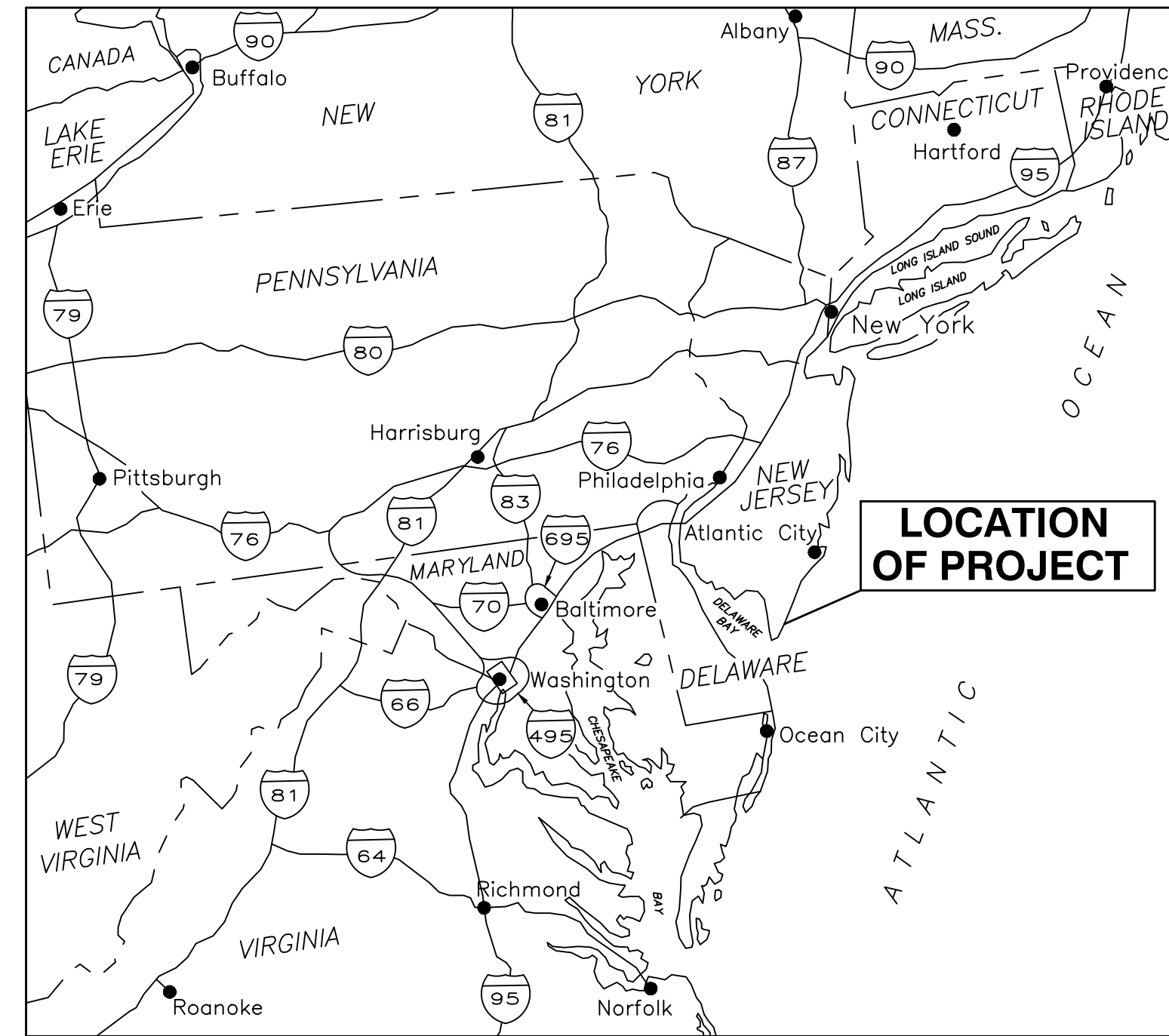


US Army Corps
of Engineers
PHILADELPHIA
DISTRICT

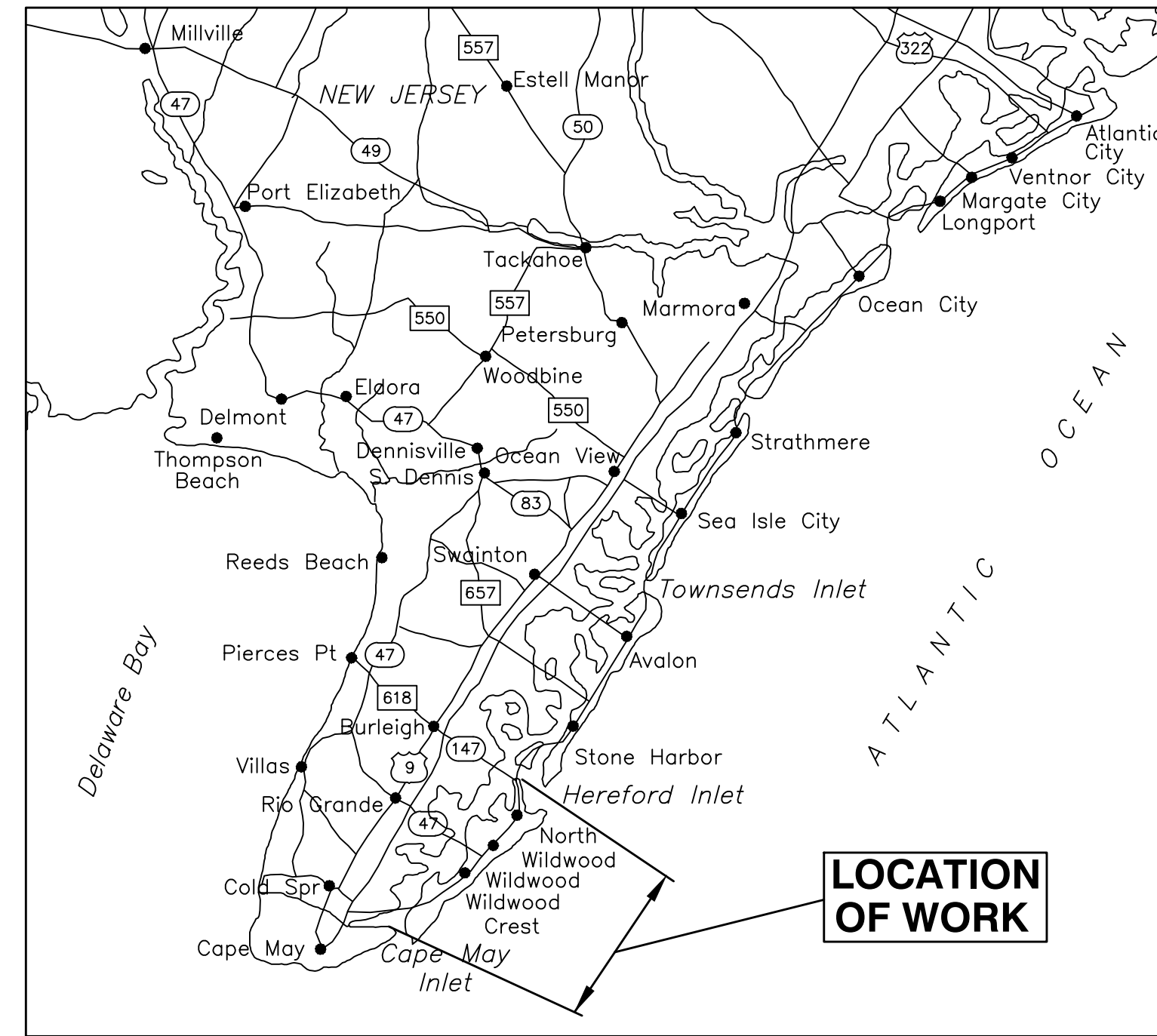
INITIAL CONSTRUCTION

HEREFORD INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY

DRAFT



VICINITY MAP
SCALE IN MILES



LOCATION MAP
SCALE IN MILES

SOLICITATION NO:-
CONTRACT NO:-
ISSUE/SUBMITTAL DATE:65%/17 JULY 2023

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 1110-1-8152.	SUBMITTED:
	BARBARA F. MOFFATT P.E. CHIEF, ENGINEERING BRANCH
	APPROVED:
	ANDREW J. SCHWAIGER, P.E. CHIEF, ENGINEERING AND CONSTRUCTION DIVISION

U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	ISSUE/SUBMITTAL DATE: 65%/17 JULY 2023	FILE NAME: /
	SOLICITATION NUMBER: /	DATE: / /
HEREFORD INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION COVER SHEET	CONTRACT NUMBER: /	MARK ACTION: /
	DESCRIPTION: /	DATE: / /
SHEET NUMBER	G-001	

1

2

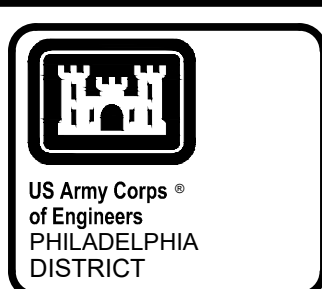
3

4

5

DRAWING INDEX	
SHEET NUMBER	DESCRIPTION
GENERAL	
G-001	COVER SHEET
G-002	DRAWING INDEX SHEET
CIVIL	
C-001	GENERAL INFORMATION SHEET
C-101	GENERAL PLAN
C-102	PLAN - STA -11+68.1 TO STA 25+50.0
C-103	PLAN - STA 25+50.0 TO STA 58+71.0
C-104	PLAN - STA 58+71.0 TO STA 92+78.8
C-105	PLAN - STA 92+78.8 TO STA 126+06.5
C-106	PLAN - STA 126+06.5 TO STA 159+08.6
C-107	PLAN - STA 159+08.6 TO STA 192+10.6
C-108	PLAN - STA 192+10.6 TO STA 225+12.5
C-109	PLAN - STA 225+12.5 TO STA 258+14.1
C-301	TYPICAL SECTIONS - BEACHFILL STA. -5+00 TO 8+00 (NORTH WILDWOOD)
C-302	TYPICAL SECTIONS - BEACHFILL (NORTH WILDWOOD)
C-303	TYPICAL SECTIONS - BEACHFILL (CITY OF WILDWOOD)
C-304	TYPICAL SECTIONS - BEACHFILL (WILDWOOD CREST & LOWER TOWNSHIP)
C-401	DUNE CROSSOVER SCHEDULE
C-402	PLAN - PEDESTRIAN CROSSOVER
C-403	PLAN - VEHICLE CROSSOVER
C-404	PLAN - ADA CROSSOVER
C-405	PLAN - ADA CROSSOVER
C-406	TYPICAL SECTION - PEDESTRIAN CROSSOVER
C-407	TYPICAL SECTION - VEHICLE CROSSOVER
C-408	TYPICAL SECTION - ADA CROSSOVER
C-501	DETAILS - FENCE
C-502	DETAILS - DUNE PLANTING AND SAND FENCE

DRAFT



D

C

B

A

MARK	DATE	BY	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	ISSUED BY: AJO UNM	ISSUED DATE: 06/20/17 JULY 2023
DWN BY: AJO UNM	DESIGNED BY: UNM	CONTRACT NUMBER:

HEREFOR INLET TO CAPE MAY INLET
CAPE MAY COUNTY, NEW JERSEY
INITIAL CONSTRUCTION
DRAWING INDEX SHEET

SHEET NUMBER
G-002

1

2

3

4

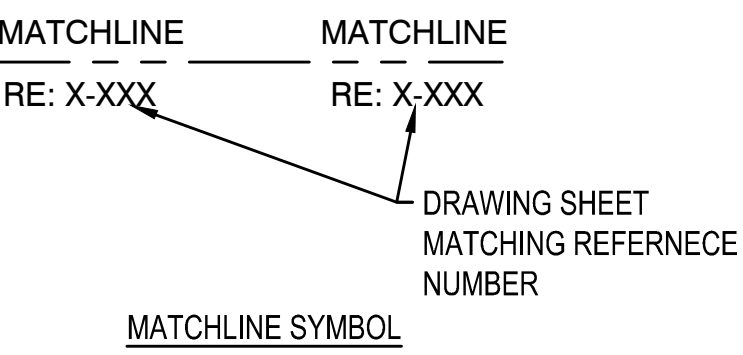
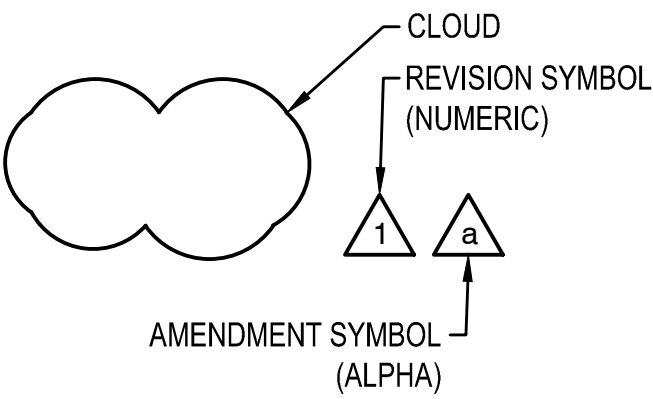
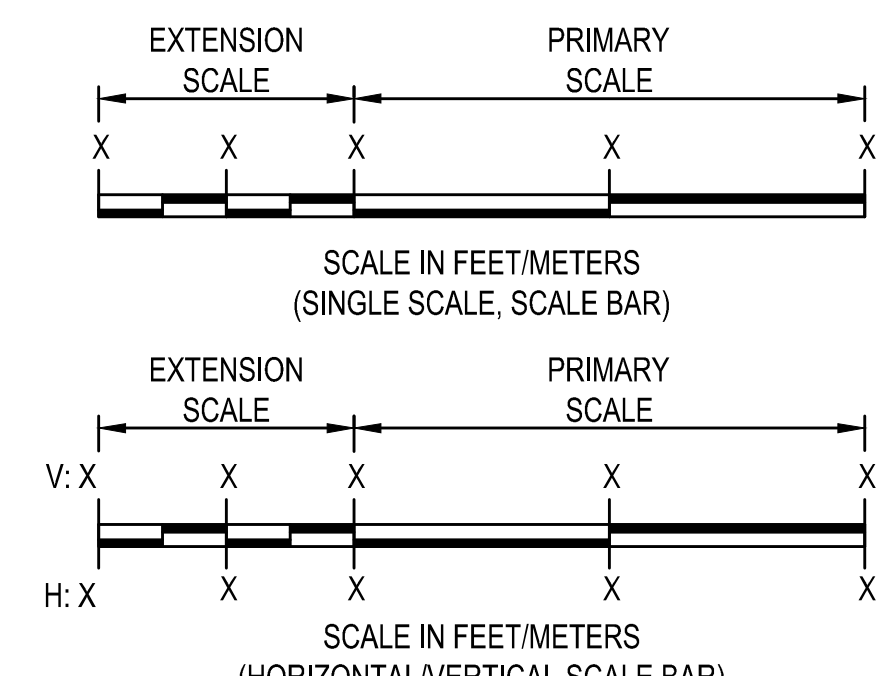
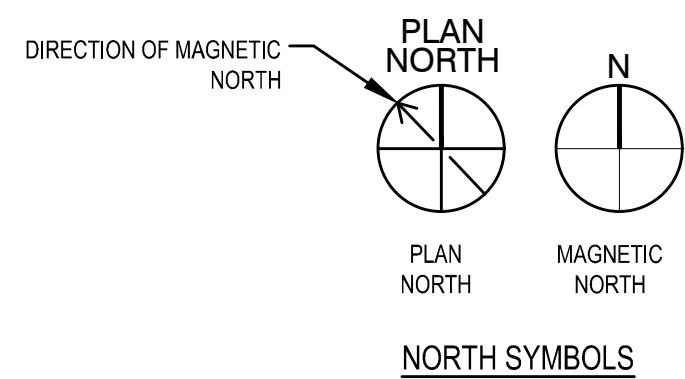
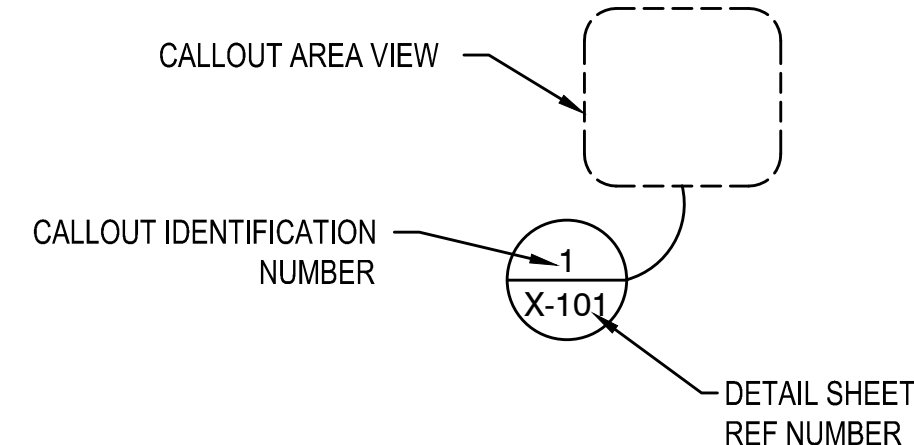
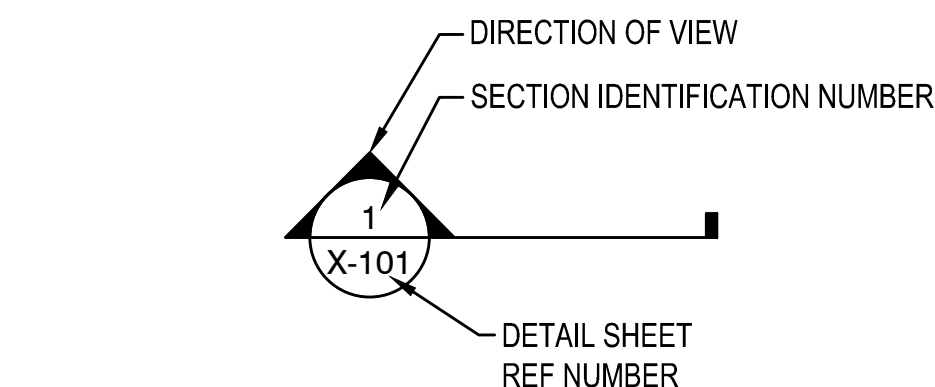
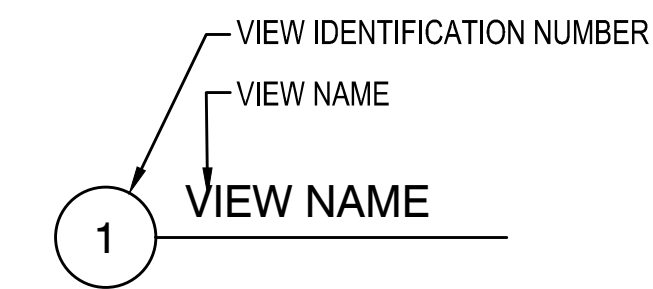
5

