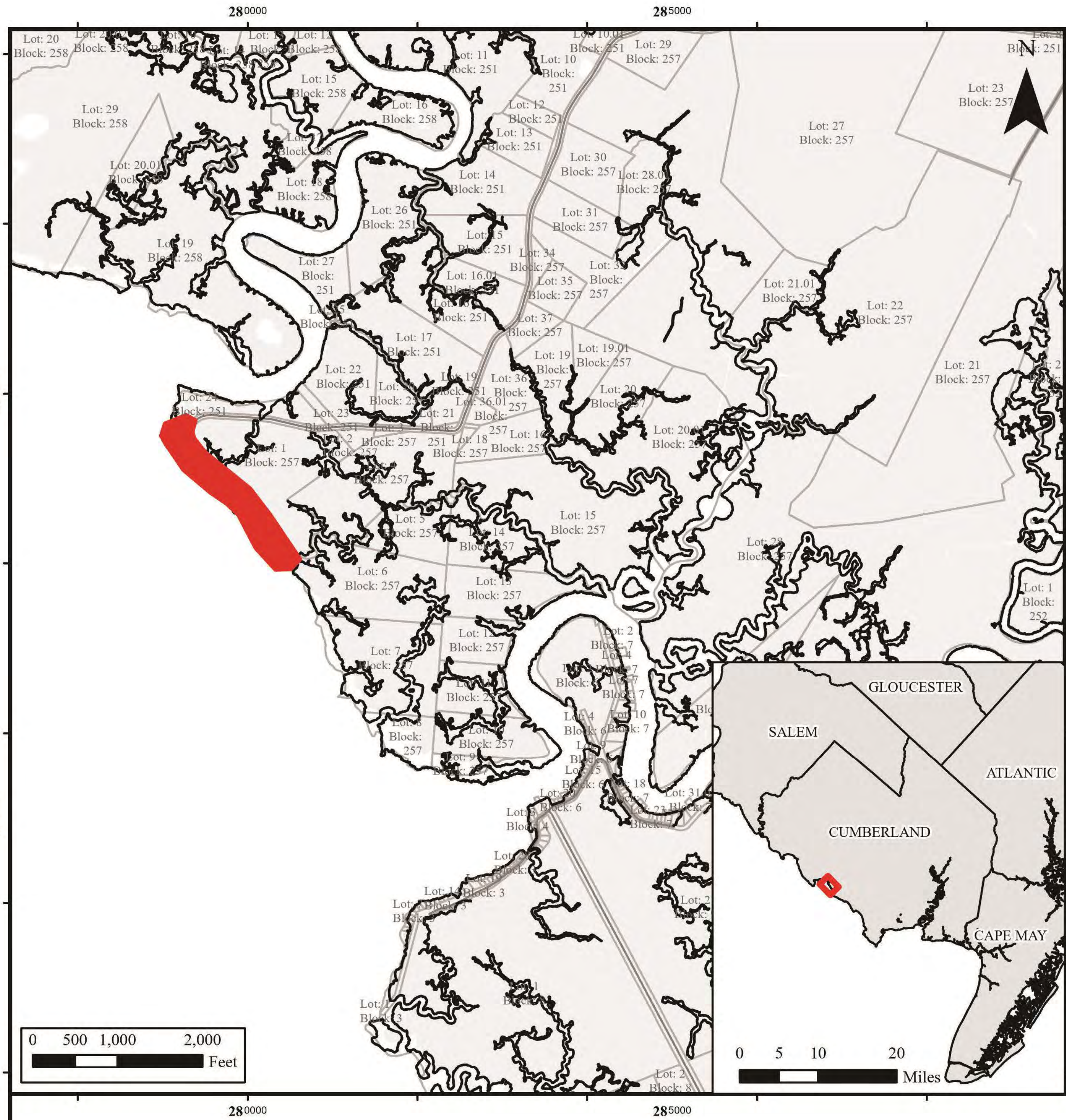




State of New Jersey
Department of Environmental Protection
Blue Acres Program

Plans Of
Bay Point Habitat Restoration Project

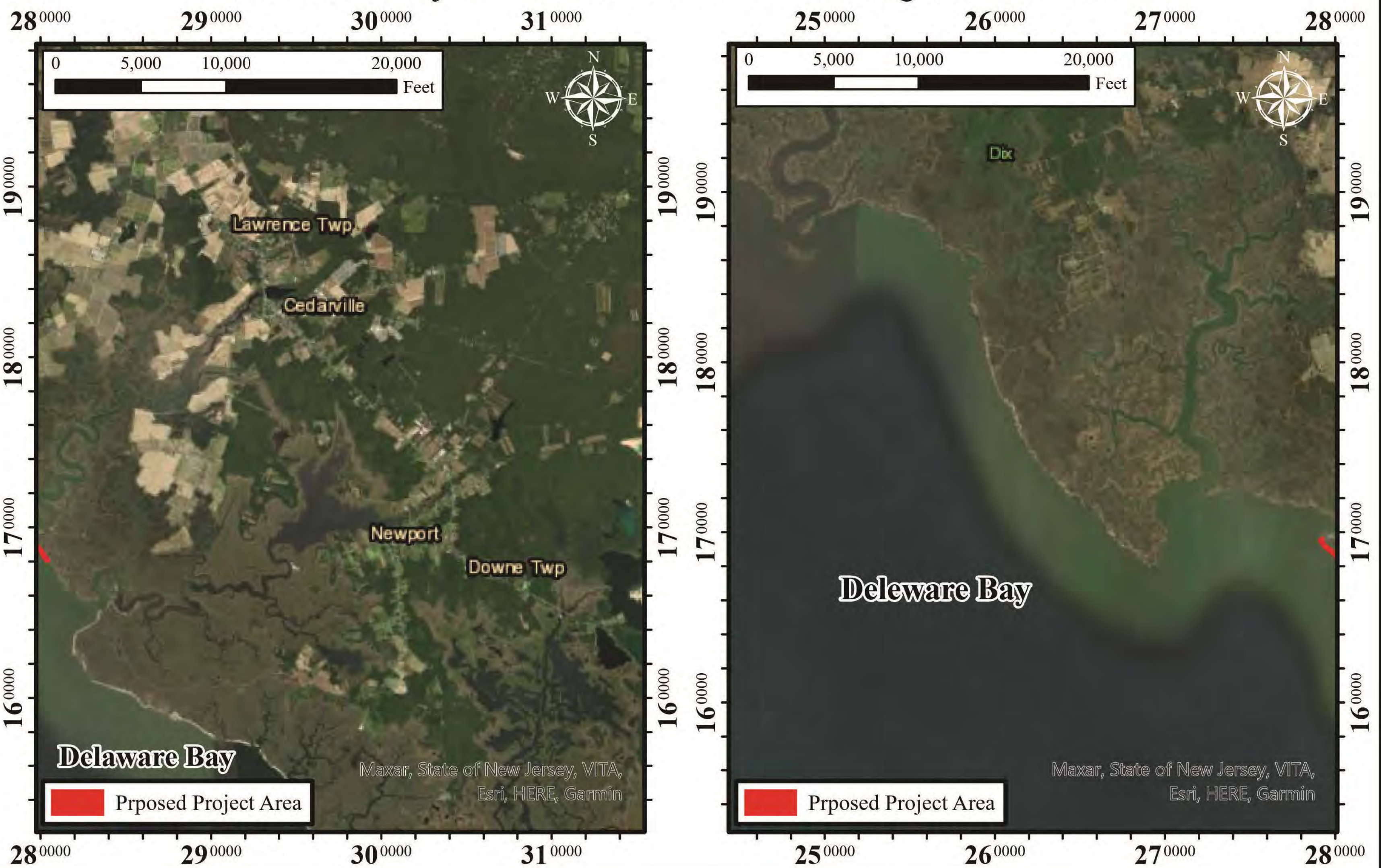
Index of Sheets	
Sheet No.	Description
1	Title, Quad, Location Maps
2	Overview
3 - 4	Restoration 1
5	Restoration 2
6 - 7	Restoration 3
8 - 13	Cross Section Details
14 - 16	Rubble Areas

Bay Point Quadrant Map:
USGS Cedarville Quadrant, 162

Bay Point Quadrant Map:
USGS Ben Davis Point, 161

Total Length of Project = 1,850 Lin. Ft or 0.35 Miles

Mid Point of Project = Latitude: 39° 17' 42.1" N Longitude: -75° 15' 2.9" W



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Bay Point Restoration
Lawrence Twp ,Cumberland County, NJ
Title Page

DRAWN: Matthew Deibert

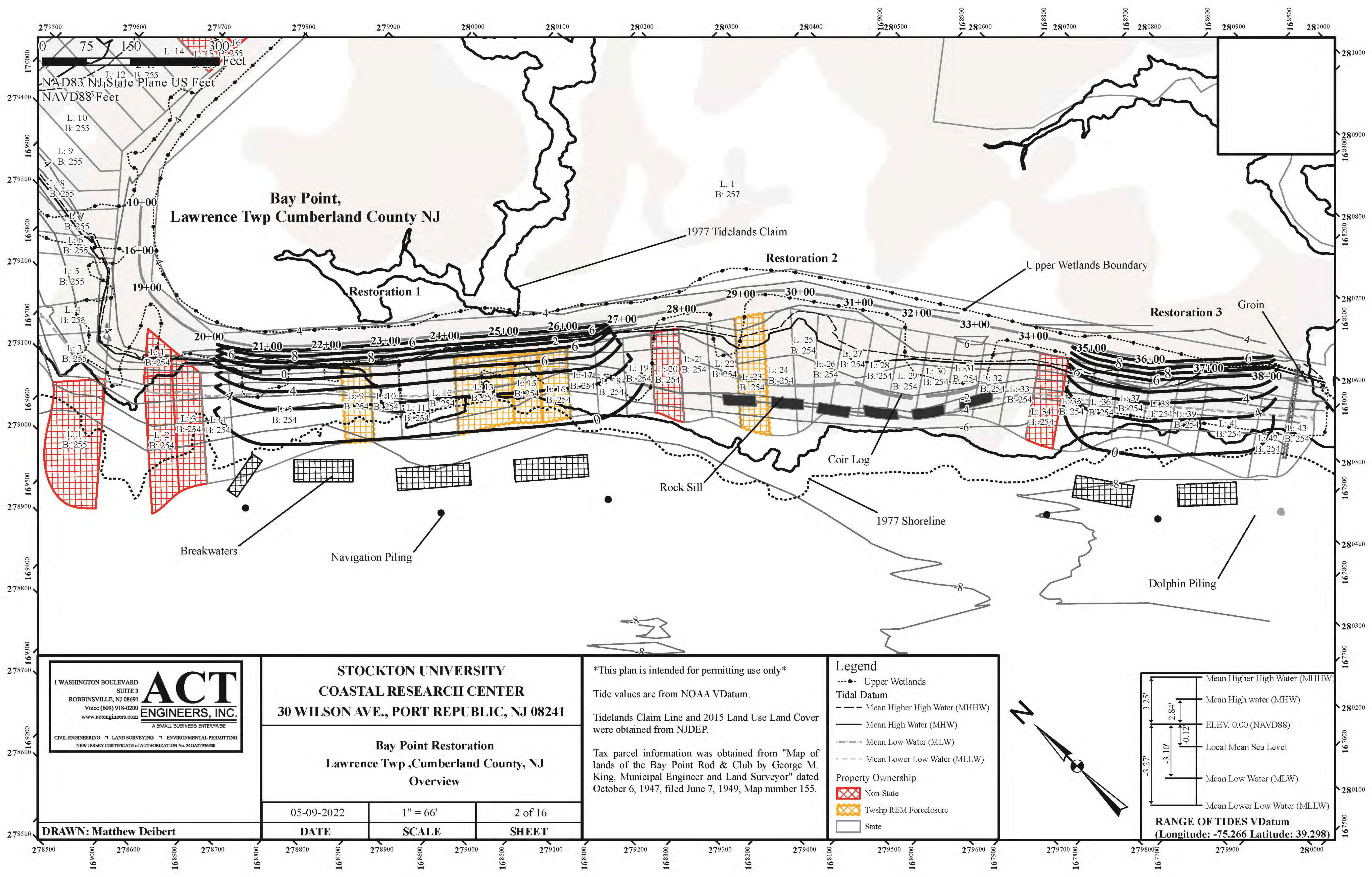
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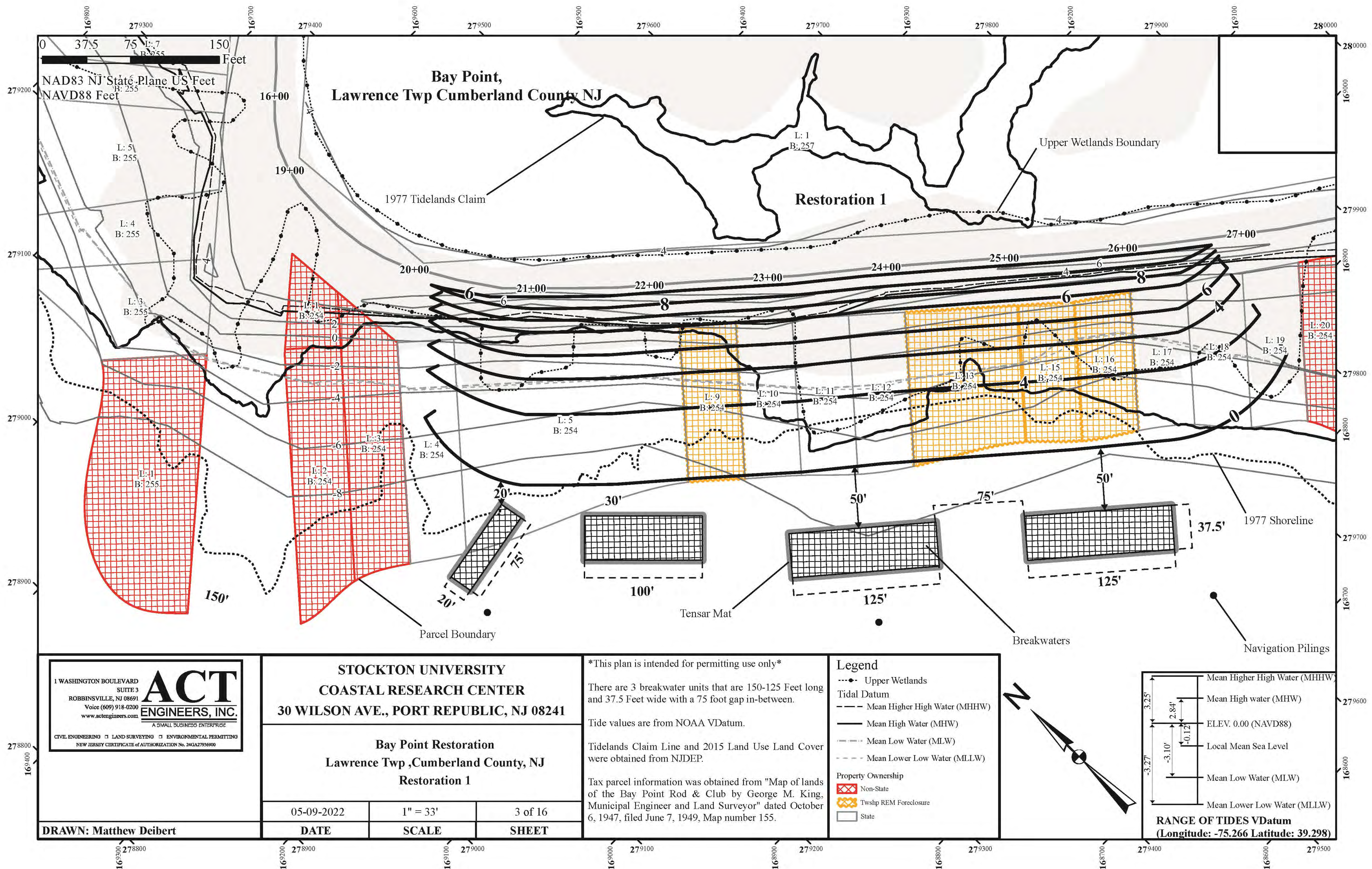
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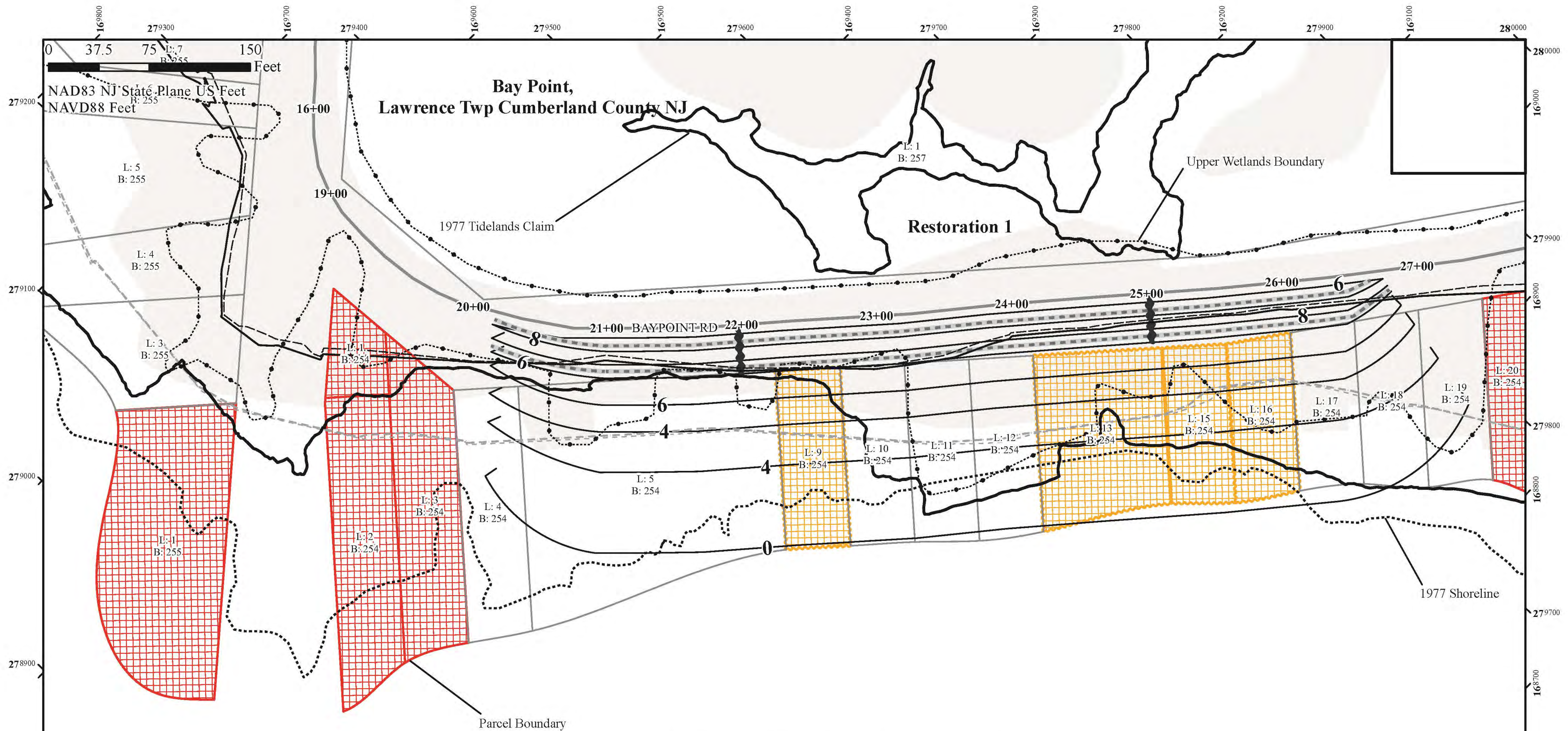
SCALE

