

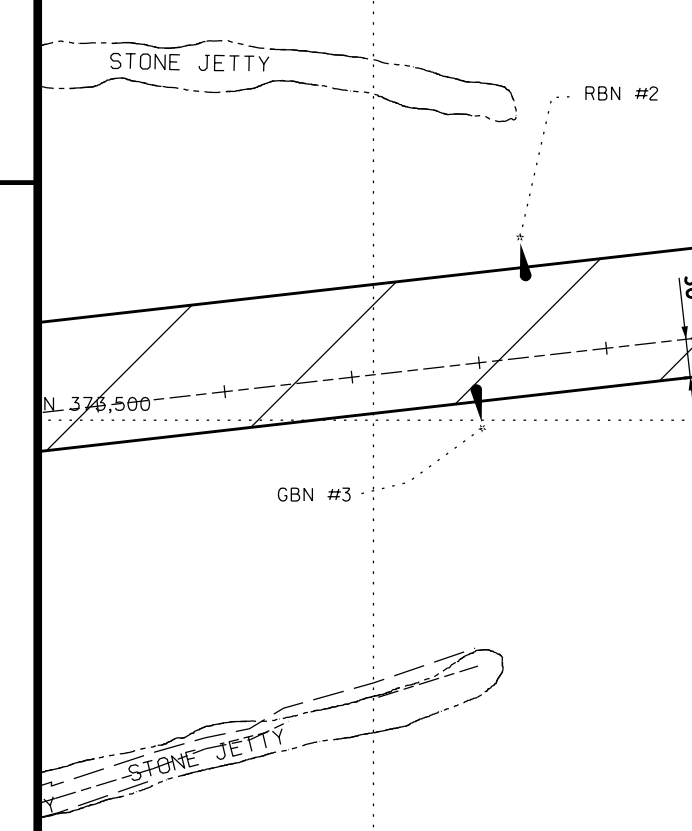
**CONTRACTOR NOTE**  
 THE CONTRACTOR SHALL VERIFY TO HIS SATISFACTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS, PRIOR TO THEIR USE FOR ANY CHANNEL STAKE OUT, SHORE STATION LOCATIONS FOR ELECTRONIC POSITIONING EQUIPMENT OR ANY OTHER DREDGING PURPOSES. THE BALTIMORE DISTRICT CORPS OF ENGINEERS IS NOT RESPONSIBLE IN ANY WAY FOR ANY DREDGING OR CONSTRUCTION PROBLEMS RESULTING FROM A FAILURE OF THE CONTRACTOR OR SUBCONTRACTORS TO CONFIRM COORDINATES, DISTANCES AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.

NOTE:  
 1. STATIONS ARE AT 1000' INTERVALS.  
 2. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.  
 3. VERTICAL DATUM: MLLW FOR THE '83-'01 TIDAL EPOCH.  
 4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE (1900) COORDINATE SYSTEM.  
 5. SURVEYED BY THE HYDRO 11 USING A TRIMBLE GLOBAL POSITIONING SYSTEM.  
 6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER AND A 200KHZ TRANSUDER.  
 7. PROJECT DEPTH: 7 FEET.  
 8. CHANNEL WIDTH IS 60 & 100 FEET.  
 9. HYDROGRAPHIC SURVEY WAS PERFORMED ON 20, 21, & 26 OCTOBER 2020.  
 10. RTK TIDES WERE APPLIED TO THE HYDROGRAPHIC SURVEY.  
 11. SHORELINE MAPPING IS DISPLAYED AS A GENERAL REFERENCE SINCE IT WAS COMPILED IN ACCORDANCE WITH THE NATIONAL MAP ACCURACY STANDARDS FOR 1:24000 SCALE MAPPING.

AREA TO BE DREDGED TO 7 FEET M.L.L.W. WITH A 1 FOOT ALLOWABLE OVERDEPTH TO 8 FEET M.L.L.W.

CHESAPEAKE BAY

FISHING CREEK

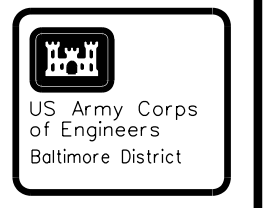
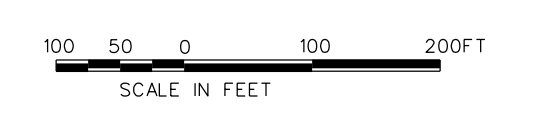


DREDGE AREA COORDINATES

POINT	NORTHING	EASTING
A1	1448860.08	373874.34
A2	1446028.32	373552.43
A3	1445834.11	373490.10
A4	1445234.87	373421.98
A5	1445209.57	373455.77
A6	1445309.78	373759.68
A7	1445195.81	373797.26
A8	1445045.0	373540.01
A9	1448871.37	373774.98

STATION 1+000

STATION 0+000



DATE	REVISION	DESCRIPTION

Prepared by: J. P. [Name]	Checked by: [Name]	Date: MARCH '22
Reviewed by: [Name]	Approved by: [Name]	Project No.: 134P
Drawn by: [Name]	Scale: AS SHOWN	Sheet No.: V-102

U.S. ARMY CORPS OF ENGINEERS  
 BALTIMORE DISTRICT

CALVERT COUNTY  
 MARYLAND

MAINTENANCE DREDGING  
 FISHING CREEK  
 STATION 0+000 TO 1+900

Sheet reference number:  
**V-102**  
 Sheet 2 of

FISHING CREEK CHANNEL COORDINATES

LEFT SIDE	CENTERLINE	RIGHT SIDE
1448871.37 373774.98	0+00.00 1448867.98 373804.79	1448860.08 373874.34
1445045.05 373340.01	3+400.10 1445089.64 373420.74	1446028.52 373552.43
1445195.81 373787.26	3+793.10 1445098.15 373376.35	1446934.11 373490.10
	4+223.11 1445233.80 373784.73	1445234.87 373421.98
		1445209.57 373455.77
		1445309.78 373759.68

DREDGE AREA COORDINATES

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A7	1445195.81	373787.26
A8	1445045.0	373340.01
A9	1448871.37	373774.98

**TIDAL BENCH MARK**

TIDAL BENCH MARK IS BENCH MARK 60FC05. BENCH MARK IS A STANDARD DISK STAMPED "60-FC-05 2010". FROM 1-97 TAKE THE EXIT TOWARDS US-50 EXUS-201M. BEAR RIGHT AT MD-665 E. SLIGHT RIGHT TOWARD MD-2. TAKE FIRST RIGHT ONTO MD-2 S/SOLOMONS ISLAND RD. TAKE 3RD EXIT AT TRAFFIC CIRCLE TO STAY ON MD-2. TURN LEFT AT MD-269 E/CHESAPEAKE BEACH RD. TURN RIGHT AT MD-269/STATSBIDE RD. TURN LEFT AT MEARS AVE. MONUMENT IS 15.5' NE OF TRAFFIC LIGHT. 27.9' SE OF 1ST BOLT ON GUARD RAIL. 34.69' SSE OF POWER POLE. 19.3' SSW OF SW CORNER OF POWER UNIT WHITE BRICK FENCE. 25.5' W OF NW CORNER OF LARGE DISPLAY SIGN.

BENCH MARK ELEV. IS 10.87' ABOVE MLW FOR THE '83-'01 TIDAL EPOCH. COMPUTED USING GEGID18.

VERTICAL DATUM

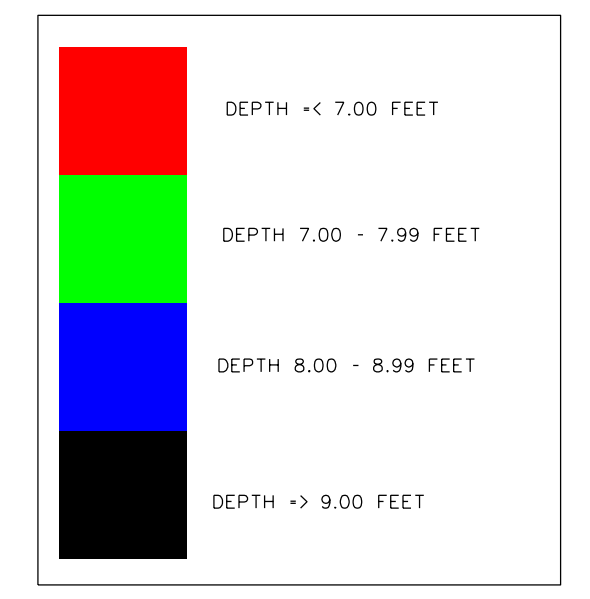
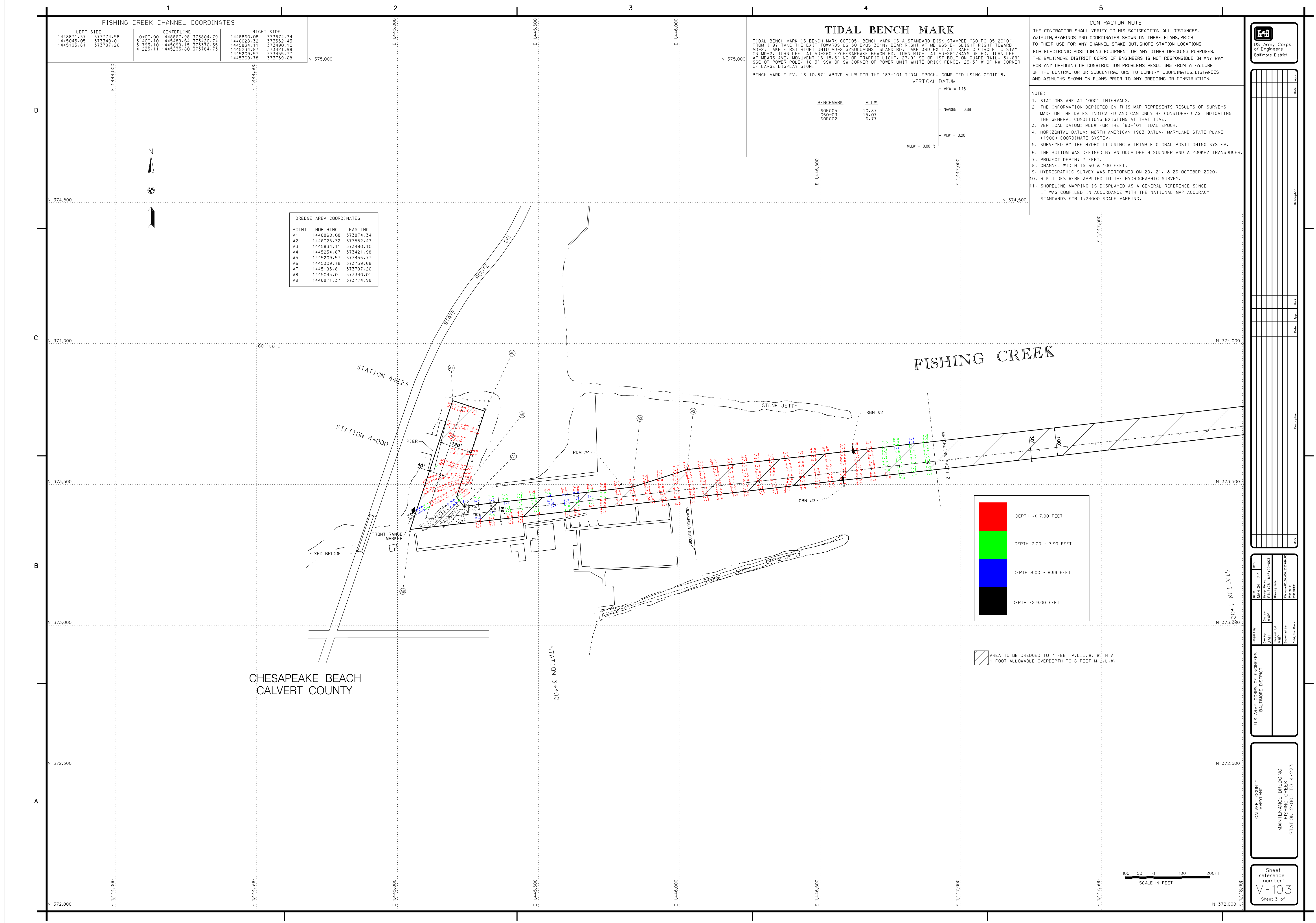
BENCHMARK	MLW	MHW = 1.18
60FC05	10.87'	NAVORS = 0.88
060-03	15.07'	MLW = 0.20
60FC02	6.71'	MLW = 0.00 FT

**CONTRACTOR NOTE**

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**NOTE:**

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- THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER AND A 200KHZ TRANSDUCER.
- PROJECT DEPTH: 7 FEET.
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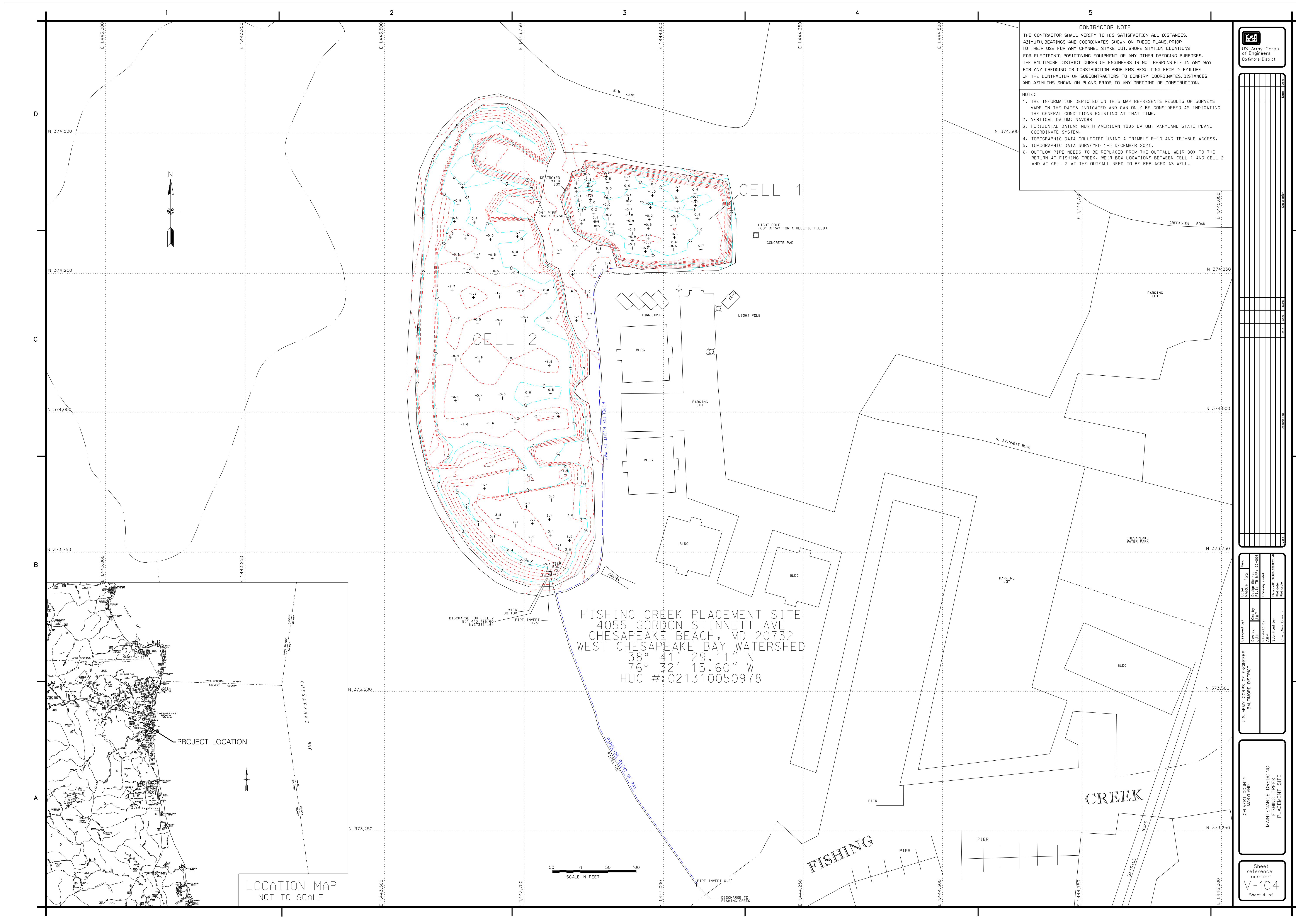
DATE	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS  
BALTIMORE DISTRICT

Checked by: [ ]  
Reviewed by: [ ]  
Drawn by: [ ]  
Project No.: [ ]

CALVERT COUNTY, MARYLAND  
MAINTENANCE (DREDGING)  
FISHING CREEK  
STATION 2+000 TO 4+223

Sheet reference number:  
**V-103**  
Sheet 3 of

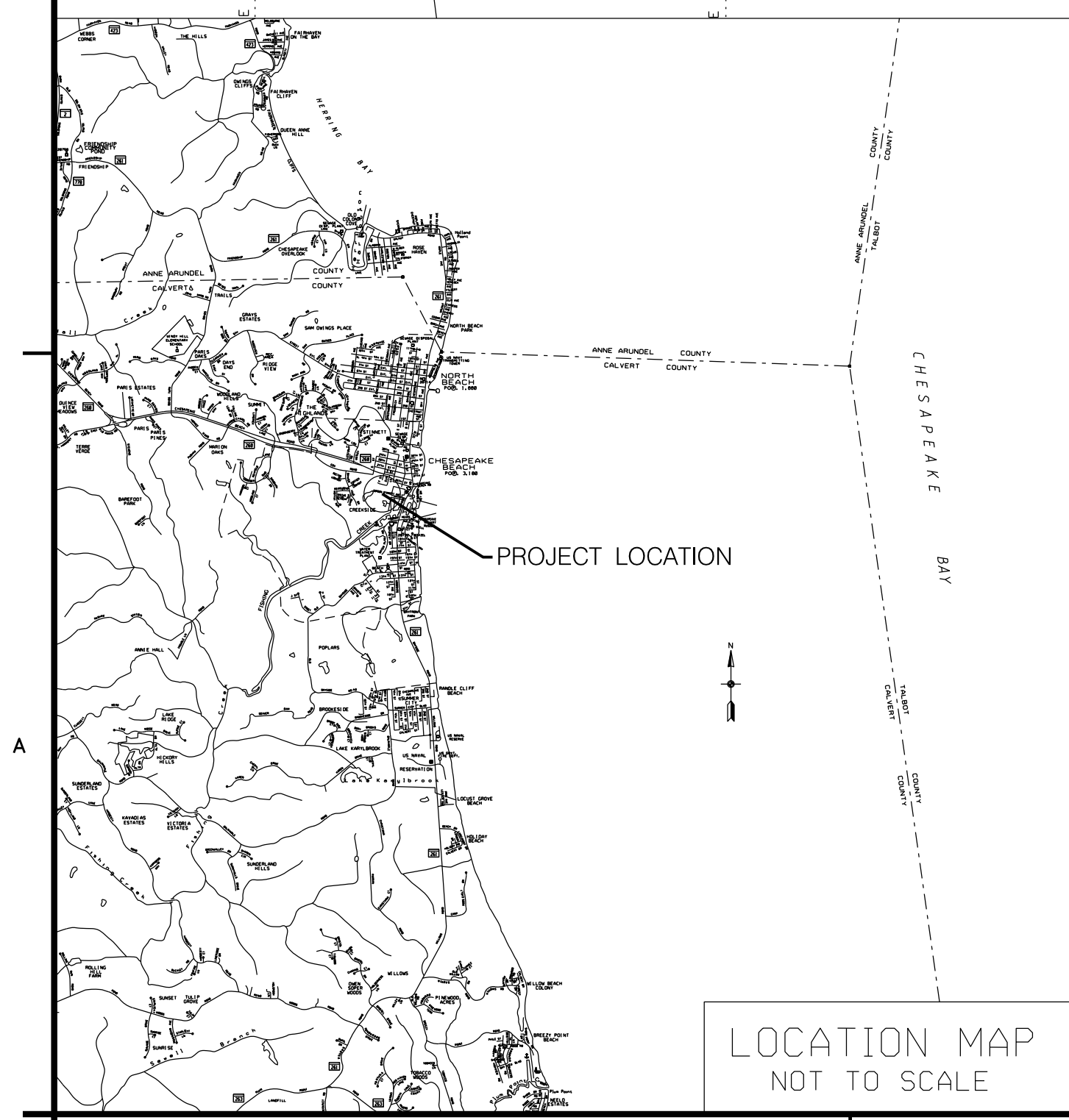


**CONTRACTOR NOTE**  
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**NOTE:**

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2. VERTICAL DATUM: NAVD83
3. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
4. TOPOGRAPHIC DATA COLLECTED USING A TRIMBLE R-10 AND TRIMBLE ACCESS.
5. TOPOGRAPHIC DATA SURVEYED 1-3 DECEMBER 2021.
6. OUTFLOW PIPE NEEDS TO BE REPLACED FROM THE OUTFALL WEIR BOX TO THE RETURN AT FISHING CREEK. WEIR BOX LOCATIONS BETWEEN CELL 1 AND CELL 2 AND AT CELL 2 AT THE OUTFALL NEED TO BE REPLACED AS WELL.

FISHING CREEK PLACEMENT SITE  
4055 GORDON STINNETT AVE  
CHESAPEAKE BEACH, MD 20732  
WEST CHESAPEAKE BAY WATERSHED  
38° 41' 29.11" N  
76° 32' 15.60" W  
HUC #: 021310050978



NO.	REVISION	DATE

U.S. ARMY CORPS OF ENGINEERS  
BALTIMORE DISTRICT

Prepared by: JAB  
Checked by: JAB  
Reviewed by: JAB  
Submitted by: JAB  
Date: MARCH '22  
Sheet #: 1 of 1  
Drawing code: V-104  
Project number: 03060202000004  
Plan code:  

CALVERT COUNTY  
MARYLAND  
MAINTENANCE DREDGING  
FISHING CREEK  
PLACEMENT SITE

Sheet reference number: V-104  
Sheet 4 of

SEQUENCE OF CONSTRUCTION

1. NOTIFY THE MDE INSPECTOR AT (410) 537-3510 AT LEAST SEVEN (7) DAYS PRIOR TO ANY LAND DISTURBANCE TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING.
2. INSTALL PERIMETER SEDIMENT CONTROLS, IF NEEDED.
3. STABILIZE ANY STOCKPILED MATERIALS.
4. THE CONTRACTOR IS REQUIRED TO STABILIZE ANY REMAINING DISTURBED AREAS UPON COMPLETION OF THE REMOVAL OF PIPELINES AND CONSTRUCTION EQUIPMENT.

STANDARD STABILIZATION NOTE:

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:

- A) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND
- BI SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

OWNER'S / DEVELOPER'S CERTIFICATION:

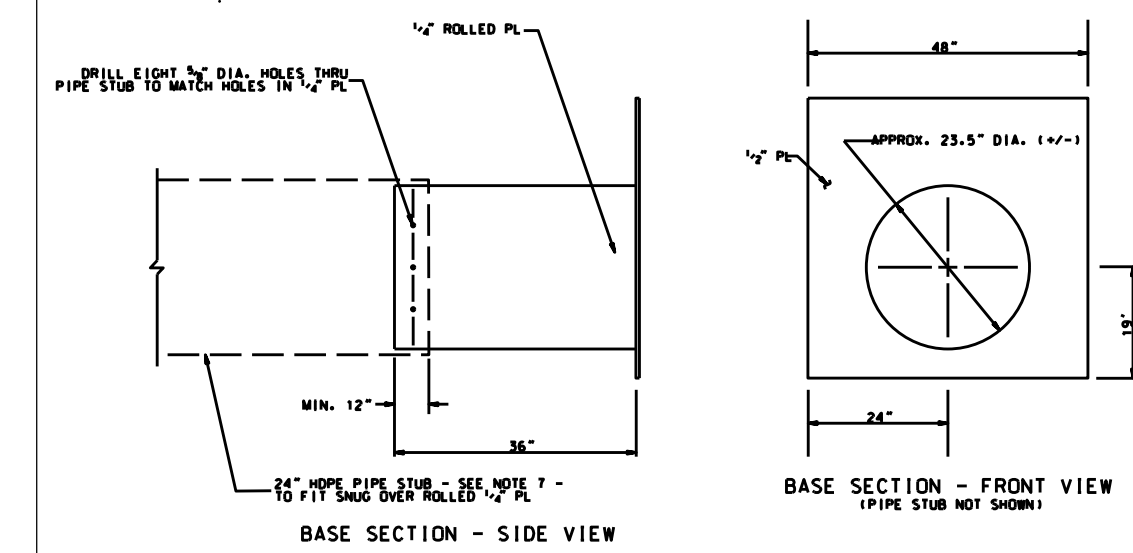
I/WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I/WE HEREBY AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY APPROPRIATE INSPECTION AND ENFORCEMENT AUTHORITY OR THE STATE OF MARYLAND, DEPARTMENT OF THE ENVIRONMENT.

8/22/2018 DATE  
 OWNER/DEVELOPER SIGNATURE  
 DANIELLE SZIMANSKI/PROJECT MANAGER PRINTED NAME AND TITLE  
 CARD No.

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II INCLUDING SUPPLEMENTS, THE ENVIRONMENT ARTICLE SECTIONS 4-101 THROUGH 116 AND SECTIONS 4-201 AND 215, AND THE CODE OF MARYLAND REGULATIONS (COMAR) 26.17.01 AND COMAR 26.17.02 FOR EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT, RESPECTFULLY.

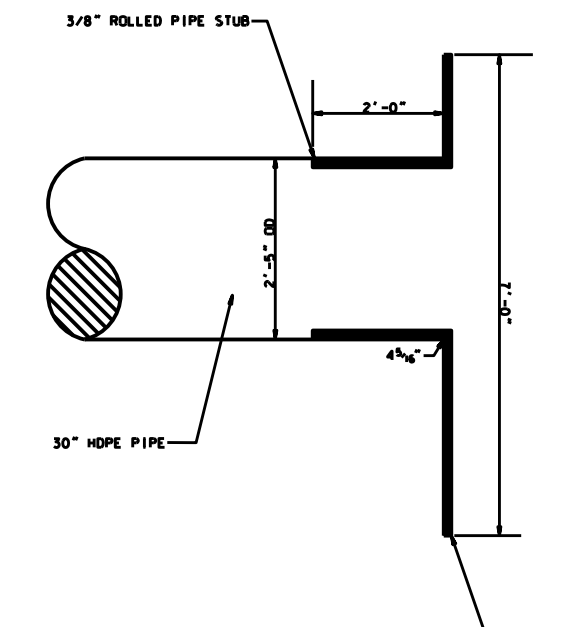
8/12/2014 DATE  
 DESIGNER'S SIGNATURE  
 KEVIN BRENNAN PRINTED NAME  
 MD. REGISTRATION NO. \_\_\_\_\_  
 P.E., R.L.S., R.L.A. OR R.A. (CIRCLE ONE)



WEIR BOX PIPE STUB DETAILS

CONSTRUCTION NOTES:

- 1) UNLESS OTHERWISE SHOWN, ALL MATERIAL IS TO BE CARBON STEEL CONFORMING TO ASTM A36.
- 2) UNLESS OTHERWISE SHOWN ALL CONSTRUCTION IS TO BE WELDED. ALL WELDS ARE TO BE CONTINUOUS. VISUALLY INSPECT FOR CRACKS AND PINHOLES. NO CRACKS OR PINHOLES ARE ALLOWED.
- 3) SEQUENCE WELDING WHERE APPLICABLE TO MINIMIZE DISTORTION.
- 4) BREAK ANY SHARP CORNERS, REMOVE ALL WELD FLUX, SLAG, AND SPATTER, REMOVE ALL BURRS.
- 5) ENSURE THAT ALL CONTACTING OR OVERLAPPING JOINT SURFACES ARE CLEAN AND FREE OF ALL RESIDUAL OIL AND GREASE PRIOR TO WELDING. COMPLETELY SEAL ALL JOINTS BY WELDING.
- 6) AFTER FABRICATION, BLAST - CLEAN AND PAINT THE SECTIONS WITH TWO COATS OF A COAL TAR EPOXY - POLYAMIDE PAINT IN ACCORDANCE WITH THE SPECS.
- 7) PIPE TO BE 24" DIA. HDPE, ATTACHED BY BOLTING, USING EIGHT (8) 1/2" - 13UNC - 24 X 2" LONG BOLTS, NUTS, AND WASHERS (GALV.). PIPE STUB TO BE ATTACHED AT PLACE OF FABRICATION.
- 8) SHOP DRAWINGS OF BOX DESIGN MUST BE SUBMITTED AND APPROVED BEFORE CONSTRUCTION.



OVERHEAD CROSS SECTION

NOTE: PROVIDE HOLES IN ROLLED PIPE STUB TO SECURE PIPE FOLLOWING INSTALLATION IN FIELD.