SYMBOLS, ABBREVIATIONS AND GENERAL NOTES



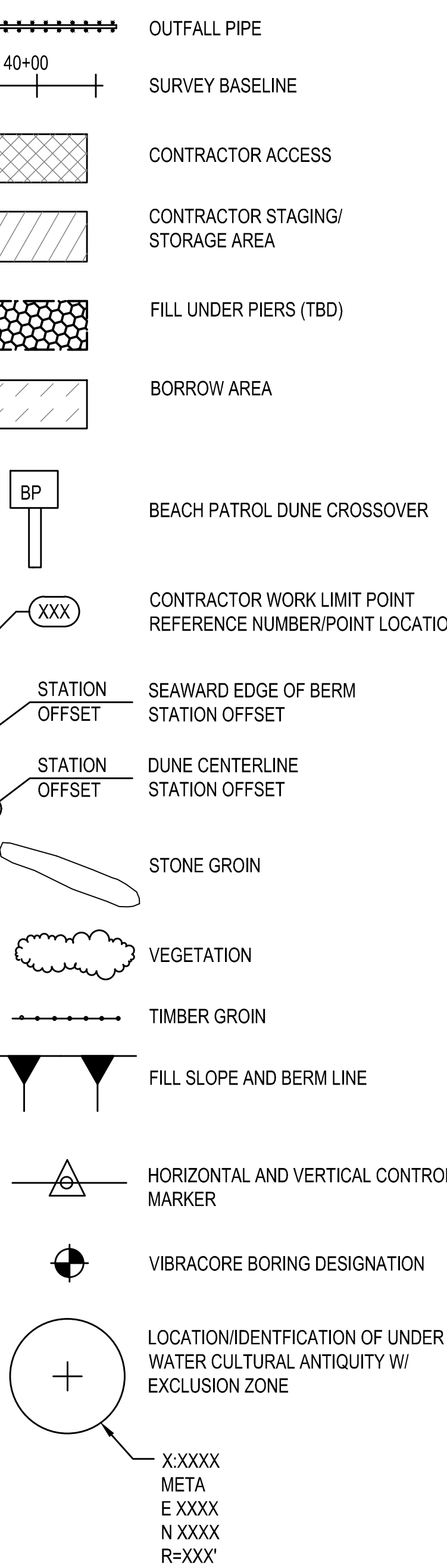
DRAFT

DRAWING SHEET SYMBOLS

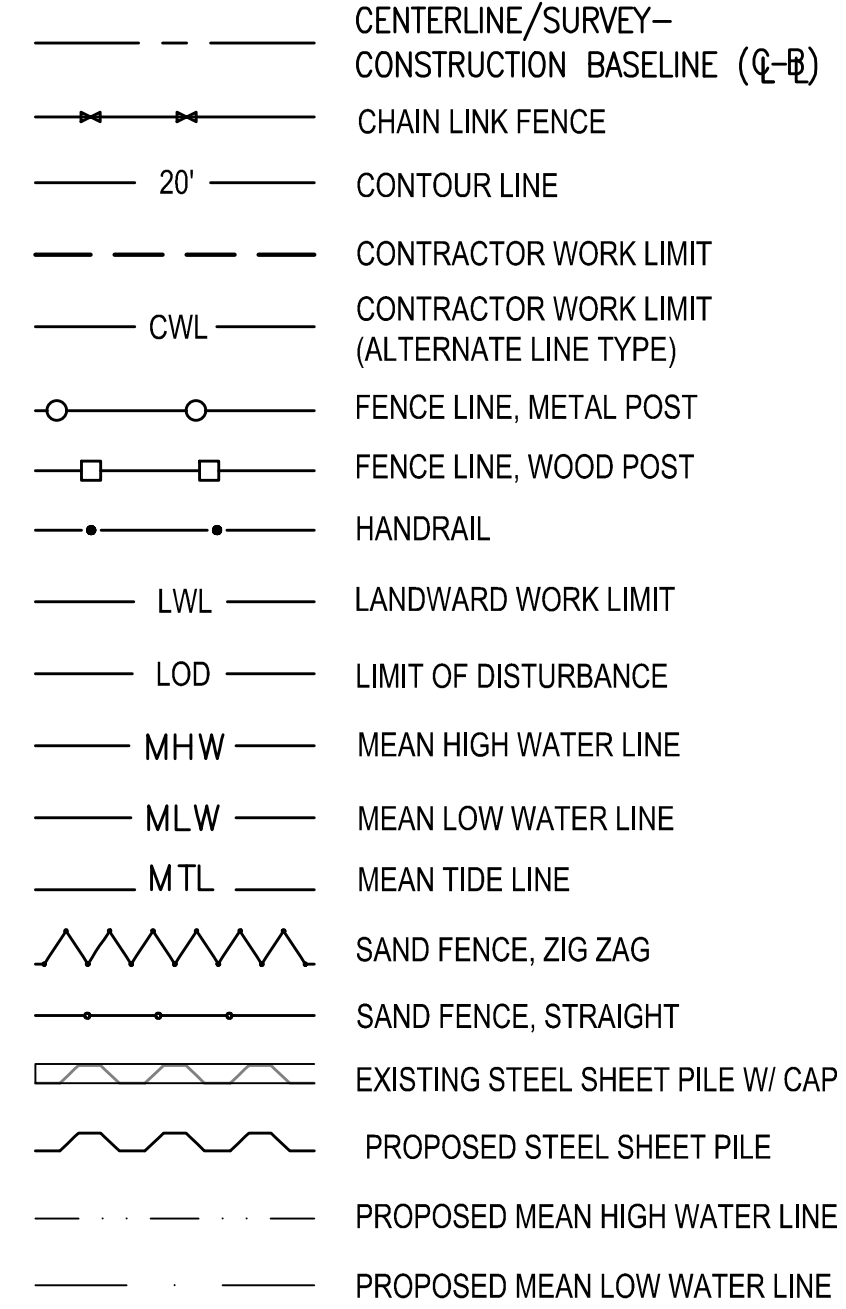


ABBREVIATIONS			
ABBRV	DESCRIPTION	ABBRV	DESCRIPTION
AD	AREA DRAIN	FDN	FOUNDATION
ADDL	ADDITIONAL	FF	FINISHED FLOOR
AFF	ABOVE FINISHED FLOOR	FIN	FINISH
BD	BOARD	FL	FLOOR
BIT	BITUMINOUS	FM	FORCE MAIN
BL or ̢	BASE LINE	FT	FOOT, FEET
BLDG	BUILDING	FTG	FOOTING
BM	BEAM	G	GROUND
BMP	BEST MANAGEMENT PRACTICE	GOVT	GOVERNMENT
BOT	BOTTOM	GR	GRADE
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION	HORIZ	HORIZONTAL
BVCS	BEGINNING OF VERTICAL CURVE STATION	HS	HIGH STRENGTH
CL or ̢	CENTERLINE	HT	HEIGHT
CMU	CONCRETE MASONRY UNIT	HVY	HEAVY
CO	CLEAN OUT	IN	INCH
COL	COLUMN	INSUL	INSULATION, INSULATED
CONC	CONCRETE	IINT	INTERIOR
CONSTR	CONSTRUCTION	INV	INVERT
CONT	CONTINUOUS	LL	LIVE LOAD
CTRL	CONTROL	LP	LOW POINT
CWL	CONTRACTOR WORK LIMITS	LT	LIGHT
DET	DETAIL	LVC	LENGTH OF VERTICAL CURVE
DGA	DENSE GRADED AGGREGATE	JCT	JUNCTION
DIA	DIAMETER	MATL	MATERIAL
DIM	DIMENSION	MAX	MAXIMUM
DL	DEAD LOAD	MIN	MINIMUM
DWG	DRAWING	MISC	MISCELLANEOUS
E	EAST	N	NORTH
EA	EACH	NLT	NOT LESS THAN
ECM	EROSION CONTROL MAT	NTS	NOT TO SCALE
EJ	EXPANSION JOINT	OC	ORIGINAL CONSTRUCTION
EL	ELEVATION	OD	OUTSIDE DIAMETER
ELEC	ELECTRIC	OH	OVERHEAD
EOP	EDGE OF PAVEMENT	OPG	OPENING
EOS	EDGE OF SHOULDER	OPP	OPPOSITE
EQ	EQUAL	PC	POINT OF CURVE
EQUIP	EQUIPMENT	PD	PAVEMENT DRAIN
EXH	EXHAUST	PI	POINT OF INFLECTION
EXIST or (E)	EXISTING	PIV	POST INDICATOR VALVE
EXP	EXPANSION, EXPOSED	POT	POINT OF TANGENT
EXP JT	EXPANSION JOINT	PMP	PROBABLE MAXIMUM PRECIPITATION
EXT	EXTERIOR	PNL	PANEL
FIG	FIGURE SINGLE	PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
		PVI	POINT OF VERTICAL INFLECTION
		RAD	RADIUS
		REINF	REINFORCEMENT
		REM	REMOVABLE
		ROW	RIGHT OF WAY
		S	SOUTH
		SCH	SCHEDULE
		SECT	SECTION
		SPEC	SPECIFICATION
		SPRT	SUPPORT
		SQ	SQUARE
		SST	STAINLESS STEEL
		STA	STATION
		STD	STANDARD
		STRUCT	STRUCTURAL
		SUSP	SUSPENDED
		SYS	SYSTEM
		TEMP	TEMPORARY
		TD	TRENCH DRAIN
		TDG	TRENCH DRAIN OUTLET PIPE
		TELE	TELEPHONE
		TOPO	TOPOGRAPHY
		TYP	TYPICAL
		UD	UNDERDRAIN
		UDO	UNDERDRAIN OUTLET PIPE
		UE	UNDERGROUND ELECTRIC
		UGND	UNDERGROUND
		UNO	UNLESS NOTED OTHERWISE
		UOP	UNDERDRAIN OUTLET PIPE
		UXO	UNEXPLODED ORDNANCE
		VB	VINYL BASE
		VC	VERTICAL CURVE
		VCT	VINYL COMPOSITION TILE
		VOL	VOLUME
		VERT	VERTICAL
		VTR	VENT THROUGH ROOF
		W	WITH
		W	WEST
		WL	WATER LEVEL
		WS	WATER SURFACE
		W/O	WITHOUT

BEACHFILL PLAN SYMBOLS LEGEND

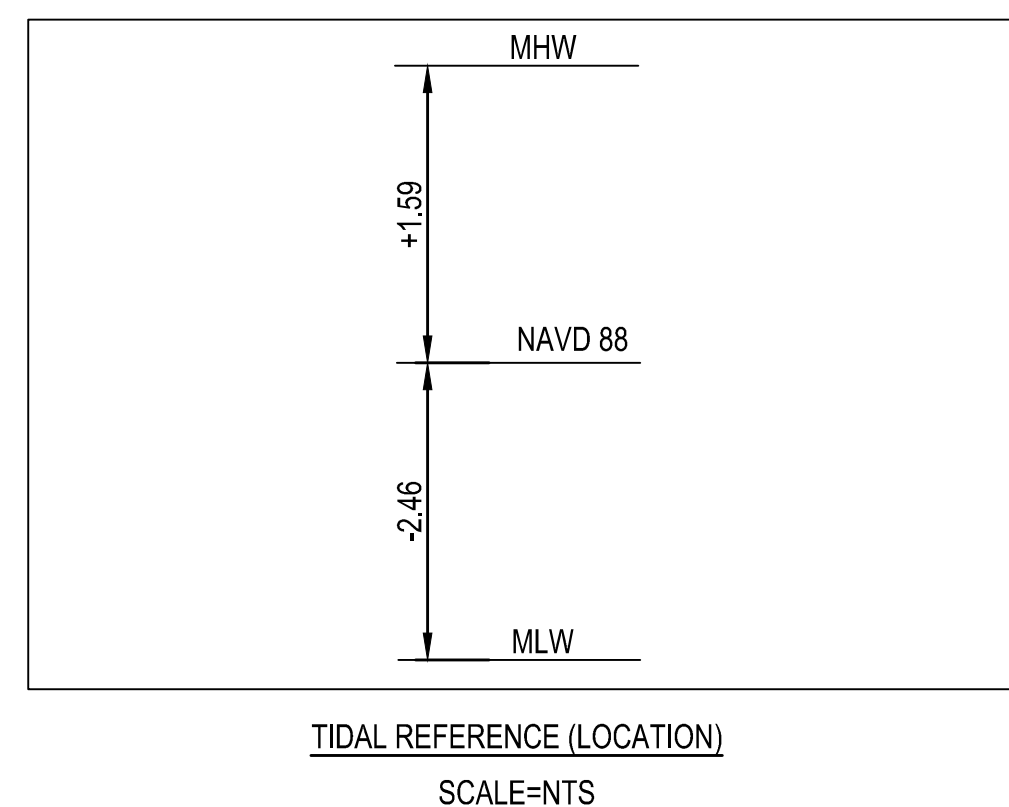


LINE TYPE LEGEND



GENERAL NOTES:

- ELEVATIONS ARE EXPRESSED IN FEET AND TENTHS OF A FOOT AND REFER TO THE NORTH AMERICAN VERTICAL DATUM (NAVD), 1988.
- HORIZONTAL CONTROL IS REFERENCED TO THE JERSEY STATE PLANE COORDINATE SYSTEM (NAD 1983).
- THE CONTRACTOR WORK LIMIT AND LIMIT OF DISTURBANCE LINES SHALL BE AS SHOWN ON SHEET C-XXX.
- THE CONTRACTOR SHALL STAGE AND ACCESS THE SITE FROM THE LOCATIONS SHOWN ON SHEET C-101.
- THE SITE CONDITION SURVEYS ARE A RESULT OF LIDAR SURVEY CONDUCTED IN 2016, BORROW AREA SURVEY JANUARY 2017 AND NORTH WILDWOOD GEOMETRY WAS UPDATED USING AS BUILT SURVEYS FROM 2021. THESE PLANS CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE CONDITIONS OCCURRING AT THAT TIME.
- THE CONTRACTOR MUST COORDINATE WITH ALL APPROPRIATE UTILITY COMPANIES AND THE USACE RESIDENT OFFICE FOR MARK-OUT OF ONSITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.



ISSUE/REVISION DATE: 06/17/2023	DESIGNED BY: GMS	CONTRACT NUMBER:
APPROVED BY: GMS	DRAWN BY: DAN	PROJ. SCALE:
		NTS
		DWG. SIZE:
		11x17
		FILE NAME:
		11-23-001

HEREFOR INLET TO CAPE MAY INLET
CAPE MAY COUNTY, NEW JERSEY
INITIAL CONSTRUCTION
GENERAL INFORMATION SHEET

SHEET NUMBER
C-001

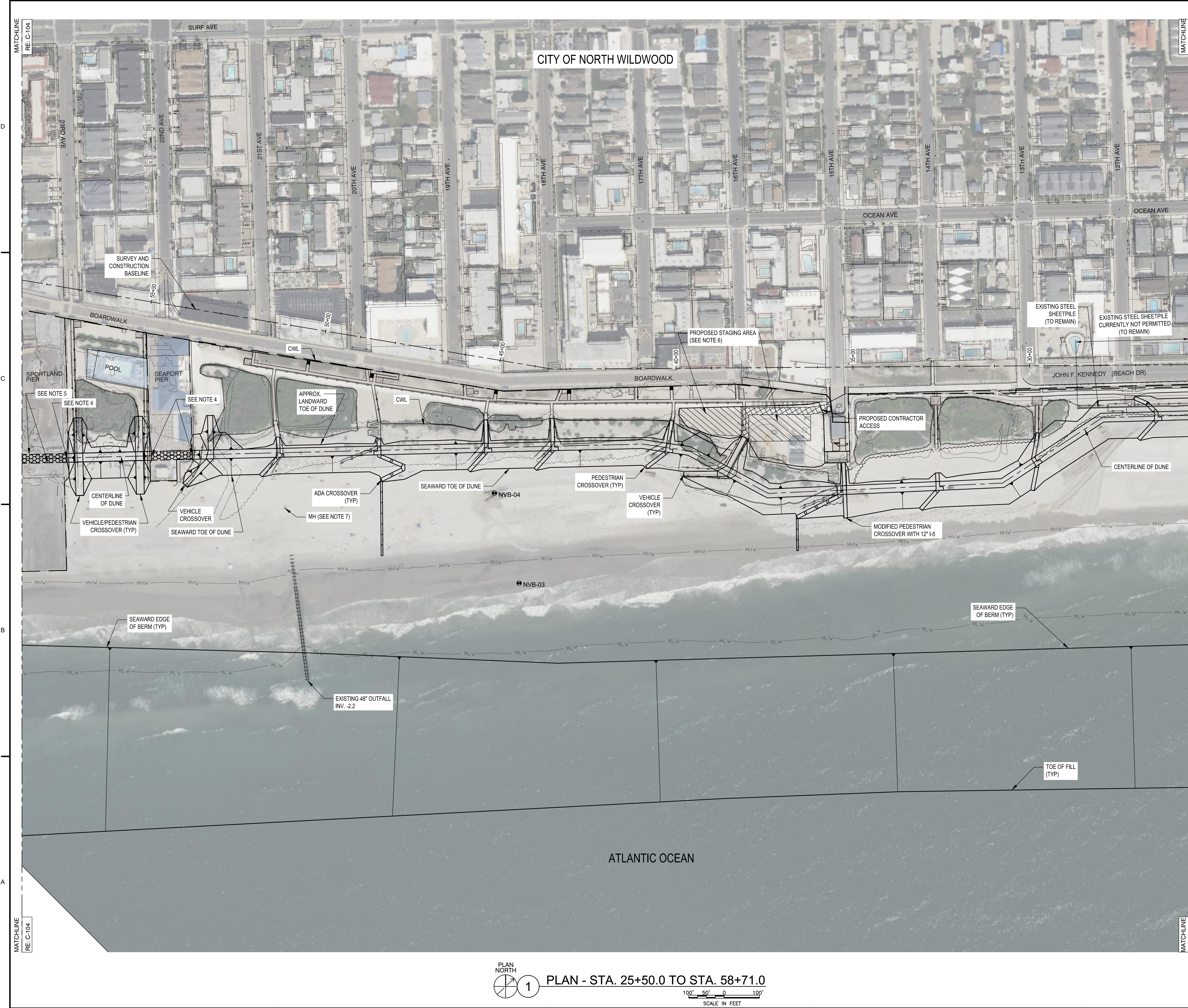


DRAFT

PLAN - STA. 11+68.1 TO STA. 25+50.0
 SCALE IN FEET
 100' 50' 0 100'

- NOTES:**
1. SEE SHEET C-001 FOR GENERAL NOTES.
 2. SEE SHEET C-301 FOR TYPICAL BEACHFILL SECTIONS.
 3. SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE.
 4. PROTECT EXISTING SIDEWALK AND BIKE PATH WITHIN THE CWL FROM DAMAGE. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE INCURRED TO THE SIDEWALK AND BIKE PATH DUE TO CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE GOVERNMENT.

 U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	
DESIGNED BY: [REDACTED] ADJUSTED BY: [REDACTED] DRAWN BY: [REDACTED]	ISSUANCE DATE: 08/07/2023 PROJECT NUMBER: [REDACTED] SOLICITATION NUMBER: [REDACTED] CONTRACT NUMBER: [REDACTED]
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 www.usace.army.mil	
HEREFORD INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION PLAN - STA. 11+68.1 TO STA. 25+50.0	
SHEET NUMBER C-102	



CITY OF NORTH WILDWOOD

ATLANTIC OCEAN

DRAFT



NO.	DATE	BY	MARK	ACTION	DESCRIPTION

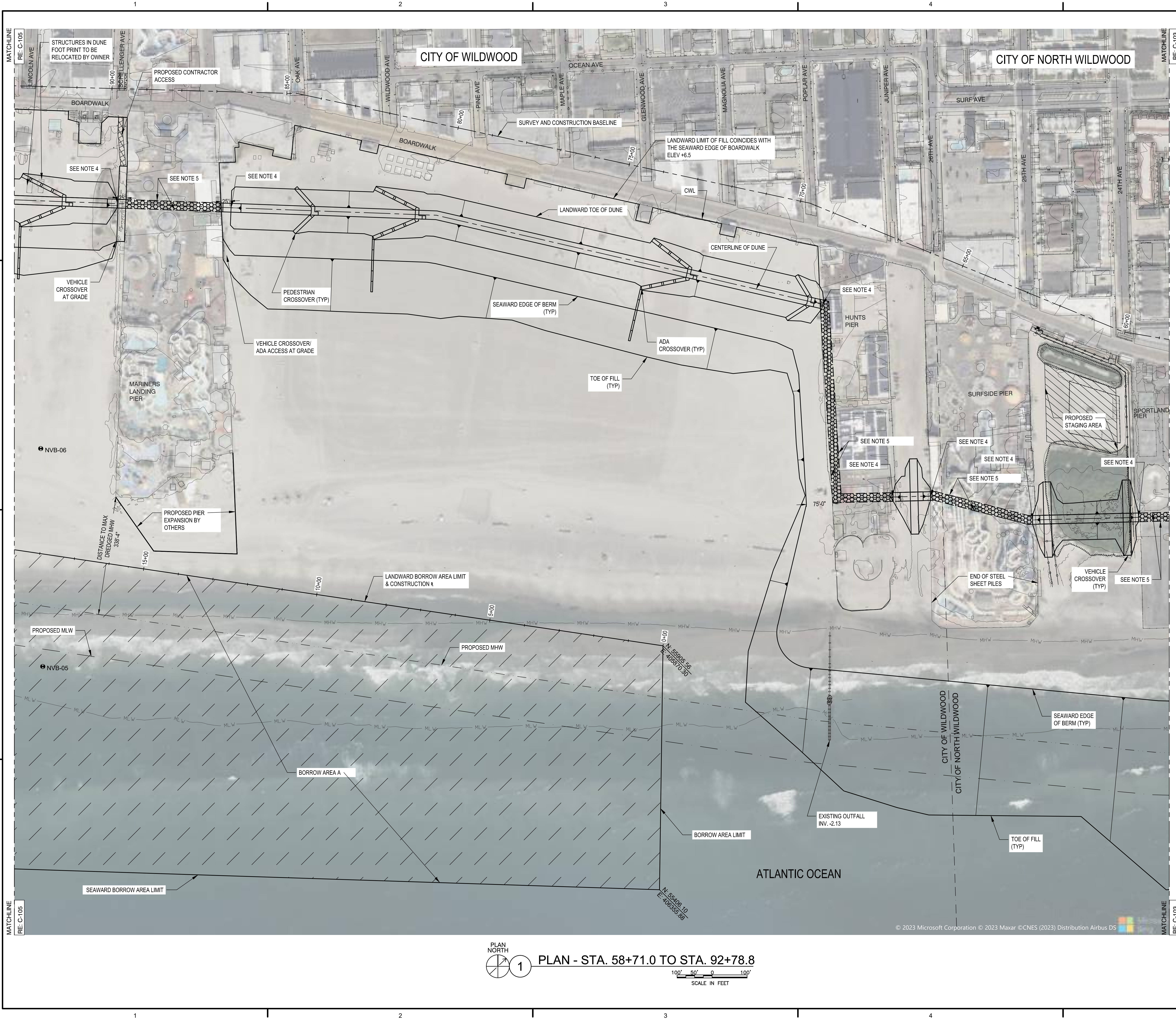
DESIGNED BY	ISSUE/RELEASE DATE
PHILADELPHIA DISTRICT	08/07/2023
PHILADELPHIA, PA 19107-3380	PROJECT NUMBER
www.usace.army.mil	SOLICITATION NUMBER
	CONTRACT NUMBER
	FILE NUMBER

HEREFORD INLET TO CAPE MAY INLET
CAPE MAY COUNTY, NEW JERSEY
INITIAL CONSTRUCTION
PLAN - STA. 25+50.0 TO STA. 58+71.0

SHEET NUMBER
C-103

- NOTES:**
- SEE SHEET C-001 FOR GENERAL NOTES.
 - SEE SHEET C-301 FOR TYPICAL BEACHFILL SECTIONS.
 - SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE.
 - THE DUNE INTO EXISTING GROUND AT PIER BOUNDARY AS SHOWN WITH A 1V:3H SLOPE.
 - THE EXTENT OF PLACEMENT OF BERM MATERIAL UNDER PIERS IS TBD. THE CONTRACTOR SHALL HAND PLACE FILL MATERIAL FOR BERM ONLY AS REQUIRED UNDER THE EXISTING PIERS. THE CONTRACTOR SHALL NOT DAMAGE ANY PORTION OF PIERS.
 - PROTECT EXISTING SIDEWALK AND BIKE PATH WITHIN THE CWL FROM DAMAGE. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE INCURRED TO THE SIDEWALK AND BIKE PATH DUE TO CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE GOVERNMENT.
 - EXISTING MANHOLE TO BE PROTECTED DURING BEACHFILL OPERATIONS.
 - STAGING AREA TO BE GRADED TO ELEVATION 6.5 AT THE COMPLETION OF THE PROJECT.