1 of 16

SHEET







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Bay Point Restoration
Lawrence Twp ,Cumberland County, NJ
Restoration 1 - Detail

05-09-2022

1" = 33'

4 of 16

DRAWN: Matthew Deibert

DATE

SCALE

SHEET

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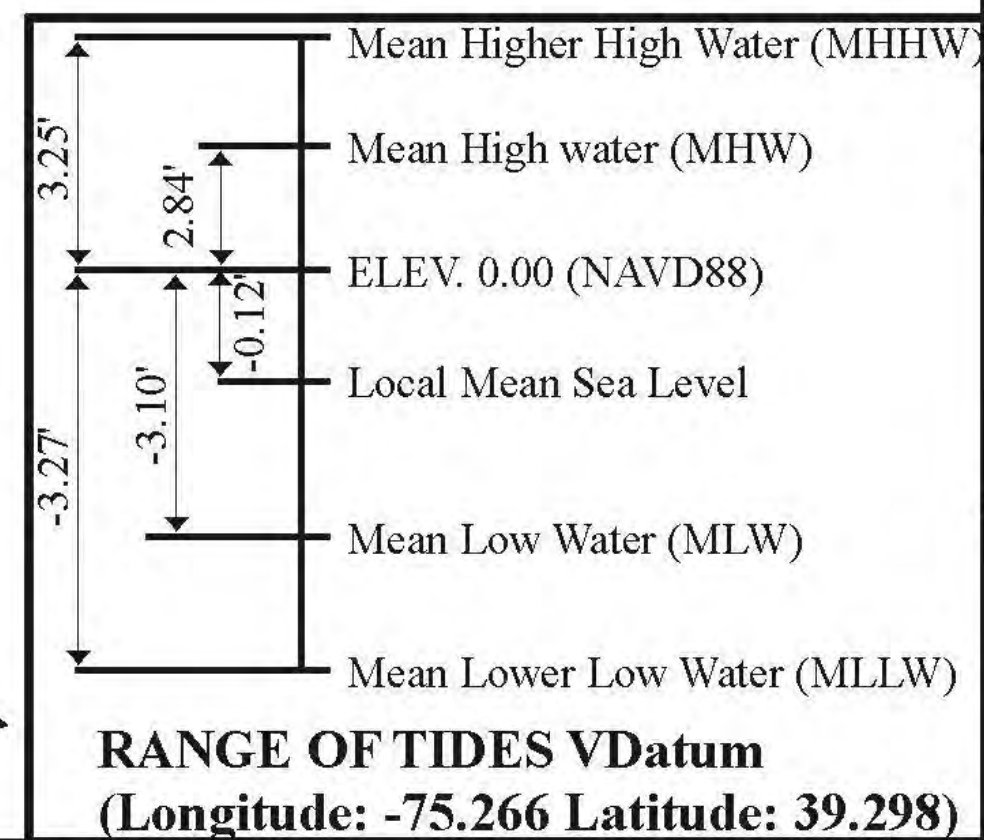
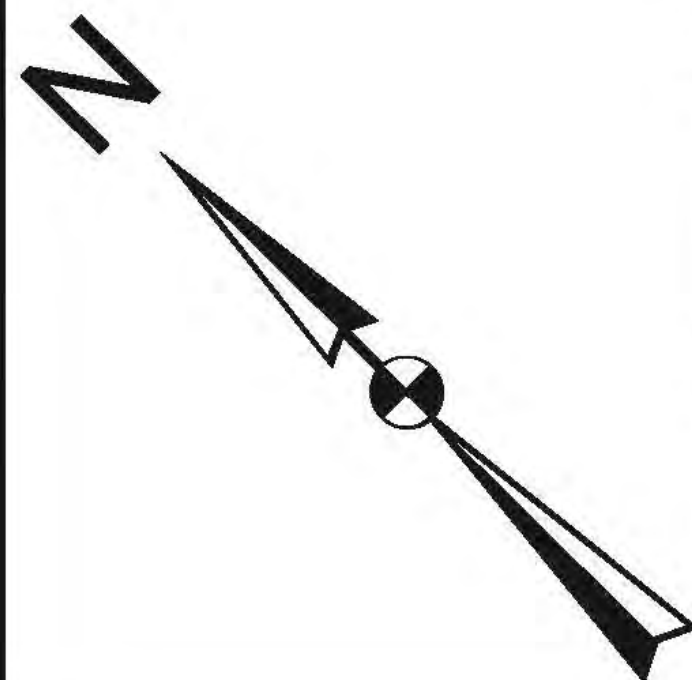
Access ramps are 5' wide and 75' long.

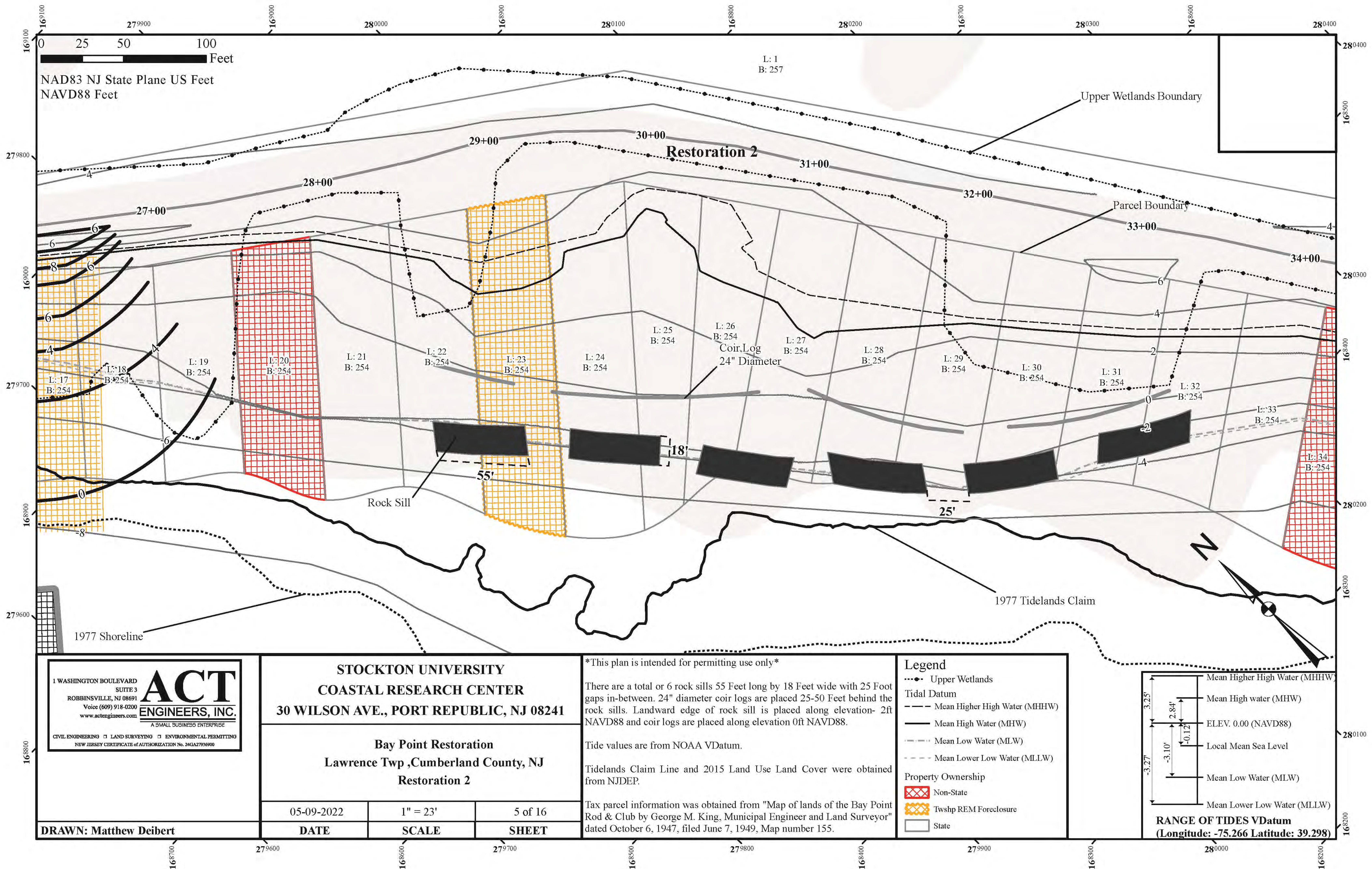
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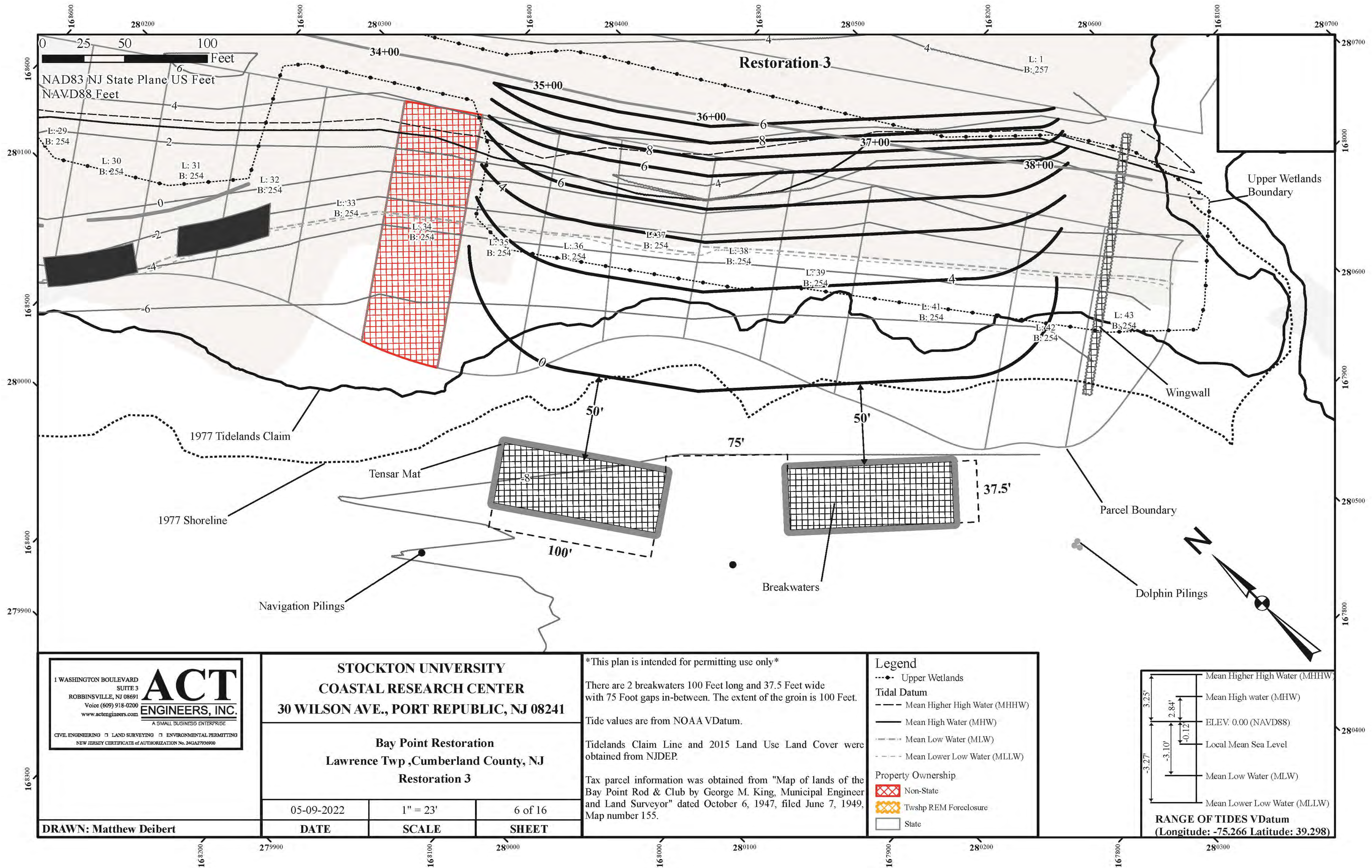
Tax parcel information was obtained from "Map of lands of the Bay Point Rod & Club by George M. King, Municipal Engineer and Land Surveyor" dated October 6, 1947, filed June 7, 1949, Map number 155.