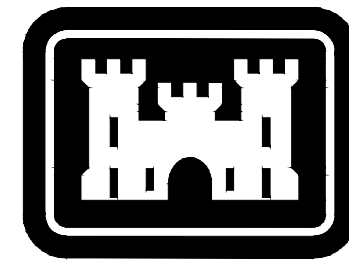


NO.	DESCRIPTION	DATE	BY	CHKD.

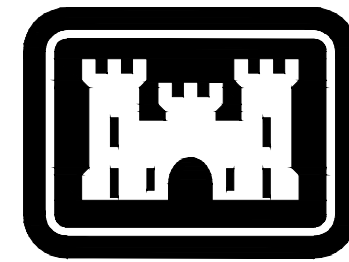
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	DATE: MARCH 22 TIME: 7:30 AM - 2:00 PM PROJECT NO.: DRAWING NO.: SCALE: BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature]
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CALVERT COUNTY  
 MARYLAND  
 MAINTENANCE BREEDING  
 CONSTRUCTION DETAILS AND NOTES

Sheet reference number:  
**V-105**  
 Sheet 5 of



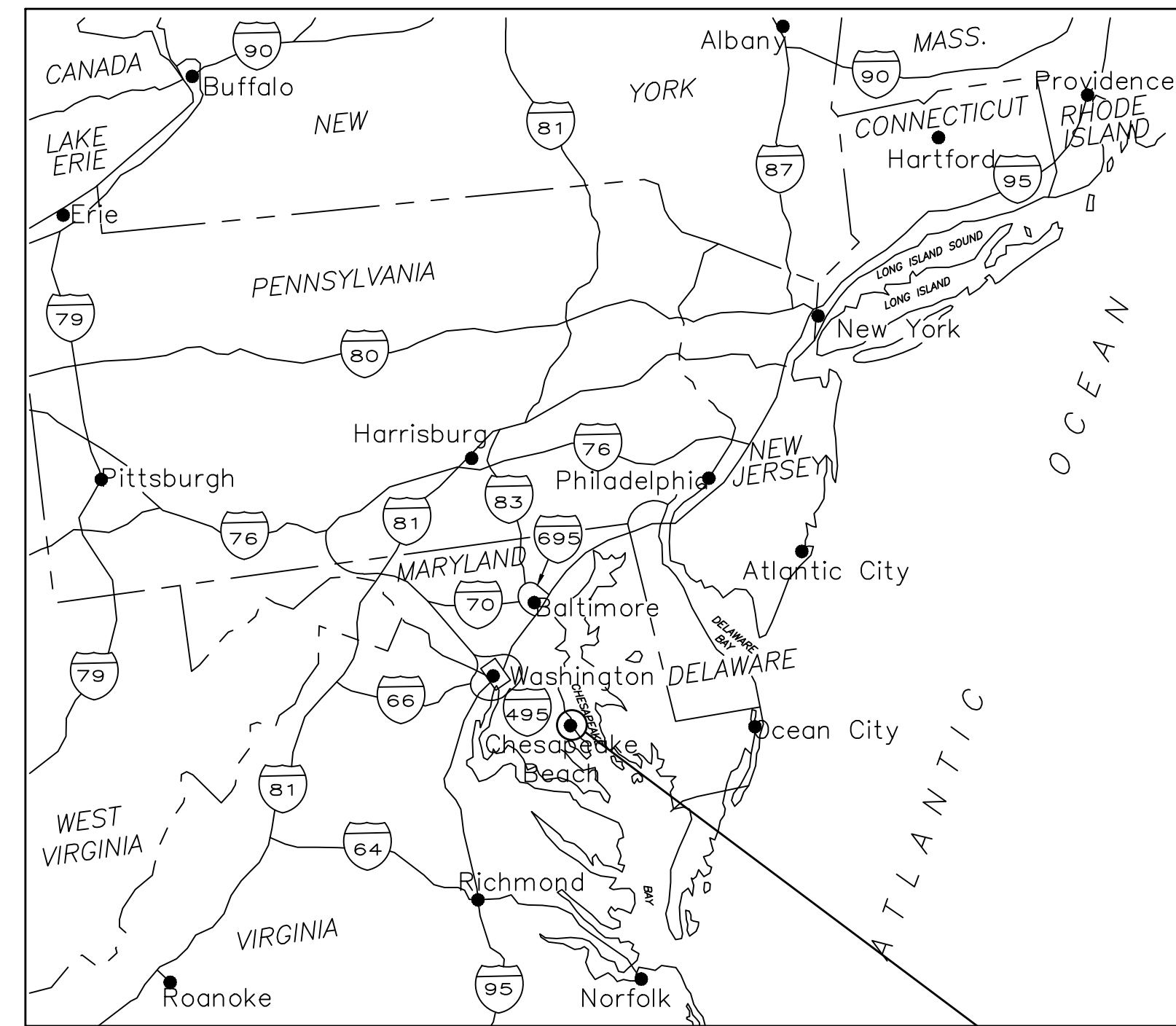
US Army Corps  
of Engineers  
BALTIMORE  
DISTRICT



US Army Corps  
of Engineers  
PHILADELPHIA  
DISTRICT

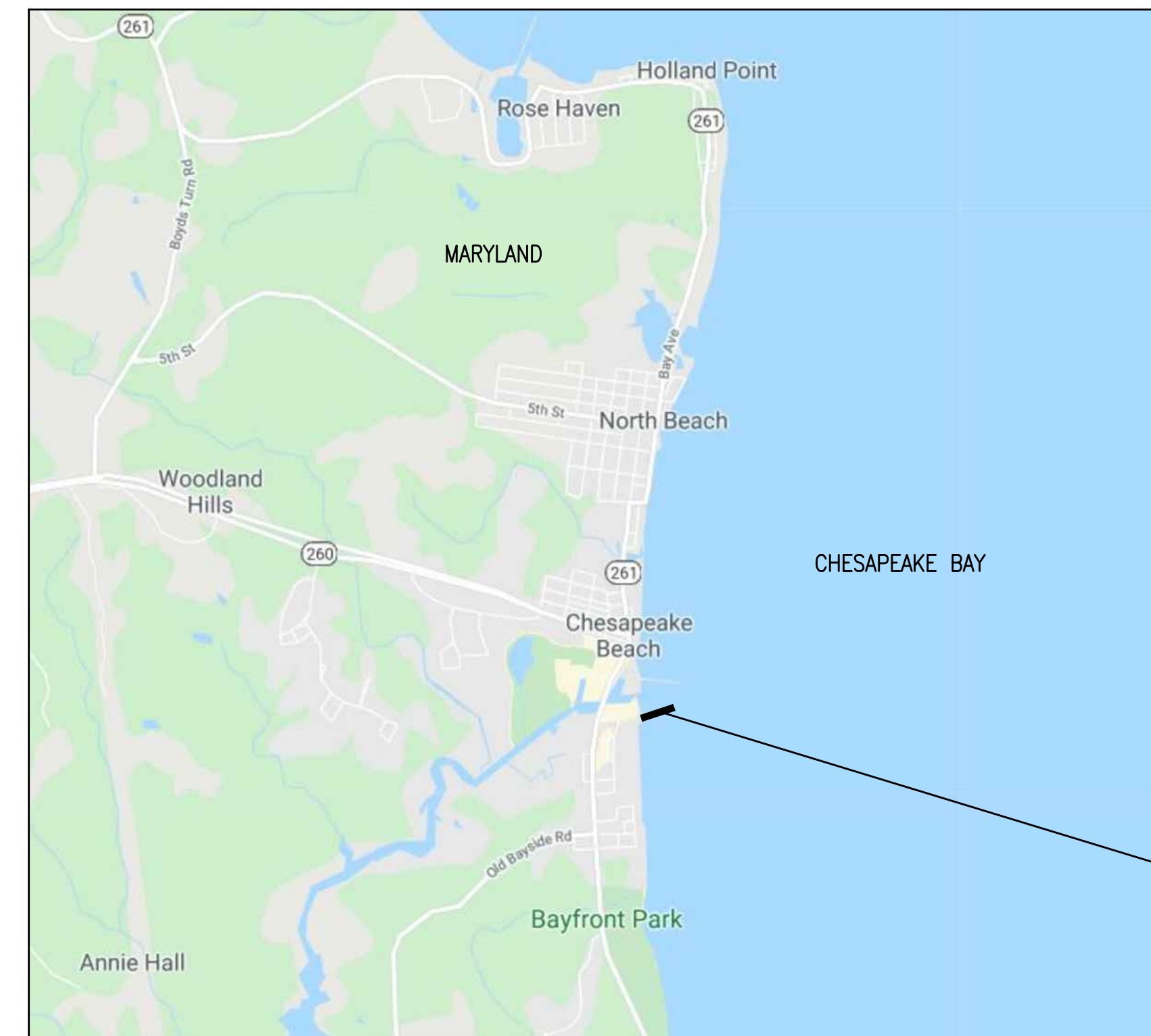
# FISHING CREEK SOUTH JETTY REHABILITATION CALVERT COUNTY CHESAPEAKE BEACH, MARYLAND

DRAWING INDEX	
SHEET NUMBER	DESCRIPTION
G-001	COVER SHEET
C-001	GENERAL INFORMATION SHEET
C-101	GENERAL PLAN
C-102	PLAN - SOUTH JETTY EXISTING CONDITIONS
C-103	PLAN - JETTY REPAIR AREA
C-201	PROFILE - JETTY REPAIR AREA
C-301	TYPICAL SECTIONS
C-302	CROSS SECTIONS - STA. 0+25 TO 2+00
C-303	CROSS SECTIONS - STA. 2+25 TO STA. 4+00
C-304	CROSS SECTIONS - STA. 4+25 TO 6+00
C-305	CROSS SECTIONS - STA. 6+25 TO STA. 8+00
C-306	CROSS SECTIONS - STA. 8+25 TO 10+00
C-307	CROSS SECTIONS - STA. 10+25 TO STA. 12+00
C-308	CROSS SECTIONS - STA. 12+25 TO STA. 13+50
C-401	PLAN - CONFINED DISPOSAL FACILITY
C-501	DETAILS - GROUTING



**VICINITY MAP**  
N.T.S.

**LOCATION OF PROJECT**



**LOCATION MAP**  
N.T.S.

**LOCATION OF WORK**

SOLICITATION NO:-  
CONTRACT NO:-  
ISSUE/SUBMITTAL DATE:26 MARCH 2021

THIS PROJECT WAS DESIGNED BY THE PHILADELPHIA DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 11110-1-8152.

SUBMITTED:  
ANDREW J. SCHWAIGER, P.E.  
CHIEF, ENGINEERING BRANCH

APPROVED:  
PETER M. TRANCHIK, P.E.  
CHIEF, ENGINEERING AND CONSTRUCTION DIVISION

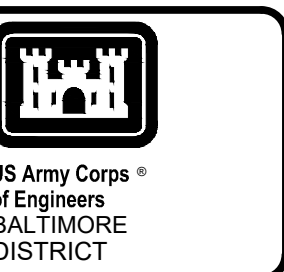
MARK ACTION	DESCRIPTION	DATE	BY

ISSUE/SUBMITTAL DATE: 26 MARCH 2021	REGISTRATION NUMBER: 	CONTRACT NUMBER: 	FILE NAME: 
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT		

CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
FISHING CREEK  
SOUTH JETTY REHABILITATION  
COVER SHEET

SHEET NUMBER  
**G-001**





US Army Corps of Engineers  
BALTIMORE DISTRICT

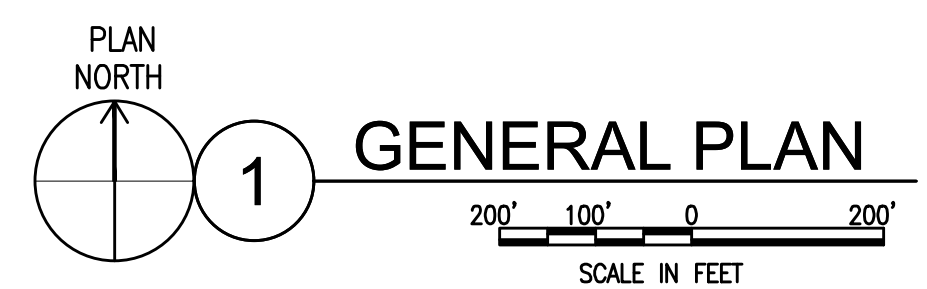
MARK	ACTION	DESCRIPTION	DATE	BY

ISSUE/REVISION DATE: 28 MARCH 2021	REVISION NUMBER: 
DRAWN BY: SW/	DESIGNED BY: TEH
CHECKED BY: DAN	CONTRACT NUMBER: 
PROJECT NAME: SEE SHEET C-101	FILE NAME: GENERAL PLAN
DWG. SIZE: 	
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT

FISHING CREEK  
SOUTH JETTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
GENERAL PLAN

SHEET NUMBER

C-101



### GENERAL PLAN

POINT ID	EASTING	NORTHING
A	1446767.29	373535.79
B	1446732.42	373333.09
C	1446674.97	373267.43
D	1445744.54	372976.04
E	1445765.46	372909.24
F	1446785.49	373228.69
G	1446827.47	373472.69
H	1446895.42	373550.36

POINT ID	EASTING	NORTHING
1	1446712.04	373529.51
2	1446691.23	373408.55
3	1445788.10	373125.70
4	1445797.47	373095.77
5	1445714.72	373069.86
6	1445720.20	372970.11
7	1445766.41	372822.56
8	1446871.86	373168.77
9	1446938.35	373555.24

### NOTES:

- SEE SHEET C-001 FOR GENERAL INFORMATION.
- CONTRACTOR SHALL ONLY ACCESS THE SITE FROM WATER. CONTRACTOR SHALL MAINTAIN A MINIMUM 15' BUFFER BETWEEN THE CHESAPEAKE BEACH RESORT & SPA BUILDING AND THE START OF THE JETTY REPAIR.
- SEE SHEETS C-301 THROUGH C-308 FOR TYPICAL SECTIONS AND CROSS SECTIONS.
- AERIALS WERE TAKEN ON FEBRUARY 24, 2014 AND WERE OBTAINED FROM USGS. AERIALS CAN ONLY BE CONSIDERED REPRESENTATIVE OF CONDITIONS AT THAT TIME.





US Army Corps of Engineers  
BALTIMORE DISTRICT

DATE	BY	DESCRIPTION

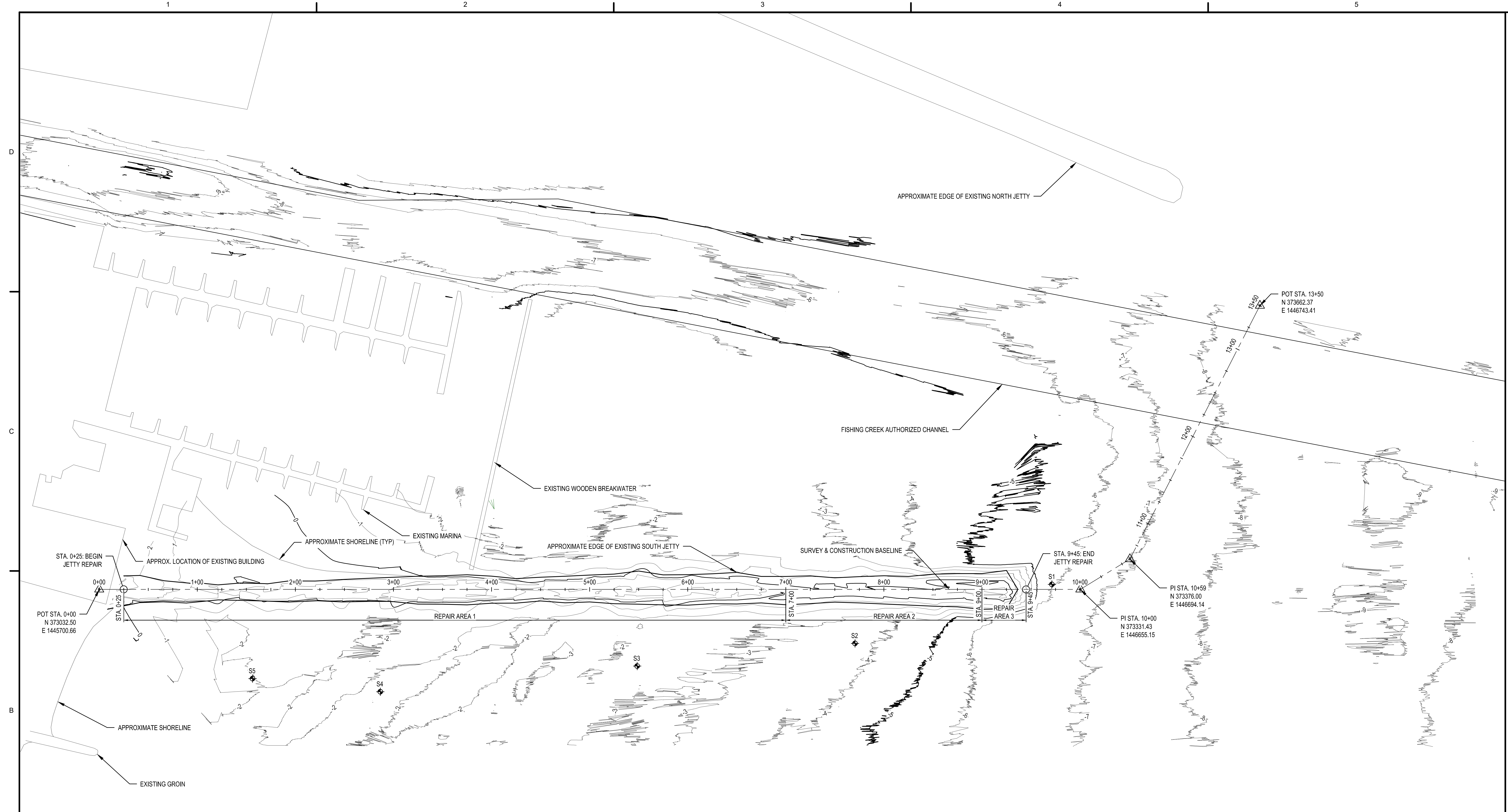
ISSUBMITTAL DATE	28 MARCH 2012
DESIGNED BY	
CHECKED BY	
CONTRACT NUMBER	
PROJECT NAME	FISHING CREEK SOUTH JETTY EXISTING CONDITIONS
DWG. SIZE	11x17

U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT
--	---

FISHING CREEK  
SOUTH JETTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
PLAN - SOUTH JETTY EXISTING CONDITIONS

SHEET NUMBER

C-102

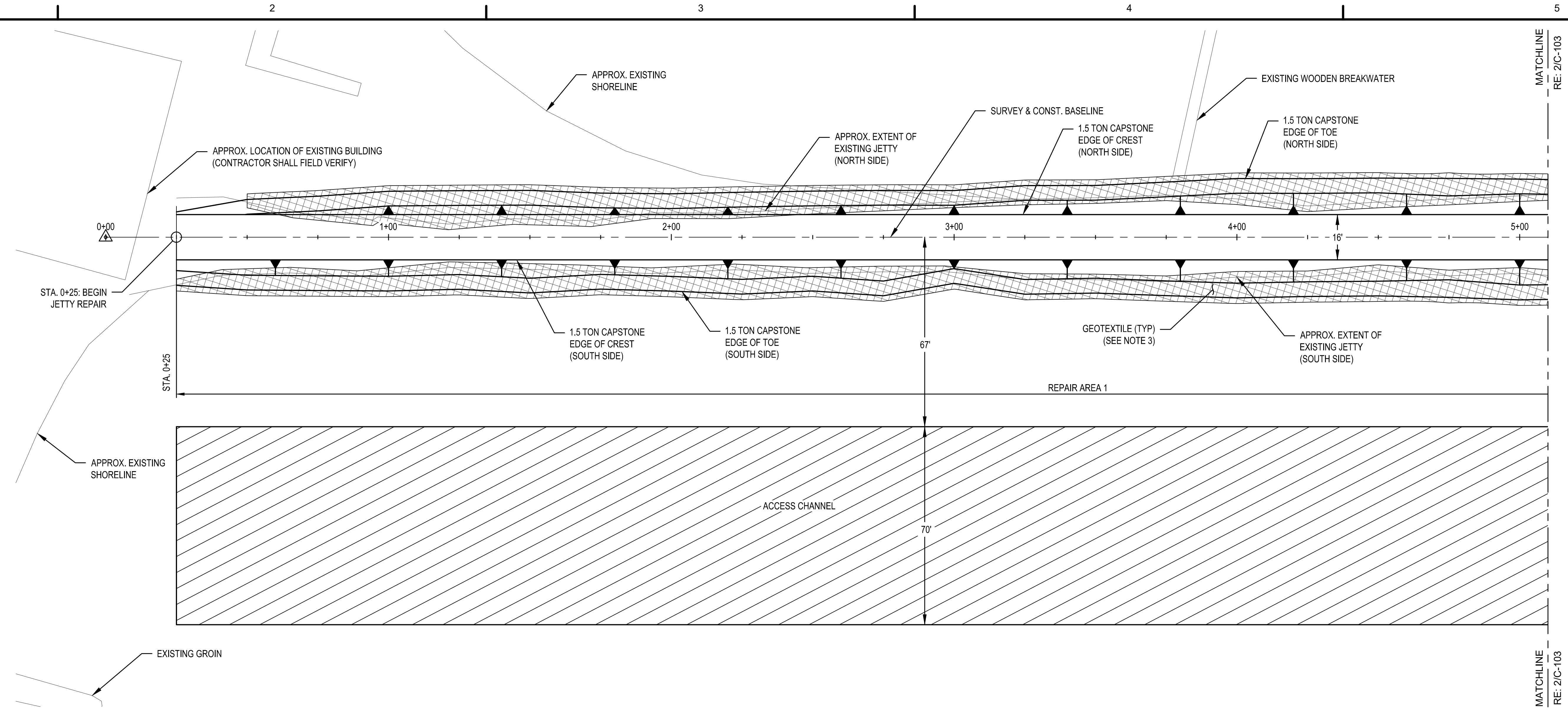


PLAN NORTH  
**1**  
**EXISTING CONDITIONS**  
SCALE IN FEET

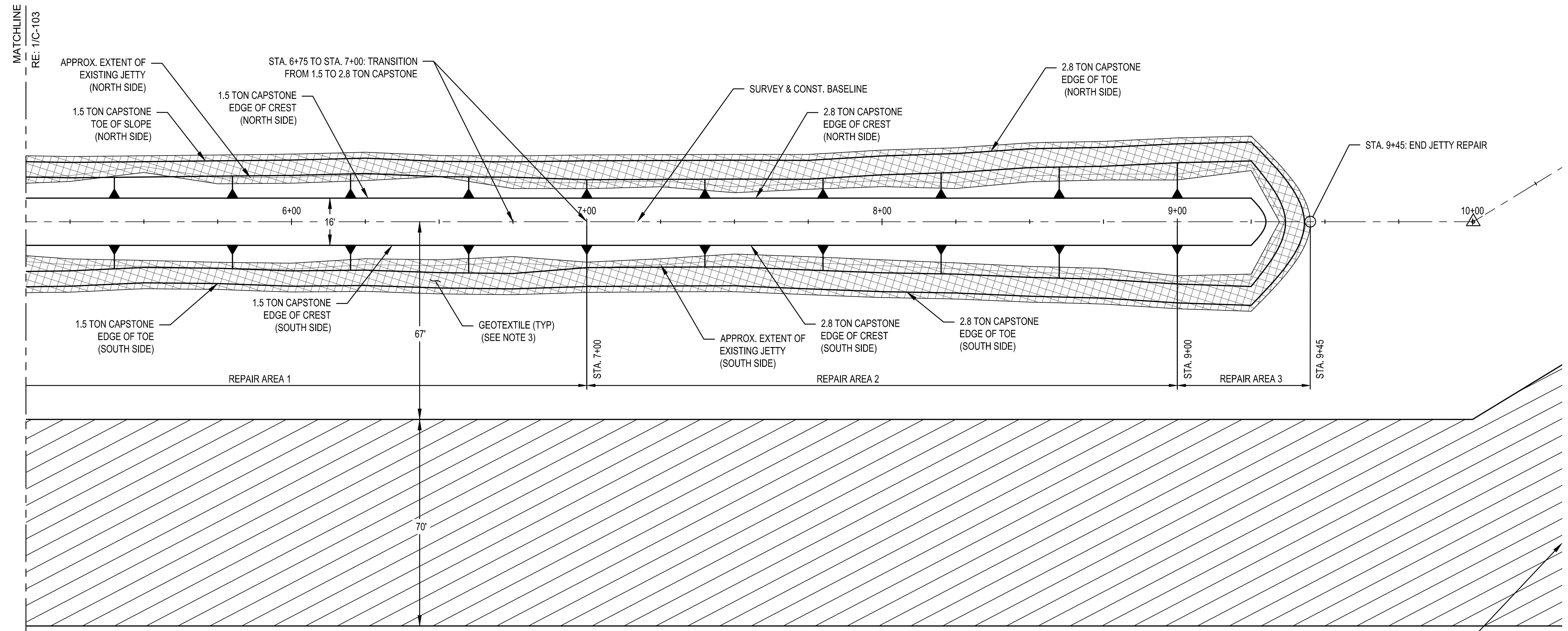
- NOTES:**
- SEE SHEET C-001 FOR GENERAL INFORMATION.
  - EXISTING FEATURES WERE APPROXIMATED FROM FEBRUARY 24, 2014 USGS AERIAL. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF EXISTING FEATURES.



US Army Corps  
of Engineers  
BALTIMORE  
DISTRICT



PLAN NORTH  
1 PLAN - JETTY REPAIR STA. 0+00 TO STA. 5+10  
SCALE IN FEET  
20' 10' 0' 20'



PLAN NORTH  
2 PLAN - JETTY REPAIR STA. 5+10 TO STA. 10+36  
SCALE IN FEET  
20' 10' 0' 20'

SEE SHEET C-101 FOR REMAINDER OF ACCESS CHANNEL EXTENTS

- NOTES:
1. SEE SHEET C-001 FOR GENERAL INFORMATION.
  2. SEE SHEET C-301 FOR TYPICAL SECTIONS AND SHEETS C-302 THROUGH C-308 FOR CROSS SECTIONS.
  3. SEE SPECIFICATION SECTION 31 05 19 FOR GEOTEXTILE REQUIREMENTS.
  4. TOE OF CAPSTONE AND EXTENTS OF GEOTEXTILE ARE SUBJECT TO CHANGE FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS DUE TO THE DYNAMIC CONDITIONS OF THE SITE.

