY	66 SEMINOLE AVE	55 W. OAKLAND AVE	20 SETON HALL DR	139 FRANKLIN AVE	95 HIAWATHA BLVD	54 W SHEFFIELD ST	55 FRANKLIN AVE	38 OAK SI	46 ACADEMY CIRCLE	6-8-10-12&14 ELM ST	1 Klowa Terr	97 RAMAPO HILLS BLVD	61 CARDINAL DR	20 SENNA WAY	185 LAKESHURE DR	45 SPRUCE SI	32 FRANKLIN AVE	37 FEANIFIER SEVE	A1 SETON HALL DR	10 SEMINOTE AVE	16 MOLINTAIN LAKES BOAD	8 ALLERMAN RD.	390 RAMAPO VALLEY RD	12 MOUNTAIN LAKES ROAD	3 ROBIN LANE	5 LOYOLA PL	3 BROOK HOLLOW	187 LAKESHORE DR	50 LAKESHORE DR	10 YUMA CT	38 CARDINAL DR	23 LEHIGH WAY	25 PAGE DR	469 RAIMAPO VALLEY RD	34 ASPEN WAY	42 W DAKLANU AVE	19 CALLIMET AVE	2 BROOK HOLLOW	2000 NOTE STATES OF STATES	35 FRANKLIN AVE	30 ASPEN WAY	31 BUTTERNUT COURT	44 MINNEHAHA BLVD	3 STEVENS PL	38 LAKESHORE DR	101 THACKERAY RD	78 CARDINAL DR	9 YALE WAY	56 RUTGERS DR
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4303	4401	4910	4805	1801	4904	4302	4702	390g	4401	7081	3902	1802	5004	2008	2005	4910	1501	7307	4404	4601	5104	7401	5204	4003	3907	5204	5001	4901	4301	1501	4503	5501	5001	4902	3701	4504	1901	1704	4602	4301	5107	4401	1901	1901	4702	4904	4503	4305	5001	4910	2005
947	1246	1576	1180	433	1691	972	11/3	//5	10/4	35b	619	355	1796	1756	1757	1568	<u>9</u>	9	1248	1404	1271	356	175	788	758	1923	1712	1543	927	188	1449	1982	1724	1602	537	1285	394	46	1471	938	337	1263	392	397	64	1649	1435	835	1722	1575	482