Legend

- Upper Wetlands
- Tidal Datum
 - Mean Higher High Water (MHHW)
 - Mean High Water (MHW)
 - Mean Low Water (MLW)
 - Mean Lower Low Water (MLLW)
- Property Ownership
 - Non-State
 - Twship REM Foreclosure
 - State
- Access Paths
- Dune Fence







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Bay Point Restoration
Lawrence Twp ,Cumberland County, NJ
Restoration 3

05-09-2022

1" = 23'

6 of 16

DRAWN: Matthew Deibert

DATE

SCALE

SHEET

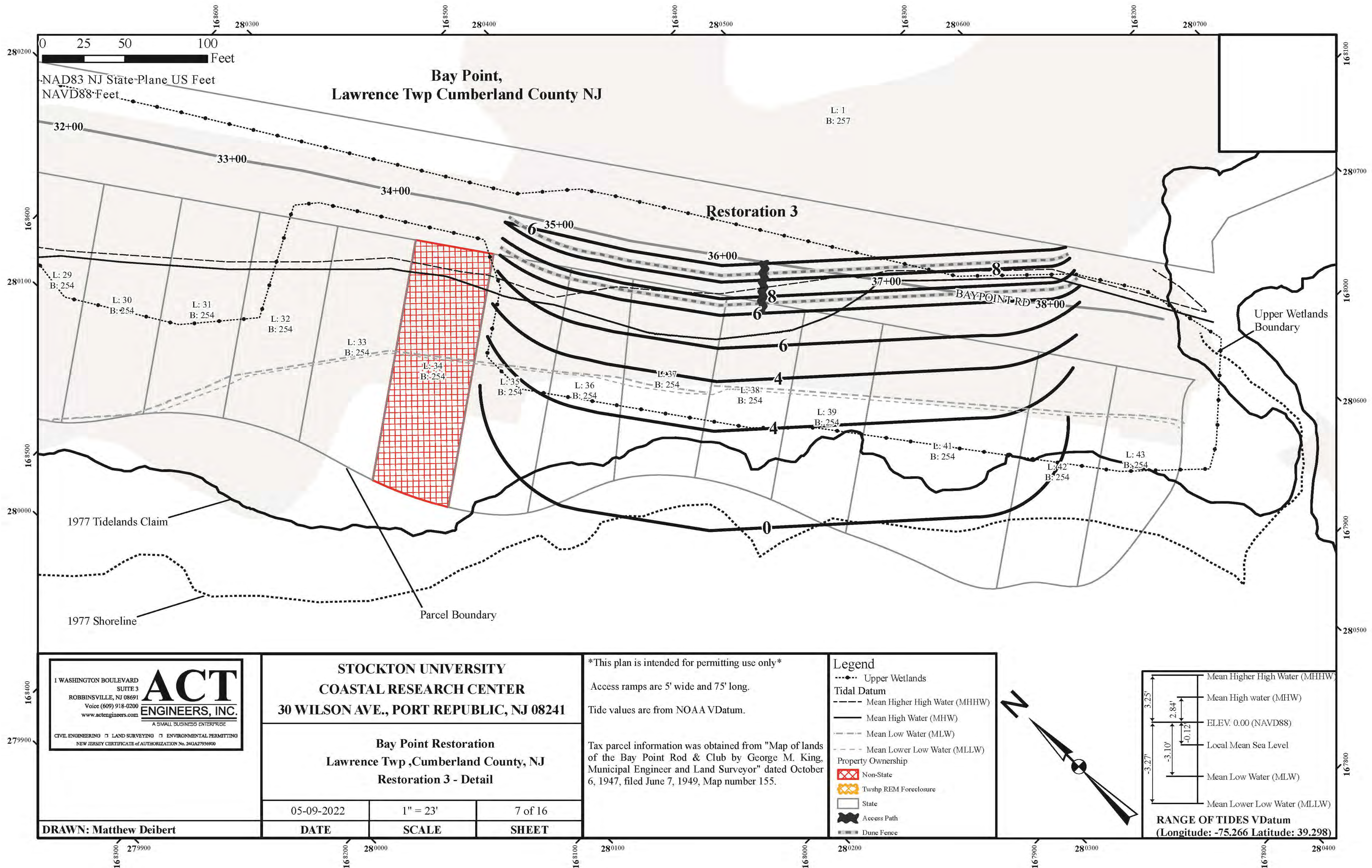
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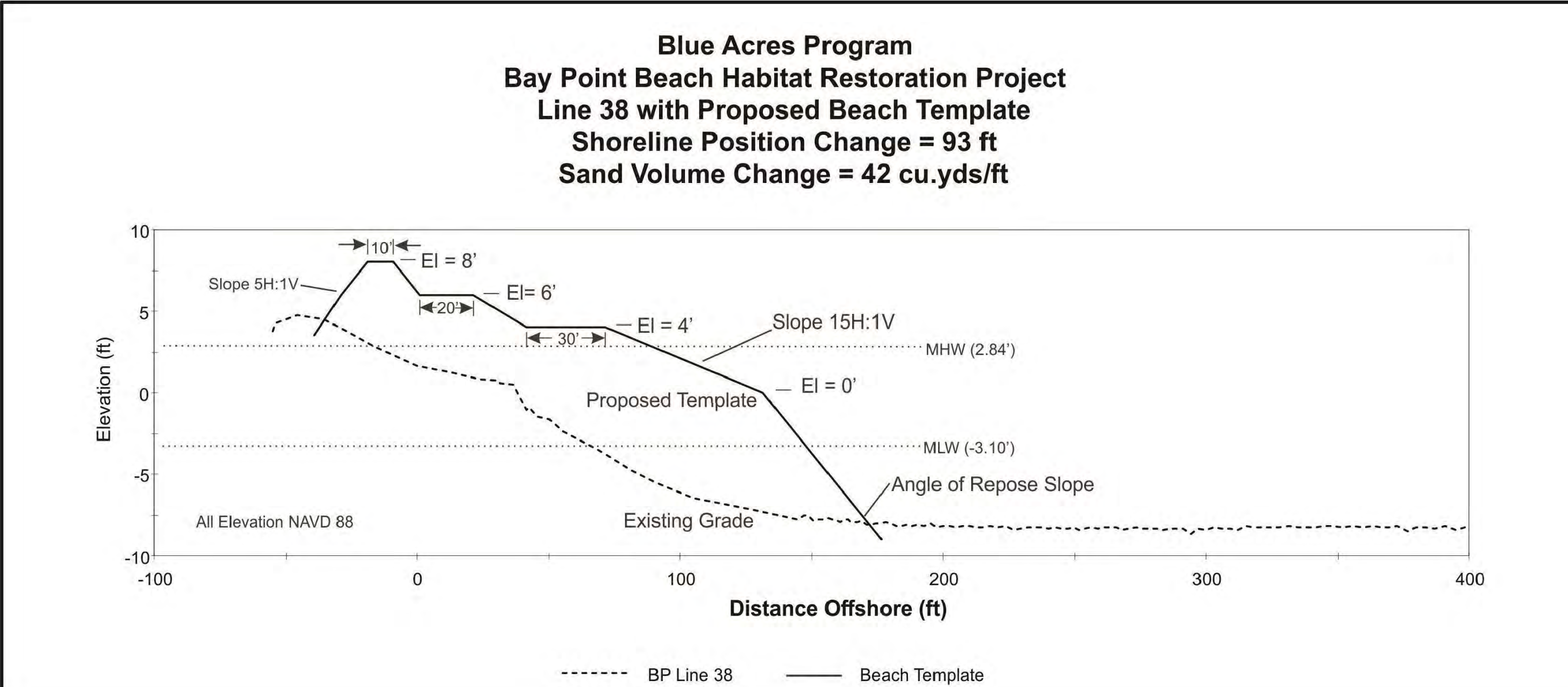
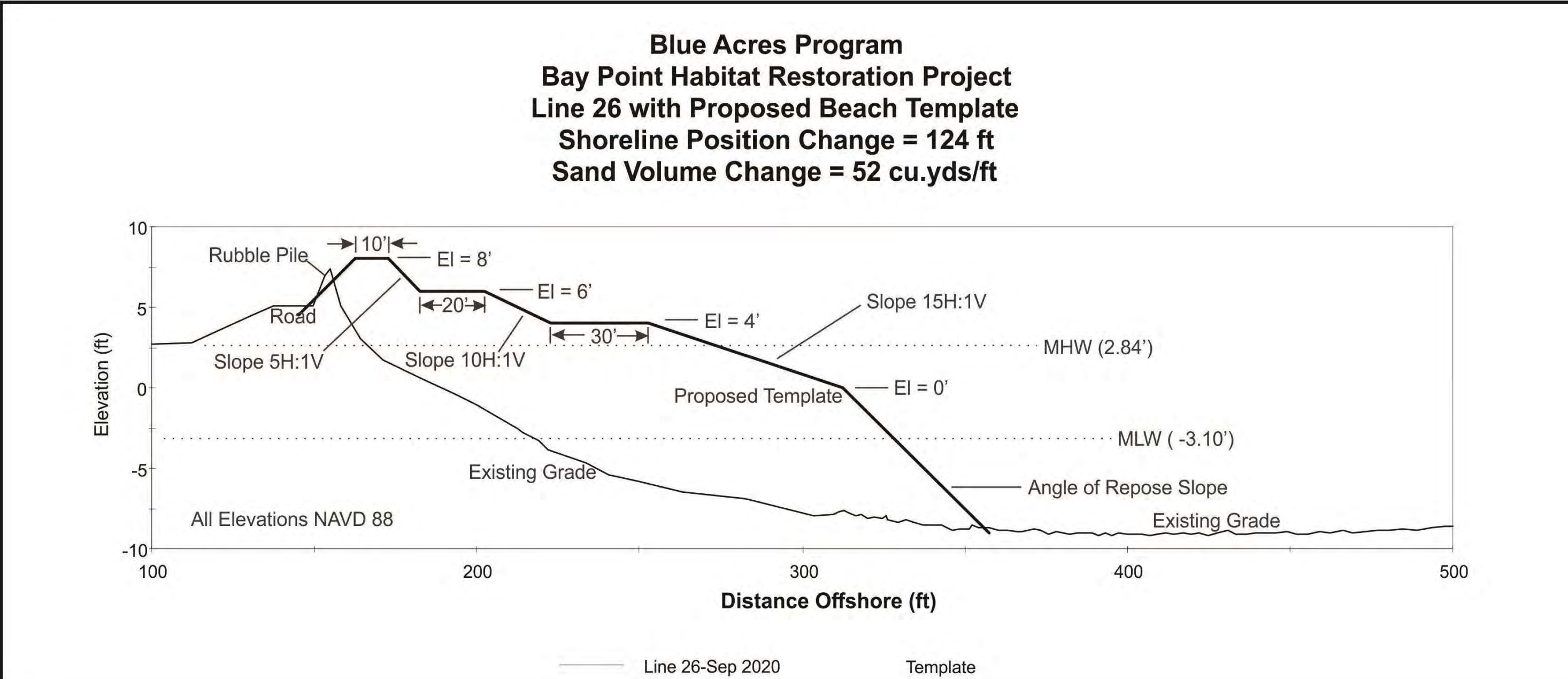
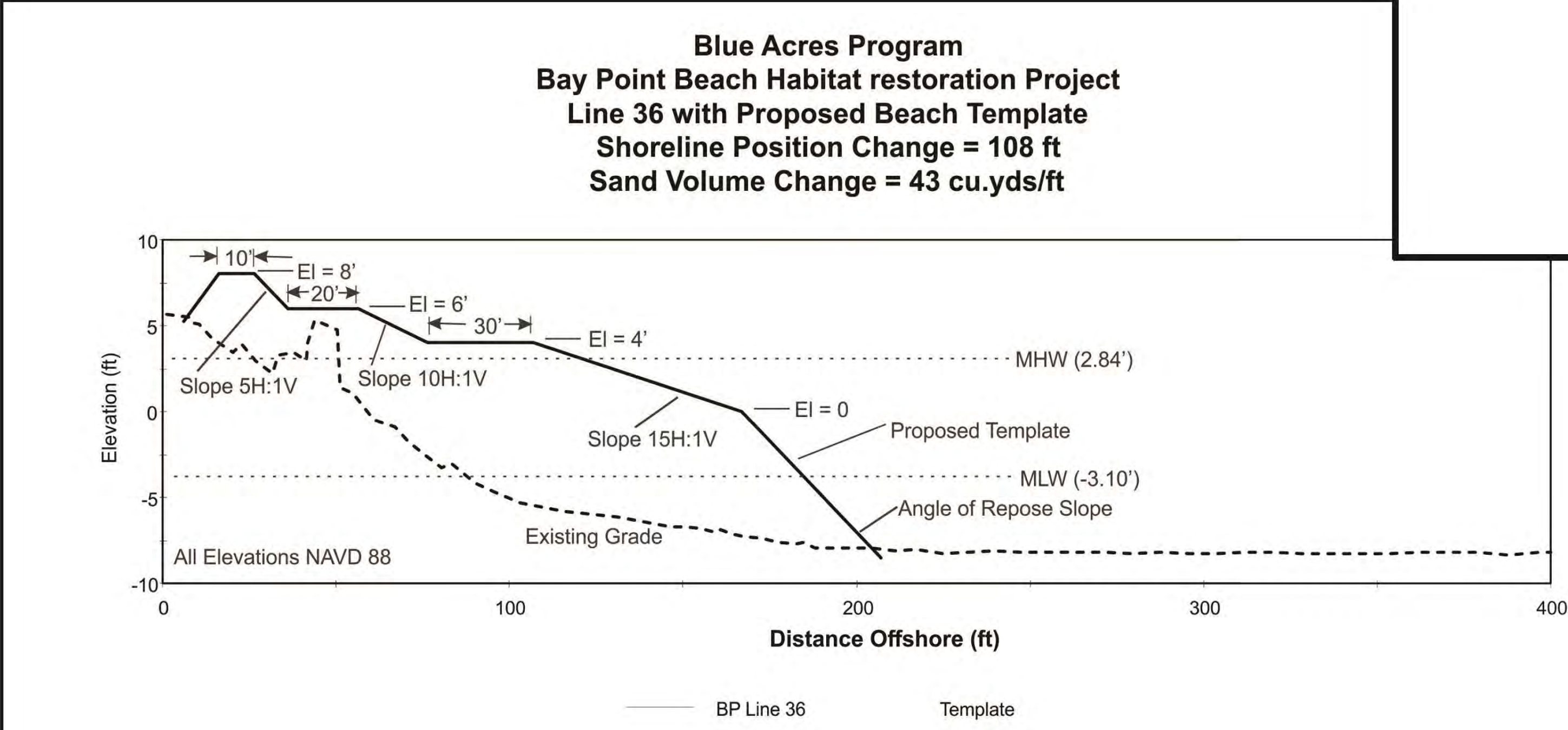
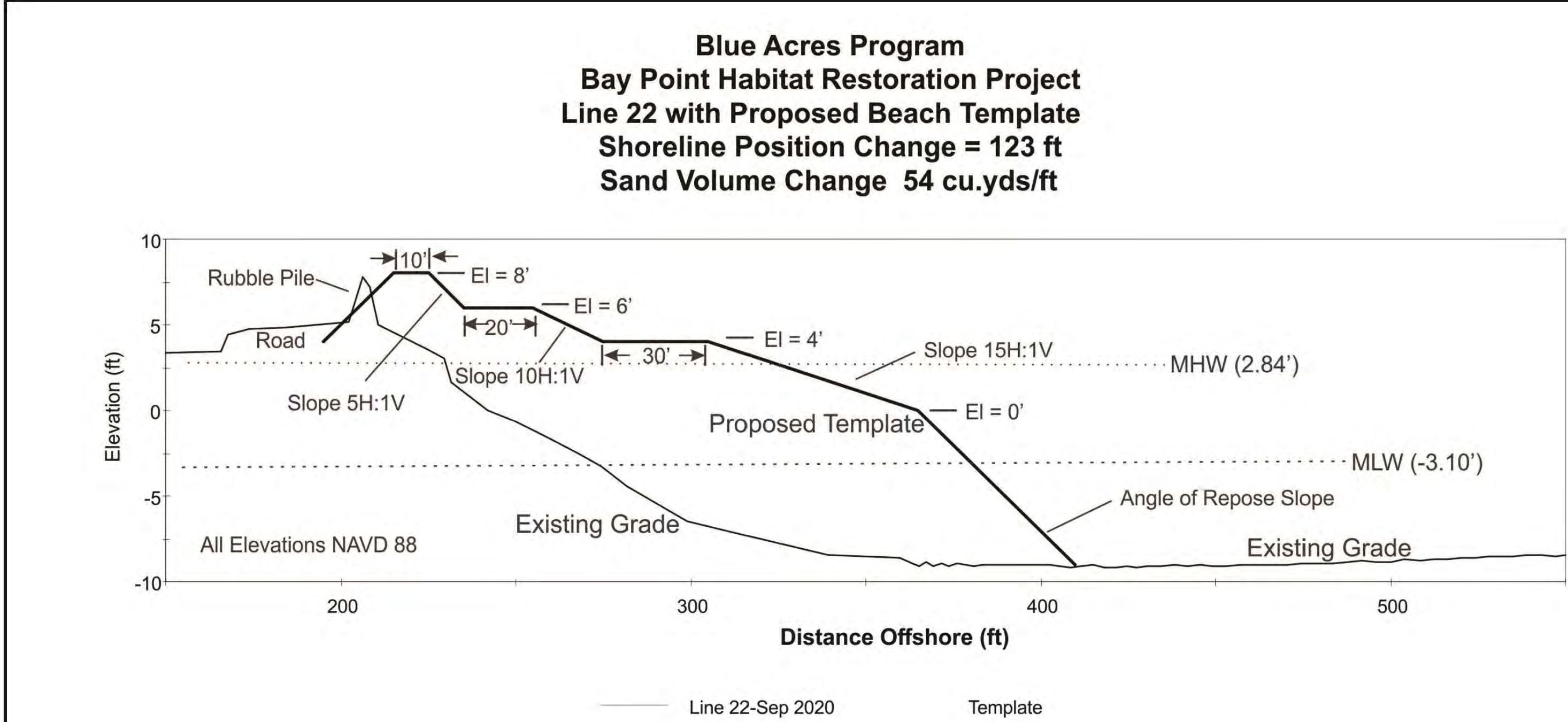
There are 2 breakwaters 100 Feet long and 37.5 Feet wide with 75 Foot gaps in-between. The extent of the groin is 100 Feet.

Tide values are from NOAA VDatum.

Tidelands Claim Line and 2015 Land Use Land Cover were obtained from NJDEP.

Tax parcel information was obtained from "Map of lands of the Bay Point Rod & Club by George M. King, Municipal Engineer and Land Surveyor" dated October 6, 1947, filed June 7, 1949, Map number 155.