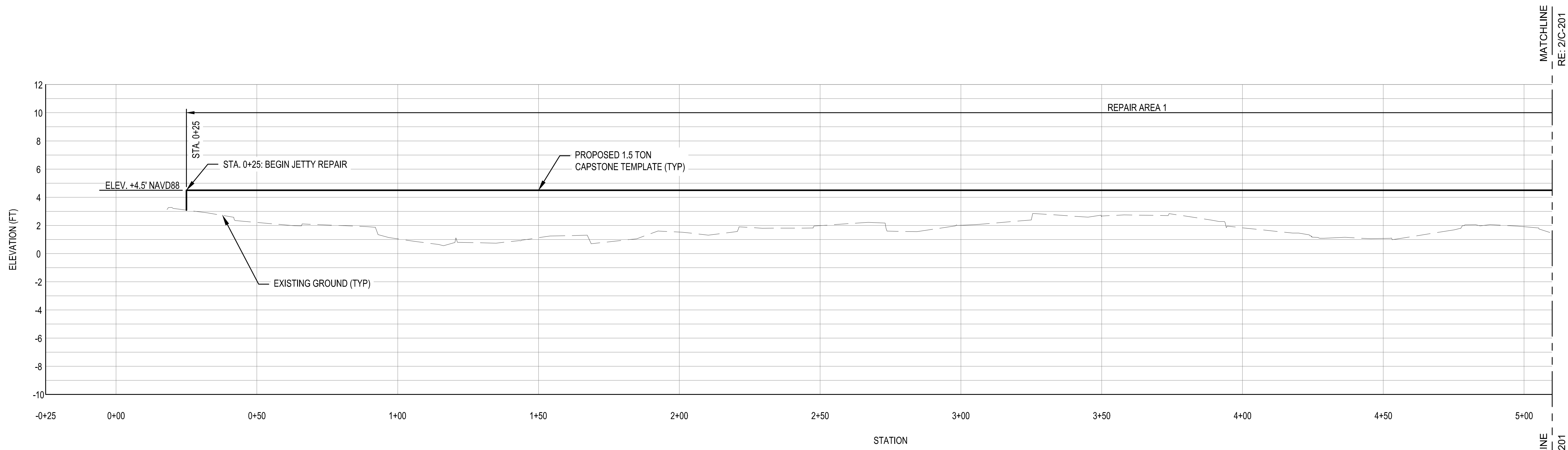
NO.	DATE	BY	DESCRIPTION

ISSUED/REVISED DATE: 20 MARCH 2022	ISSUED/REVISED BY: DAN TEH	LOCATION NUMBER:	CONTRACT NUMBER:
DRAWN BY: S.W. DAN	DESIGNED BY: S.W. DAN	PROJECT SCALE: AS SHOWN	FILE NAME: C-101 JETTY REPAIR AREA 4
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT		

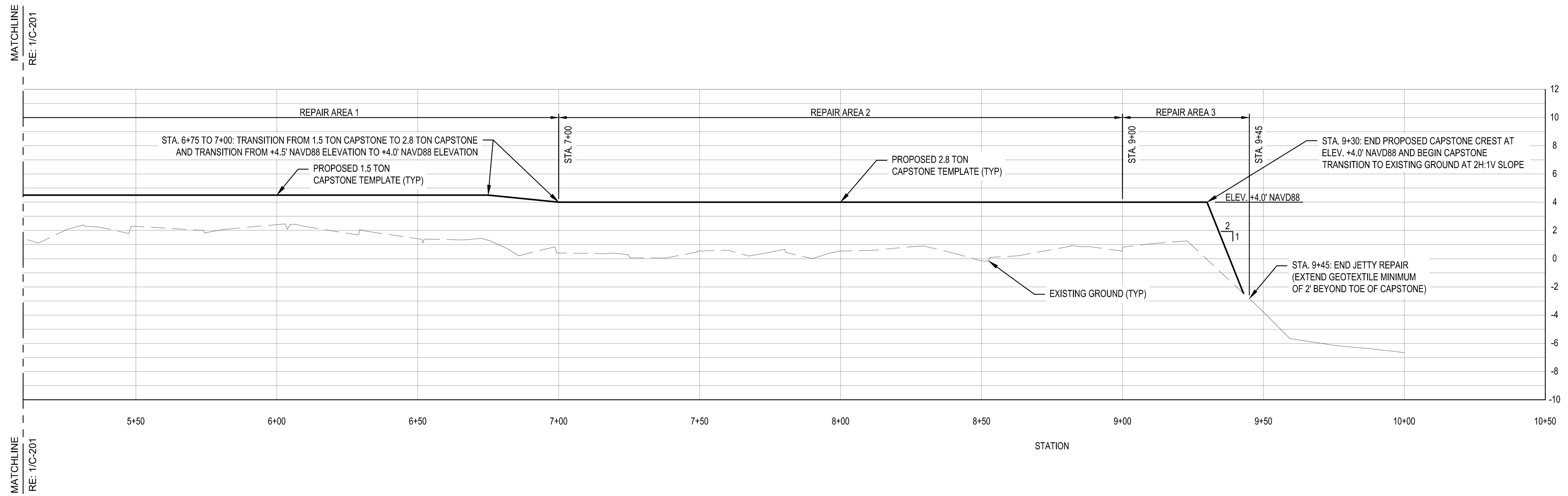
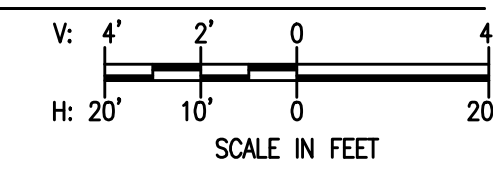
FISHING CREEK  
SOUTH JETTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
PLAN - JETTY REPAIR AREA

SHEET NUMBER  
C-103

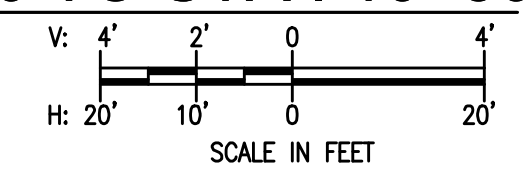
D  
C  
B  
A



1 PROFILE - REPAIR AREA STA. 0+00 TO STA. 5+10



2 PROFILE - REPAIR AREA STA. 5+10 TO STA. 10+50



- NOTES:
1. SEE SHEET C-001 FOR GENERAL INFORMATION
  2. SEE SHEET C-301 FOR TYPICAL SECTIONS.
  3. SEE SHEETS C-302 THROUGH C-308 FOR CROSS SECTIONS.



US Army Corps of Engineers  
BALTIMORE DISTRICT

ISSUES/REVISIONS	DATE	DESCRIPTION

DESIGNED BY	DATE	SCALE
DRAWN BY	DATE	SCALE
CHECKED BY	DATE	SCALE
PROJECT ENGINEER	DATE	SCALE

FISHING CREEK  
SOUTH JETTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
PROFILE - JETTY REPAIR AREA

SHEET NUMBER

C-201

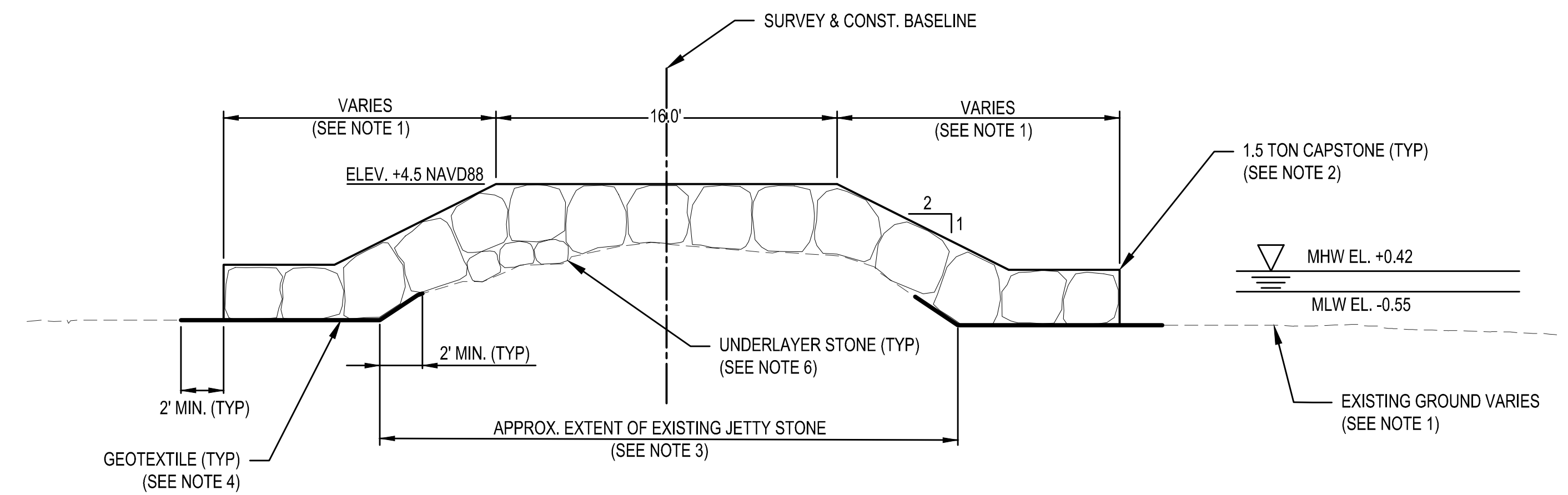


ISSUED/REVISION DATE	28 MARCH 2021
DESIGNED BY	SW
CHECKED BY	TEH
CONTRACT NUMBER	
PROJECT NAME	FISHING CREEK SOUTH JETTY REHABILITATION
DWG. SIZE	A
SCALE	AS SHOWN

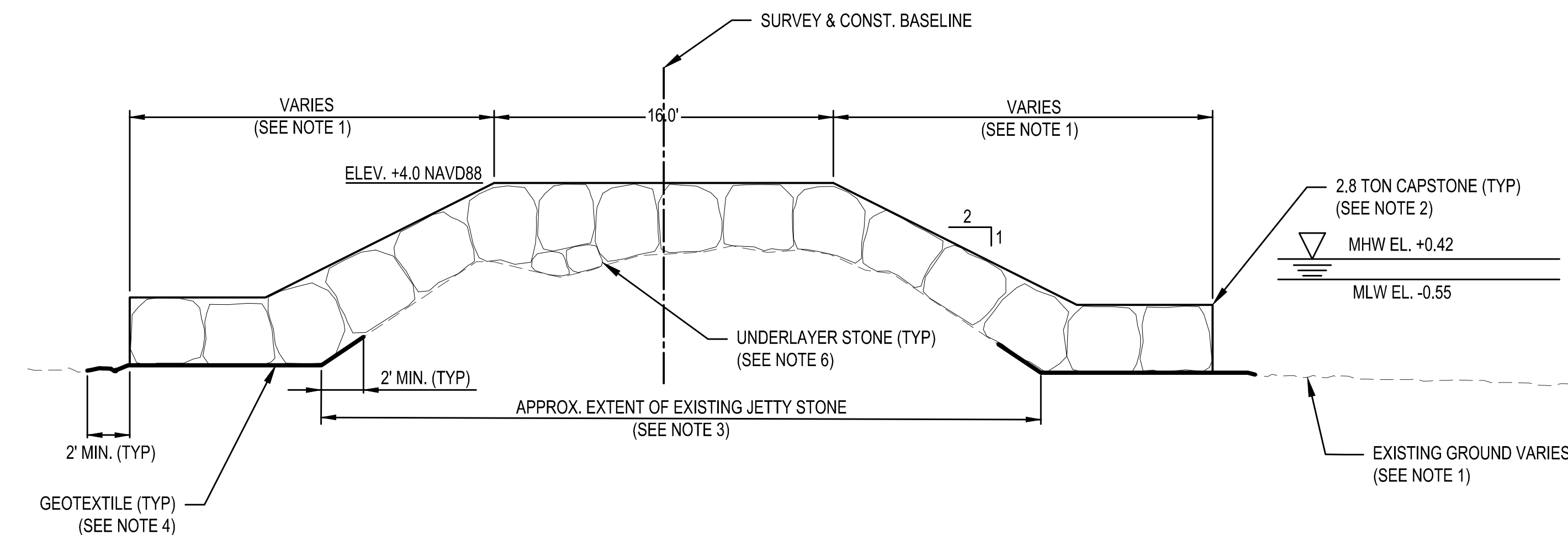
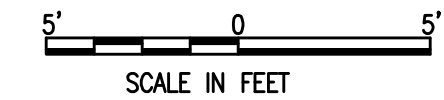
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT
--	---

FISHING CREEK  
SOUTH JETTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
TYPICAL SECTIONS

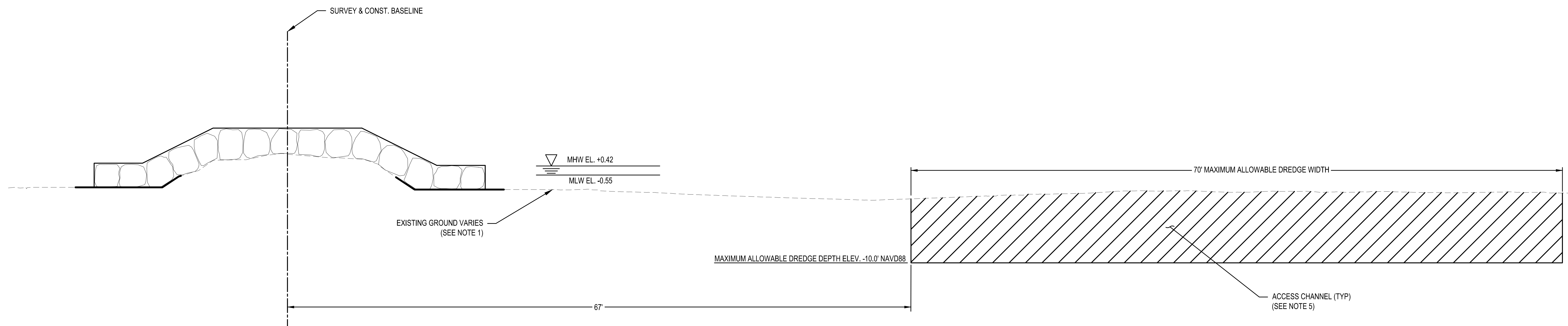
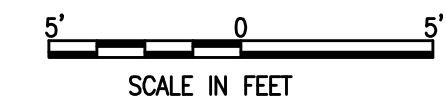
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C-301



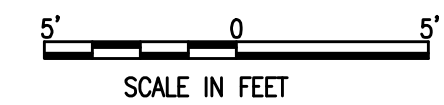
1 TYPICAL SECTION - JETTY REPAIR FOR AREA 1 (STA. 0+25 TO 7+00)



2 TYPICAL SECTION - JETTY REPAIR FOR AREAS 2 & 3 (STA. 7+00 TO 9+30)



3 TYPICAL SECTION - ACCESS CHANNEL (STA. 0+25 TO 10+00)



NOTES:

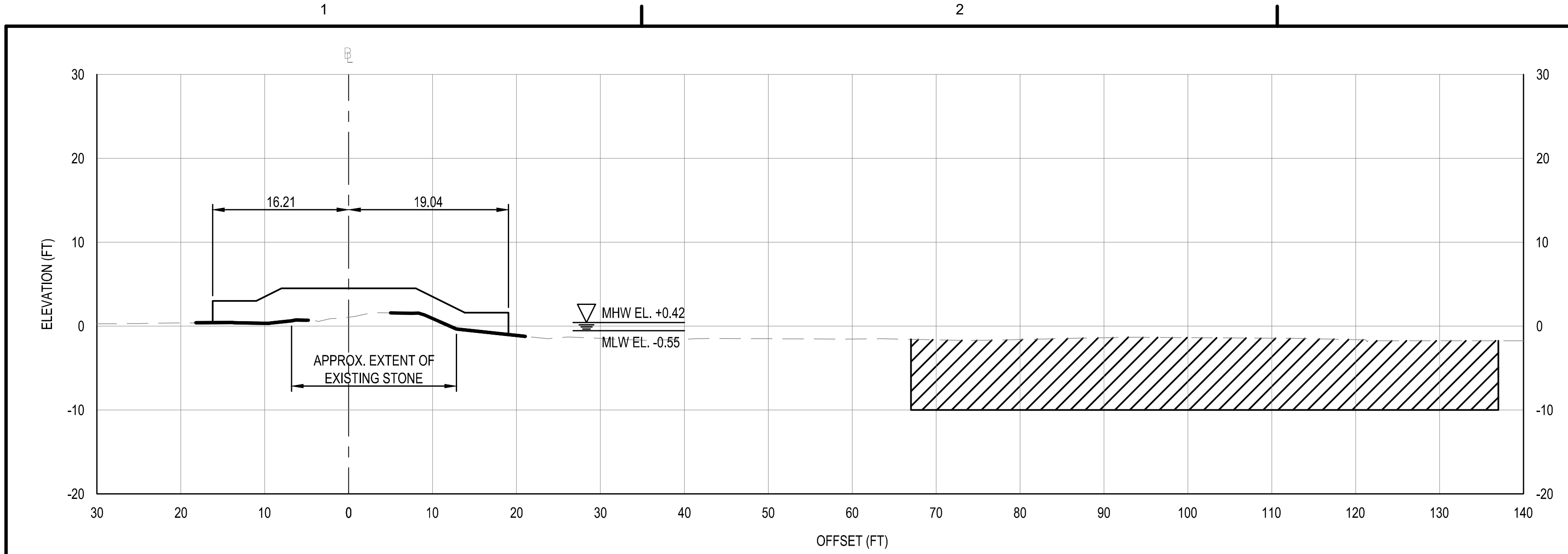
- SEE SHEETS C-302 THROUGH C-308 FOR CROSS SECTIONS.
- CAPSTONE SHALL BE PLACED TO THE TOLERANCES DESCRIBED IN SPECIFICATION SECTION 31 37 00. INDIVIDUAL CAPSTONES SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT REPRESENT ACTUAL CAPSTONE SHAPE/SIZE. MINIMUM OF TWO CAPSTONES SHALL BE PLACED AT THE PROPOSED JETTY TOE. CAPSTONE EXTENTS ARE SUBJECT TO CHANGE FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS. CAPSTONES AND EXISTING JETTY STONES SHALL BE GROUTED AS SHOWN ON SHEET C-501 AND IN ACCORDANCE WITH SPECIFICATION SECTION 31 37 00.
- EXISTING JETTY STONE APPROXIMATED FROM 2020 NAB USACE TOPOGRAPHIC SURVEYS AND ARE ONLY REPRESENTATIVE OF CONDITIONS OCCURRING AT THAT TIME. EXISTING JETTY STONE EXTENTS ARE SUBJECT TO CHANGE FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
- GEOTEXTILE SHALL EXTEND A MINIMUM OF 2' FROM THE TOE OF THE PROPOSED CAPSTONE AND SHALL OVERLAP A MINIMUM OF 2' WITH THE EXISTING JETTY STONE. GEOTEXTILE EXTENTS ARE SUBJECT TO CHANGE FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
- MAXIMUM ALLOWABLE DREDGE DEPTH IS -10.0' NAVD88 FOR THE ENTIRE ACCESS CHANNEL. MAXIMUM ALLOWABLE DREDGE WIDTH IS 70' FROM STA. 0+25 TO STA. 10+00. SEE SHEETS C-101, C-307 AND C-308 FOR ACCESS CHANNEL LOCATION AND WIDTH FROM STA. 10+00 TO THE AUTHORIZED FEDERAL NAVIGATION CHANNEL. CONTRACTOR SHALL ONLY DREDGE AS NEEDED TO ACCESS THE REPAIR AREAS. DREDGING TO THE TEMPLATE SHOWN MAY CAUSE SLOUGHING FAILURE RESULTING IN SIDE SLOPES THAT EXTEND OUTSIDE OF THE TEMPLATE. HOWEVER, AT NO POINT DURING THE CONTRACT SHOULD DREDGING OCCUR OUTSIDE OF THE ACCESS CHANNEL SHOWN.
- INDIVIDUAL UNDERLAYER STONES ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT REPRESENT ACTUAL UNDERLAYER STONE SHAPE/SIZE. PLACE UNDERLAYER STONE AS NECESSARY TO PLACE CAPSTONE TO THE TOLERANCES DESCRIBED IN SPECIFICATION SECTION 31 37 00.



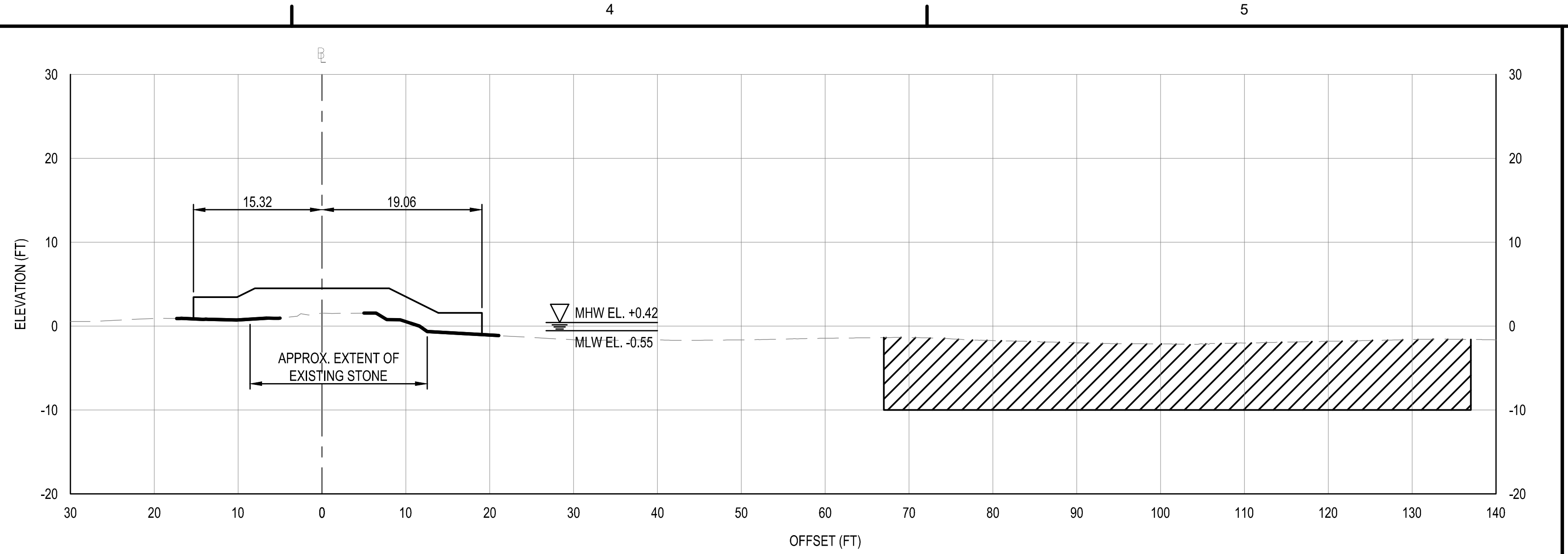
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DRAWN BY	ISSUED FOR
CHECKED BY	REVISION
APPROVED BY	DESCRIPTION
PROJECT NAME	DATE
DWG. SIZE	MARK ACTION
FILE NAME	
PROJECT NUMBER	
CONTRACT NUMBER	
LOCATION NUMBER	
SECTION NUMBER	
CROSS SECTION	

