

# GARDNERS BASIN LIVING SHORELINE INSTALLATION Block 103 Lot 6

**CITY OF ATLANTIC CITY    ATLANTIC COUNTY    NEW JERSEY**

**SHEET INDEX**

- C-1 TITLE SHEET
- C-2 EXISTING CONDITIONS PLAN
- C-3 SITE DEVELOPMENT PLAN
- C-4 PLAN OF CROSS-SECTIONS & DETAILS

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**ARTHUR W. PONZIO CO. & ASSOCIATES, INC.**  
**SURVEYORS, PLANNERS, ENGINEERS**  
 400 NORTH DOVER AVENUE, ATLANTIC CITY, N. J. 08401  
 PHONE: 609-344-8194    FAX: 609-344-1594  
 NEW JERSEY STATE AUTH. NO.: 24GA28001300

NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION

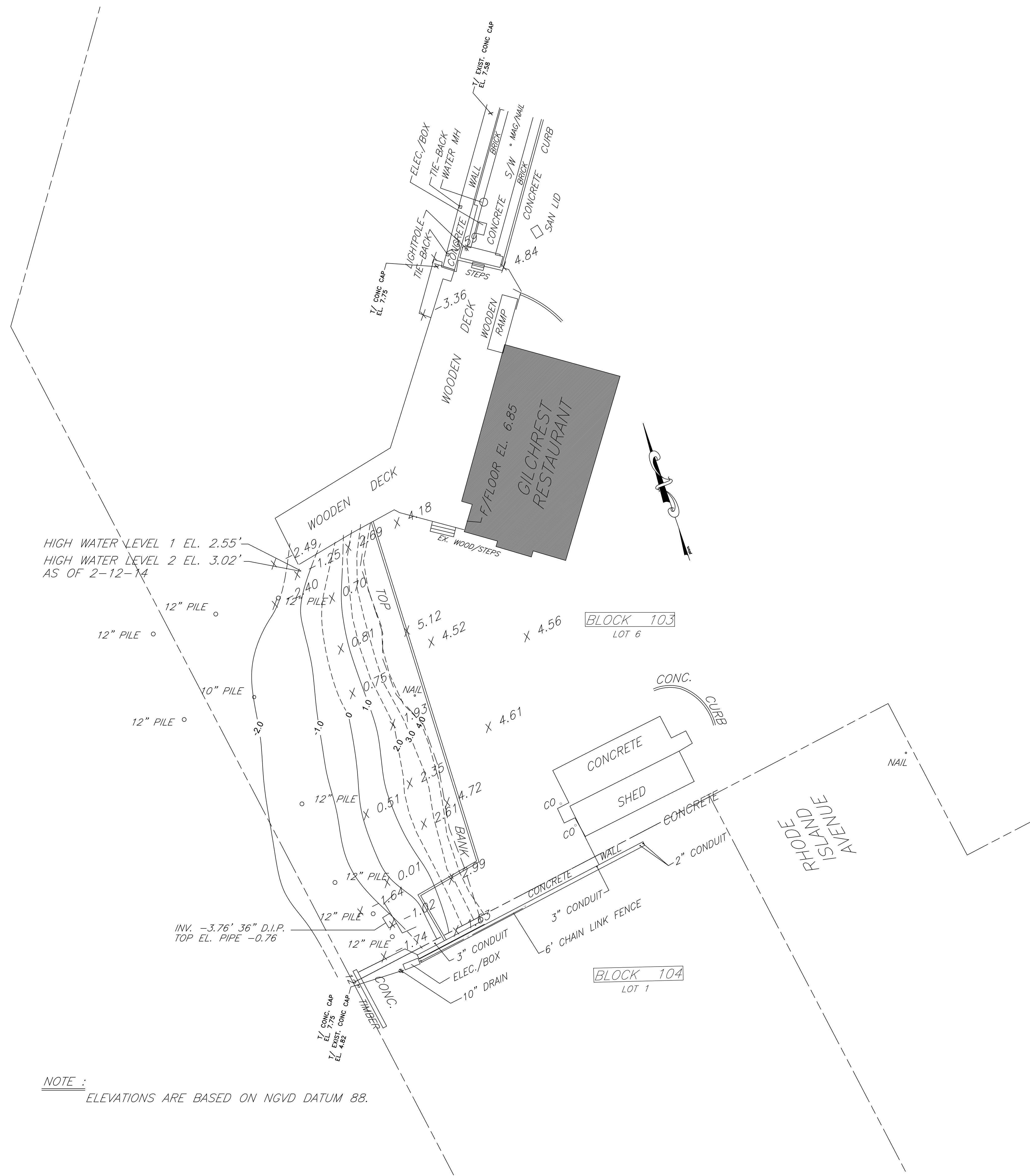
**JON J. BARNHART**  
 PROFESSIONAL PLANNER N.J. NO. 2676  
 PROFESSIONAL ENGINEER N.J. NO. GE43483

