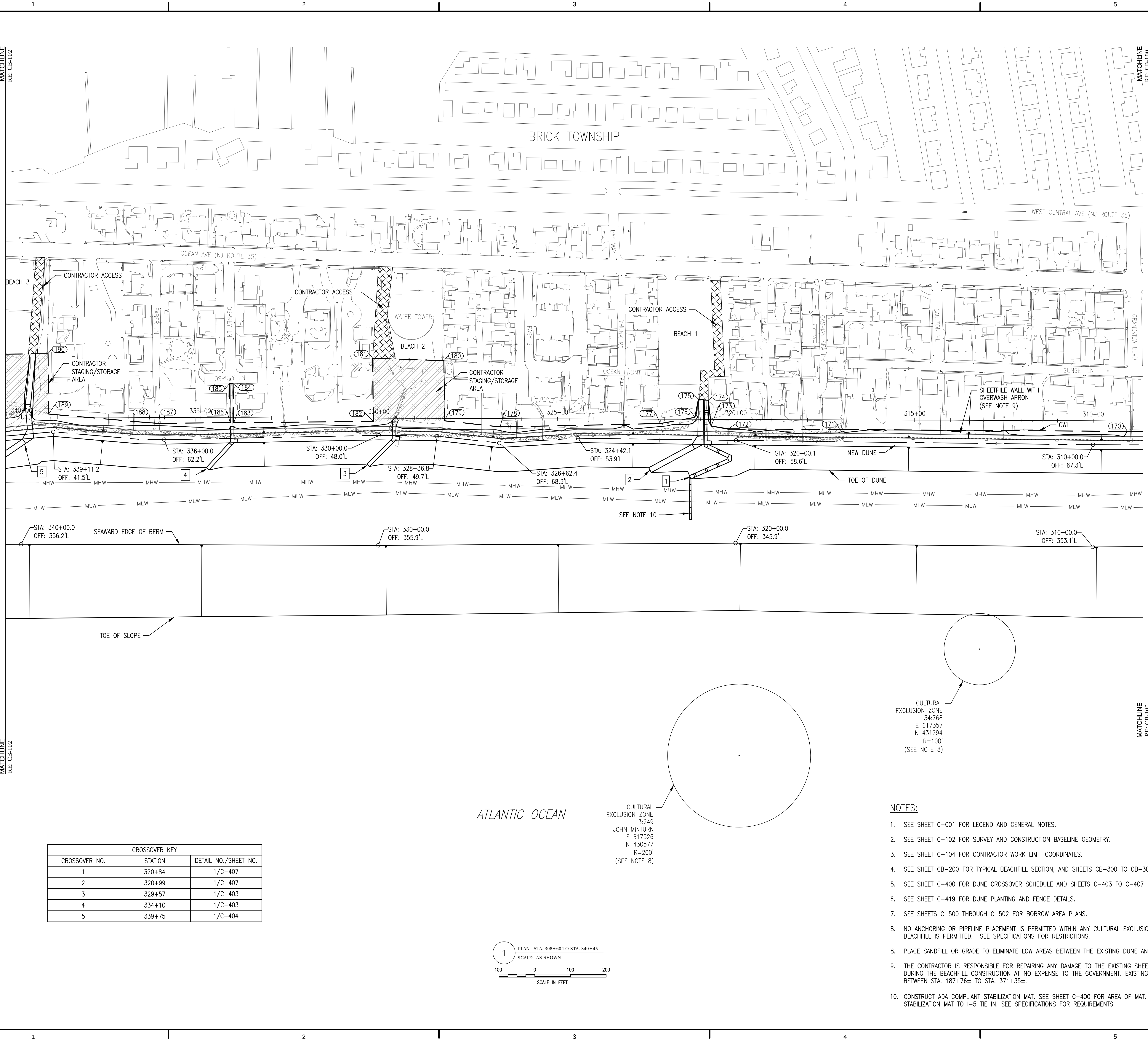
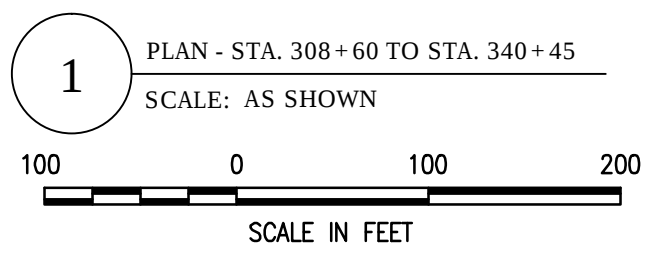


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|--|--|--|--|
| MANASQUIN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY | | SHEET NUMBER
CB-100 | |
| U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT
PHILADELPHIA, PA 19107-3399
www.usace.army.mil | | DESIGNED BY: 1005 ETABKOSKOV, D/FEB
ADD: 1005 ETABKOSKOV, D/FEB
DESIGNED BY: 1005 ETABKOSKOV, D/FEB
DAN: 1005 ETABKOSKOV, D/FEB | |
| DWG SCALE: 1"=100'
CONTRACT NUMBER: 35742Z N01 E1 | | FILE NAME: 35742Z N01 E1
DATE: 27/08/10 STA: 338-46 | |
| BEACHHILL
INITIAL CONSTRUCTION
PLAN+ STA. 277+58 TO STA. 338+60 | | | |



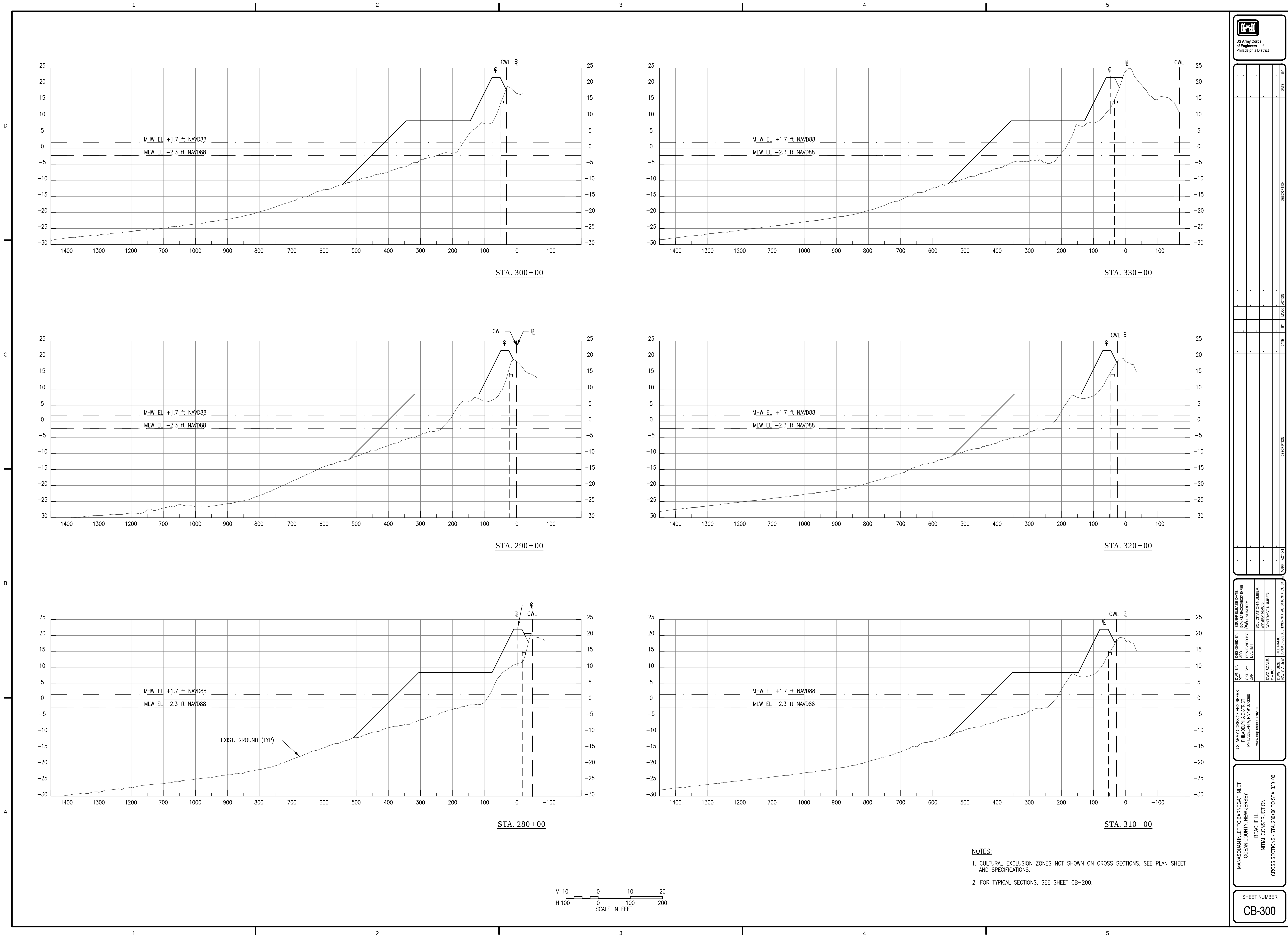
CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	320+84	1/C-407
2	320+99	1/C-407
3	329+57	1/C-403
4	334+10	1/C-403
5	339+75	1/C-404



- NOTES:**
1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
 3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
 4. SEE SHEET CB-200 FOR TYPICAL BEACHFILL SECTION, AND SHEETS CB-300 TO CB-301 FOR CROSS SECTIONS.
 5. SEE SHEET C-400 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-407 FOR PLANS OF CROSSOVERS.
 6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
 7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
 8. NO ANCHORING OR PIPELINE PLACEMENT IS PERMITTED WITHIN ANY CULTURAL EXCLUSION ZONES. ONLY PLACEMENT OF BEACHFILL IS PERMITTED. SEE SPECIFICATIONS FOR RESTRICTIONS.
 8. PLACE SANDFILL OR GRADE TO ELIMINATE LOW AREAS BETWEEN THE EXISTING DUNE AND THE DUNE TEMPLATE.
 9. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE EXISTING SHEETPILE WALL THAT OCCURS DURING THE BEACHFILL CONSTRUCTION AT NO EXPENSE TO THE GOVERNMENT. EXISTING SHEETPILE WALL IS LOCATED BETWEEN STA. 187+76± TO STA. 371+35±.
 10. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-400 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT TO 1-5 TIE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.

[illegible]





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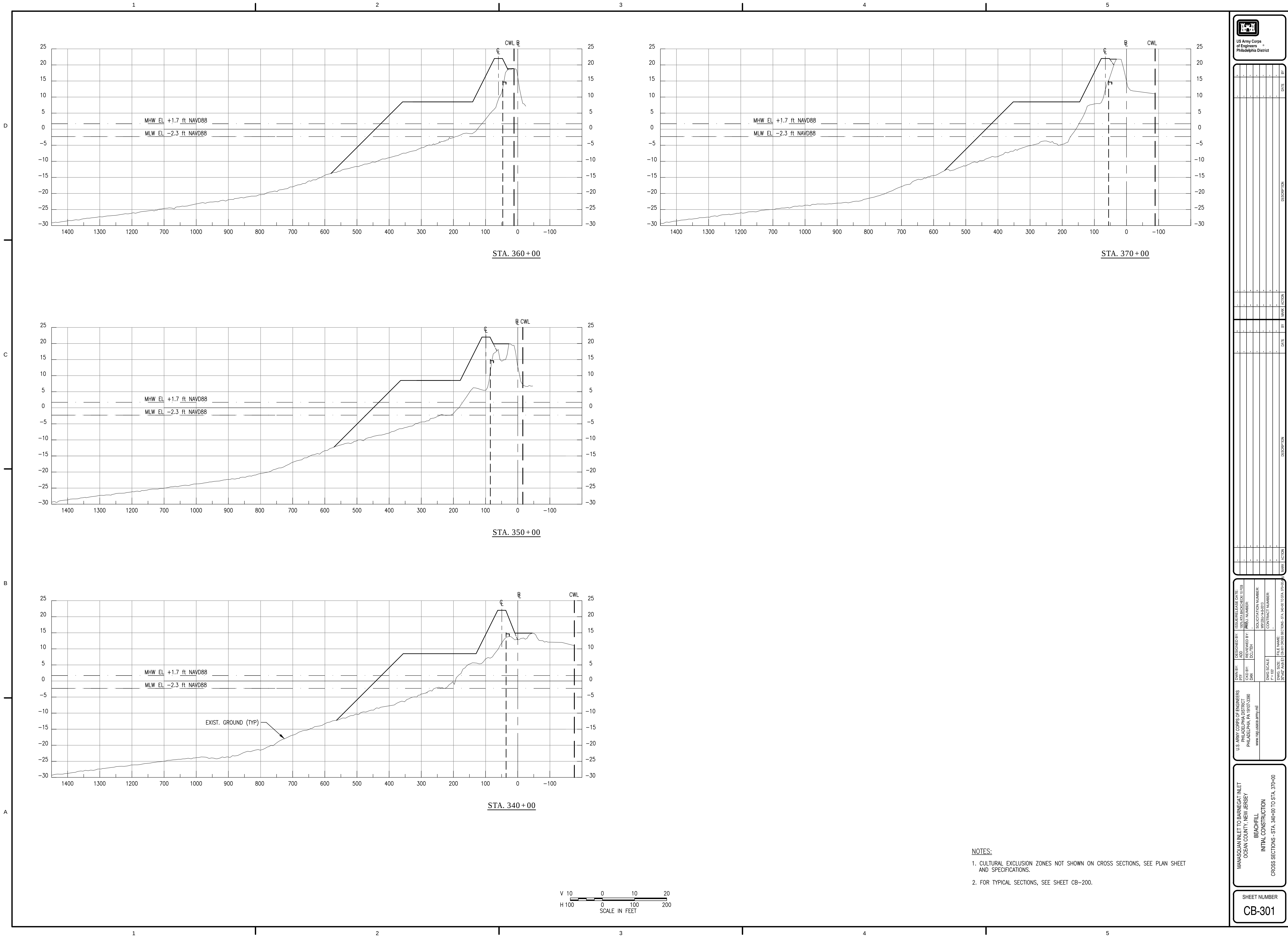
MANASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY

BEACHFILL
INITIAL CONSTRUCTION

CROSS SECTIONS - STA. 280+00 TO STA. 330+00

SHEET NUMBER

CB-300



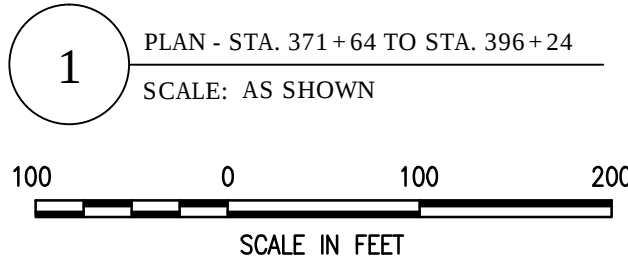
MATCHLINE
RE: CTN-101

MATCHLINE
RE: CTN-101



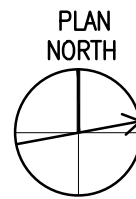
CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	372+61	2/C-402
2	375+21	2/C-402
3	377+60	2/C-402
4	380+10	2/C-402
5	382+70	2/C-402
6	389+89	2/C-402
7	391+51	2/C-402
8	393+17	2/C-402
9	395+95	2/C-402

OPTION CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
A	387+35	2/C-402
B	394+64	2/C-402



NOTES:

- SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
- SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
- SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
- SEE SHEET CTN-200 FOR TYPICAL BEACHFILL SECTIONS, AND SHEETS CTN-300 TO CTN-301 FOR CROSS SECTIONS.
- SEE SHEETS C-400 AND C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-402 FOR PLANS OF CROSSOVERS.
- SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
- SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.



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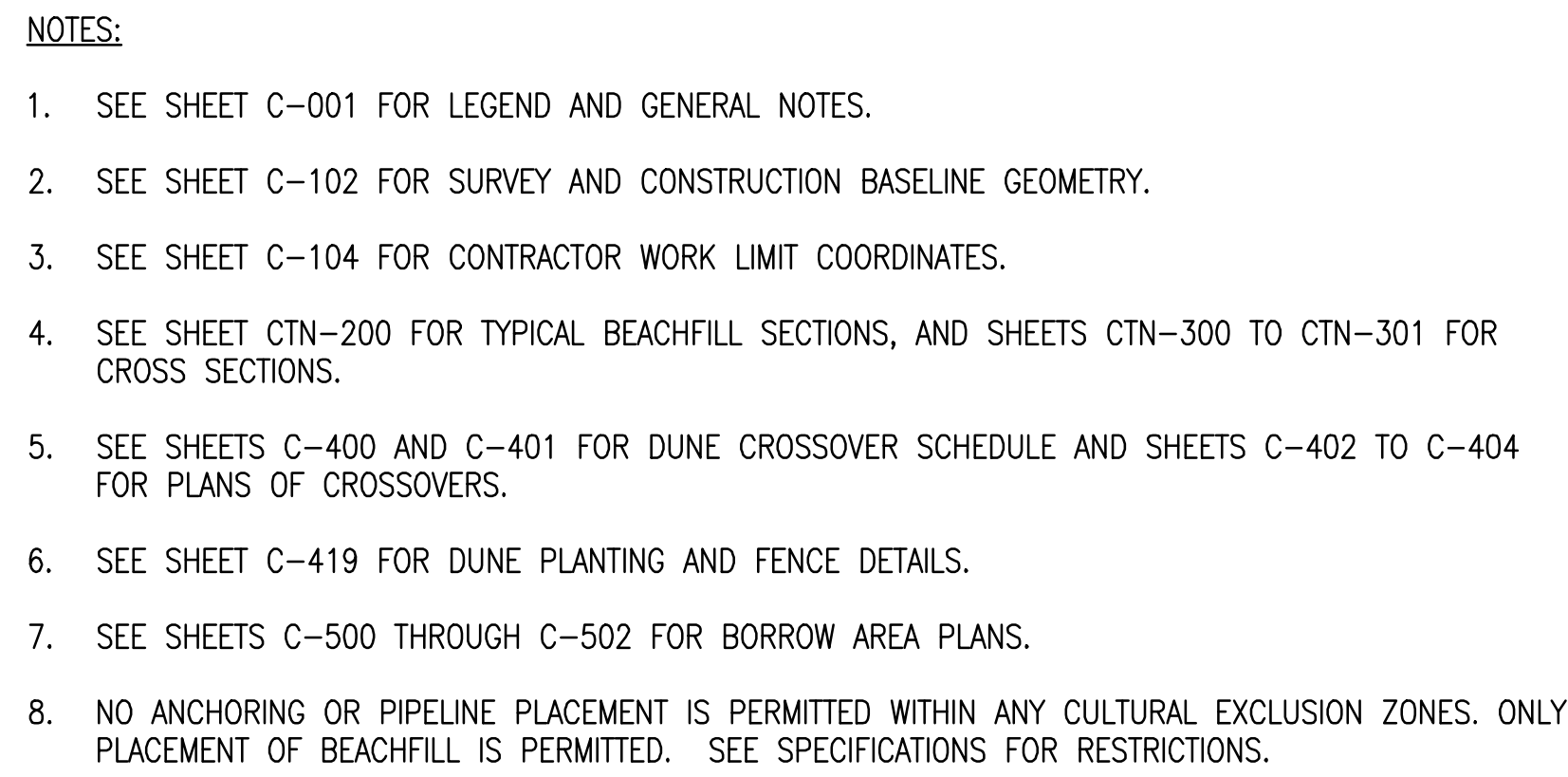
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FILE NAME: [blank]
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DWG. SCALE: [blank]

MANASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY
BEACHFILL
INITIAL CONSTRUCTION
PLAN - STA. 371+64 TO STA. 396+24

SHEET NUMBER
CTN-100



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C
B
A

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MATCHLINE
RE: CTN-100

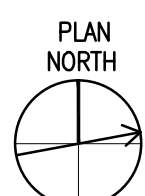
BOROUGH OF LAVALLETTE
TOMS RIVER TOWNSHIP (NORTH)

MATCHLINE
RE: CL-100

TOMS RIVER TOWNSHIP (NORTH)

MATCHLINE
RE: CTN-101

MATCHLINE
RE: CTN-101



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U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT
PHILADELPHIA, PA 19107-3380
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MANASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY
BEACH-FILL
INITIAL CONSTRUCTION
PLAN - STA. 423+76 TO STA. 449+81

SHEET NUMBER
CTN-102

CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	433+44	2/C-402
2	436+30	2/C-402
3	441+05	3/C-407

OPTION CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
A	425+65	2/C-402
B	429+03	2/C-402
C	430+60	2/C-402
D	438+82	2/C-402
E	443+19	2/C-402
F	444+25	2/C-402
G	445+71	2/C-402
H	446+72	4/C-407
I	448+43	2/C-402

1 PLAN - STA. 423+76 TO STA. 449+81
SCALE: AS SHOWN



NOTES:

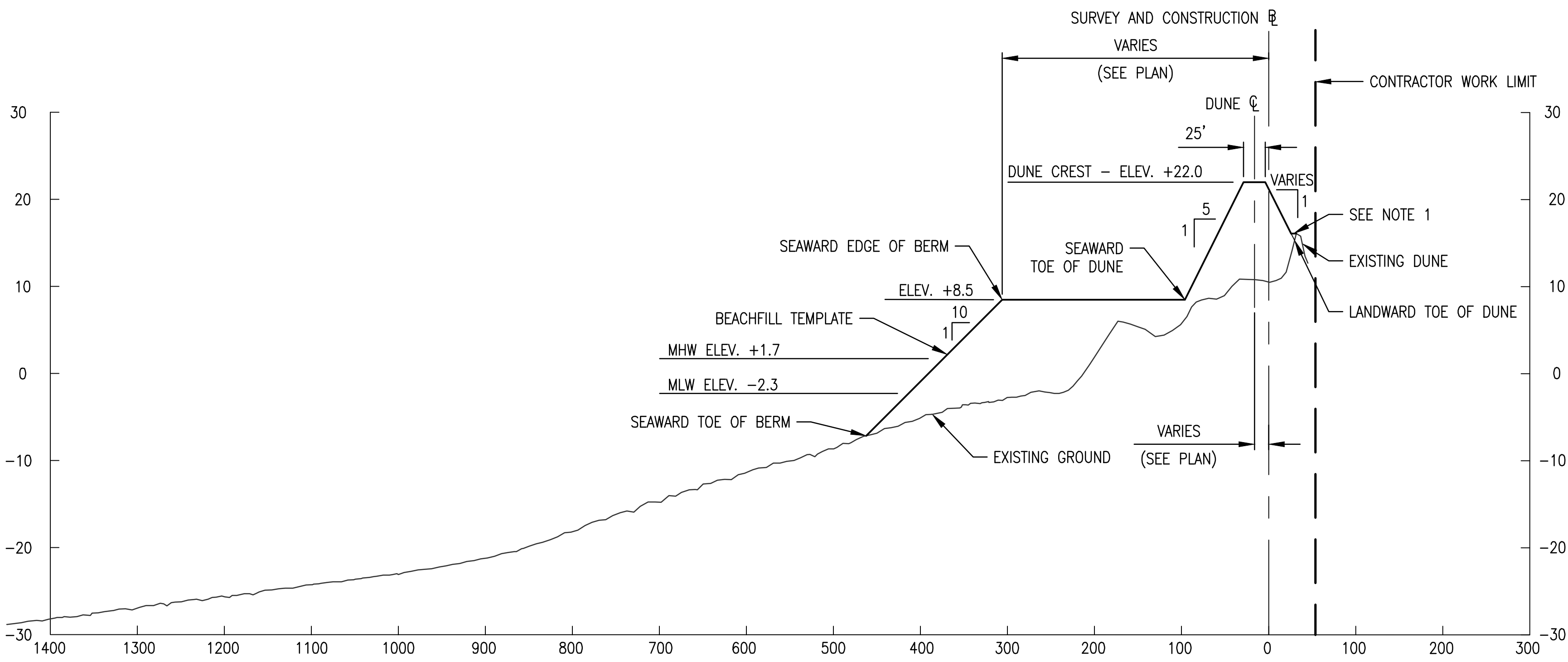
- SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
- SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
- SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
- SEE SHEET CTN-200 FOR TYPICAL BEACHFILL SECTIONS, AND SHEETS CTN-300 TO CTN-301 FOR CROSS SECTIONS.
- SEE SHEETS C-400 AND C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-402 TO C-407 FOR PLANS OF CROSSOVERS.
- SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
- SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
- CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-400 AND C-401 FOR AREA OF MAT. SEE SPECIFICATIONS FOR REQUIREMENTS.