FISHING CREEK  
SOUTH LITTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
CROSS SECTIONS - STA. 0+25 TO 2+00

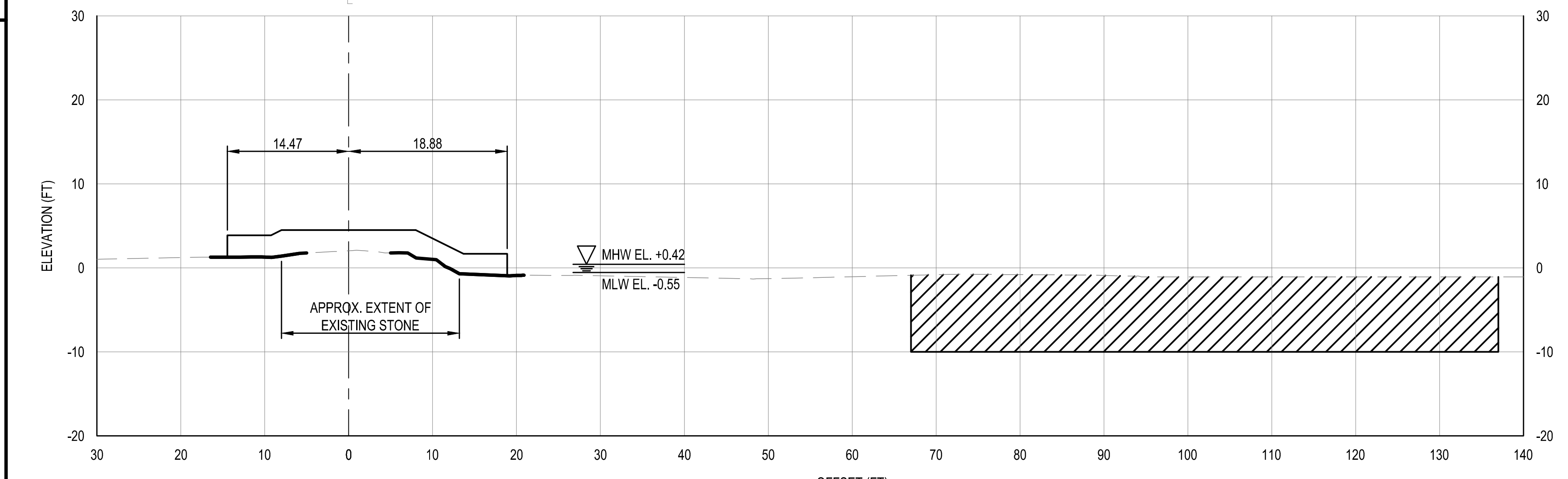
SHEET NUMBER  
**C-302**



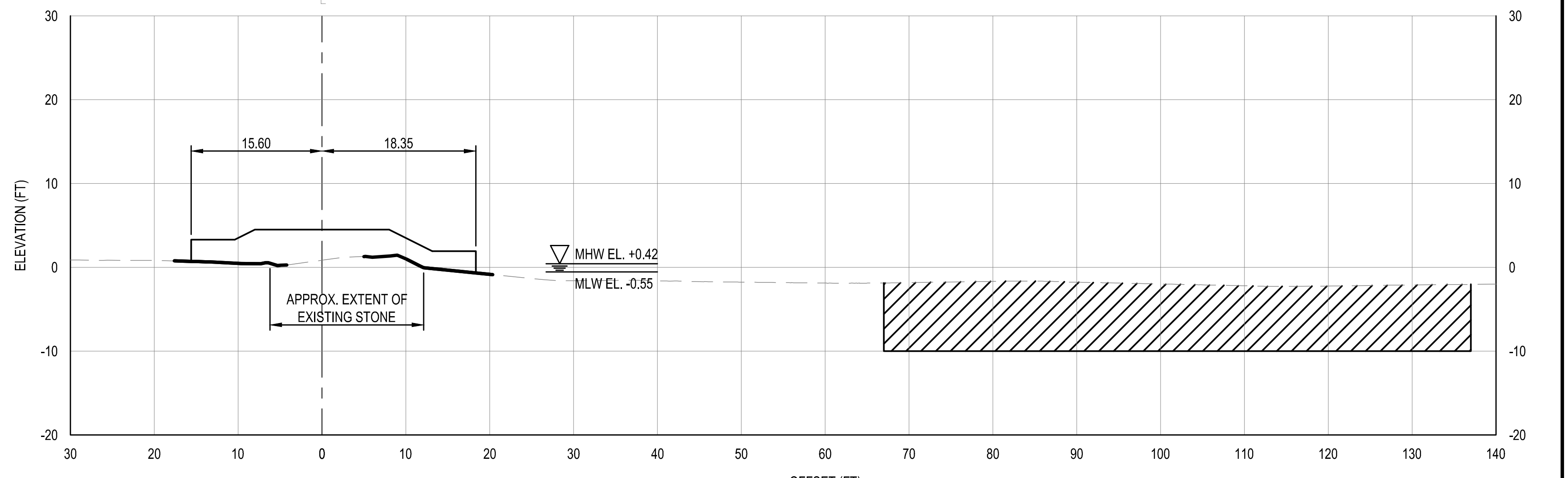
**STA. 1+00**



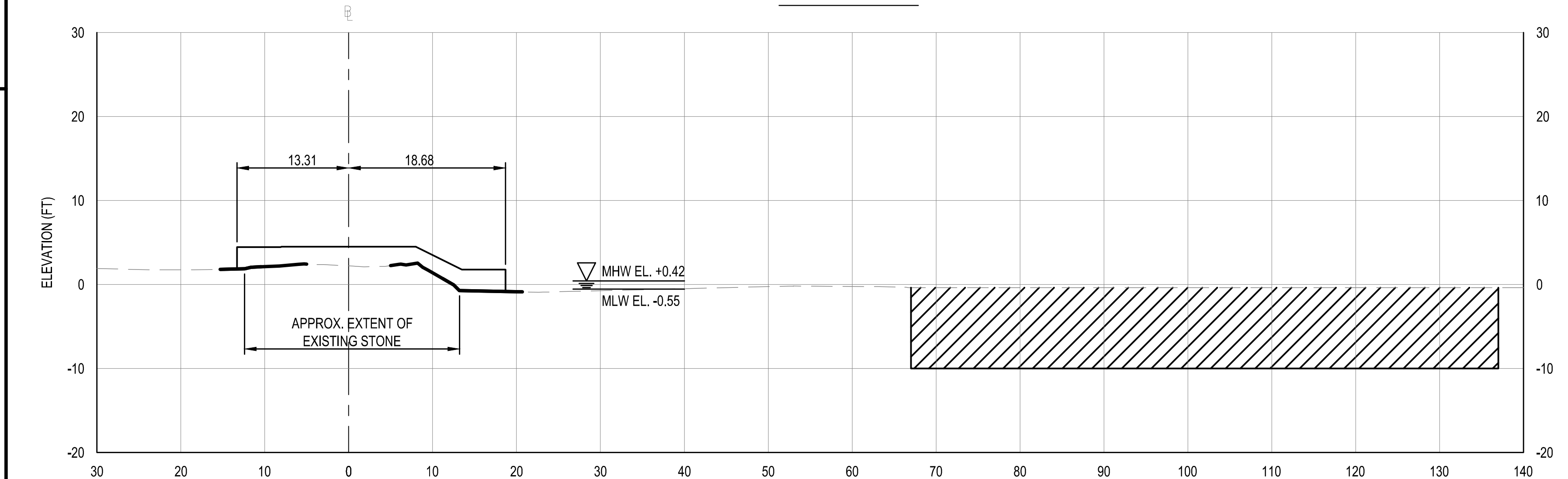
**STA. 2+00**



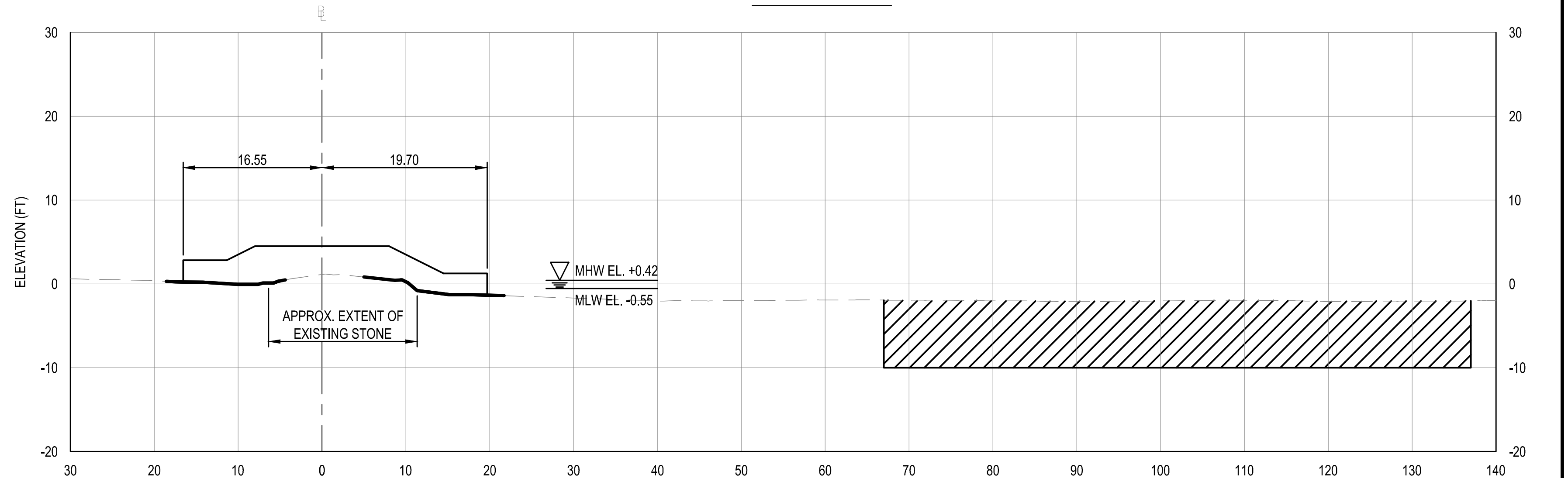
**STA. 0+75**



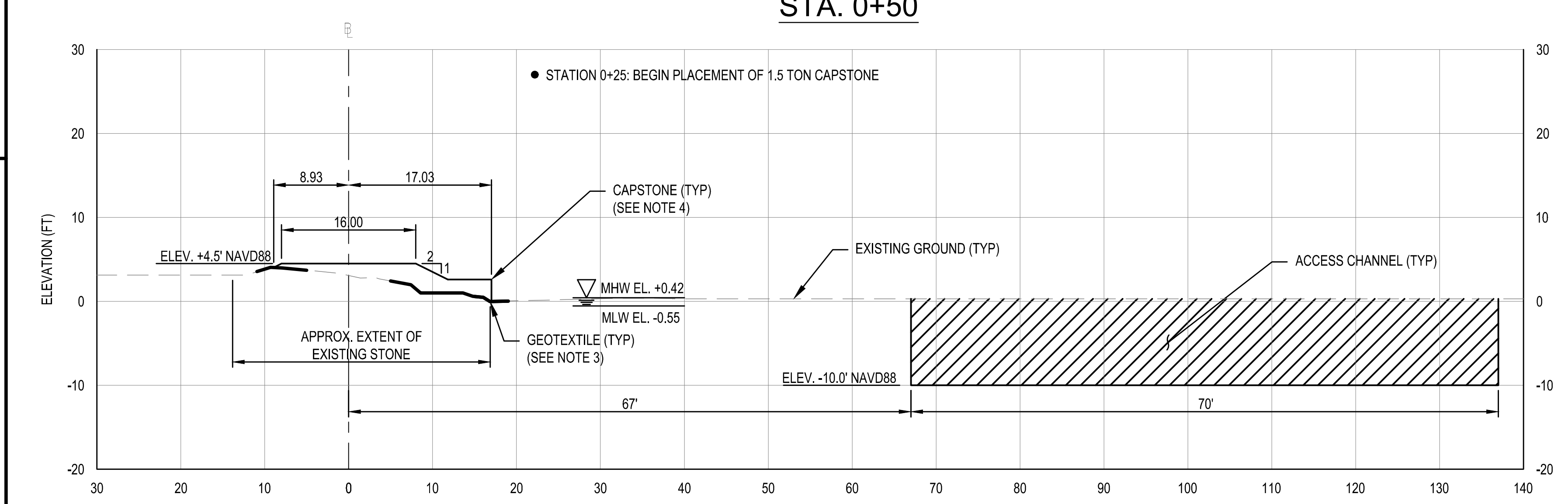
**STA. 1+75**



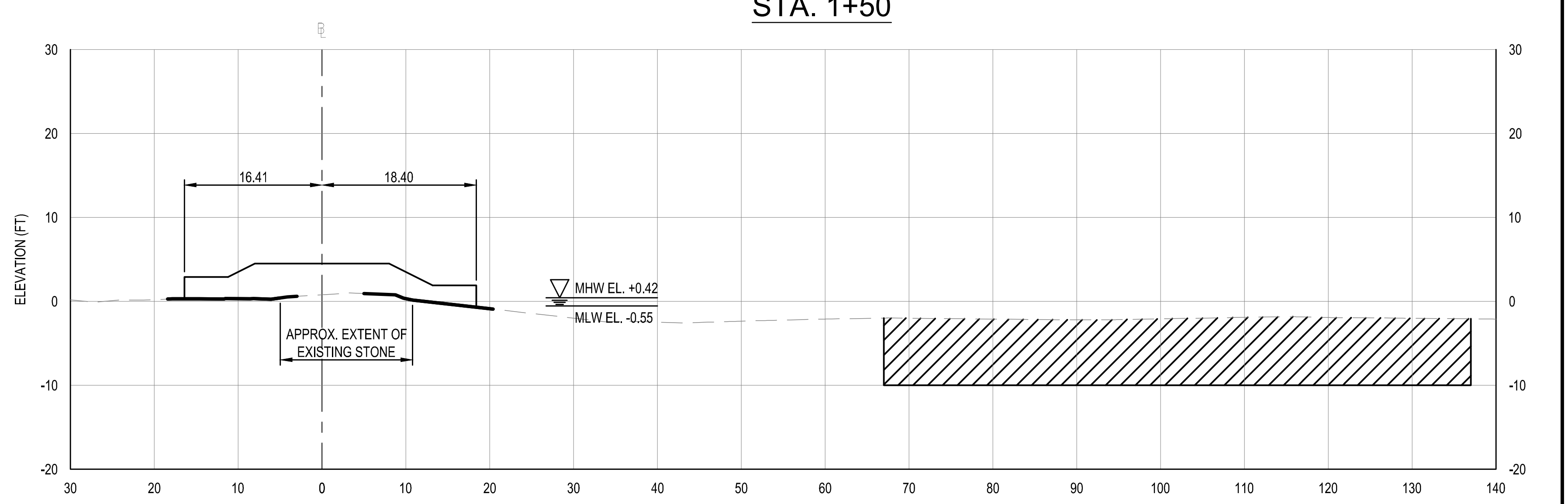
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**STA. 1+50**

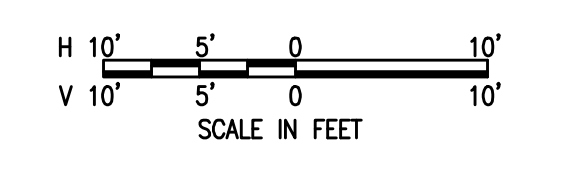


**STA. 0+25**



**STA. 1+25**

- NOTES:**
- SEE SHEET C-001 FOR GENERAL INFORMATION.
  - SEE SHEET C-301 FOR TYPICAL SECTIONS.
  - GEOTEXTILE EXTENTS ARE APPROXIMATED FROM OCT 2020 NAB USACE SURVEYS AND MAY BE EXTENDED OR REVISED FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
  - CAPSTONE TEMPLATE MAY BE REVISED FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
  - SEE SHEET C-501 FOR GROUTING DETAILS.



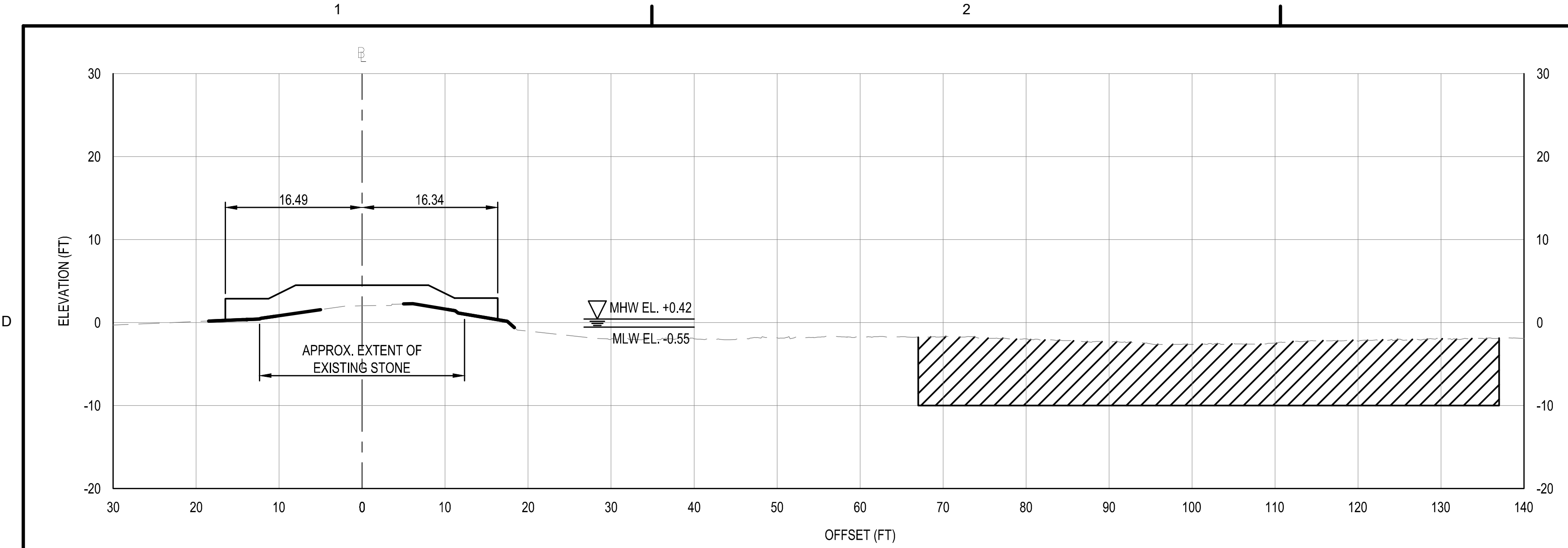


DESIGNED BY	DATE
DRAWN BY	28 MARCH 2021
CHECKED BY	
APPROVED BY	
PROJECT NUMBER	
CONTRACT NUMBER	
FILE NAME	
AS SHOWN	
DATE	
DESCRIPTION	

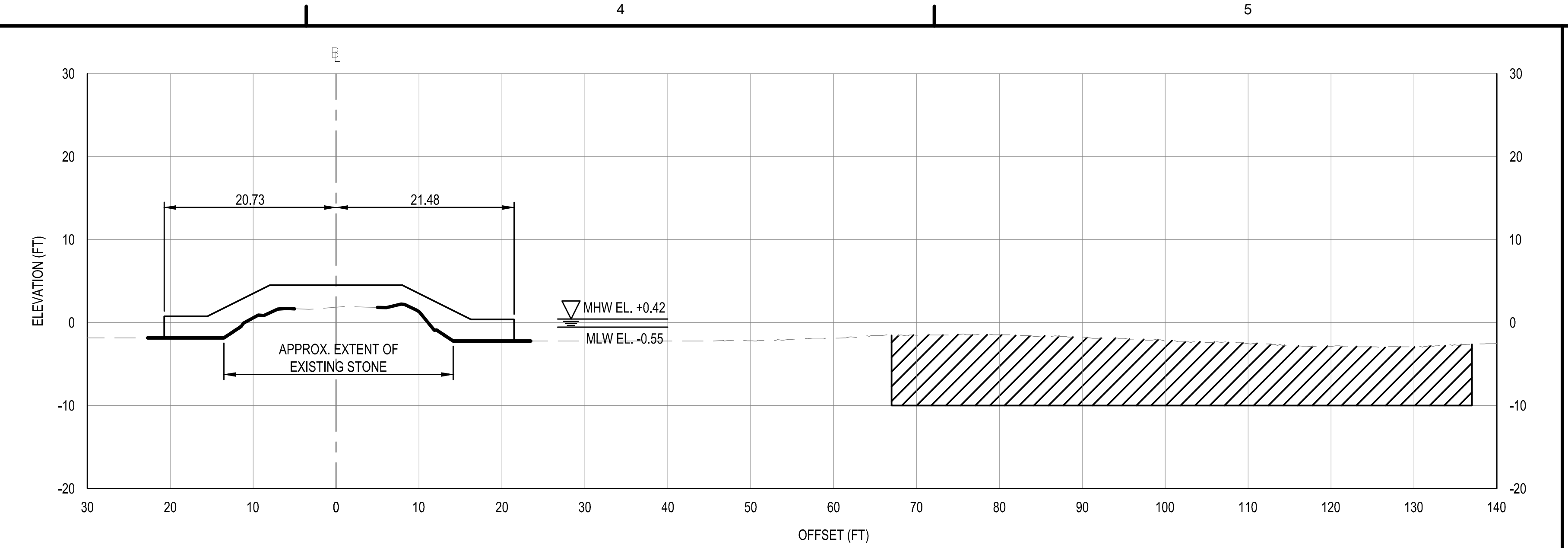
U.S. ARMY CORPS OF ENGINEERS  
BALTIMORE DISTRICT  
FISHING CREEK SOUTH-LITTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
CROSS SECTIONS - STA. 2+25 TO STA. 4+00

SHEET NUMBER

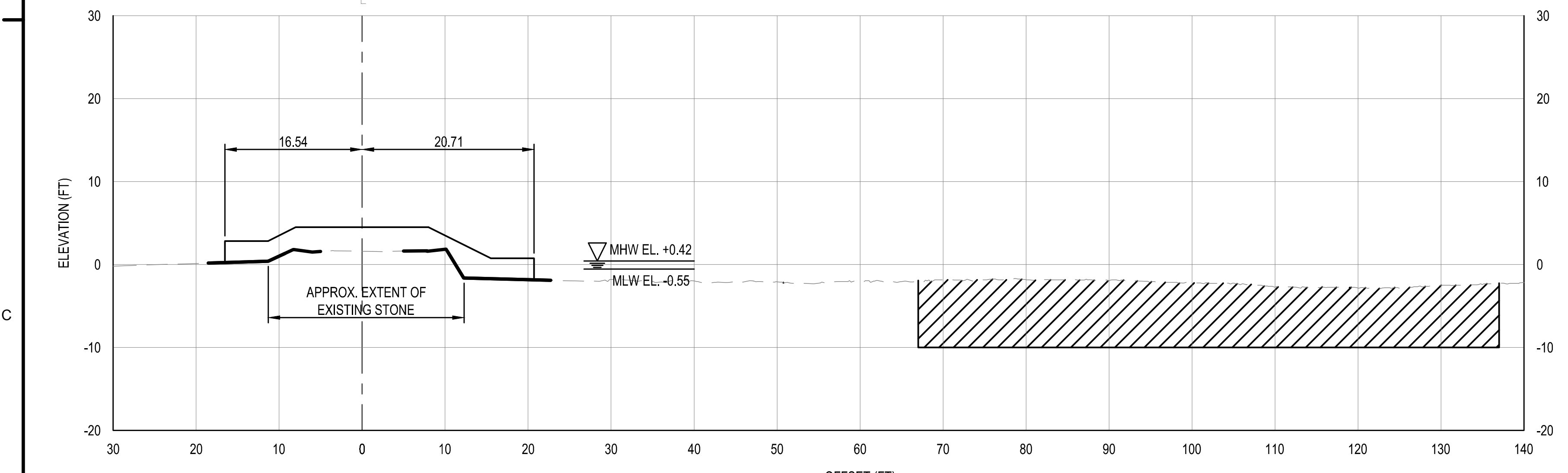
C-303



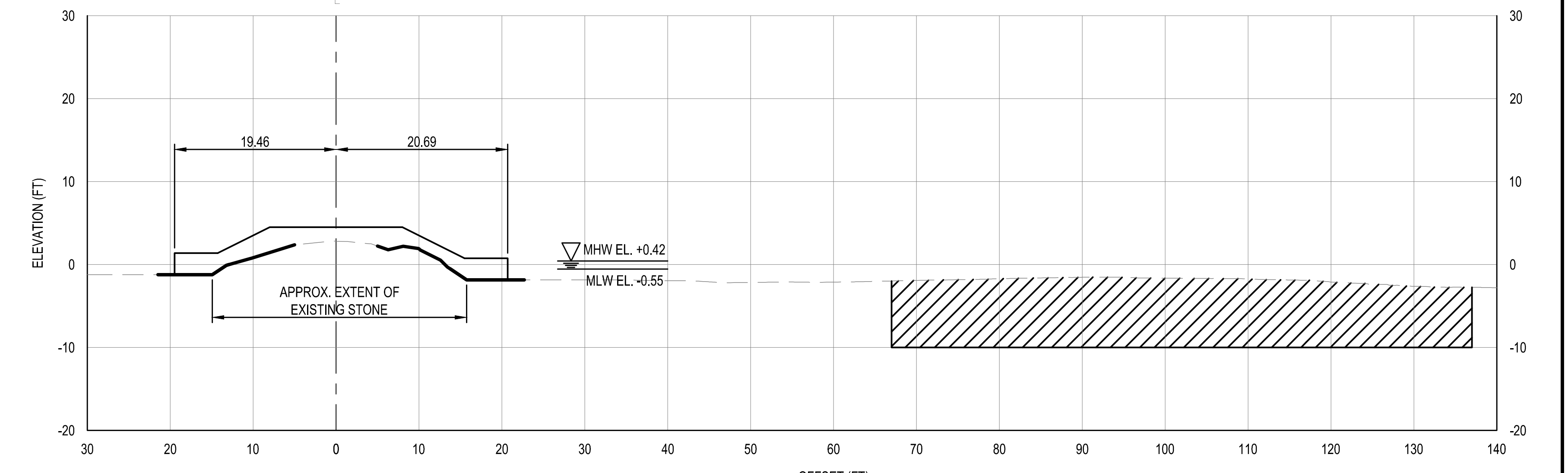
STA. 3+00



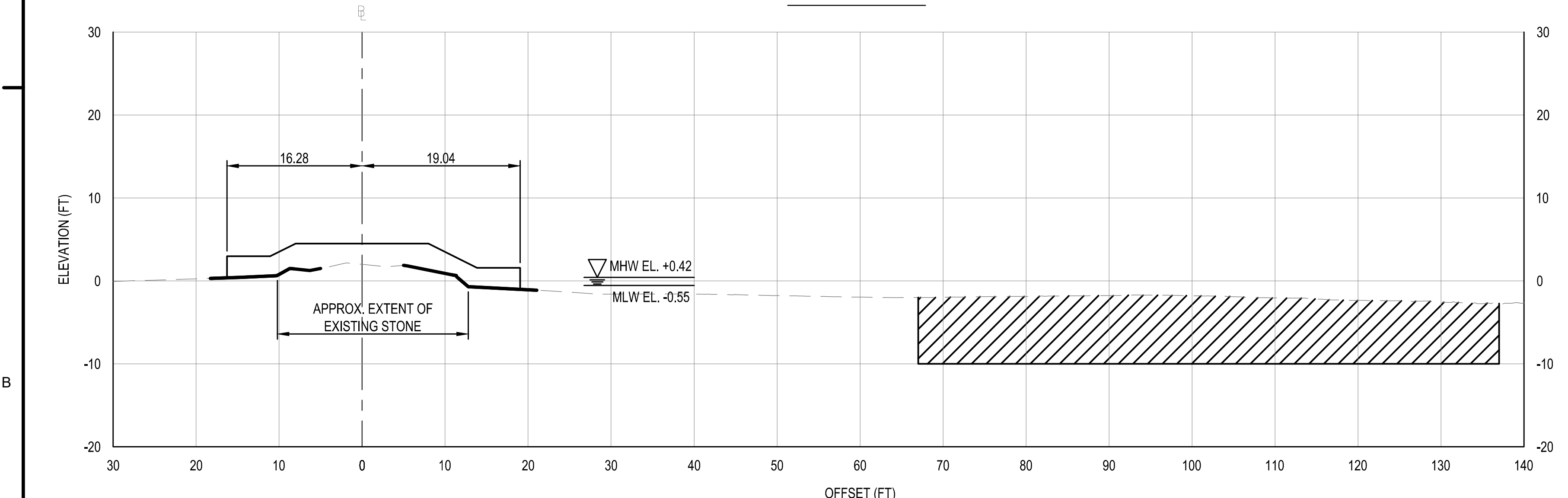
STA. 4+00



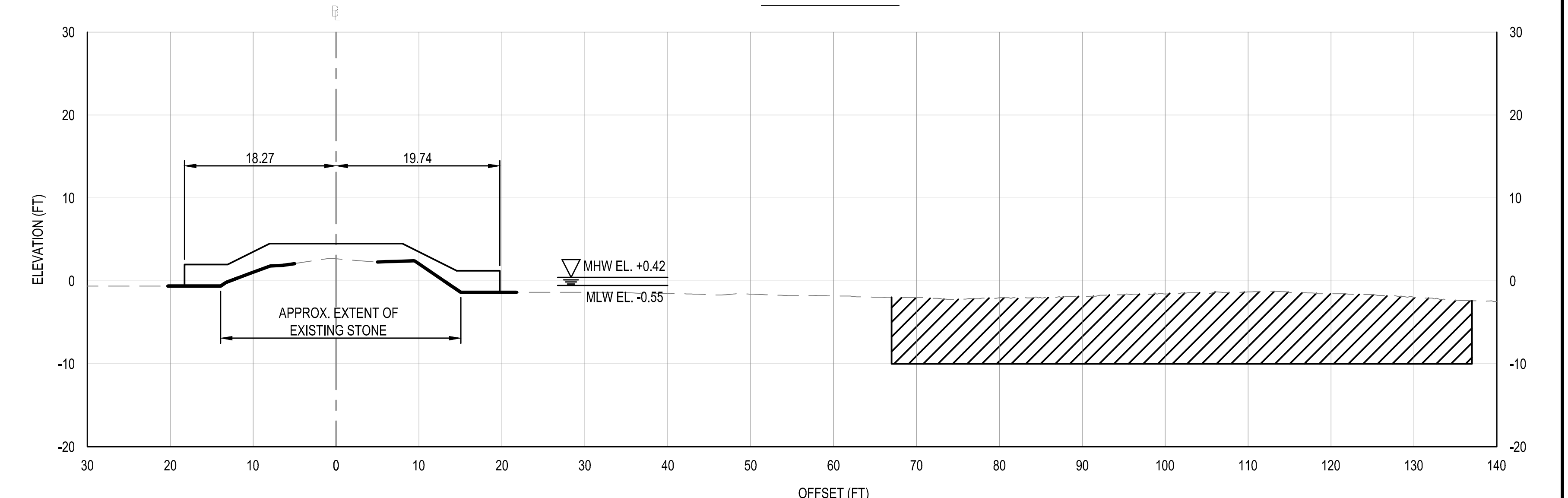
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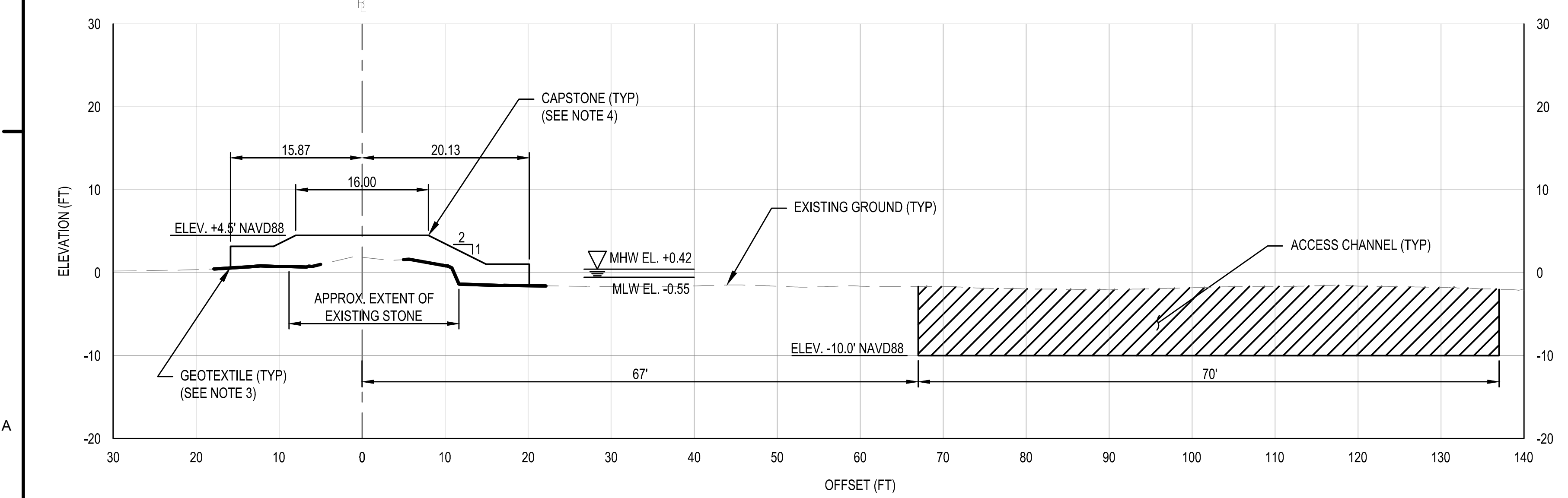
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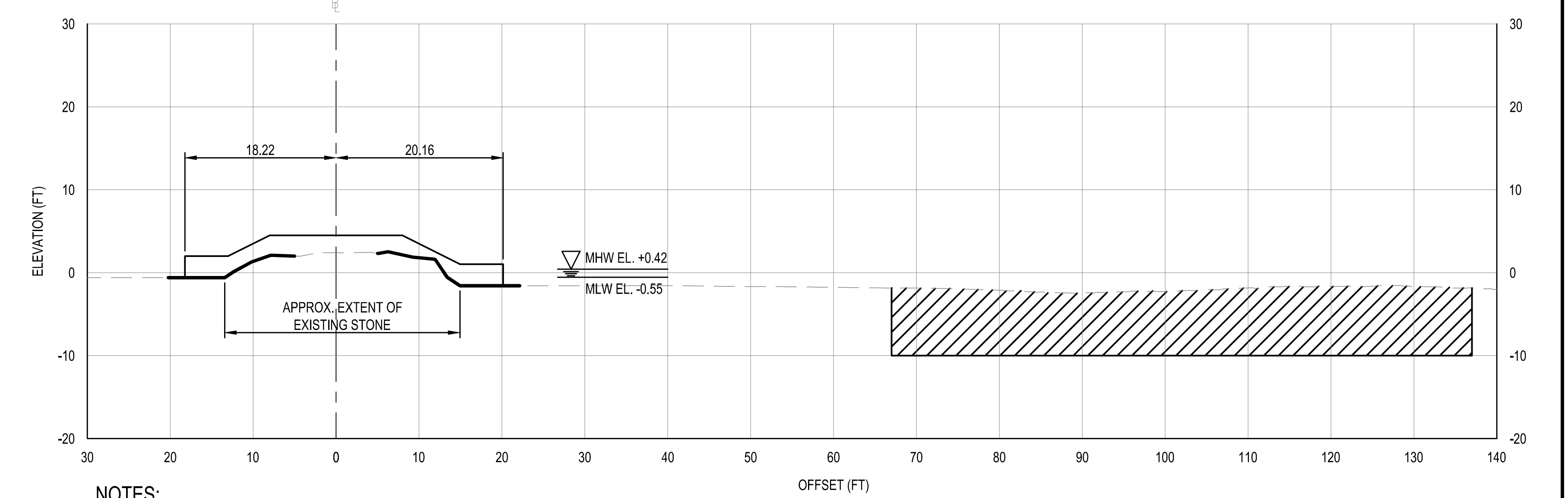
STA. 2+50



STA. 3+50



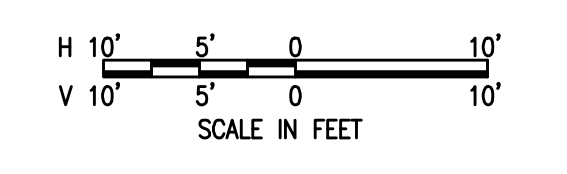
STA. 2+25



STA. 3+25

NOTES:

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- SEE SHEET C-301 FOR TYPICAL SECTIONS.
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- CAPSTONE TEMPLATE MAY BE REVISED FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
- SEE SHEET C-501 FOR GROUTING DETAILS.