**ARTHUR W. PONZIO, JR.**  
 PROFESSIONAL PLANNER N.J. NO. 2676  
 PROFESSIONAL LAND SURVEYOR N.J. NO. 28314

**TITLE SHEET**  
 BLOCK 103    LOT 6  
 ATLANTIC CITY    ATLANTIC COUNTY    NEW JERSEY  
 SCALE: NO SCALE    DATE: 1-15-16    BY: T DASE    PROJ. NO.: 32566

SHEET NO.  
**C-1**  
 SHEET 1 of 4





HIGH WATER LEVEL 1 EL. 2.55'  
 HIGH WATER LEVEL 2 EL. 3.02'  
 AS OF 2-12-14

BLOCK 103  
 LOT 6

BLOCK 104  
 LOT 1

NOTE :  
 ELEVATIONS ARE BASED ON NGVD DATUM 88.

GENERAL NOTES

- SUBJECT PROPERTIES LIE IN FIA FIRM ZONE A8 AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP FOR THIS COMMUNITY.
- PERMANENT MARKERS OMITTED FROM SURVEYOR'S CONTRACT.
- OFFSETS SHOWN ARE GIVEN FOR CHECKING COMPLIANCE WITH DEED RESTRICTIONS AND ZONING REGULATIONS ONLY. OFFSETS SHALL NOT BE USED FOR ANY OTHER PURPOSES. SURVEYOR SHALL NOT HAVE ANY LIABILITY OR RESPONSIBILITY IF THE OFFSETS SHOWN ARE USED OTHER THAN AS INTENDED.
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- SURVEY REFERENCES
- ATLANTIC CITY TAX MAP
  - VARIOUS PROPERTY SURVEYS AND SITE PLANS BY ARTHUR W. PONZIO CO.

PRESENT EPOCH (1983-2001)  
 TIDE STATION: ATLANTIC CITY  
 STEEL PIER : JU0312, STATION ID 8534720

NAVD88 DATUM	NGVD29 DATUM	M.L.L.W. DATUM
4.0	5.0	7.0
3.0	4.0	6.0
2.0	3.0	5.0
1.98 M.H.W.	3.32 M.H.W.	4.60 M.H.W.
1.67 M.H.W.	2.91 M.H.W.	4.19 M.H.W.
1.0	2.0	4.0
0.0	1.0	3.0
0.09 NAVD88	1.34FT	2.62 NAVD 88
-0.41 M.S.L.	1.0	2.71 M.S.L.
-0.44 M.T.L.	0.90 M.T.L.	2.18 M.T.L.
-1.0	0.0	1.0
-2.0	-1.0	0.0
-2.45 M.L.W.	-1.11 M.L.W.	0.17 M.L.W.
-2.82 M.L.L.W.	-1.28 M.L.L.W.	0.00 M.L.L.W.
-3.0	-2.0	-1.0
	-3.0	-2.0
		-3.0

MLLW TO NAVD 88 IS (MLLW-2.62+NAVD88)  
 NGVD 29 TO NAVD IS (NGVD 29 - 1.34 = NAVD88)  
 MLLW TO NGVD29 IS (MLLW- 1.28 = NGVD29)

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NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION

**JON J. BARNHART**  
 PROFESSIONAL PLANNER N.J. NO. [Signature]  
 PROFESSIONAL ENGINEER N.J. NO. GE43483

**ARTHUR W. PONZIO, JR.**  
 PROFESSIONAL PLANNER N.J. NO. 2676 [Signature]  
 PROFESSIONAL LAND SURVEYOR N.J. NO. 28314

EXISTING CONDITIONS / DEMO PLAN  
 BLOCK 103 LOT 6  
 ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY  
 SCALE: 1" = 10'  
 DATE: 1-15-16  
 BY: T DASE  
 PROJ. NO.: 32566