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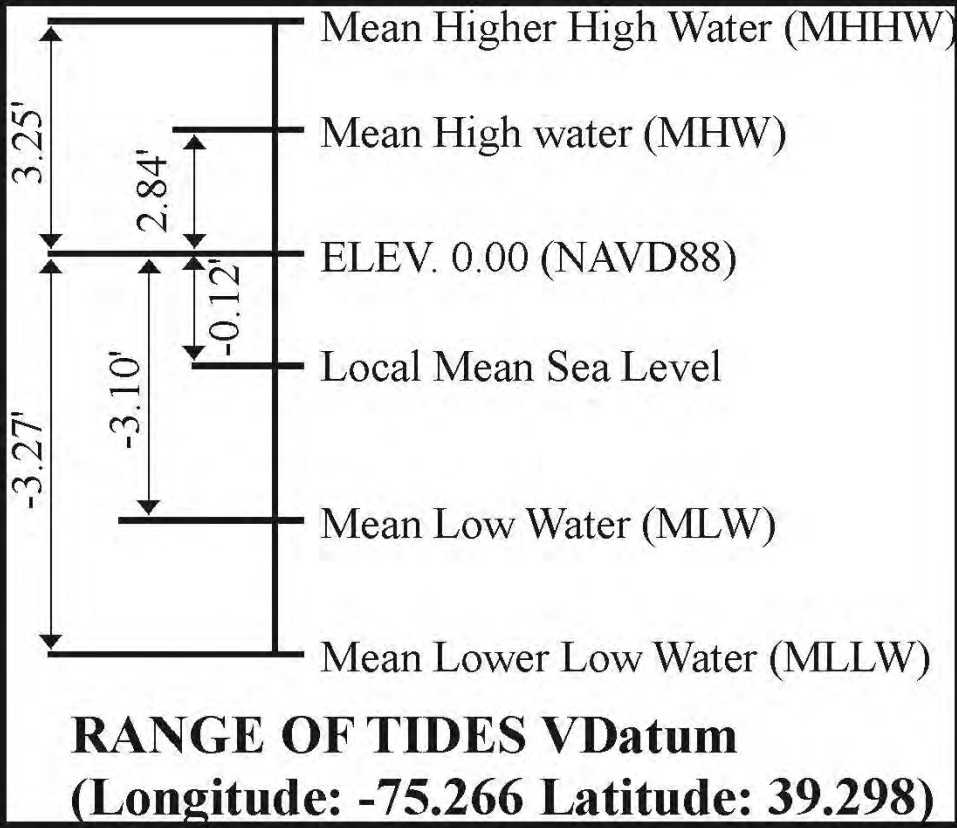
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Bay Point Restoration
Lawrence Twp ,Cumberland County, NJ
Detail

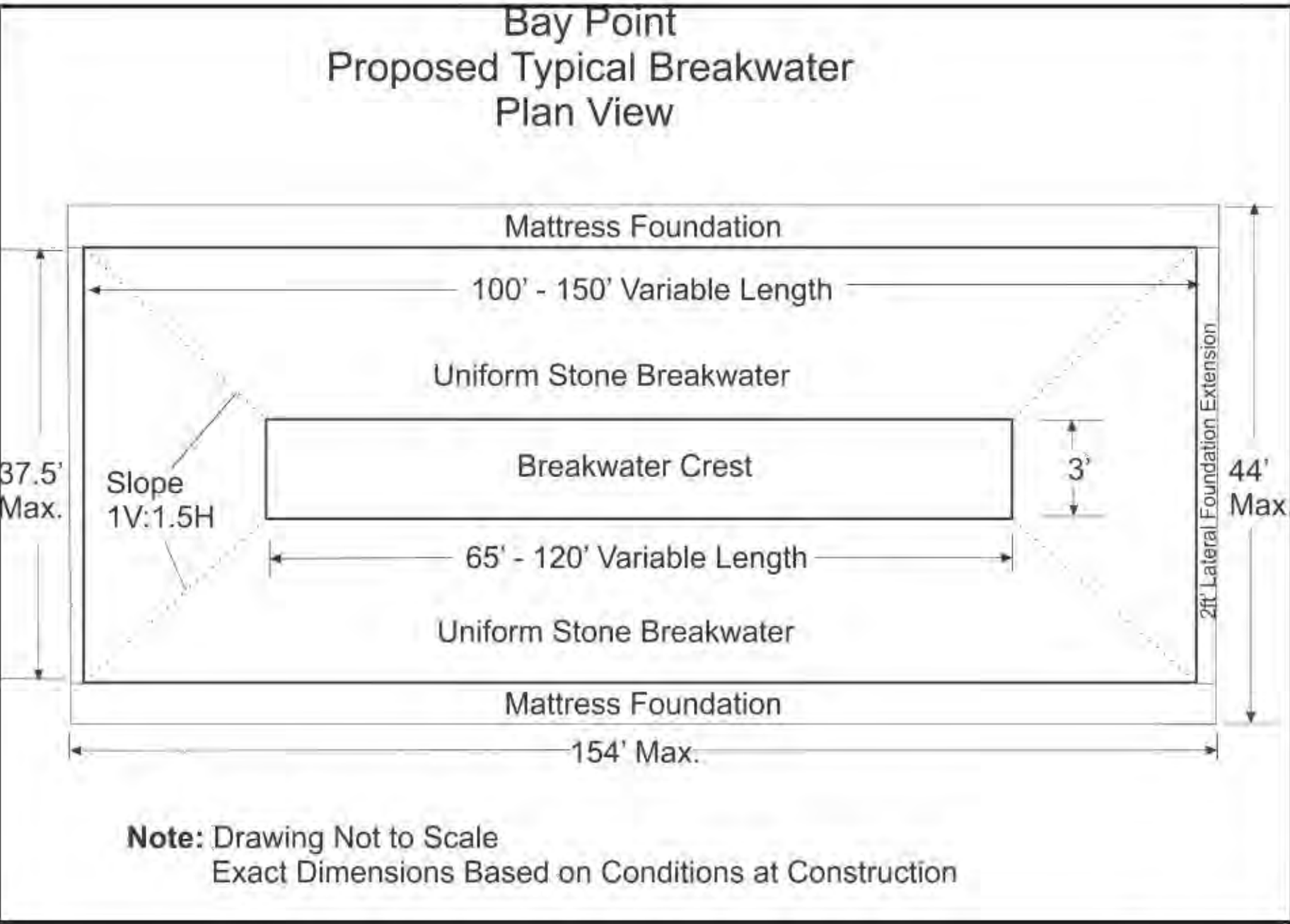
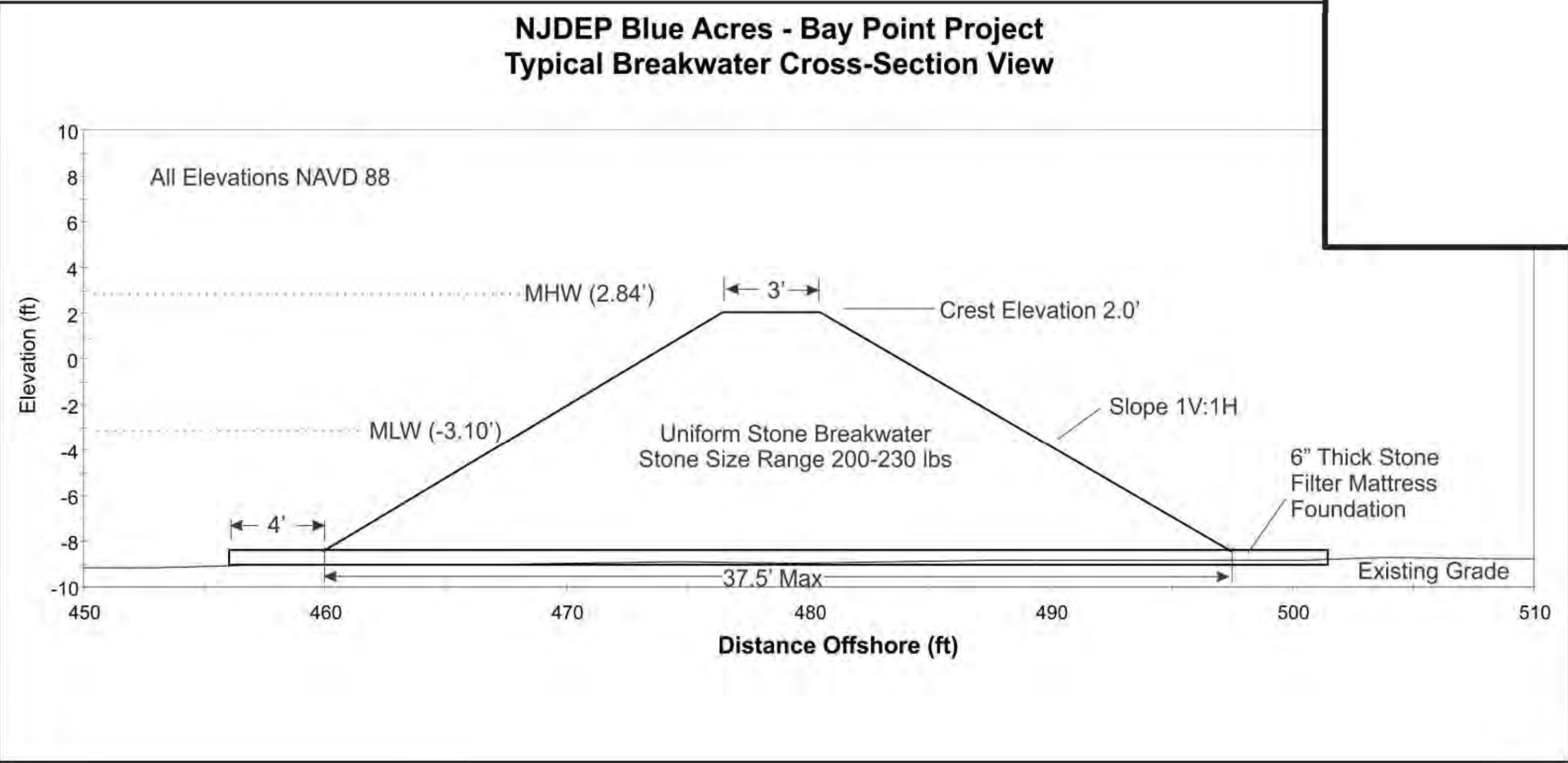
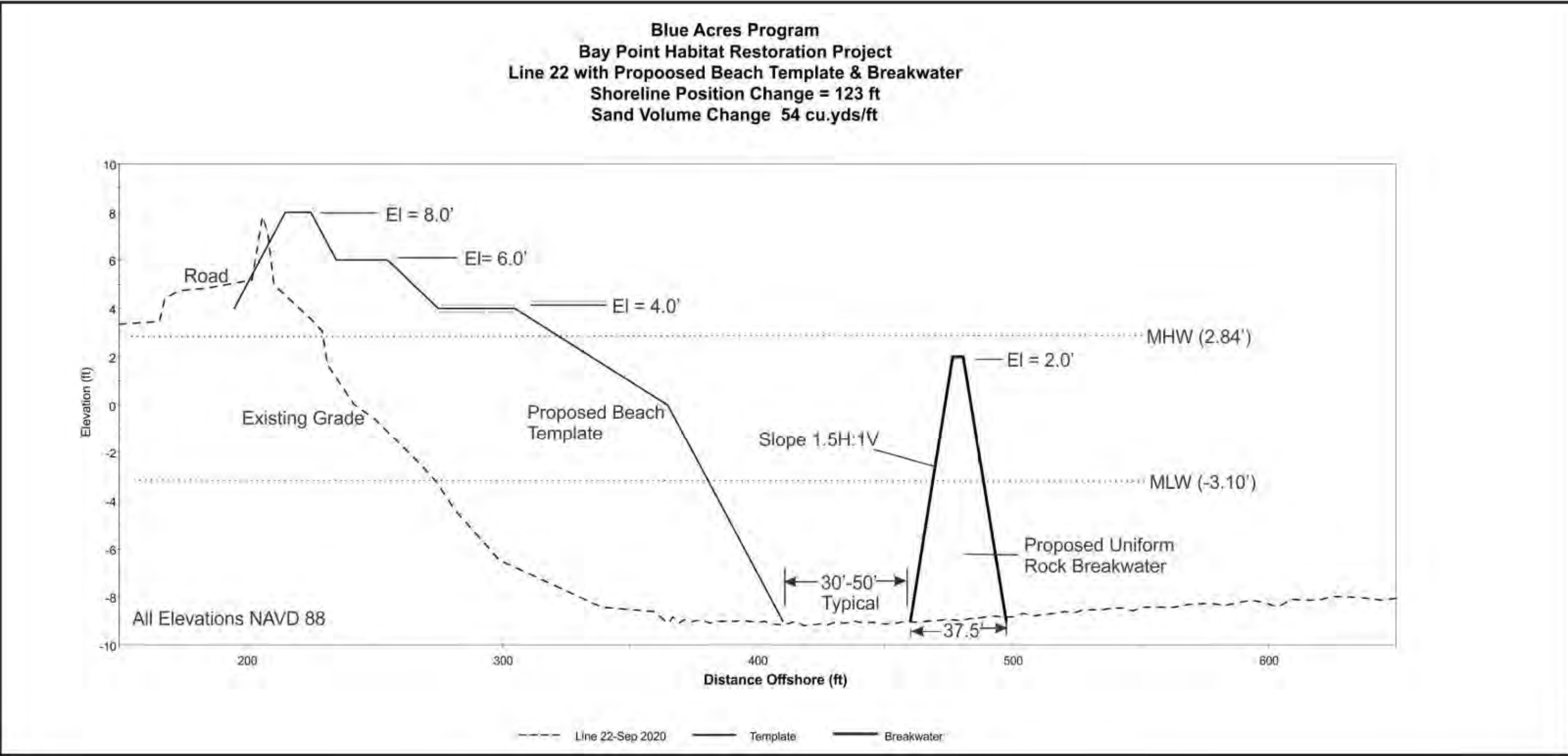
05-09-2022	1" = As Shown	8 of 16
DATE	SCALE	SHEET

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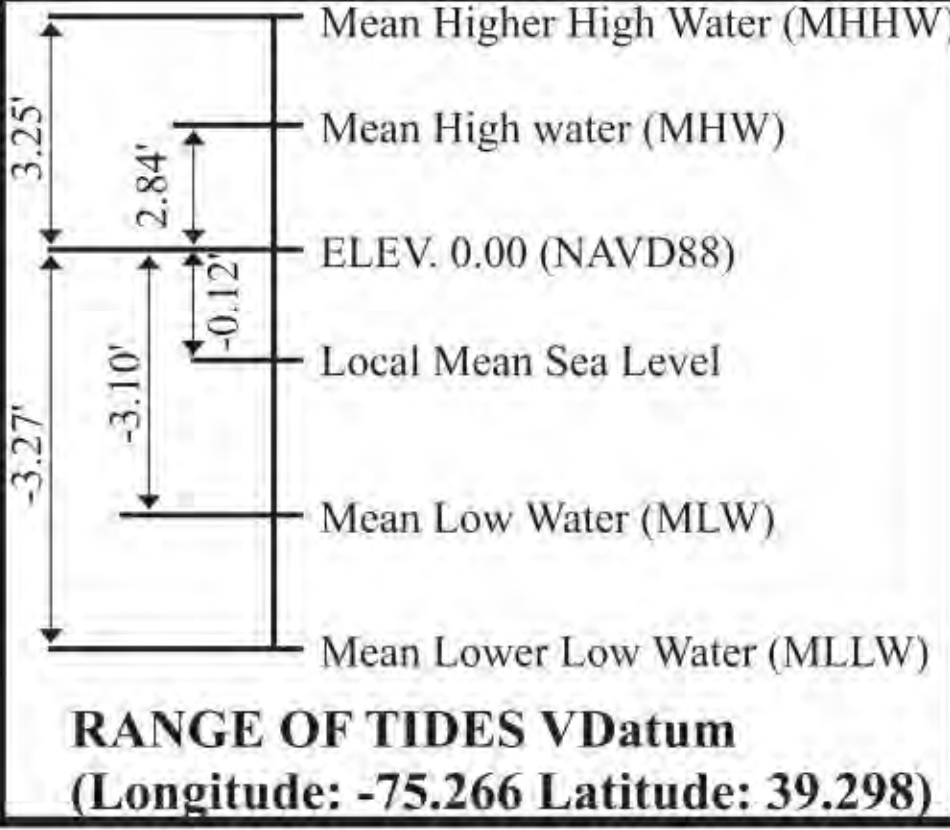
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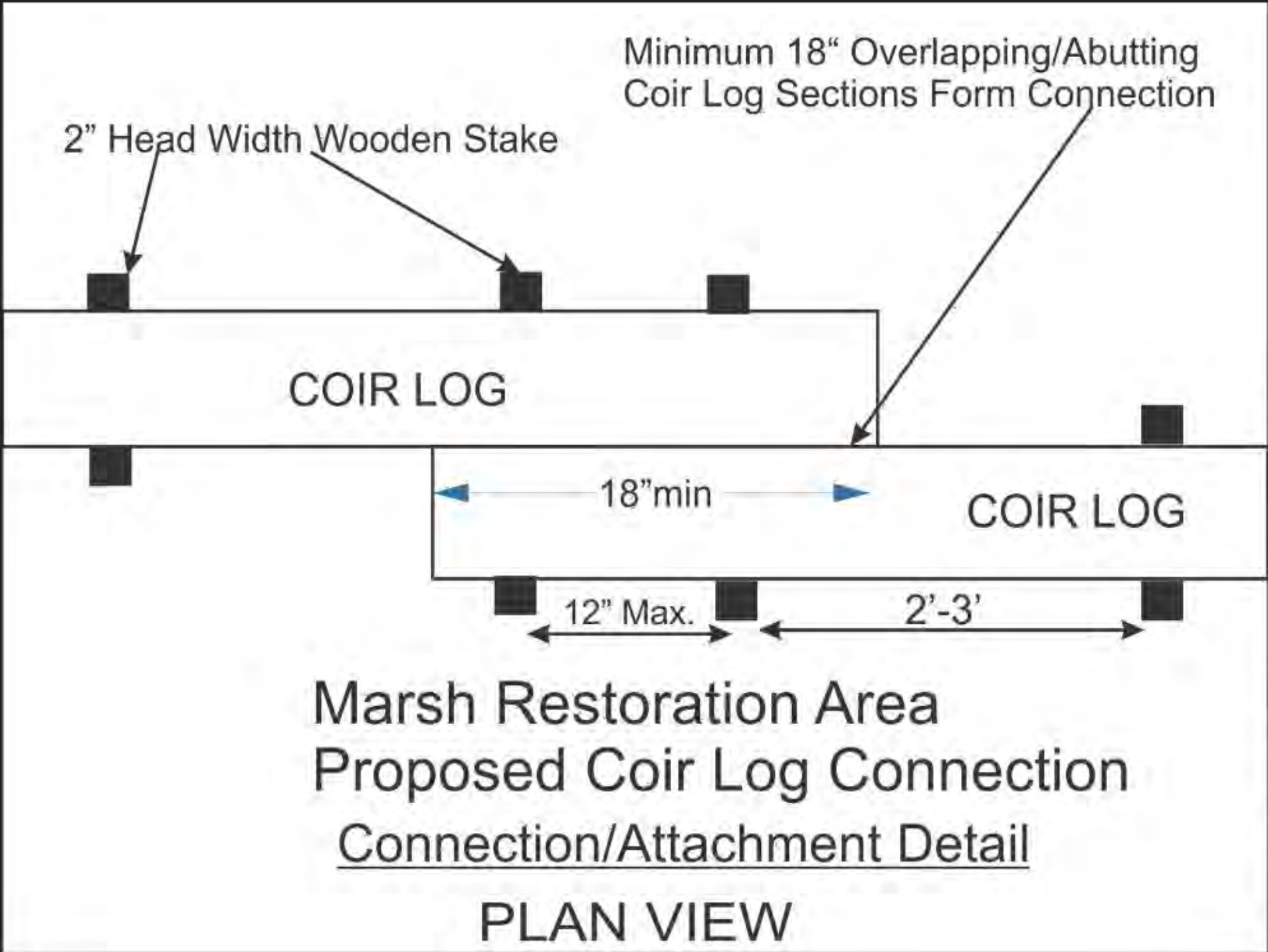
Bay Point Restoration
Lawrence Twp ,Cumberland County, NJ
Detail 2