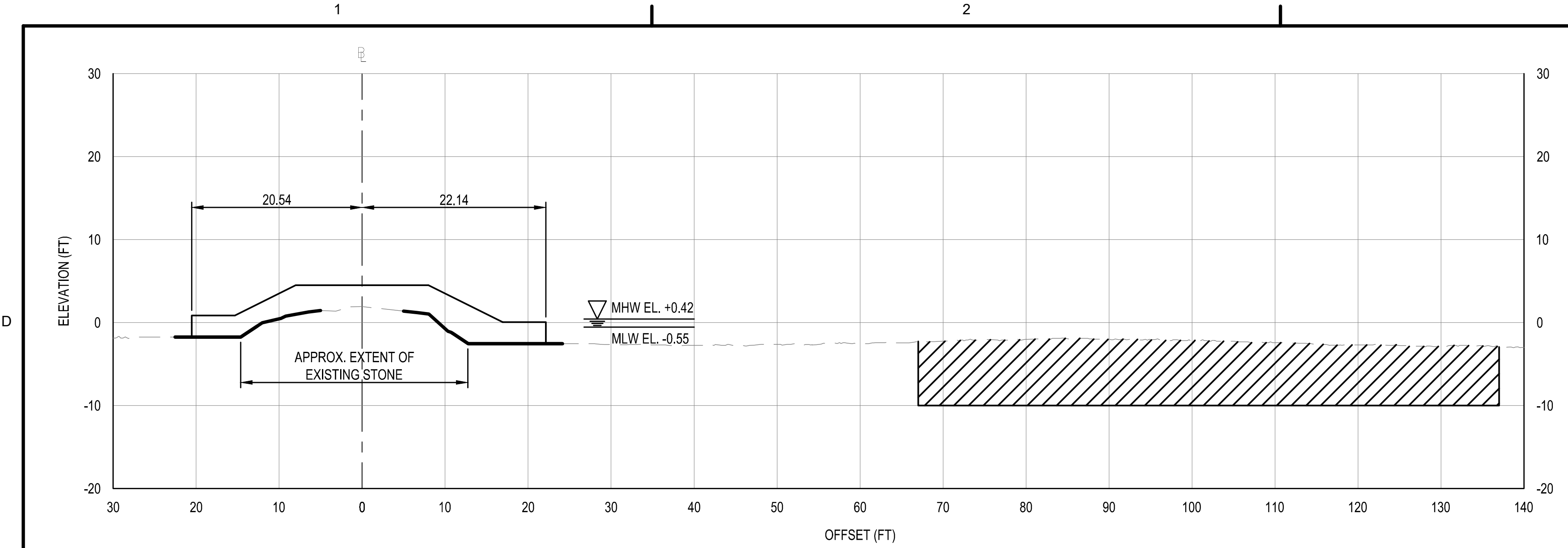




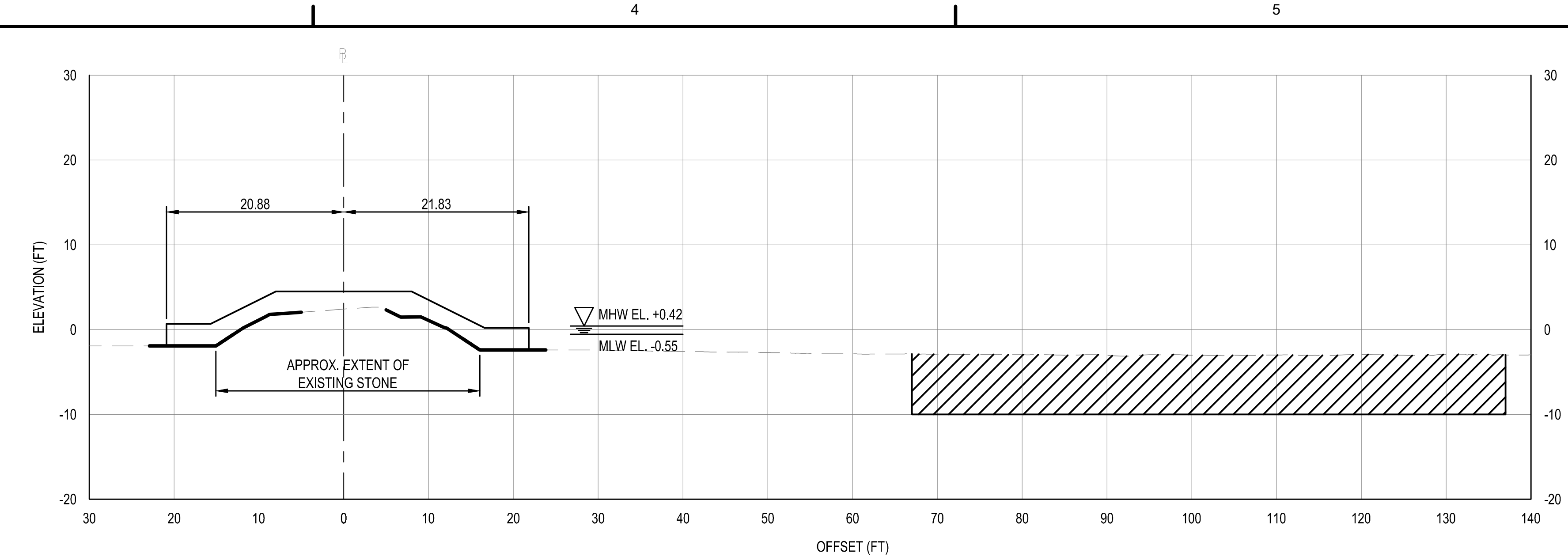
DESIGNED BY	DATE
DRAWN BY	ISSUED FOR
CHECKED BY	CONTRACT NUMBER
IN CHARGE	PROJECT NAME
	FILE NAME
	DWG. SIZE
	DESCRIPTION

FISHING CREEK  
SOUTH LITTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
CROSS SECTIONS - STA. 4+25 TO 6+00

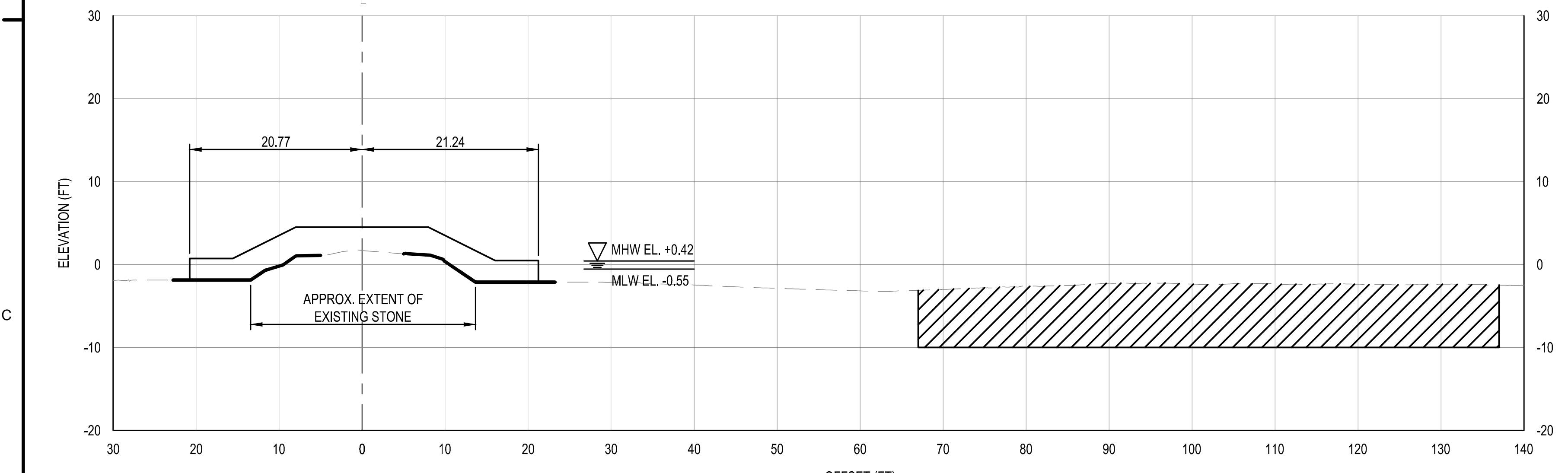
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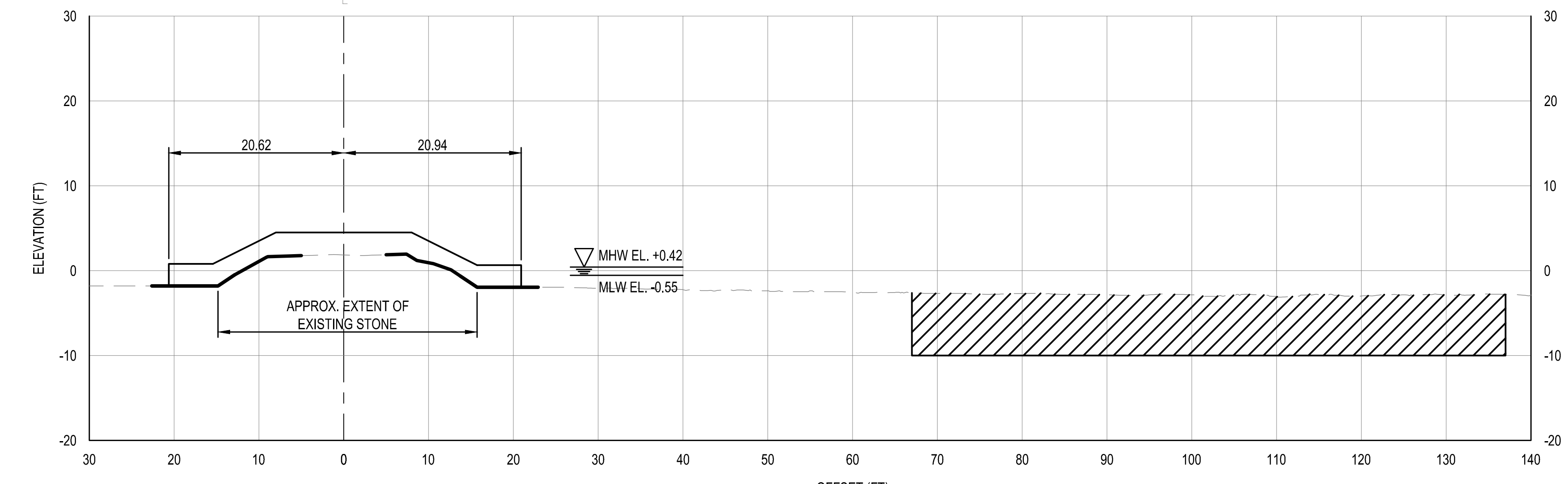
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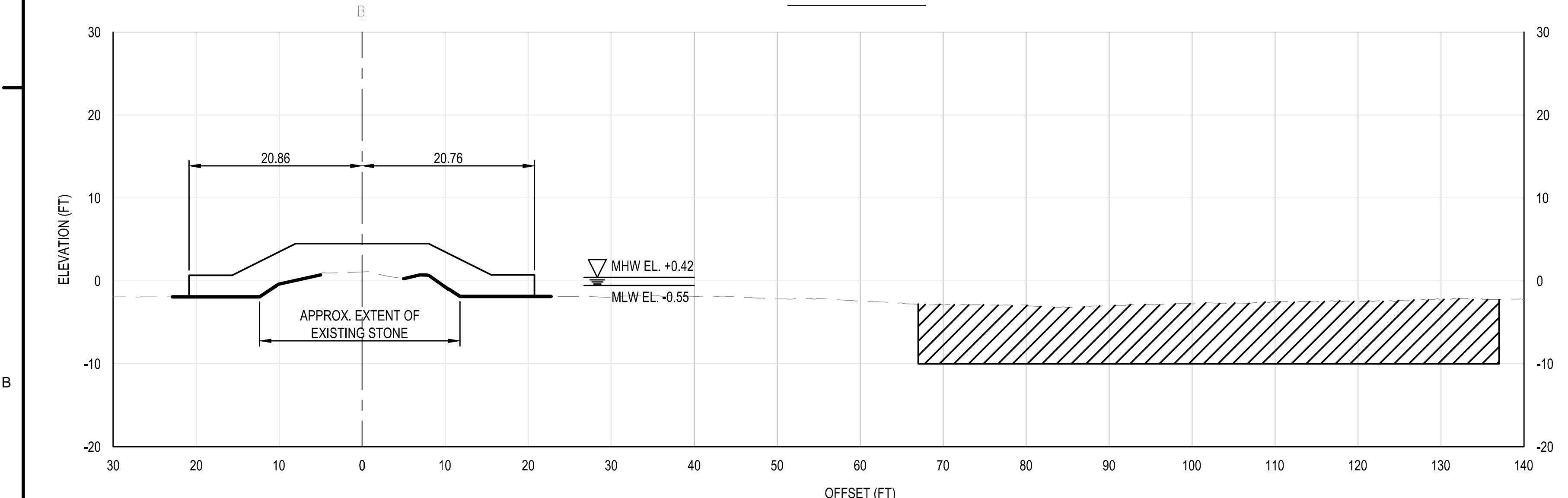
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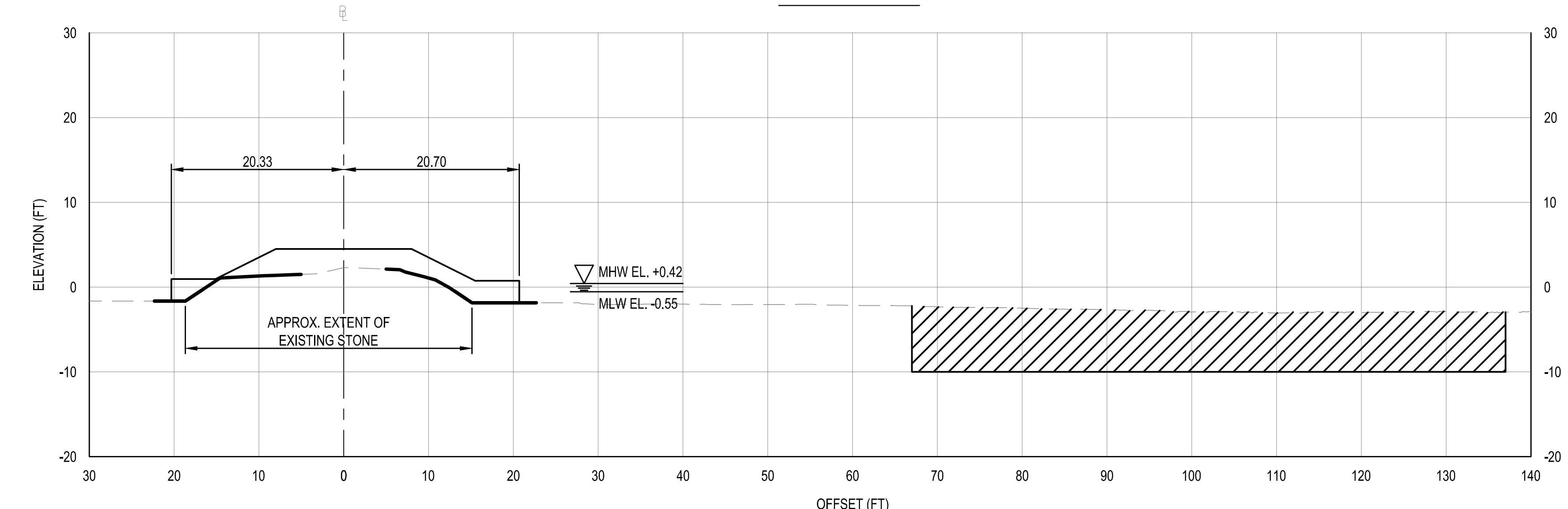
**STA. 4+75**



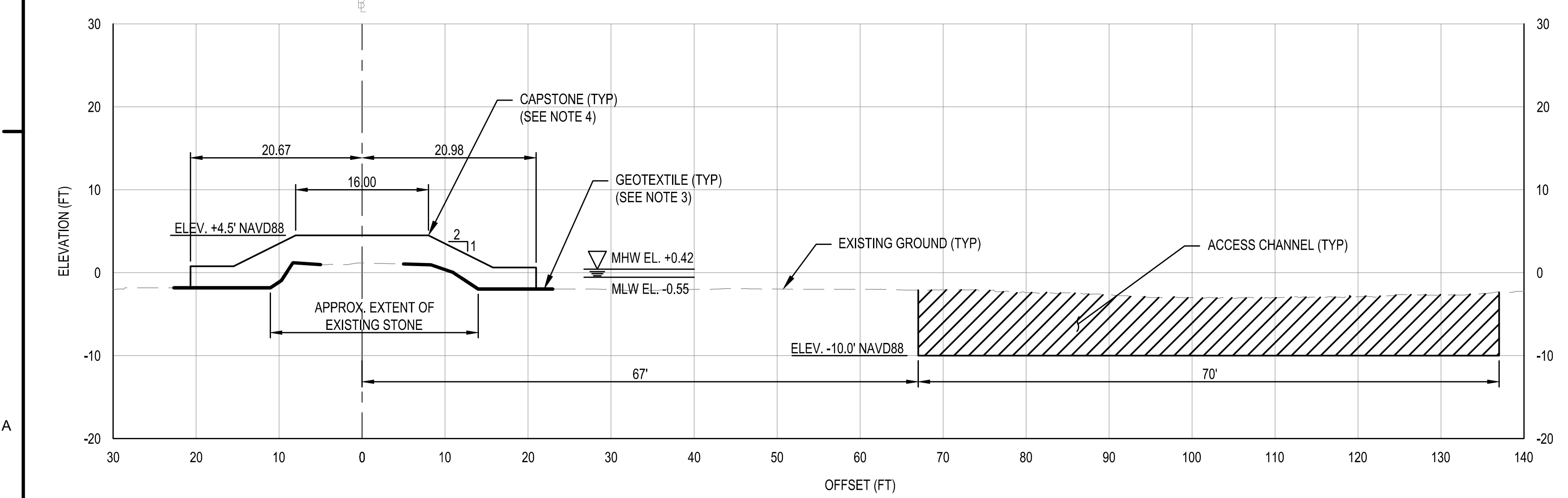
**STA. 5+75**



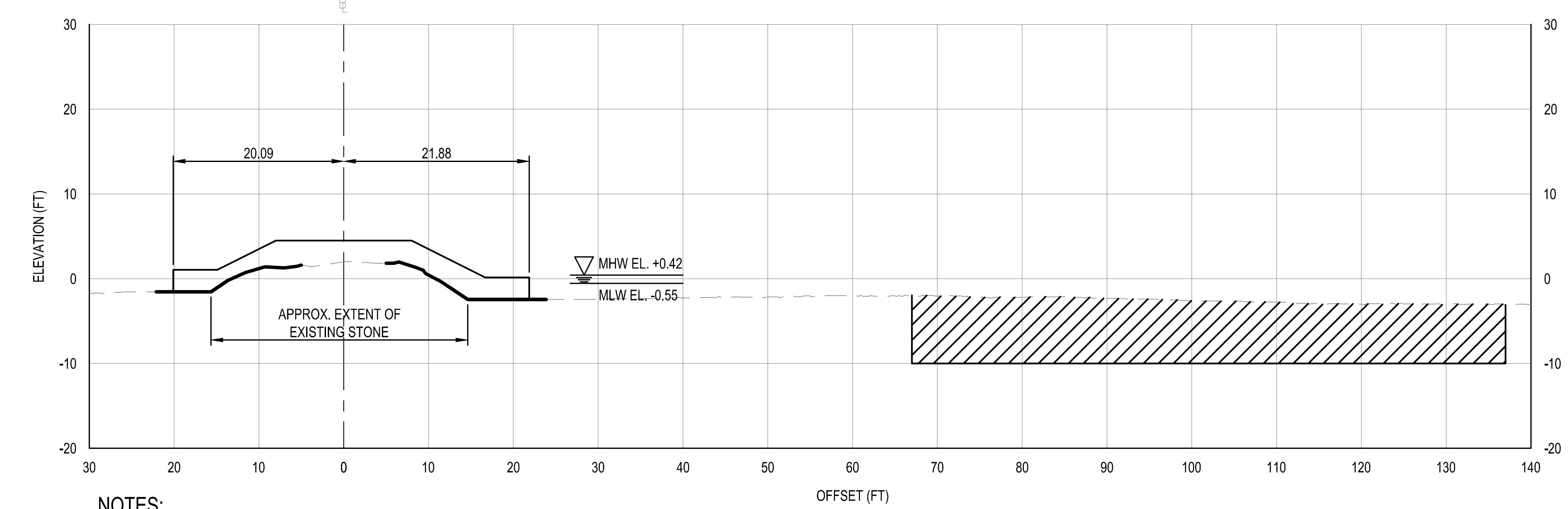
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**STA. 5+50**



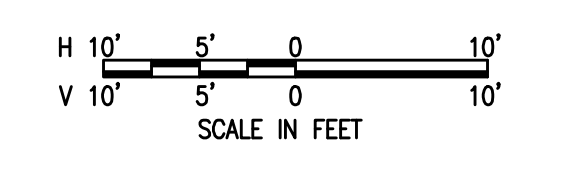
**STA. 4+25**



**STA. 5+25**

**NOTES:**

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- SEE SHEET C-301 FOR TYPICAL SECTIONS.
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- SEE SHEET C-501 FOR GROUTING DETAILS.



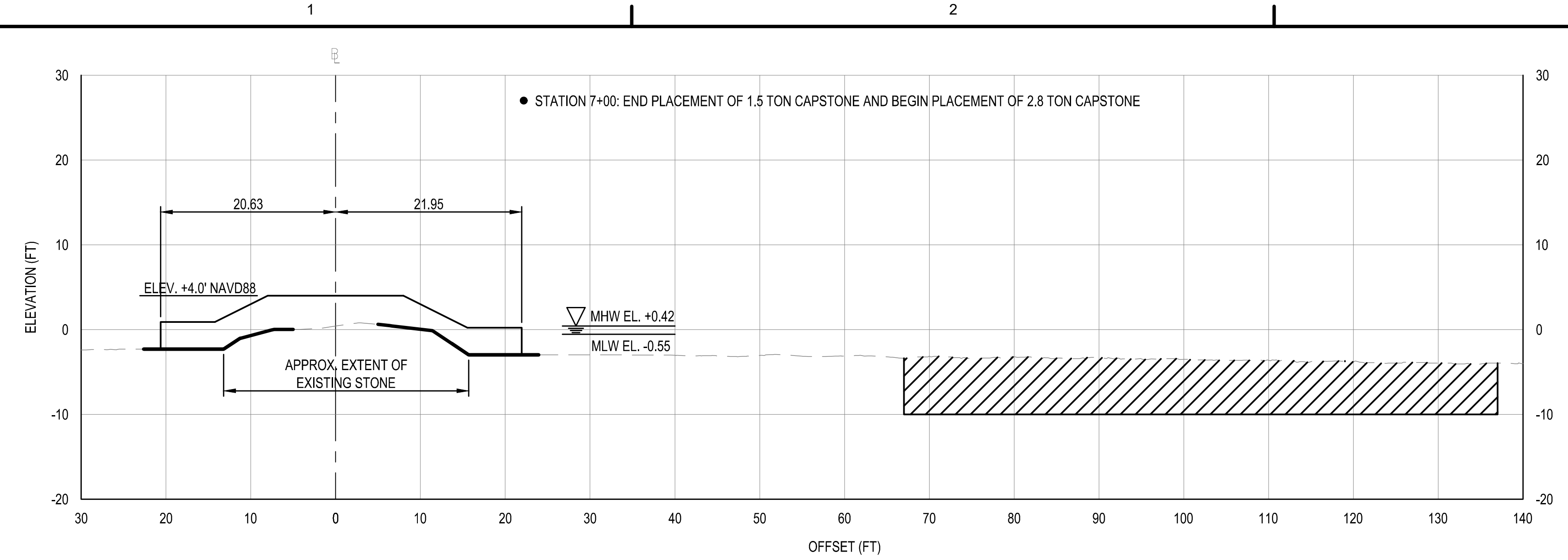


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DRAWN BY	ISSUED FOR
CHECKED BY	PROJECT NUMBER
APPROVED BY	CONTRACT NUMBER
FILE NAME	DESCRIPTION
DATE	