PLAN NORTH
1
PLAN - STA. 25+50.0 TO STA. 58+71.0
SCALE IN FEET
100' 50' 0 100'



- NOTES:**
- SEE SHEET C-001 FOR GENERAL NOTES.
 - SEE SHEET C-302 FOR TYPICAL BEACHFILL AND BORROW AREA SECTIONS.
 - SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE.
 - TIE DUNE INTO EXISTING GROUND AT PIER BOUNDARY AS SHOWN WITH A 1V:3H SLOPE.
 - THE EXTENT OF PLACEMENT OF BERM MATERIAL UNDER PIERS IS TBD. THE CONTRACTOR SHALL HAND PLACE FILL MATERIAL FOR BERM ONLY AS REQUIRED UNDER THE EXISTING PIERS. THE CONTRACTOR SHALL NOT DAMAGE ANY PORTION OF PIERS.
 - CONTRACTOR SHALL RAKE AREAS OF EXISTING BEACH DISTURBED DURING CONSTRUCTION, BETWEEN THE LANDWARD LIMIT OF EXCAVATION AND THE TOE OF FILL.
 - BORROW AREA A TO BE EXHAUSTED PRIOR TO USING AREA B.

DRAFT

DESIGNED BY: <small>PHILADELPHIA DISTRICT</small>	ISSUE/RELEASE DATE: <small>06/27/2023</small>
DRAWN BY: <small>DAW</small>	PROJECT NUMBER: <small>19073390</small>
SCALE: <small>1"=100'</small>	SOLICITATION NUMBER: <small>19073390</small>
DWG. SIZE: <small>22" x 34"</small>	CONTRACT NUMBER: <small>19073390</small>
<small>FILE NAME: \\P:\PROJECTS\19073390\19073390.dwg</small>	
<small>U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3390 www.usace.army.mil</small>	
<small>HEREFORD INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION PLAN - STA. 58+71.0 TO STA. 92+78.8</small>	
<small>SHEET NUMBER</small>	
<h2>C-104</h2>	

PLAN NORTH

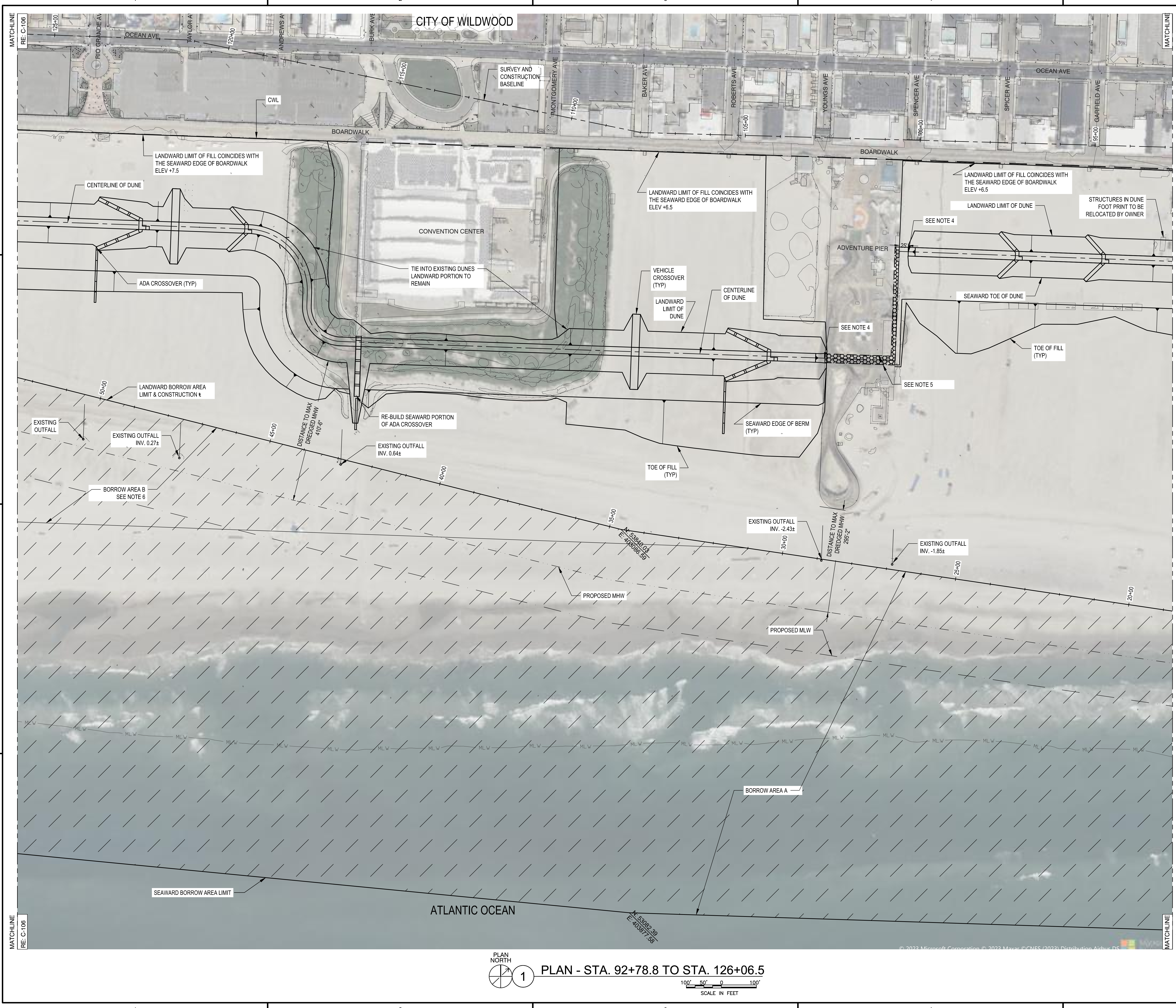
1

PLAN - STA. 58+71.0 TO STA. 92+78.8

100' 50' 0' 100'

SCALE IN FEET

© 2023 Microsoft Corporation © 2023 Maxar © CNES (2023) Distribution Airbus DS

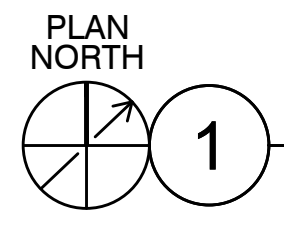
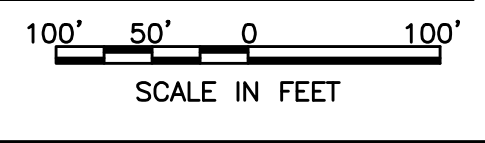


DRAFT

NOTES:

1. SEE SHEET C-001 FOR GENERAL NOTES.
2. SEE SHEET C-302 FOR TYPICAL BEACHFILL AND BORROW AREA SECTIONS.
3. SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE.
4. THE DUNE TIE INTO EXISTING GROUND AT PIER BOUNDARY AS SHOWN WITH A 1V:3H SLOPE.
5. THE EXTENT OF PLACEMENT OF BERM MATERIAL UNDER PIERS IS TBD. THE CONTRACTOR SHALL HAND PLACE FILL MATERIAL FOR BERM ONLY AS REQUIRED UNDER THE EXISTING PIERS. THE CONTRACTOR SHALL NOT DAMAGE ANY PORTION OF PIERS.
6. CONTRACTOR SHALL RAKE AREAS OF EXISTING BEACH DISTURBED DURING CONSTRUCTION, BETWEEN THE LANDWARD LIMIT OF EXCAVATION AND THE TOE OF FILL.
7. BORROW AREA A TO BE UTILIZED COMPLETELY PRIOR TO USING AREA B.

PLAN - STA. 92+78.8 TO STA. 126+06.5



 <small>U.S. Army Corps of Engineers Philadelphia District</small>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">DESIGNED BY 08/07/18 JLV/STJ</td> <td style="font-size: 8px;">ISSUE/RELEASE DATE</td> </tr> <tr> <td style="font-size: 8px;">DRAWN BY JAN</td> <td style="font-size: 8px;">PROJECT NUMBER</td> </tr> <tr> <td style="font-size: 8px;">CHECKED BY JAN</td> <td style="font-size: 8px;">SOLICITATION NUMBER</td> </tr> <tr> <td style="font-size: 8px;">DATE 08/07/18</td> <td style="font-size: 8px;">CONTRACT NUMBER</td> </tr> <tr> <td colspan="2" style="font-size: 8px;">FILE NAME: S:\Projects\180818\180818-01\180818-01.dwg</td> </tr> </table>	DESIGNED BY 08/07/18 JLV/STJ	ISSUE/RELEASE DATE	DRAWN BY JAN	PROJECT NUMBER	CHECKED BY JAN	SOLICITATION NUMBER	DATE 08/07/18	CONTRACT NUMBER	FILE NAME: S:\Projects\180818\180818-01\180818-01.dwg		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">OWNER CAPE MAY COUNTY, NEW JERSEY</td> <td style="font-size: 8px;">DRAWING SCALE 1"=100'</td> </tr> <tr> <td style="font-size: 8px;">PROJECT INITIAL CONSTRUCTION</td> <td style="font-size: 8px;">DRAWING SIZE 22" x 36"</td> </tr> <tr> <td style="font-size: 8px;">SHEET NUMBER C-105</td> <td style="font-size: 8px;">DRAWING NUMBER PLAN - STA. 92+78.8 TO STA. 126+06.5</td> </tr> </table>	OWNER CAPE MAY COUNTY, NEW JERSEY	DRAWING SCALE 1"=100'	PROJECT INITIAL CONSTRUCTION	DRAWING SIZE 22" x 36"	SHEET NUMBER C-105	DRAWING NUMBER PLAN - STA. 92+78.8 TO STA. 126+06.5
DESIGNED BY 08/07/18 JLV/STJ	ISSUE/RELEASE DATE																
DRAWN BY JAN	PROJECT NUMBER																
CHECKED BY JAN	SOLICITATION NUMBER																
DATE 08/07/18	CONTRACT NUMBER																
FILE NAME: S:\Projects\180818\180818-01\180818-01.dwg																	
OWNER CAPE MAY COUNTY, NEW JERSEY	DRAWING SCALE 1"=100'																
PROJECT INITIAL CONSTRUCTION	DRAWING SIZE 22" x 36"																
SHEET NUMBER C-105	DRAWING NUMBER PLAN - STA. 92+78.8 TO STA. 126+06.5																



DRAFT



NO.	DATE	BY	MARK	ACTION	DESCRIPTION

DESIGNED BY	ISSUED/RELEASE DATE	FILE NUMBER	SUBMITTAL NUMBER
ADJUSTED BY	REVISED BY	CONTRACT NUMBER	
DWG SCALE	DWG. SIZE	FILE NAME	
1"=100'	30" X 42"	C:\WORK\PROJECTS\126+06.5 TO STA 159+08.6	

OWN BY: PHILADELPHIA DISTRICT
 U.S. ARMY CORPS OF ENGINEERS
 PHILADELPHIA DISTRICT
 PHILADELPHIA, PA 19107-5380
 WWW.USACE.DISTRICTS.PHILA.DISTRICTS.MIL

HEREFOR INLET TO CAPE MAY INLET
 CAPE MAY COUNTY, NEW JERSEY
 INITIAL CONSTRUCTION
 PLAN - STA. 126+06.5 TO STA. 159+08.6

SHEET NUMBER
C-106

- NOTES:**
- SEE SHEET C-001 FOR GENERAL NOTES.
 - SEE SHEET C-302 FOR TYPICAL BEACHFILL AND BORROW AREA SECTIONS.
 - SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE.
 - DUNES ARE TO END AT EDGE OF PIERS AND SLOPE DOWN TO 3H:1V.
 - CONTRACTOR SHALL RAKE AREAS OF EXISTING BEACH DISTURBED DURING CONSTRUCTION, BETWEEN THE LANDWARD LIMIT OF EXCAVATION AND THE TOE OF FILL.
 - BORROW AREA A TO BE EXHAUSTED PRIOR TO USING AREA B.

PLAN NORTH
 1 PLAN - STA. 126+06.5 TO STA. 159+08.6
 SCALE IN FEET
 100' 50' 0 100'

©2018 DigitalGlobe NextView License

© 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS



DRAFT

 US Army Corps of Engineers Philadelphia District																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">DATE</th> <th style="width: 10%;">BY</th> <th style="width: 80%;">DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	DATE	BY	DESCRIPTION										<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"> DESIGNED BY 08/27/2023 </td> <td style="width: 20%;"> ISSUED BY 08/27/2023 </td> <td style="width: 20%;"> PROJECT NUMBER 191073380 </td> <td style="width: 20%;"> SOLICITATION NUMBER 191073380 </td> <td style="width: 20%;"> CONTRACT NUMBER 191073380 </td> </tr> <tr> <td colspan="5"> FILE NAME: \\P:\Projects\191073380\191073380.dwg </td> </tr> </table>	DESIGNED BY 08/27/2023	ISSUED BY 08/27/2023	PROJECT NUMBER 191073380	SOLICITATION NUMBER 191073380	CONTRACT NUMBER 191073380	FILE NAME: \\P:\Projects\191073380\191073380.dwg				
DATE	BY	DESCRIPTION																					
DESIGNED BY 08/27/2023	ISSUED BY 08/27/2023	PROJECT NUMBER 191073380	SOLICITATION NUMBER 191073380	CONTRACT NUMBER 191073380																			
FILE NAME: \\P:\Projects\191073380\191073380.dwg																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> OWNER: U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 191073380 www.usace.army.mil </td> <td style="width: 50%;"> HEREFOR INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION PLAN - STA 159+08.6 TO STA 192+10.6 </td> </tr> </table>					OWNER: U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 191073380 www.usace.army.mil	HEREFOR INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION PLAN - STA 159+08.6 TO STA 192+10.6																	
OWNER: U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 191073380 www.usace.army.mil	HEREFOR INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION PLAN - STA 159+08.6 TO STA 192+10.6																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">SHEET NUMBER</td> <td style="width: 50%;">C-107</td> </tr> </table>					SHEET NUMBER	C-107																	
SHEET NUMBER	C-107																						

- NOTES:**
- SEE SHEET C-001 FOR GENERAL NOTES.
 - SEE SHEET C-302 FOR TYPICAL BEACHFILL AND BORROW AREA SECTIONS.
 - SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE.
 - CONTRACTOR SHALL RAKE AREAS OF EXISTING BEACH DISTURBED DURING CONSTRUCTION, BETWEEN THE LANDWARD LIMIT OF EXCAVATION AND THE TOE OF FILL.
 - BORROW AREA A TO BE EXHAUSTED PRIOR TO USING AREA B.

PLAN - STA. 159+08.6 TO STA. 192+10.6
 SCALE IN FEET
 100' 50' 0 100'

© 2023 Microsoft Corporation © 2023 Maxar © CNES (2023) Distribution Airbus DS

MATCHLINE RE: C-108
©2018 DigitalGlobe NextView License

MATCHLINE RE: C-106



DRAFT

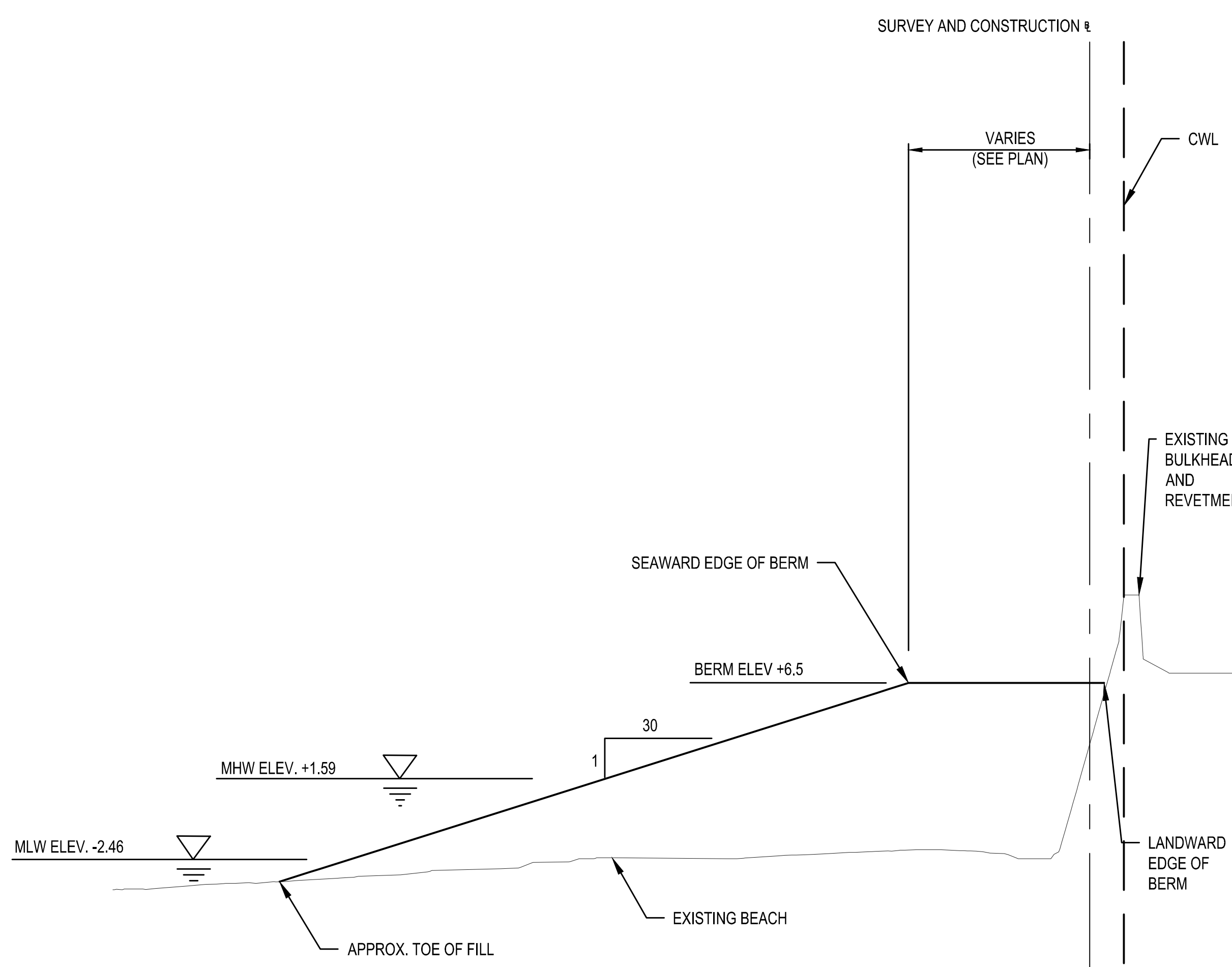
 U.S. Army Corps of Engineers Philadelphia District	
DESIGNED BY: [NAME] CHECKED BY: [NAME] DATE: [DATE]	PROJECT NUMBER: [NUMBER] SOLICITATION NUMBER: [NUMBER] CONTRACT NUMBER: [NUMBER]
HEREFOR INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION PLAN - STA 192+10.6 TO STA 225+12.5	
SHEET NUMBER C-108	

- NOTES:**
1. SEE SHEET C-001 FOR GENERAL NOTES.
 2. SEE SHEET C-302 FOR TYPICAL BEACHFILL AND BORROW AREA SECTIONS.
 3. SEE SHEET C-401 FOR DUNE CROSSOVER SCHEDULE.
 4. CONTRACTOR SHALL RAKE AREAS OF EXISTING BEACH DISTURBED DURING CONSTRUCTION, BETWEEN THE LANDWARD LIMIT OF EXCAVATION AND THE TOE OF FILL.
 5. BORROW AREA A TO BE EXHAUSTED PRIOR TO USING AREA B.