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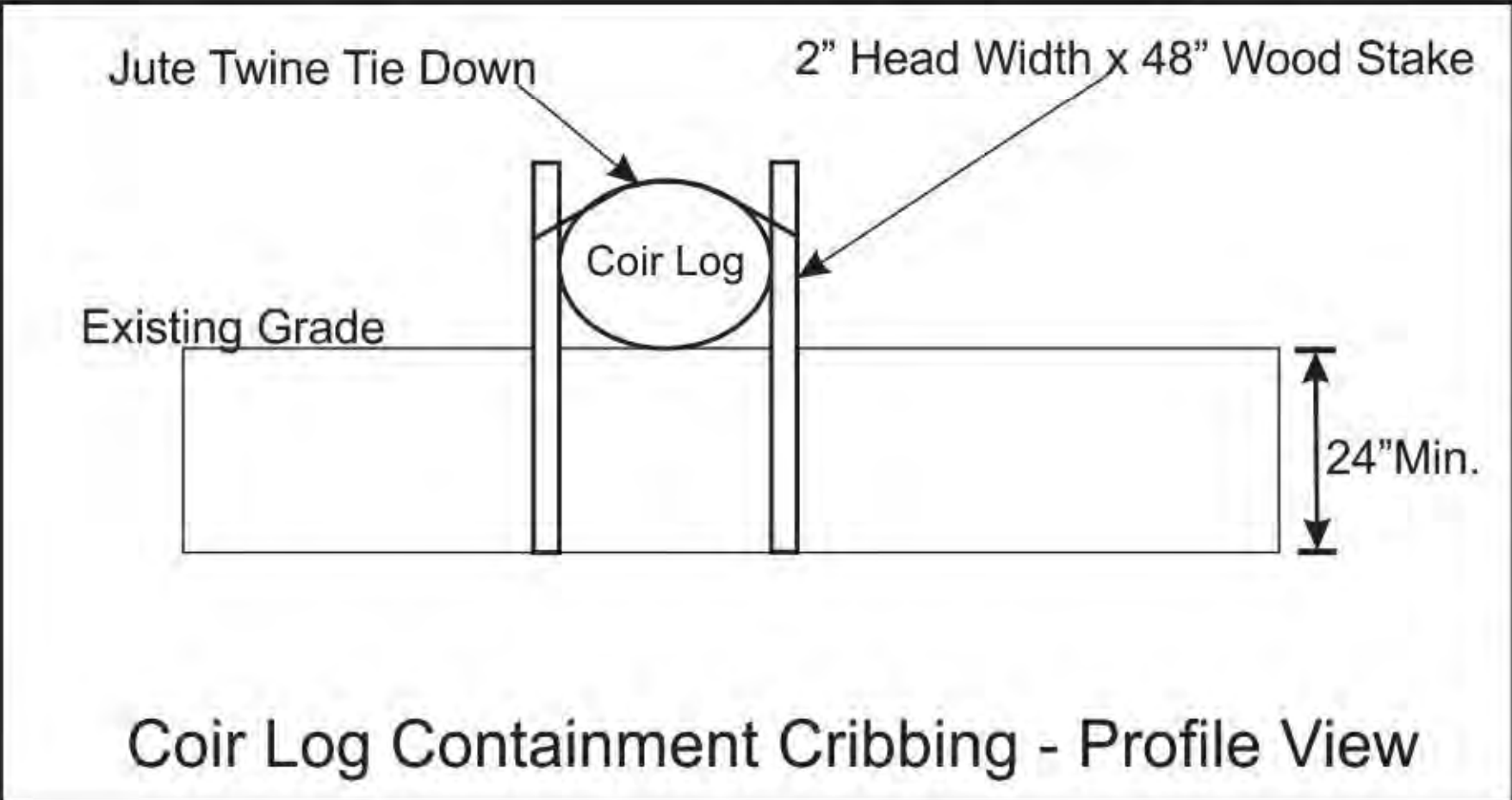
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DATE	SCALE	SHEET



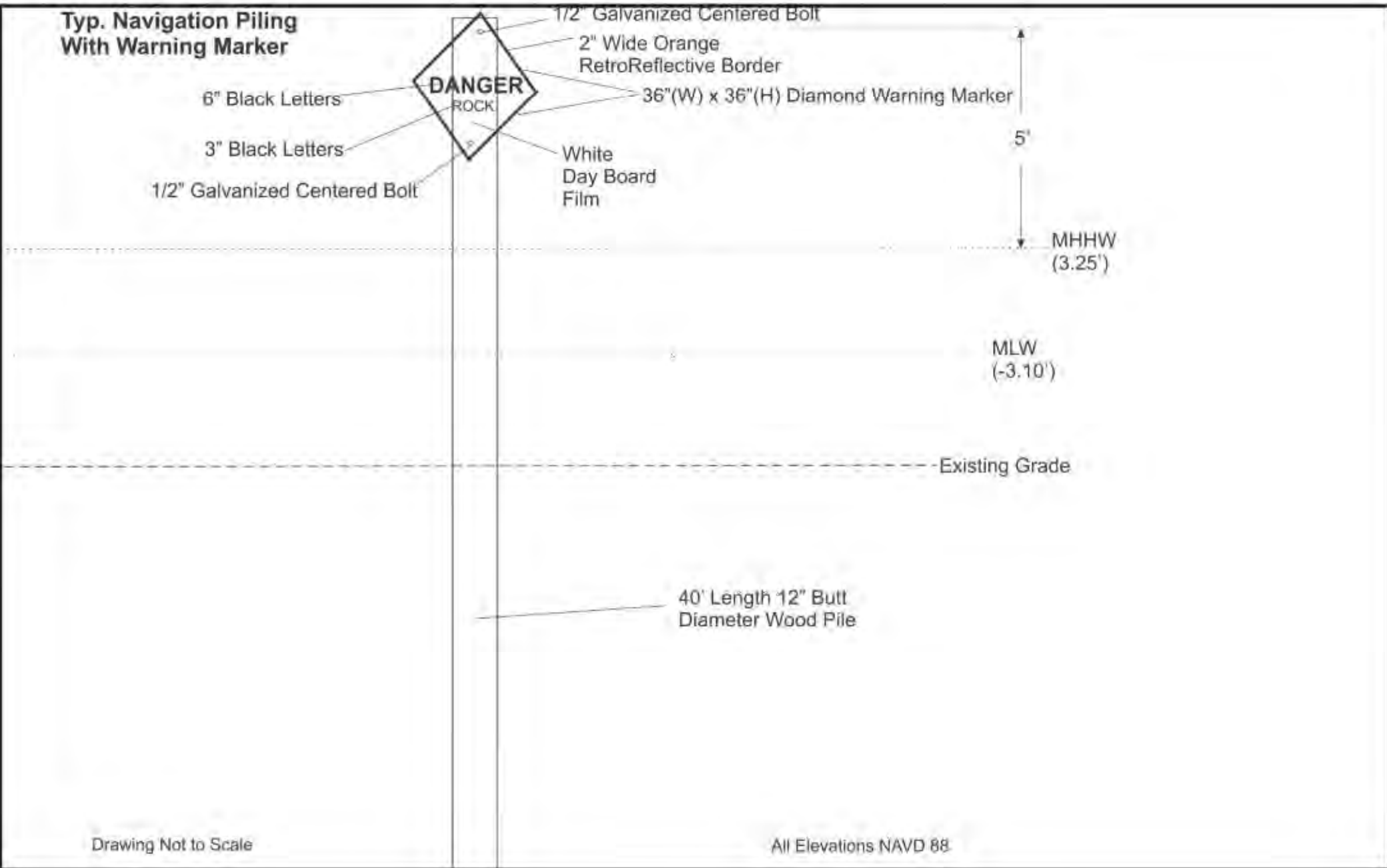
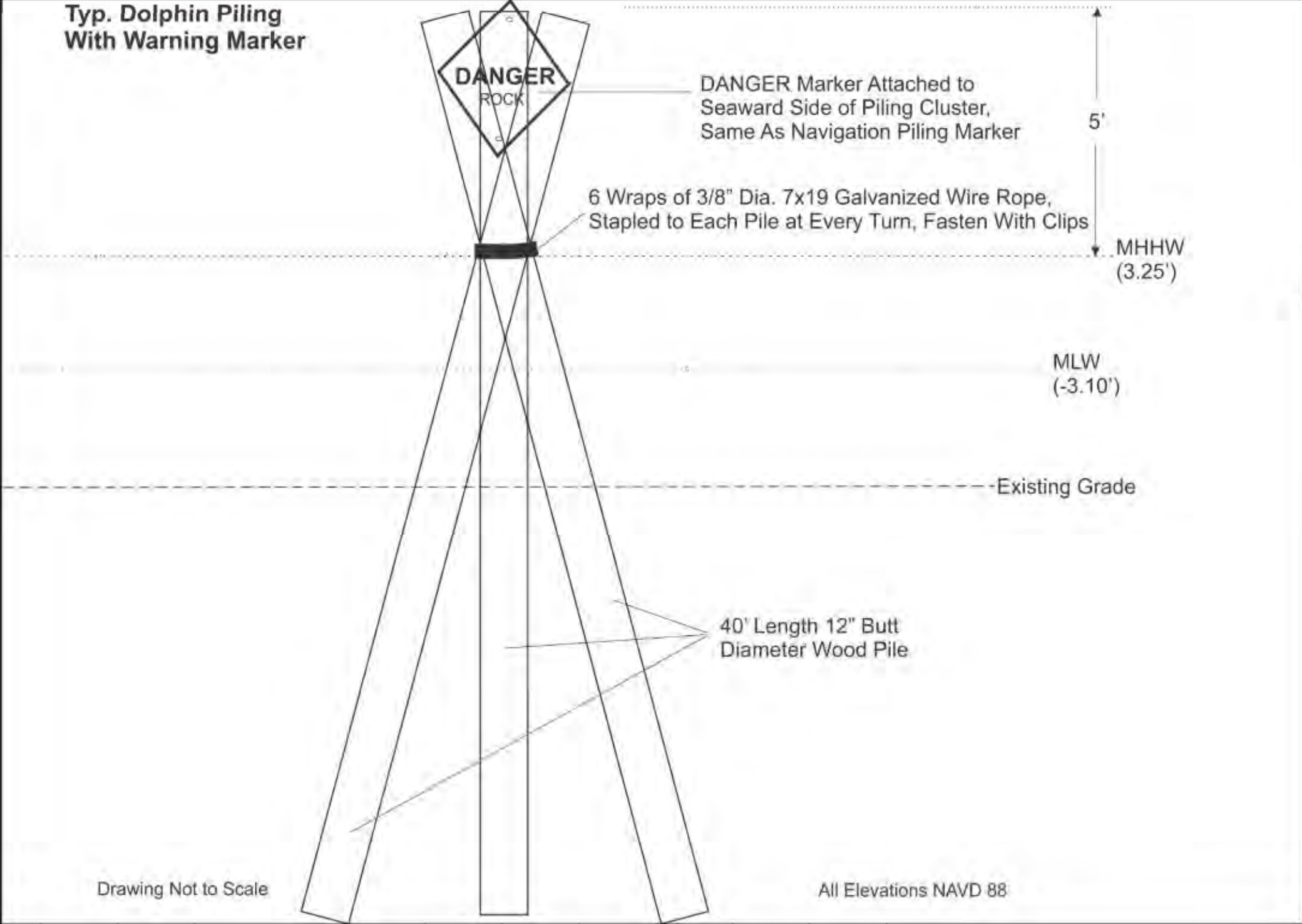


Note: Drawings Not to Scale

- Notes:
- 1) Crib All Coir Log Using Wood Stakes
 - 2) 2"x2"x48" Wooden Stakes Recommended
 - 3) Min. 18" Overlap of Coir Log at Connection
 - 4) Max. 12" Crib Spacing at Connection Overlap
 - 5) Recommended Crib Spacing 3' for 12" Coir Log
 - 6) Recommended Crib Spacing 2' for 24" Coir Log
 - 7) Primary 24" Coir Log
 - 8) Biodegradable Twine for Cribbing Tie Downs
 - 9) Notch Stake Near Top for Twine Tightly Knot



- Notes:
- 1) Crib All Coir Logs Using Wood Stakes to Stabilize
 - 2) 2"x2"x48" Wooden Stakes Recommended
 - 3) Notch Stakes Near Top for Twine
 - 4) Pound Stakes Tightly Next to Coir Logs, Leave Approximately 4" of Stake Above Log Surface
 - 5) Secure Twine in Notch, Tightly Knot Twine
 - 6) Pound Stake Approximately flush with Log Surface to Tighten Twine Tie Down