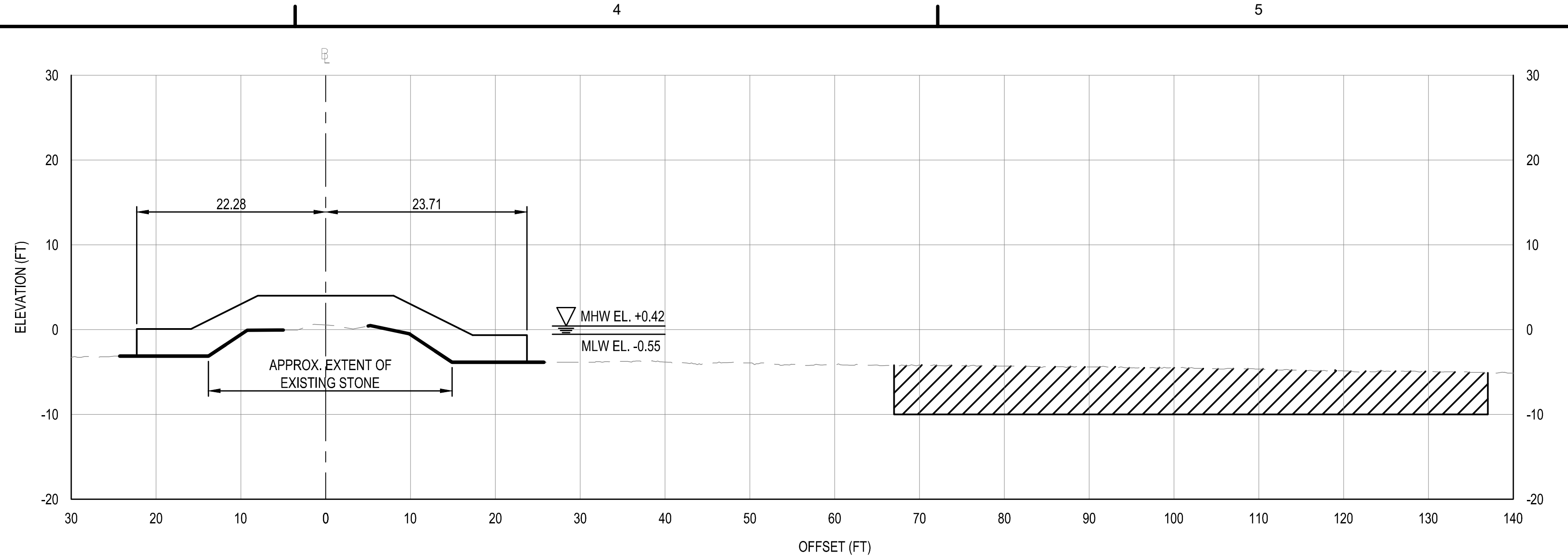
U.S. ARMY CORPS OF ENGINEERS  
BALTIMORE DISTRICT  
PHILADELPHIA DISTRICT

FISHING CREEK  
SOUTH LITTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
CROSS SECTIONS - STA. 6+25 TO STA. 8+00

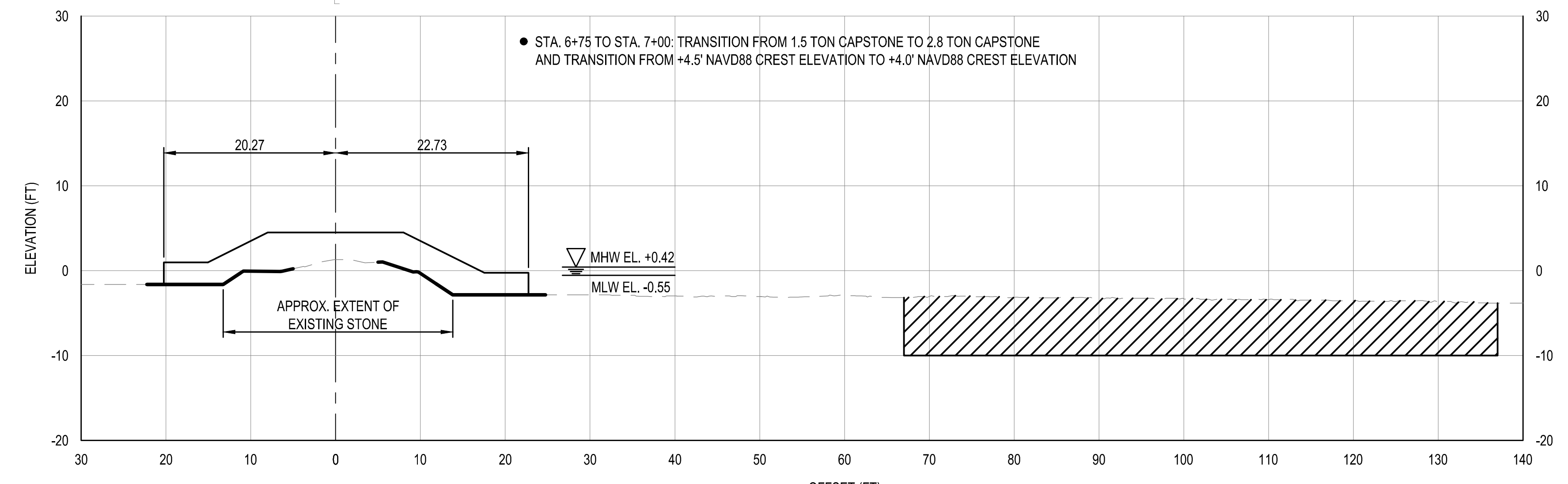
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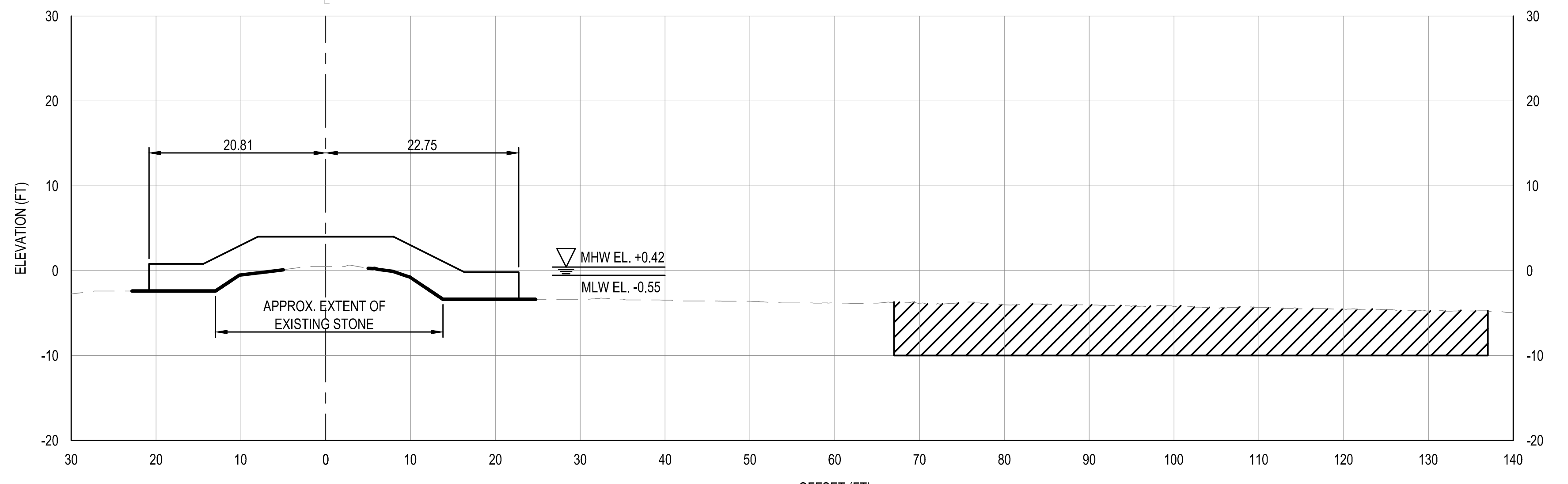
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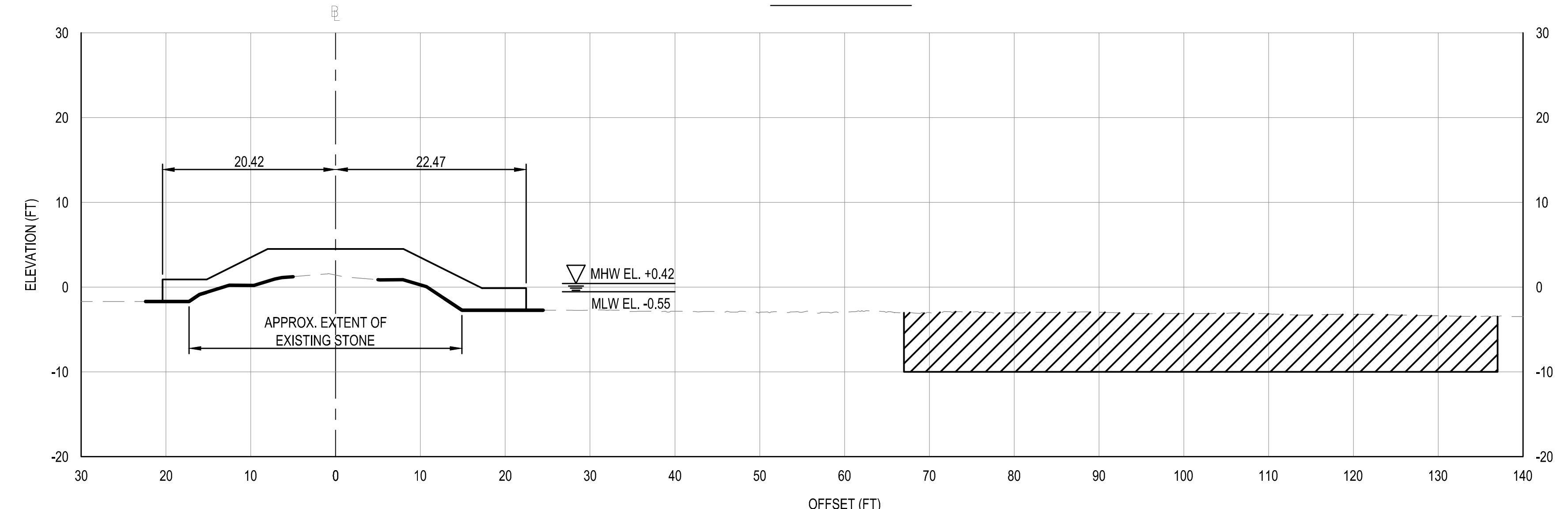
**STA. 8+00**



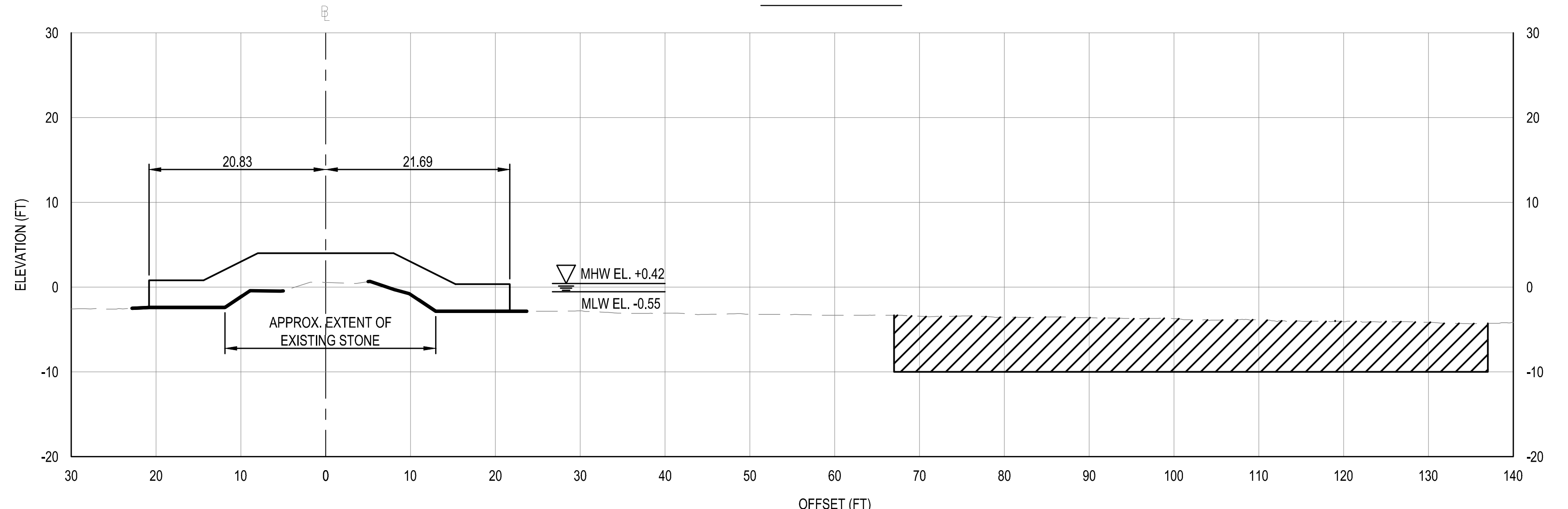
**STA. 6+75**



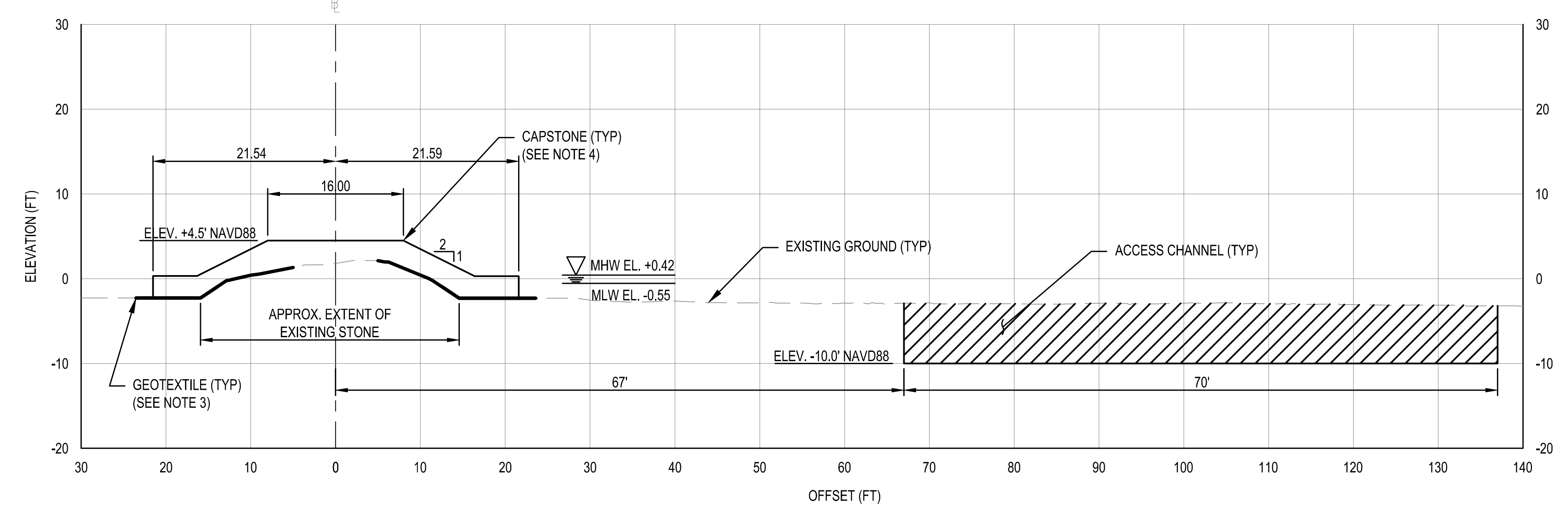
**STA. 7+75**



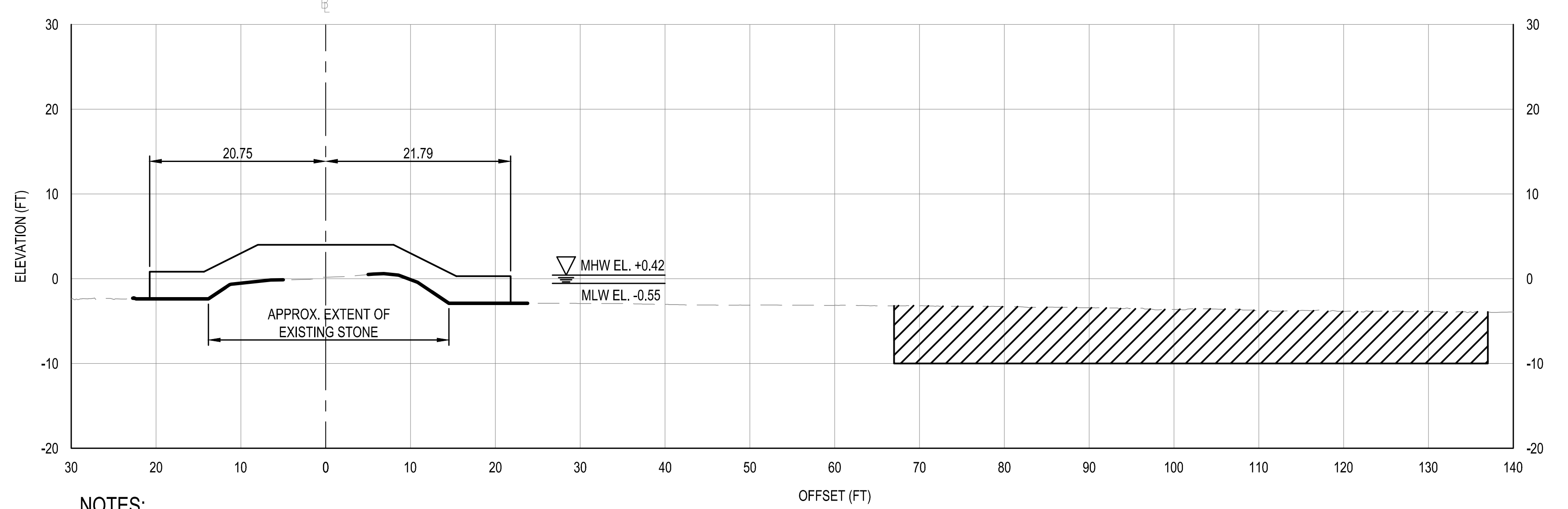
**STA. 6+50**



**STA. 7+50**



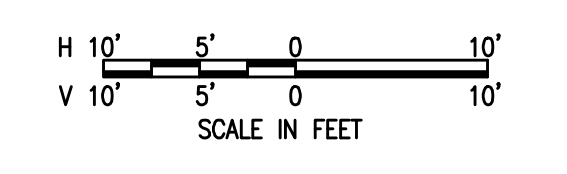
**STA. 6+25**



**STA. 7+25**

**NOTES:**

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- GEOTEXTILE EXTENTS ARE APPROXIMATED FROM OCT 2020 NAB USACE SURVEYS AND MAY BE EXTENDED OR REVISED FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
- CAPSTONE TEMPLATE MAY BE REVISED FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
- SEE SHEET C-501 FOR GROUTING DETAILS.



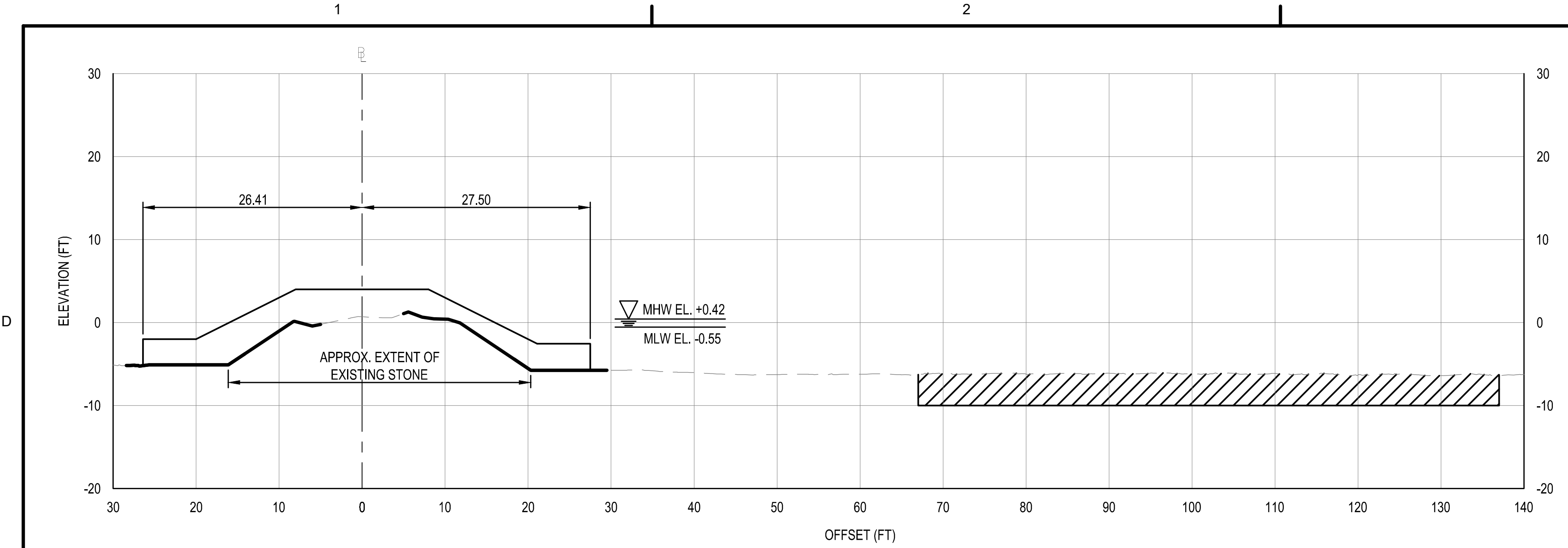




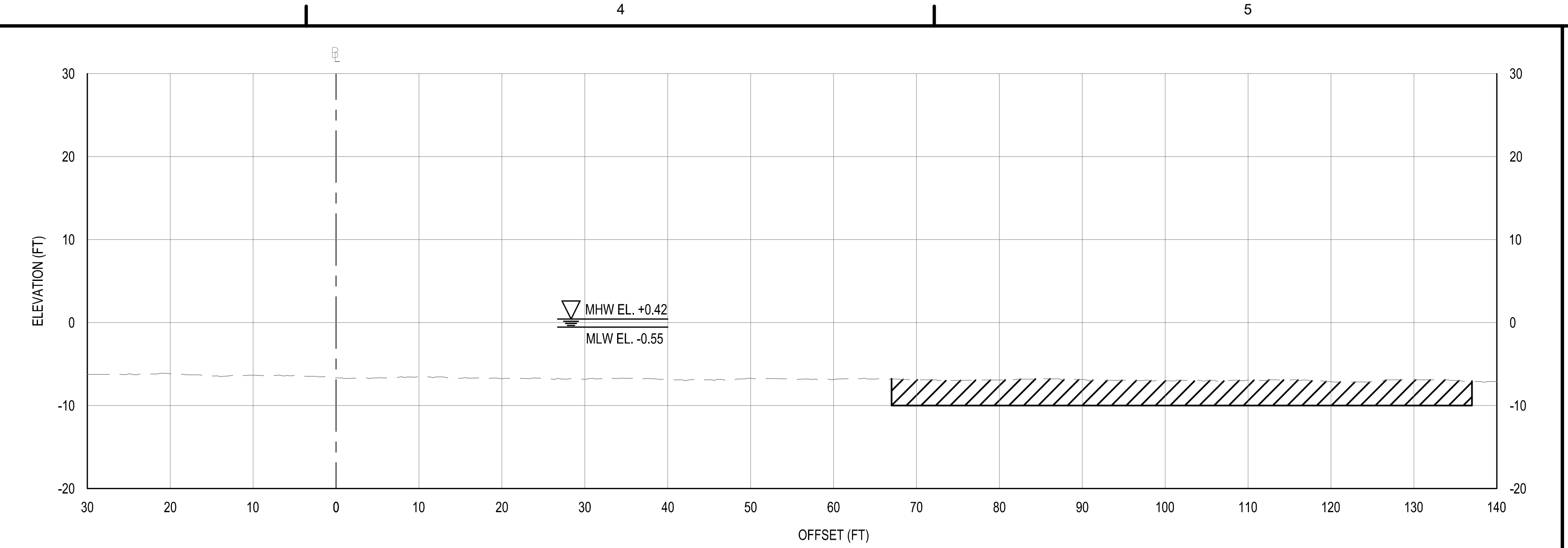
ISSUE/REVISIONAL DATE	28 MARCH 2021
DESIGNED BY	SW
CHECKED BY	TEH
CONTRACT NUMBER	
PROJECT NAME	FISHING CREEK
FILE NAME	CONSTRUCTION - STA. 8+25 TO 10+00.dwg
DWG. SIZE	11x17
DATE	
BY	

FISHING CREEK  
SOUTH LITTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
CROSS SECTIONS - STA. 8+25 TO 10+00

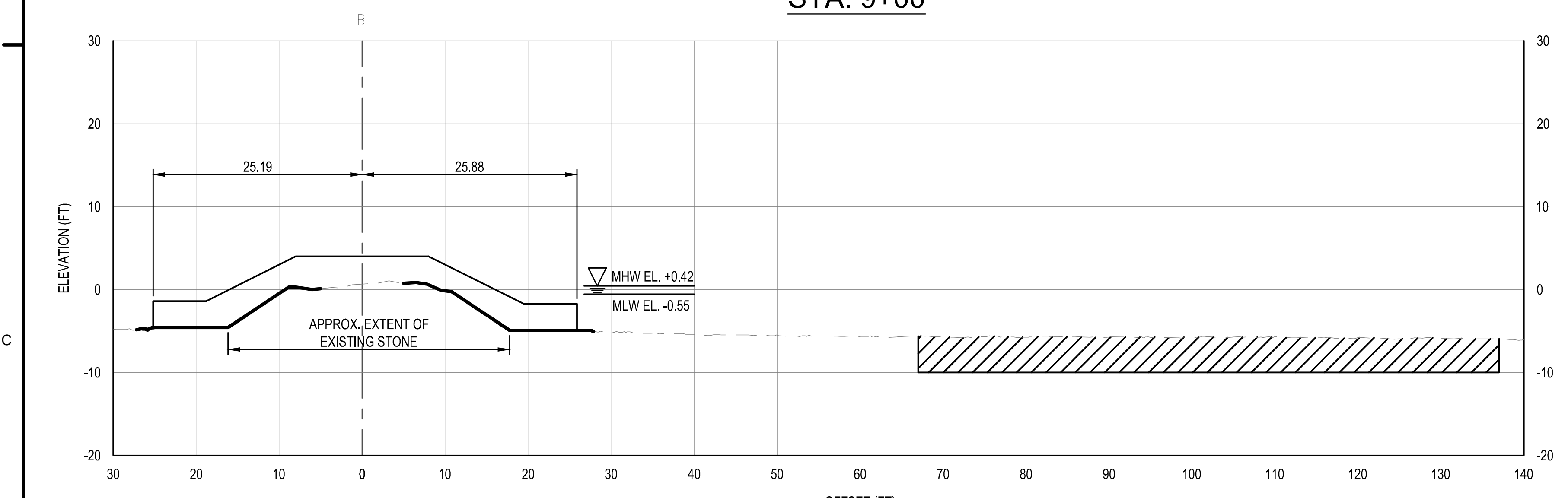
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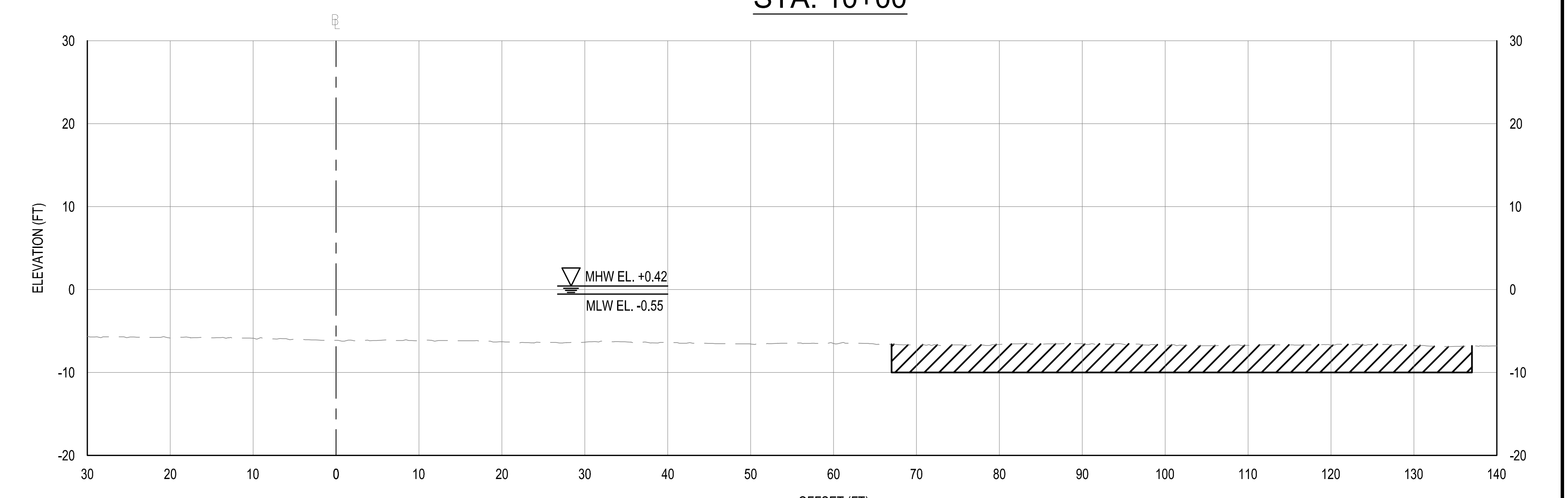
**STA. 9+00**