1,820	1,822	1,825	1,826	1,836	1,842	1,850	1,854	1,880	1,880	1,883	1887	1,890	1,892	1895	1,895	1,901	1,907	1,915	1,933	1,94.1	1,380	1,9/1,	1.991	1.994	2,000	2,041	2,049	2,050	2053	2099	2,105	2,112	7 165	2167	2,200	2,210	2,255	2,258	2,271	2287	2318	2,321	2,338	2,365	2,379	2,425	2,427	2,434	2,434	2,444
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208 RAMAPO VALLEY RD	93 HIAWATHA BLVD	26 SETON HALL DR	137 FRANKLIN AVE	314 RAMAPO VALLEY RD	189 HIAWATHA BLVD	111 HIAWATHA BLVD	198 HIAWATHA BLVD	28 SEMINOLES	47 RUIGERS DR	107 FRANKLIN AVE	39 LAKESHORE DR	11 IROQUOIS AVE	19 BUTTERNUT CT	34/35 BAILEY AVE	5 GERINIMO WAY	498 RAMAPO VALLEY RD	12 SEMINOLE AVE	11 ROCKAWAY AVE	15 KIOWA JERK	141 HIAWATHA BLVD	55 CARDINAL UR	SZ ACADEMIY CR 45 I AKESHORF DR	8 WENDNAH AVE	15 HARVARD WAY	17 SIOUX AVE	28 RUTGERS DR	9 CARDINAL DR	MUNICIPAL BLDG	179 LAKESHORE DR	43 YAWPO AVE	18 PINE CREST DR	247 RAMAPO VALLEY RD	SS AST EN WAT	79 PAGE DR	55 CALUMET AVE	196 FRANKLIN AVE	55 RUTGERS DR	9 ROCKAWAY AVE	9 PIMA CT	13 RARITAN RD	3 DOGWOOD DR	13 KIOWA TER	46 ALLEN DR	101 E OAK ST #E-3	3 CHAPEL HILL RD	36 TUSCARORA DR	21 KIOWA TERR	17 WHITTIER EN	178 HIAWATHA BLVD	330 RAMAPO VALLEY RD
208 RAMAPO VALLEY RD	93 HIAWATHA BLVD	26 SETON HALL DR	137 FRANKLIN AVE	314 RAMAPO VALLEY RD.	189 HIAWATHA BLVD	111 HAWATHA BLVD	198 HIAWALHA BLVD	28 SEMINOLE AVE	47 RUTGERS DR	107 FRANKLIN AVE	39 LAKESHORE DR	11 IROQUOIS AVE	19 BUTTERNUT COURT	BAILEY AVE	5 GERONIMO WAY	498 RAMAPO VALLEY RD	12 SEMINOLE AVE.	11 ROCKAWAY AVE	40 KIOWA JERK	141 HIAWATHA BLVD.	55 CARDINAL DR	52 ACADEMY CIRCLE 45.1 AKESHORE DR	8 WENONAH AVE	15 HABVARD WAY	17 SIOUX AVE	28 RUTGERS DR	9 CARDINAL DRIVE	179 LAKESIDE BLVD	179 LAKESHORE DR	43 YAWPO AVENUE	18 PINE CREST DR	247 RAMAPO VALLEY RD	63 HIAWATHA BIVD	160 RAMAPO VALLEY RD	55 CALUMET AVE	196 FRANKLIN AVE	55 RUTGERS DR	9 ROCKAWAY AVE	9 PIMA CŦ	13 RARITAN RD	3 DOGWOOD DRIVE	13 KIOWA TERR	46 ALLEN DR	E-3 EAST OAK STREET	3 CHAPEL HILL ROAD	36 TUSCARORA DR	21 KIOWA TERR	17 WHITTIER LANE	178 HIAWATHA BLVD	330 RAMAPO VLLY RD
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3501	4702	4907	4302	3903	5102	4702	5103	4401	4910	4401	1501	5204	1901	1901	2007	4601	4401	4504	5004	5204	2002	3905	5204	4911	4504	4302	4302	5004	1501	3902	4401	2301	4707	3401	4801	4301	4909	4204	5501	4004	3801	5004	4301	3903	5204	5004	5004	4306	5103	3903
513	1170	1680	976	663	1414	1521	1895	202	1554	1273	220	1920	391	1998	1791	1476	260	1297	1830	1/3	024	180	1947	1542	1437	974	996	1896	193	736	1256	415	1138	450	1238	912	1582	1293	1993	768	31	1824	988	36	1932	1977	1837	998	1916	43

