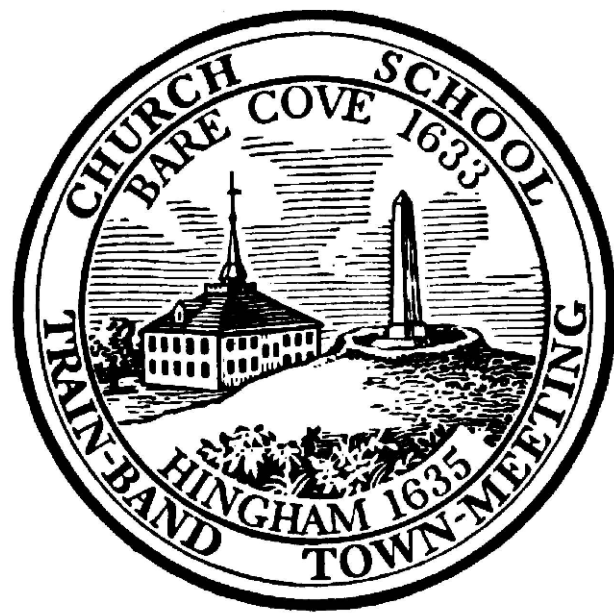


HINGHAM WATERFRONT RESILIENCY PROJECT

HINGHAM, MA
AUGUST 2026

Prepared for:
Town of Hingham, MA



Prepared by:
Sustainable Coastal Solutions, Inc.

&

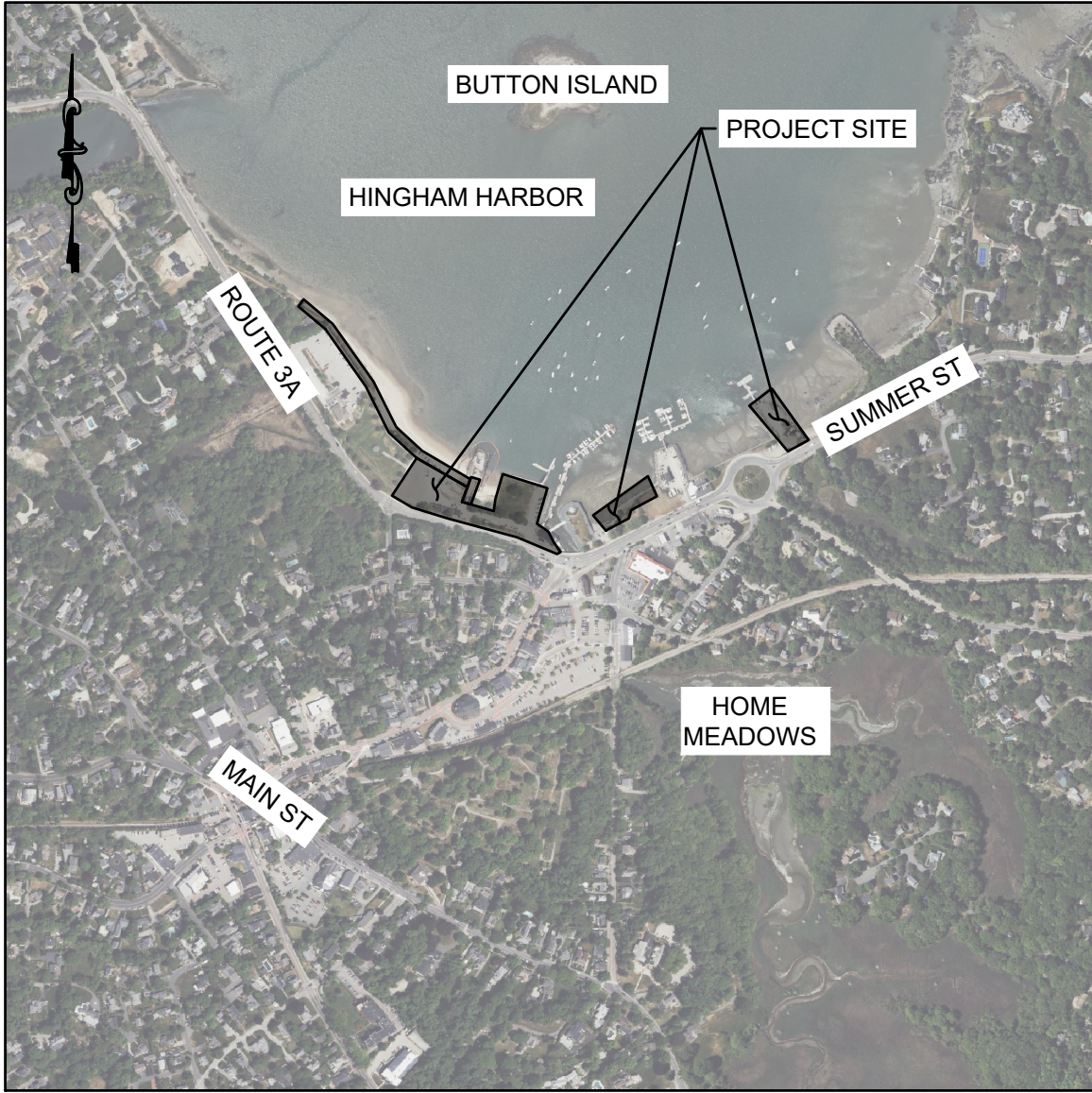
Foth Infrastructure & Environment, LLC



Sheet List Table	
Sheet Number	Sheet Title
G-101	COVER SHEET
G-102	EXISTING CONDITIONS
G-103	EXISTING CONDITIONS
C-101	PROPOSED SITE PLAN
C-102	PROPOSED SITE PLAN
C-401	SECTIONS
C-402	SECTIONS
C-403	SECTIONS
C-404	SECTIONS
C-405	SECTIONS
C-501	DETAILS



VICINITY MAP
NTS



LOCATION MAP
NTS



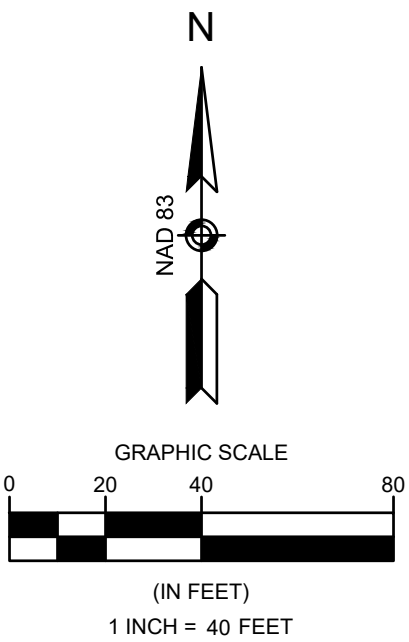
SHEET TITLE
COVER SHEET
SHEET NUMBER
G-101



DATUM OFFSETS	
MLW	NAVD88
11.92	6.64 AAHTL
9.96	4.68 MHHW
9.51	4.23 MHW
5.28	0.00 NAVD 88
4.92	-0.36 NGVD1929
0.00	-5.28 MLW
-0.34	-5.62 MLLW
OFFSETS TAKEN FROM VDATUM ONLINE 8/12/2021	