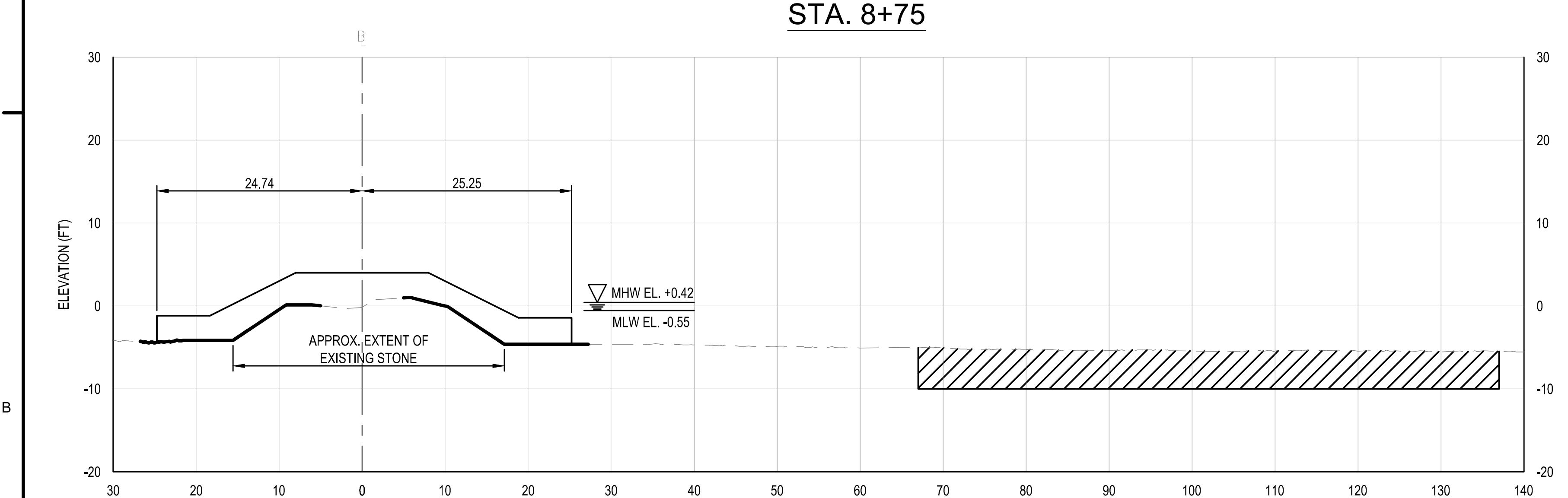
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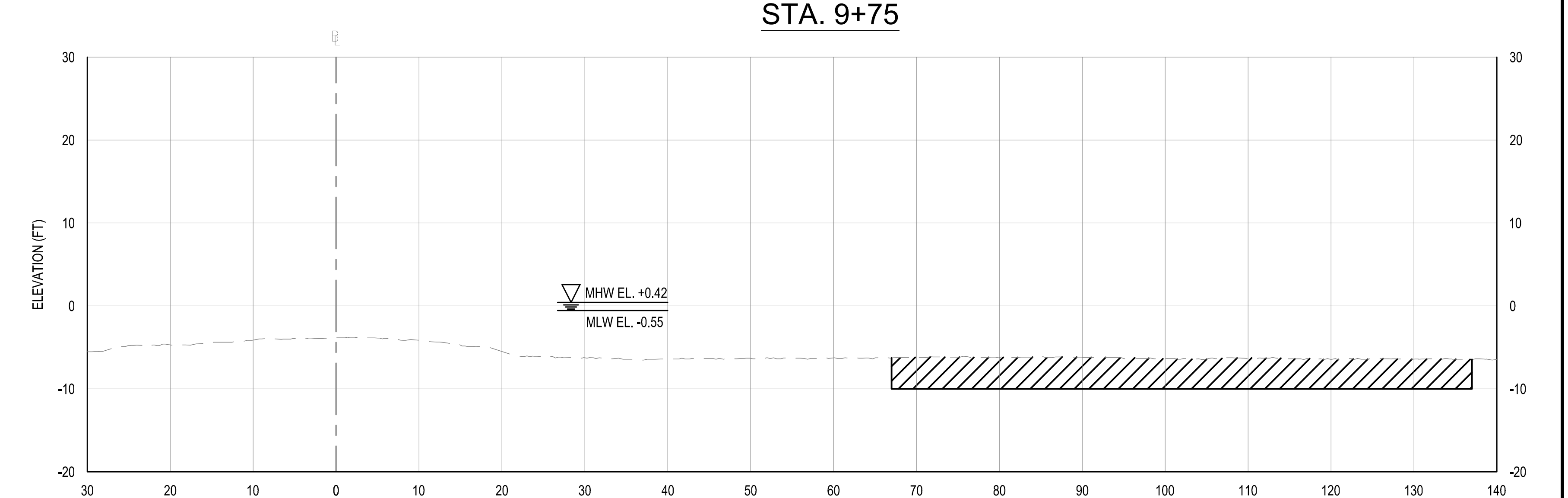
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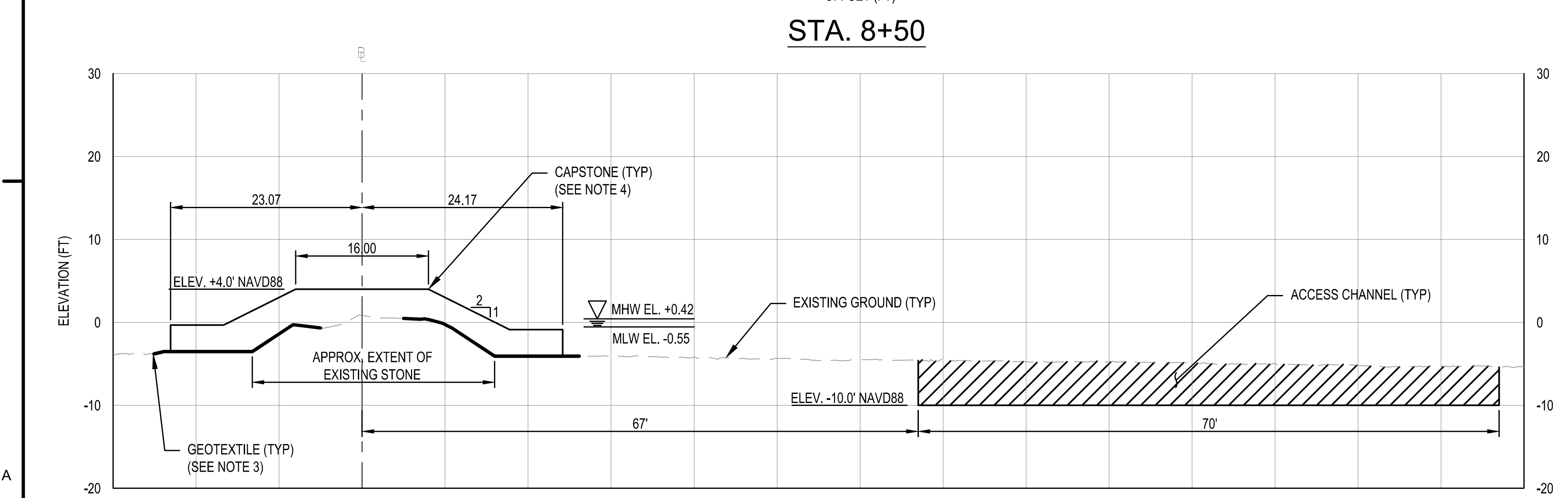
**STA. 9+75**



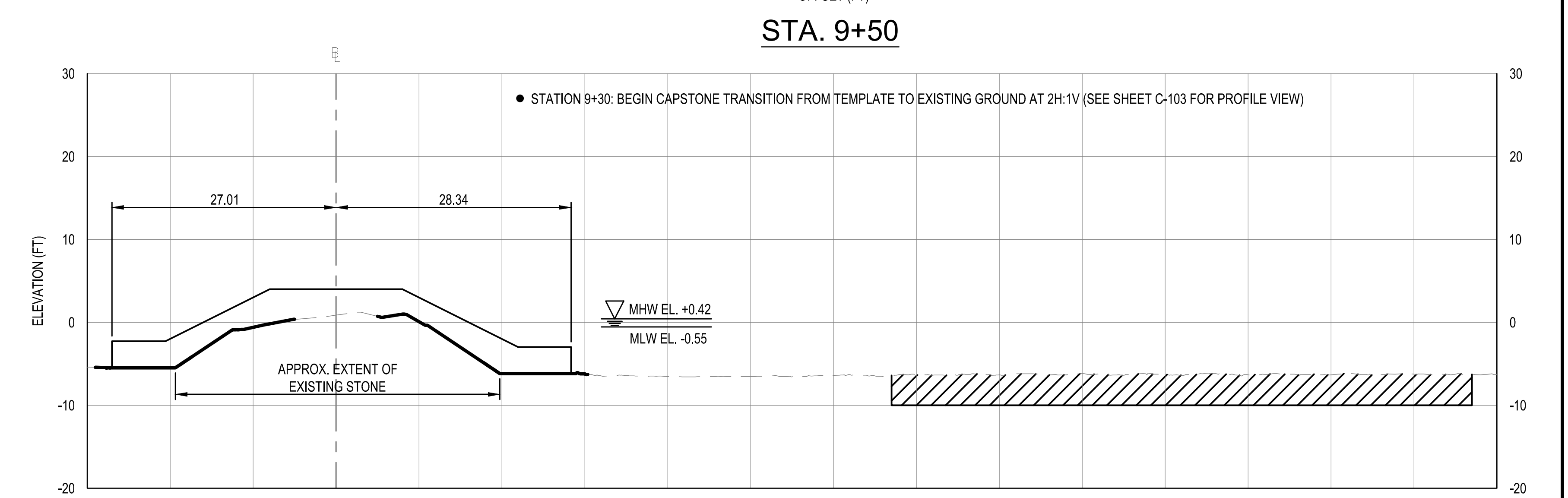
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**STA. 9+50**



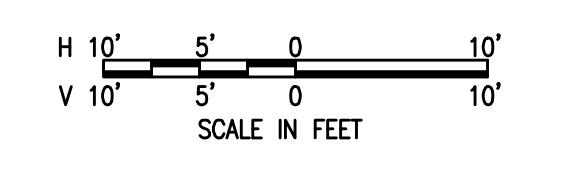
**STA. 8+25**

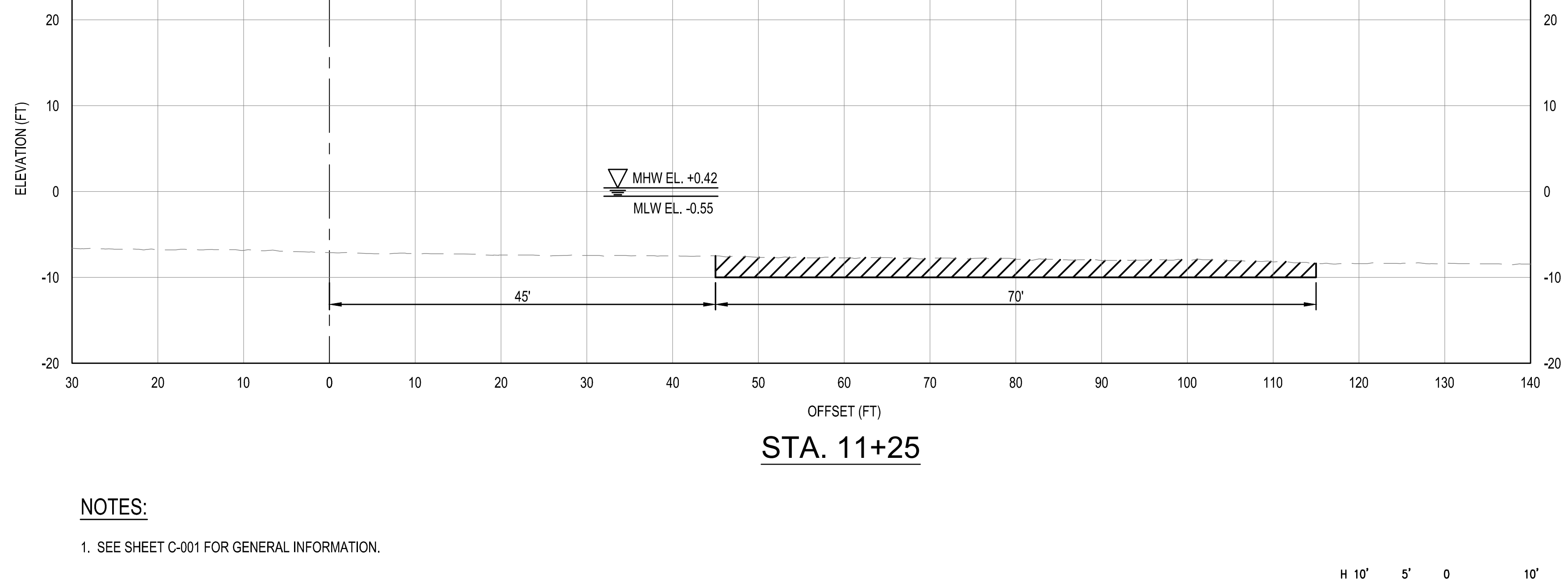
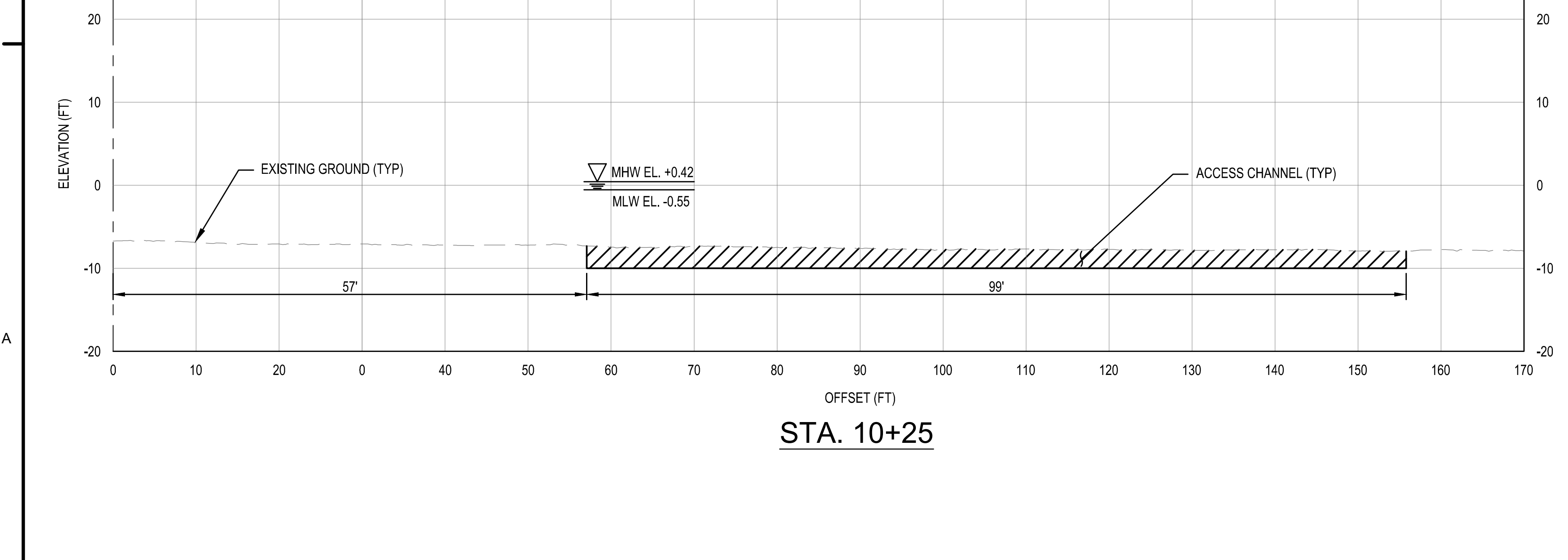
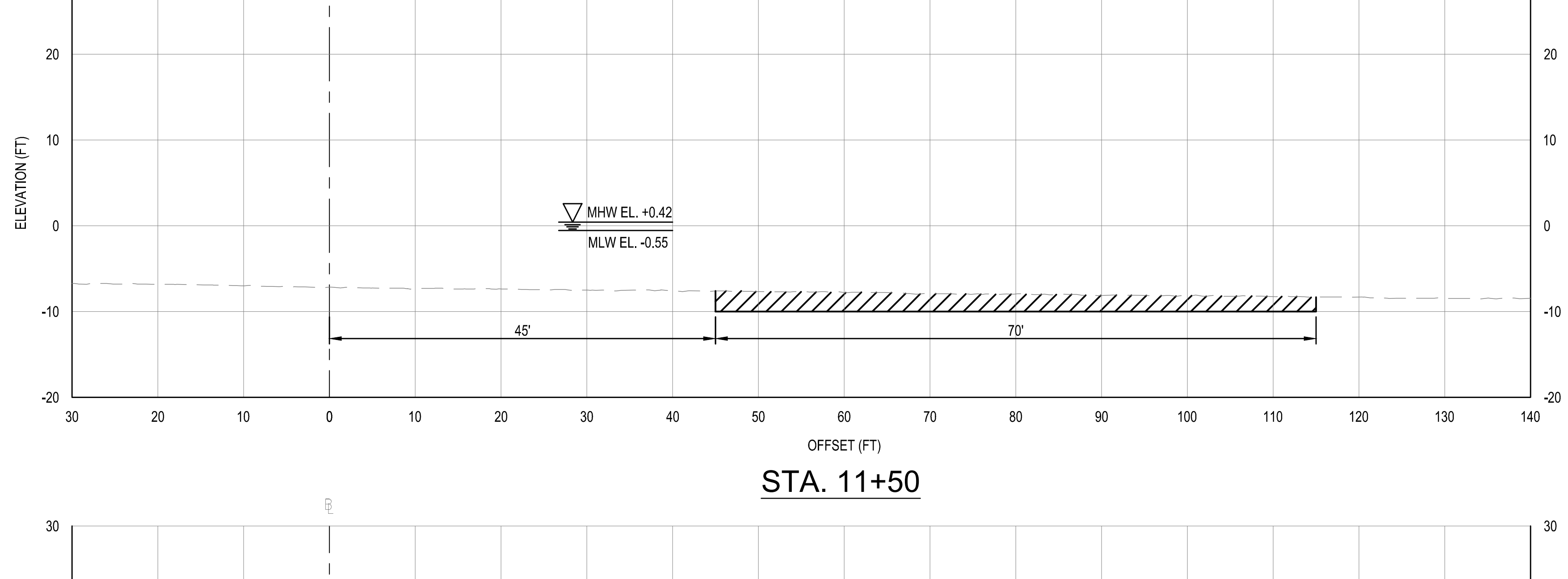
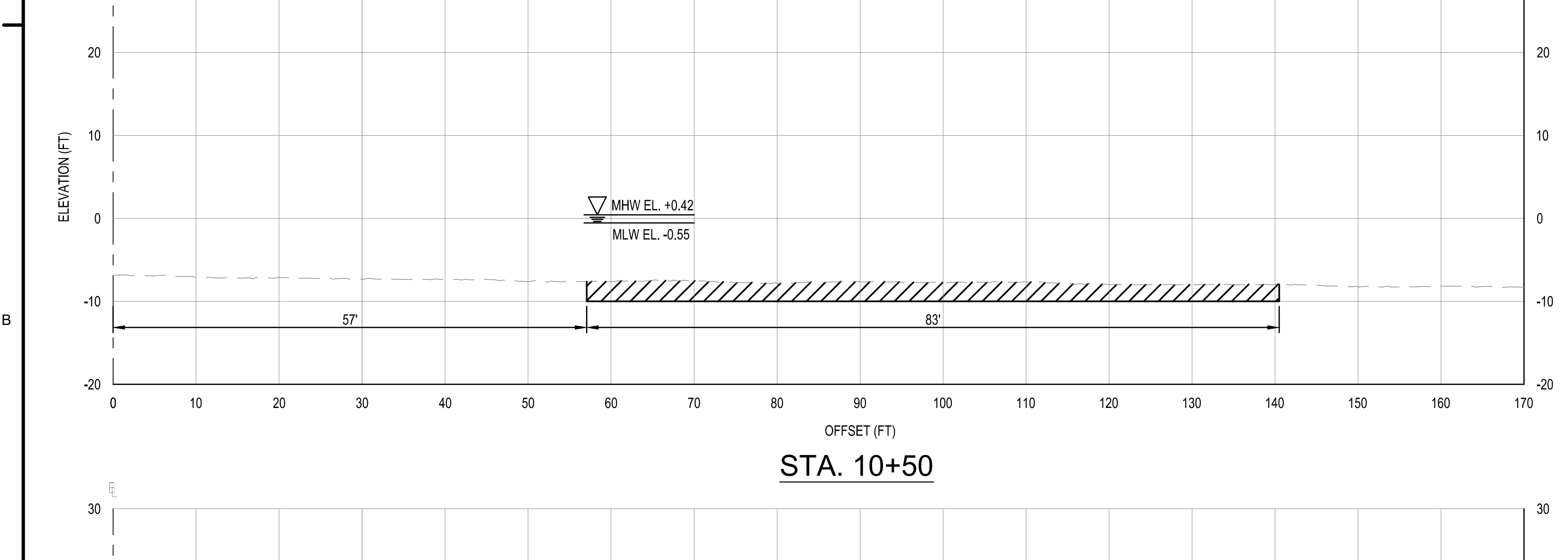
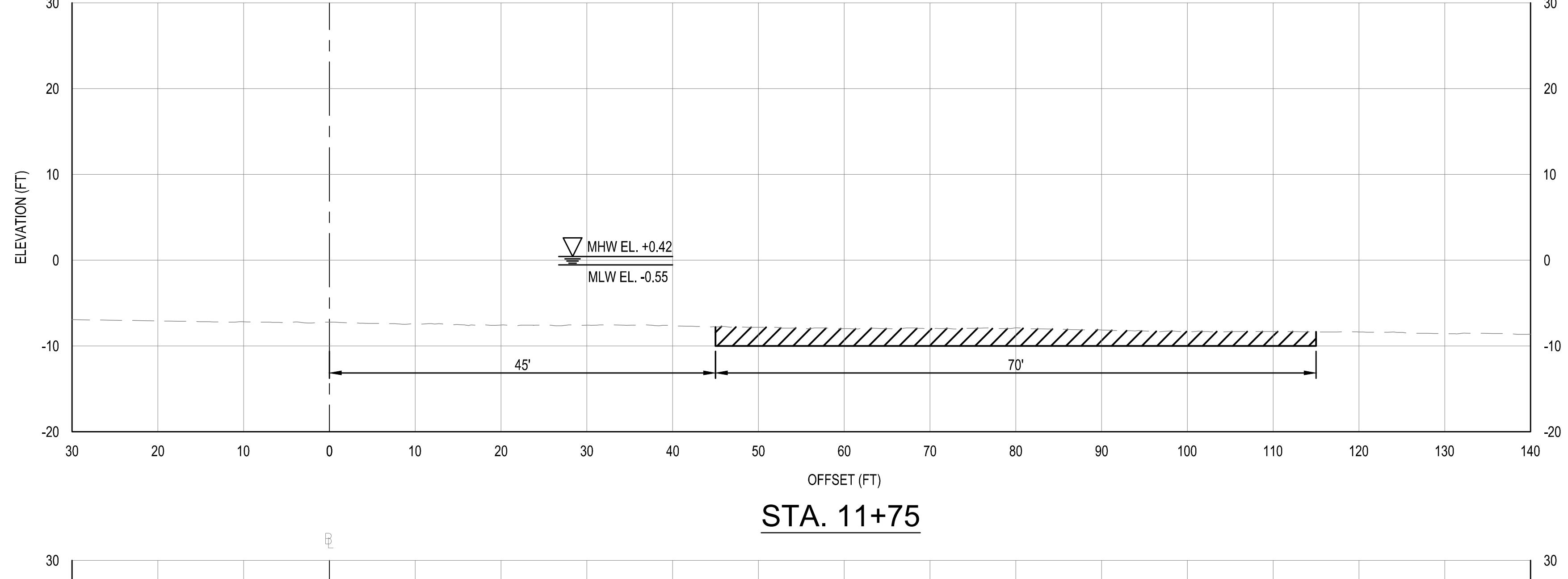
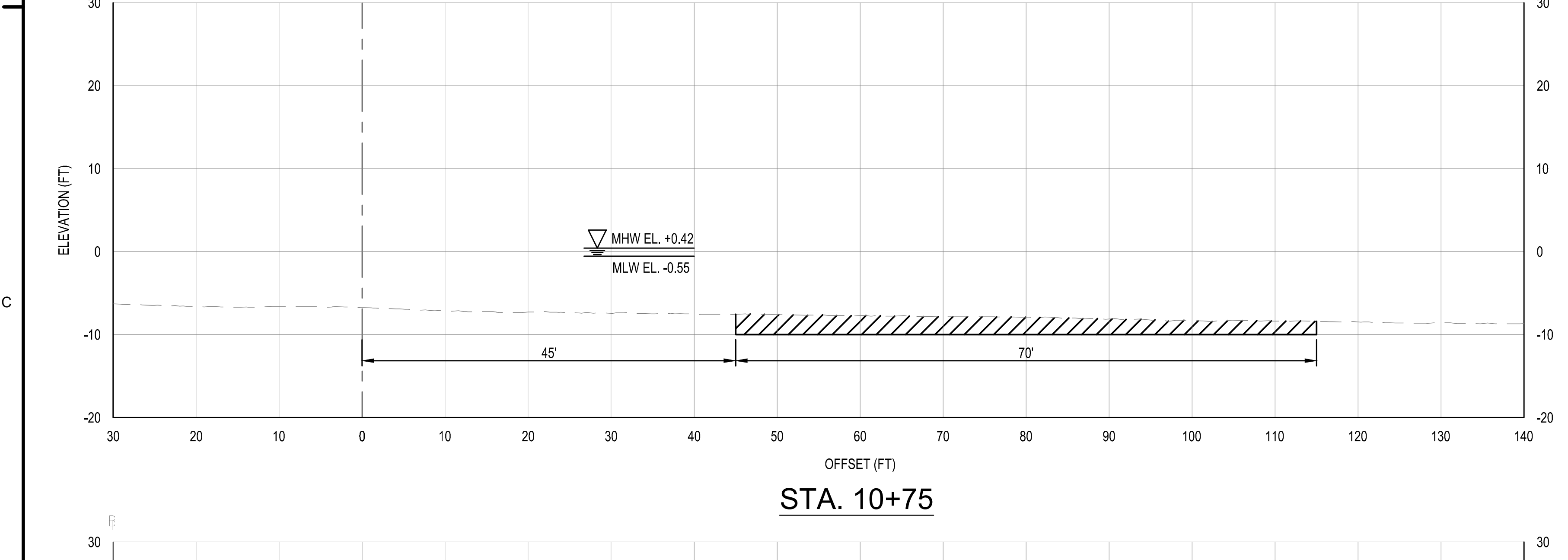
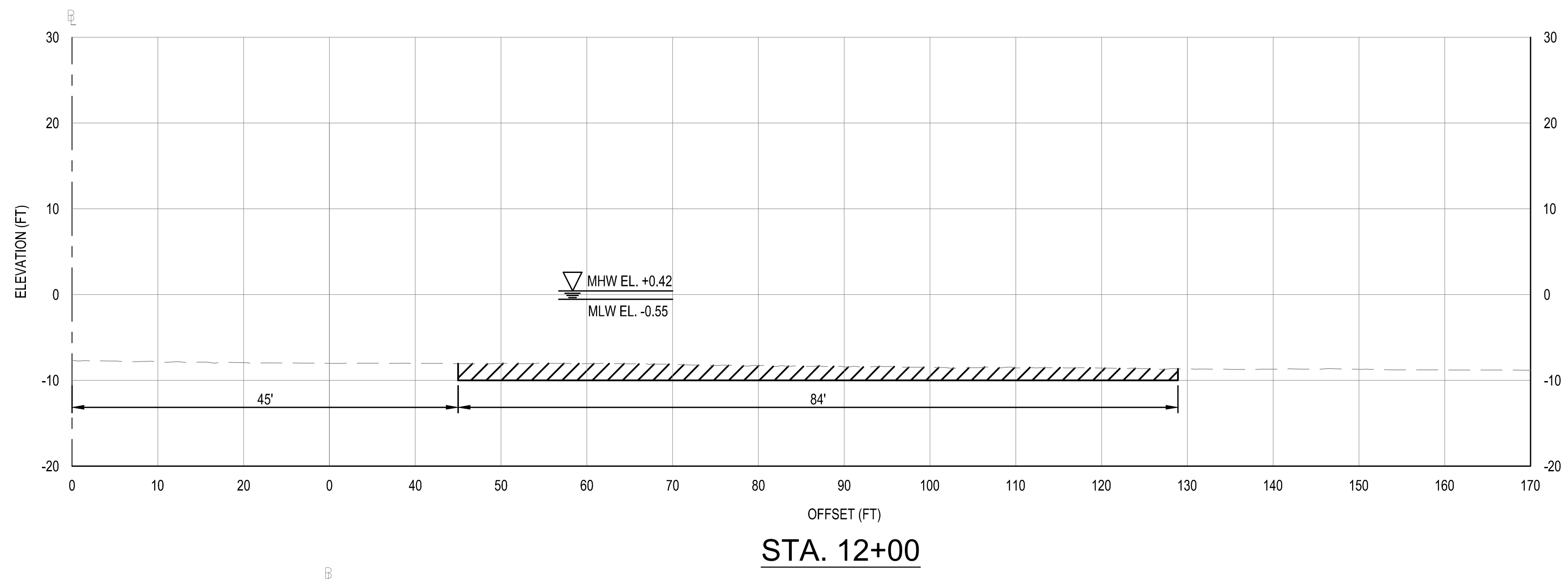
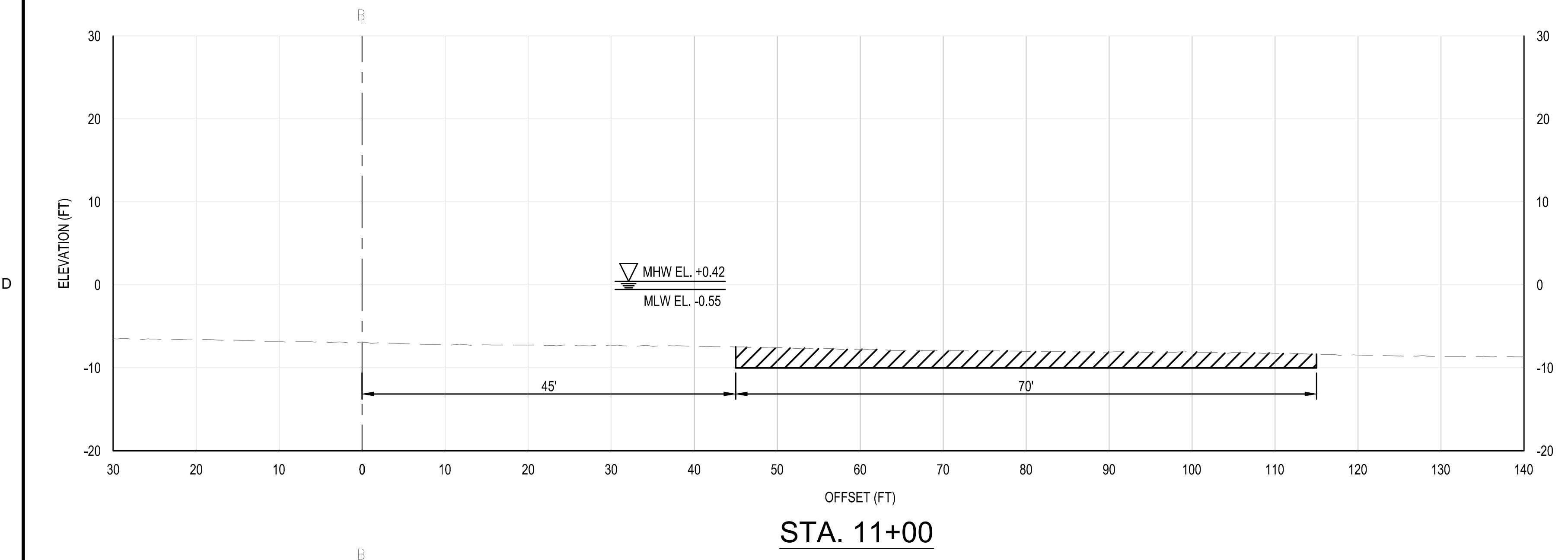


**STA. 9+25**

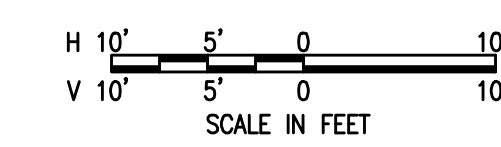
**NOTES:**

- SEE SHEET C-001 FOR GENERAL INFORMATION.
- SEE SHEET C-301 FOR TYPICAL SECTIONS.
- GEOTEXTILE EXTENTS ARE APPROXIMATED FROM OCT 2020 NAB USAGE SURVEYS AND MAY BE EXTENDED OR REVISED FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
- CAPSTONE TEMPLATE MAY BE REVISED FOLLOWING RECEIPT AND ACCEPTANCE OF PRE-CONSTRUCTION SURVEYS.
- SEE SHEET C-501 FOR GROUTING DETAILS.