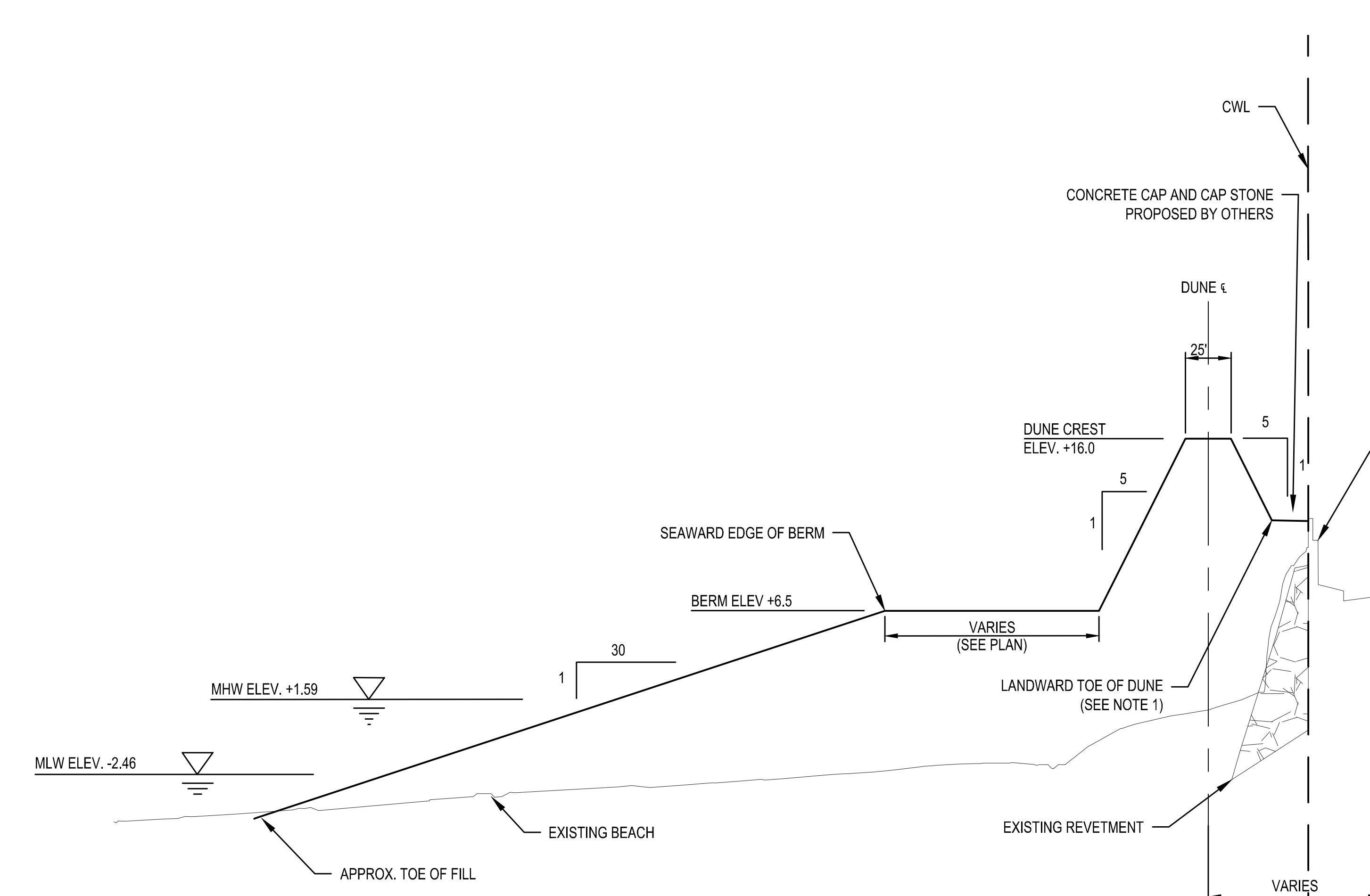
PLAN NORTH
PLAN - STA. 192+10.6 TO STA. 225+12.5

 SCALE IN FEET

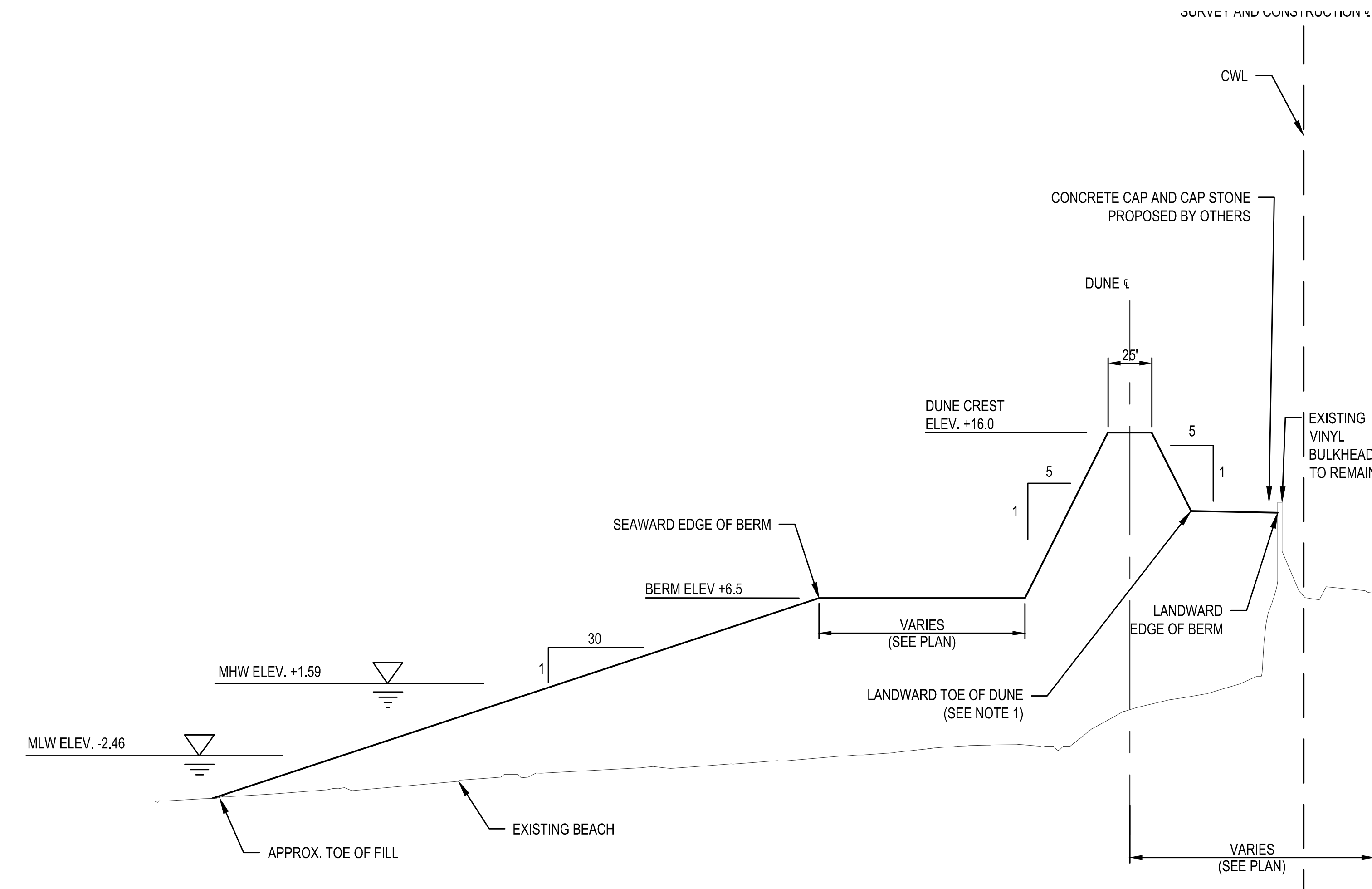
© 2023 Microsoft Corporation © 2023 Maxar © CNES (2023) Distribution Airbus DS



1 TYPICAL SECTION- STA -5+00 TO STA. 0+00 (NORTH WILDWOOD)
NTS



2 PLAN - TYPICAL SECTION STA. 0+00 TO 3+30 (NORTH WILDWOOD)
NTS



3 PLAN - TYPICAL SECTION STA. 3+30 TO 8+00 (NORTH WILDWOOD)
NTS

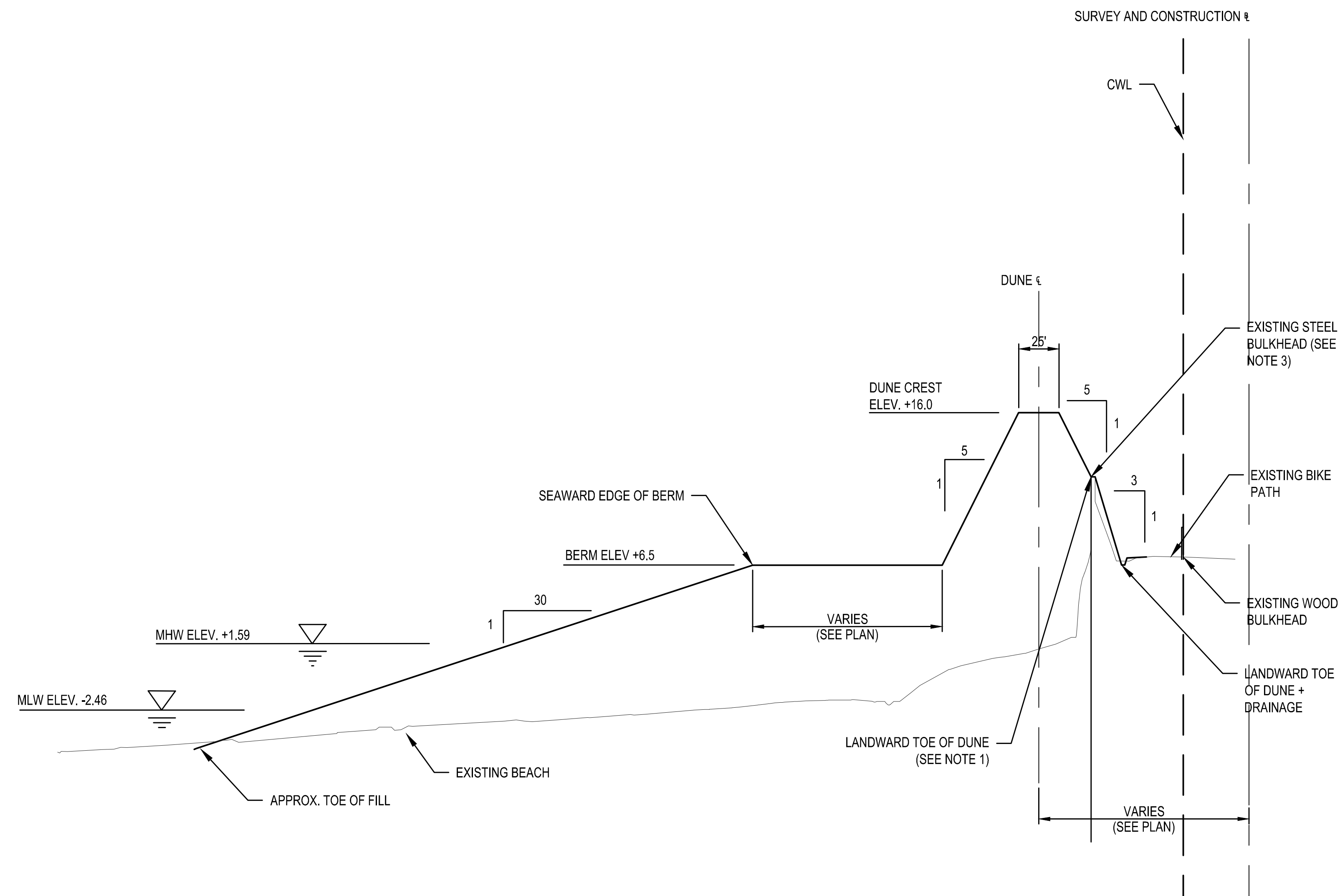
DRAFT

- NOTES:**
1. PLACE FILL MATERIAL TO ELEVATION +11.5 BETWEEN EXISTING BULKHEAD/REVTMENT AND THE LANDWARD TOE OF DUNE.
 2. MINIMIZE DISTURBANCE TO VEGETATION ON EXISTING DUNE.

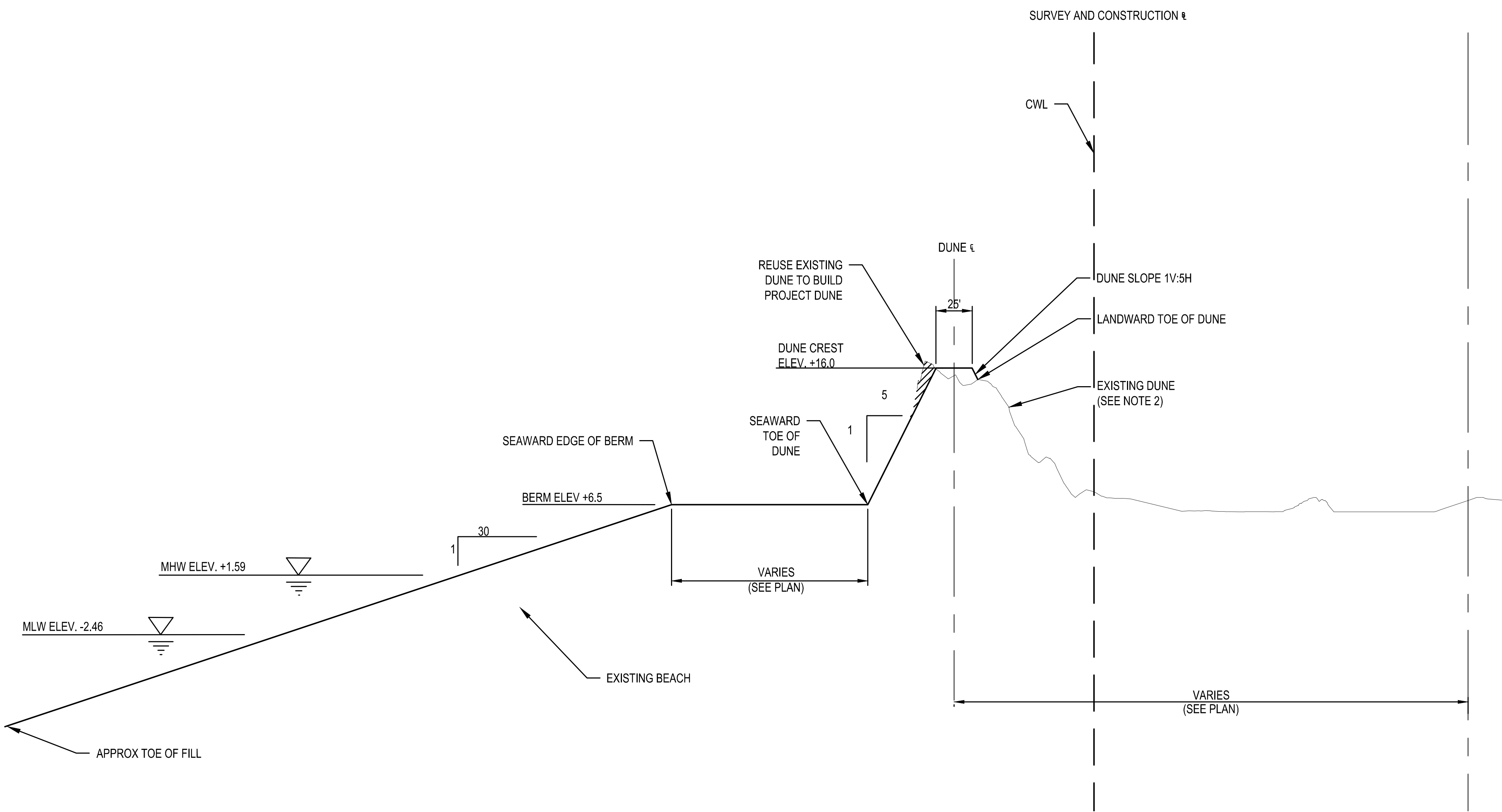
US Army Corps of Engineers Philadelphia District	
DESIGNED BY: [] CHECKED BY: [] DATE: []	PROJECT NUMBER: [] SOLICITATION NUMBER: [] CONTRACT NUMBER: []
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3390 www.usace.army.mil	
HEREFORD INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION TYPICAL SECTIONS - BEACHFILL STA. -5+00 TO STA. 8+00 (NORTH WILDWOOD)	
SHEET NUMBER C-301	



DRAFT



1 TYPICAL SECTION - STA. 8+00 TO STA. 28+00 (NORTH WILDWOOD) NTS



2 PLAN - TYPICAL SECTION STA. 28+00 TO STA. 68+00 (NORTH WILDWOOD) NTS

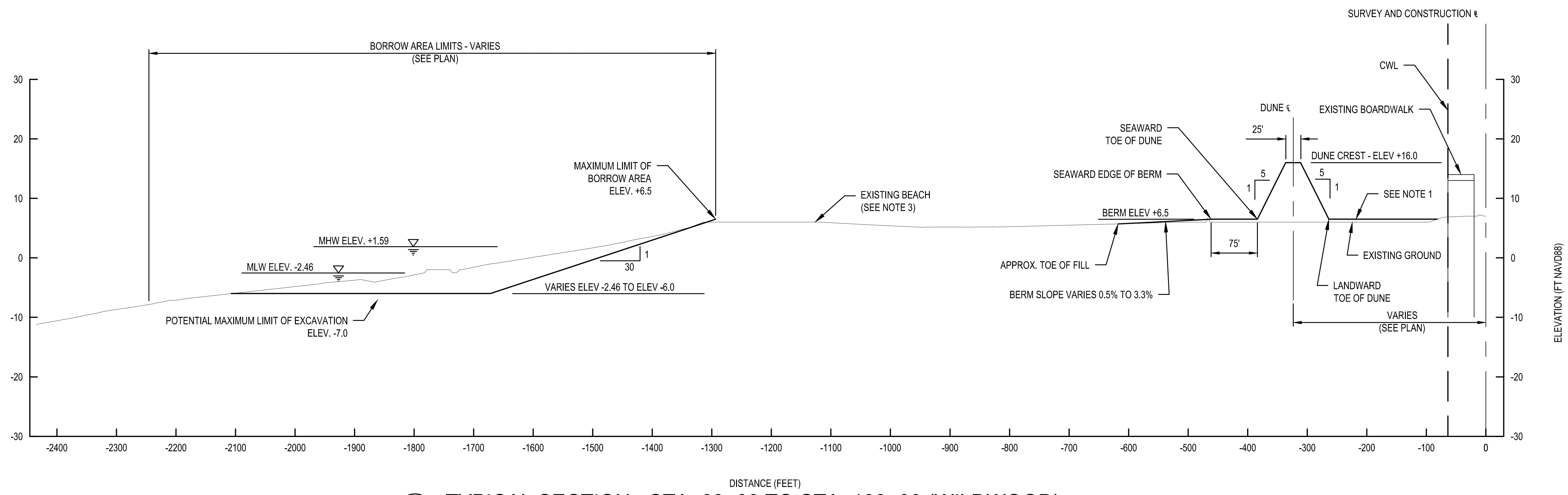
- NOTES:
1. PLACE FILL MATERIAL TO ELEVATION +11.5 BETWEEN EXISTING BULKHEAD/REVTMENT AND THE LANDWARD TOE OF DUNE.
 2. MINIMIZE DISTURBANCE TO VEGETATION ON EXISTING DUNE.
 3. EXISTING BULKHEAD BETWEEN STA. 8+00 AND STA. 15+00 TO BE REALIGNED BY OTHERS PRIOR TO CONSTRUCTION.

NO.	DATE	BY	DESCRIPTION

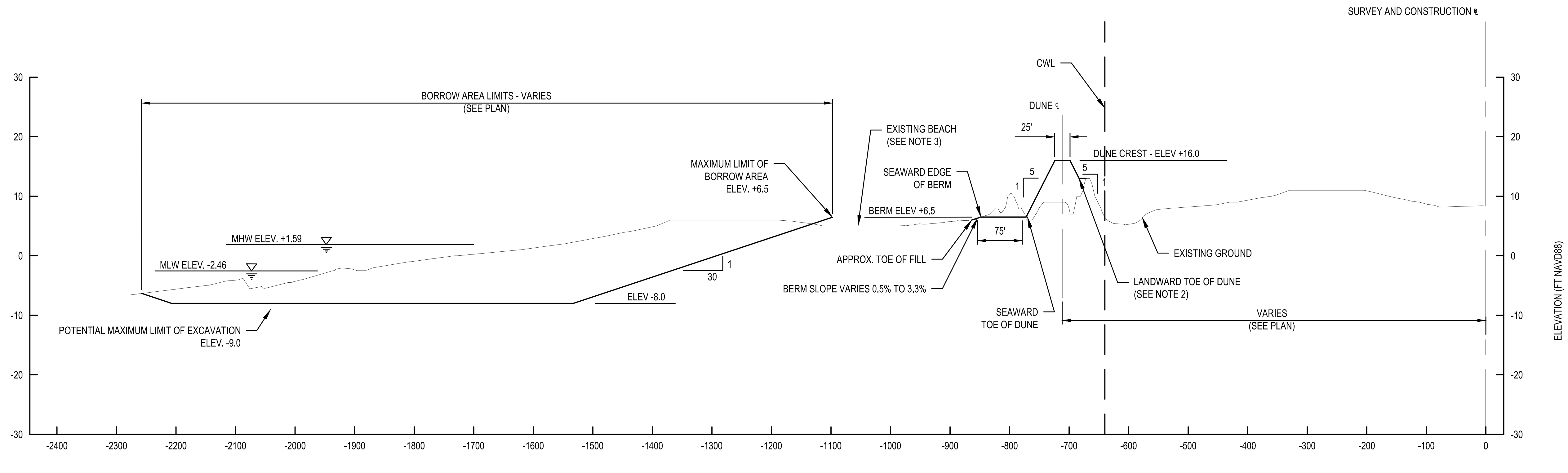
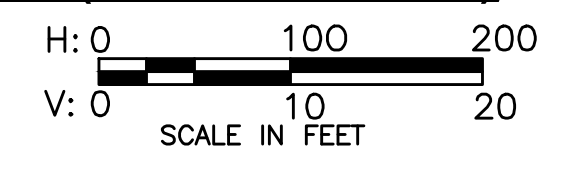
ISSUED FOR:	ISSUED DATE:
DESIGN BY:	DESIGNED BY:
DRAWN BY:	PROJECT NUMBER:
CHECKED BY:	CONTRACT NUMBER:
DATE:	FILE NAME:
SCALE:	DATE:
PROJECT:	SECTION:
DATE:	SECTION:

INITIAL CONSTRUCTION
 HERFORD INLET TO CAPE MAY INLET
 CAPE MAY COUNTY, NEW JERSEY
 TYPICAL SECTIONS - BEACHFILL STA. 8+00 TO STA. 68+00
 (NORTH WILDWOOD)

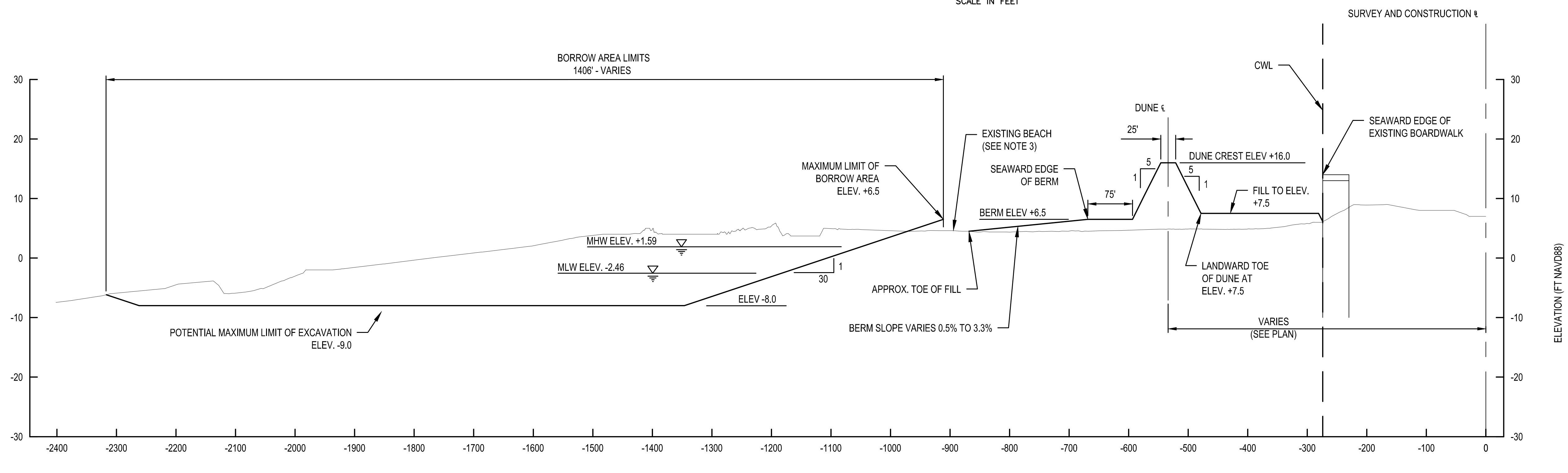
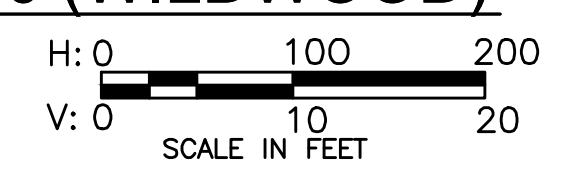
SHEET NUMBER
 C-302



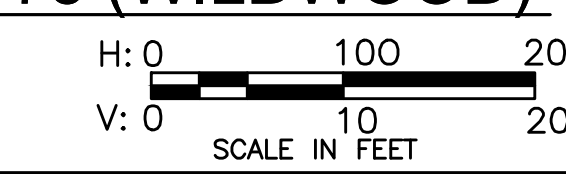
1 TYPICAL SECTION - STA. 68+00 TO STA. 108+00 (WILDWOOD)



2 TYPICAL SECTION - STA. 108+00 TO STA. 118+00 (WILDWOOD)



3 TYPICAL SECTION - STA. 117+25 TO STA. 136+75 (WILDWOOD)



NOTES:

1. GRADE FILL MATERIAL TO ELEV. +6.5 BETWEEN THE SEAWARD EDGE OF THE BOARDWALK AND THE LANDWARD TOE OF DUNE.
2. MINIMIZE DISTURBANCE TO EXISTING VEGETATION ON LANDWARD SIDE OF DUNE.
3. CONTRACTOR SHALL RAKE AREAS OF EXISTING BEACH DISTURBED BY CONSTRUCTION OPERATIONS.

