



Vicinity Map

SCALE : 1" = 3000'



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Aerial Photo

SCALE : 1" = 200'



MDES 2016 Orthomimagery from
The State of Maryland Dept. of
IT; acquired September 2016

SHEET 1 OF 11

**Proposed Pier Replacement, Stone
Groin Rehabilitations, Bulkhead
Replacement, Living Shoreline**

IN: BROAD CREEK
NEAR: PASADENA,
ANNE ARUNDEL COUNTY, MARYLAND

APPL. BY: ROBB MERRITT
2066 LORD BALTIMORE DRIVE
BALTIMORE, MD 21244-2501

DATE: NOV. 2020 REVISED: JULY 2021; OCT. 2021

20-WL-1483
202062037
10/18/21
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**DAVIS,
BOWEN &
FRIEDEL, INC.**

ARCHITECTS ENGINEERS SURVEYORS

SALISBURY, MARYLAND (410) 543-9091
MILFORD, DELAWARE (302) 424-1441
EASTON, MARYLAND (410) 770-4744

BROAD CREEK

EBB
FLOOD



TAX MAP 33, PARCEL 7

Adjacent Property Owner:
ROBB L. MERRITT TRUSTEE
SCOTT E. DORSEY TRUSTEE
2066 LORD BALTIMORE DRIVE
BALTIMORE, MD 21244-2501
TAX MAP, PARCEL 131

TAX MAP 33, PARCEL 24

GINN LANE

Adjacent Property Owner:
KHALED KEBASH
1002 SNAPPER COVE LANE
PASADENA, MD 21122-5360
TAX MAP 33, PARCEL 75

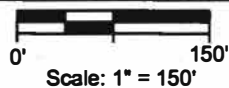
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**Proposed Pier Replacement, Stone
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VICINITY CONDITIONS PLAN



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BROAD CREEK

EBB
FLOOD

0.00 MLW
0.97 MHW

0.00 MLW
0.97 MHW

PROPERTY LINE EXTENDED

EXISTING CONDITIONS PLAN



Scale: 1" = 50'

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BROAD CREEK



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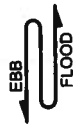
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PROPOSED CONDITIONS KEY PLAN



Scale: 1" = 50'