- GENERAL NOTES
1. TOPOGRAPHIC DATA OBTAINED FROM SURVEY DATED 2004, 03/02/2010, 12/30/2010 & 05/02/2011 BY CLE ENGINEERING, INC.; 07/05/2022, 08/04/2023, 09/07/2025, 03/25/2025 AND 09/25/2025 BY FOTH INFRASTRUCTURE AND ENVIRONMENT, LLC.; AND 6/11/2024 BY SUSTAINABLE COASTAL SOLUTIONS.
 2. HYDROGRAPHIC DATA SHOWN IS FROM FOTH POST DREDGE SURVEY DATED 11/11/2019.
 3. ELEVATIONS ARE IN FEET AND TENTHS, AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 4. SITE IS LOCATED WITHIN FEMA FLOOD ZONES VE AND AE AS SHOWN. FLOOD ELEVATIONS SHOWN ON FIRM MAP 25023C0082J EFFECTIVE DATE 7/12/2012.
 5. BENCHMARK IS NGS DISK MY2164 / "J 42" SET IN SEAWALL, ELEVATION +9.82' NAVD88 (GEOID12B).
 6. COORDINATES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) MASSACHUSETTS STATE PLANE.
 7. SITE FEATURES SHOWN FROM GREENBUSH LINE TOWN WIDE PROJECT PLANS PROVIDED BY TOWN OF HINGHAM DEPARTMENT OF PUBLIC WORKS (DPW) ON 4/13/11.
 8. UTILITIES SHOWN ARE BASED ON RECORD INFORMATION PROVIDED BY THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT).
 9. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN FIELD BY THE CONTRACTOR.
 10. PROPERTY LINES ARE APPROXIMATE AND BASED UPON THE MOST RECENT INFORMATION AVAILABLE FROM THE TOWN OF HINGHAM ASSESSORS OFFICE.
 11. LIMITS OF COASTAL DUNE AND COASTAL BEACH WERE DELINEATED BY SUSTAINABLE COASTAL SOLUTIONS, INC. ON JUNE 11, 2024.
 12. LIMITS OF COASTAL BANK SHOWN REFLECT COMMENTS FROM AGENCIES DURING THE MEPA REVIEW PROCESS THAT THE SEAWARD EDGE OF ELEVATED MANMADE STRUCTURES SHALL BE CONSIDERED COASTAL BANK.
 13. SHELLFISH SUITABILITY AREA LIMITS SHOWN ARE BASED UPON THE MOST RECENT AVAILABLE MAGIS INFORMATION.
 14. THE SITE IS LOCATED ENTIRELY WITHIN THE BOSTON HARBOR DRAINAGE BASIN AS INDICATED BY THE MOST RECENT AVAILABLE MAGIS INFORMATION.
 15. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AND COLLECTED ON THE DATES SHOWN, AND CAN ONLY BE CONSIDERED AS INDICATING THE SITE CONDITIONS AT THAT TIME. INTERPOLATED INFORMATION FROM BETWEEN SOUNDING RUNS IS NOT GUARANTEED. SHOALS, OBSTRUCTIONS OR OTHER DIFFERING CONDITIONS MAY EXIST BETWEEN THESE RUNS. NO SURVEYS WERE CONDUCTED TO LOCATE PROPERTY LINES, CHANNEL LIMITS, EASEMENTS, UTILITIES, STRUCTURES, HABITATS OR ANY OTHER PHYSICAL FEATURES RELATING TO THE PROJECT SITE, NOR DOES FOTH WARRANT THE EXISTENCE OR LOCATION OF SAID PHYSICAL FEATURES.

- LEGEND
- COASTAL WETLAND BOUNDARY
 - 50' BUFFER ZONE
 - 100' BUFFER ZONE
 - LIMIT OF LSCSF



TOWN OF HINGHAM, MA

95 OTIS STREET - 0 SUMMER STREET

HINGHAM WATERFRONT RESILIENCY PROJECT

REVISIONS		NO	BY	DATE	DESCRIPTION
		1			
		2			
		3			
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DATE OF PREPARATION		BY	DATE
SURVEYED			
DRAWN			
DESIGNED			
CHECKED			

SHEET TITLE:

EXISTING CONDITIONS

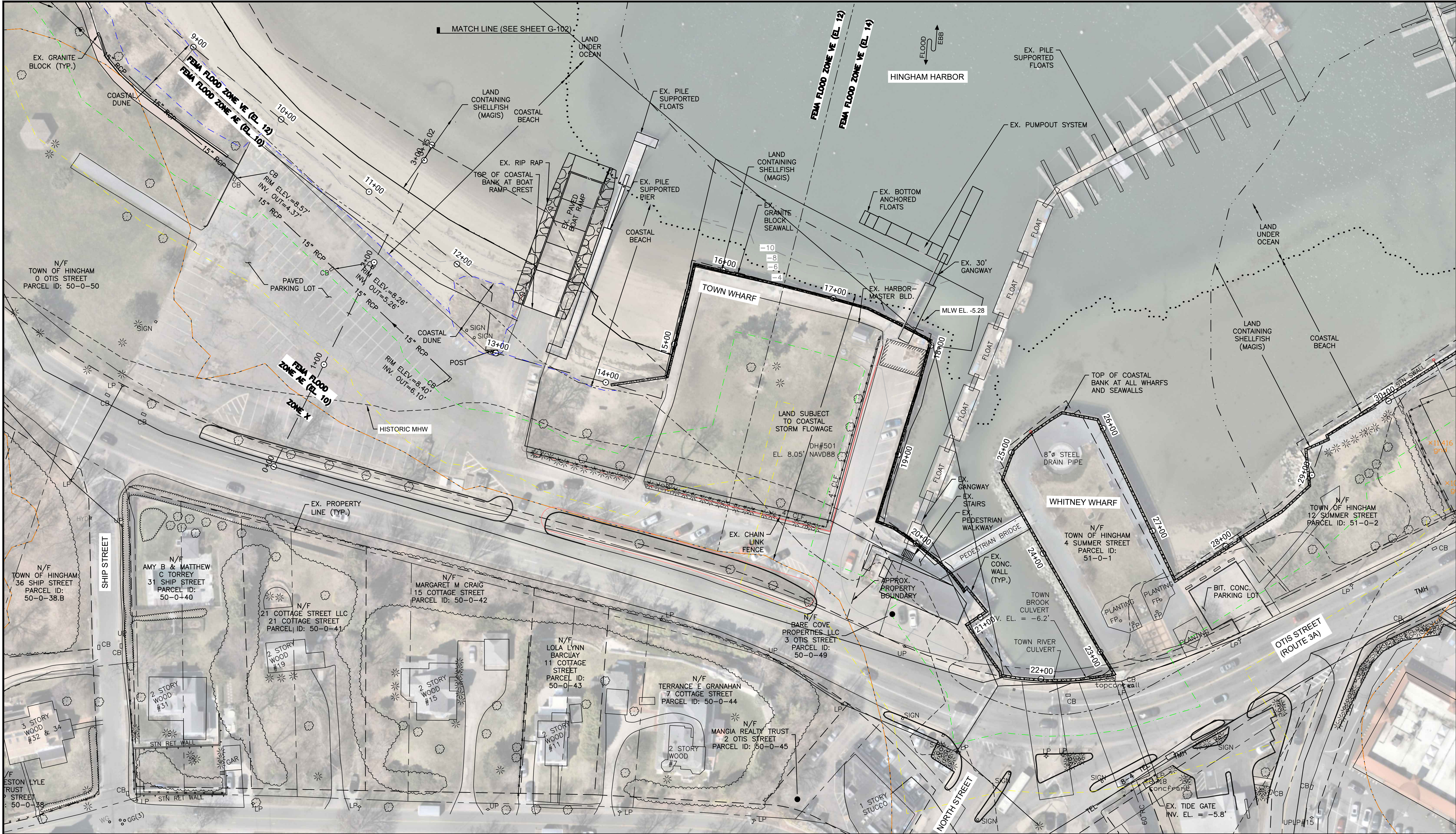
ISSUANCE:

FOR PERMITTING PURPOSES ONLY

PROJECT NO: 0024H024.00

SHEET NUMBER

G-102



DATUM OFFSETS

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9.96	4.68
9.51	4.23
5.28	0.00
4.92	-0.36
0.00	-5.28
-0.34	-5.62

OFFSETS TAKEN FROM VDATUM ONLINE 8/12/2021

LEGEND

COASTAL WETLAND BOUNDARY	---
50' BUFFER ZONE	---
100' BUFFER ZONE	---
LIMIT OF LSCSF	---

NAVIGATIONAL MARKS

AAHTL	6.64
MHHW	4.68
MHW	4.23
NAVD 88	0.00
NGVD1929	-0.36
MLW	-5.28
MLLW	-5.62

GRAPHIC SCALE

0 20 40 80

(IN FEET)

1 INCH = 40 FEET

EXISTING CONDITIONS

FOR PERMITTING PURPOSES ONLY

PROJECT NO: 0024H024.00

SHEET NUMBER

G-103

Foth

SCS

TOWN OF HINGHAM, MA

95 OTIS STREET - 0 SUMMER STREET

HINGHAM WATERFRONT RESILIENCY PROJECT

NO.	DATE	DESCRIPTION
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DATE OF PREPARATION