DRAFT

 U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 www.usace.army.mil	
DESIGNED BY: [REDACTED] / DATE: [REDACTED] CHECKED BY: [REDACTED] / DATE: [REDACTED] DRAWN BY: [REDACTED] / DATE: [REDACTED] DWG. SCALE: [REDACTED] DWG. SIZE: [REDACTED]	PROJECT NUMBER: [REDACTED] SOLICITATION NUMBER: [REDACTED] CONTRACT NUMBER: [REDACTED] FILE NAME: [REDACTED] SECTION: [REDACTED]
HEREFORD INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION TYPICAL SECTIONS - BEACHFILL STA. 68+00 TO STA. 136+75 (CITY OF WILDWOOD)	SHEET NUMBER C-303

DRAFT



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

MARK ACTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

DATE: [blank]

DESCRIPTION: [blank]

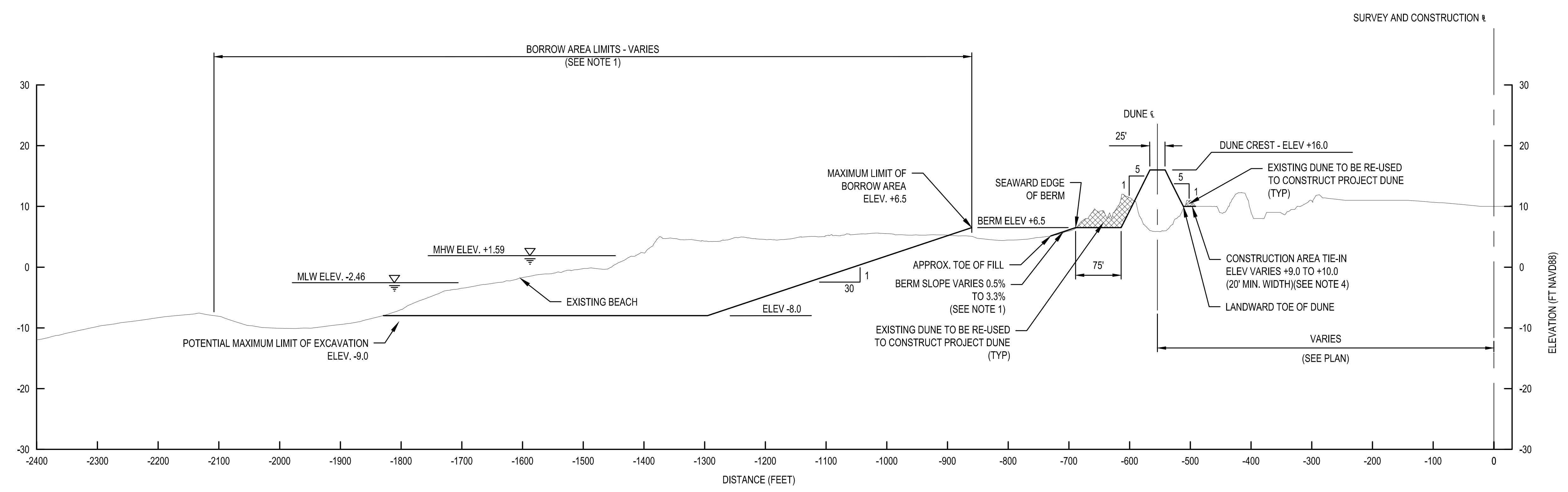
DATE: [blank]

DESCRIPTION: [blank]

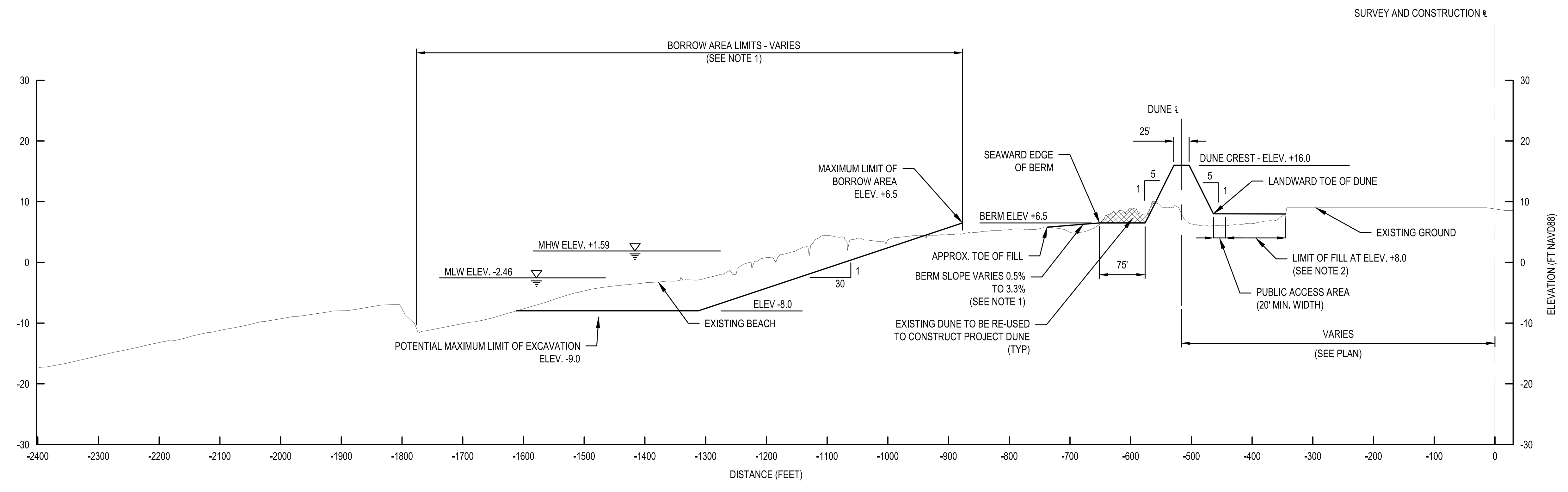
DATE: [blank]

DESCRIPTION: [blank]

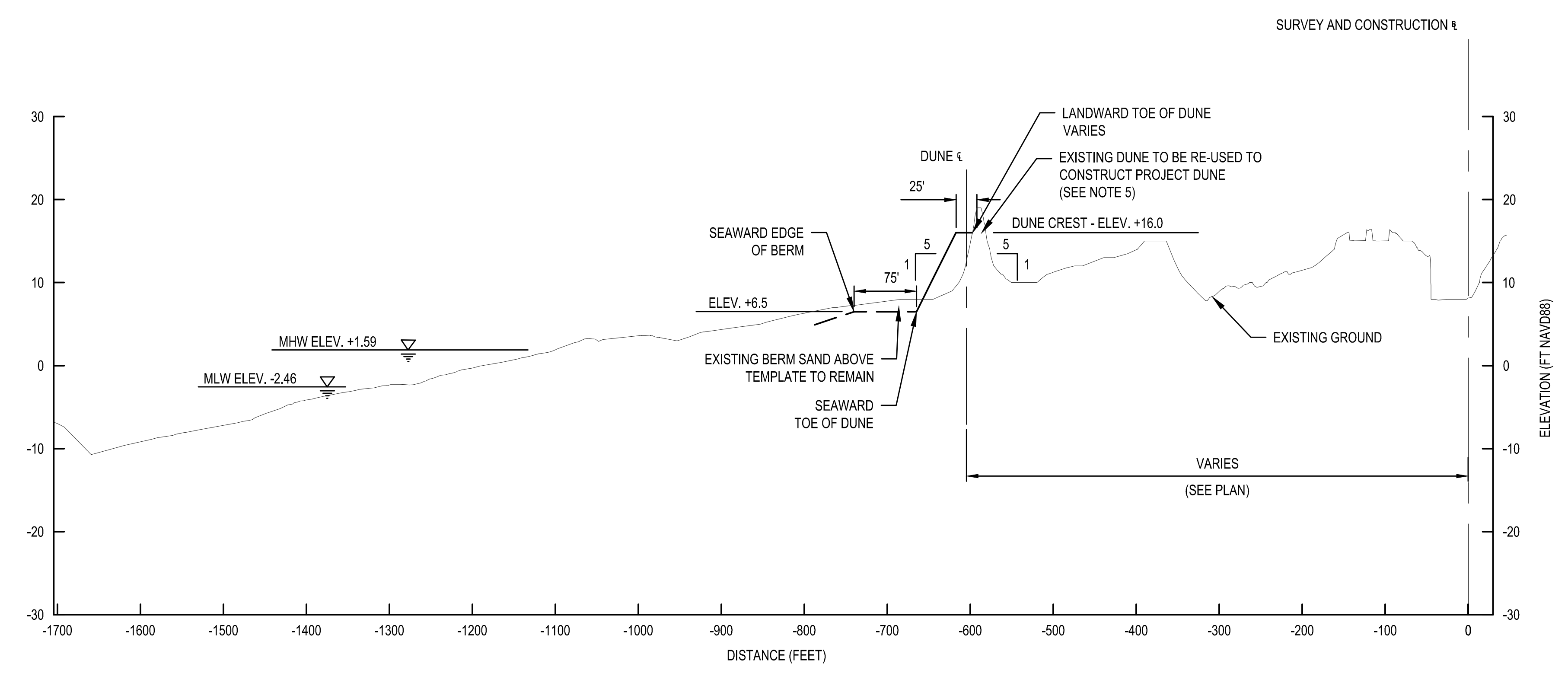
DATE: [blank]



1 TYPICAL SECTION - STA. 136+75 TO STA. 182+00 (WILDWOOD CREST - NORTH OF RAMBLER AVE.)



2 TYPICAL SECTION - STA. 182+00 TO STA. 235+00 (WILDWOOD CREST - SOUTH OF RAMBLER AVE.)



3 TYPICAL SECTION - STA. 235+00 TO STA. 252+00 (LOWER TOWNSHIP)

- NOTES:**
- SLOPE TO BE FIELD ADJUSTED AT DIRECTION OF COR.
 - GRADE FILL MATERIAL AS SHOWN AT ELEV. +8.0 FROM LANDWARD TOE OF DUNE TO EXISTING BULKHEAD. MATERIAL ABOVE +8.0 WILL REMAIN AT DIRECTION OF COR.
 - MINIMIZE DISTURBANCE TO EXISTING VEGETATION ON LANDWARD SIDE OF DUNE.
 - BETWEEN STA. 136+80 TO STA. 147+00 20 FT PUBLIC ACCESS AREA IS NOT REQUIRED.
 - EXISTING DUNES OR PORTIONS OF THE EXISTING DUNES WILL REMAIN IF POSSIBLE. CONSTRUCTION REQUIREMENTS FOR THE PROJECT DUNE MAY REQUIRE THAT SOME PARTS OF THE EXISTING DUNES WILL NEED TO BE INCORPORATED INTO THE PROJECT DUNE. MINIMIZE THE IMPACT TO EXISTING VEGETATION.

HEREFOR INLET TO CAPE MAY INLET
CAPE MAY COUNTY, NEW JERSEY
INITIAL CONSTRUCTION
TYPICAL SECTIONS - BEACHFILL STA. 136+75 TO
(WILDWOOD CREST & LOWER TOWNSHIP)

SHEET NUMBER
C-304

DUNE CROSSOVER SCHEDULE

Table with columns: MUNICIPALITY, LOCATION, SURVEY & CONSTR. BASELINE STATION, OFFSET (FT), CROSSOVER TYPE, WIDTH (FT), AREA (SF), STABILIZATION MAT ON CROSSOVER (SF), BERM STABILIZATION MAT (SF), DETAIL, REMARKS. Rows include North Wilwood and Wildwood City municipalities.

DUNE CROSSOVER SCHEDULE

Table with columns: MUNICIPALITY, LOCATION, SURVEY & CONSTR. BASELINE STATION, OFFSET (FT), CROSSOVER TYPE, WIDTH (FT), AREA (SF), STABILIZATION MAT ON CROSSOVER (SF), BERM STABILIZATION MAT (SF), DETAIL, REMARKS. Rows include Wildwood Crest and Lower Township municipalities.

DRAFT



Revision table with columns: NO., DATE, BY, DESCRIPTION. Includes a grid for marking actions.

Metadata table with columns: DWG BY, DESIGNED BY, DATE, PROJ. NUMBER, etc.

HEREFOR INLET TO CAPE MAY INLET, CAPE MAY COUNTY, NEW JERSEY. INITIAL CONSTRUCTION. DUNE CROSSOVER SCHEDULE.

DRAFT



DESIGNED BY: DATE: BY:

CHECKED BY: DATE: BY:

APPROVED BY: DATE: BY:

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

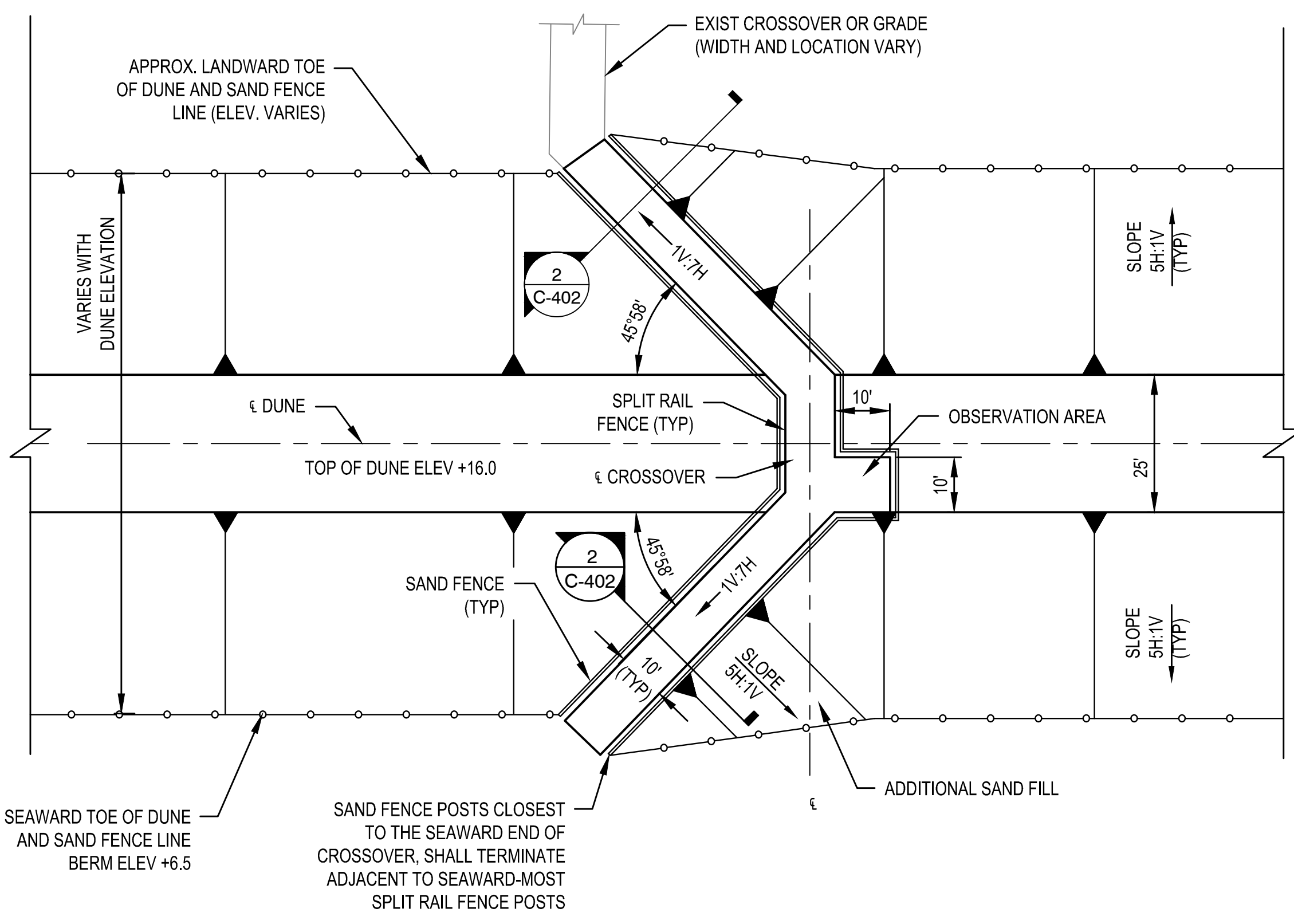
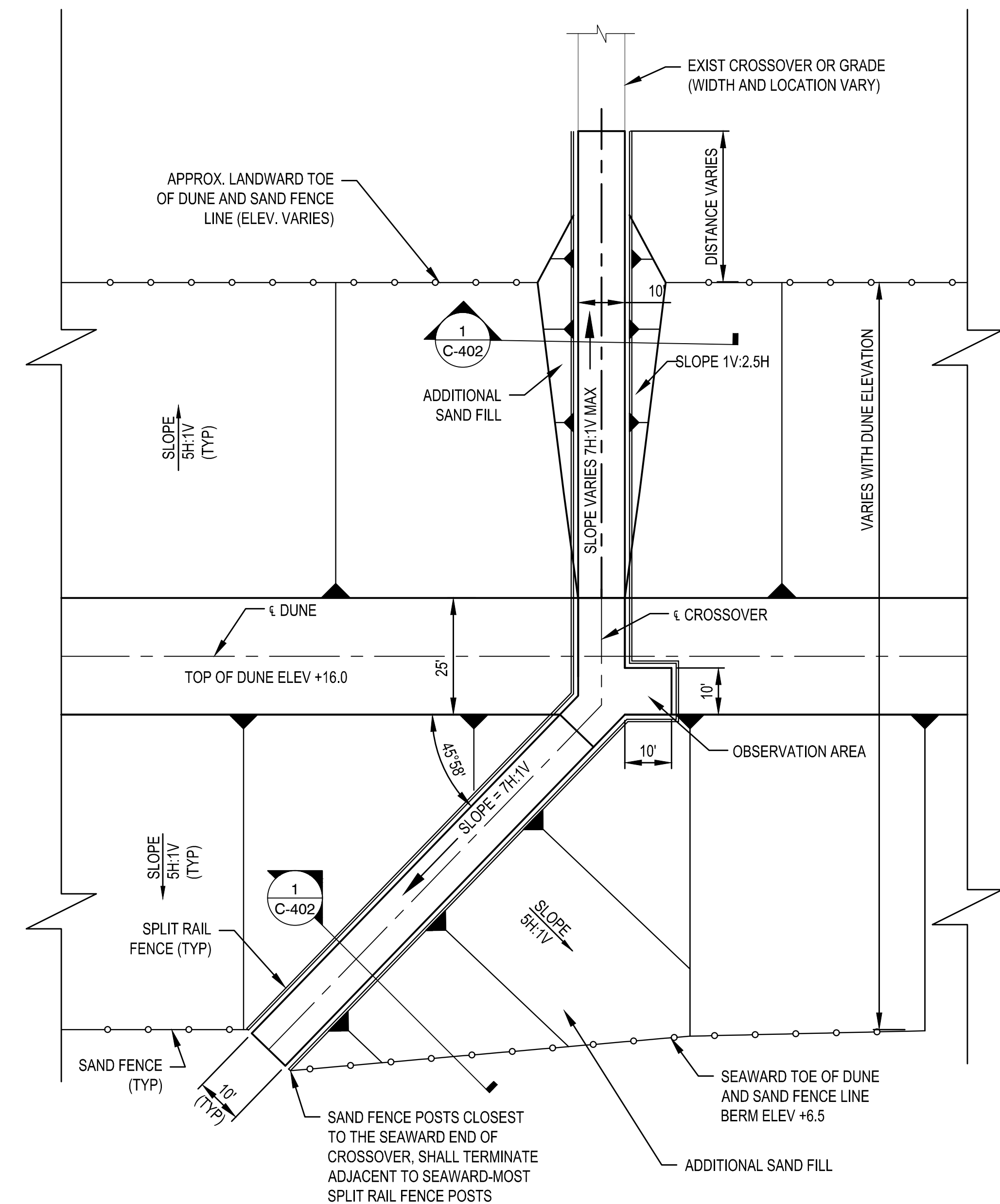
MARK ACTION DESCRIPTION

MARK ACTION DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT
PHILADELPHIA, PA 19107-3390
www.usace.army.mil

HEREFORD INLET TO CAPE MAY INLET
CAPE MAY COUNTY, NEW JERSEY
INITIAL CONSTRUCTION
PLAN - PEDESTRIAN CROSSOVER

SHEET NUMBER
C-402



1 PLAN - PEDESTRIAN CROSSOVER (NORTH WILDWOOD & LOWER TOWNSHIP)

2 PLAN - PEDESTRIAN CROSSOVER (NORTH WILDWOOD WILDWOOD CITY & WILDWOOD CREST)

- NOTES:
1. POST AND RAIL FENCE POSTS NOT SHOWN FOR CLARITY. FOR DETAILS OF POST AND RAIL FENCE, SEE SHEET C-501.
 2. FOR SAND FENCE AND DUNE PLANTING DETAILS, SEE SHEET C-502.
 3. THE LENGTH OF HANDICAP CROSSOVERS MAY VARY WITH LOCATION AND FINISHED GRADE OR EXISTING GROUND ELEVATIONS. THE RISE ON CROSSOVERS SHALL BE NO MORE THAN 2.5' OVER A RUN OF 30' (12H:1V). LANDING SHALL BE CONSTRUCTED AT A MAXIMUM SPACING OF 30' AND SHALL BE LEVEL FOR A MINIMUM LENGTH OF 5'.