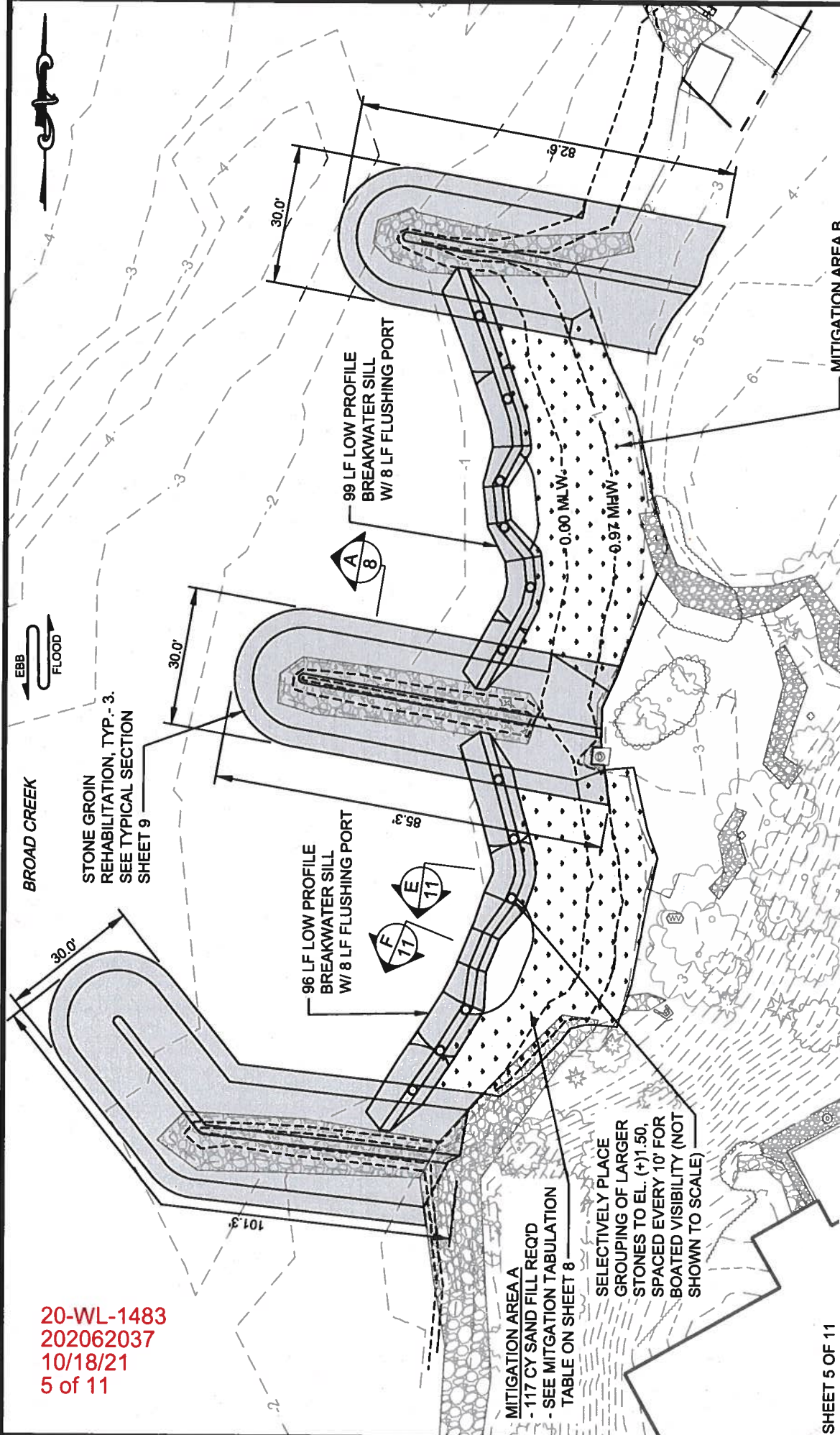
PARK LAKE



0.00 MLW
0.97 MHW

BEACH PERMITS

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Proposed Pier Replacement, Stone Groin Rehabilitations, Bulkhead Replacement, Living Shoreline