SHEET NO.  
**C-2**  
 SHEET 2 of 4

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**Gardner's Basin Living Shoreline Installation**

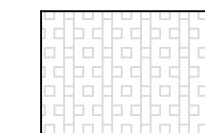
**LEGEND:**



1. **Saltmarsh Cordgrass Wetland** – 1,700 square feet of saltmarsh cordgrass (*Spartina alterniflora*) wetland will be established landward of the proposed low profile stone sills within areas filled or graded to elevation + 1.0 foot. Saltmarsh cordgrass will extend upslope to elevation + 1.5 feet. The saltmarsh cordgrass planting will consist of 850, two (2)-inch plugs. Each plug shall consist of a minimum of four (4) stems with a well established root mass within it's container. Plugs will be planted on a minimum grid of 18-inches on center throughout the planting area. Plugs shall be planted such that their root mass is buried one half (1/2) to three quarter (3/4)-inch below the marsh surface with soil packed around the plug. Each plug shall receive a 30 gram application of 19-6-12 Osmocote fertilizer (or equivalent) at the time of planting.

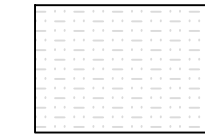


2. **Salt Meadow Cordgrass** – On the proposed embankment between elevations of + 1.5 feet to + 3.0 feet, 300 salt meadow cordgrass (*Spartina alterniflora*) plugs shall be installed on one (1) foot centers throughout the area. Each plug shall be planted and fertilized as specified for salt marsh cordgrass (*S. alterniflora*) above.



3. **Native Landscape Area** – Following placement of topsoil and soil amendment as needed, an area of native landscaping shall be established on the proposed embankment. Prior to placement of soil erosion matting, the native landscape area shall be seeded throughout with three (3) pounds of Ernst conservation seeds: Native Steep Slope Mix with Annual Ryegrass (ERNMX-18). Two (2) pounds of switch grass (*Panicum virgatum*) shall also be seeded throughout the native landscape area.

In addition to establishing stabilization by native and warm season grasses, 18 shrubs will be planted at random through the area spaced roughly on six (6) feet centers. Shrubs shall consist of a minimum three (3) to four (4) feet tall container nursery grown stock. Species shall consist of six (6) high tide bush (*Iva frutescens*) planted along the lower portion of the slope, six (6) groundsel tree (*Baccharis halimifolia*) planted on mid to upper slope areas and six (6) bayberry (*Morella pensylvanica*) planted along the upper slope. Each transplant shall receive a subsurface application of Agriform tablets, 20-10-5 at the manufactures recommended rates at the time of planting.



4. **Upper Landscape Area** – The upland landscape area will be a mowed and managed area established with cool season grasses (tall fescue, Kentucky bluegrass, annual ryegrass, and perennial ryegrass). Following top soiling, seeding and any necessary soil amendments, the area will be stabilized with soil erosion matting.

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**SURVEY REFERENCES**

- ATLANTIC CITY TAX MAP
- A PLAN OF A PORTION OF ATLANTIC CITY ENTITLED "CURB ELEVATIONS & STORMWATER DRAINS"
- VARIOUS PROPERTY SURVEYS AND SITE PLANS BY ARTHUR W. PONZIO CO.