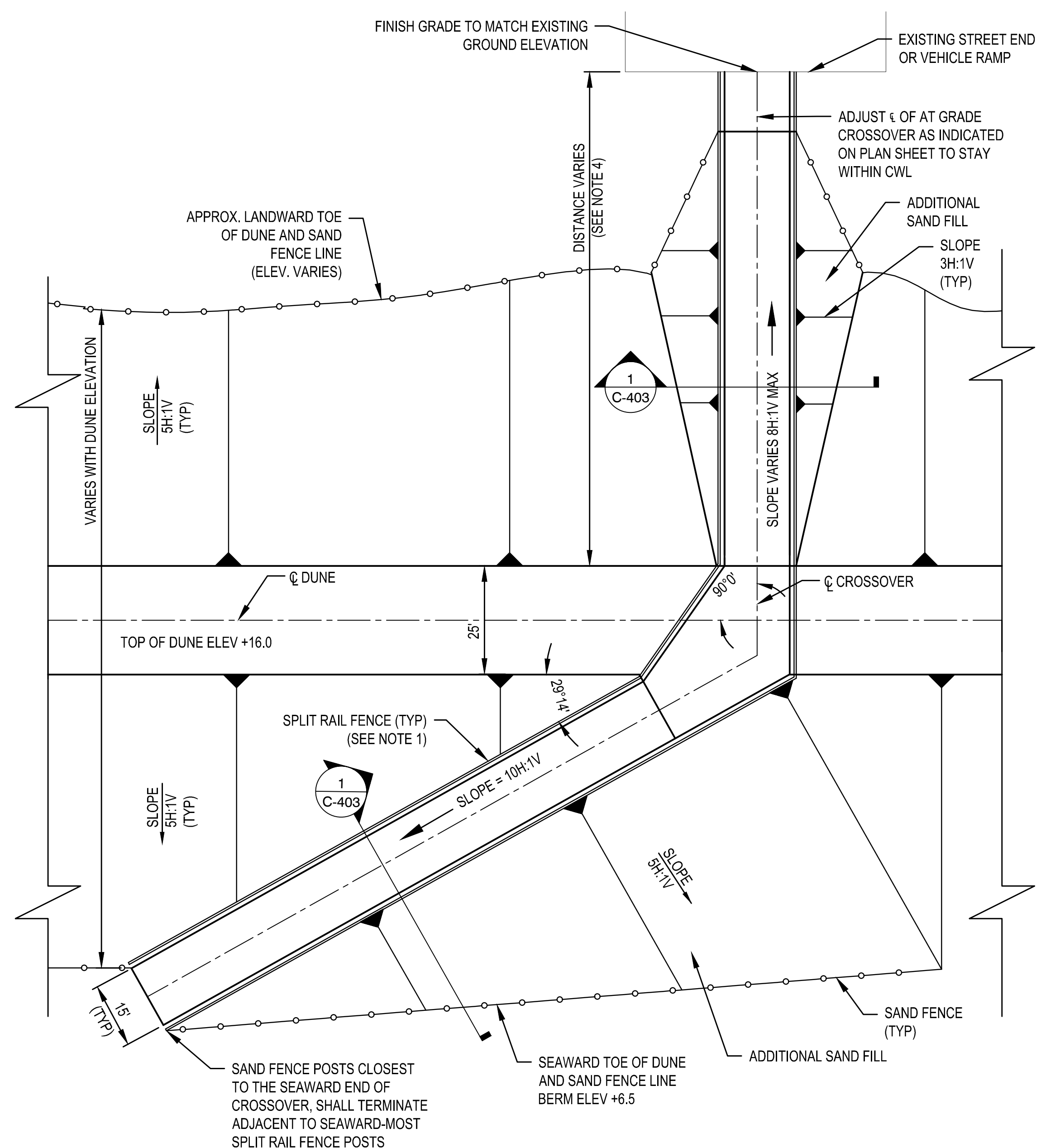
1

2

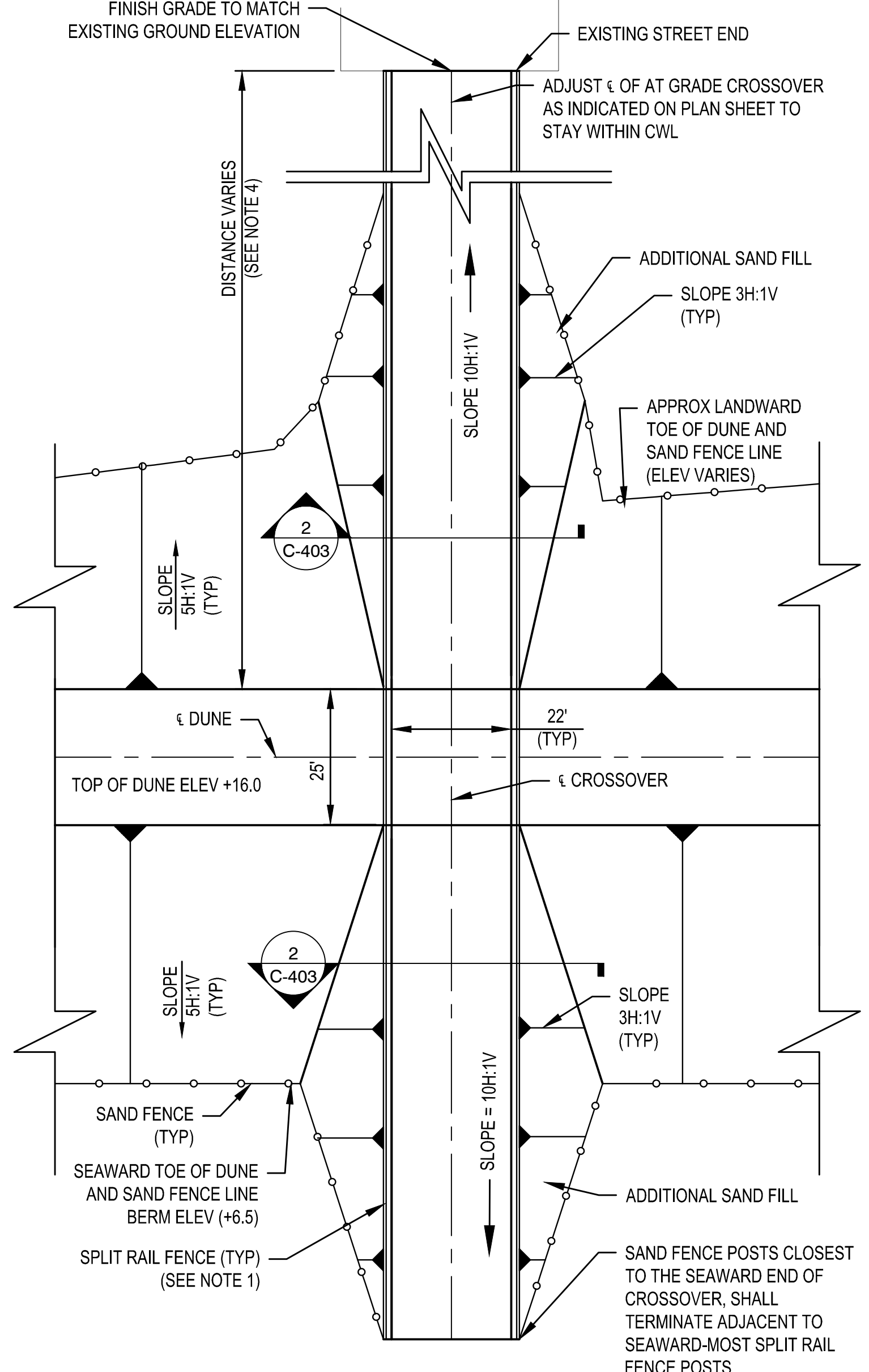
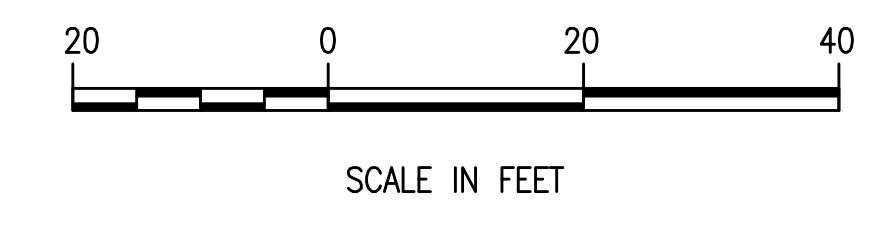
3

4

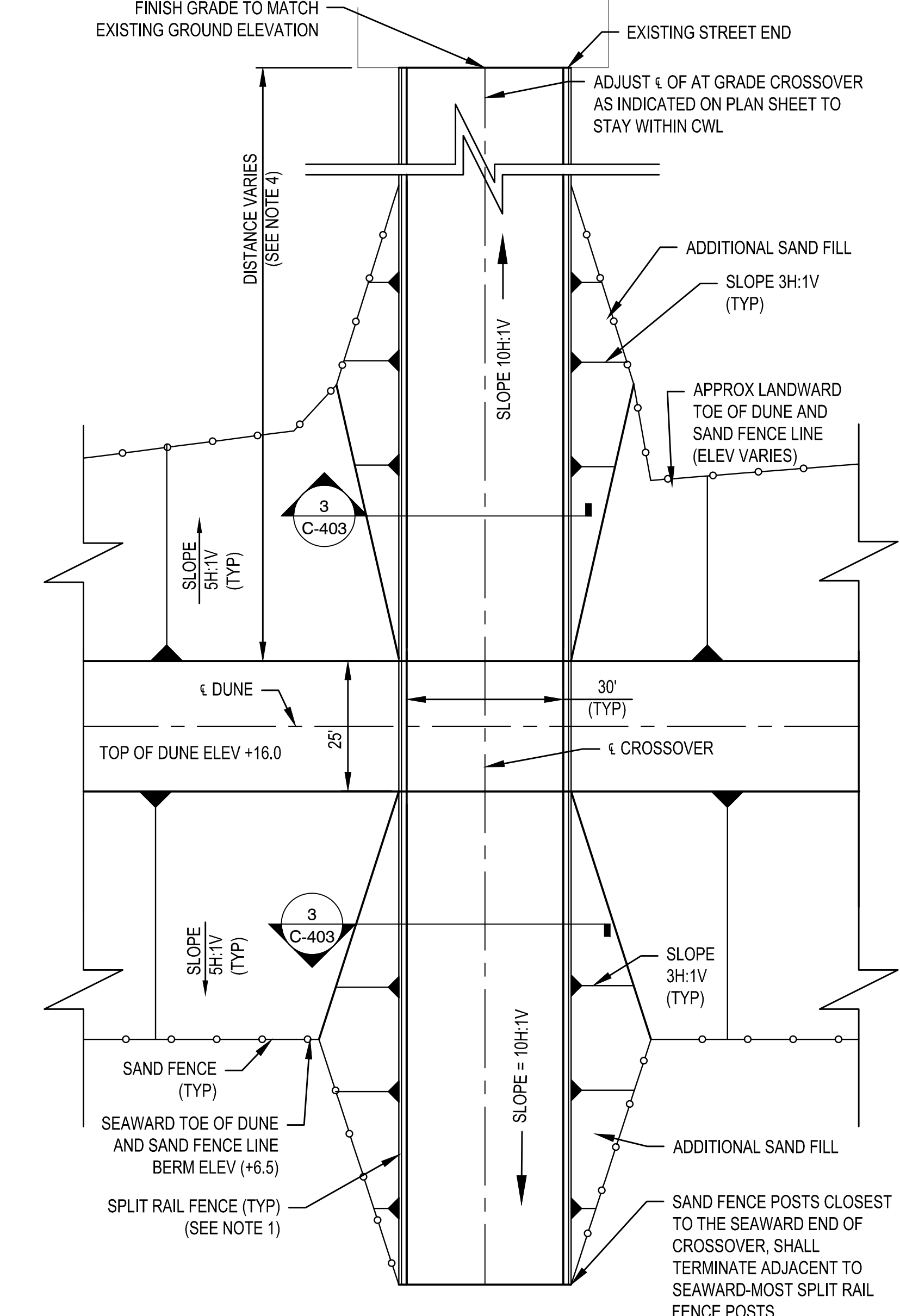
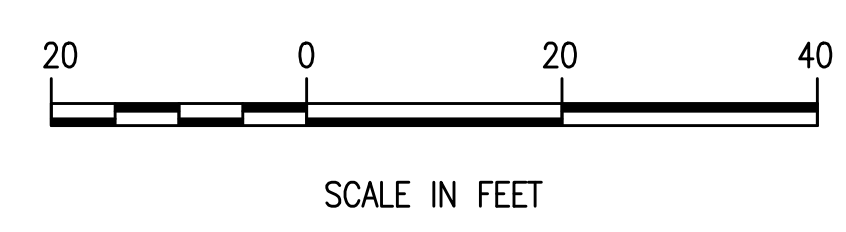
5



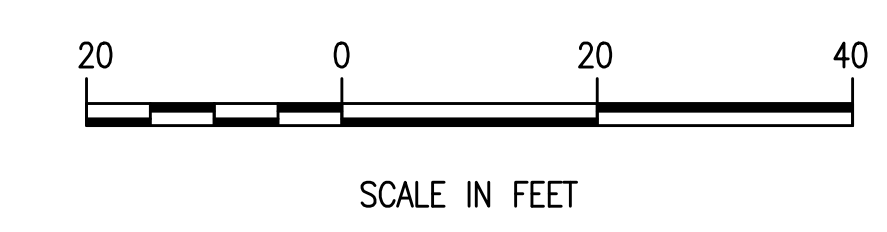
1 PLAN - TYPICAL VEHICLE CROSSOVER
NTS



2 PLAN - STRAIGHT VEHICLE CROSSOVER
NTS



3 PLAN - VEHICLE CROSSOVER (CRESE AVE)
NTS



- NOTES:**
1. POST AND RAIL FENCE POSTS NOT SHOWN FOR CLARITY. FOR DETAILS OF POST AND RAIL FENCE, SEE SHEET C-501.
 2. FOR SAND FENCE AND DUNE PLANTING DETAILS, SEE SHEET C-502.
 3. THE LENGTH OF HANDICAP CROSSOVERS MAY VARY WITH DUNE AND FINISHED GRADE OR EXISTING GROUND ELEVATIONS. THE RISE ON CROSSOVERS SHALL BE NO MORE THAN 2.5' OVER A RUN OF 30' (12H:1V). LANDING SHALL BE CONSTRUCTED AT A MAXIMUM SPACING OF 30' AND SHALL BE LEVEL FOR A MINIMUM LENGTH OF 5'.

DRAFT

US Army Corps of Engineers Philadelphia District

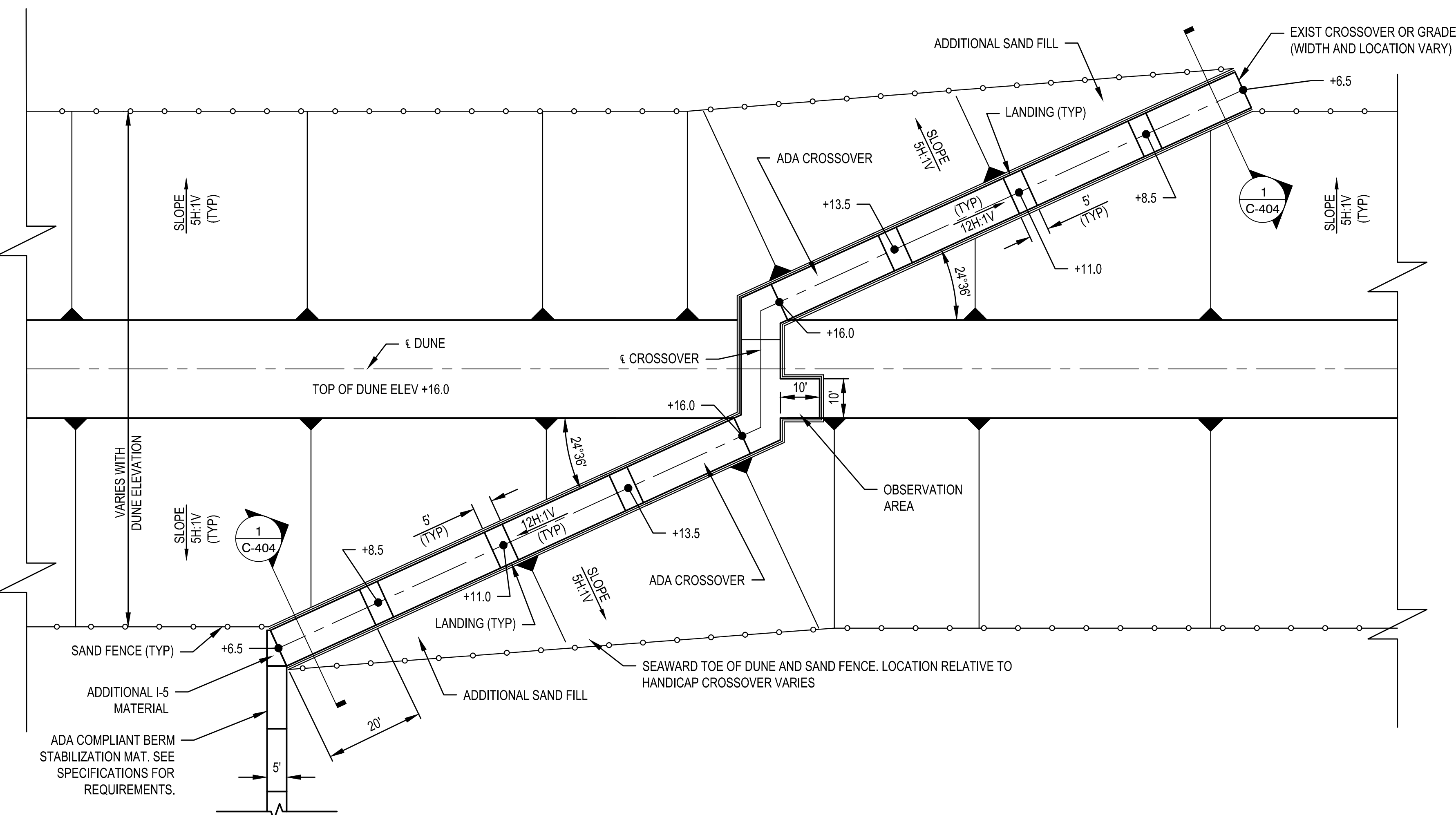
HEREFORD INLET TO CAPE MAY INLET
CAPE MAY COUNTY, NEW JERSEY

INITIAL CONSTRUCTION

PLAN - VEHICLE CROSSOVER

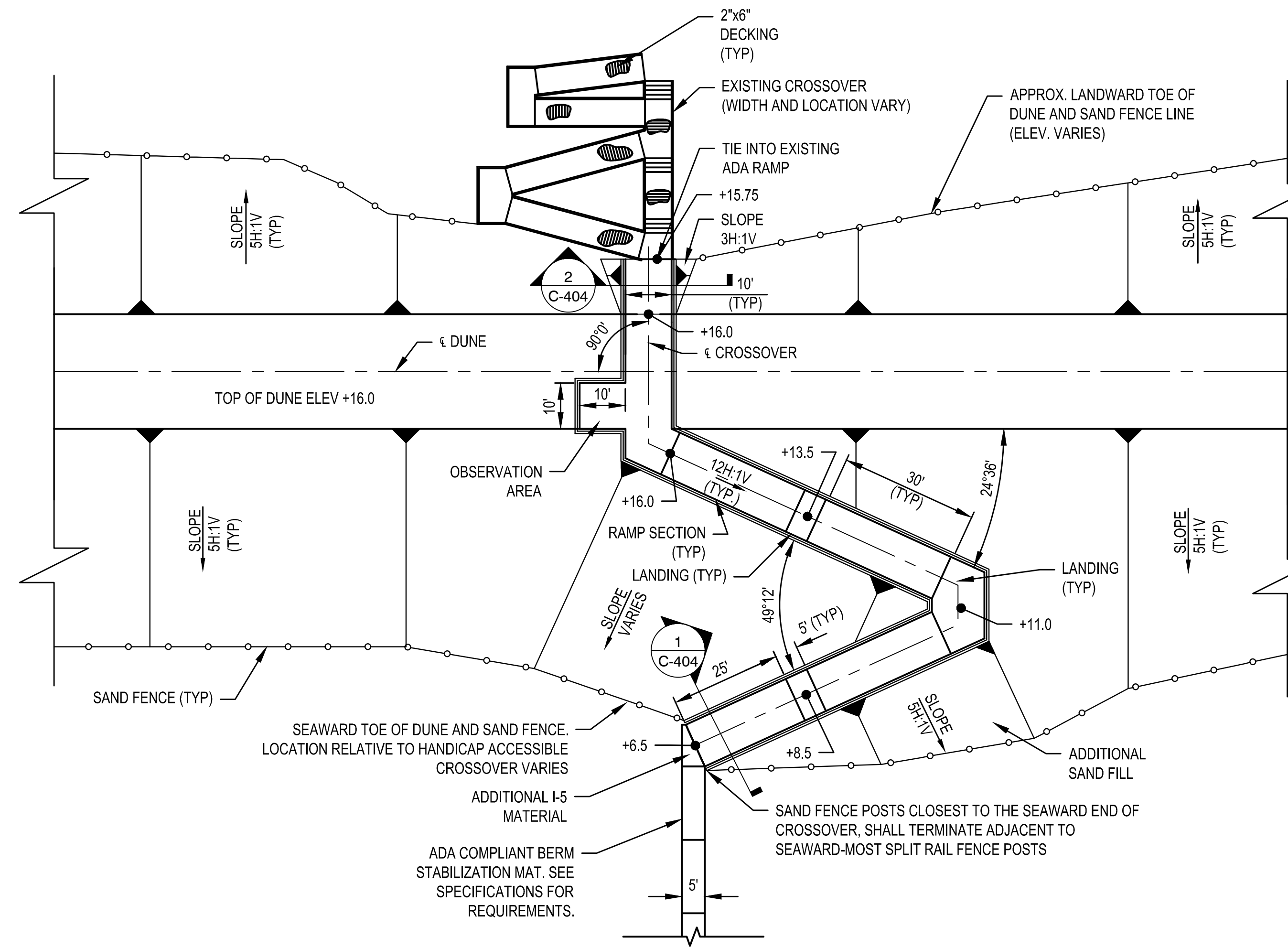
SHEET NUMBER
C-403

DESIGNED BY	ISSUE/RELEASE DATE	MARK	ACTION
ADD	08/07/14/2013		
DWG SCALE	AS SHOWN		
DWG SIZE	24" X 36"		
FILE NAME	PHILADELPHIA_VEHICLE_CROSSOVER.dwg		
DESIGNED BY	CHKD BY		
DAN	DMG		
PROJECT NUMBER	CONTRACT NUMBER		
101073380			