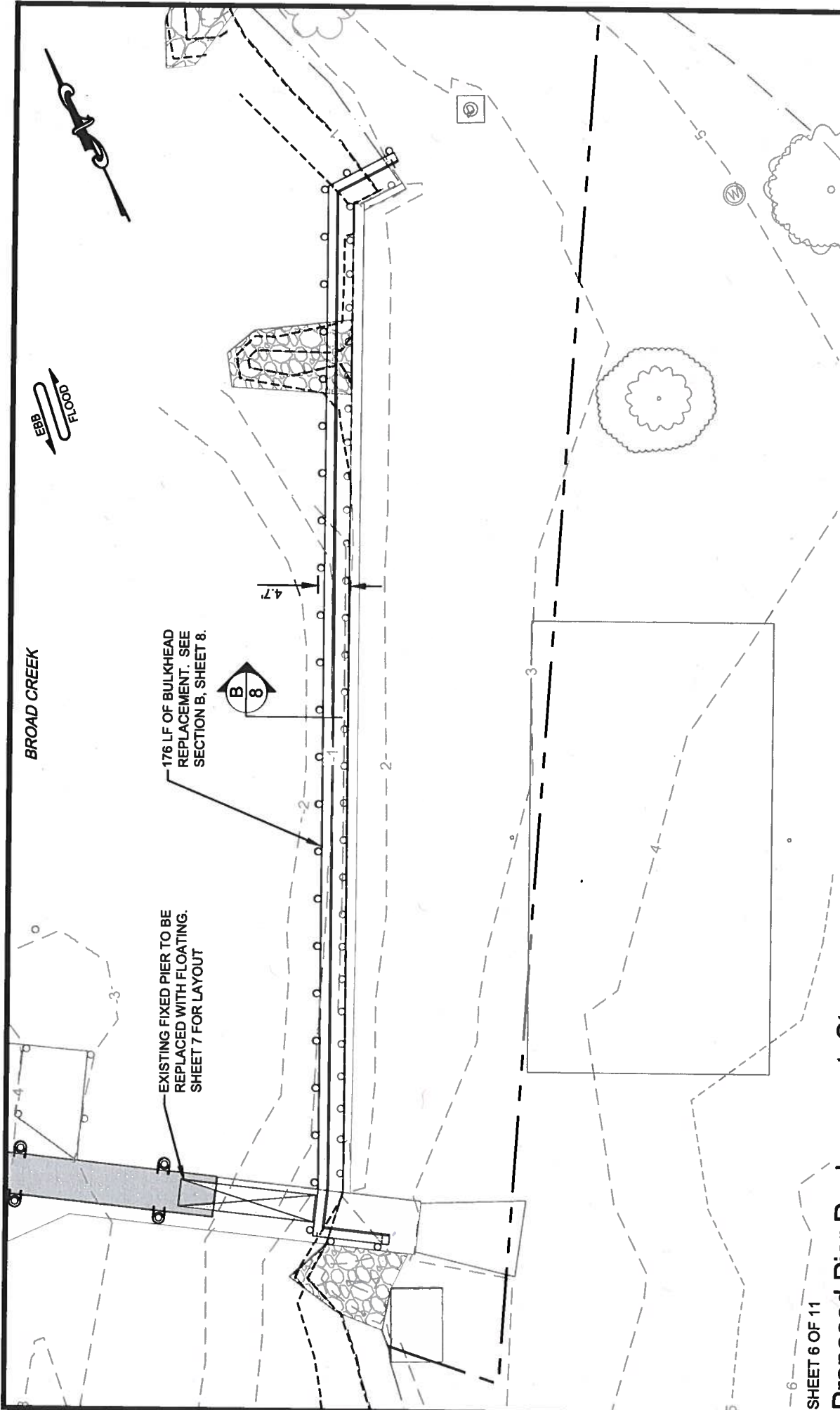
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PROPOSED CONDITIONS PLAN - STONE GROINS



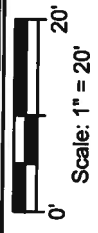
MITIGATION AREA B
- 92 CY SAND FILL REQ'D
- PROPOSED BEACH FILL WITH MARSH PLANTINGS TYP. - 3. SEE TYPICAL SECTION SHEET 11

EXTENSION WATERWARD OF MHW LINE	
NORTH GROIN	60'
MIDDLE GROIN	86'
SOUTH GROIN	87'
BEACH FILL	22'
BREAKWATER SILL	30'