D

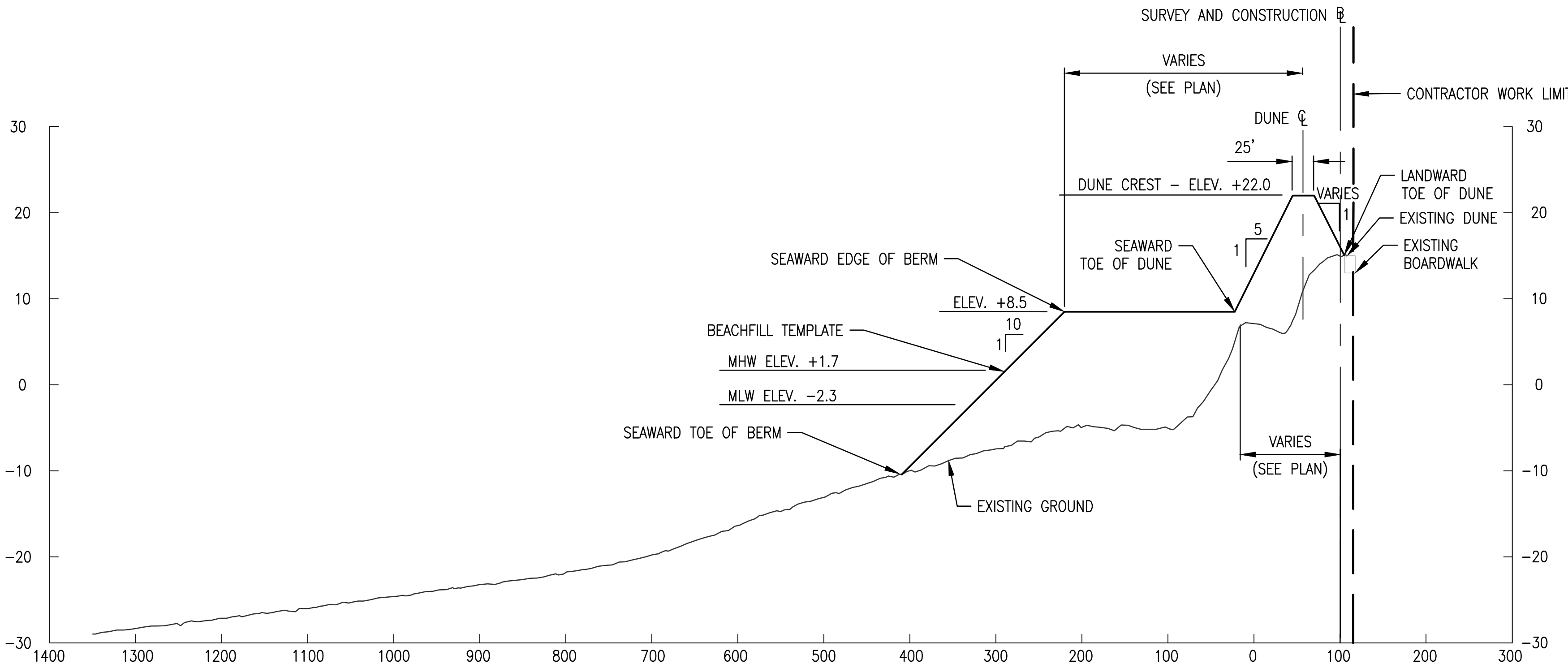
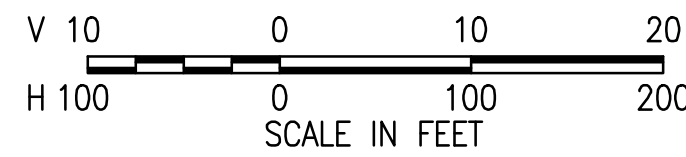
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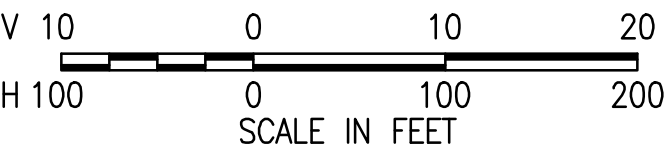
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1 TYPICAL SECTION - STA. 371+64 TO STA. 398+11 AND STA. 404+06 TO STA. 449+81
SCALE: AS SHOWN



2 TYPICAL SECTION - STA. 398+11 TO STA. 404+06
SCALE: AS SHOWN



- NOTES:
1. PLACE SANDFILL TO ELIMINATE LOW AREAS BETWEEN THE EXISTING DUNE AND THE DUNE TEMPLATE OR GRADE EXISTING SAND INTO DUNE TEMPLATE. GRADING BEYOND THE CONTRACTOR WORK LIMIT (CWL) IS NOT PERMITTED.
 2. FOR BEACHFILL PLACEMENT AND PAYMENT TOLERANCES, SEE CONTRACT SPECIFICATIONS.

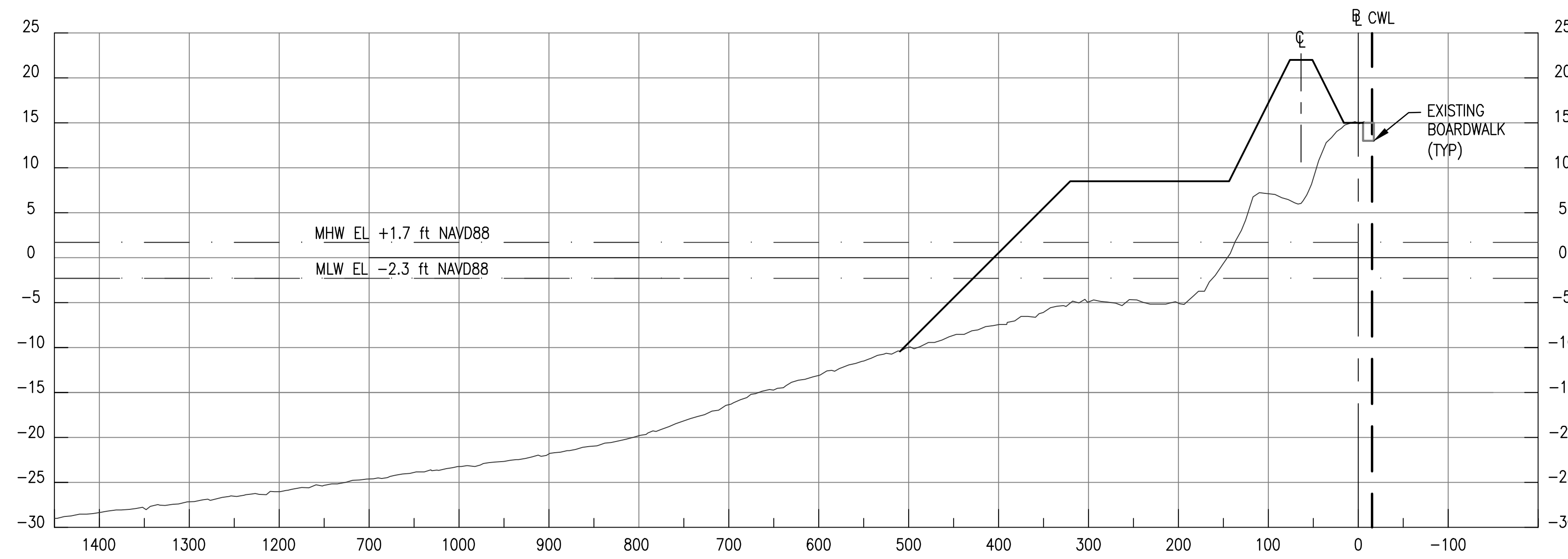
US Army Corps of Engineers
Philadelphia District

DESIGNED BY	ISSUED/RELEASE DATE	DATE	BY	DATE
DWG BY	WORKS/BACKSHEET DATED			
DWG CHECKED BY	PROJECT NUMBER			
DWG SCALE	SOLICITATION NUMBER			
DWG SIZE	CONTRACT NUMBER			
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FILE NAME:				
DESCRIPTION				

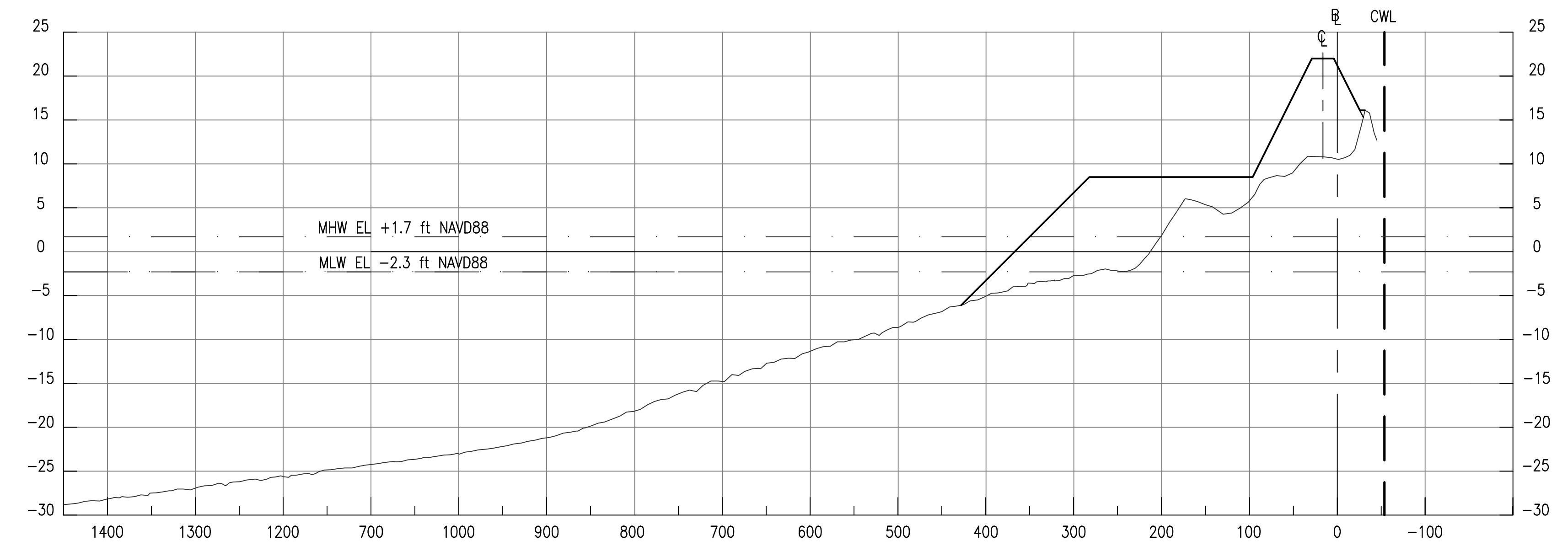
MANASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY

BEACHFILL
INITIAL CONSTRUCTION
TYPICAL SECTIONS - BEACHFILL

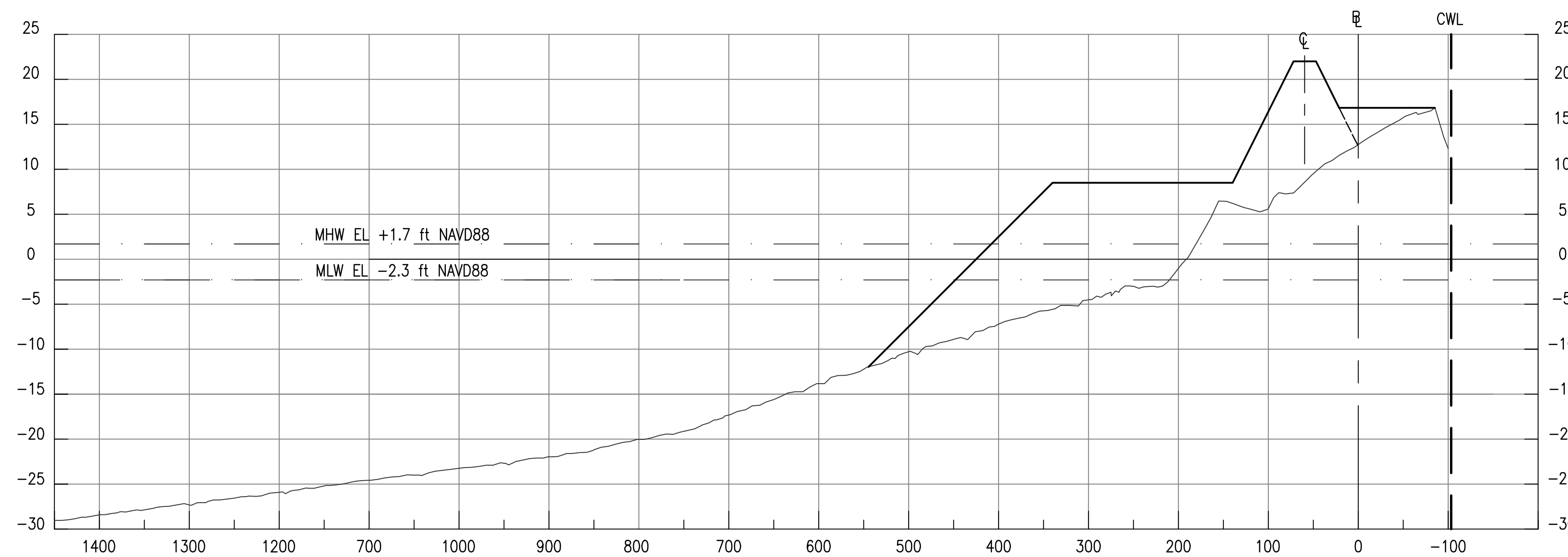
SHEET NUMBER
CTN-200



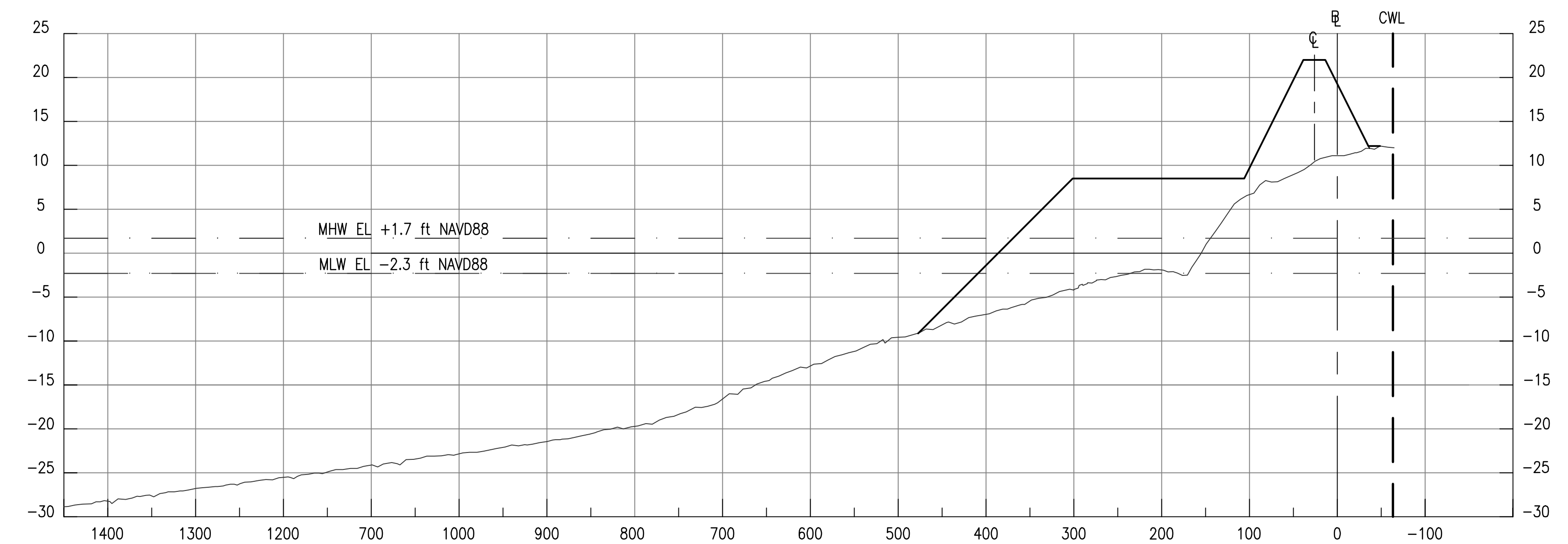
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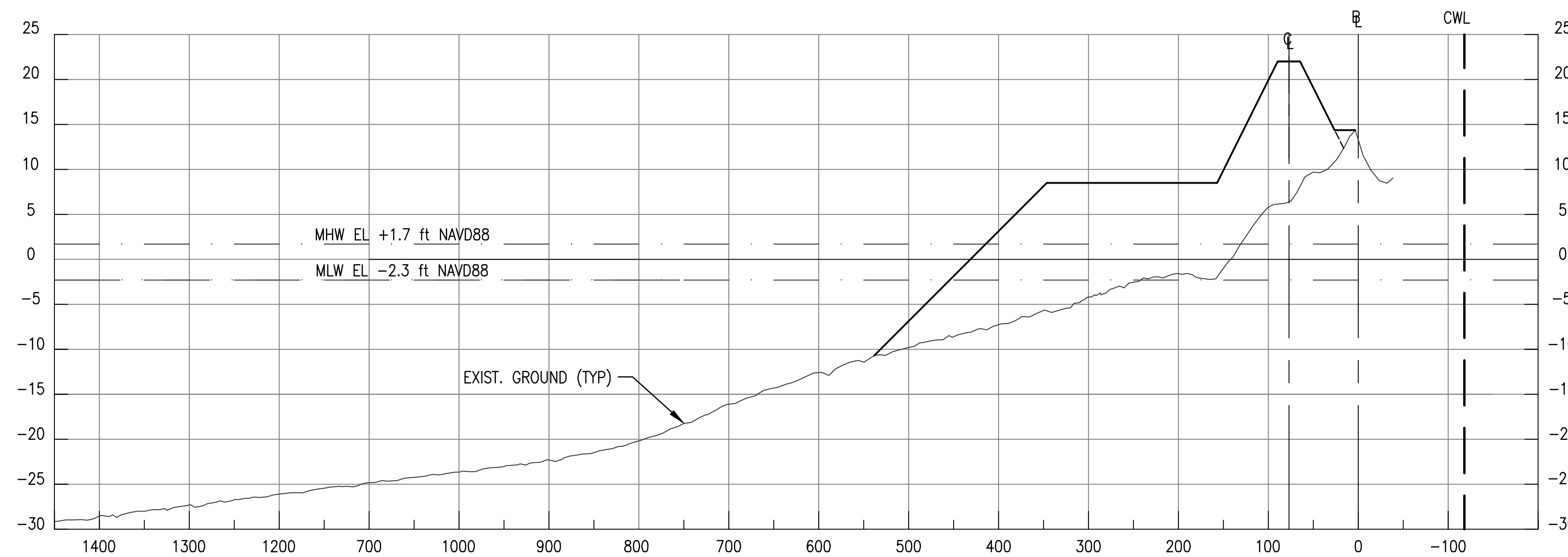
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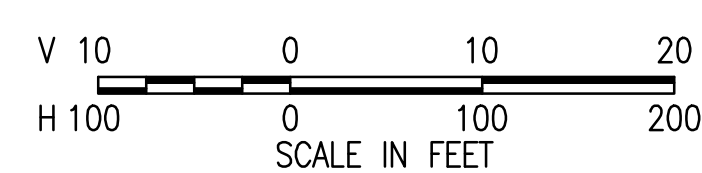
STA. 390 + 00



STA. 410+00



STA. 380+00



NOTES:

1. CULTURAL EXCLUSION ZONES NOT SHOWN ON CROSS SECTIONS, SEE PLAN SHEET AND SPECIFICATIONS.

2. FOR TYPICAL SECTIONS, SEE SHEET CTN-200.



US Army Corps
of Engineers ®
Philadelphia District

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TION
TO STA. 420+

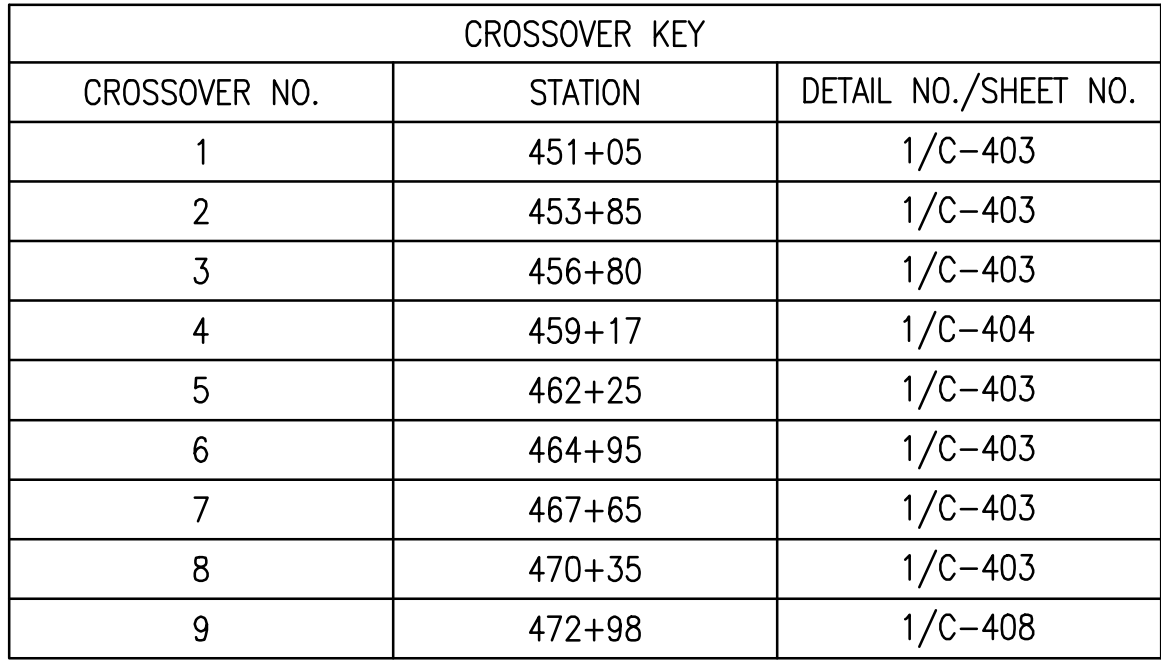
BEACHFILL
ALL CONSTRUCT

MANASQUAN
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CROSS SECTION

CR

SHEET NUMBER

CTN-300



1 PLAN - STA. 449+81 TO STA. 475+06
SCALE: AS SHOWN

100 0 100 200
SCALE IN FEET

- NOTES:**
1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
 3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
 4. SEE SHEET CL-200 FOR TYPICAL BEACHFILL SECTIONS, AND SHEETS CL-300 TO CL-301 FOR CROSS SECTIONS.
 5. SEE SHEET C-400 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-402 TO C-408 FOR PLANS OF CROSSOVERS.
 6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
 7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
 8. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE REMARKS ON SHEET C-400 AND C-401 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT 1-5 TIE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.
 9. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FEATURES THAT ARE LANDWARD OF THE BOARDWALK THAT OCCURS DURING THE BEACHFILL CONSTRUCTION AT NO EXPENSE TO THE GOVERNMENT.