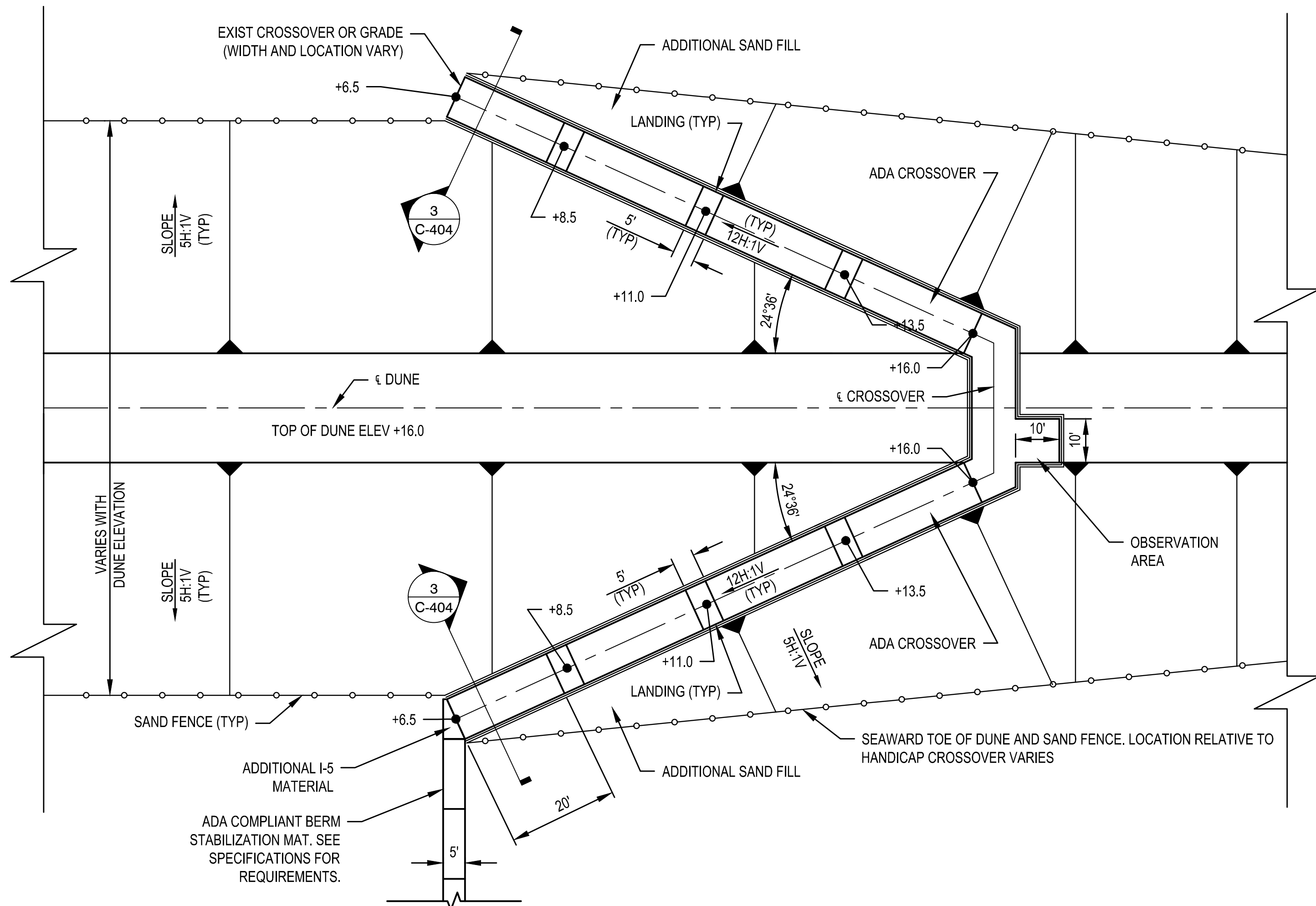
1 PLAN - ADA CROSSOVER (NORTH WILDWOOD)

20' 10' 0' 20'
SCALE IN FEET



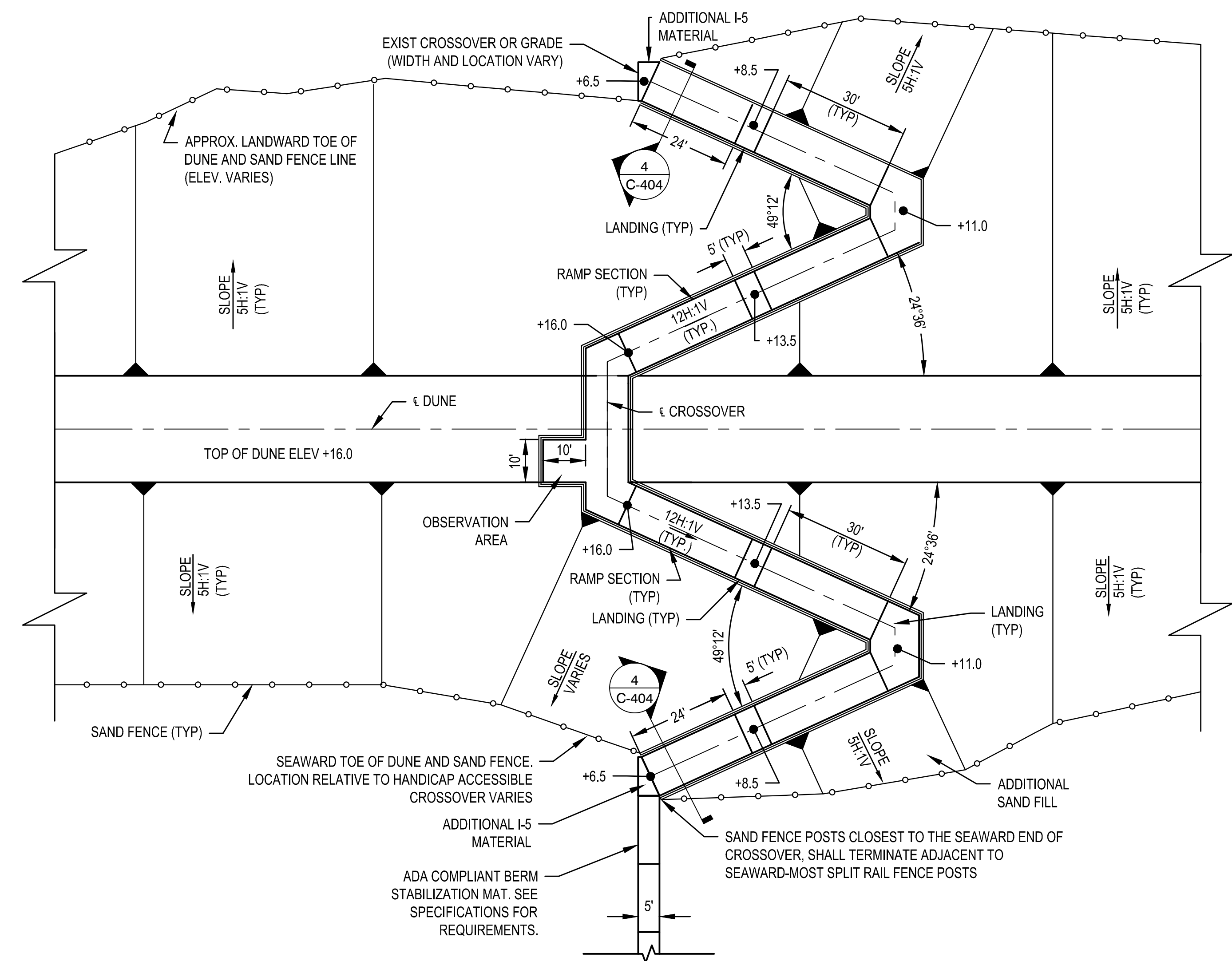
2 PLAN - ADA CROSSOVER (TIE INTO STRUCTURE)

20' 10' 0' 20'
SCALE IN FEET



3 PLAN - ADA CROSSOVER (TYPICAL)

20' 10' 0' 20'
SCALE IN FEET



4 PLAN - ADA CROSSOVER (WILDWOOD CREST)

20' 10' 0' 20'
SCALE IN FEET

- NOTES:
- POST AND RAIL FENCE POSTS NOT SHOWN FOR CLARITY. FOR DETAILS OF POST AND RAIL FENCE, SEE SHEET C-501.
 - FOR SAND FENCE AND DUNE PLANTING DETAILS, SEE SHEET C-502.
 - THE LENGTH OF HANDICAP CROSSOVERS MAY VARY WITH LOCATION AND FINISHED GRADE OR EXISTING GROUND ELEVATIONS. THE RISE ON CROSSOVERS SHALL BE NO MORE THAN 2.5' OVER A RUN OF 30' (12H:1V). LANDING SHALL BE CONSTRUCTED AT A MAXIMUM SPACING OF 30' AND SHALL BE LEVEL FOR A MINIMUM LENGTH OF 5'.

DRAFT



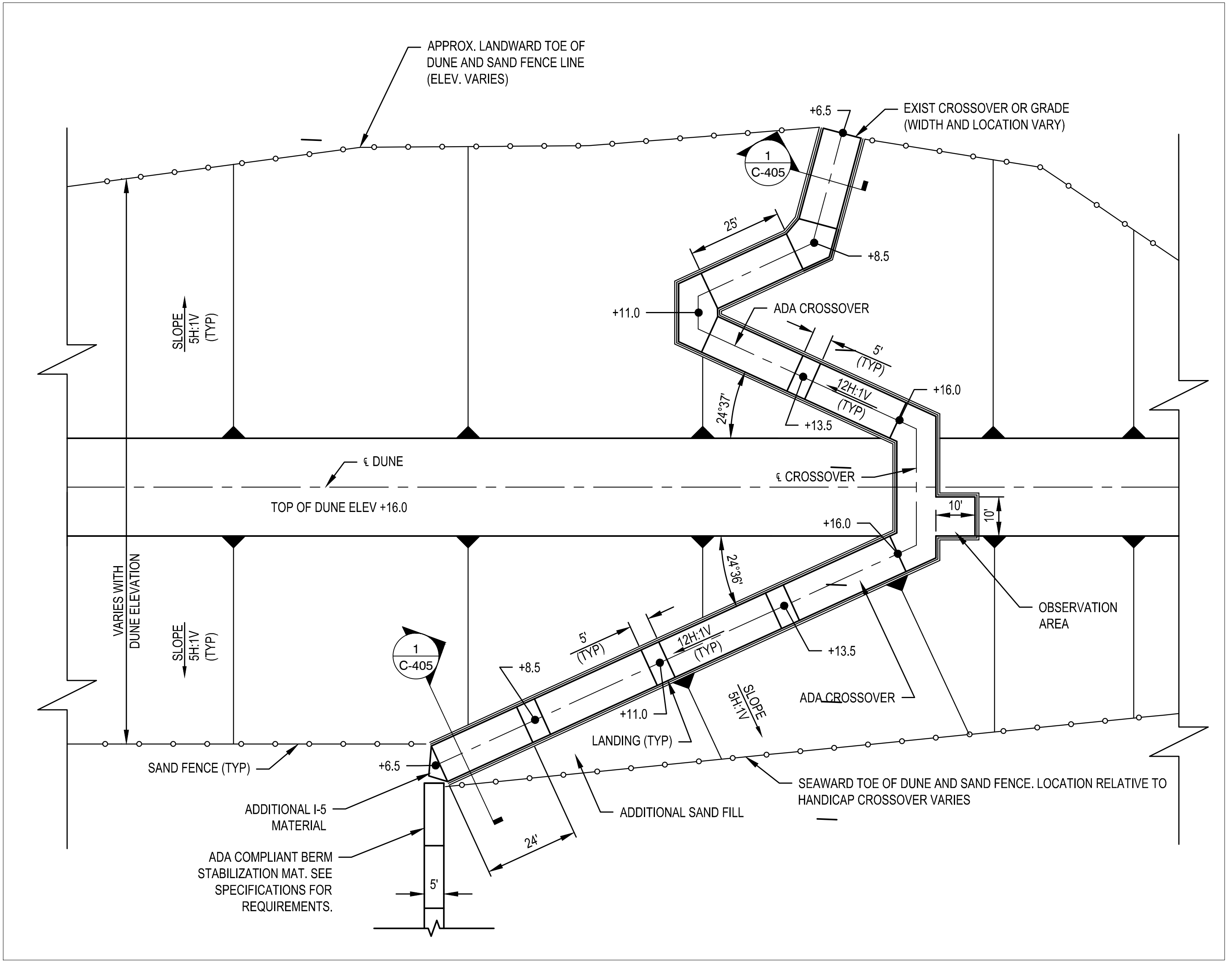
NO.	DATE	BY	DESCRIPTION

DESIGNED BY: 08/07/2023
 DRAWN BY: PHILADELPHIA DISTRICT
 CHECKED BY: PHILADELPHIA DISTRICT
 FILE NAME: PHILADELPHIA_CROSSOVER.dwg

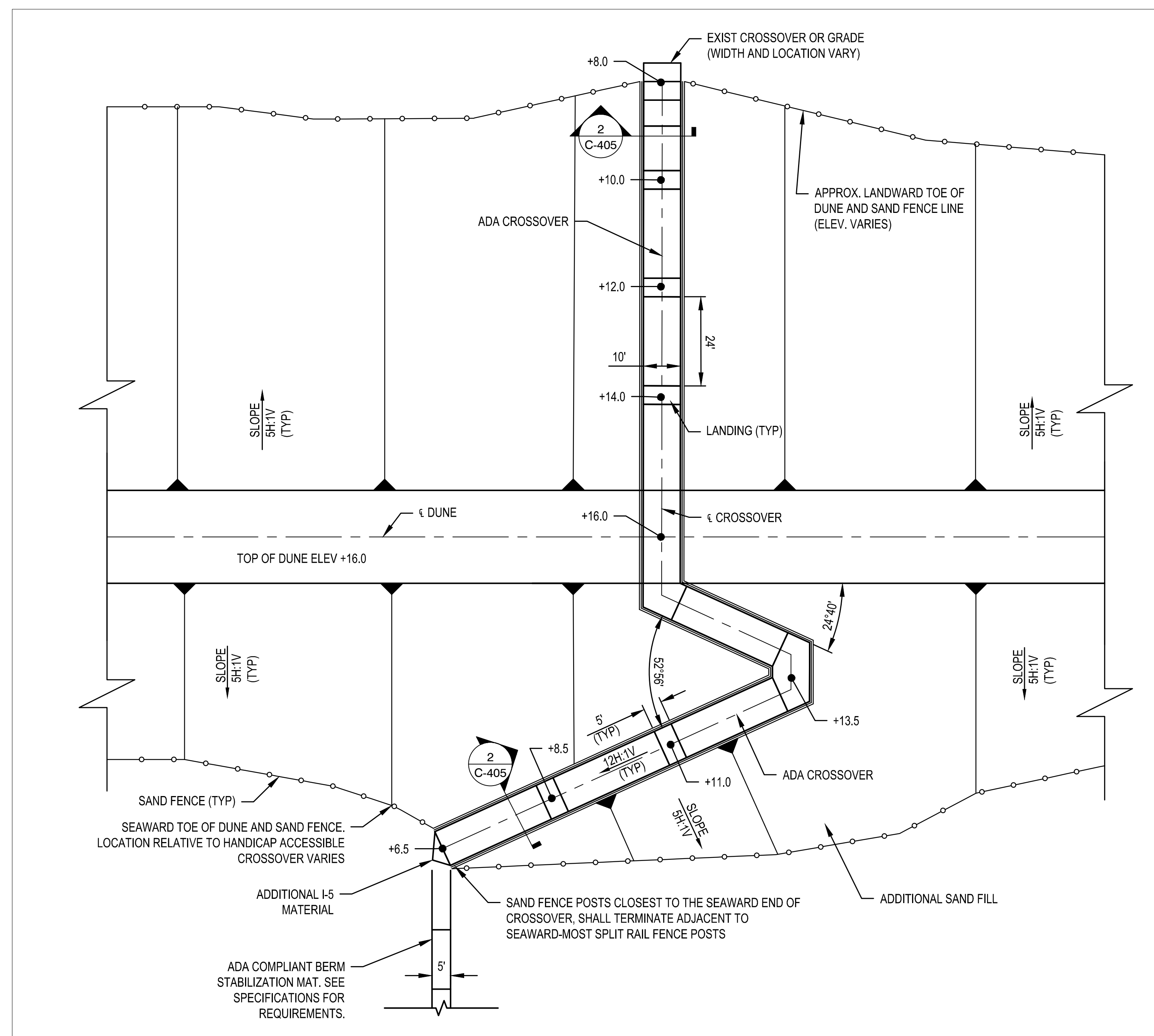
HEREFOR INLET TO CAPE MAY INLET
 CAPE MAY COUNTY, NEW JERSEY
 INITIAL CONSTRUCTION
 PLAN - ADA CROSSOVER

SHEET NUMBER
C-404

DRAFT



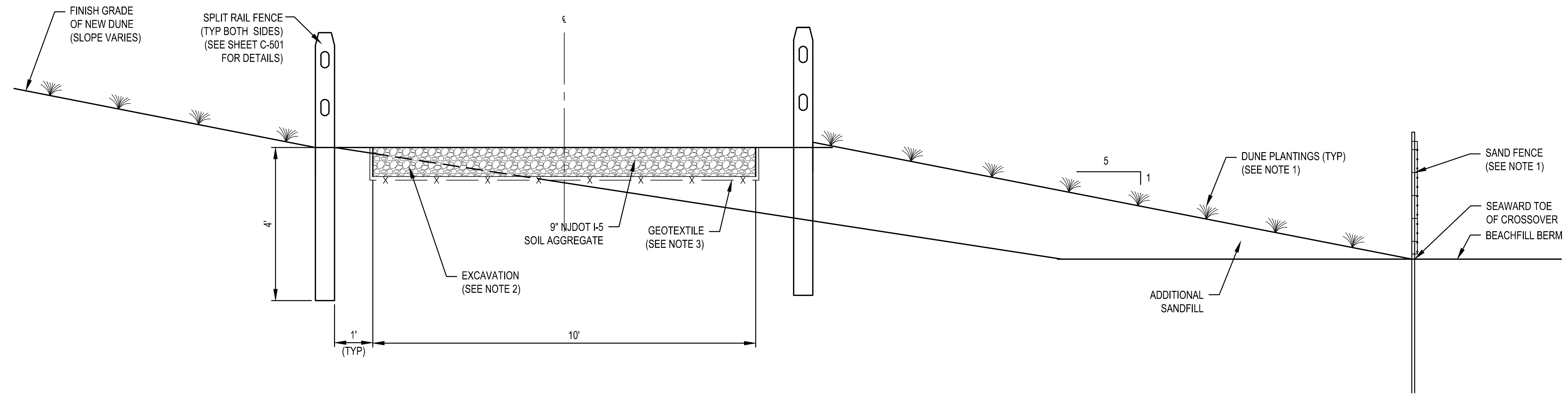
1 PLAN - ADA CROSSOVER (JEFFERSON AVE)
 20' 10' 0 20'
 SCALE IN FEET



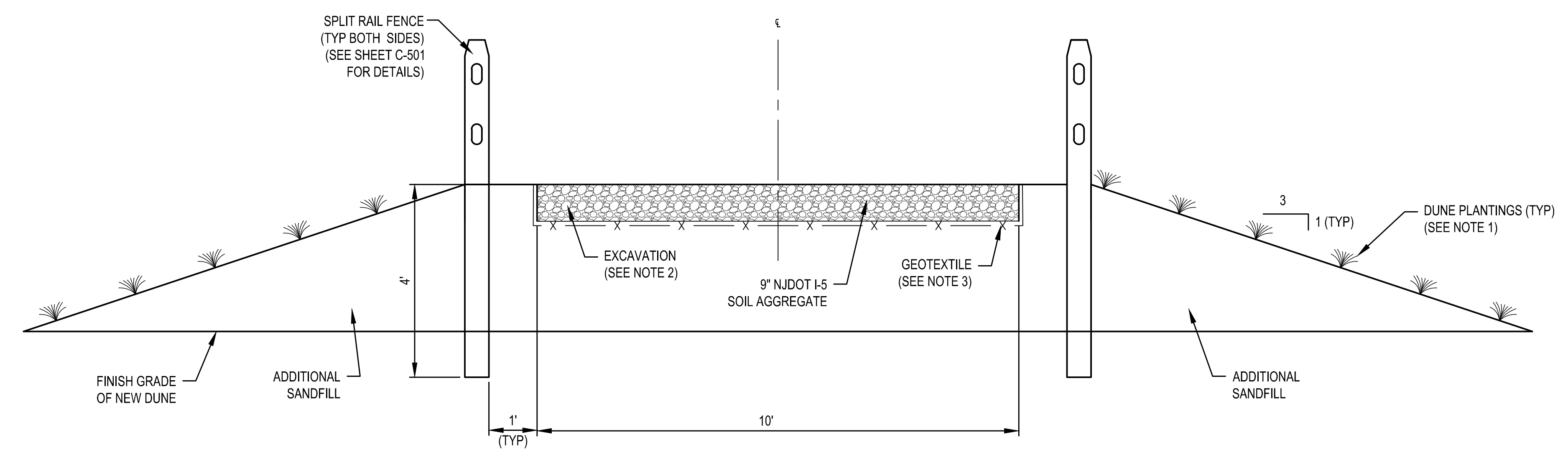
2 PLAN - ADA CROSSOVER (MEMPHIS AVE)
 20' 10' 0 20'
 SCALE IN FEET