2,526 2624 2,774	2,775 2905 2,942	2943	2,988 3,118	3391	3,567	3835	3,967	4,172	4600	5574	6103	7090	7581	8,313	9656	12,500	17842	19,090	no data	no data	no data	no data no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
OAKLAND NJ OAKLAND, NJ OAKLAND NJ	OAKLAND NJ OAKLAND NJ OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKI AND NI	OAKLAND, NEW JERSEY	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND, N.J. OAKLAND, N.J.	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKI AND MI	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ				
8 PIMA CT 175 RAMAPO VALLEY RD 54 LAKESHORE DR	14 MOUNIAIN LAKES KD 22 RAMAPO VALLEY RD 228 RAMAPO VALEY RD	341 RAMAPO VALLEY RD	195 RAMAPO VALLEY RD 29 SPRUCE ST	20 PINECREST DR	111 MANITO AVE	114 SEMINOLE AVE 25 DOGWOOD DR	14 COBBLESTONE CT	8 CHAPEL HILL RD	11 LOYOLA PL	2 SHELTER LANE	315 RAMAPO VALLEY RD	32 OAK ST	186 RAMAPO VALLEY RD	101 E OAK ST UNIT I-3	155 RAMAPO VALLET RD.	MUNICIPAL PLAZA	PO BOX 175	14 POST RD	MUNICIPAL BLDG	MUNICIPAL BLDG	15 TERHUNE ST	MUNICIPAL PLAZA MUNICIPAL BLDG.	MUNICIPAL BLDG	MUNICIPAL BLDG	MUNICIPAL BLDG	71 OAK ST	MUNICIPAL BLDG	279 KAIVIAPO VALLET ND 1 MITNICEDAL PLAZA	30 BALEY AVE	237 RAMAPO VALLEY RD	237 RAMAPO VALLEY RD	24 HEMLOCK ST	28 HEMLOCK ST	30 HEMLOCK ST	38 HEMLOCK ST	10 GROVE ST	MUNICIPAL BLDG	207 RAMAPO VALLEY RD				
8 PIMA CT 175 RAMAPO VALLEY RD 54 LAKESHORE DR	14 WOUN I AIN LAKES KOAD 22 RAMAPO VALLEY RD 228 RAM VA! I EY RD	2 OAK ST	195 RAMAPO VALLEY RD 29 SPRUCE ST	12 TERHUNE ST	111 MANITO AVE	114 SEMINOLE AVE (R.O.W.) 25 DOGWOOD DR	204 RAMAPO VALLEY RD	8 CHAPEL HILL ROAD	117 FRANKLIN /7 LOYOLA PL	451-3-3-7 RAW VAL KU 2 SHEI TER I ANE	315 RAM VALLEY RD	32 OAK ST	186 RAMAPO VALLEY RD	1-3 EAST OAK STREET	155 RAMAPO VALLET ND	145 HIAWATHA BLVD	345-349 RAM VAL RD	14 POST ROAD	29 LAKESHORE DR	LAKESHORE DR	W OAKLAND AVE	RAMAPO VALLEY ROAD 399 RAMAPO VALLEY RD	OAK ST	OAK ST	OAK ST	OAKST	OAK ST BAM VALBD	RAMAPO VALLEY RD	MUNICIPAL PLAZA	71 OAK STREET	RECREATION FIELD	279 KAMMAPU VALLET KD.	30 BALLEY AVE	WHITE BIRCH PARK	WHITE BIRCH PARK	24 HEMLOCK ST	28 HEMLOCK ST	30 HEMLOCK ST	38 HEMLOCK ST	SANDY BEACH	66 SPRUCE ST	207 RAMAPO VALLEY RD
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1996 426 1296	1/8 446 516	21	401 53	289	1989	479	512	1944	1578	787	254	349	207	711	427	162	357	301	215	282	295	287	20	358	359	353	253	251	348	28	1999	380	377	98	423	416	419	420	9/	82	83	<u>S</u>