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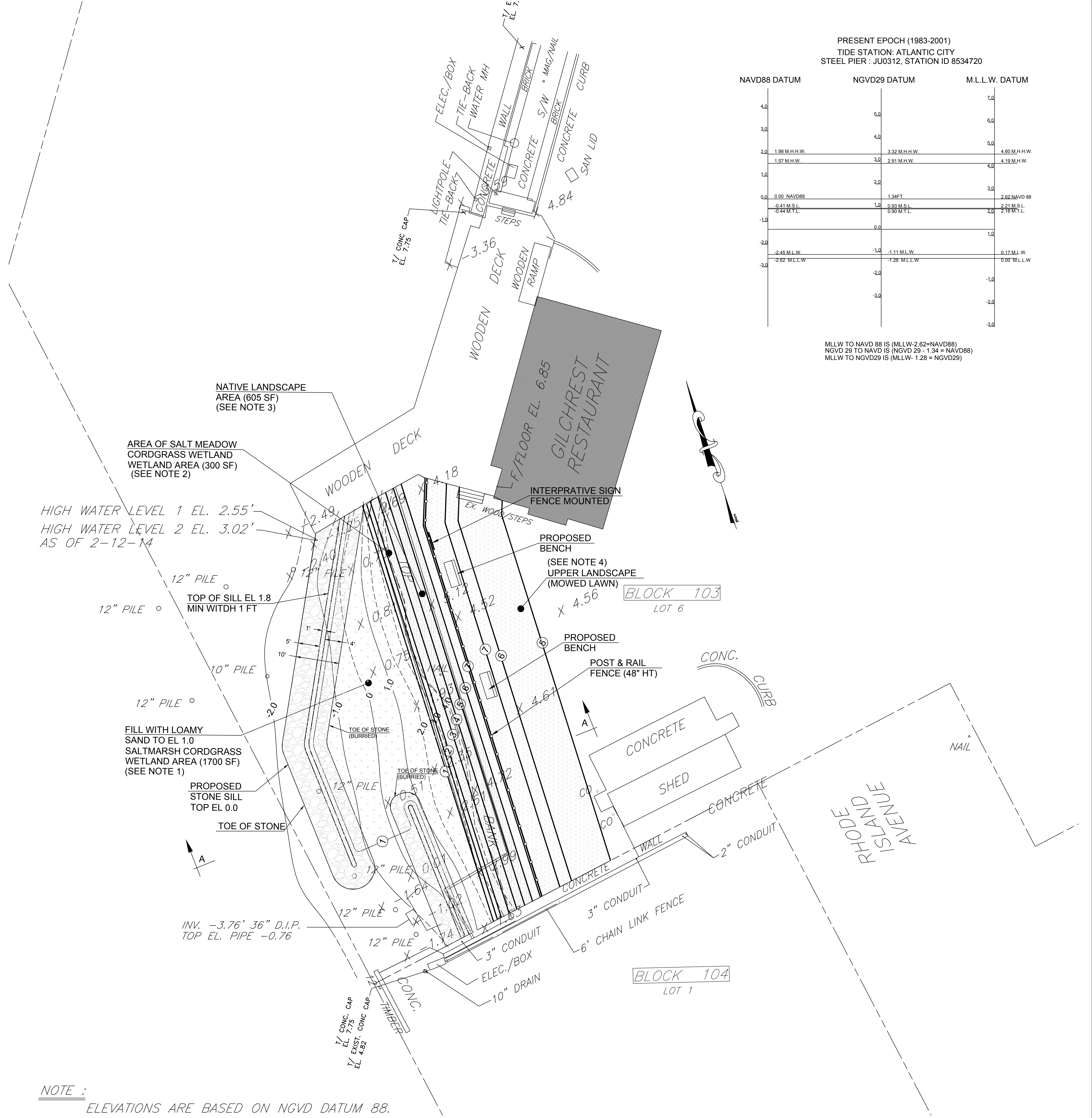
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**SITE DEVELOPMENT PLAN**  
 BLOCK 103 LOT 6  
 ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY  
 SCALE: 1" = 10'  
 DATE: 1-15-16  
 BY: T DASE  
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SHEET NO.  
**C-3**  
 SHEET 3 of 4