BY	DATE

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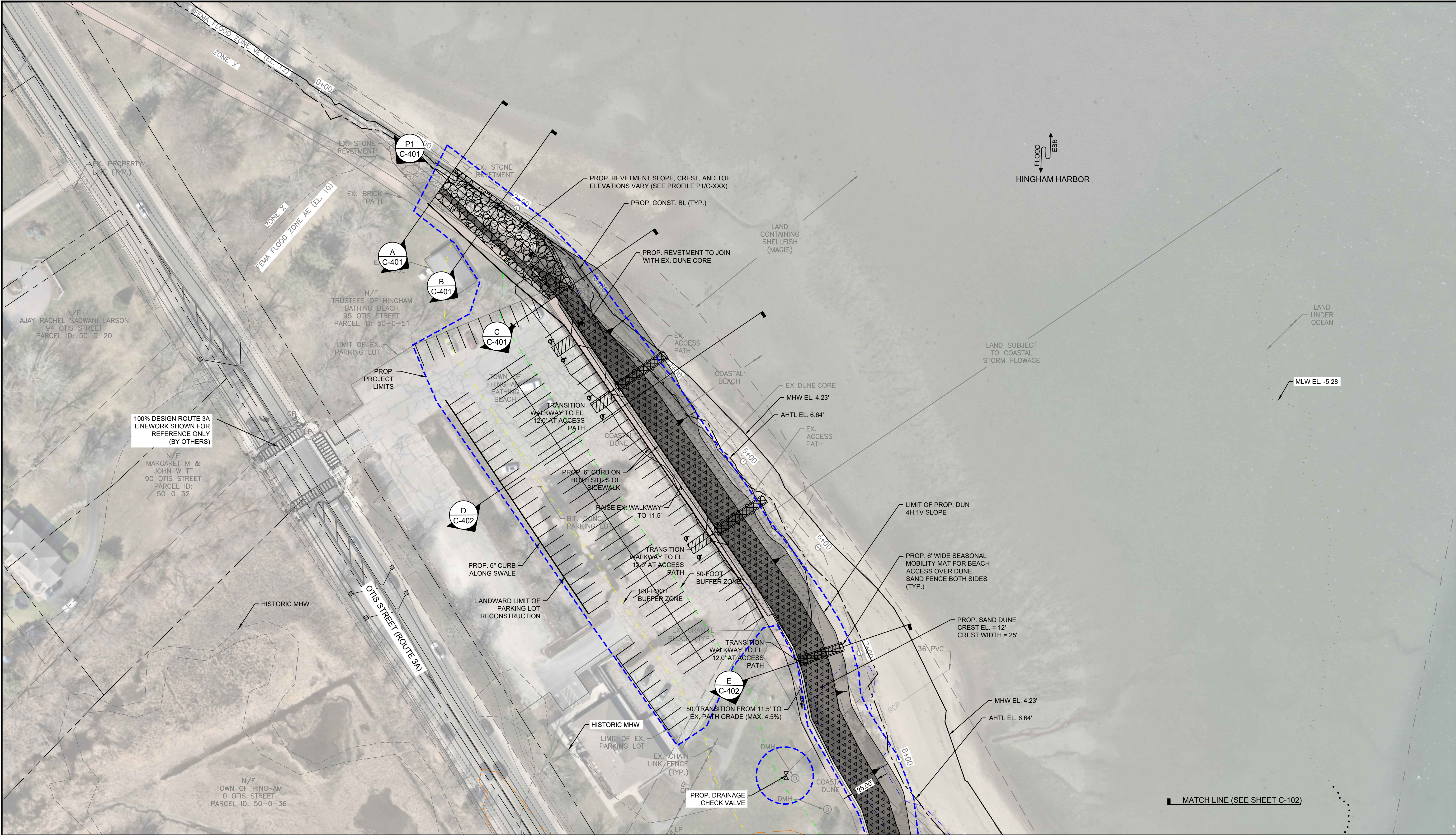
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SHEET NUMBER

G-103



DATUM OFFSETS	
MLW	NAVD88
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4.92	-0.36 NGVD1929
0.00	-5.28 MLW
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OFFSETS TAKEN FROM VDATUM ONLINE 8/12/2021	

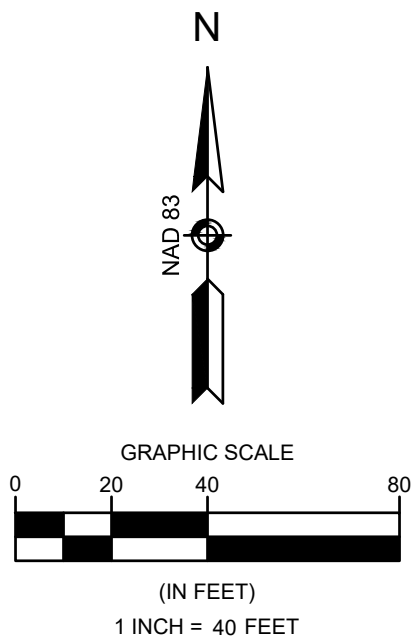
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LEGEND

- COASTAL WETLAND BOUNDARY
- 50' BUFFER ZONE
- 100' BUFFER ZONE
- LIMIT OF LSCSF
- PROJECT LIMITS



TOWN OF HINGHAM, MA
95 OTIS STREET - 0 SUMMER STREET
HINGHAM WATERFRONT RESILIENCY PROJECT

REVISIONS		DATE OF PREPARATION				
NO	DESCRIPTION	BY	DATE			
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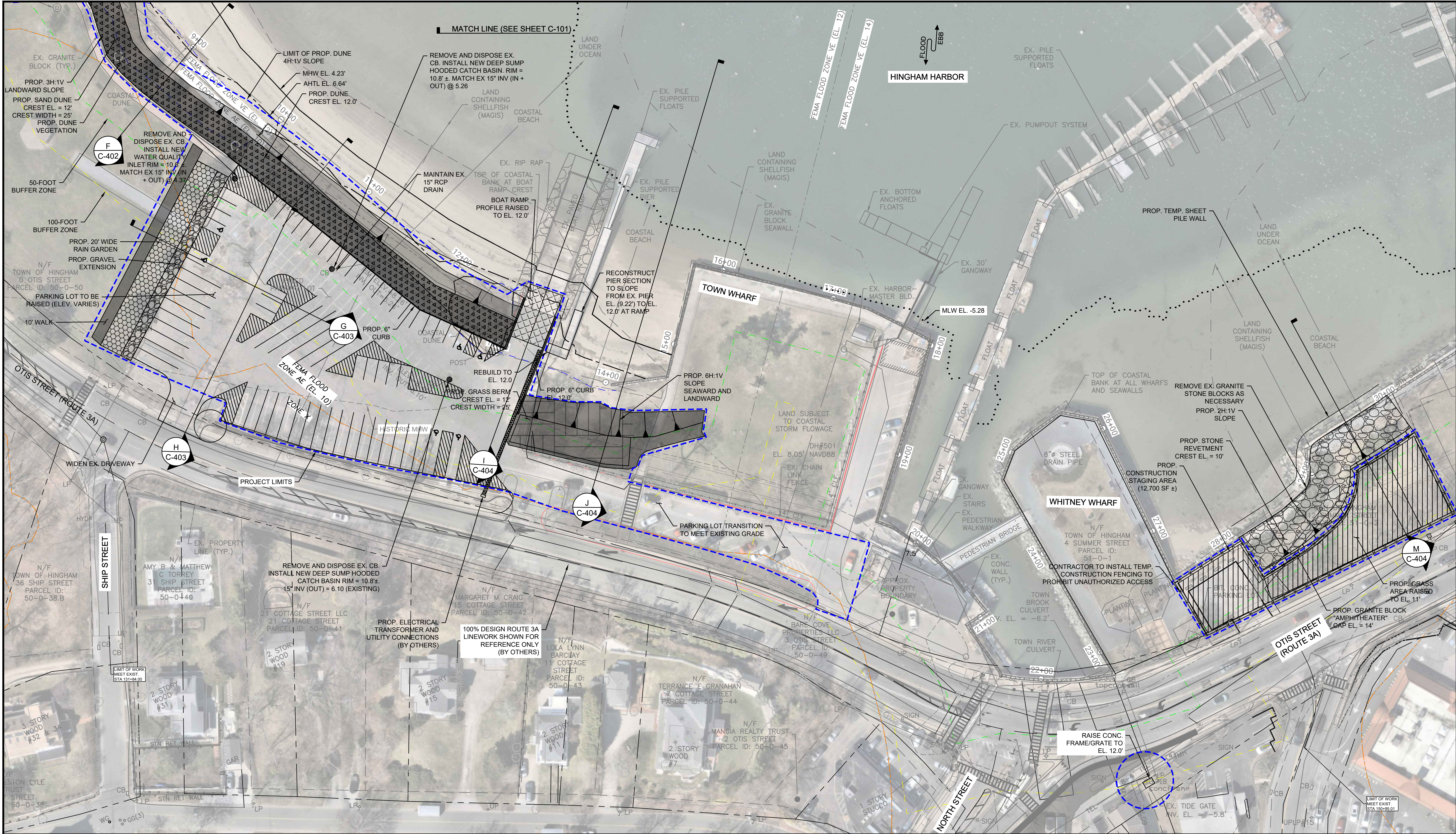
SHEET TITLE:	BY	DATE