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OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND, N.J.	OAKLAND NI	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	GAKLAND, NJ	OAKLAND NJ	OAKEAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLANDNJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NI	OAKLAND NI	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND, N.J.	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, NJ	OAKLAND, NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ
207 RAMAPO VALLEY RD	51 SPRUCE ST	ONE MUNICIPAL PLAZA	341 RAMAPO VALLEY RD	341 RAMAPO VALLEY RD	90 MARTHA PL	MUNICIPAL BLDG	MUNICIPAL BLUG.	174 LONG HILL NO	160 YAWPO AVE	160 YAWPO AVE	172 YAWPO AVE	25 DOGWOOD DR	MUNICIPAL PLAZA	MUNICIPAL BLDG	5 BRANDYWINE PL	64 YAWPO AVE	101 E OAK ST UNIT B-2	101 E OAK ST UNIT C-6	2 SHELTER LANE	1 RARITAN RD	97 YAWPO AVE	29 THACKERAY RD	LOS FRANKLIN AVE	MUNICIPAL BLDG	2 MEADOWLARN CI	S TO TO S	13 HOBBY LN	13 HOBBY LANE	51 FRANKLIN AVE	32 LAKESHORE DR	MUNICIPAL PLAZA	MUNICIPAL PLAZA	MUNICIPAL BLDG.	MUNICIPAL BLDG	42 HIAWATHA BLVD	MUNICIPAL BLDG	27 JUNIOUE AVE PO BOX 272	PO BOX 272	MUNICIPAL PLAZA	PO BOX 272	69 MINNEHAHA BLVD	11 MINNEHAHA BLVD	9 MINNEHAHA BLVD	MUNICIPAL BLDG	140 HIAWATHA BLVD	MUNICIPAL BLDG	MUNICIPAL BLDG	58 RAMAPO HILLS BLVD	88 RAMAPO HILLS BLVD	115 LAKESIDE BLVD
RAMAPO VALLEY RD	51 SPRUCE ST	121 RAMAPO VALLEY RD	REAR-RAM VAL RD	FRONT-RAM VAL RD	21 POST ROAD	BACK-WAYNE LINE	BACK-WAYNE LINE	124 LONG FILE ND	150 YAWPO AVENUE	160 YAWPO AVE.	172 YAWPO AVE	25 DOGWOOD DRIVE	RAMAPO VLLY RD	25 YAWPO AVE	YAWPO AVE	64 YAWPO AVE	B-2 EAST OAK STREET	C-6 EAST OAK STREET	155 ROUTE 208	1 RARITAN RD	97 YAWPO AVE	29 THACKERAY RD	153 FRANKLIN AVE	S MAEAD COME ADD CT	2 MEADOWLARN CI	BACK LAKESINE SI VD	19 HOBBY LANE	13 HOBBY LANE	FRANKLIN AVE-R O W	32 LAKESHORE DR	439 RAMAPO VLY RD	CEDAR ST	TECUMSEH TRAIL	3 & 5 FRANKLIN AVE	RAMAPO VALLEY RD	22 CERTINIO F AVE	19 SEMINOLE AVE	SEMINOLE AVE	SEMINOLE-HIAWATHA	SEMINOLE AVE	69 MINNEHAHA BLVD	11 MINNEHAHA BLVD.	9 MINNEHAHA BLVD.	HIAWATHA BLVD	CALUMET AVE	HIAWATHA BLVD	140 HIAWATHA BLVD	58 RAMAPO HILLS BLVD	RAM HILLS BLVD ROW	LAKESIDE BLVD
15	77	Ħ	2	₹7	ᆏ	4 1	v 6	? F	36	40	25.	101	112	æ	6	10	42.07	42.56	ന	m	. ⊢	2	?) (D, C	13	78	33.5	34	18	4	m	4	4	39	41	13	3 5	32	33	45	42	64	65	т	17	1.8	19	25	29	38
2302	2302	2401	2401	2401	2704	2901	2901	3001	3703	3703	3703	3801	3801	3902	3902	3903	3903	3903	4003	4005	4101	4301	4302	4303	4303	0000	4303	4303	4401	4502	4508	4508	4601	4601	4601	4602	4602	4602	4602	4602	4701	4701	4701	4802	4803	4803	4803	5002	2005	2005
407	23	431	430	429	299	342	341	738	531	200	504	32	298	757	548	269	220	721	783	776	811	128	756	362	964	963	951	942	1086	1290	1283	1282	1133	1384	1388	1409	1390	1454	1455	1403	1320	1139	1137	1500	110	1491	1428	1968	1753	1696

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OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND NJ	OAKLAND, N.J.
MUNICIPAL BLDG	31 MASSASOIT TRL	76 LAKESIDE BLVD	84 LAKESIDE BLVD	MUNICIPAL BLDG	5 IROQUOIS AVE	MUNICIPAL PLAZA
146 MANITO AVE	31 MASSASOIT TR	76 LAKESIDE BLVD	84 LAKESIDE BLVD	HIAWATHA BLVD	5 IROQUOIS AVE	HEMLOCK ST
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JONATHAN N. HARRIS

JEFFER, HOPKINSON & VOGEL 1600 Route 208 North P.O. Box 507 Hawthorne, New Jersey 07507 Tcl. (973) 428-0100 Attorneys for Plaintiff, PINNACLE COMMUNITIES LTD.

PINNACLE COMMUNITIES LTD. and BI-COUNTY DEVELOPMENT CORPORATION.

) DOCKET NO.: BER-L-8848-99

(Consolidated With BER-L-2444-00)

SUPERIOR COURT OF NEW JERSEY
LAW DIVISION

Civil Action (Mount Laurel)

BERGEN COUNTY

Plaintiffs,

vs. BOROUGH OF OAKLAND and

TOWNSHIP OF WAYNE,

Defendants.

ORDER OF FINAL JUDGMENT

BAKER RESIDENTIAL, L.P., and THOMJAC, INC.,

Plaintiffs,

VS.

BOROUGH OF OAKLAND and TOWNSHIP OF WAYNE,

Defendants.