NOTES:  
1. SEE SHEET C-001 FOR GENERAL INFORMATION.



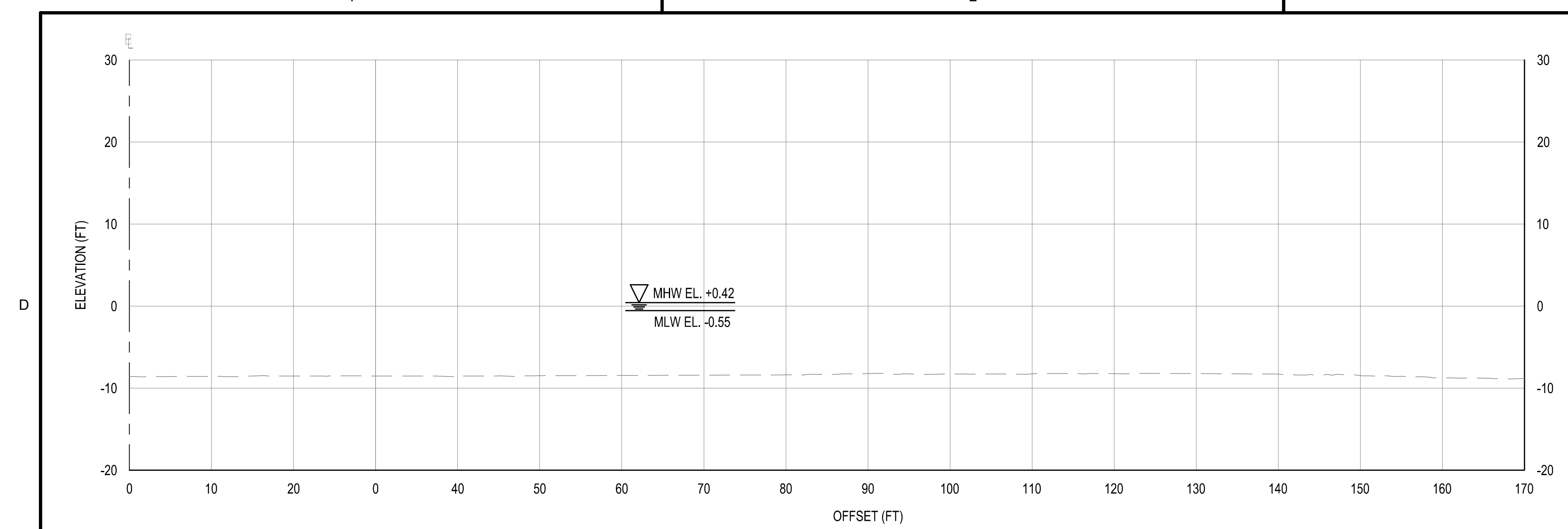
US ARMY CORPS OF ENGINEERS  
BALTIMORE DISTRICT

DATE	BY	DESCRIPTION

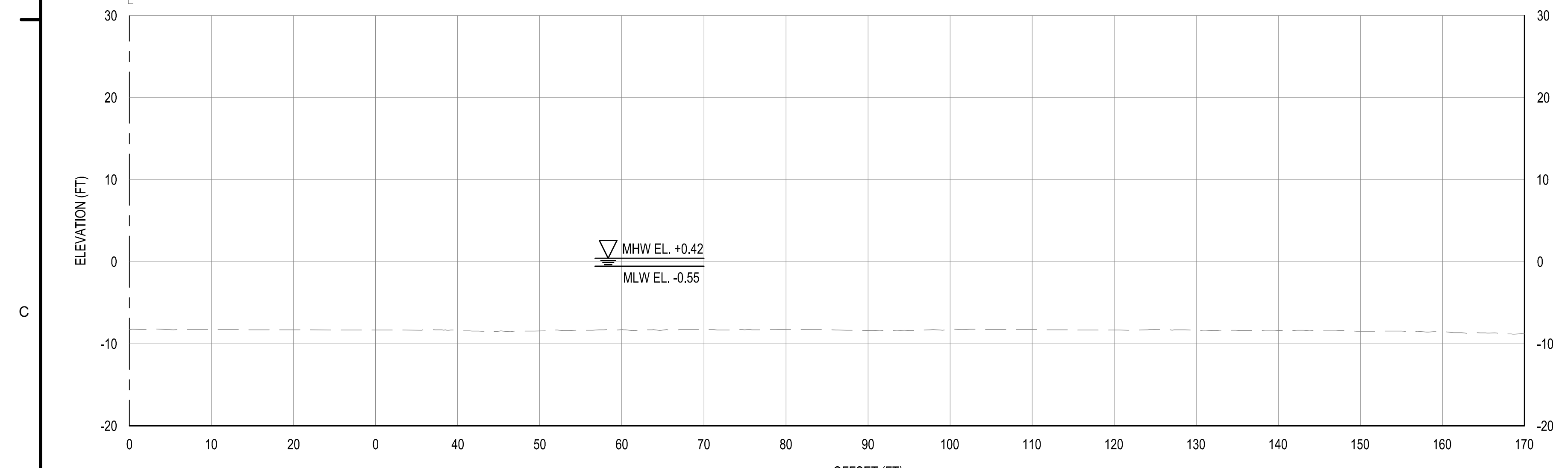
ISSUED/REVISIONAL DATE:	28 MARCH 2022
DRAWN BY:	REVIEWED BY:
PROJECT NUMBER:	CONTRACT NUMBER:
FILE NAME:	MARK ACTION:
DWG. SIZE:	CROSS SECTIONS STA. 10+25 TO STA. 12+00

U.S. ARMY CORPS OF ENGINEERS  
BALTIMORE DISTRICT  
PHILADELPHIA DISTRICT

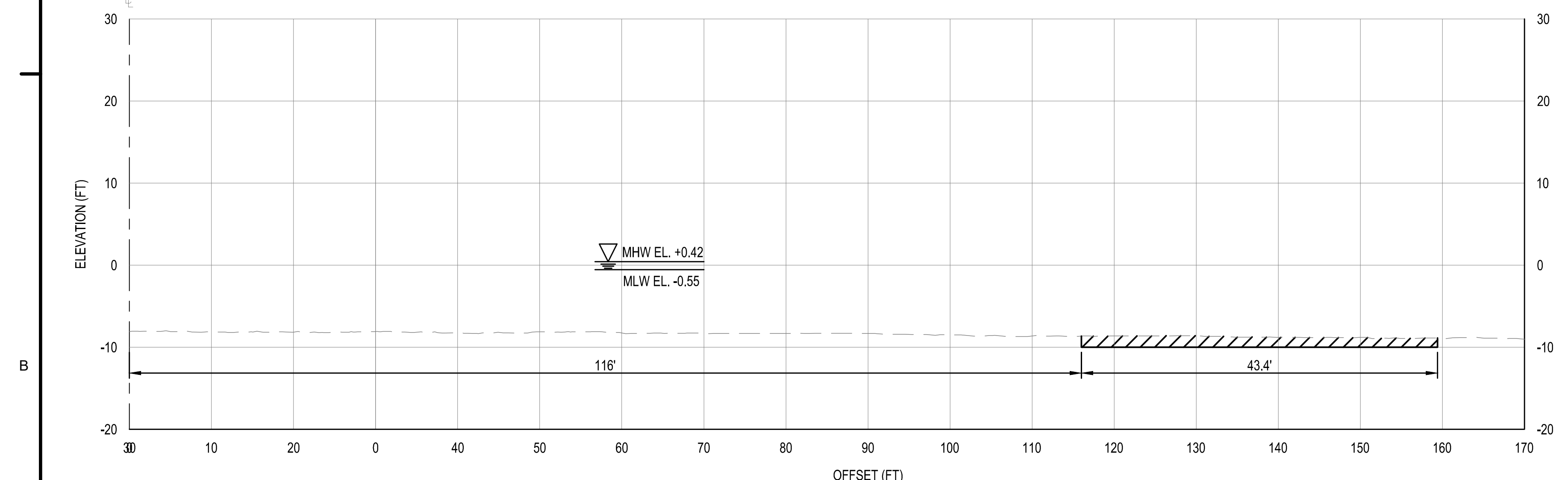
SHEET NUMBER



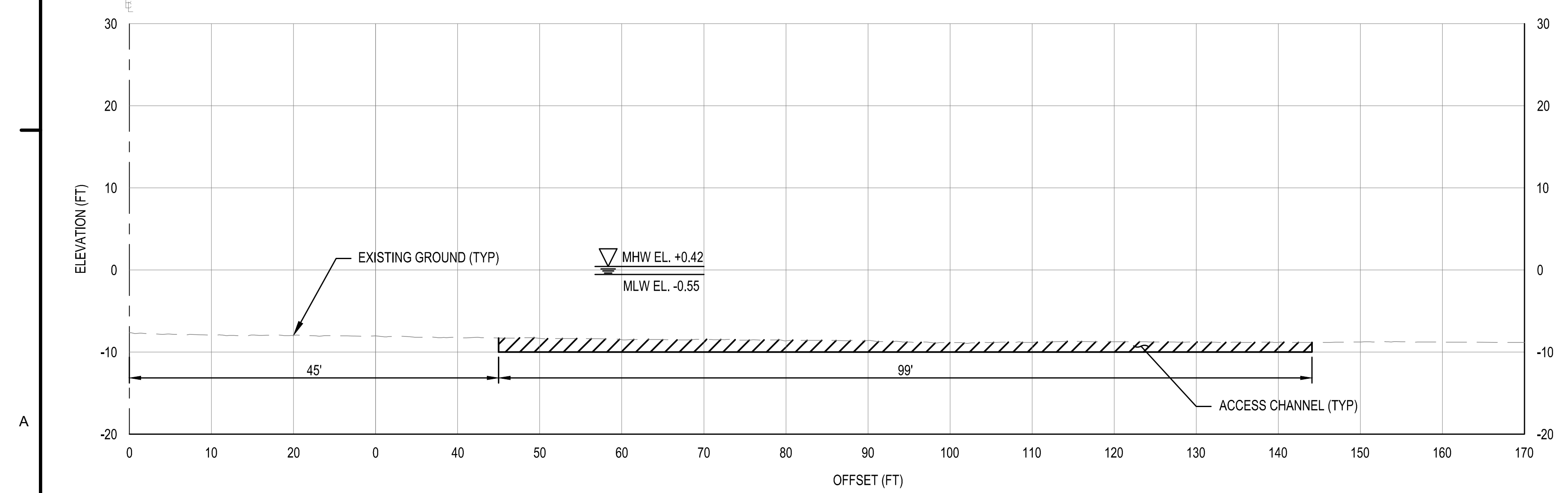
STA. 13+00



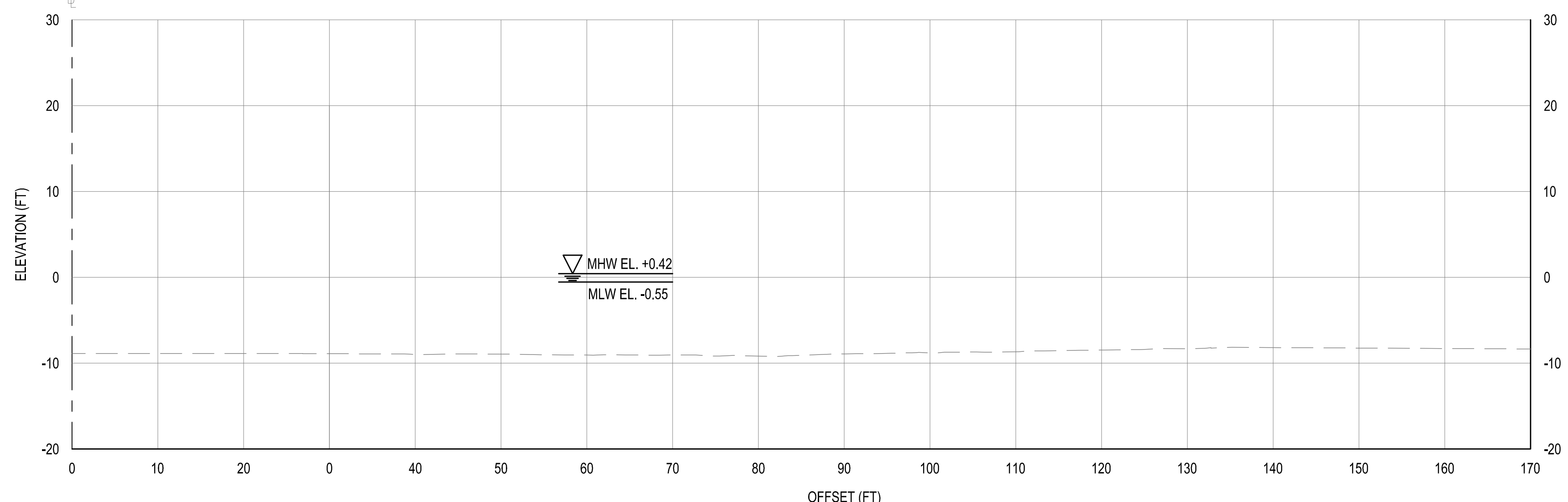
STA. 12+75



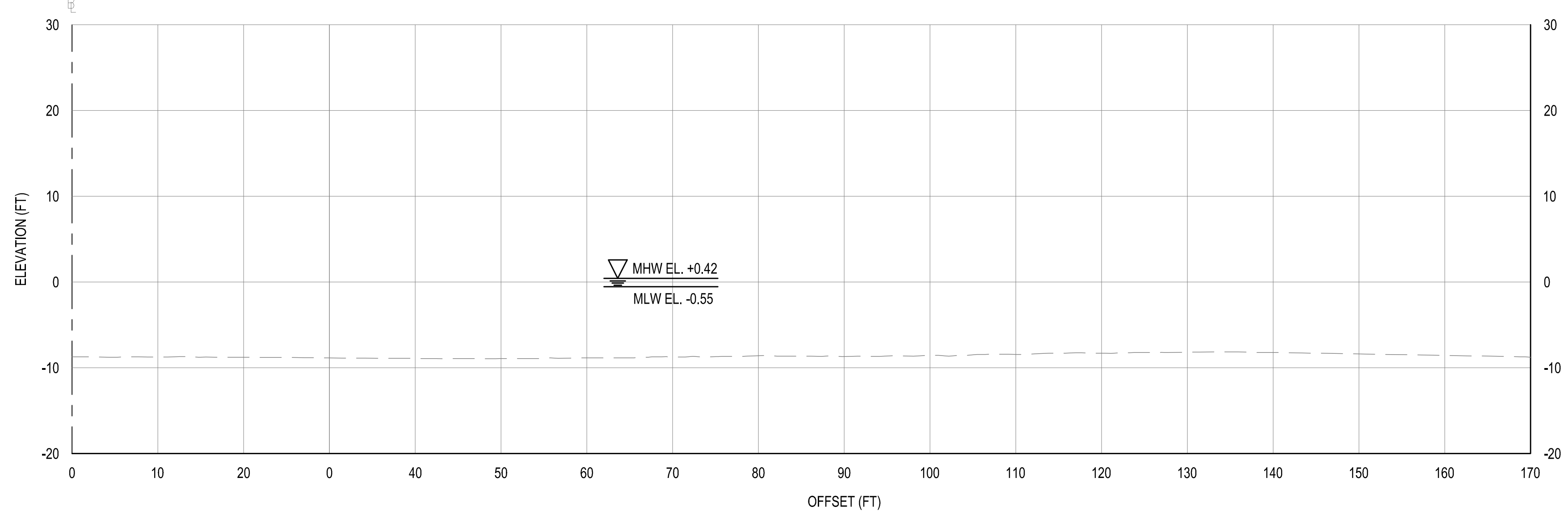
STA. 12+50



STA. 12+25



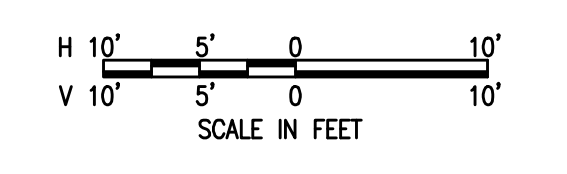
STA. 13+50



STA. 13+25

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.



US Army Corps of Engineers  
BALTIMORE DISTRICT

NO.	DATE	BY	DESCRIPTION

DESIGNED BY: 28 MARCH 2022	ISSUED/REVISION DATE: 28 MARCH 2022
DRAWN BY: [ ]	REVIEWED BY: [ ]
PROJECT NUMBER: [ ]	CONTRACT NUMBER: [ ]
PLOT SCALE: [ ]	FILE NAME: [ ]
DWG. SIZE: [ ]	DATE: [ ]
CROSS SECTIONS - STA. 12+25 TO STA. 13+50	

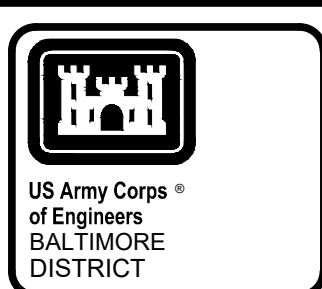
FISHING CREEK  
SOUTH LETTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
CROSS SECTIONS - STA. 12+25 TO STA. 13+50

SHEET NUMBER  
C-308



PLAN NORTH  
 **1** PLAN - CONFINED DISPOSAL FACILITY  
 SCALE IN FEET  


**NOTES:**  
 1. CONFINED DISPOSAL FACILITY INFORMATION WILL BE COVERED IN UPCOMING FISHING CREEK FEDERAL NAVIGATION CHANNEL MAINTENANCE DREDGING CONTRACT.



US Army Corps of Engineers  
 BALTIMORE DISTRICT

DESIGNED BY: [blank]  
 DRAWN BY: [blank]  
 CHECKED BY: [blank]  
 DATE: [blank]

ISSUED FOR: [blank]  
 26 MARCH 2022

CONTRACT NUMBER: [blank]

FILE NAME: [blank]  
 PLOT SCALE: [blank]

U.S. ARMY CORPS OF ENGINEERS  
 BALTIMORE DISTRICT

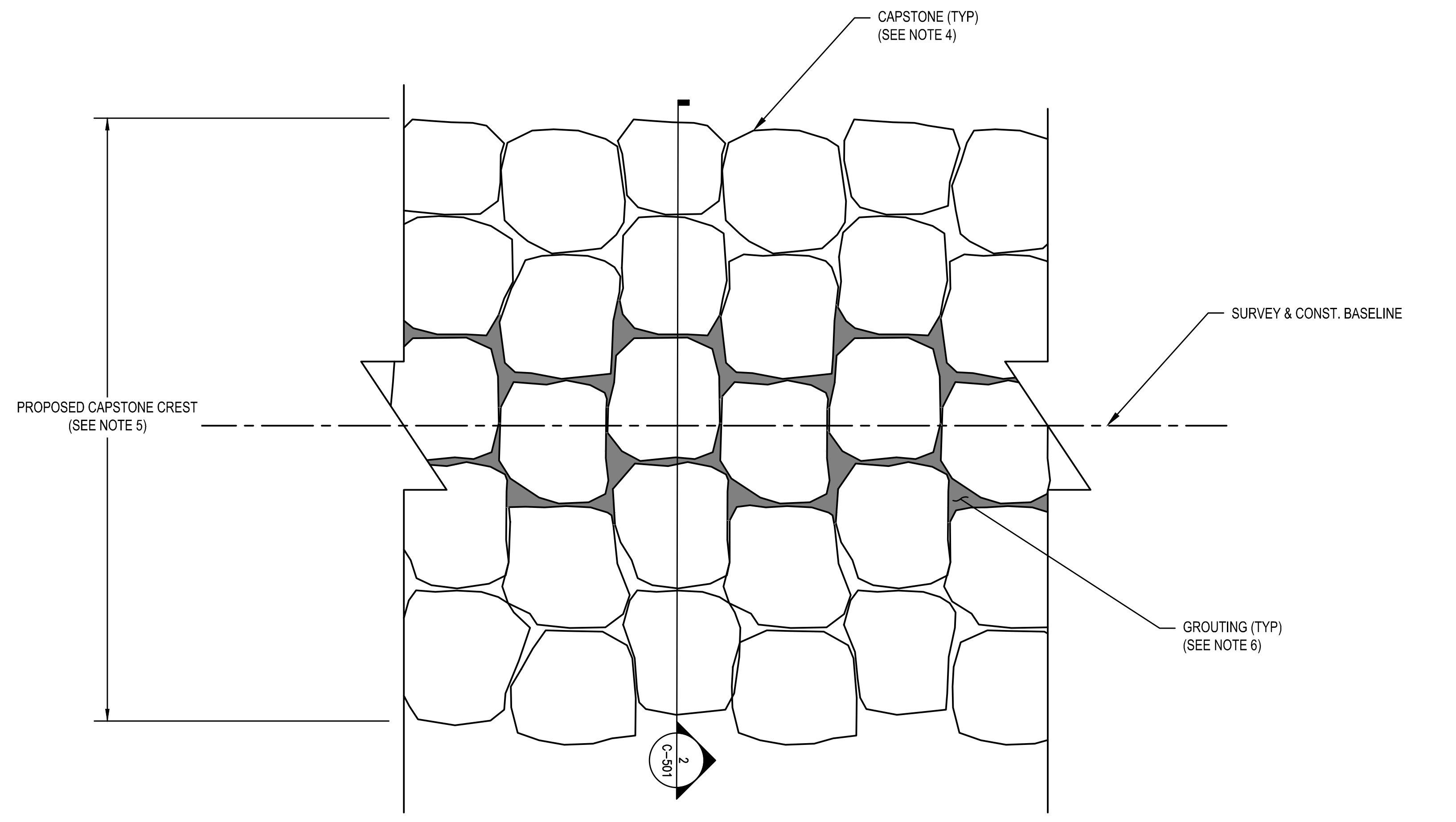
U.S. ARMY CORPS OF ENGINEERS  
 PHILADELPHIA DISTRICT

FISHING CREEK  
 SOUTH-LETTY REHABILITATION  
 CALVERT COUNTY  
 CHESAPEAKE BEACH, MARYLAND  
 PLAN - CONFINED DISPOSAL FACILITY

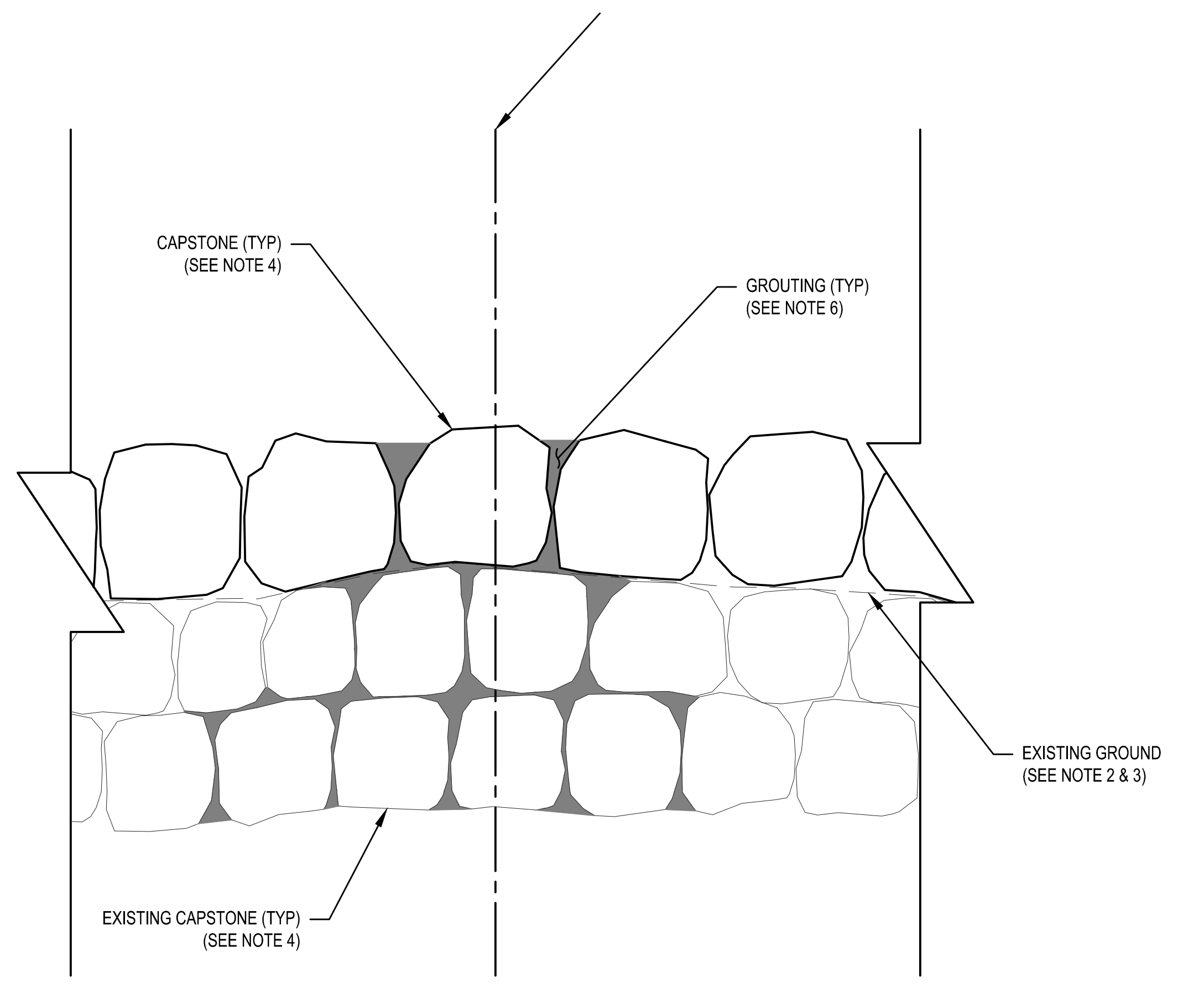
SHEET NUMBER  
**C-401**

MARK	ACTION	DESCRIPTION	DATE	BY

1 2 3 4 5



1 **DETAIL - GROUTING (STA. 0+25 TO 9+00)**  
NTS



2 **SECTION - GROUTING**  
NTS

**NOTES:**

1. SEE SHEET C-001 FOR GENERAL INFORMATION
2. SEE SHEET C-301 FOR TYPICAL SECTIONS
3. SEE SHEETS C-302 THROUGH C-308 FOR CROSS SECTIONS.
4. INDIVIDUAL CAPSTONES SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.
5. PROPOSED CAPSTONE SIDE SLOPES AND PROPOSED CAPSTONE TOE NOT SHOWN FOR CLARITY.
6. VOIDS BETWEEN PROPOSED CAPSTONES SHALL BE GROUTED THROUGHOUT TWO CONTINUOUS ROWS IN ACCORDANCE WITH SPECIFICATION SECTION 31.37.00. THE TWO ROWS WITHIN THE PROPOSED CAPSTONE LAYER, CLOSEST TO THE BASELINE, SHALL BE GROUTED. GROUT SHALL EXTEND INTO THE VOIDS OF THE EXISTING JETTY STONE. GROUTING SHALL ONLY OCCUR THROUGHOUT REPAIR AREAS 1 AND 2. NO GROUTING SHALL TAKE PLACE THROUGHOUT REPAIR AREA 3.

D  
C  
B  
A

1 2 3 4 5



NO.	DATE	BY	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	DESIGNED BY DAN TEB	ISSUED/REVISIONAL DATE 28 MARCH 2021
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	APPROVED BY DAN TEB	PROJECTION NUMBER 
FILE NAME DETAILS-GROUTING.dwg	CONTRACT NUMBER 	
	PILOT SCALE AS SHOWN	
	DWG. SIZE 11 X 17	

FISHING CREEK  
SOUTH JETTY REHABILITATION  
CALVERT COUNTY  
CHESAPEAKE BEACH, MARYLAND  
DETAILS - GROUTING

SHEET NUMBER  
**C-501**