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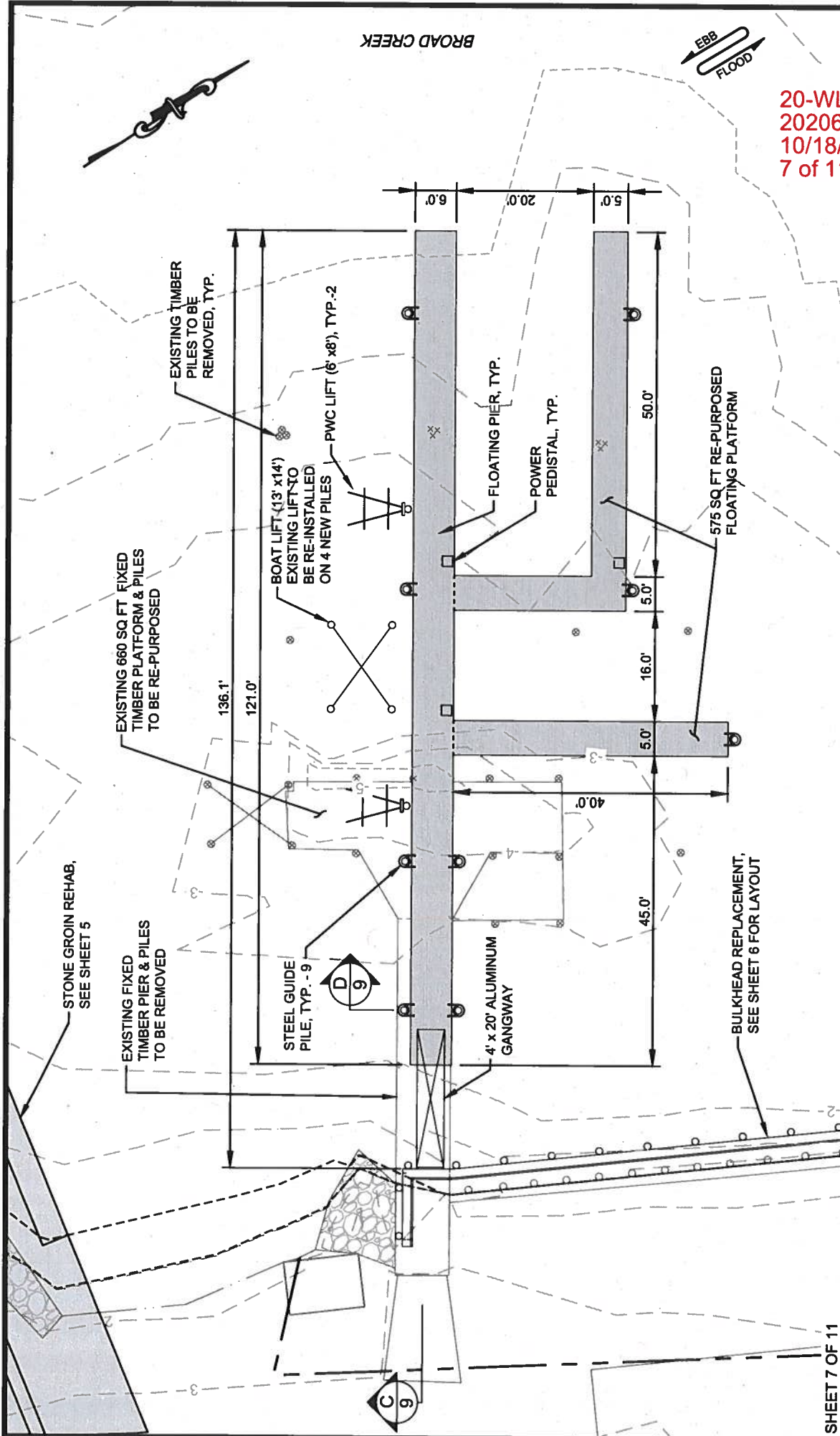
PROPOSED CONDITIONS PLAN - BULKHEAD



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**EXTENSION WATERWARD OF MHW LINE
BULKHEAD**
4.7'



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PROPOSED CONDITIONS PLAN - PIER



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RE-PURPOSING OF EXSITING PLATFORM		
EXISTING TIMBER PLATFORM	660 SQ FT	
PROPOSED FLOATING PLATFORM	575 SQ FT	

EXTENSION WATERWARD OF MHW LINE		
PIER	141'	
BOAT LIFT	85'	
PWC LIFTS	60' & 103'	

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MITIGATION AREAS TABULATION

MITIGATION REQUESTED FROM MDE	6870	SQ FT
MITIGATION AREA A	1750	SQ FT
MITIGATION AREA B	1885	SQ FT
MITIGATION AREA C	3760	SQ FT
TOTAL MITIGATION AVAILABLE	7395	SQ FT

EXISTING UTILITY PIT

150 LF STONE REVETMENT TO BE REMOVED, SEE MDE INTEREST NUMBER 85638

MITIGATION AREA C
- 91 CY SAND FILL REQ'D
- PROPOSED BEACH FILL, TYP.- 2. SEE TYPICAL SECTION SHEET 11

30 LF STONE TO BE REMOVED, EXISTING PRIOR TO MDE INTEREST NUMBER 85638

PROP. LINE PIPE SET LOCATED IN FIELD

180 LF STONE REVETMENT TO REMAIN (20-WL-0141EX)

184 LF LOW PROFILE BREAKWATER SILL, TYP.- 3. SEE TYPICAL SECTION E SHEET 11

8 LF TIDAL FLUSH SILL, TYP.- 3. SEE TYPICAL SECTION F SHEET 11

0.00 MLW
0.97 MHW

SELECTIVELY PLACE GROUPING OF LARGER STONES TO EL. (+)1.50, SPACED EVERY 10' FOR BOATED VISIBILITY (NOT SHOWN TO SCALE)