PROPOSED
SITE PLAN

ISSUANCE:
**FOR PERMITTING
PURPOSES ONLY**

PROJECT NO: 0024H024.00

SHEET NUMBER
C-101



DATUM OFFSETS

MLW	NAVD88
11.92	6.64
9.96	4.68
9.51	4.23
5.28	0.00
4.92	-0.36
0.00	-5.28
-0.34	-5.62

OFFSETS TAKEN FROM VDATUM ONLINE 8/12/2021

LEGEND

COASTAL WETLAND BOUNDARY	---
50' BUFFER ZONE	---
100' BUFFER ZONE	---
LIMIT OF LSCSF	---
PROJECT LIMITS	---

GRAPHIC SCALE

0 20 40 80

(IN FEET)

1 INCH = 40 FEET

PROPOSED SITE PLAN

Foth

SCS

TOWN OF HINGHAM, MA

95 OTIS STREET - 0 SUMMER STREET

HINGHAM WATERFRONT RESILIENCY PROJECT

NO.	DATE	DESCRIPTION

DATE OF PREPARATION

BY	DATE

SHEET TITLE:

PROPOSED SITE PLAN

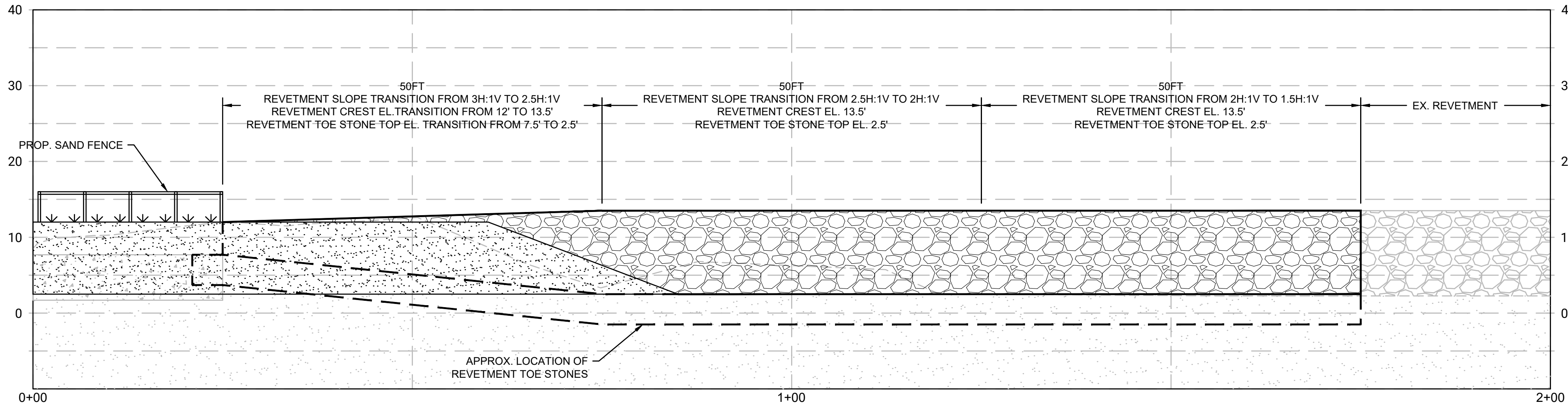
ISSUANCE:

FOR PERMITTING PURPOSES ONLY

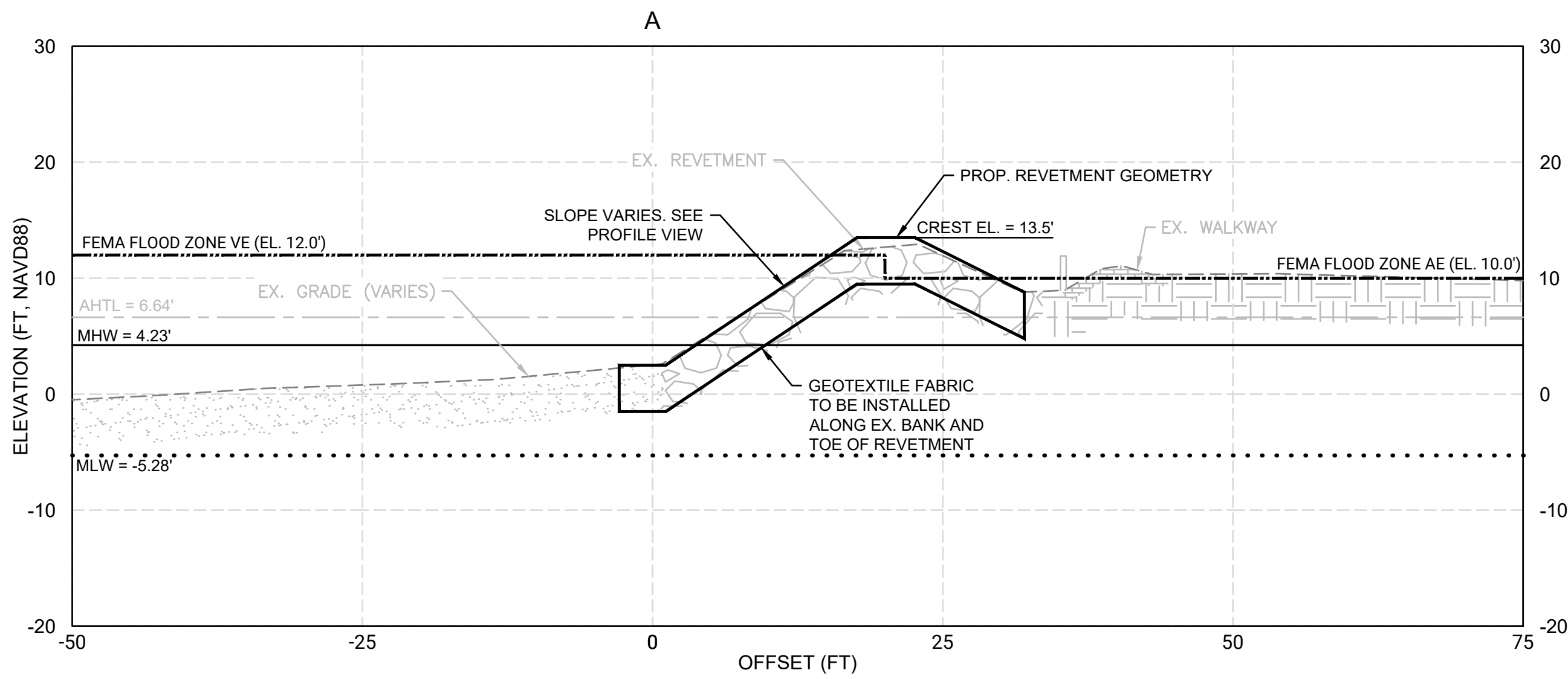
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SHEET NUMBER