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Philadelphia District

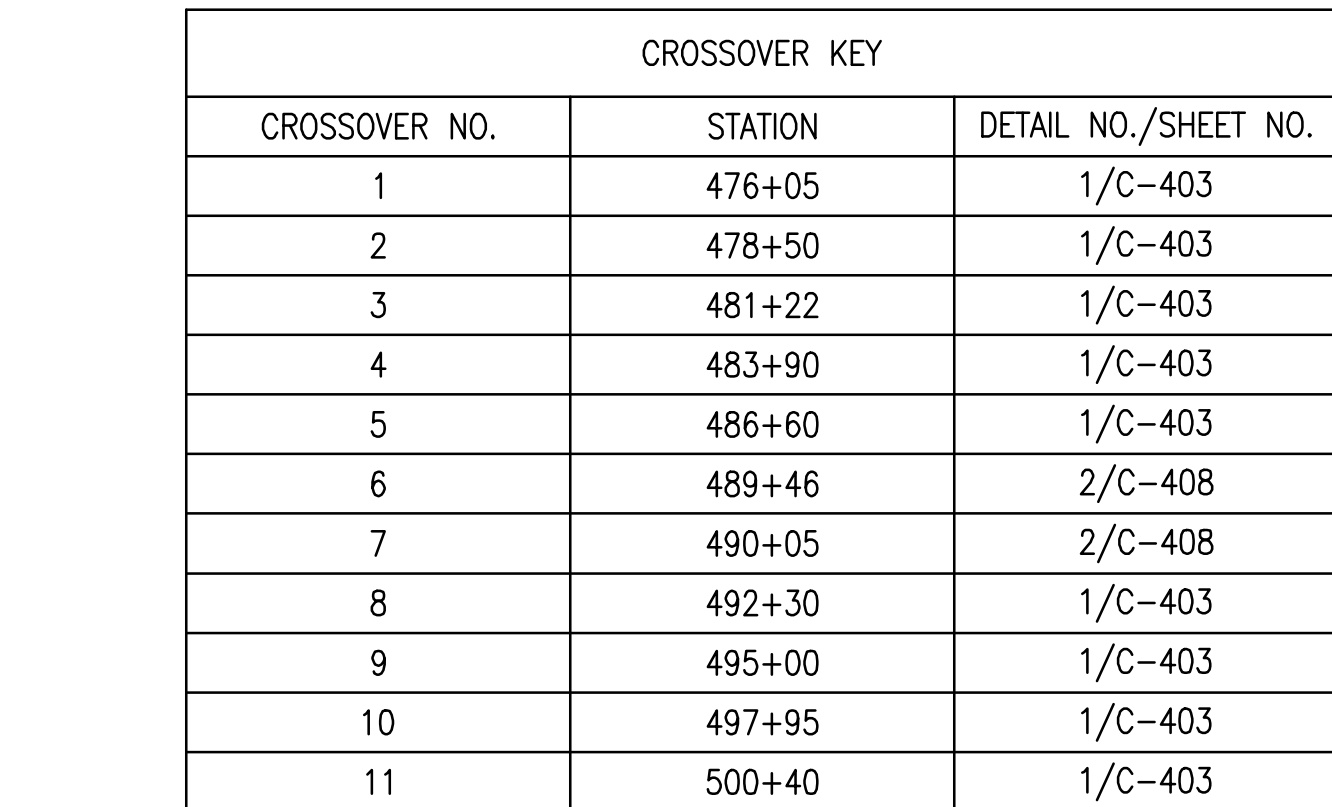
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UNASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY

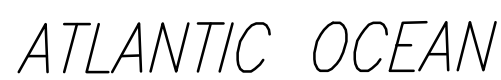
BEACHFILL
INITIAL CONSTRUCTION

PLAN - STA. 449+81 TO STA. 475+06

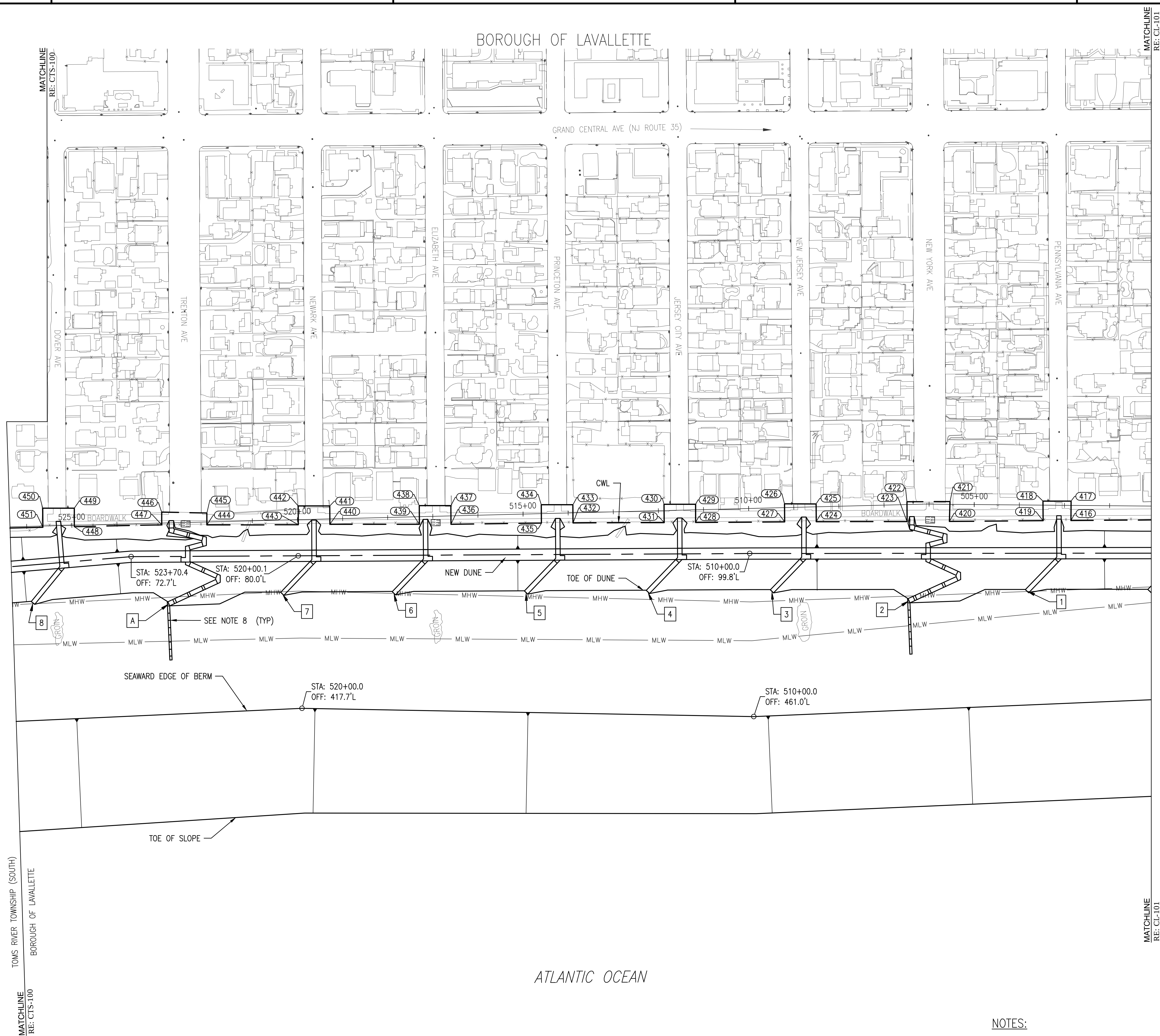
SHEET NUMBER
CL-100



CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	476+05	1/C-403
2	478+50	1/C-403
3	481+22	1/C-403
4	483+90	1/C-403
5	486+60	1/C-403
6	489+46	2/C-408
7	490+05	2/C-408
8	492+30	1/C-403
9	495+00	1/C-403
10	497+95	1/C-403
11	500+40	1/C-403

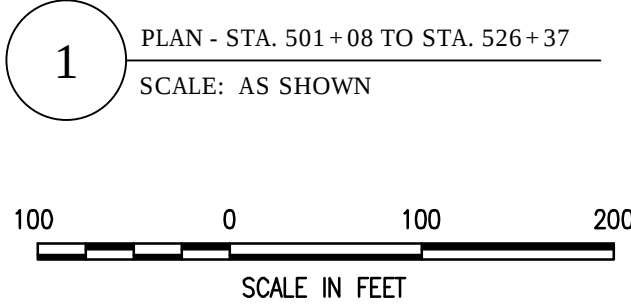


- ### NOTES:
1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
 3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
 4. SEE SHEET CL-200 FOR TYPICAL BEACHFILL SECTION, AND SHEETS CL-300 TO CL-301 FOR CROSS SECTIONS.
 5. SEE SHEET C-400 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-402 TO C-408 FOR PLANS OF CROSSOVERS.
 6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
 7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
 8. NO ANCHORING OR PIPELINE PLACEMENT IS PERMITTED WITHIN ANY CULTURAL EXCLUSION ZONES. ONLY PLACEMENT OF BEACHFILL IS PERMITTED. SEE SPECIFICATIONS FOR RESTRICTIONS.
 9. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-400 AND C-401 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT TO 1-5 TIE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.
 10. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FEATURES THAT ARE LANDWARD OF THE BOARDWALK THAT OCCURS DURING THE BEACHFILL CONSTRUCTION AT NO EXPENSE TO THE GOVERNMENT.



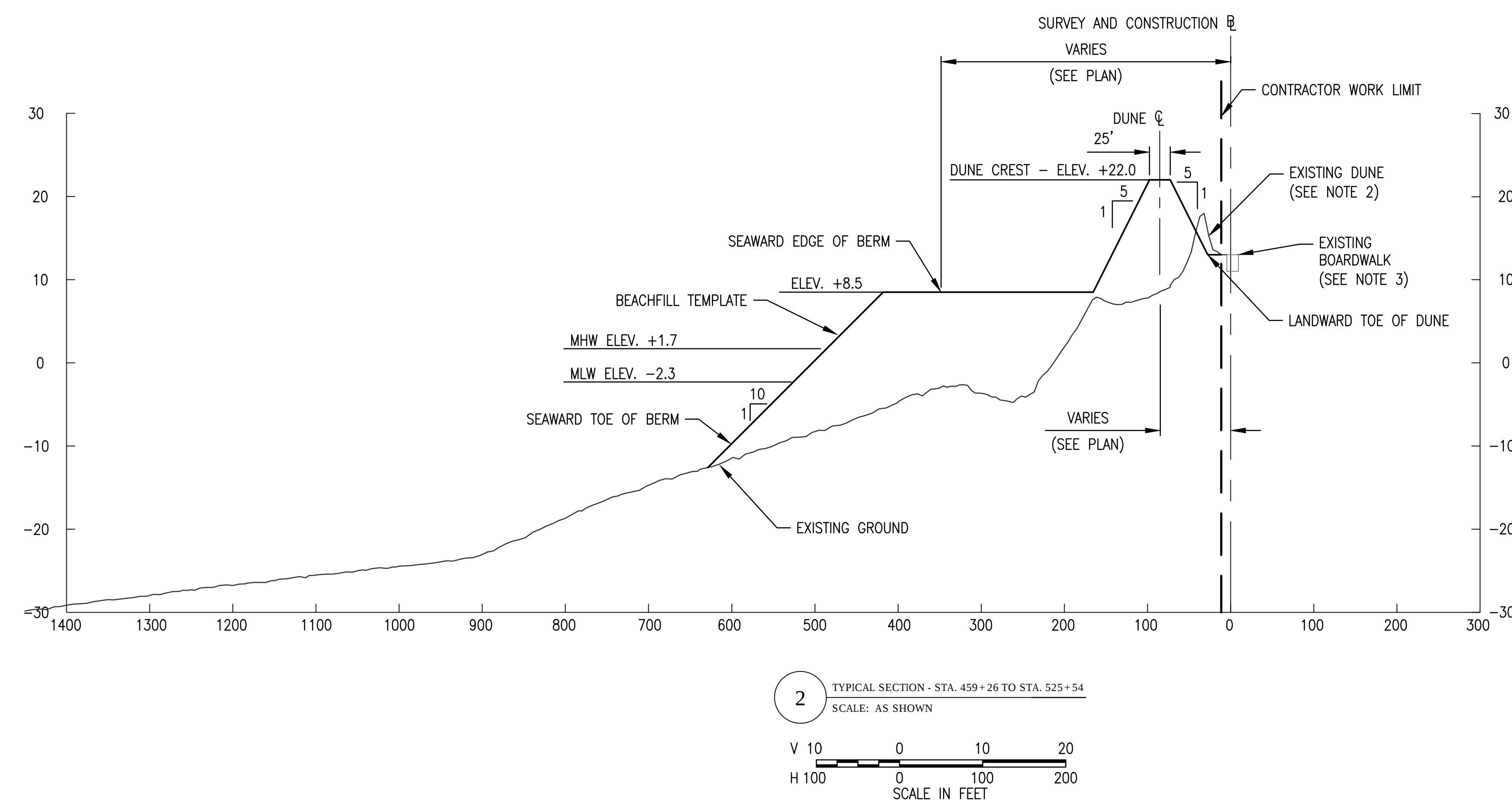
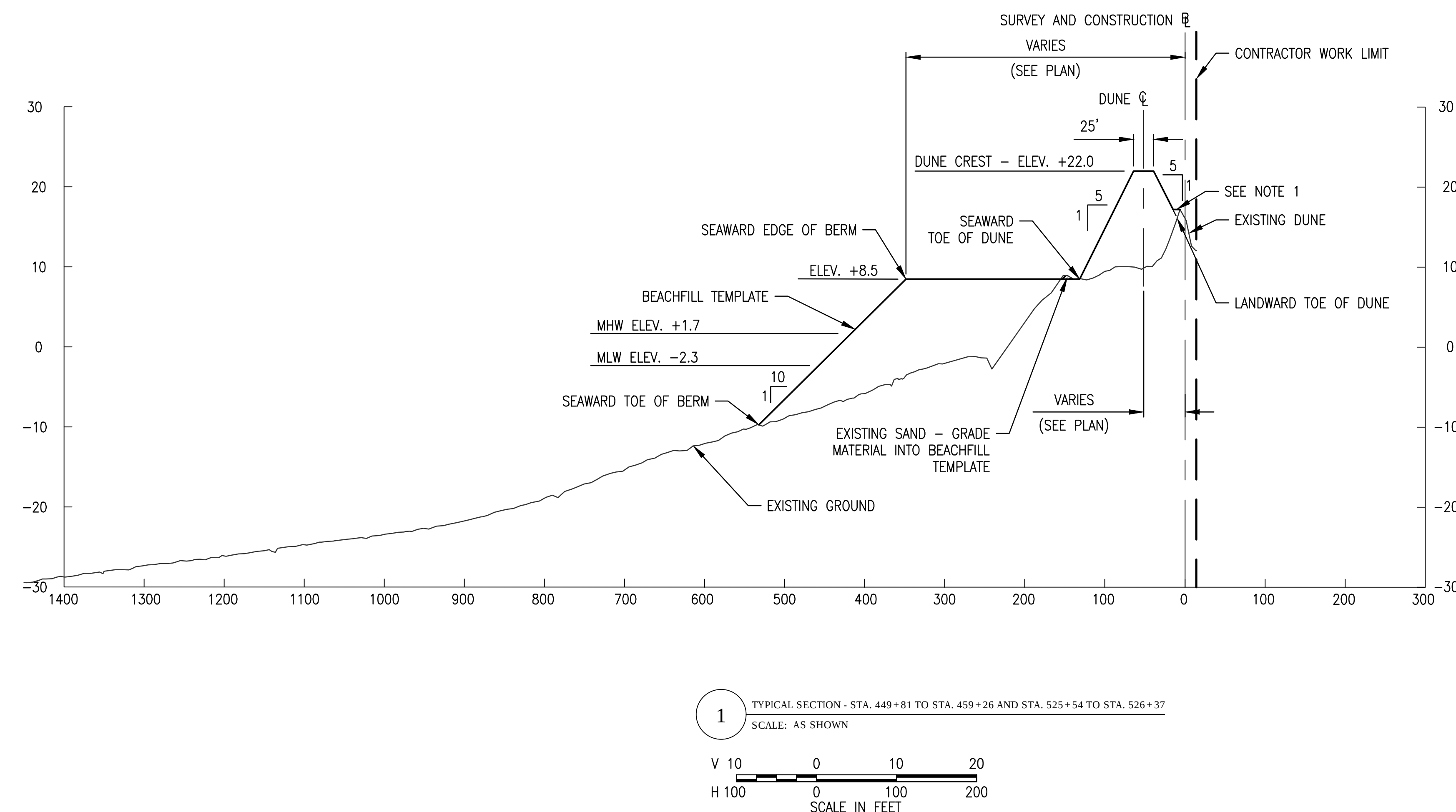
CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	503+11	1/C-403
2	506+01	1/C-408
3	508+80	1/C-403
4	511+55	1/C-403
5	514+25	1/C-403
6	517+18	1/C-403
7	519+65	1/C-403
8	525+24	1/C-403