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Proposed Pier Replacement, Stone Groin Rehabilitations, Bulkhead Replacement, Living Shoreline

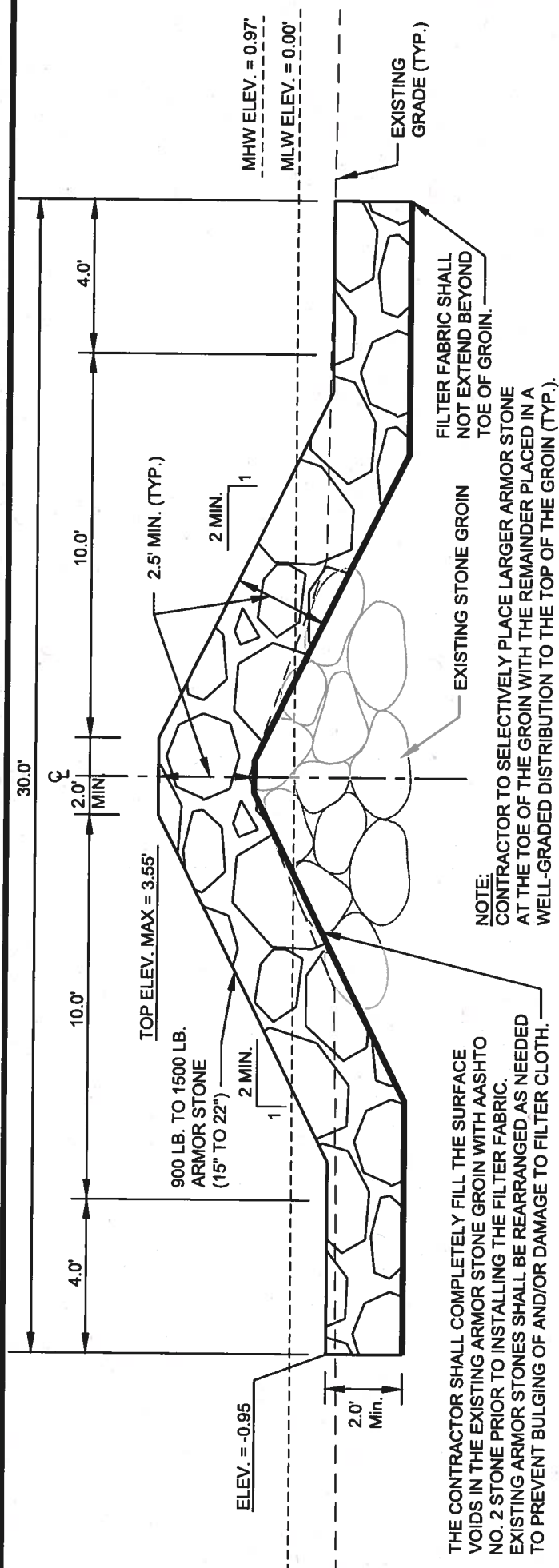
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PROPOSED CONDITIONS PLAN - LIVING SHORELINE WITH STONE SILL