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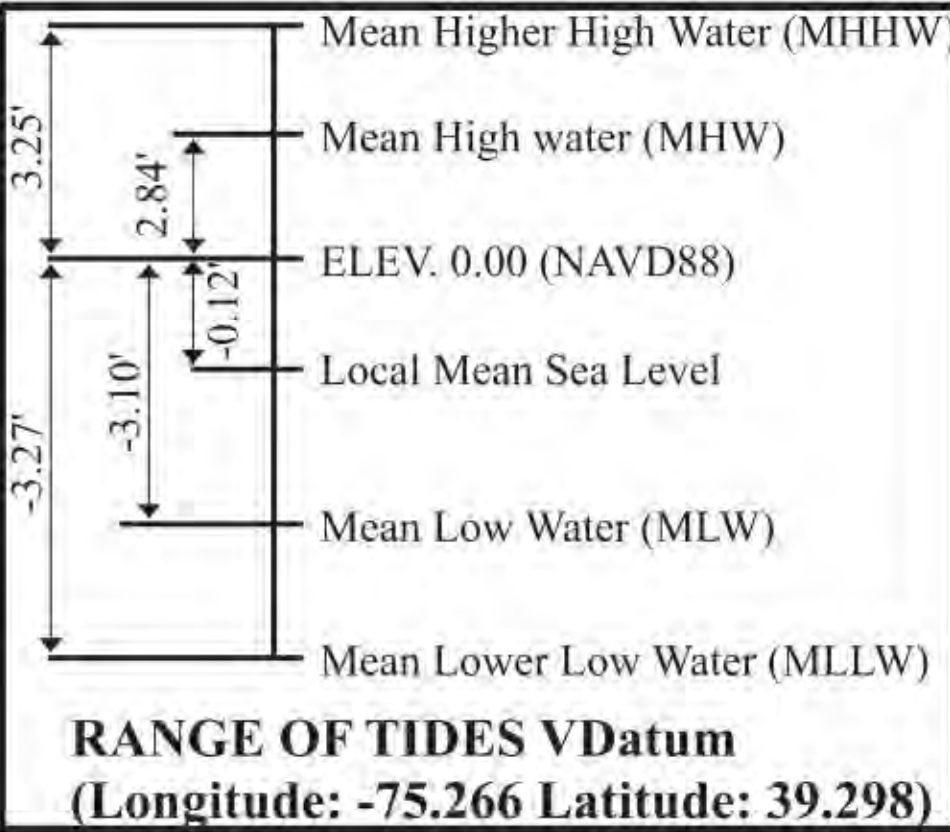
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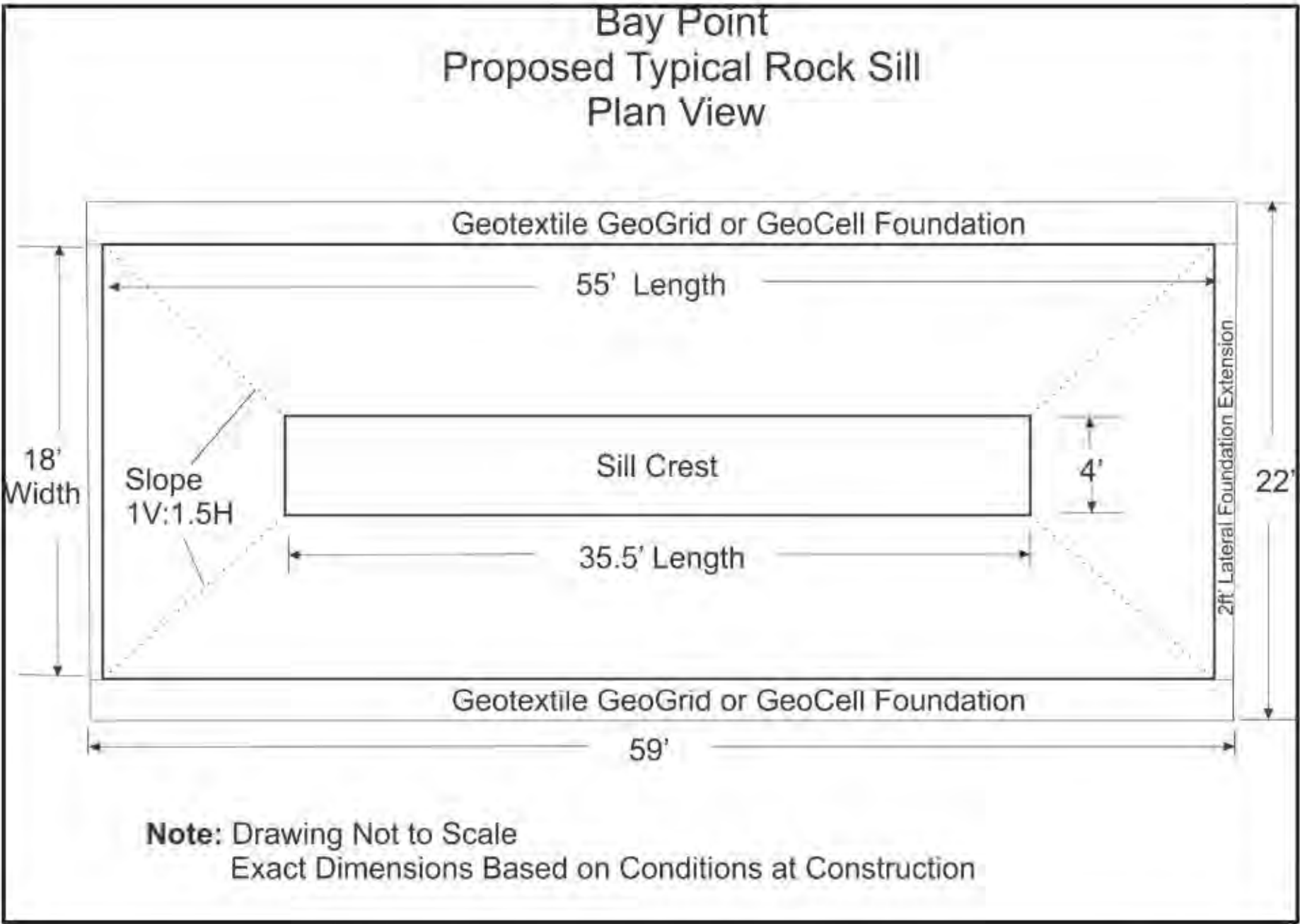
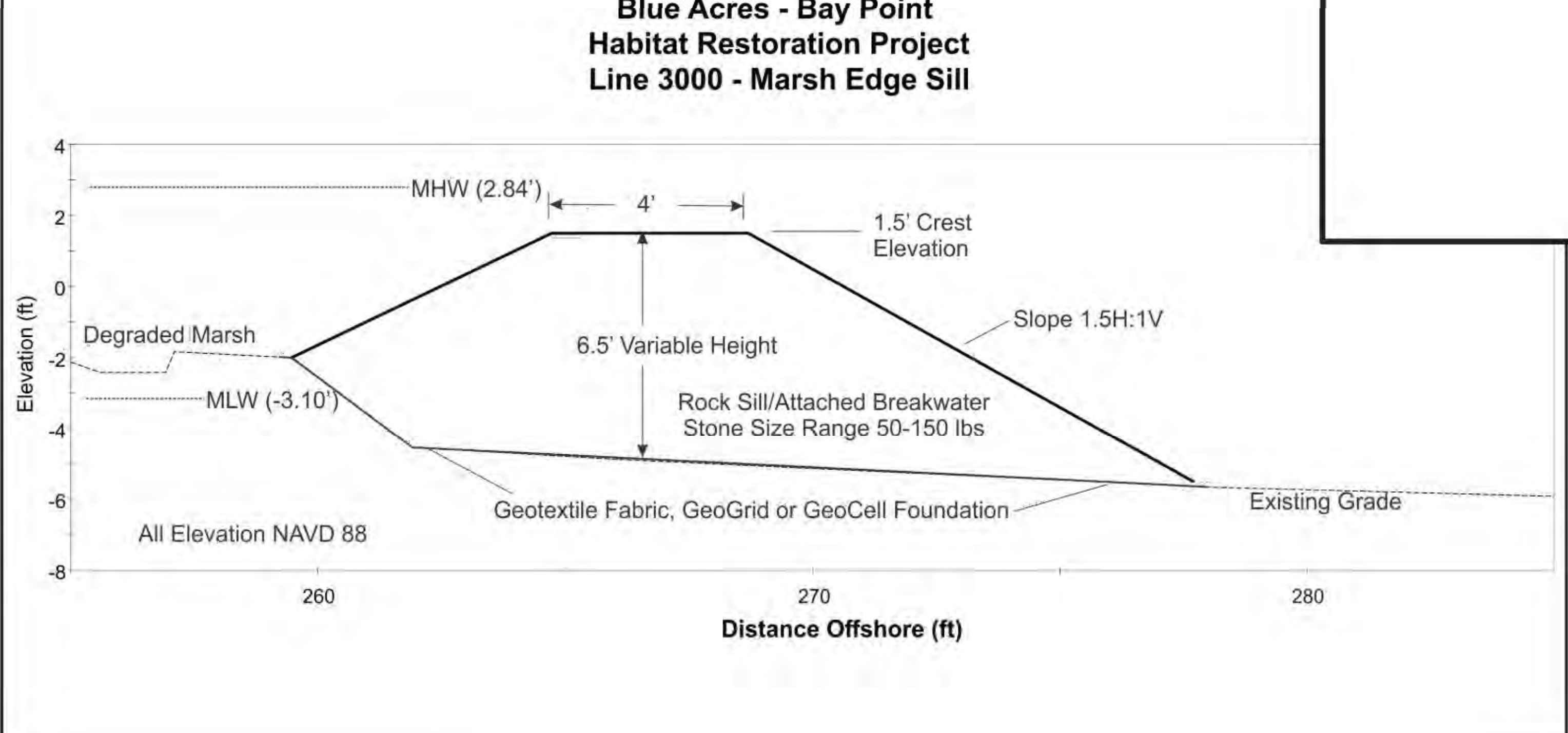
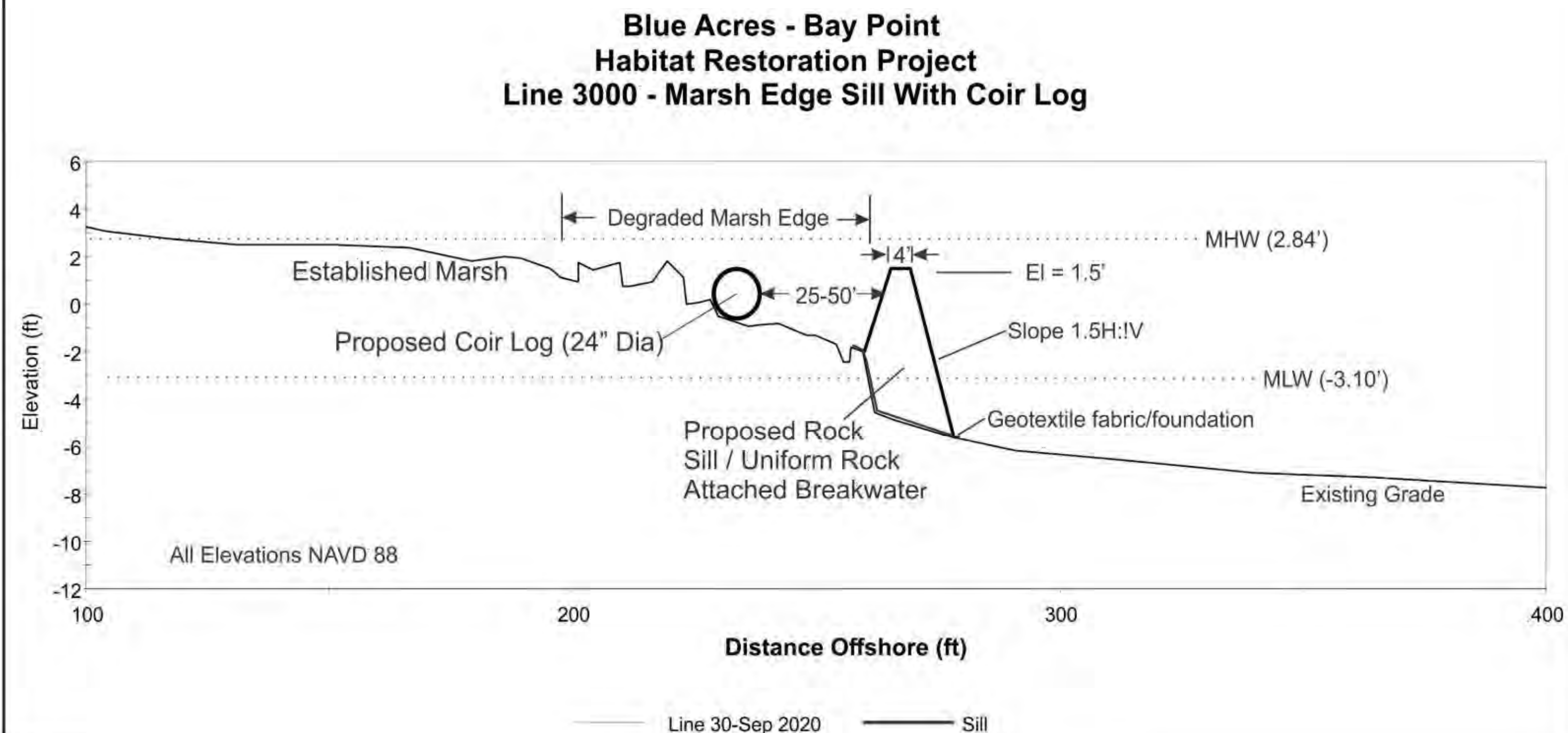
Bay Point Restoration
Lawrence Twp ,Cumberland County, NJ
Detail 3

05-09-2022	1" = As Shown	10 of 16
DATE	SCALE	SHEET

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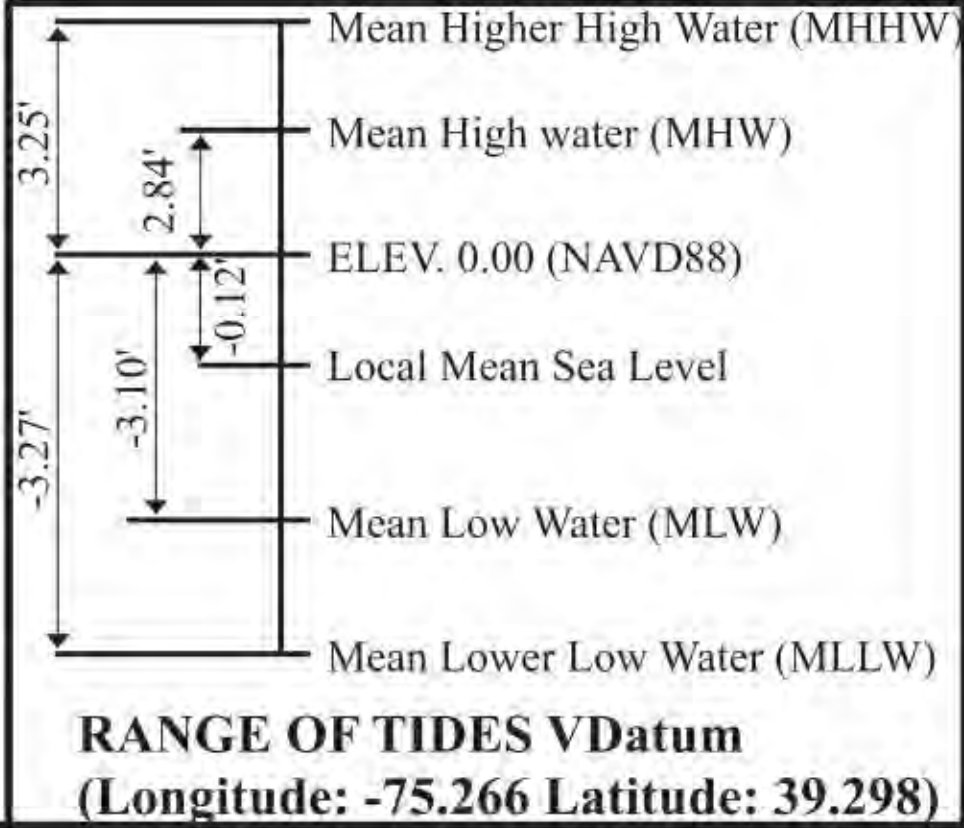
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Bay Point Restoration
Lawrence Twp, Cumberland County, NJ
Detail 4

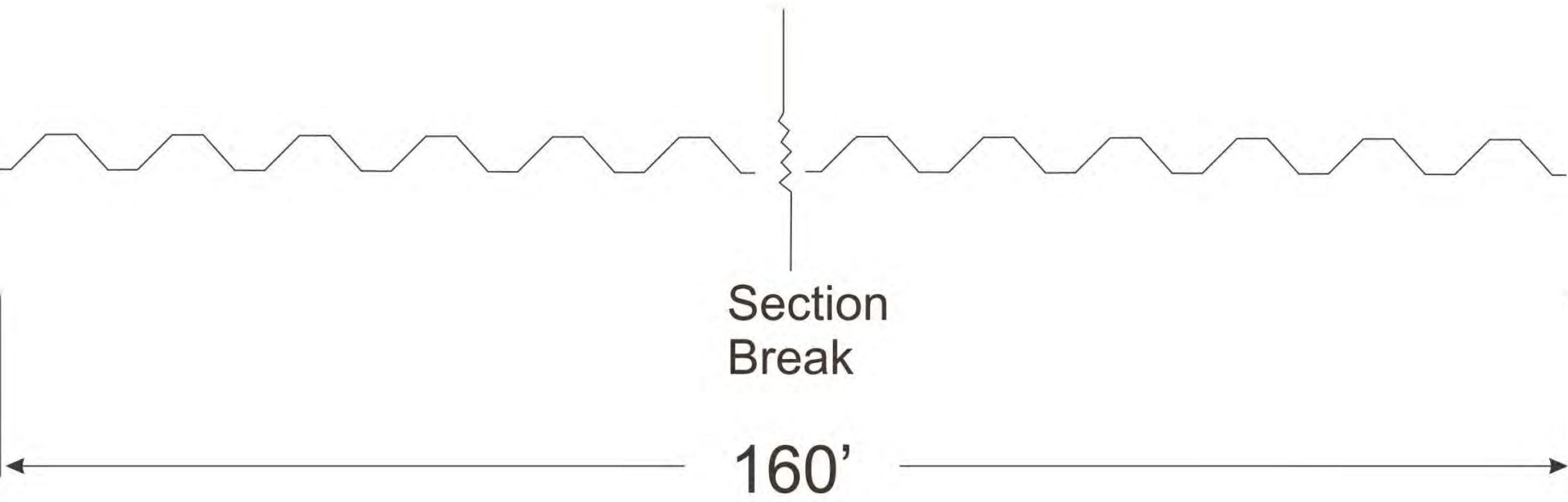
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DATE	SCALE	SHEET

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Tide values are from NOAA VDatum.