OPTION CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
A	522+45	1/C-408

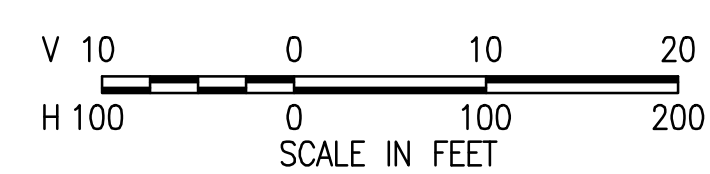
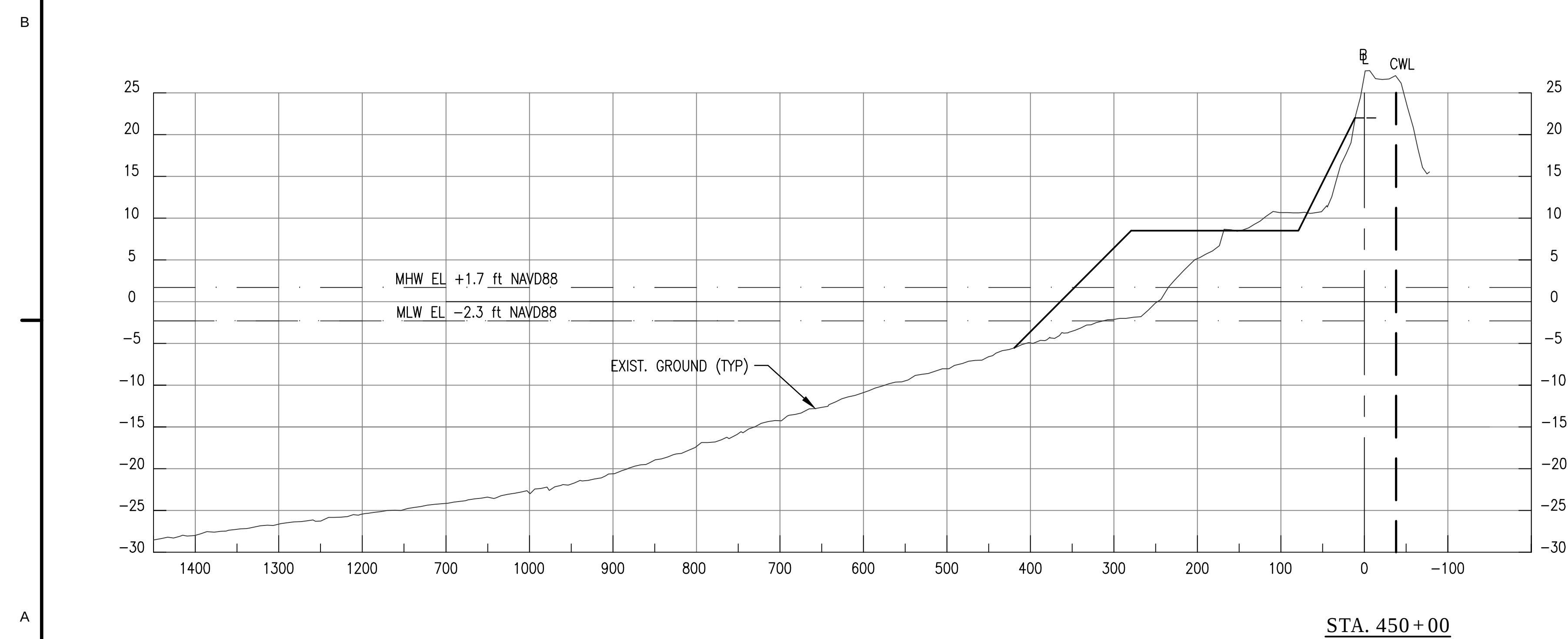
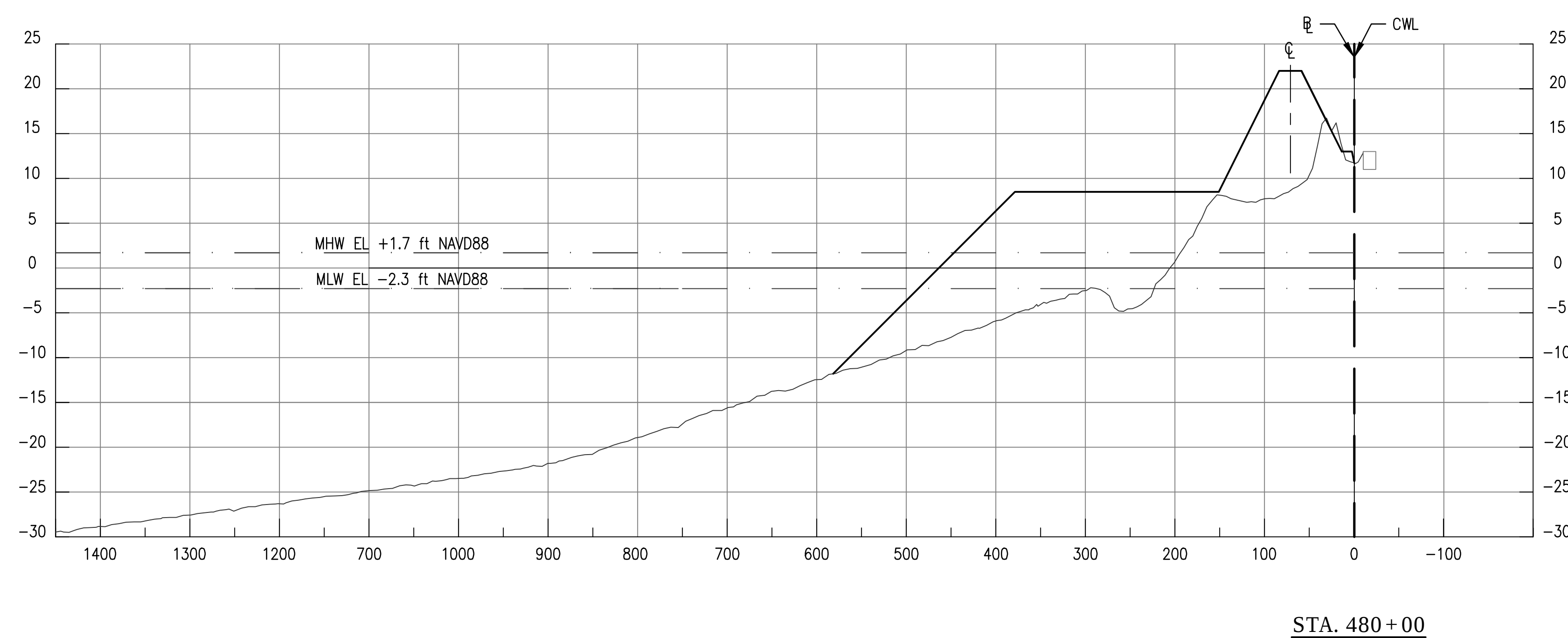
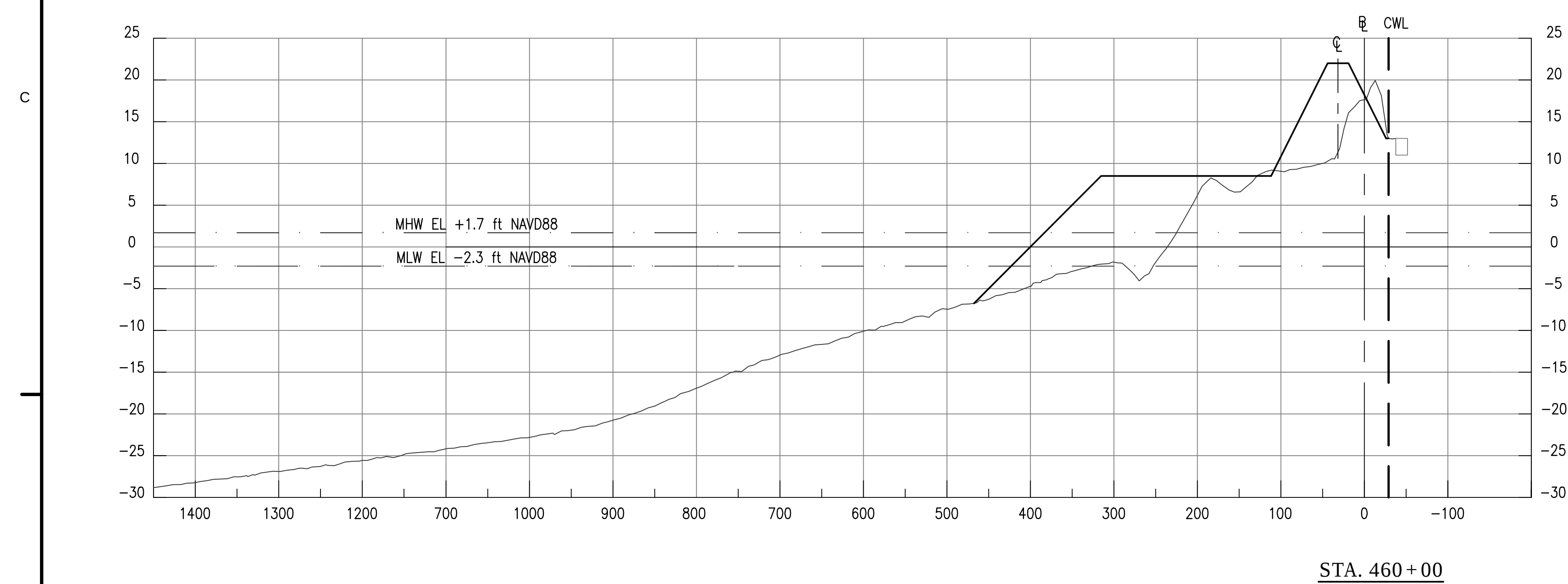
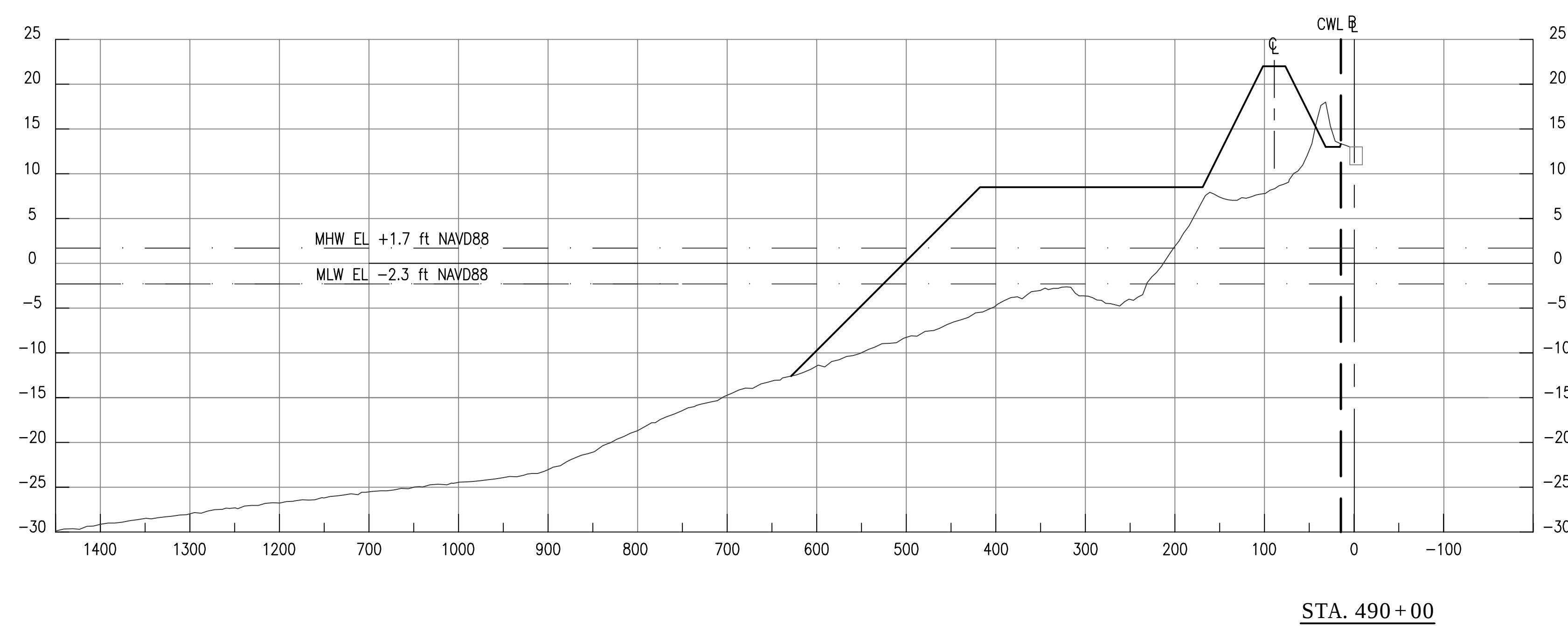
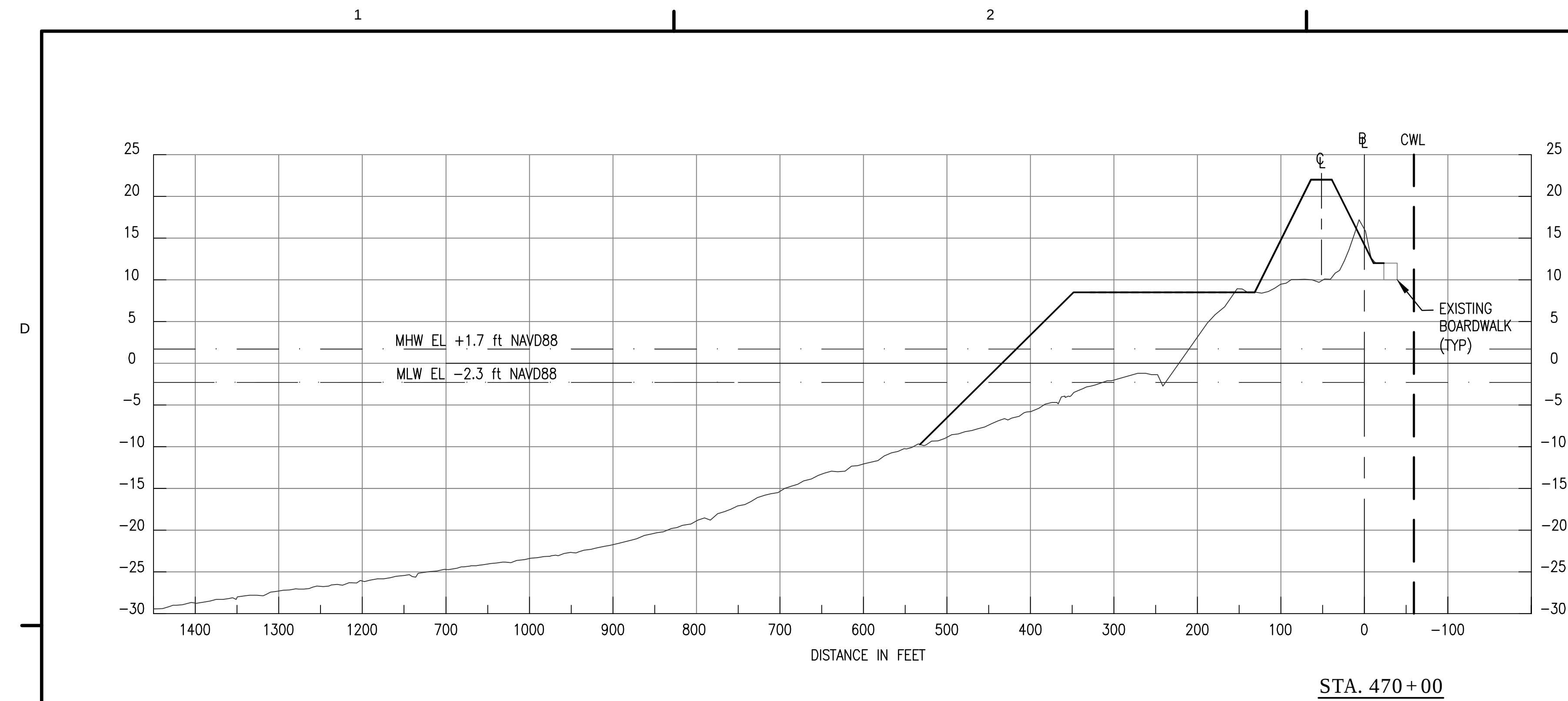


- NOTES:**
1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
 3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
 4. SEE SHEET CL-200 FOR TYPICAL BEACHFILL SECTIONS, AND SHEETS CL-300 TO CL-301 FOR CROSS SECTIONS.
 5. SEE SHEET C-400 AND C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-408 FOR PLANS OF CROSSOVERS.
 6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
 7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
 8. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-400 AND C-401 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT TO 1-5 TIE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.
 9. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FEATURES THAT ARE LANDWARD OF THE BOARDWALK THAT OCCURS DURING THE BEACHFILL CONSTRUCTION AT NO EXPENSE TO THE GOVERNMENT.

[illegible]



- NOTES:
1. PLACE SANDFILL TO ELIMINATE LOW AREAS BETWEEN THE EXISTING DUNE AND THE DUNE TEMPLATE.
 2. GRADE EXISTING SAND INTO DUNE TEMPLATE. ELEVATION OF GRADED AREA TO BE AT BOARDWALK ELEVATION. GRADING BEYOND THE CONTRACTOR WORK LIMIT (CWL) IS NOT PERMITTED.
 3. LENGTH OF EXISTING PILES IS UNKNOWN.
 4. FOR BEACHFILL PLACEMENT AND PAYMENT TOLERANCES, SEE CONTRACT SPECIFICATIONS.



NOTES:

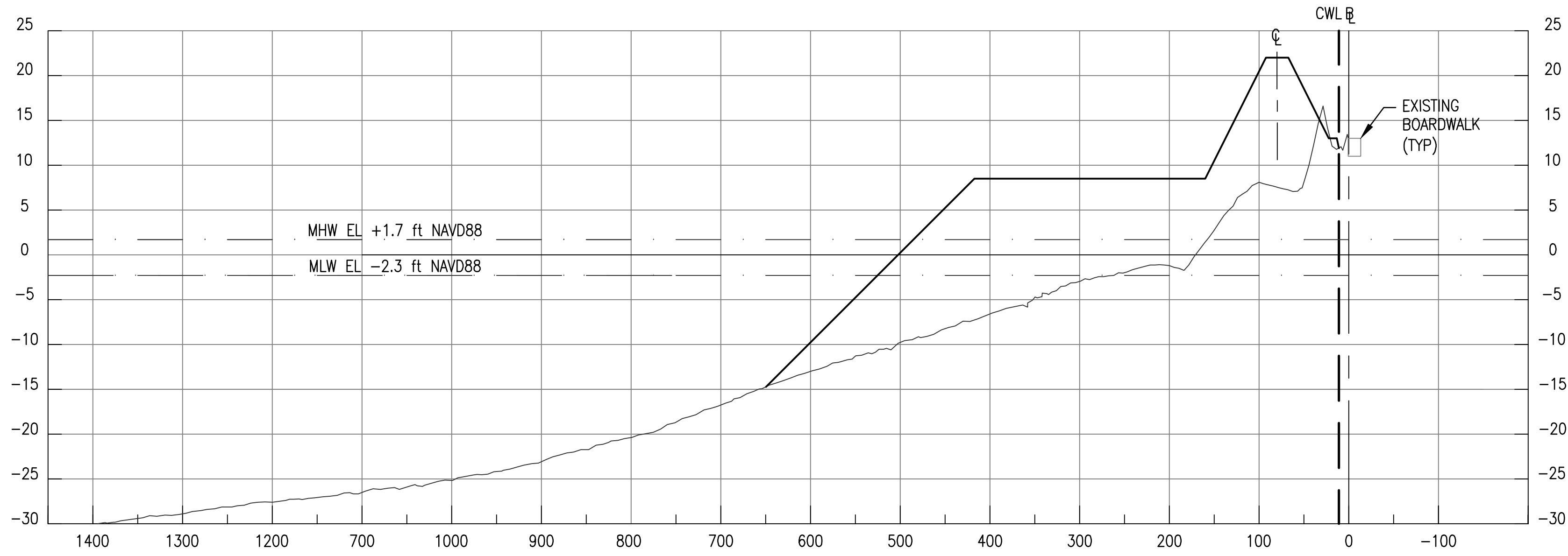
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2. FOR TYPICAL SECTIONS, SEE SHEET CL-200.

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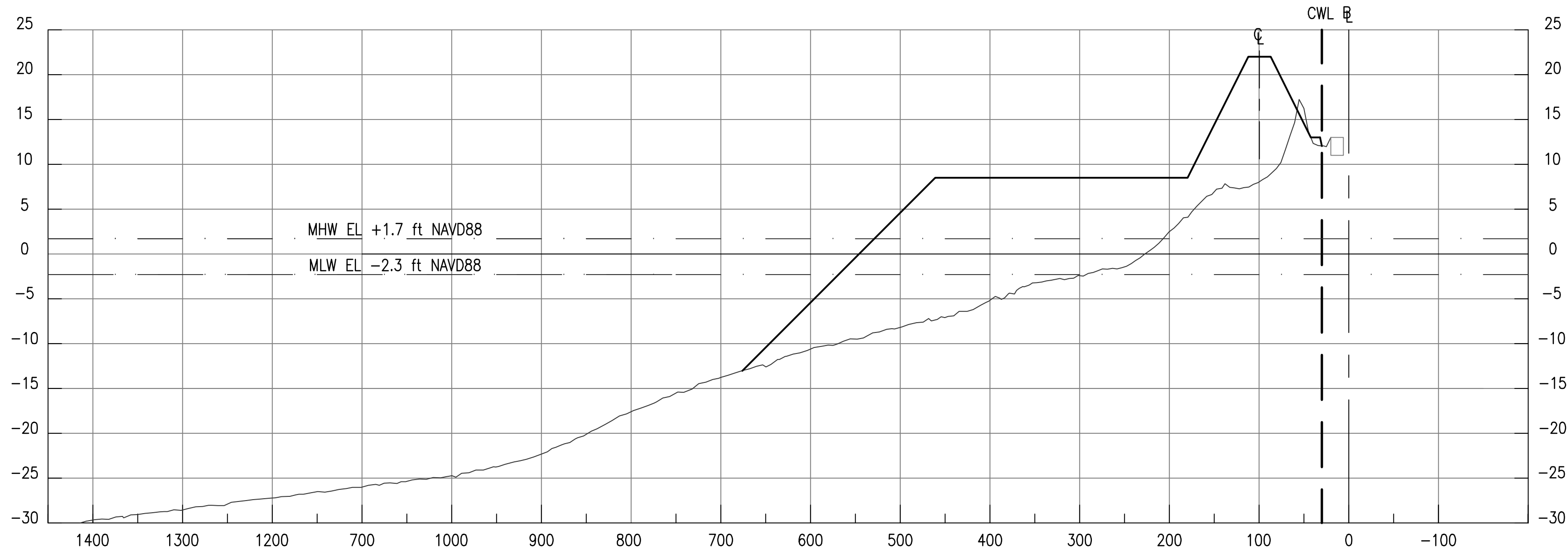
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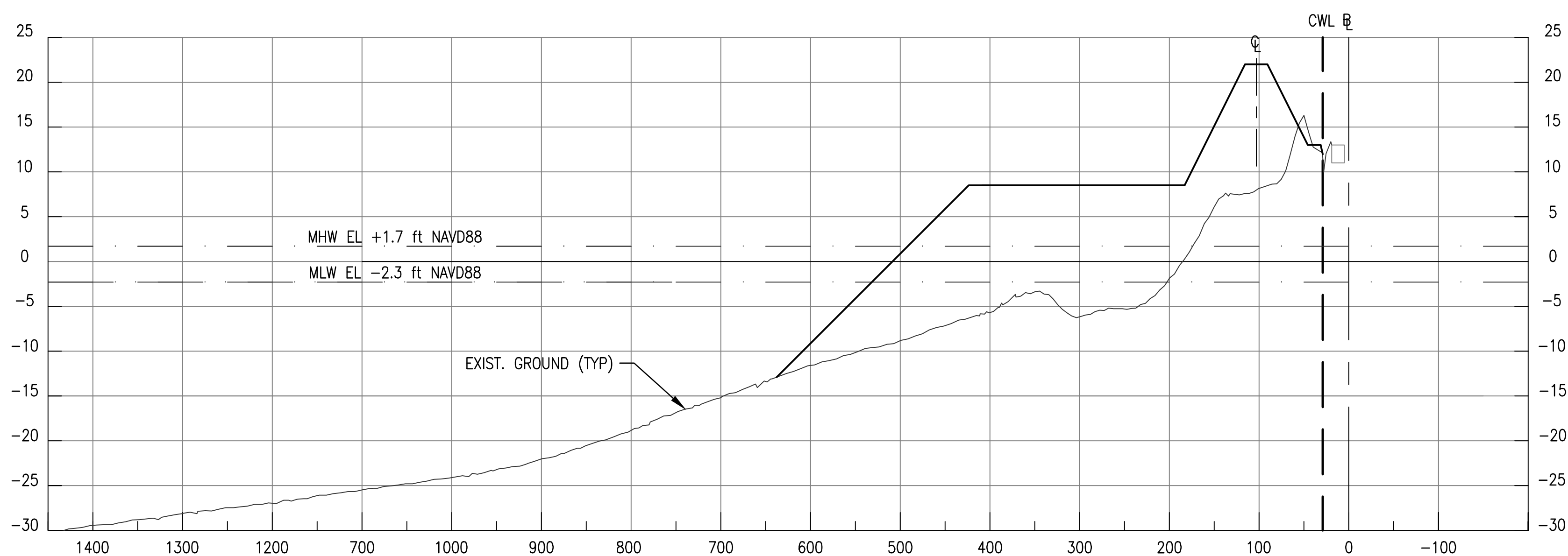
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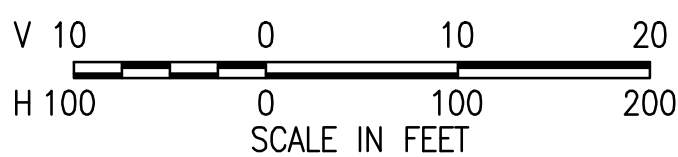
STA. 520+00



STA. 510+00



STA. 500+00



- NOTES:
1. CULTURAL EXCLUSION ZONES NOT SHOWN ON CROSS SECTIONS, SEE PLAN SHEET AND SPECIFICATIONS.
 2. FOR TYPICAL SECTIONS, SEE SHEET CL-200.