EXTENSION WATERWARD OF MHW LINE
BEACH FILL AND SILL 35' MAX

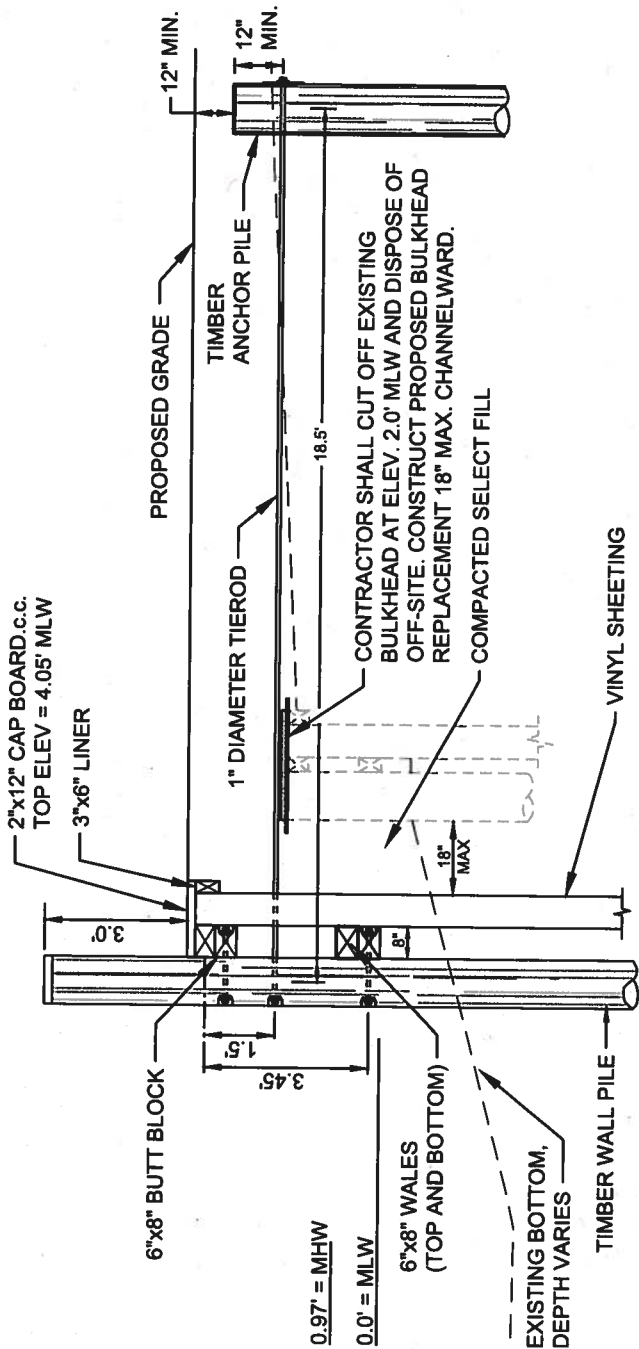
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STONE GROIN TYPICAL SECTION A



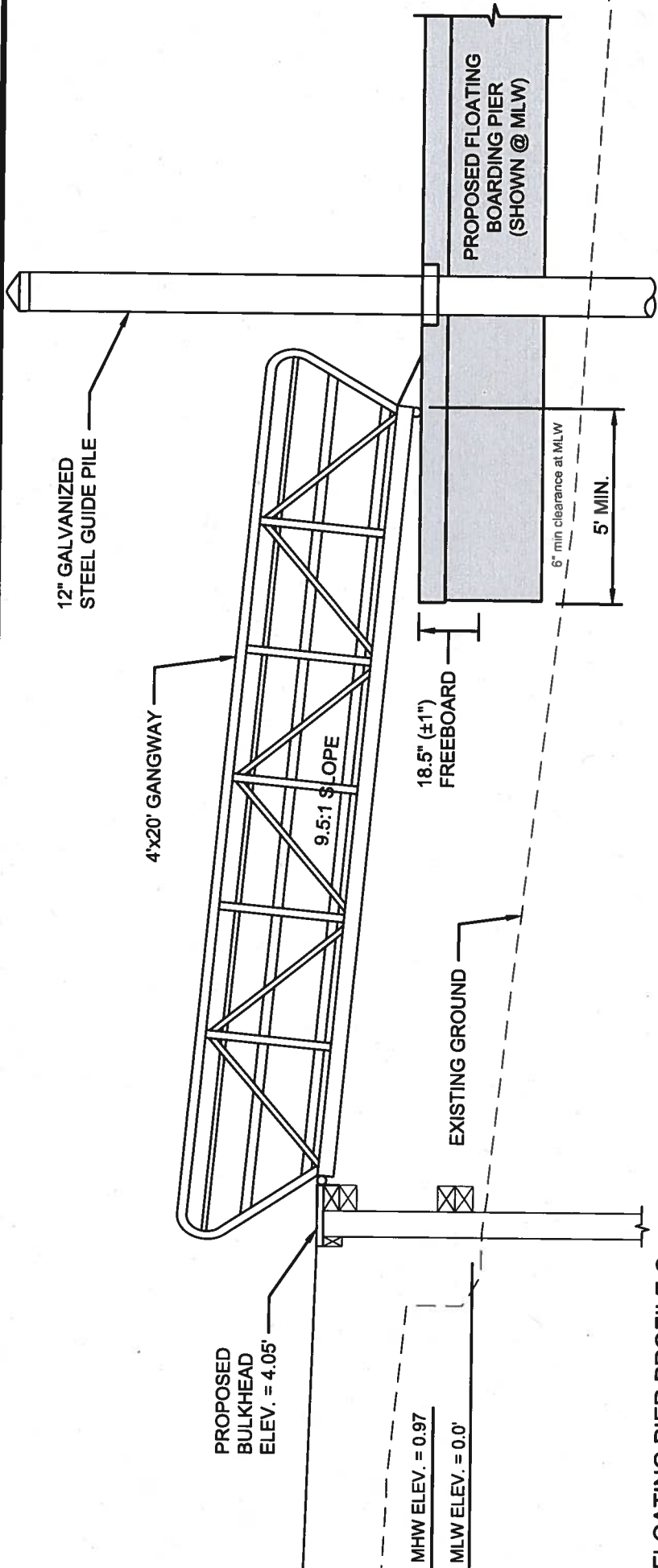
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FLOATING PIER PROFILE C