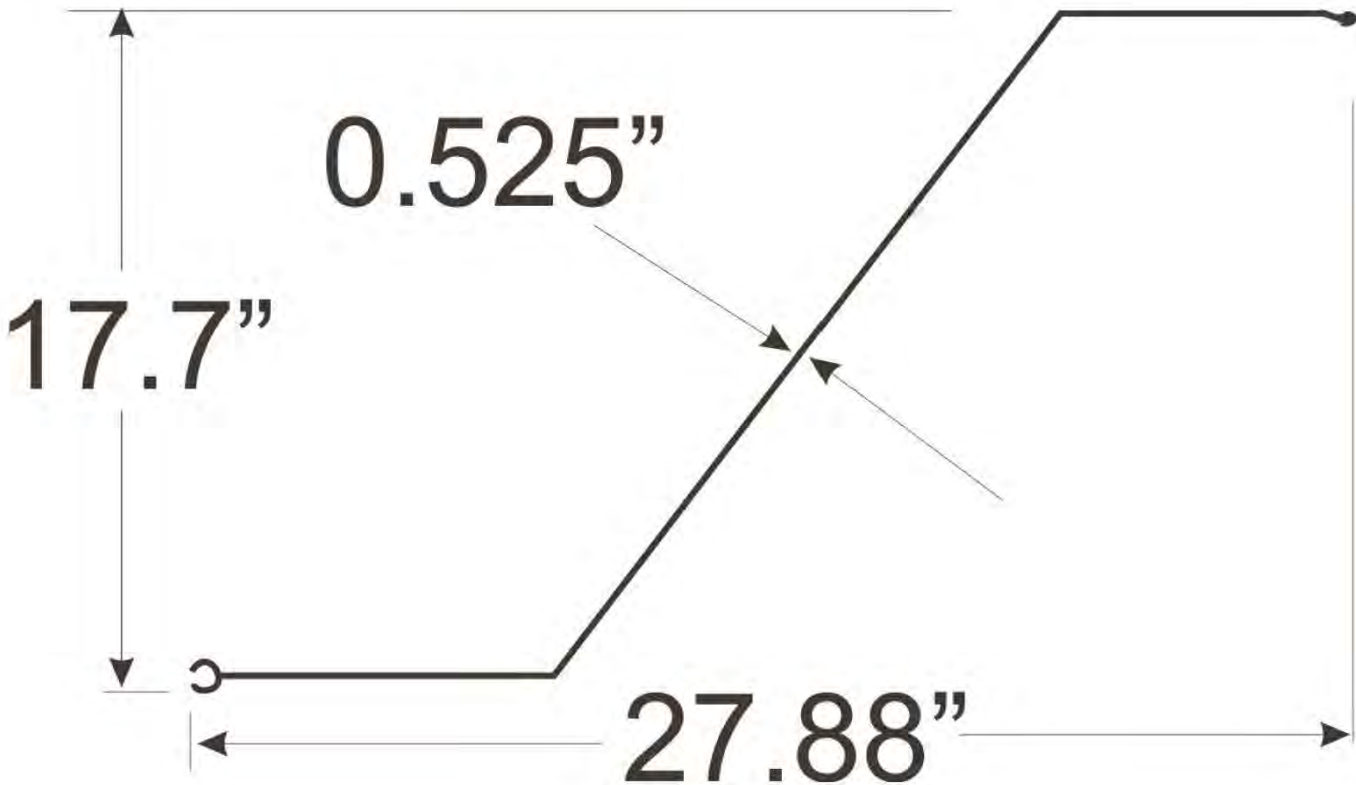


DRAWN: Matthew Deibert

Steel Sheet Pile Wing Wall
Plan View

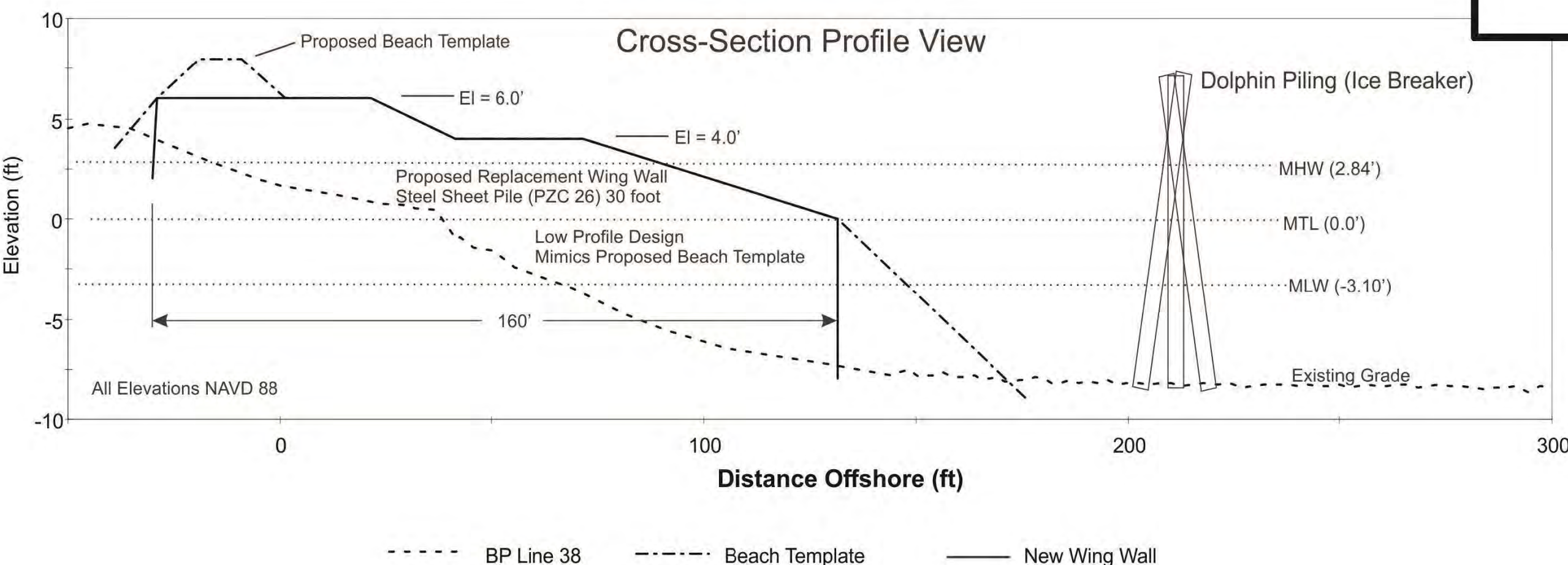


Note: PZC 26 Sheet Piling
Section Detail

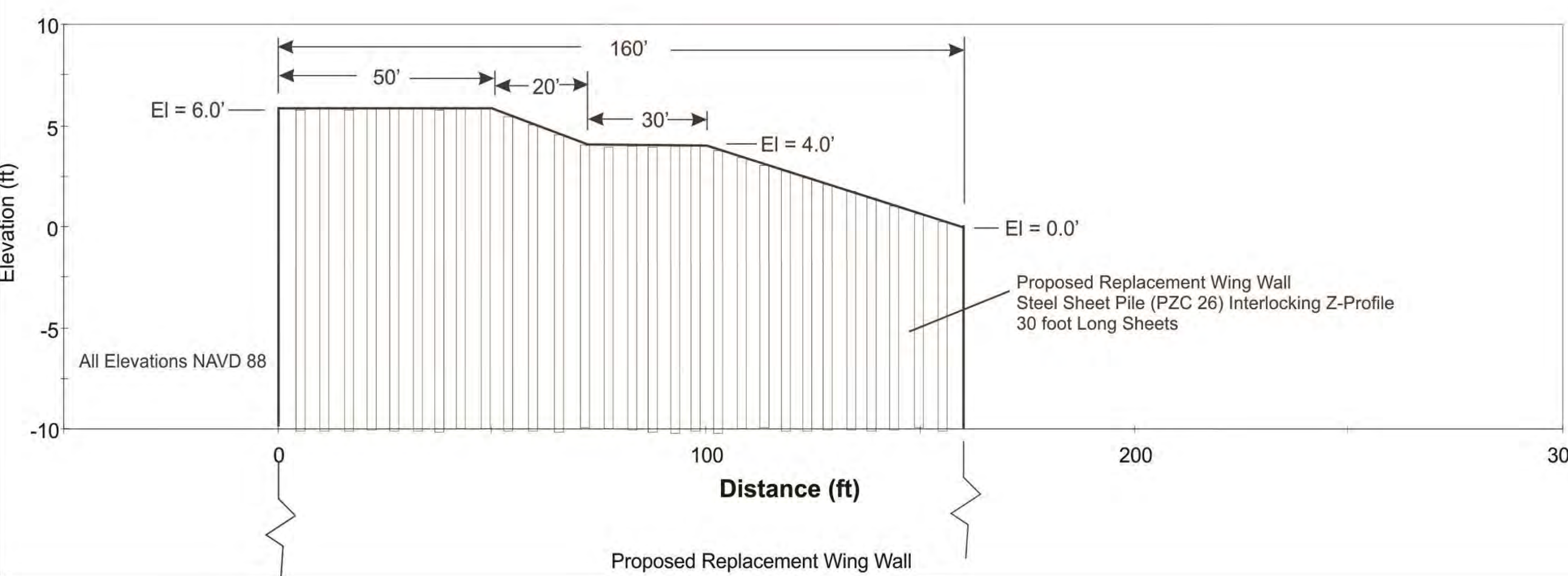


Note: Drawing Not to Scale

Blue Acres Program
Bay Point Beach Habitat Restoration Project
Line 38 with Proposed Beach Template
Proposed Replacement Wing Wall



Blue Acres Program
Bay Point Beach Habitat Restoration Project
Proposed Replacement Wing Wall
Cross-Section View



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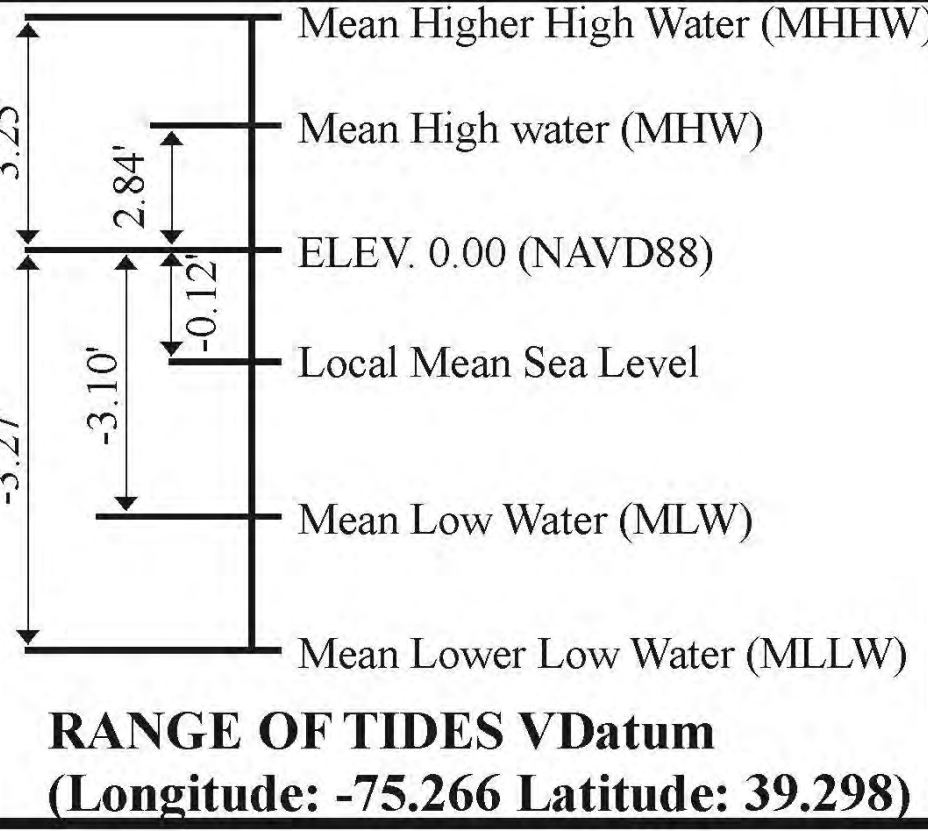
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Bay Point Restoration
Lawrence Twp ,Cumberland County, NJ
Detail 5

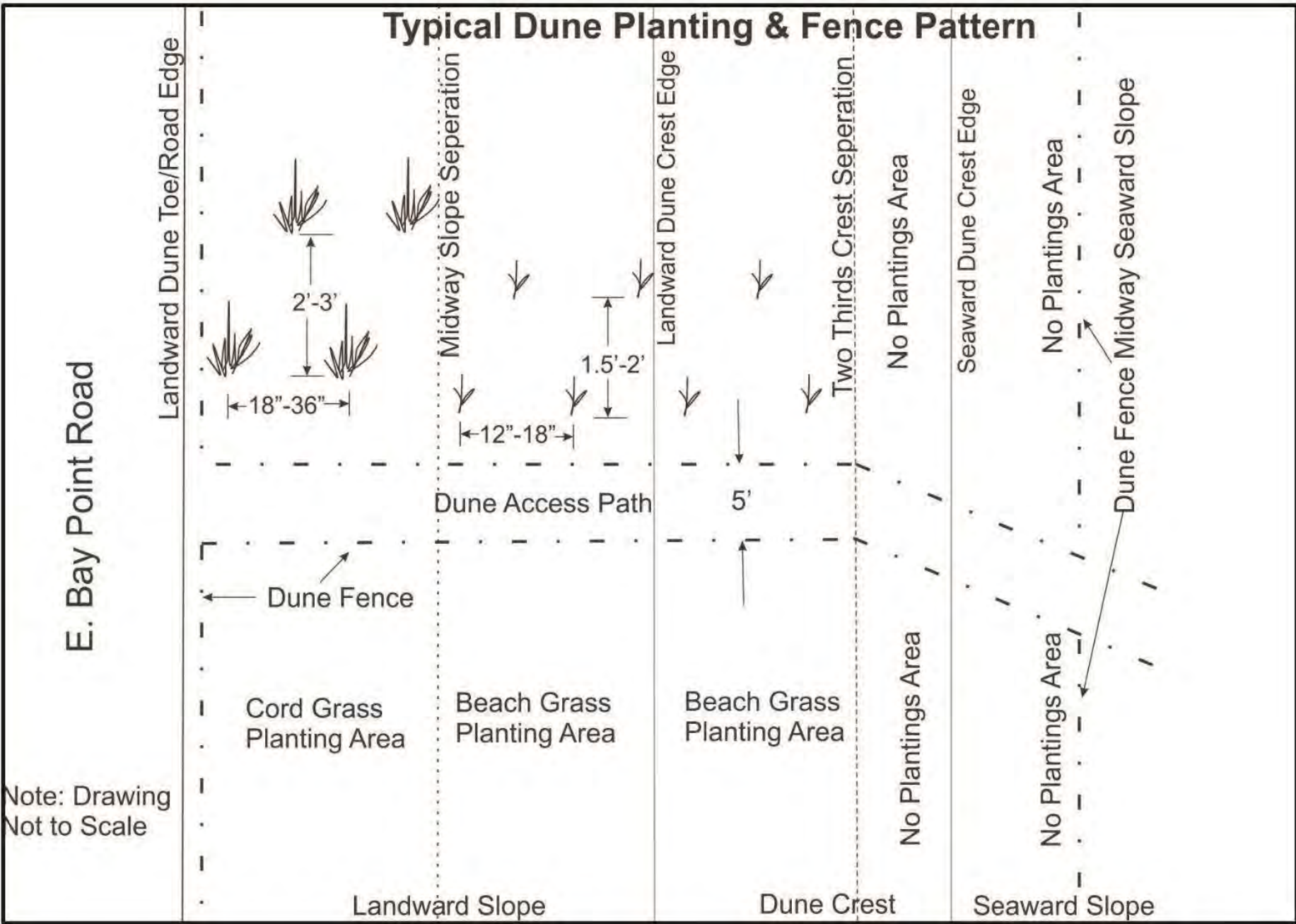
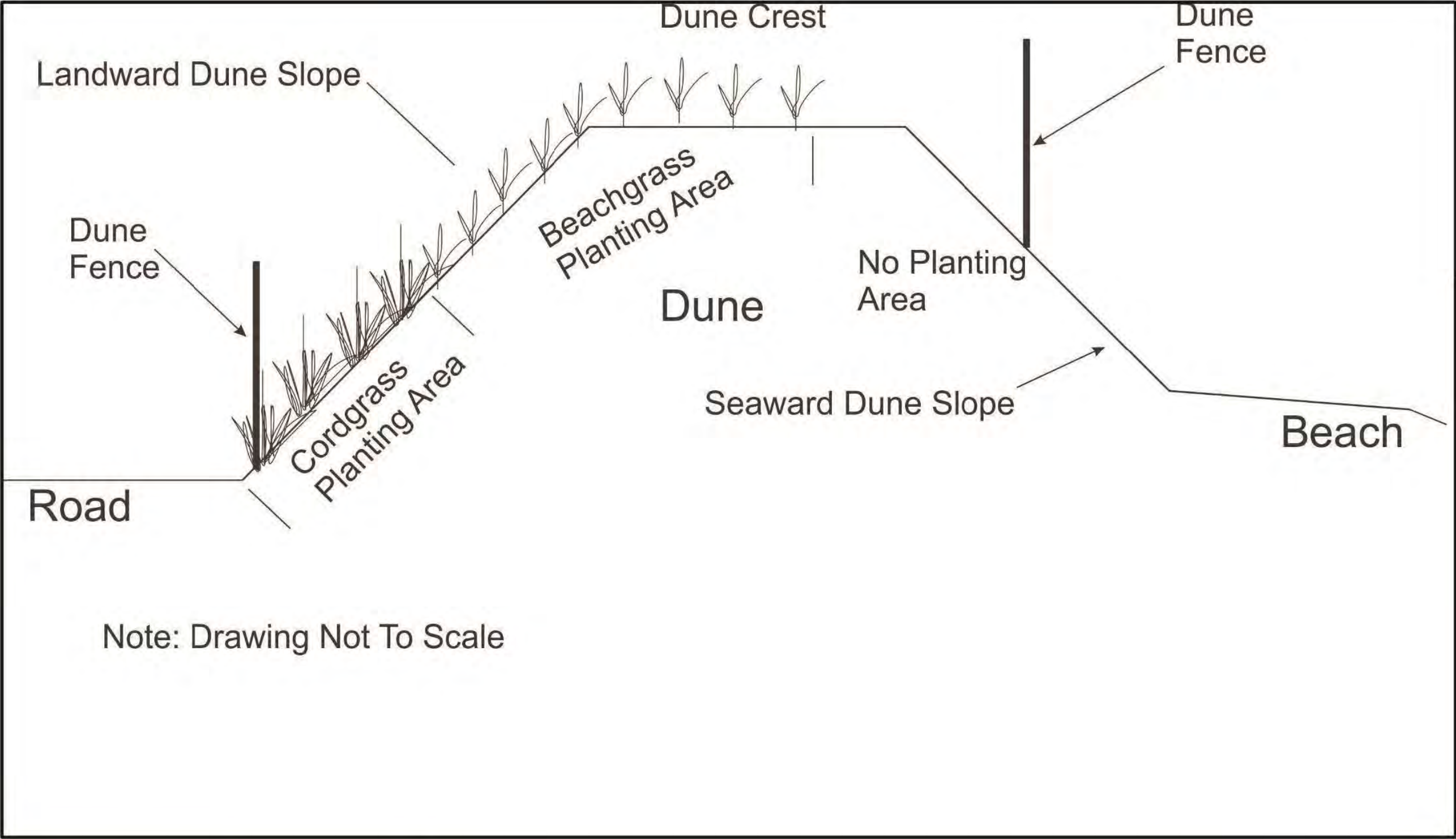
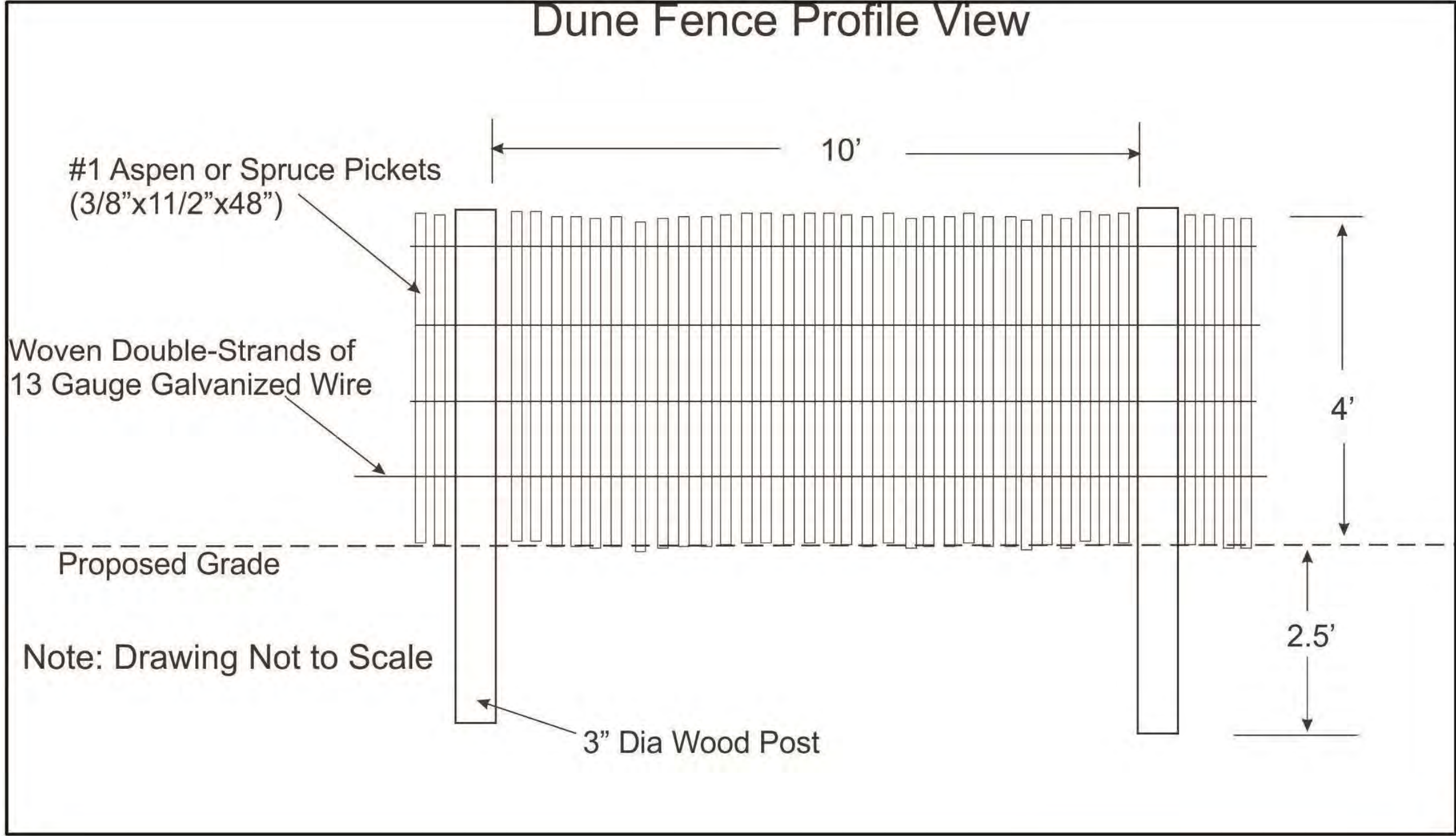
05-09-2022	1" = As Shown	12 of 16
DATE	SCALE	SHEET