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Philadelphia District

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DATE	BY

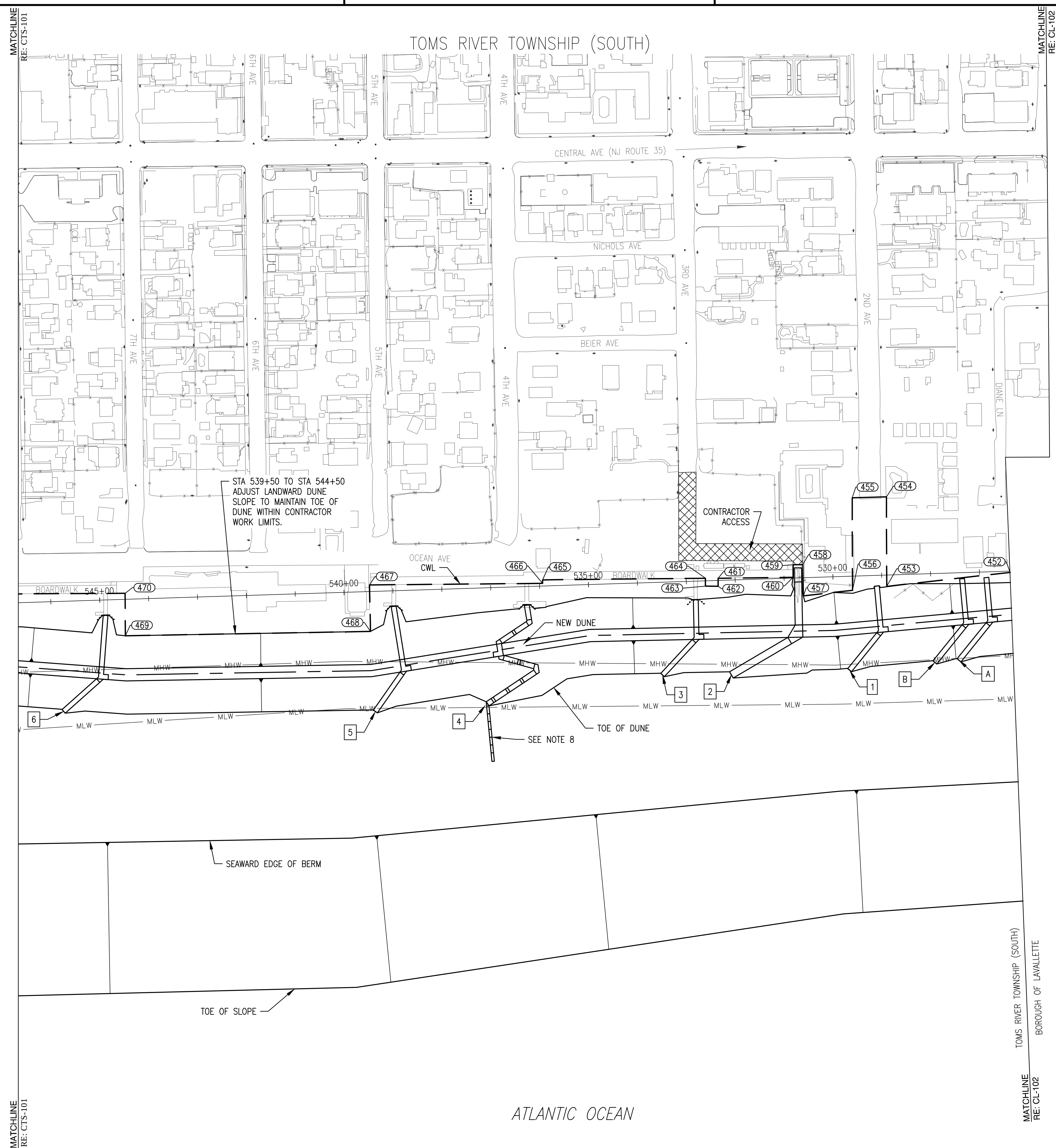
DATE	BY

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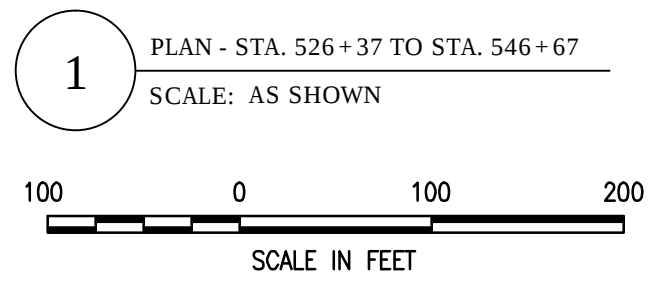
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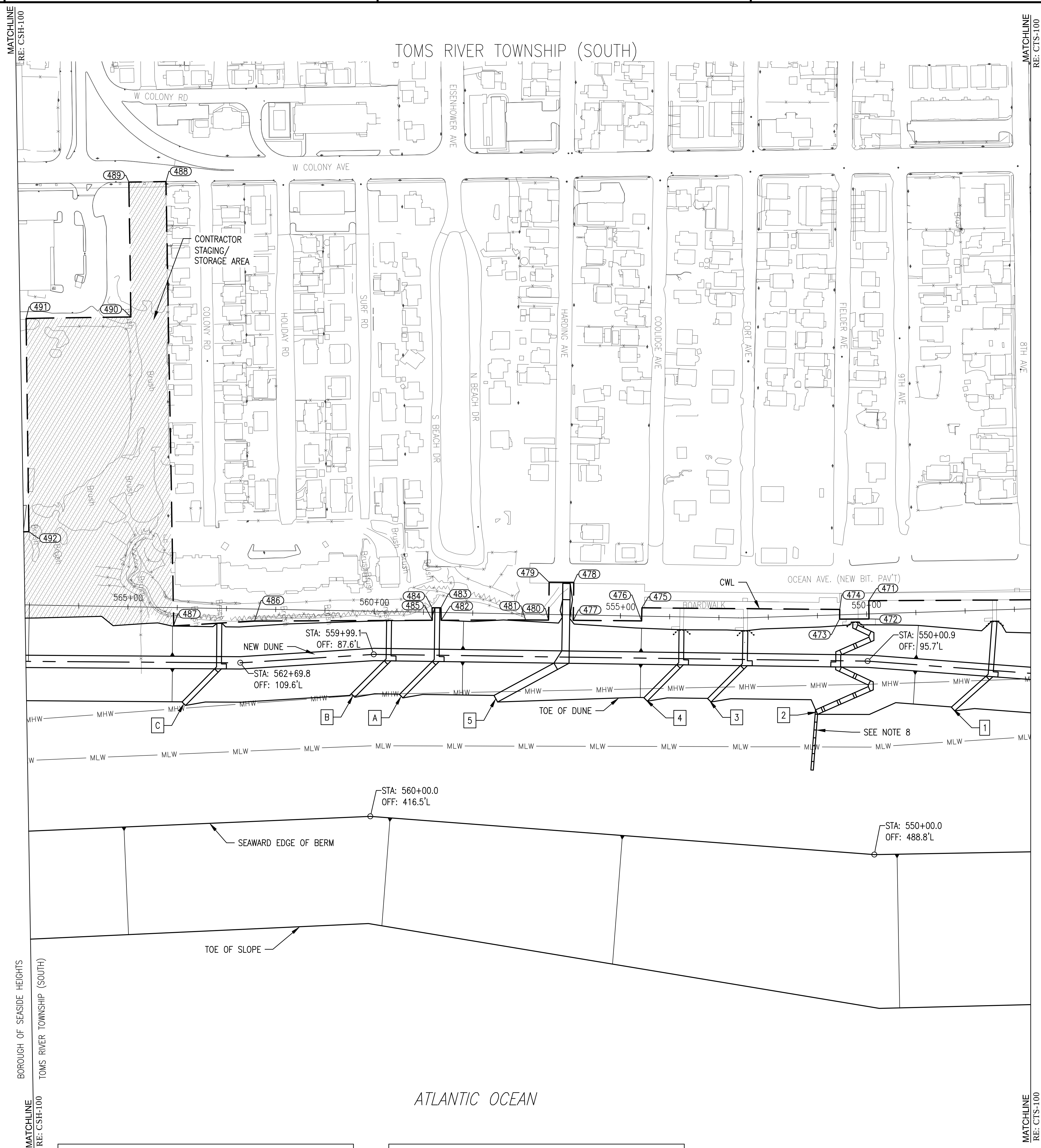


CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	529+06	2/C-403
2	530+73	1/C-404
3	532+83	2/C-403
4	535+85	3/C-408
5	538+84	2/C-403
6	545+02	2/C-403

OPTION CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
A	526+82	2/C-403
B	527+31	2/C-403



- NOTES:**
1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
 3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
 4. SEE SHEET CTS-200 FOR TYPICAL BEACHFILL SECTIONS, AND SHEETS CTS-300 FOR CROSS SECTIONS.
 5. SEE SHEET C-400 AND C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-408 FOR PLANS OF CROSSOVERS.
 6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
 7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
 8. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-401 FOR AREA OF MAT. SEE SPECIFICATIONS FOR REQUIREMENTS.



CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	547+51	2/C-403
2	550+61	4/C-408
3	552+50	2/C-403
4	553+75	2/C-403
5	556+10	1/C-404

OPTION CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
A	558+71	2/C-403
B	559+69	2/C-403
C	563+13	2/C-403

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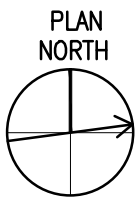
PLAN - STA. 546+67 TO STA. 567+09

SCALE: AS SHOWN



NOTES:

1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
4. SEE SHEET CTS-200 FOR TYPICAL BEACHFILL SECTIONS, AND SHEETS CTS-300 FOR CROSS SECTIONS.
5. SEE SHEET C-400 AND C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-408 FOR PLANS OF CROSSOVERS.
6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
8. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-401 FOR AREA OF MAT. SEE SPECIFICATIONS FOR REQUIREMENTS.

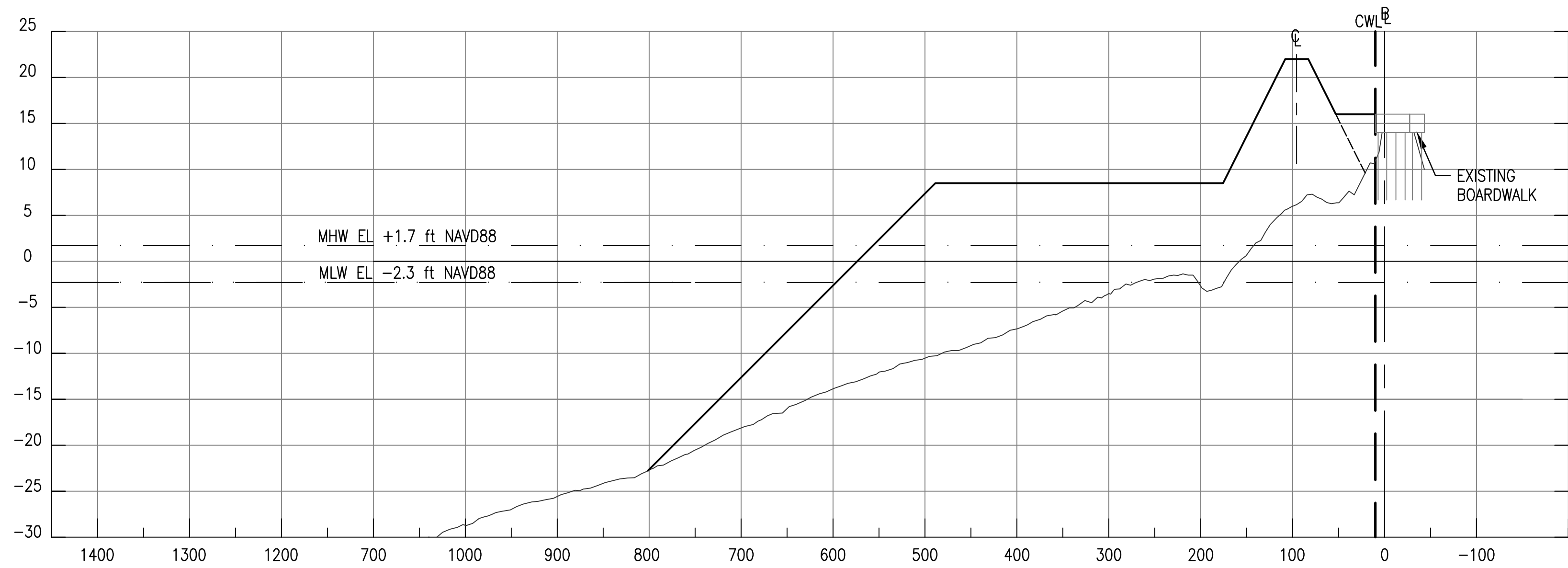


US Army Corps
of Engineers®
Philadelphia District

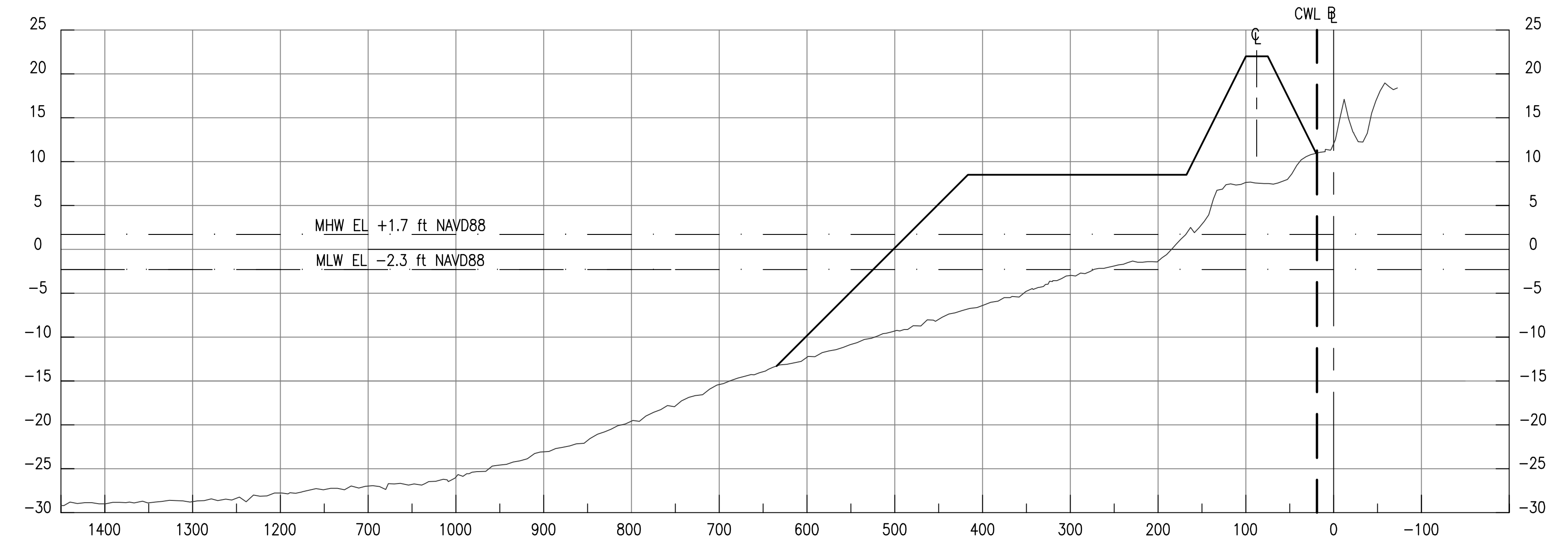
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3390 www.rapo.usace.army.mil	DWN BY:	DESIGNED BY:	ISSUE/RELEASE DATE:
	ADD	ADD	1005 RPA-BACF-DECK 10 FEB
	CND BY:	REVIEWED BY:	PROJ. NUMBER:
	DAN	DC/TEH	
		SOLICITATION NUMBER:	
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	DWG SCALE:	CONTRACT NUMBER:	

ANASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY

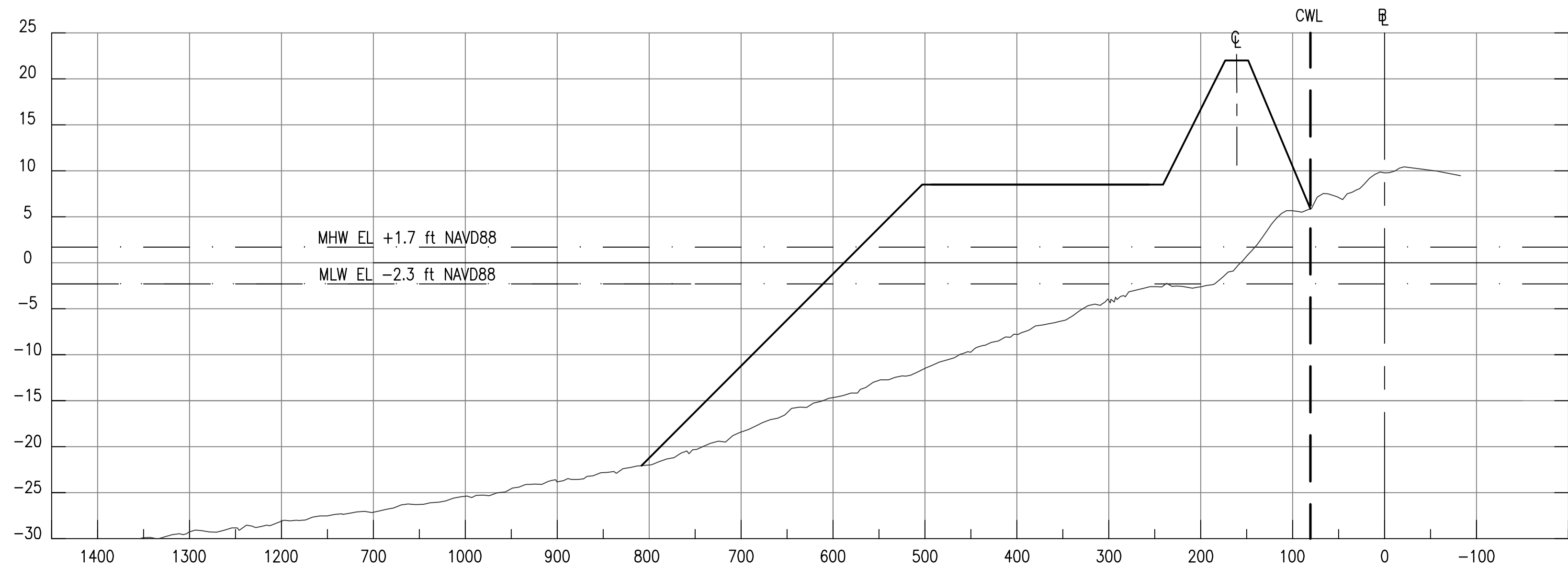
SHEET NUMBER
CTS-101



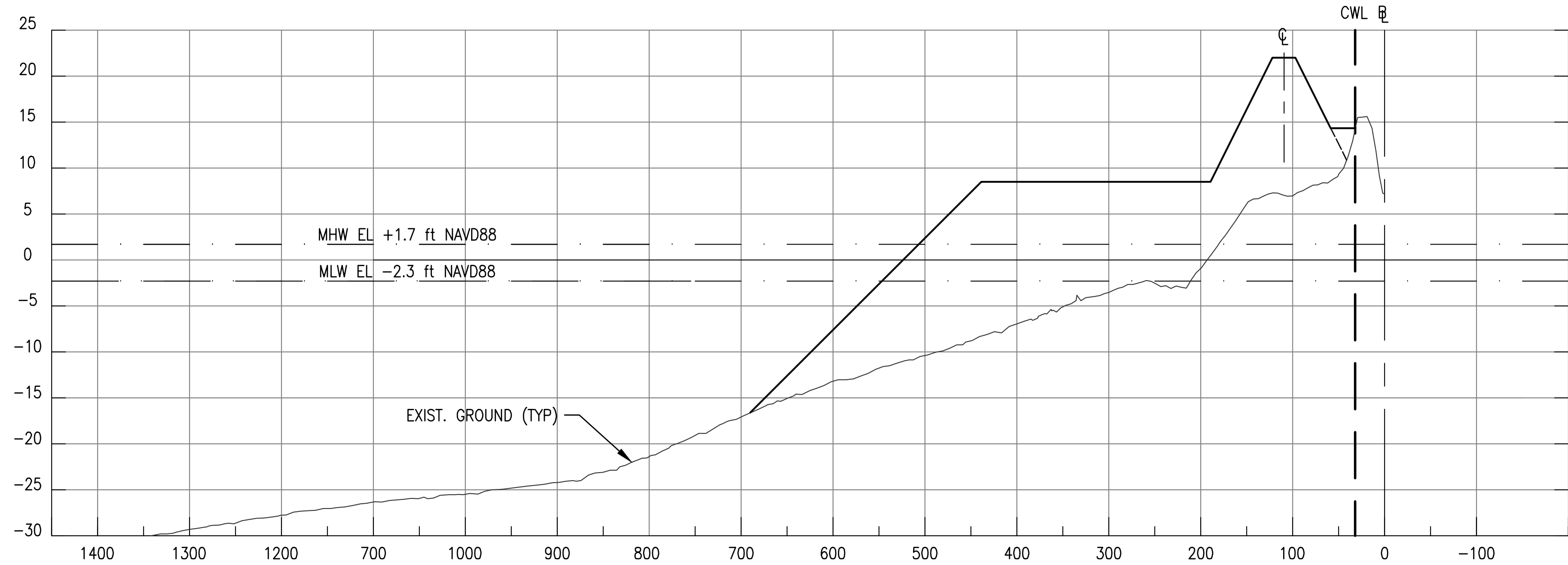
STA. 550 + 00



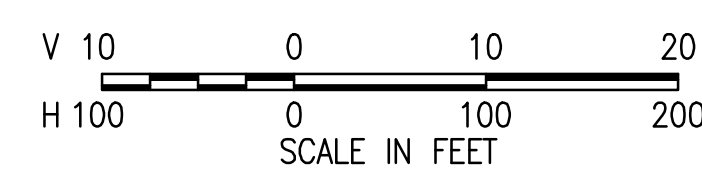
STA. 560 + 00



STA. 540 + 00



STA. 530+00



NOTES:

1. CULTURAL EXCLUSION ZONES NOT SHOWN ON CROSS SECTIONS, SEE PLAN SHEET AND SPECIFICATIONS.
2. FOR TYPICAL SECTIONS, SEE SHEET CTS-200.