Scale: 1" = 4'

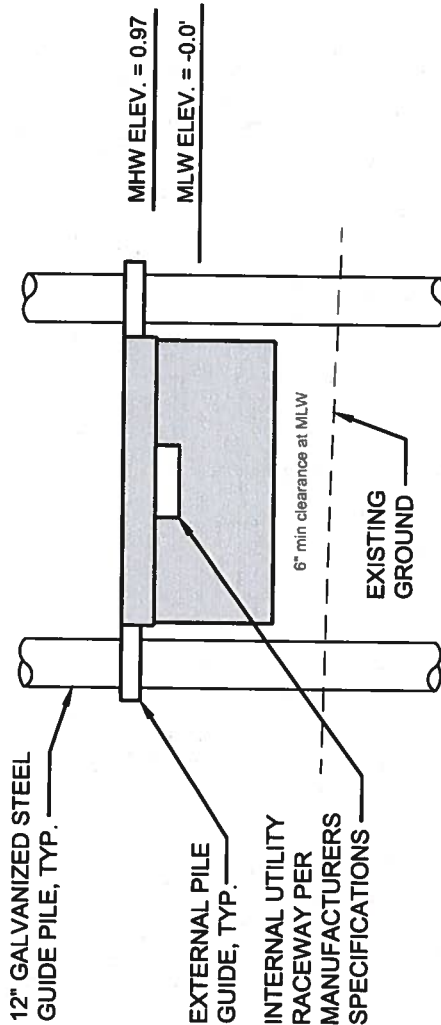
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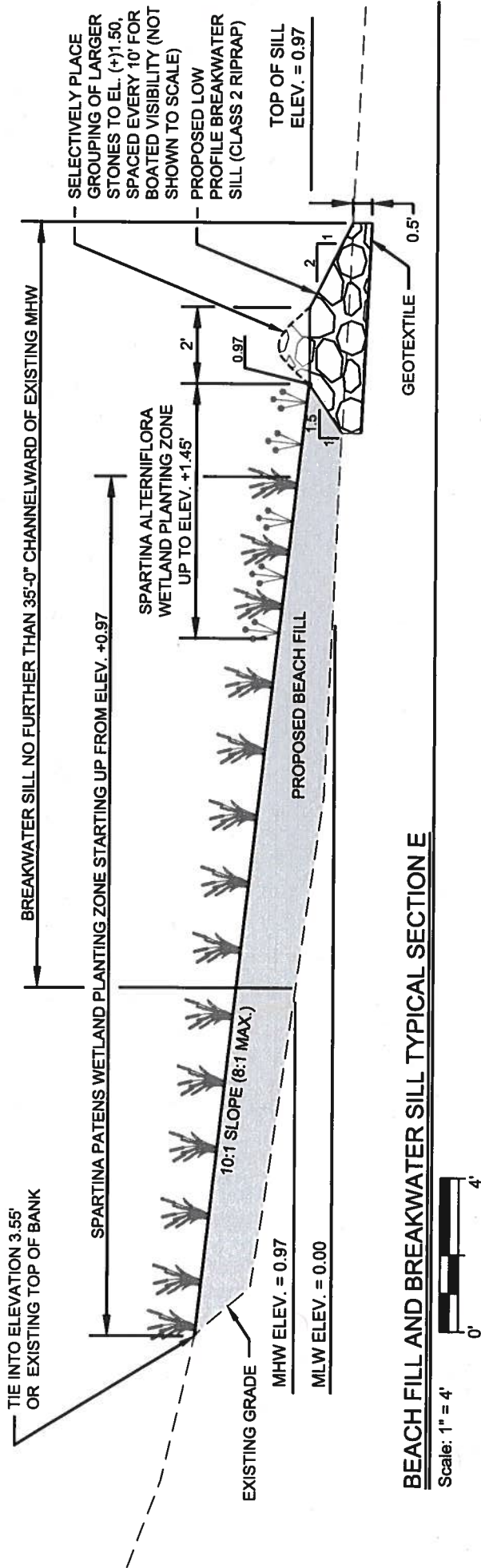
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NOTE: SHOWN AT MLW - 0.0'