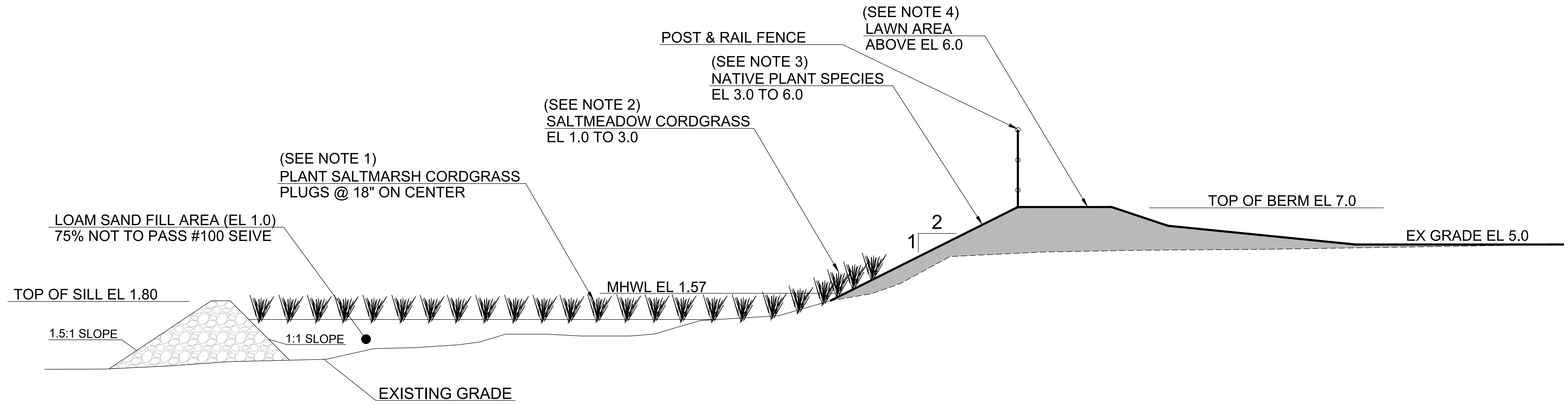
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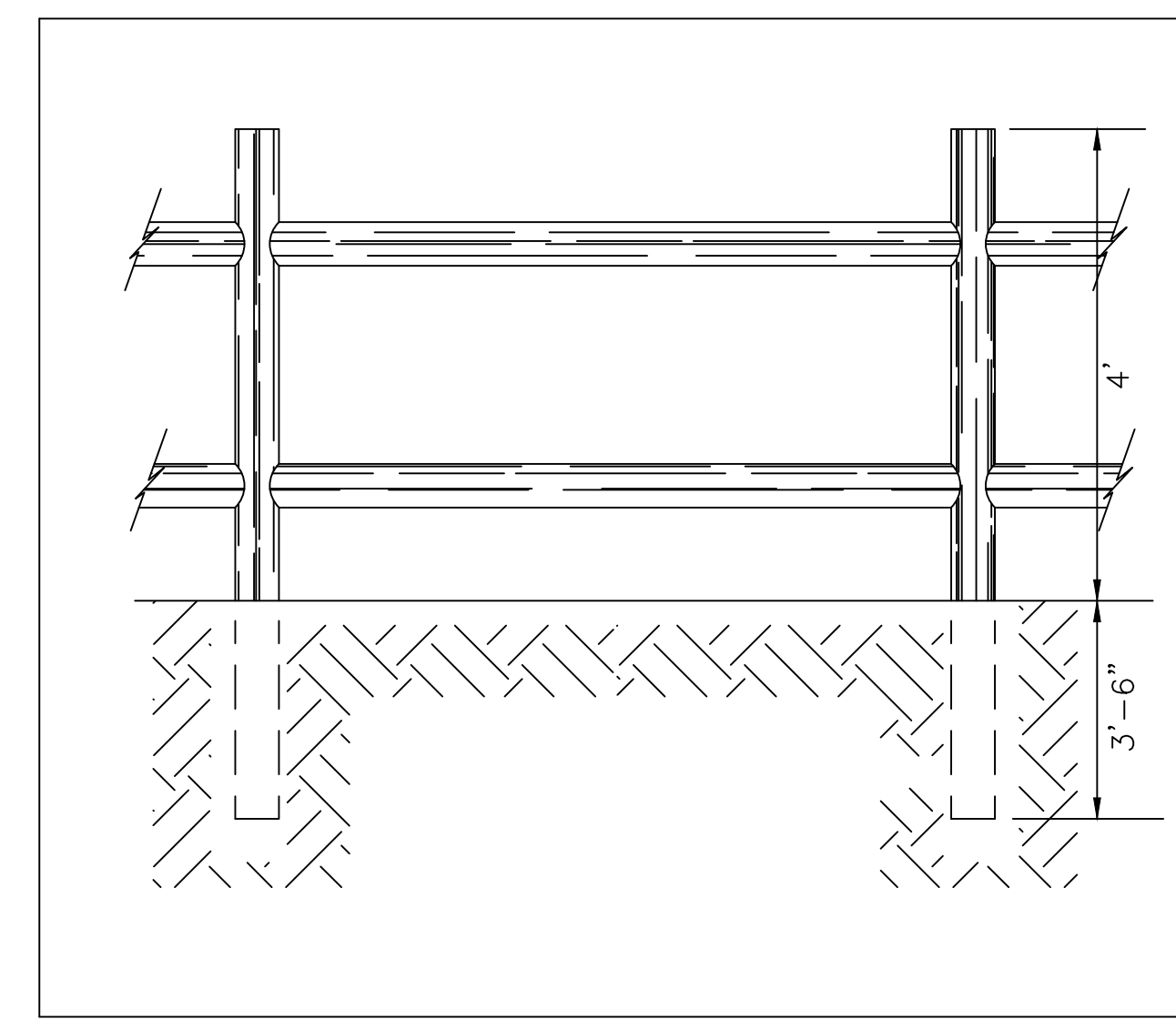
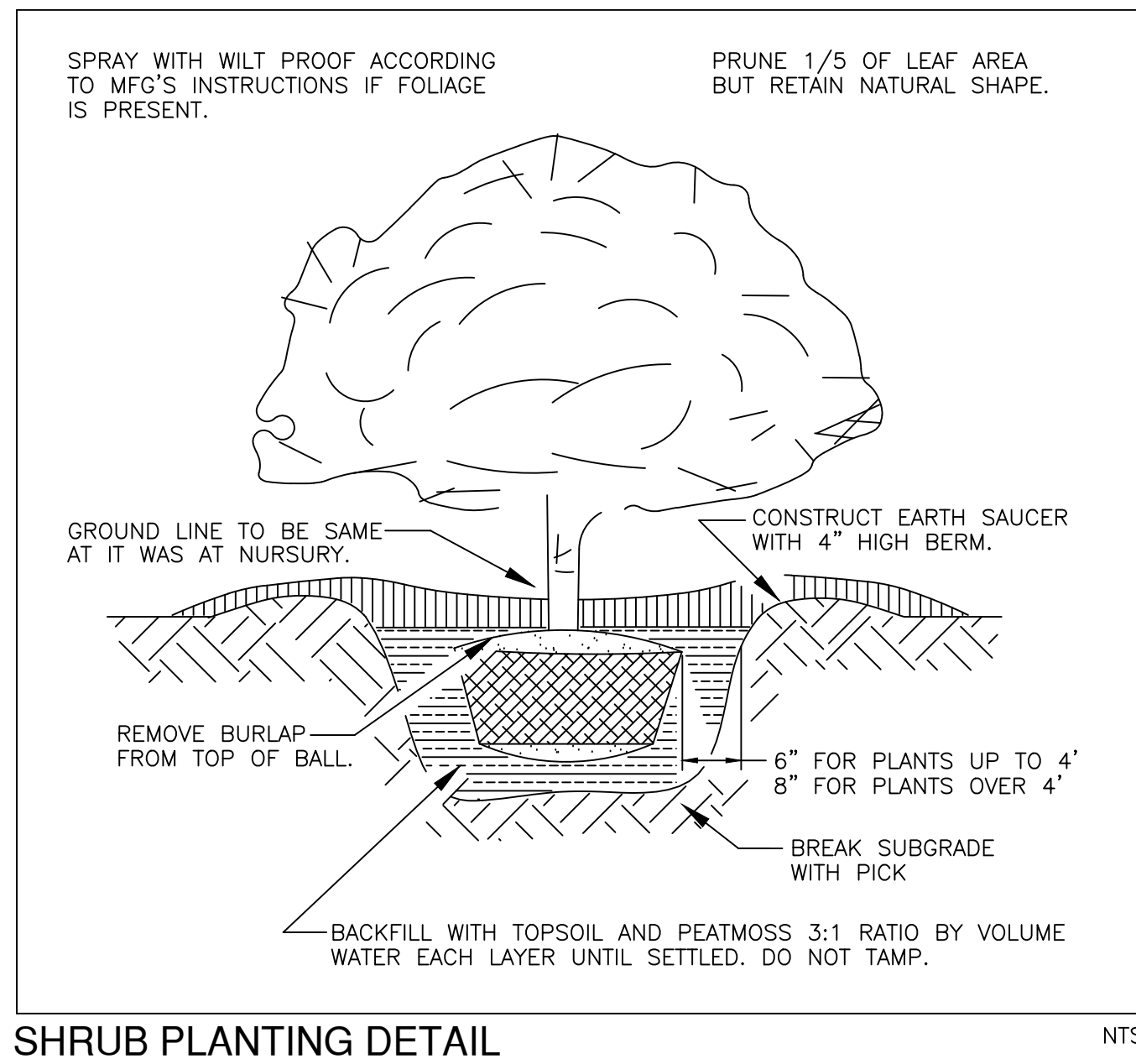
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# SECTION A-A



POST AND RAIL FENCE

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**AWP**

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**PROFILES & DETAILS**  
 BLOCK 103 LOT 6  
 ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY  
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 DATE: 1-15-16 PROJ. NO.: 32566