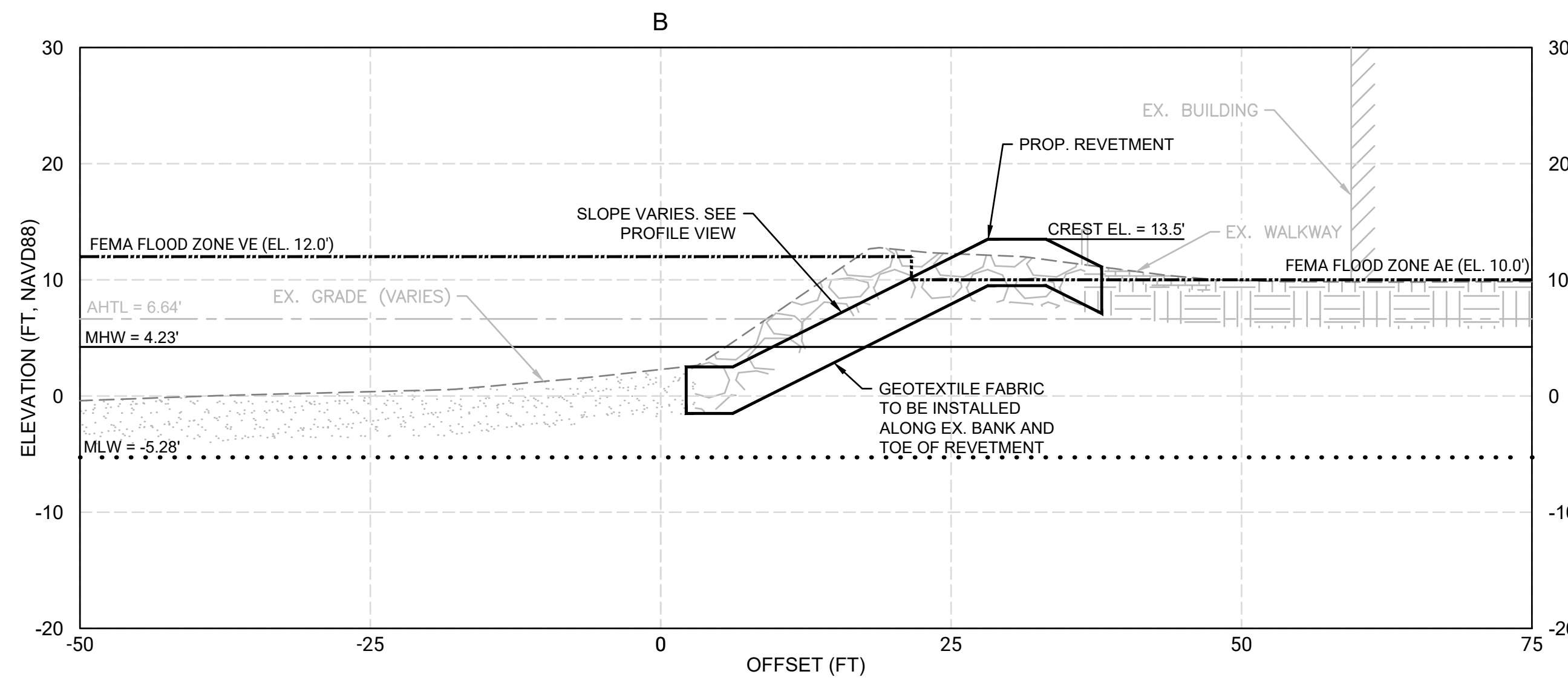
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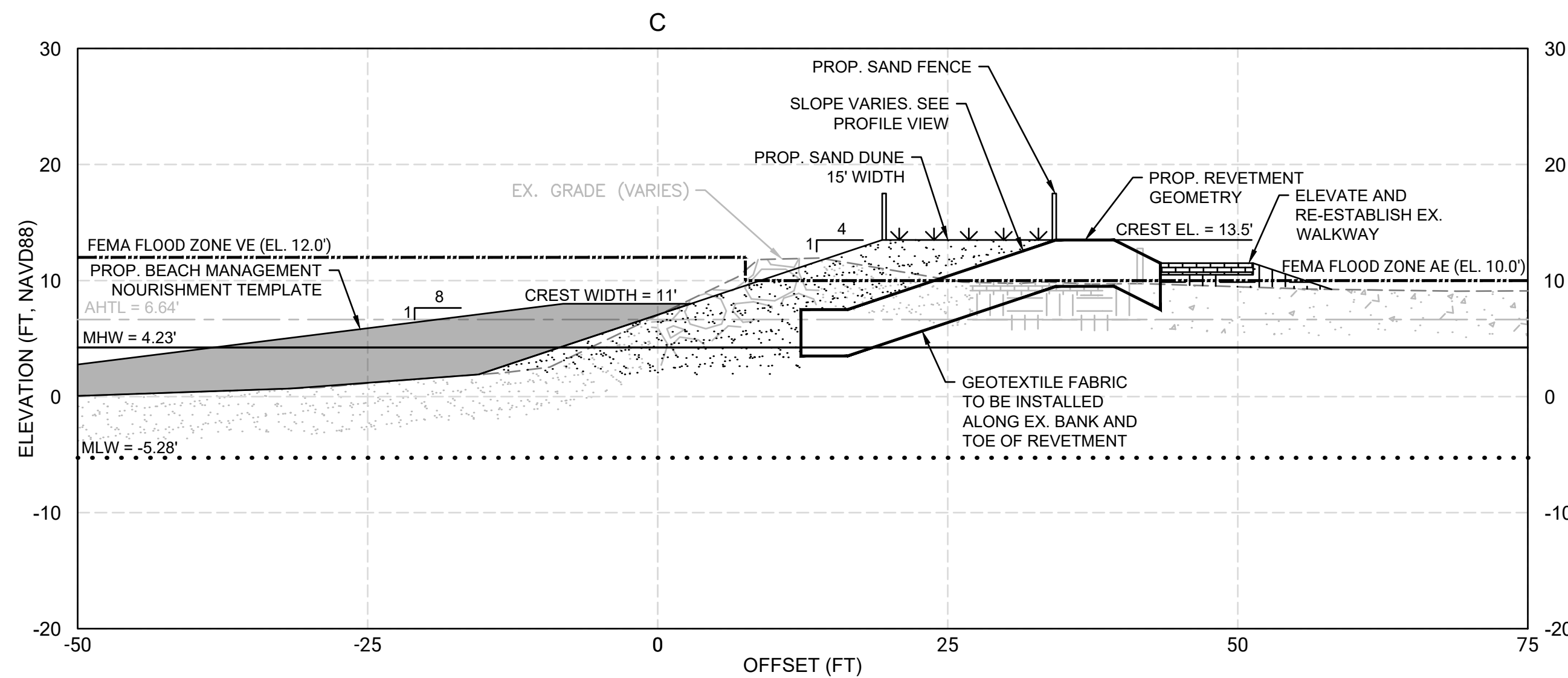
P1
C-101 DUNE TO REVETMENT TRANSITION PROFILE
SCALE: 1" = 10'



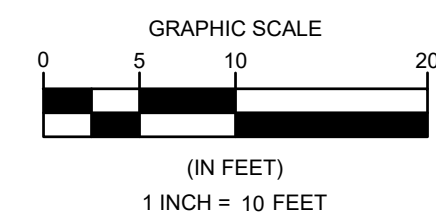
A
C-101 PROPOSED REVETMENT
SCALE: 1" = 10'



B
C-101 PROPOSED REVETMENT
SCALE: 1" = 10'



C
C-101 PROPOSED REVETMENT TO DUNE TRANSITION
SCALE: 1" = 10'



TOWN OF HINGHAM, MA
95 OTIS STREET - 0 SUMMER STREET
HINGHAM WATERFRONT RESILIENCY PROJECT

REVISIONS	DESCRIPTION		DATE	BY	NO.	DATE OF PREPARATION	BY	DATE
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SHEET TITLE:

SECTIONS

ISSUANCE:

FOR PERMITTING PURPOSES ONLY

PROJECT NO:

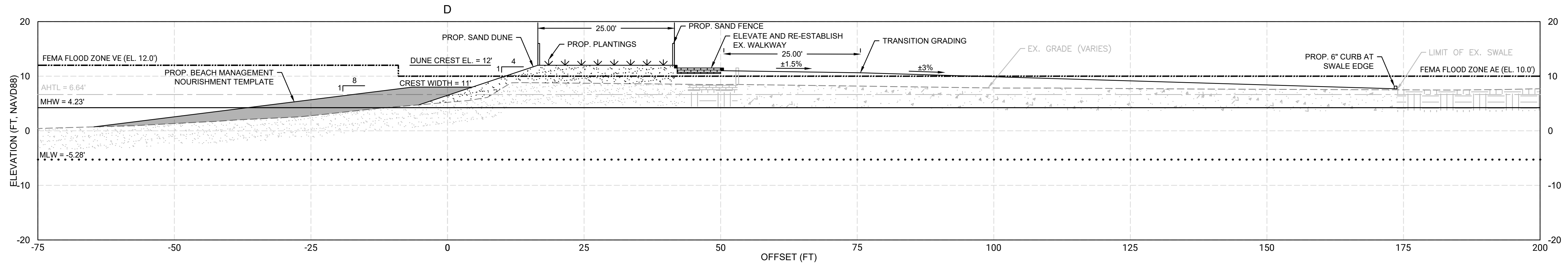
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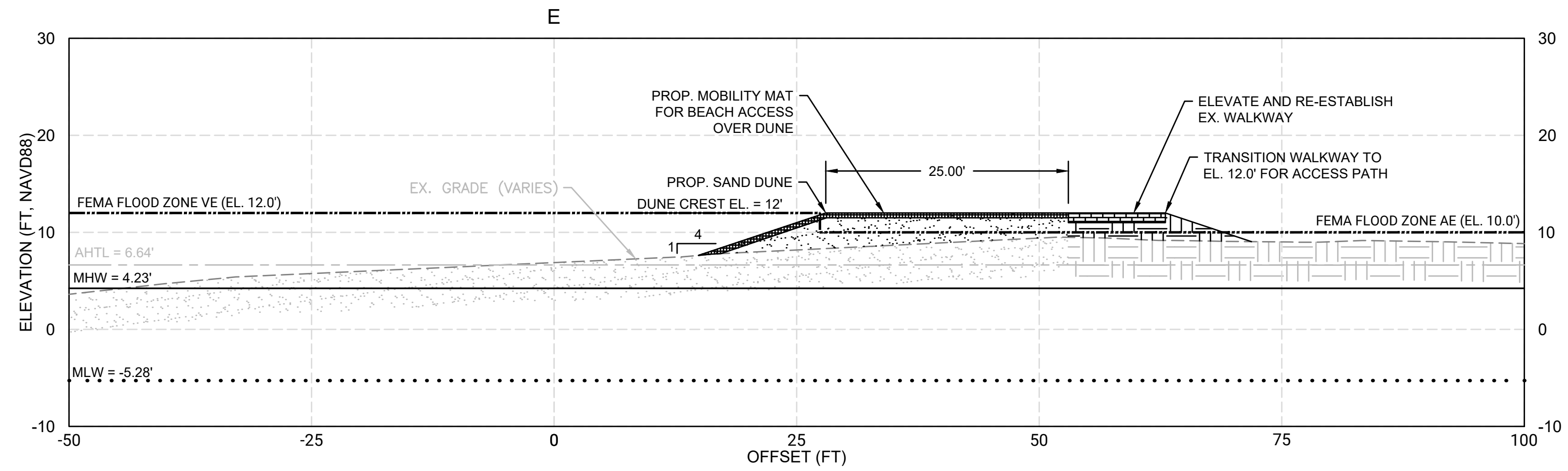
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SECTIONS

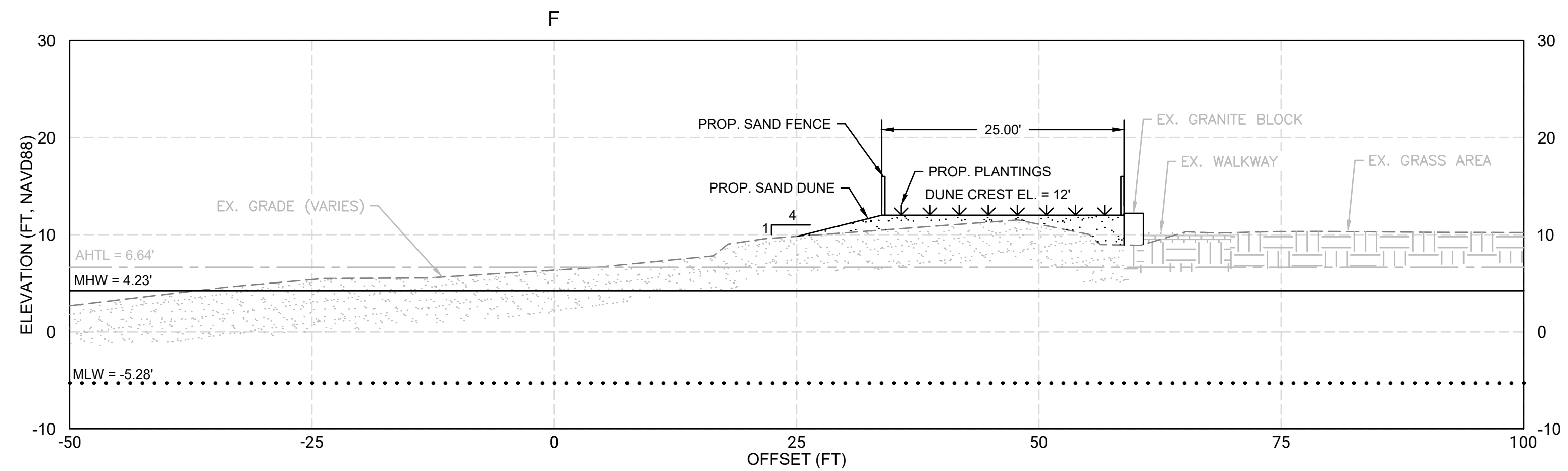
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FOR PERMITTING PURPOSES ONLY
PROJECT NO: 0024H024.00
SHEET NUMBER
C-401



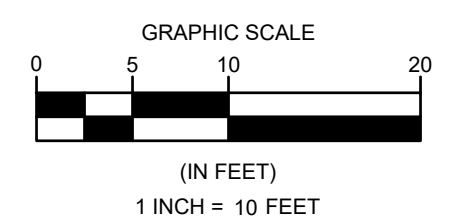
D BATHING BEACH PARKING LOT AND DUNE
C-101 SCALE: 1" = 10'



E PROPOSED DUNE
C-101 SCALE: 1" = 10'



F PROPOSED DUNE
C-102 SCALE: 1" = 10'



TOWN OF HINGHAM, MA
95 OTIS STREET - 0 SUMMER STREET
HINGHAM WATERFRONT RESILIENCY PROJECT

REVISIONS		DESCRIPTION		DATE		BY		NO	

DATE OF PREPARATION		
SURVEYED	BY	DATE
DRAWN		
DESIGNED		
CHECKED		

SHEET TITLE:

SECTIONS

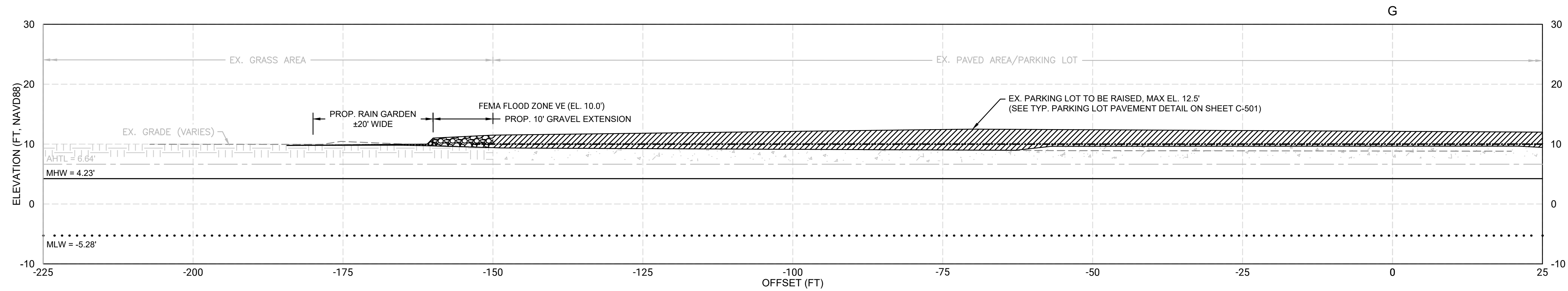
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FOR PERMITTING PURPOSES ONLY