THIS MATTER having come before the Court on the date designated for triand the parties having filed cross-motions for summary judgment, Jerome A. Voge Esq., of Jeffer, Hopkinson & Vogel, appearing on behalf of Pinnacle Communitie Ltd.; David R. Oberlander, Esq., of Flaster Greenberg, appearing on behalf of E County Development Corp., Michael B. Kates, Esq., of Nashel Kates, Nussmar Rapone, Ellis & Traum, appearing on behalf of Baker Residential; Joseph V MacMahon, Esq., of Struble, Ragno, Petrie, Spinato, Bonanno, MacMahon, & Conta appearing on behalf of the Borough of Oakland; Joseph J. Maraziti, Jr., Esq., of Maraziti, Falcon & Healey, appearing on behalf of the Township of Wayne; an Laurence R. Maddock, Esq., of Waters, McPherson & McNeill, appearing on behalf of Pines Lake Association; and it appearing that no genuine issue of material face exists, the Court having considered the pleadings, briefs, documents and argument submitted by respective counsel; and for good cause as enunciated in the Court oral opinion on the record on September 5, 2001;

IT IS, on this 26 day of SMEMBER, 2001,

ORDERED, that judgment be and hereby is entered as follows:

ORDERED, that the Township of Wayne has a constitutional obligation is accept all waste water effluent from plaintiffs' qualifying inclusional developments, or either of them, by means of the alternate Pinnacle service optic described in a December 2000 report of Daniel D. Kelly as modified by deposition of May 8, 2001, and as reasonably modified in the future based upon engineering requirements, if any; and it is further

ORDERED, that the Township of Wayne take all necessary municipal action to permit its acceptance of all waste water effluent from plaintiffs' qualifyir inclusionary developments by means of the alternate Pinnacle service optic described in a December 2000, report of Daniel D. Kelly as modified by deposition

on May 8, 2001, and as reasonably modified in the future based upon engineerin requirements.

That the foregoing mandatory injunction, (mandamus), is conditioned on the following:

- (A) Final unappealed COAH substantive certification of a housing element and fair share plan for the Borough of Oakland that includes either or both of plaintiffs' inclusionary developments.
- (B) Final unappealed approval by all Federal and State regulator agencies having jurisdiction over the Township of Wayne's waste wate infrastructure, including, but not necessarily limited to, the New Jerse Department of Environmental Protection, and any funding agencies, if any.
- (C) Receipt of final and unappealed land use development approvals under the Municipal Land Use Law.
- (D) This judgment shall not preclude any party from appearing i opposition to the plaintiffs' projects in any forum lawfully available, including but not limited to the Council On Affordable Housing, the New Jersey Department of Environmental Protection, and the Borough of Oakland Planning Board.

ORDERED, that an interlocal service agreement shall be executed an delivered between the Borough of Oakland and the Township of Wayne to provid for reasonable non-discriminatory fees and charges in relation to the plaintiff connection to the Township of Wayne's waste water infrastructure; and it is furthe:

ORDERED, that the governing bodies of the Township of Wayne and the Borough of Oakland shall work with all deliberate speed to negotiate, execute an

to deliver said interlocal service agreement no later than December 31, 2001, and shall permit input from and cooperate with plaintiffs during the municipa negotiation; and it is further

ORDERED, that the interlocal service agreement, (or if the parties agree in ; separate agreement or agreements) include by way of illustration but not limitation the following:

- (A) the ownership of the 1 to 2 mile pipeline described in the alternation Pinnacle service option, the expense of construction and the expense of construction oversight (inspection by Wayne's construction experts), repair and replacement issues and the costs thereof, the allowance if any for other connections to this pipeline (the Court neither requiring nor prohibiting other connectivity); and
- (B) References and issues concerning connection fees and user fees with deference to debt service and other fiscal matters relating to the sanitary sewe system of the Township of Wayne.

ORDERED, that the Court does not retain jurisdiction but remains available pursuant to the Rules of Court for applications in aid of litigants' rights.

ORDERED, that there shall be no reallocation of costs for attorney's fees t any party; and it is further

ORDERED, that a copy of this Order shall be served upon all attorneys c record in the within matter within seven (7) days of the date hereof.

This motion was:

__unopposed

J.S.C