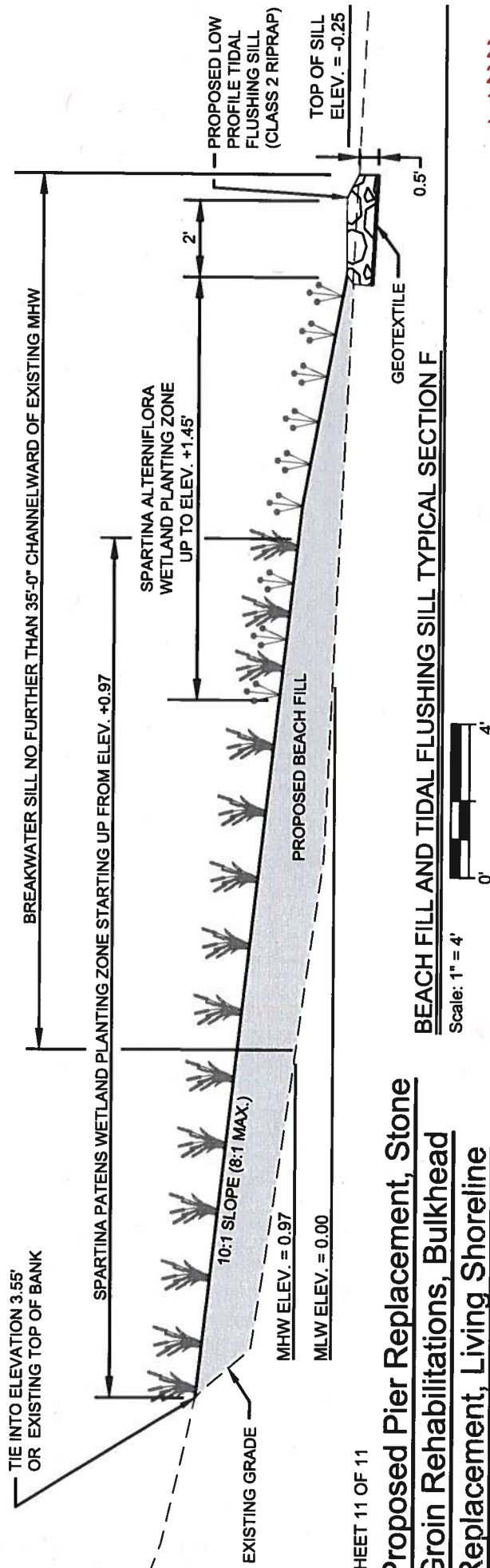
FLOATING PIER SECTION D

Not to Scale



BEACH FILL AND BREAKWATER SILL TYPICAL SECTION E

Scale: 1" = 4'



BEACH FILL AND TIDAL FLUSHING SILL TYPICAL SECTION F

Scale: 1" = 4'

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