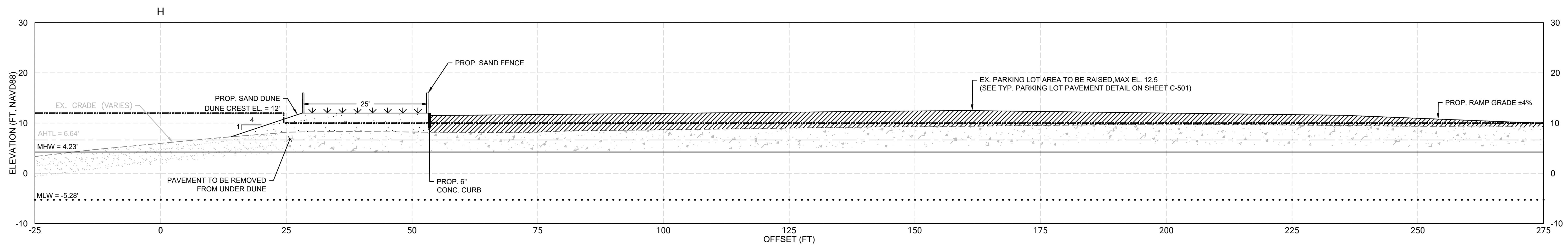
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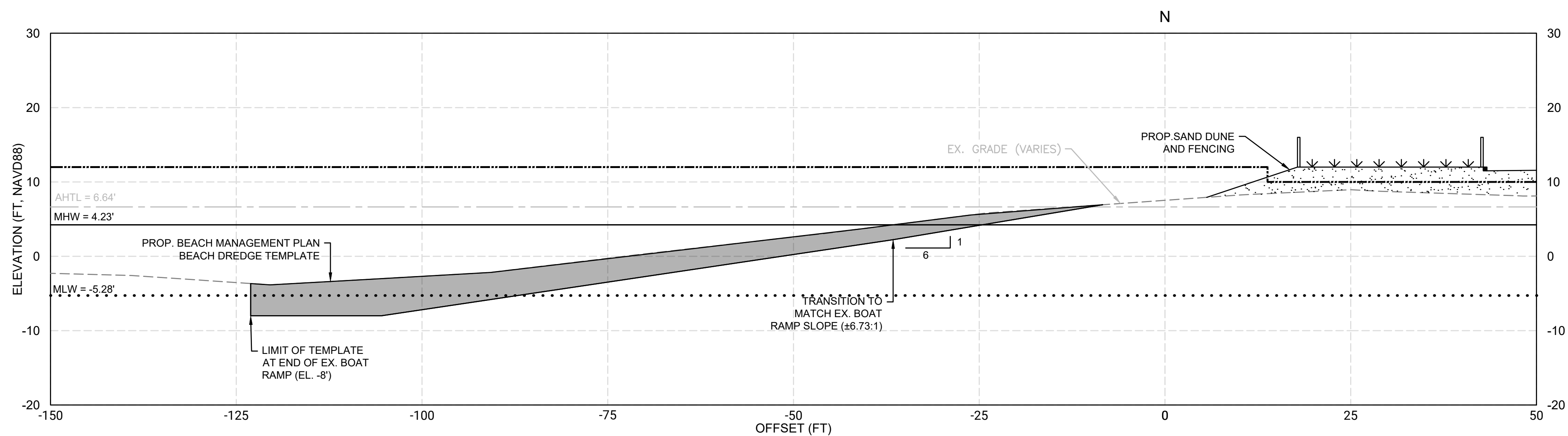
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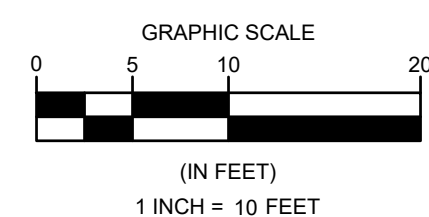
G
C-102 PROPOSED PARKING LOT
SCALE: 1" = 10'



H
C-102 PROPOSED PARKING LOT
SCALE: 1" = 10'



N
C-104 PROPOSED BEACH MANAGEMENT PLAN - DREDGE TEMPLATE
SCALE: 1" = 10'



TOWN OF HINGHAM, MA
95 OTIS STREET - 0 SUMMER STREET
HINGHAM WATERFRONT RESILIENCY PROJECT

REVISIONS				
NO	BY	DATE	DESCRIPTION	
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CHECKED	

SHEET TITLE:

SECTIONS

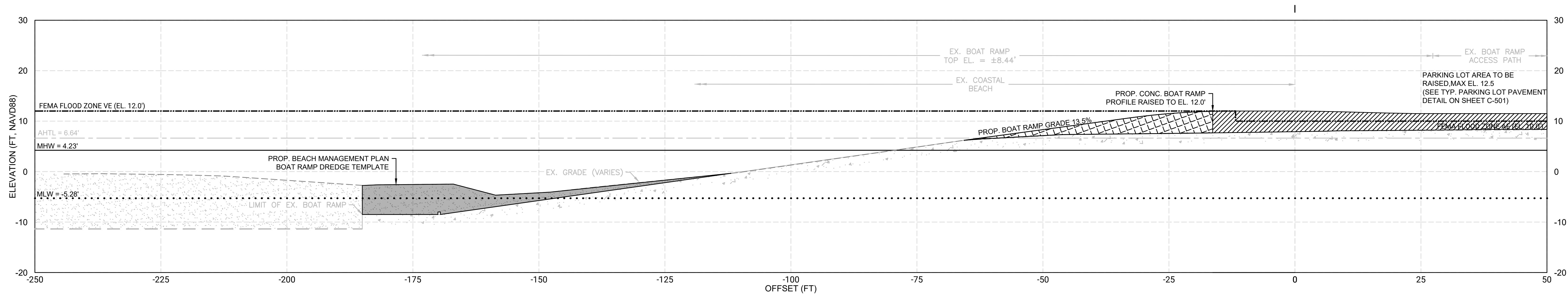
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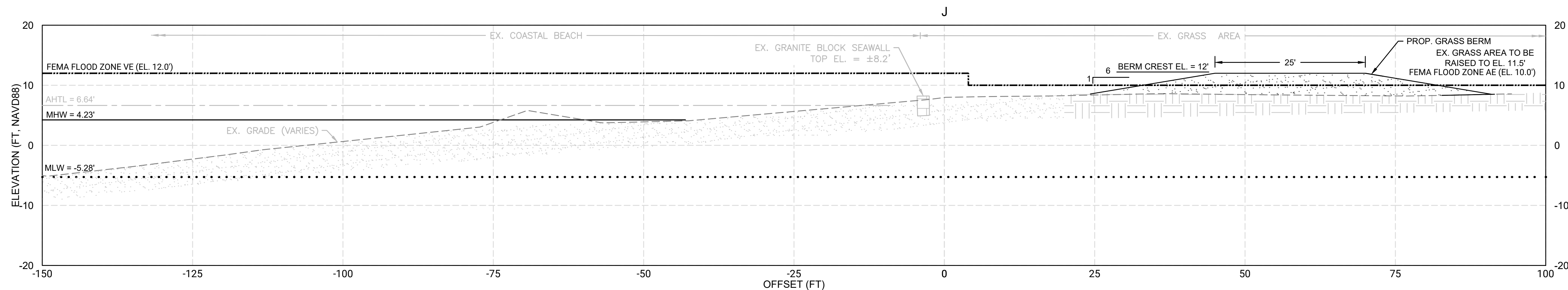
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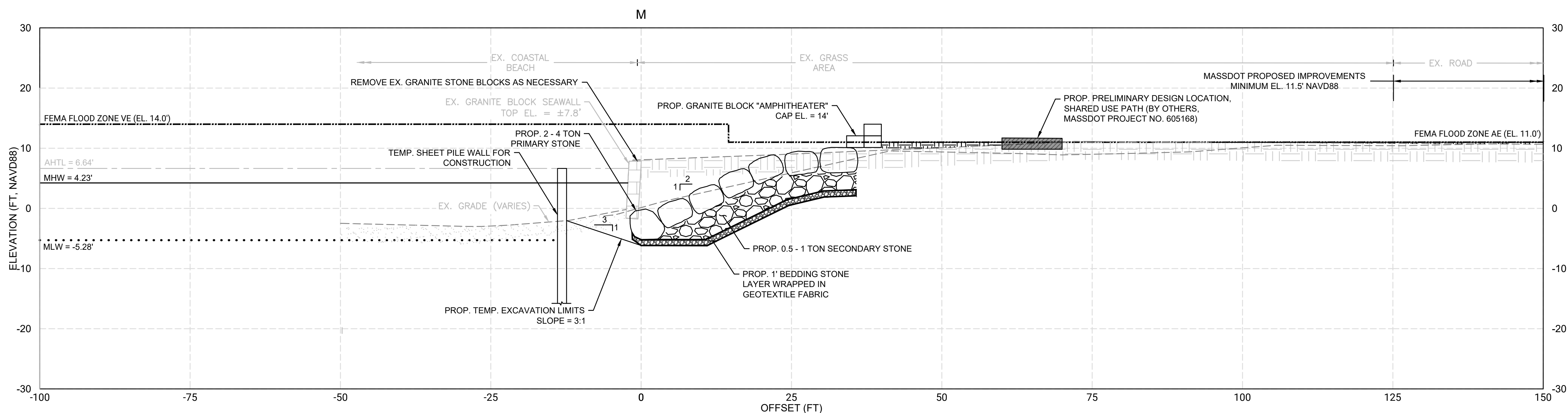
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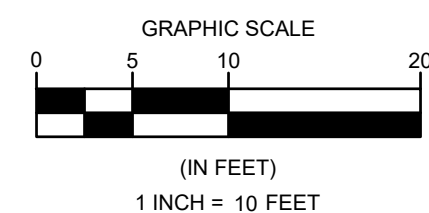
I
C-102
PROPOSED BOAT RAMP IMPROVEMENTS
SCALE: 1" = 10'