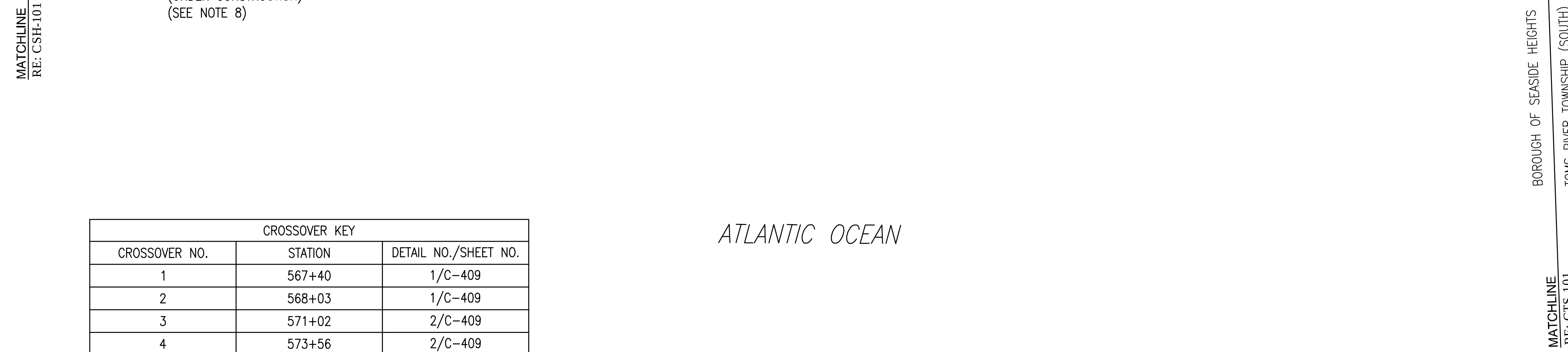
Army Corps
Engineers®
Philadelphia District

[illegible]

www.csp.usace.army.mil PHILADELPHIA US HIC I PHILADELPHIA, PA 19107-3390	CWD BY: DAN	REVIEWED BY: DCL/TEH	PROJ. NUMBER: WY2014-44-0713
	DWG SCALE: 1" = 10'	CONTRACT NUMBER:	SOLICITATION NUMBER:
DWG. SIZE: 30"x42" Arch E		FILE NAME: CTS-300 CROSS SECTIONS DWG	

OCEAN COUNTY, NEW JERSEY
BEACHFILL
INITIAL CONSTRUCTION
CROSS SECTIONS - STA. 530+00 TO STA. 560+00

SHEET NUMBER
CTS-300



1 PLAN - STA. 567+09 TO STA. 587+62
SCALE: AS SHOWN

100 0 100 200

SCALE IN FEET

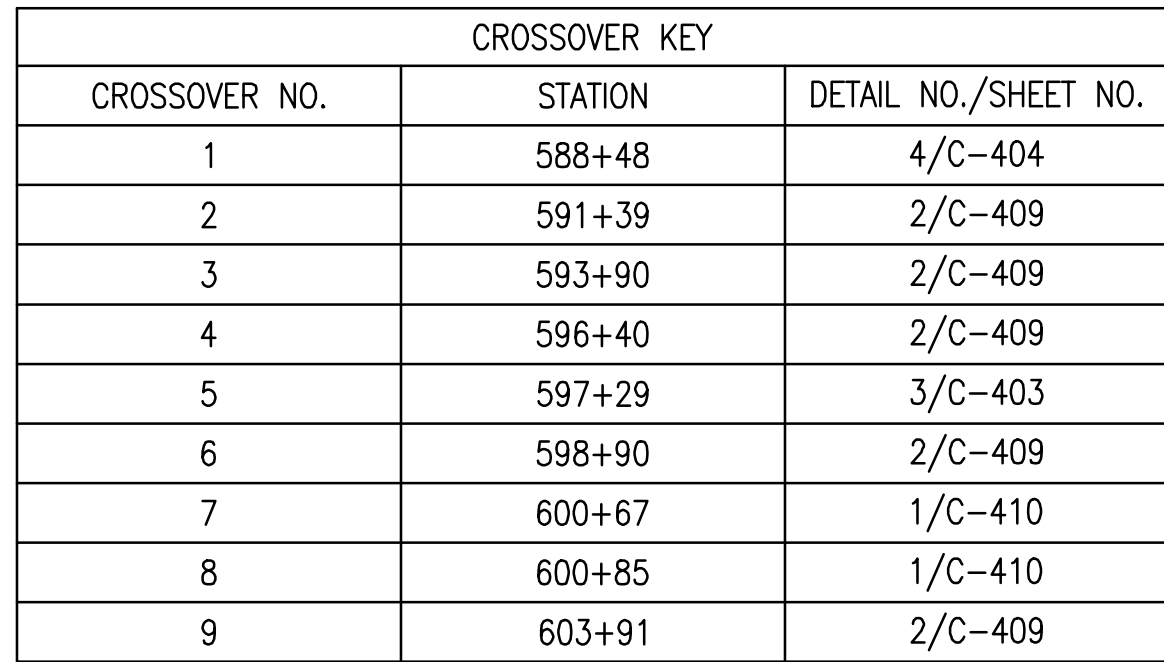
NOTES:

- | | | | | | |
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|  <div style="text-align: right;"> US Army Corps
of Engineers
Philadelphia District </div> | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> <p>MANASQUAN INLET TO BARGENAT INLET</p> <p>OCEAN COUNTY, NEW JERSEY</p> </div> <div> <p>BEACH-FILL</p> <p>INITIAL CONSTRUCTION</p> <p>PLAN - STA. 567+03 TO STA. 587+62</p> </div> </div> | | | | | |
| SHEET NUMBER | | | | | |
| CSH-100 | | | | | |

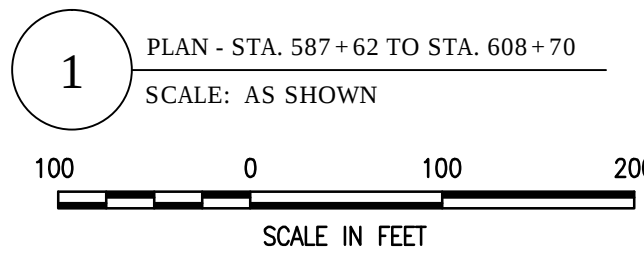
MANASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY

BEACHFILL
INITIAL CONSTRUCTION

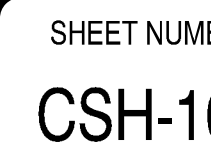
PLAN - STA. 567+09 TO STA. 587+62

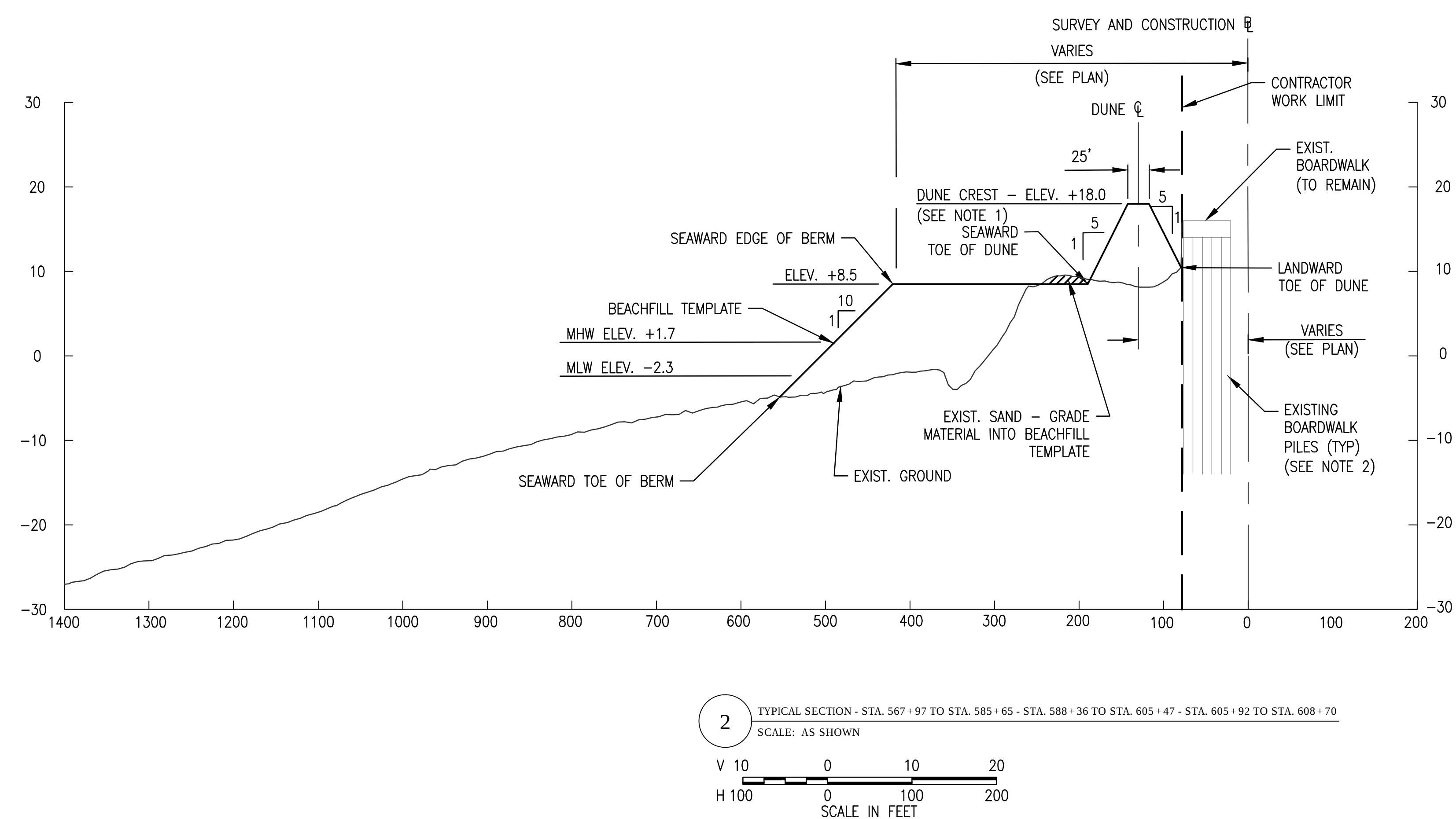
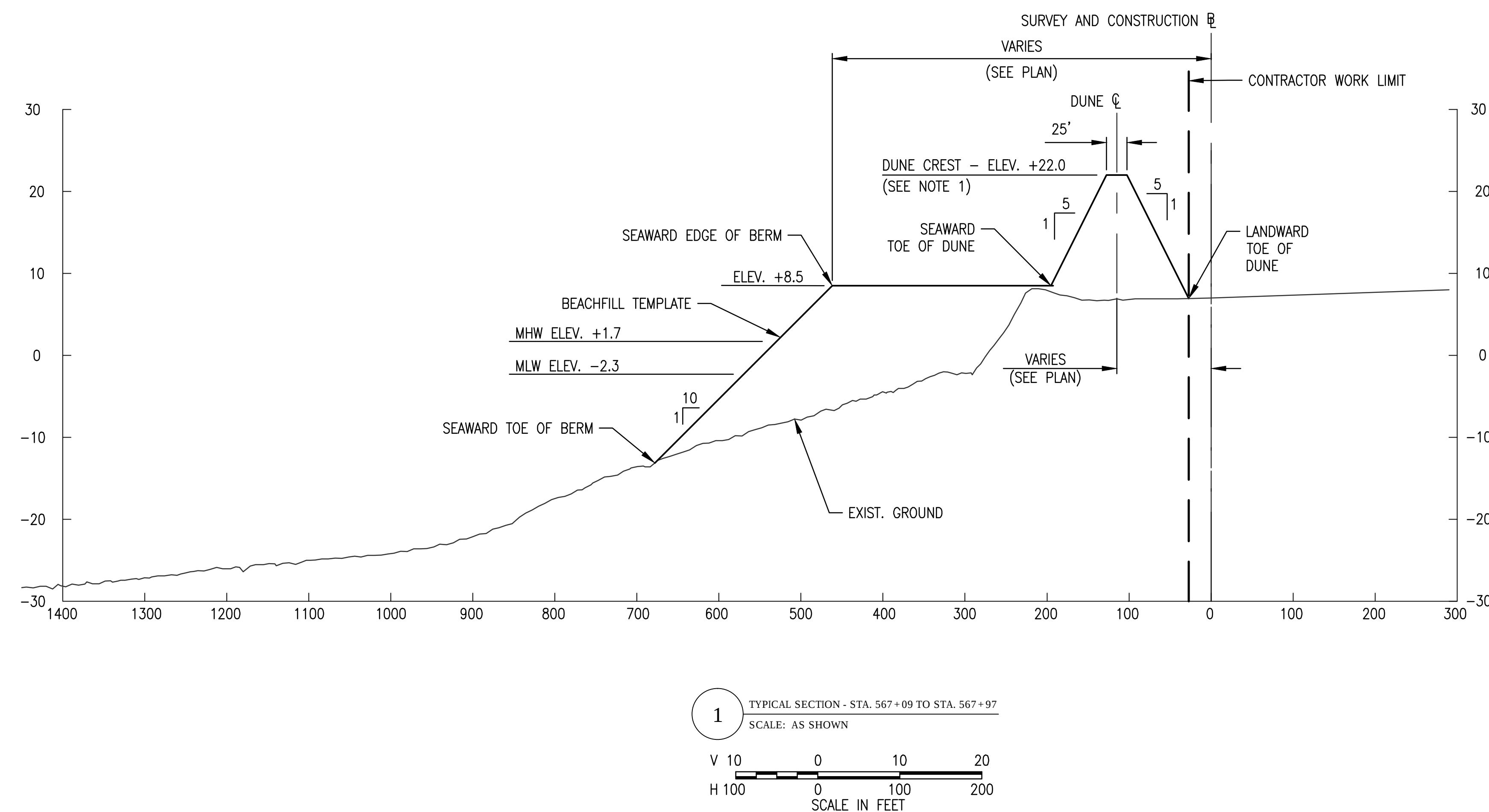


CULTURAL
EXCLUSION ZONE
1:1695
E 613692
N 404001
R=100'
(SEE NOTE 8)



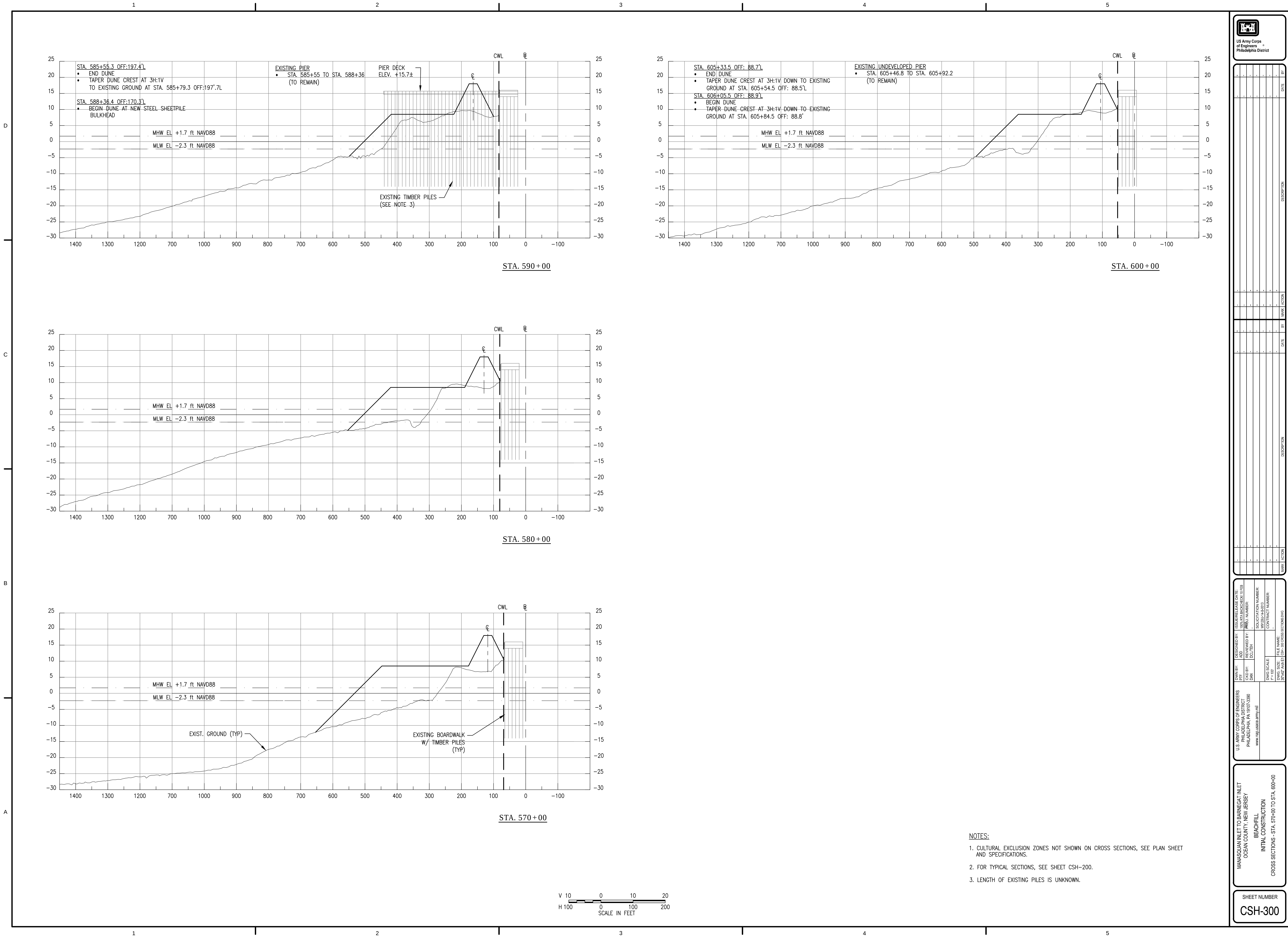
1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
4. SEE SHEET CSH-200 FOR TYPICAL BEACHFILL SECTIONS, AND SHEETS CSH-300 FOR CROSS SECTIONS.
5. SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-409 FOR PLANS OF CROSSOVERS.
6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
8. NO ANCHORING OR PIPELINE PLACEMENT IS PERMITTED WITHIN ANY CULTURAL EXCLUSION ZONES. ONLY PLACEMENT OF BEACHFILL IS PERMITTED. SEE SPECIFICATIONS FOR RESTRICTIONS.
9. THE EXISTING PIER AND OTHER STRUCTURES ARE NOT AVAILABLE TO USE FOR PROJECT CONSTRUCTION BY THE CONTRACTOR. SEE SPECIFICATIONS. FILL MAY SPILL UNDER PIERS. NO GRADING IS REQUIRED UNDER PIERS EXCEPT AS SHOWN.
10. THE LOAD RATING OF THE EXISTING BOARDWALK VEHICLE CROSSING IS UNKNOWN AND MAY NOT HAVE A MAXIMUM WEIGHT LIMIT FOR CONSTRUCTION EQUIPMENT. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR ALL PROPOSED CONSTRUCTION EQUIPMENT WITH THE BOROUGH OF SEASIDE HEIGHTS PRIOR TO ANY EQUIPMENT/VEHICLE CROSSING. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE CROSSOVER DURING CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE GOVERNMENT. THE CONTRACTOR IS ALSO RESPONSIBLE FOR COORDINATION OF THE DATE AND TIME OF ALL EQUIPMENT/VEHICLE CROSSINGS, AS WELL AS PROPOSED SAFETY MEASURE, WITH THE BOROUGH OF SEASIDE HEIGHTS AND THE COR AT LEAST 14 CALENDAR DAYS IN ADVANCE OF THE CROSSING DATE. THE MAXIMUM ALLOWABLE WIDTH FOR CROSSING THE BOARDWALK IS 16'± AND SHALL BE CENTERED ON THE EXISTING CROSSING.
11. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-401 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT TO 1-5 THE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.
12. FOR DETAILS OF NEW STEEL SHEETPILE WALL, SEE SHEETS C-421.
13. ONLY EXISTING ADA RAMPS AND VEHICLE RAMP AT GRANT AVENUE AND FRANKLIN AVENUE ARE TO DEMOLISHED. SEE NEW CROSSOVER DETAIL FOR EXTENT OF DEMOLITION.