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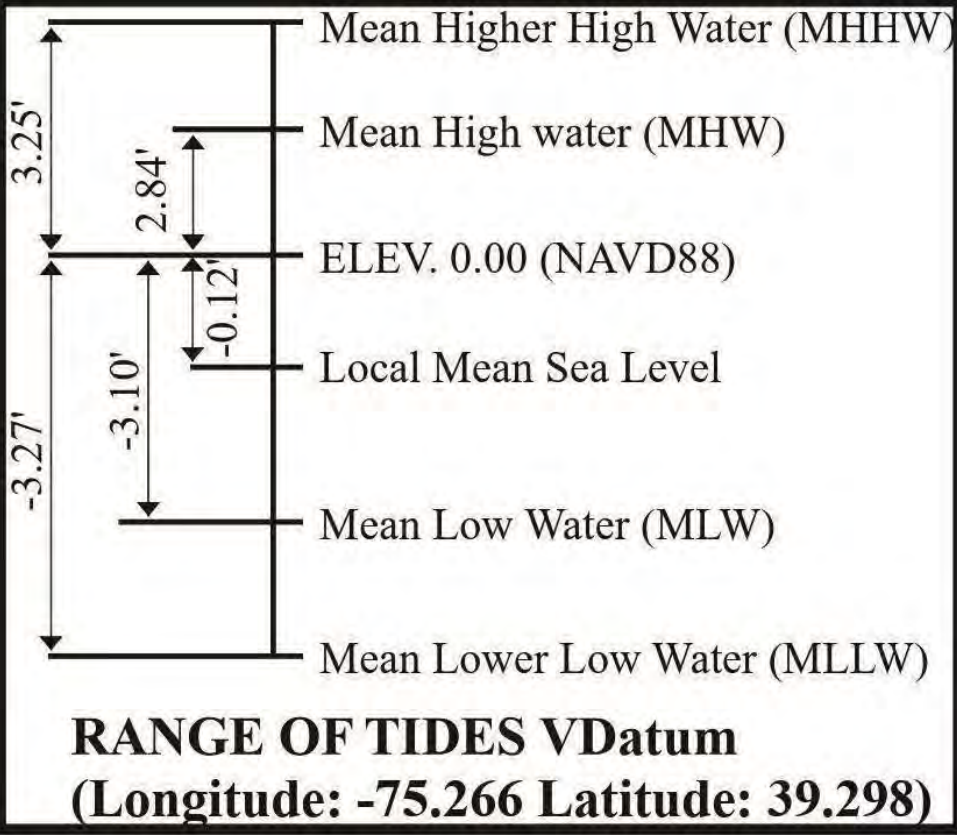
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**Bay Point Restoration
Lawrence Twp ,Cumberland County, NJ
Detail 6**

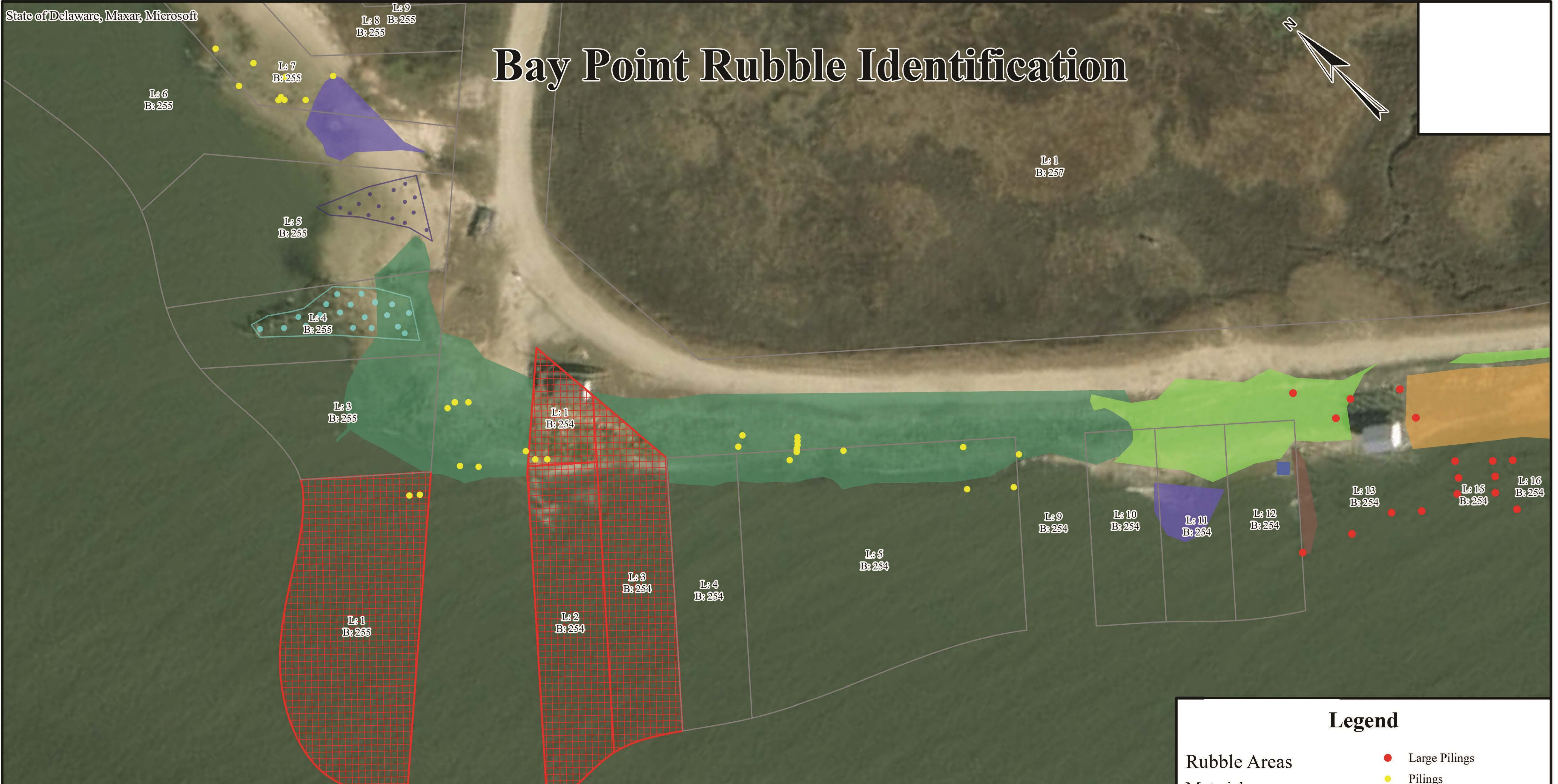
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DATE	SCALE	SHEET

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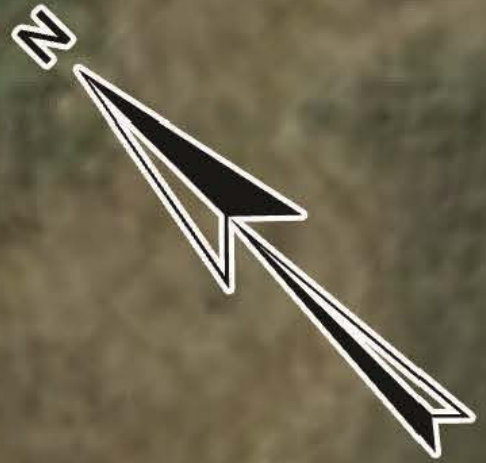
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DRAWN: Matthew Deibert



Bay Point Rubble Identification



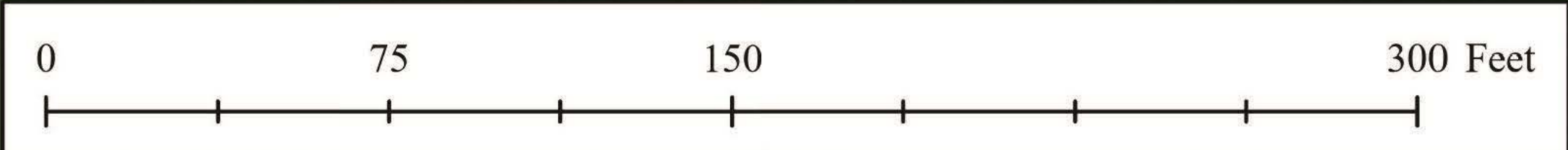
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DRAWN: Matthew Deibert

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Bay Point Restoration Lawrence Twp ,Cumberland County, NJ Rubble Area 1		
05-09-2022	1" = 30'	14 of 16
DATE	SCALE	SHEET



Rubble Areas
Material

Large Concrete

Small Concrete Rubble

Rip-rap/Concrete

Rip-rap

Slab

Slab/Timber

Timber Field

Pier Pilings

Small Pilings Field

Large Pilings

Pilings

Small Pilings

Nest

Tank

Timber Bulkhead

Wingwall

Property Ownership

Non-State

Unknown

State

Bay Point Rubble Identification



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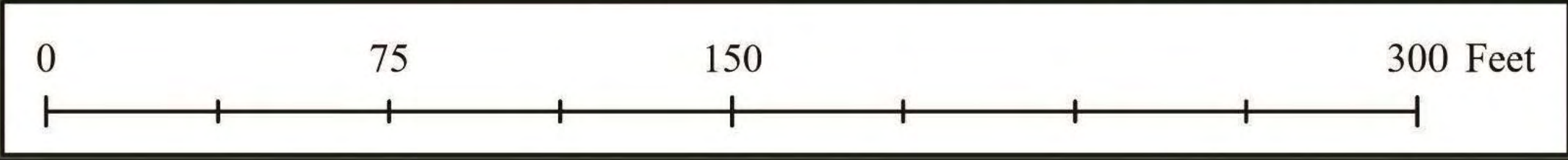
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Bay Point Restoration Lawrence Twp ,Cumberland County, NJ Rubble Area 2		
05-09-2022	1" = 30'	15 of 16
DATE	SCALE	SHEET



Rubble Areas

Material

Large Concrete

Small Concrete Rubble

Rip-rap/Concrete

Rip-rap

Slab

Slab/Timber

Timber Field

Pier Pilings

Small Pilings Field

Large Pilings

Pilings

Small Pilings

Nest

Tank

Timber Bulkhead

Wingwall

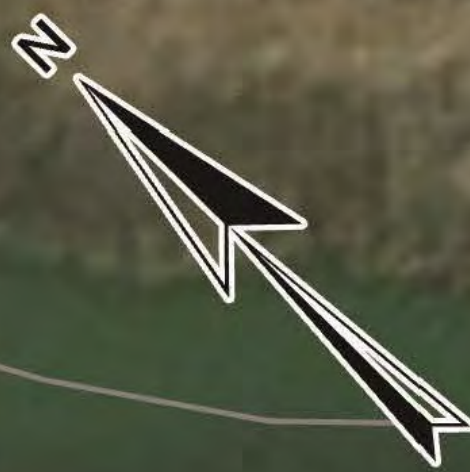
Property Ownership

Non-State

Unknown

State

Bay Point Rubble Identification



Legend

Rubble Areas

Material

- Large Concrete
- Small Concrete Rubble
- Rip-rap/Concrete
- Rip-rap
- Slab
- Slab/Timber
- Timber Field
- Pier Pilings
- Small Pilings Field

- Large Pilings
- Pilings
- Small Pilings
- Nest
- Tank
- Timber Bulkhead
- Wingwall

Property Ownership

- Non-State
- Unknown
- State

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Bay Point Restoration Lawrence Twp ,Cumberland County, NJ Rubble Area 3		
05-09-2022	1" = 30'	16 of 16
DATE	SCALE	SHEET

DRAWN: Matthew Deibert