J
C-102
PROPOSED GRASS BERM
SCALE: 1" = 10'



M
C-102
PROPOSED POW/MIA PARK REVETMENT
SCALE: 1" = 10'

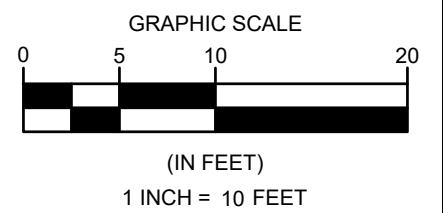


TOWN OF HINGHAM, MA
95 OTIS STREET - 0 SUMMER STREET
HINGHAM WATERFRONT RESILIENCY PROJECT

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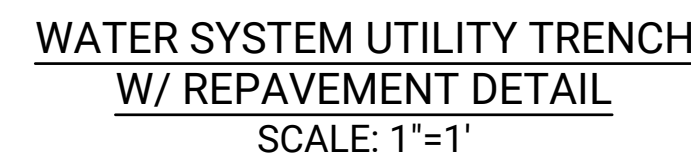
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CHECKED	
SHEET TITLE:	
SECTIONS	

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FOR PERMITTING PURPOSES ONLY	
PROJECT NO:	0024H024.00
SHEET NUMBER	C-404



**TOWN OF HINGHAM, MA
95 OTIS STREET - 0 SUMMER STREET
HINGHAM WATERFRONT RESILIENCY PROJECT**

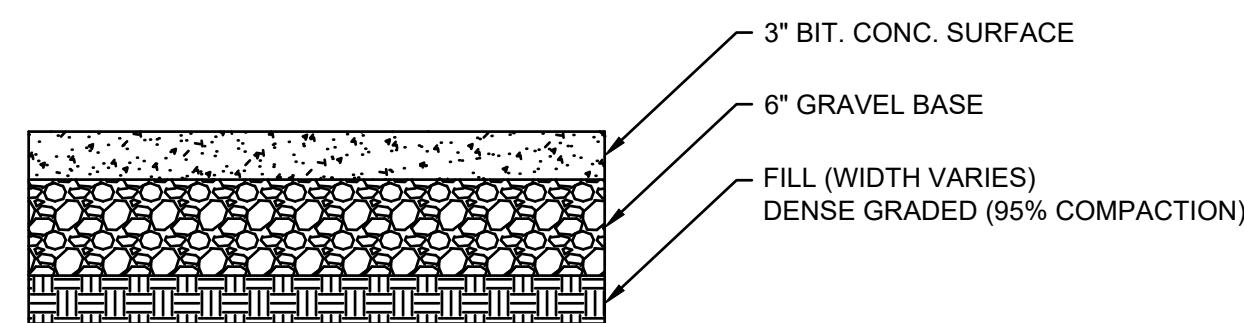
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DATE OF PREPARATION				
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CHECKED				
SHEET TITLE: SECTIONS				
ISSUANCE: FOR PERMITTING PURPOSES ONLY				
PROJECT NO: 0024H024.00				
SHEET NUMBER				
C-405				



-
- STANDARD C.I. CATCH BASIN FRAME & GRATE, EAST JORDAN IRON WORKS TYPE LF24-2 OR APPROVED EQUAL
- BRICK RISER 2 COURSES (MIN.) FOR GRADE ADJUSTMENTS FRAME TO BE SET IN FULL BED OF MORTAR.
- GRATE
- 24" SQUARE
- 48" DIA.
- 5" MIN.
- 4'-0" SLUMP
- 6"
- HEIGHT OF RISER SECTIONS VARY FROM 1 TO 4'
- SHIPLAP JOINT W/1" DIA. BUTYL RUBBER SEAL
- PIPE
- 0.012"
- OUTLET PIPE PER PLAN PROVIDE "V" OPENINGS AND NON-SHRINK GROUT AT ALL OPENINGS TO BE PRECAST IN BARREL SECTION
- ELIMINATOR OIL & DEBRIS TRAP OR EQUAL
- 6" DEPTH OF 3/4" CRUSHED STONE FOUNDATION (MASSDOT SPEC M2.01.4)

NOTES

1. CATCH DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
3. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
4. BASE SECTION TO BE MONOLITHIC.
5. WHERE CATCH BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL CATCH BASIN SPECIFICATIONS.



3 SHREDDED HARDWOOD MULCH

2:1 (MIN)

15 CM DEPTH

PLANTING SOIL

5 CM

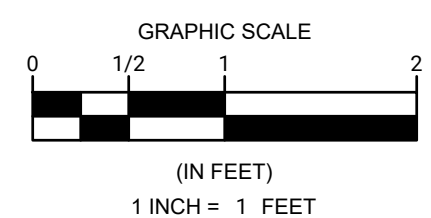
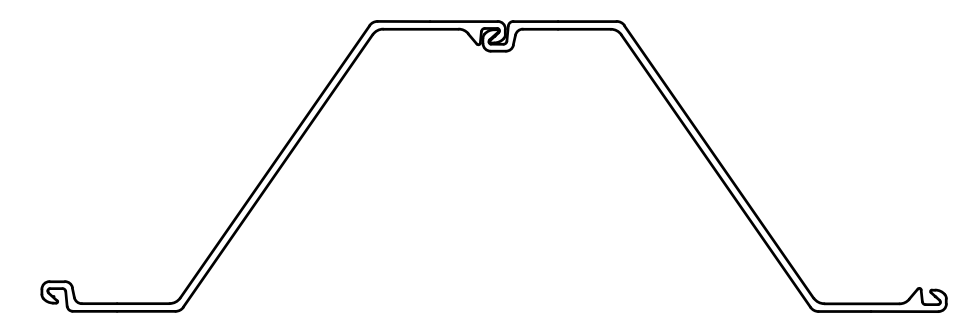
SAND BED

2:1 (MIN)

NOTES

1. PLANTING SOIL MIX SHALL BE A MIXTURE OF SAND COMPOST AND SOIL COMPRISED OF THE FOLLOWING:

40% SAND
20-30% SCREENED TOPSOIL
30-40% COMPOST
CLAY CONTENT <5%
PH 5.5-6.5
SOLUBLE SALT < 500 PPM
2. RAIN GARDEN BOTTOM AREA AND SIDE SLOPES TO BE SEED WITH NEW ENGLAND WETLAND SEED MIX AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC. (OR APPROVED EQUAL)

[illegible]

DATE OF PREPARATION

	BY	DATE
SURVEYED		
DRAWN		
DESIGNED		
CHECKED		

SHEET TITLE:

DETAILS

ISSUANCE:

**FOR PERMITTING
PURPOSES ONLY**

PROJECT NO: 0024H024.00

SHEET NUMBER

C-501