NOTES:

1. TRANSITION DUNE CREST FROM ELEV. +22.0 AT STA. 567+08 TO ELEV. +18.0 AT STA. 567+28.
2. LENGTH OF TIMBER PILES IS UNKNOWN.
3. FOR BEACHFILL PLACEMENT AND PAYMENT TOLERANCES, SEE CONTRACT SPECIFICATIONS.



- NOTES:
1. CULTURAL EXCLUSION ZONES NOT SHOWN ON CROSS SECTIONS, SEE PLAN SHEET AND SPECIFICATIONS.
 2. FOR TYPICAL SECTIONS, SEE SHEET CSH-200.
 3. LENGTH OF EXISTING PILES IS UNKNOWN.

MANASQUAN INLET TO BARNEGAT INLET	BEACHFILL	INITIAL CONSTRUCTION	CROSS SECTIONS - STA. 570+00 TO STA. 600+00
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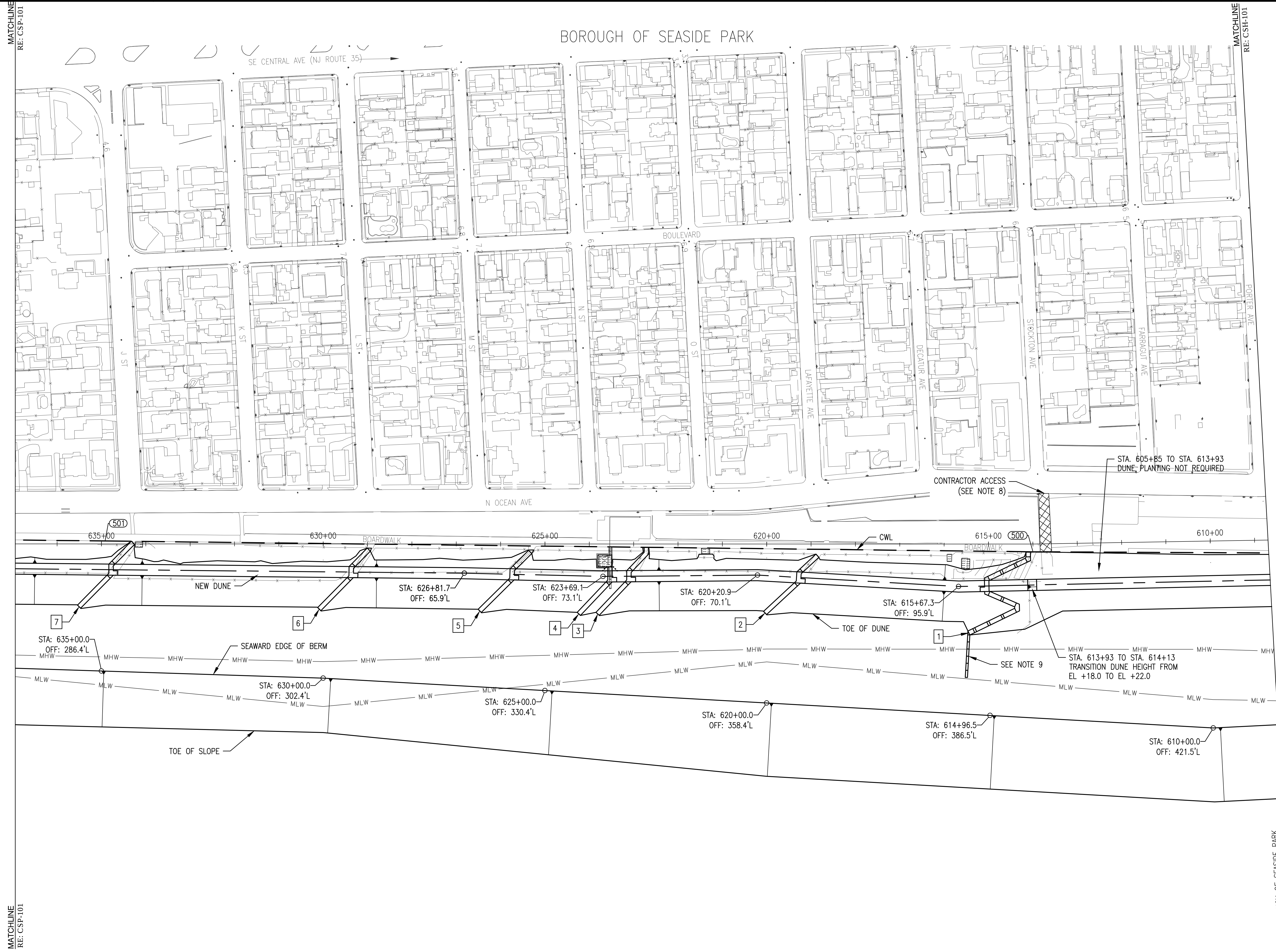
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CHECKED BY: DAN	CHECKED BY: DAN	SCALE: 1" = 10'	DATE: 10/10/2018
SOLICITATION NUMBER: 19073380		CONTRACT NUMBER: 19073380	

U.S. ARMY CORPS OF ENGINEERS	PHILADELPHIA DISTRICT	PHILADELPHIA, PA 19107-3380	WWW.USACE.DIST.PHIL.MIL
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SHEET NUMBER	CSH-300
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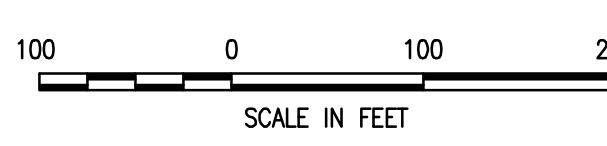
MATCHLINE
RE: CSP-101

MATCHLINE
RE: CSP-101



CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	615+04	2/C-410
2	619+28	4/C-403
3	623+11	3/C-410
4	623+54	3/C-410
5	625+74	4/C-403
6	629+37	4/C-403
7	634+78	4/C-403

1 PLAN - STA. 608+70 TO STA. 636+95
SCALE: AS SHOWN



- NOTES:
- SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
 - SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
 - SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
 - SEE SHEET CSP-200 FOR TYPICAL BEACHFILL SECTION, AND SHEETS CSP-300 TO CSP-301 FOR CROSS SECTIONS.
 - SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-410 FOR PLANS OF CROSSOVERS.
 - SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
 - SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
 - THE LOAD RATING OF THE EXISTING BOARDWALK IS UNKNOWN AND MAY NOT SUSTAIN THE WEIGHT OF CONSTRUCTION EQUIPMENT.
 - CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-401 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT TO 1-5 TIE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.

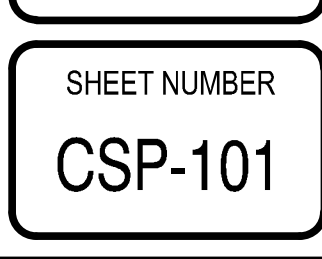
US Army Corps of Engineers
Philadelphia District

DESIGNED BY	ADDED BY	DESIGNED BY	ADDED BY	FILE NAME
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 WWW.USACE.DIST.PHIL.MIL	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 WWW.USACE.DIST.PHIL.MIL	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 WWW.USACE.DIST.PHIL.MIL	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 WWW.USACE.DIST.PHIL.MIL	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 WWW.USACE.DIST.PHIL.MIL

MANASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY

BEACHFILL
INITIAL CONSTRUCTION
PLAN - STA. 608+70 TO STA. 636+95

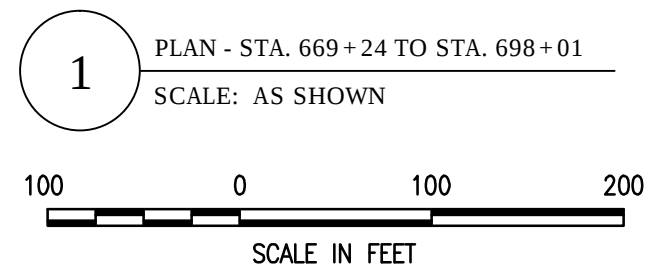
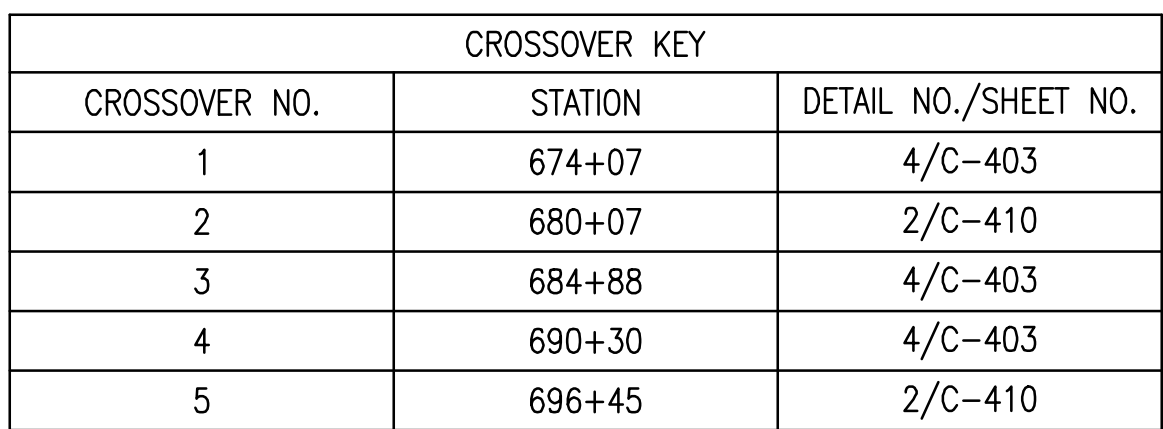
SHEET NUMBER
CSP-100



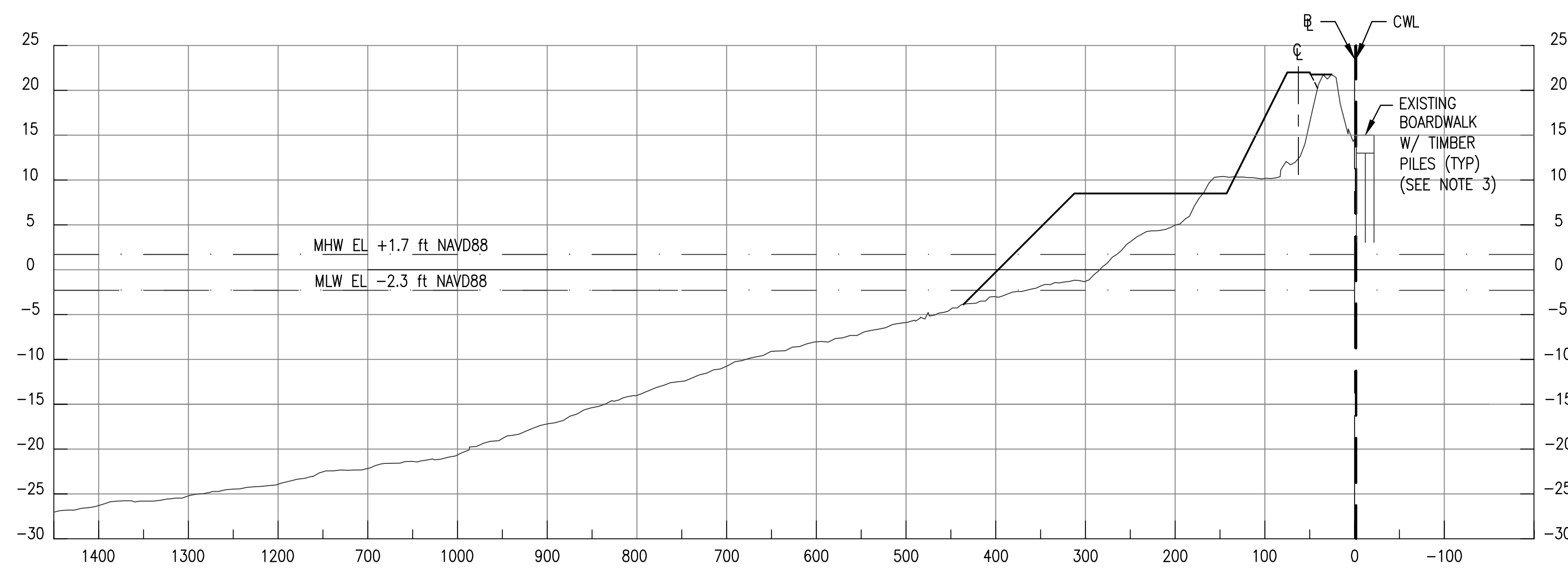
1 PLAN - STA. 636+95 TO STA. 669+24
SCALE: AS SHOWN

100 0 100 200
SCALE IN FEET

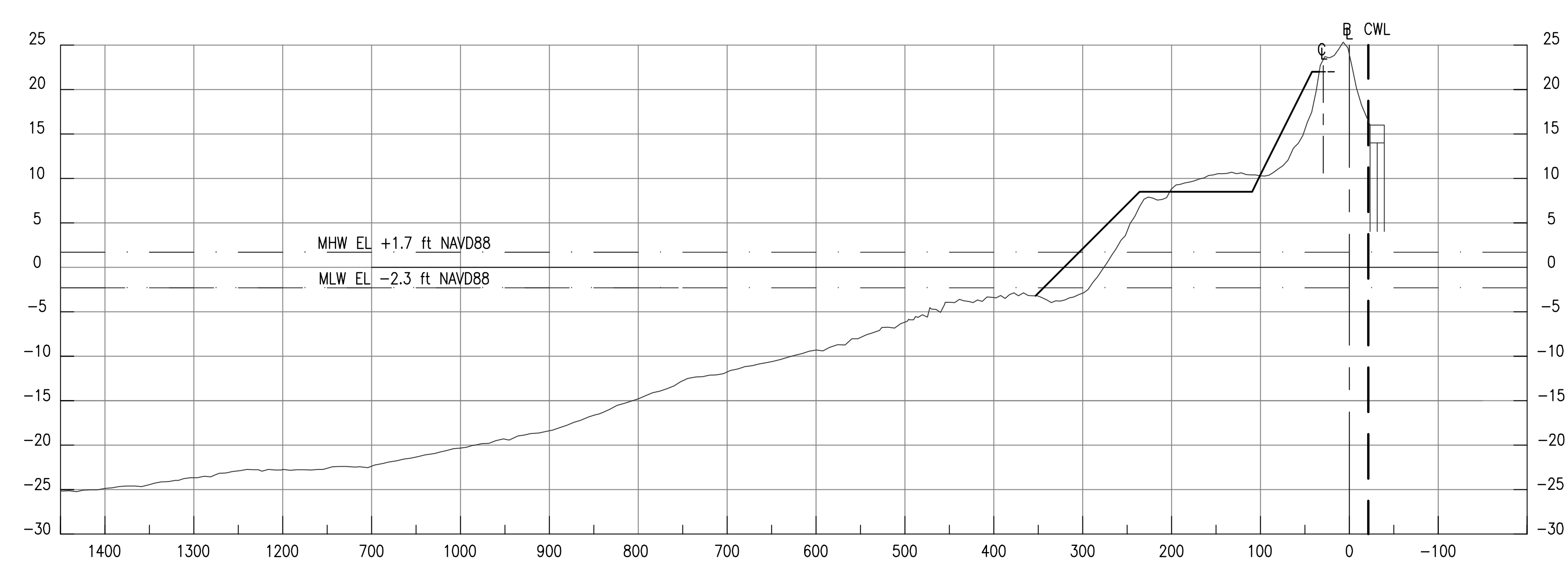
- NOTES:**
1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
 3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
 4. SEE SHEET CSP-200 FOR TYPICAL BEACHFILL SECTION, AND SHEETS CSP-300 TO CSP-301 FOR CROSS SECTIONS.
 5. SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-410 FOR PLANS OF CROSSOVERS.
 6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
 7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
 8. NO ANCHORING OR PIPELINE PLACEMENT IS PERMITTED WITHIN ANY CULTURAL EXCLUSION ZONES. ONLY PLACEMENT OF BEACHFILL IS PERMITTED. SEE SPECIFICATIONS FOR RESTRICTIONS.
 9. THE LOAD RATING ON THE EXISTING BOARDWALK IS UNKNOWN AND MAY NOT SUSTAIN THE WEIGHT OF CONSTRUCTION EQUIPMENT.
 10. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-401 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT TO 1-5 TIE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.



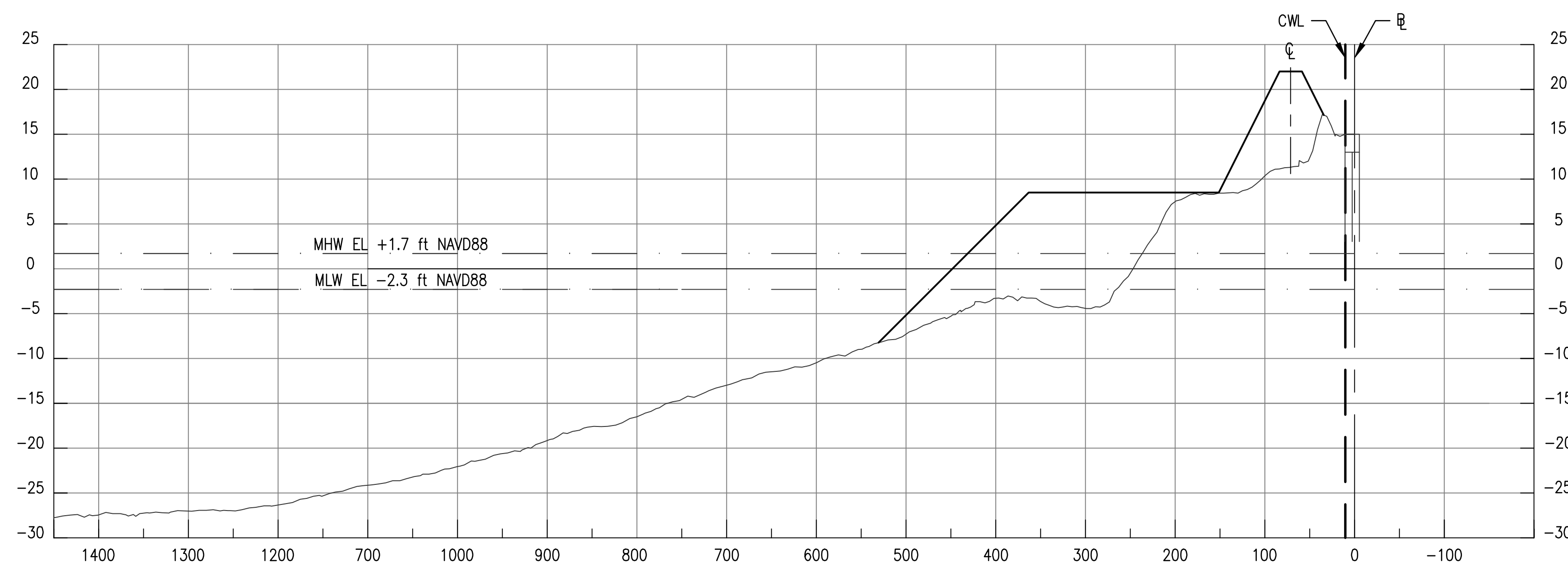
- NOTES:**
1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
 3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
 4. SEE SHEET CSP-200 FOR TYPICAL BEACHFILL SECTION, AND SHEETS CSP-300 TO CSP-301 FOR CROSS SECTIONS.
 5. SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-410 FOR PLANS OF CROSSOVERS.
 6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
 7. SEE SHEET C-500 THROUGH C-502 FOR BORROW AREA PLANS.
 8. NO ANCHORS OR PIPELINE PLACEMENT IS PERMITTED WITHIN ANY CULTURAL EXCLUSION ZONES. ONLY PLACEMENT OF BEACHFILL IS PERMITTED. SEE SPECIFICATIONS FOR RESTRICTIONS.
 9. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-401 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT TO 1-5 TIE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.



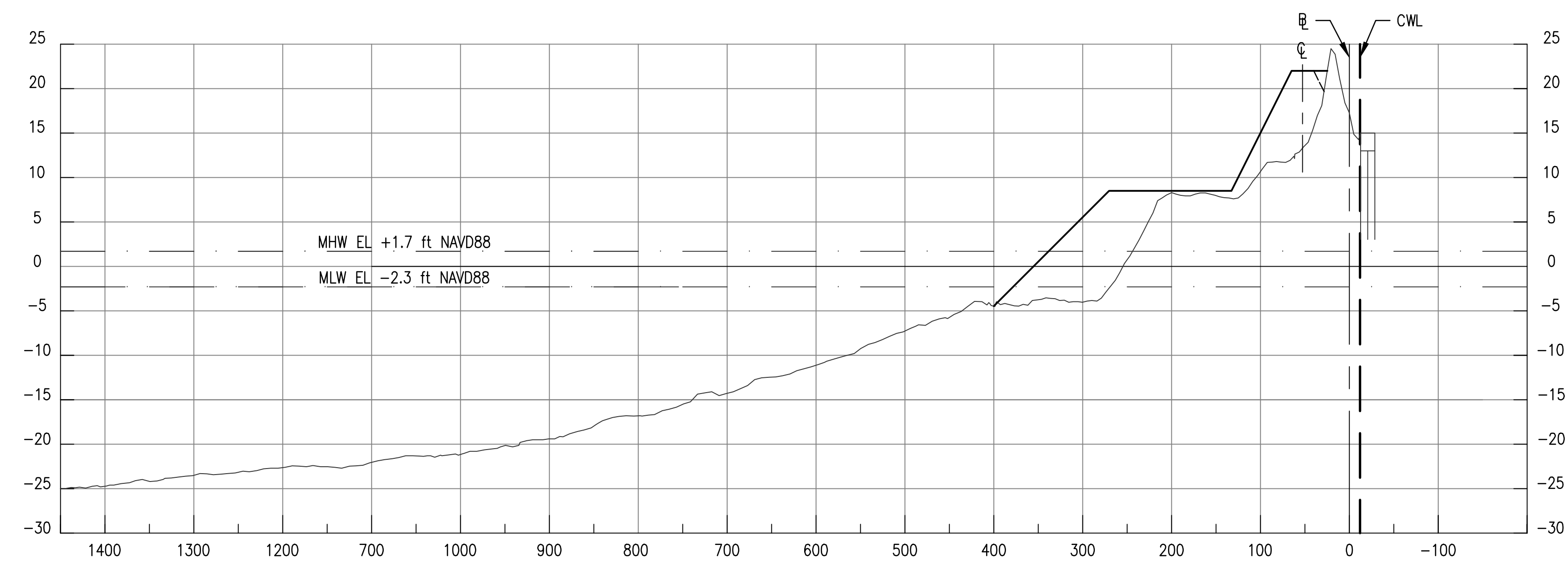
STA. 630 + 00



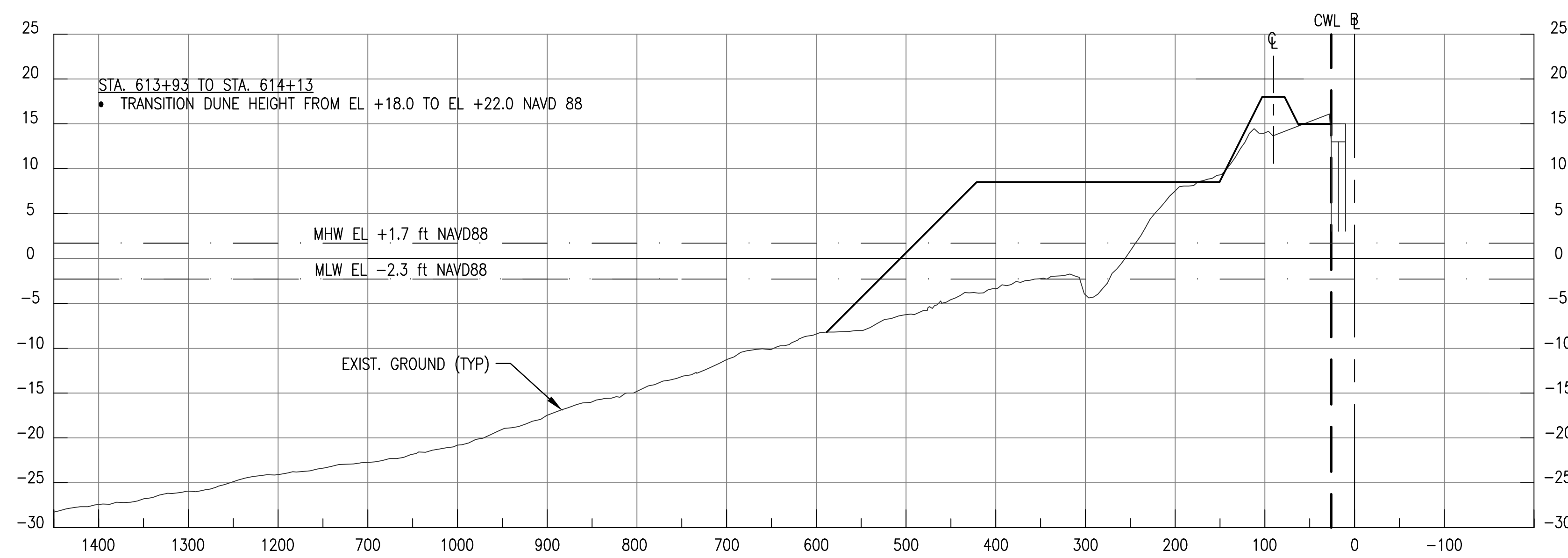
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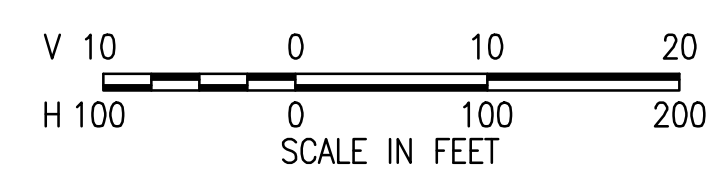
STA. 620+00



STA. 640+00



STA. 610+00



NOTES:

1. CULTURAL EXCLUSION ZONES NOT SHOWN ON CROSS SECTIONS, SEE PLAN SHEET AND SPECIFICATIONS.
2. FOR TYPICAL SECTIONS, SEE SHEET CSP-200.
3. LENGTH OF EXISTING PILES IS UNKNOWN.



US Army Corps
of Engineers
Philadelphia District

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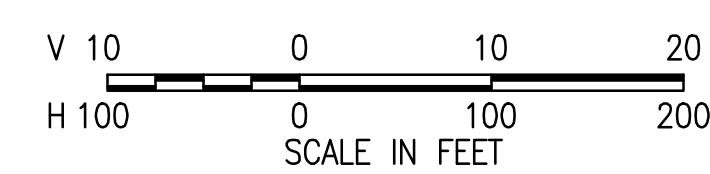
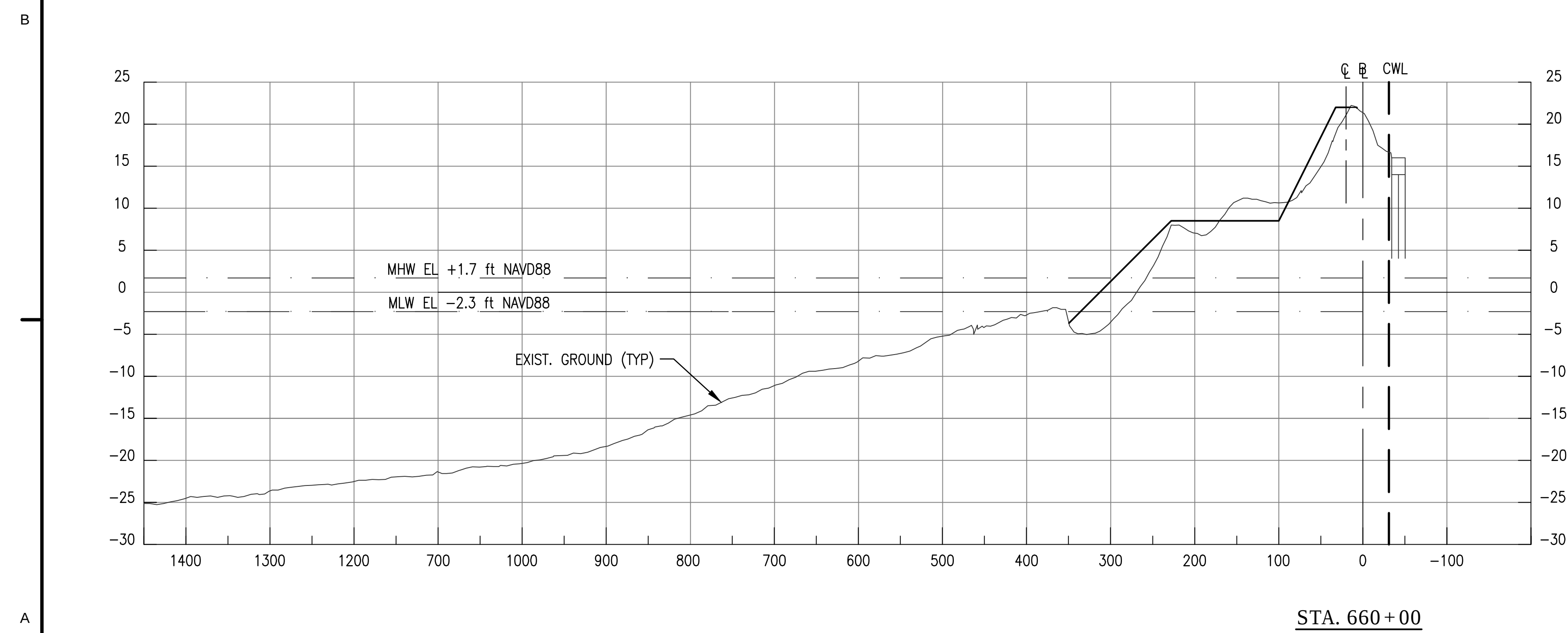
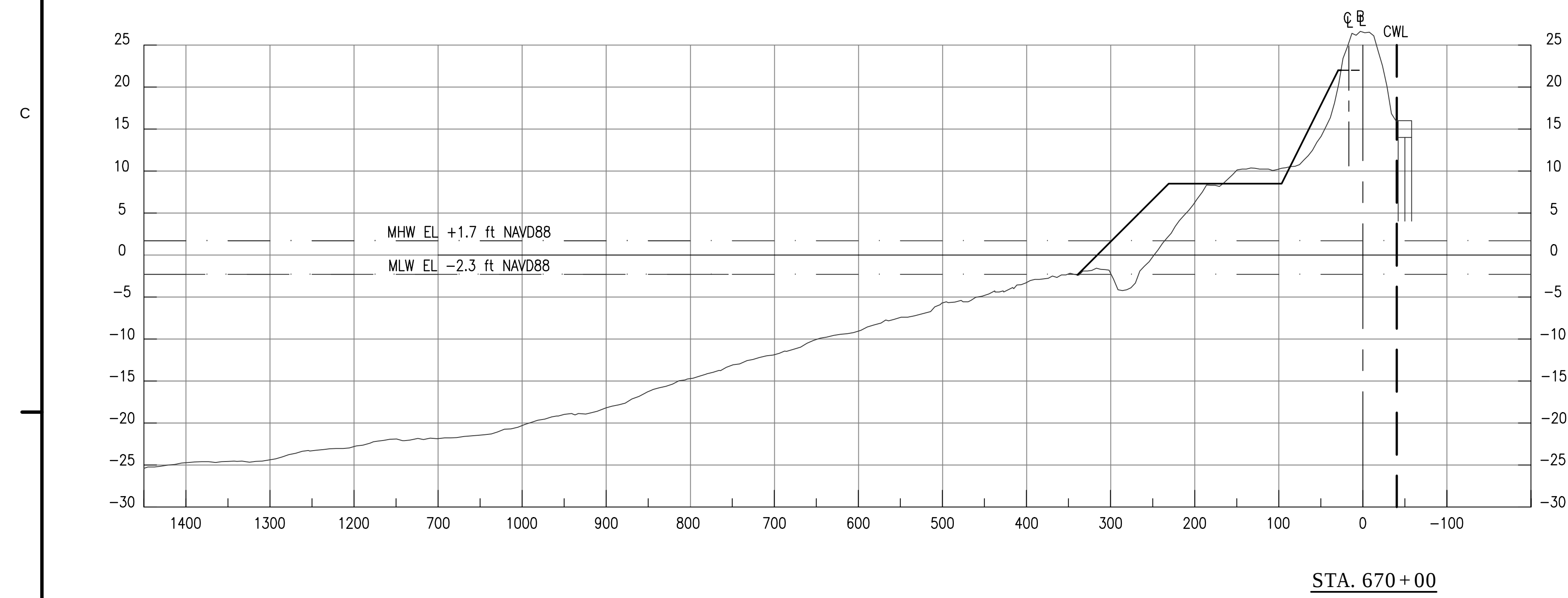
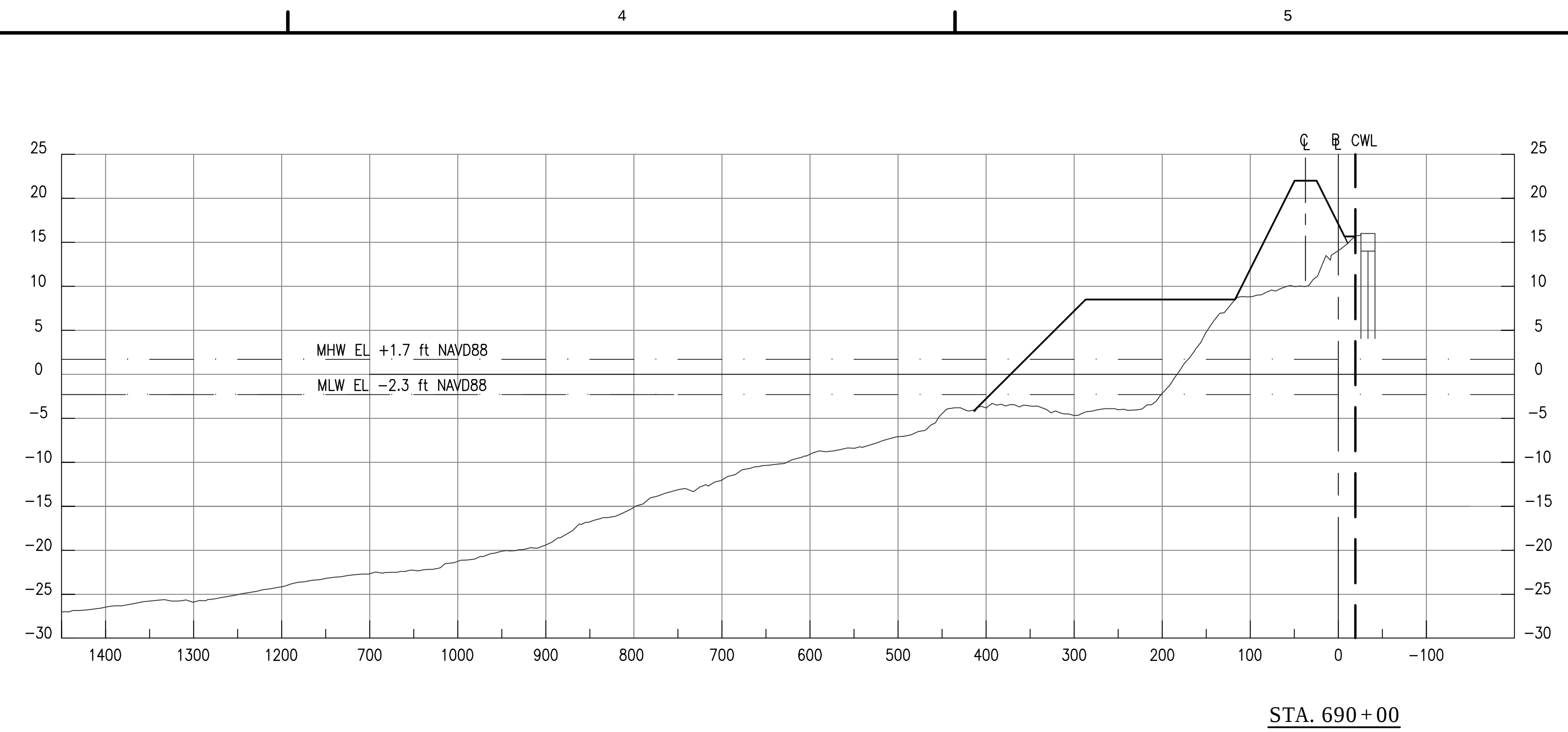
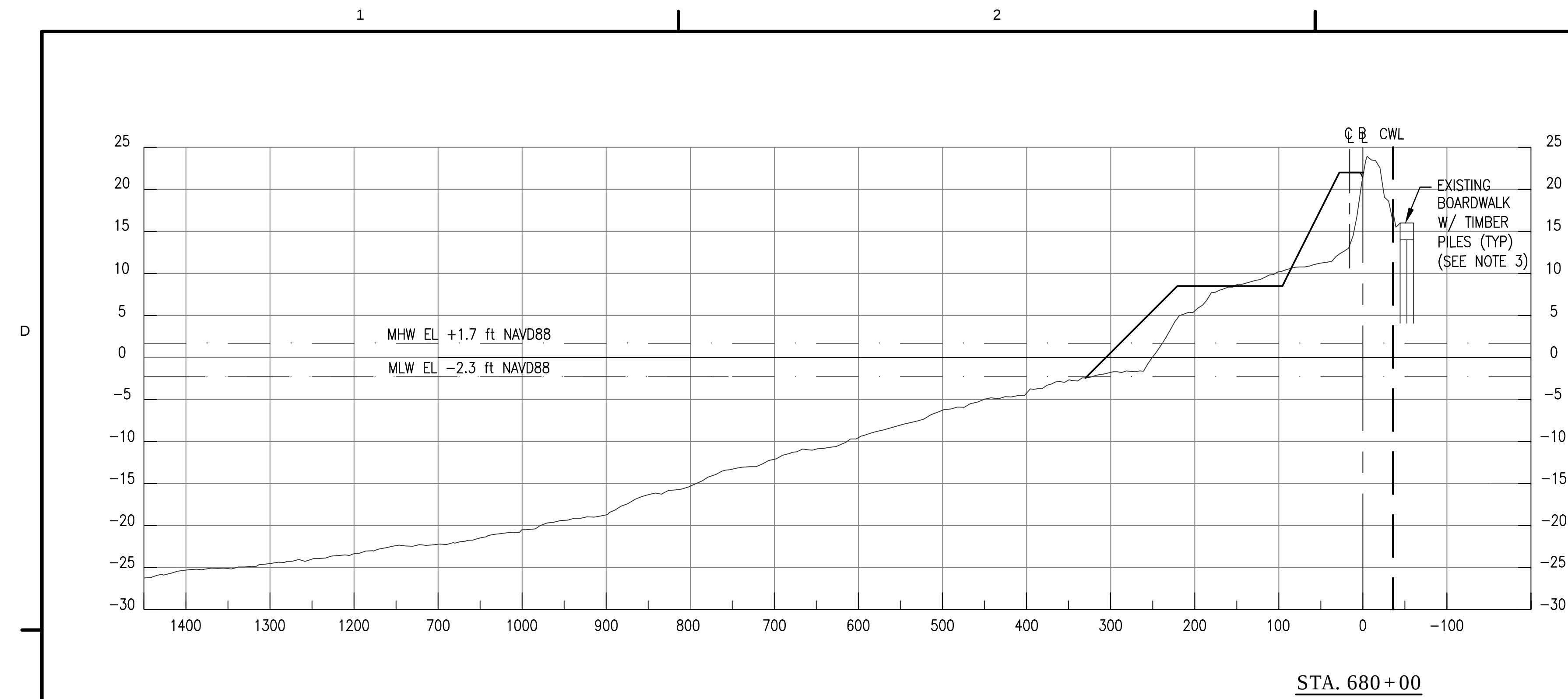
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SOLICITATION NUMBER: W97281-14-0013		DWG SCALE: 1" = 10'		CONTRACT NUMBER:	
FILE NAME: 30422_A01.E1		DWG. SIZE: 350 - 302 CROSS SECTIONS.DWG			
www.nap.usace.army.mil					

MANASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY

BEACHFILL
INITIAL CONSTRUCTION

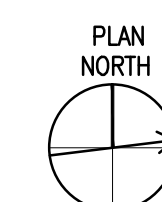
CROSS SECTIONS - STA. 610+00 TO STA. 650+00

SHEET NUMBER
CSP-300



NOTES:

1. CULTURAL EXCLUSION ZONES NOT SHOWN ON CROSS SECTIONS, SEE PLAN SHEET AND SPECIFICATIONS.
2. FOR TYPICAL SECTIONS, SEE SHEET CSP-200.
3. LENGTH OF EXISTING PILES IS UNKNOWN.



MATCHLINE
RE: CSP-102



U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 www.usace.army.mil	DWN BY: ADD:	DESIGNED BY: ADD:	ISSUANCE/LEASE DATE: 10/26/2006
	CND BY: DNN:	REVIEWED BY: DCL/TEH	AGENCY NUMBER: 4406
DWG SCALE: 1" = 100'		SOLICITATION NUMBER: W12BL144-0013	
DWG. SIZE: 35x42 Arch E		CONTRACT NUMBER: 08L100209	

MATCHLINE
RE: CSP-102
BERKELEY TOWNSHIP
BOBOLICH OF SEASIDE PARK

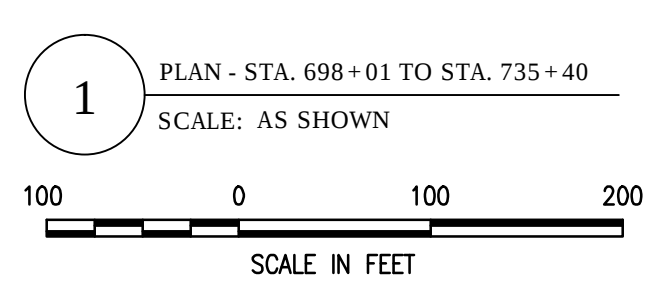
MINASQUAN INLET TO BARNEGAT INLET
OCEAN COUNTY, NEW JERSEY

BEACHFILL
INITIAL CONSTRUCTION

PLAN - STA. 698+01 TO STA. 735+40

SHEET NUMBER
CBL-100

CROSSOVER KEY		
CROSSOVER NO.	STATION	DETAIL NO./SHEET NO.
1	698+60	1/C-404
2	714+23	1/C-404
3	717+02	1/C-403
4	719+53	1/C-403
5	722+02	4/C-410
6	723+13	4/C-410
7	724+75	5/C-403



NOTES:

1. SEE SHEET C-001 FOR LEGEND AND GENERAL NOTES.
2. SEE SHEET C-102 FOR SURVEY AND CONSTRUCTION BASELINE GEOMETRY.
3. SEE SHEET C-104 FOR CONTRACTOR WORK LIMIT COORDINATES.
4. SEE SHEET CBL-200 FOR TYPICAL BEACHFILL SECTIONS, AND SHEETS CBL-300 FOR CROSS SECTIONS.
5. SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE AND SHEETS C-403 TO C-410 FOR PLANS OF CROSSEOVERS.
6. SEE SHEET C-419 FOR DUNE PLANTING AND FENCE DETAILS.
7. SEE SHEETS C-500 THROUGH C-502 FOR BORROW AREA PLANS.
8. NO ANCHORING OR PIPELINE PLACEMENT IS PERMITTED WITHIN ANY CULTURAL EXCLUSION ZONES. ONLY PLACEMENT OF BEACHFILL IS PERMITTED. SEE SPECIFICATIONS FOR RESTRICTIONS.
9. THE LOAD RATING OF THE EXISTING DECKS ARE UNKNOWN AND MAY NOT SUSTAIN THE WEIGHT OF CONSTRUCTION EQUIPMENT.
10. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE EXISTING WOOD BULKHEAD THAT OCCURS DURING THE BEACHFILL CONSTRUCTION AT NO EXPENSE TO THE GOVERNMENT.
11. ALL EXISTING LOUDSPEAKERS, POSTS AND WIRING LOCATED WITHIN THE PROJECT FOOTPRINT SHALL BE REMOVED.
12. CONSTRUCT ADA COMPLIANT STABILIZATION MAT. SEE SHEET C-401 FOR AREA OF MAT. SEE DETAIL 1/ C-420 FOR STABILIZATION MAT TO 1-5 THE IN. SEE SPECIFICATIONS FOR REQUIREMENTS.