DESIGNED BY	ISSUE/RELEASE DATE	MARK	ACTION	DATE	BY
ADD BY					
CHK BY					
DWG SCALE	FILE NAME				
DWG SIZE	DWG DATE				
AS SHOWN	AS SHOWN				

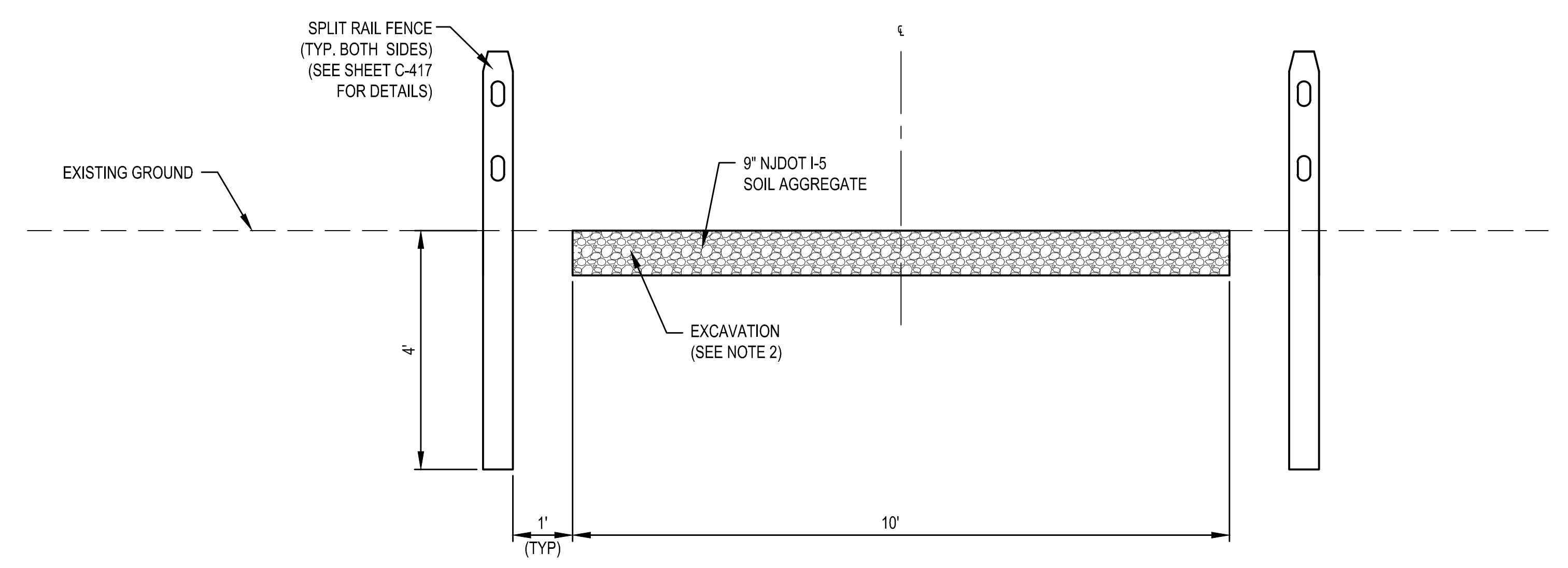
HEREFOR INLET TO CAPE MAY INLET
 CAPE MAY COUNTY, NEW JERSEY
 INITIAL CONSTRUCTION
 PLAN - ADA CROSSOVER
 SHEET NUMBER
C-405



1 TYPICAL SECTION - PEDESTRIAN CROSSOVER
NTS



2 TYPICAL SECTION - PEDESTRIAN CROSSOVER 2
NTS

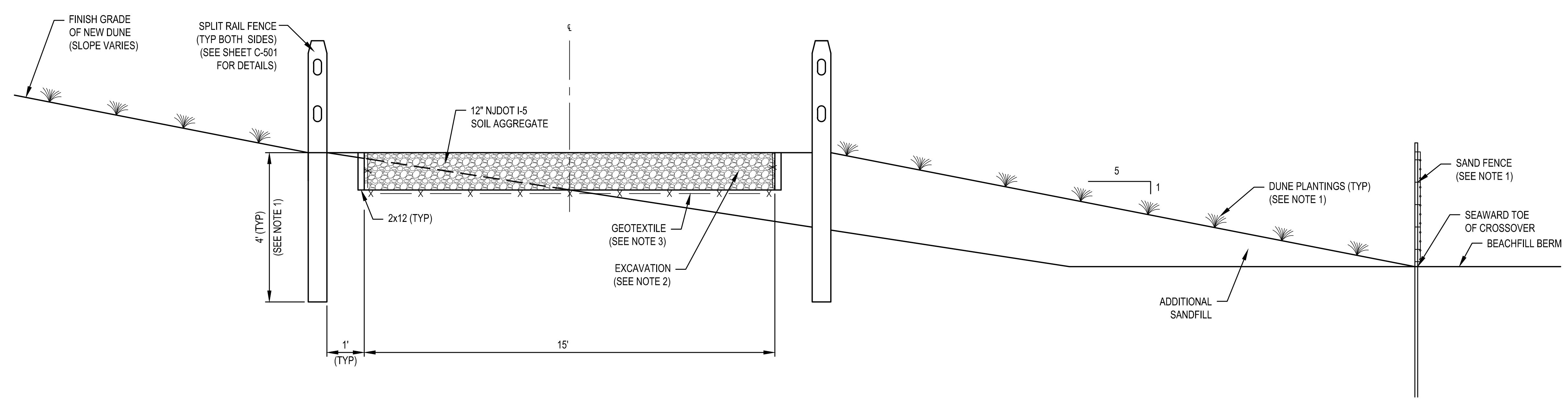


3 TYPICAL SECTION - PEDESTRIAN CROSSOVER 3
NTS

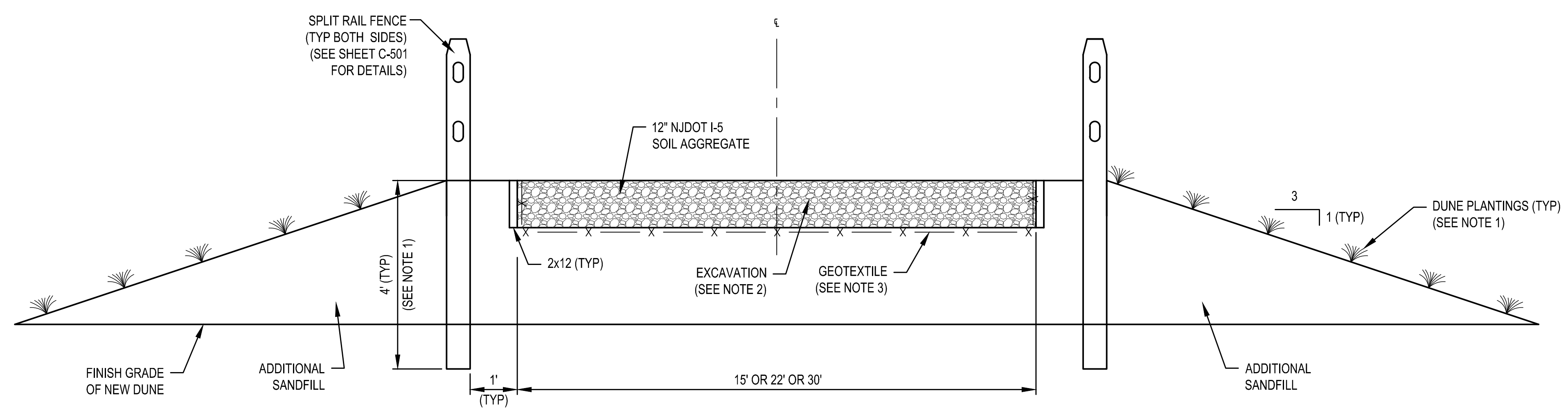
- NOTES:
1. FOR DUNE PLANTING AND SAND FENCE DETAILS, SEE SHEET C-502.
 2. EXCAVATED MATERIAL SHALL BE USED AS ADDITIONAL SAND FILL.
 3. THE CONTRACTOR SHALL PLACE GEOTEXTILE 3/4 OF THE WAY UP THE SURFACE OF THE I-5 MATERIAL.

DRAFT

DESIGNED BY: [] DATE: []	CHECKED BY: [] DATE: []
DRAWN BY: [] DATE: []	CONTRACT NUMBER: []
PROJECT NUMBER: []	SHEET NUMBER: []
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 www.usace.army.mil	
HEREFOR INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION TYPICAL SECTION - PEDESTRIAN CROSSOVER	
SHEET NUMBER C-406	



1 TYPICAL SECTION - VEHICLE CROSSOVER
NTS



2 TYPICAL SECTION - VEHICLE CROSSOVER 2
NTS

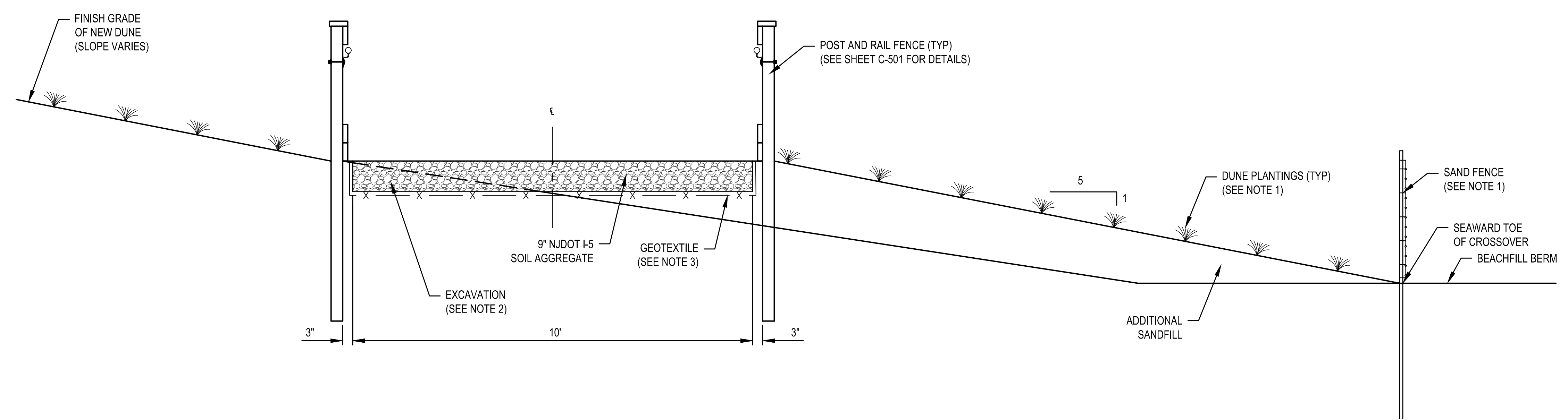
- NOTES:**
- FOR DUNE PLANTING AND SAND FENCE DETAILS, SEE SHEET C-502.
 - EXCAVATED MATERIAL SHALL BE USED AS ADDITIONAL SAND FILL.
 - THE CONTRACTOR SHALL PLACE GEOTEXTILE 2/3 OF THE WAY UP THE SURFACE OF THE I-5 MATERIAL.

DRAFT

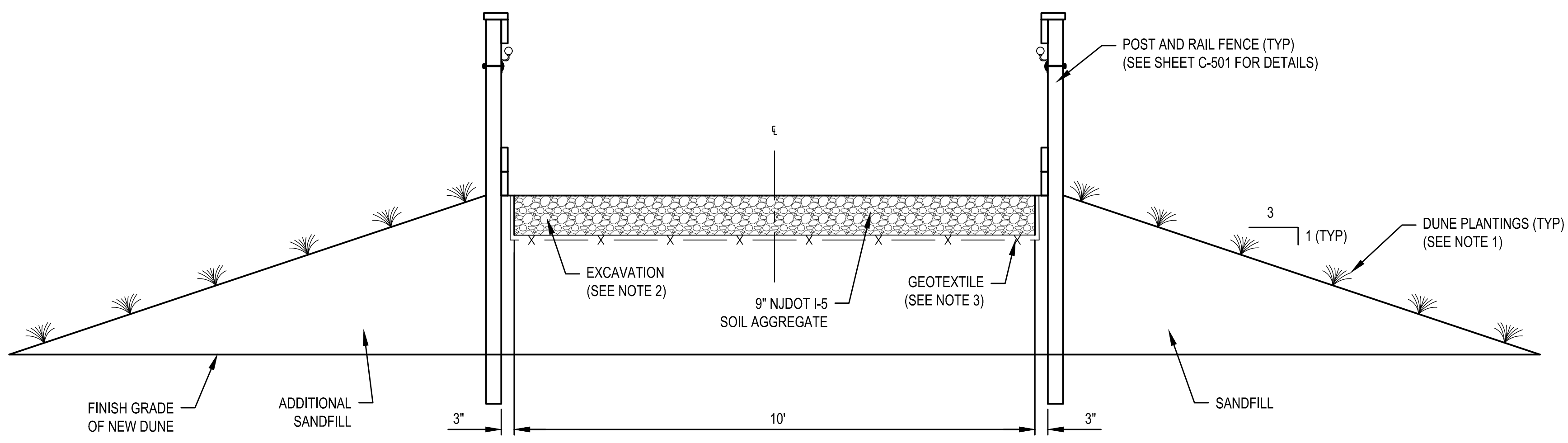
 US Army Corps of Engineers Philadelphia District	
DESIGNED BY: [REDACTED] DATE: [REDACTED] CHECKED BY: [REDACTED] DATE: [REDACTED]	SOLICITATION NUMBER: [REDACTED] CONTRACT NUMBER: [REDACTED]
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3390 www.usace.army.mil	
HEREFOR INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION TYPICAL SECTION - VEHICLE CROSSOVER	
SHEET NUMBER C-407	

D
C
B
A

1 2 3 4 5



1 TYPICAL SECTION - ADA ACCESSIBLE CROSSOVER
NTS



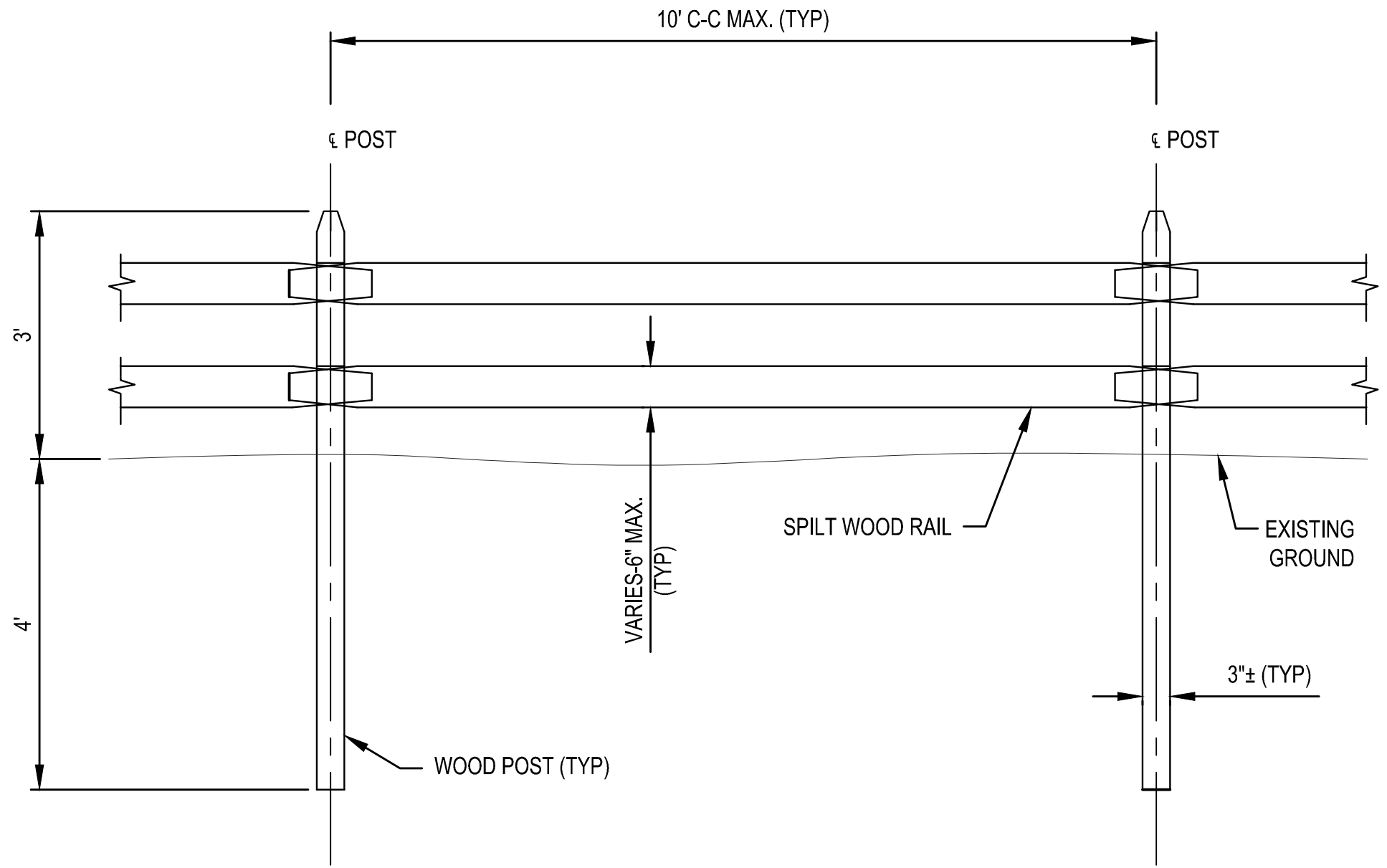
2 TYPICAL SECTION - ADA ACCESSIBLE CROSSOVER 2
NTS

1 2 3 4 5

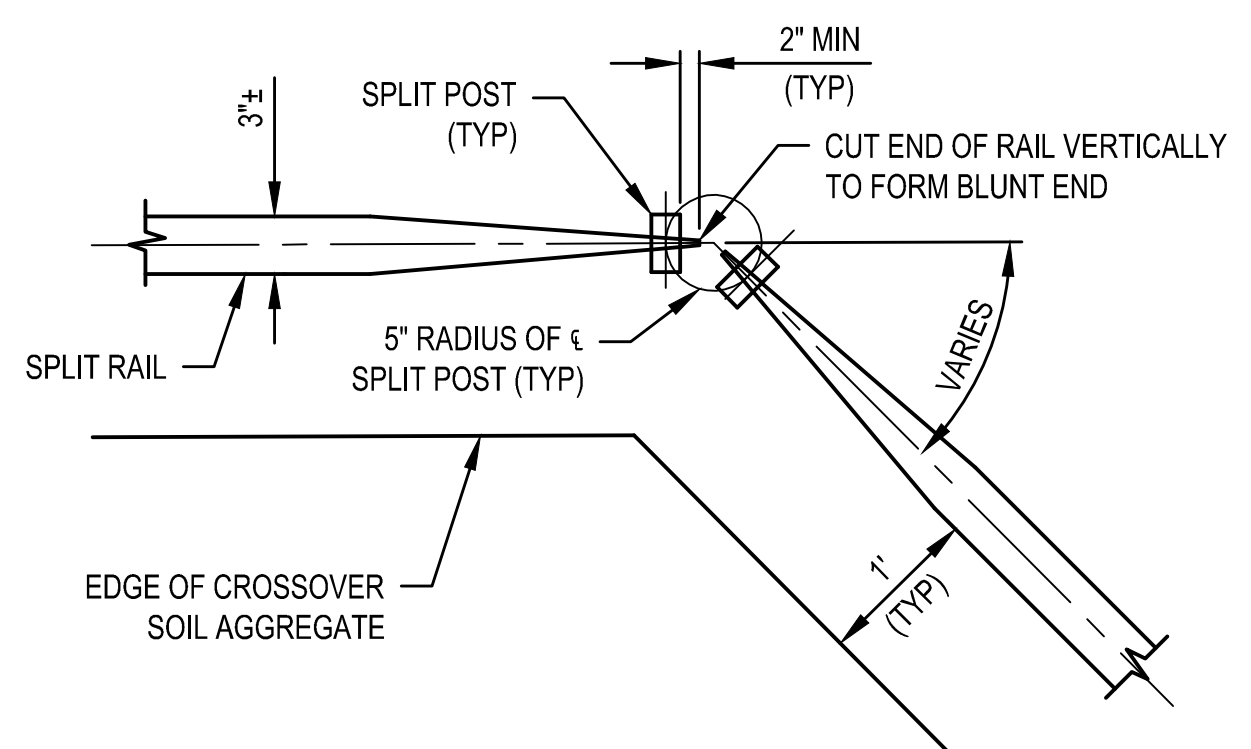
DRAFT

DESIGNED BY: [blank] DRAWN BY: [blank]	ISSUE/RELEASE DATE: 08/07/2023 PROJECT NUMBER: [blank]
DWG. SCALE: [blank] DWG. SIZE: [blank]	SOLICITATION NUMBER: [blank] CONTRACT NUMBER: [blank]
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3390 www.usace.army.mil	FILE NAME: [blank] PROJECT SECTION: ADA CROSSOVER 2
HEREFORD INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION TYPICAL SECTION - ADA CROSSOVER	
SHEET NUMBER C-408	

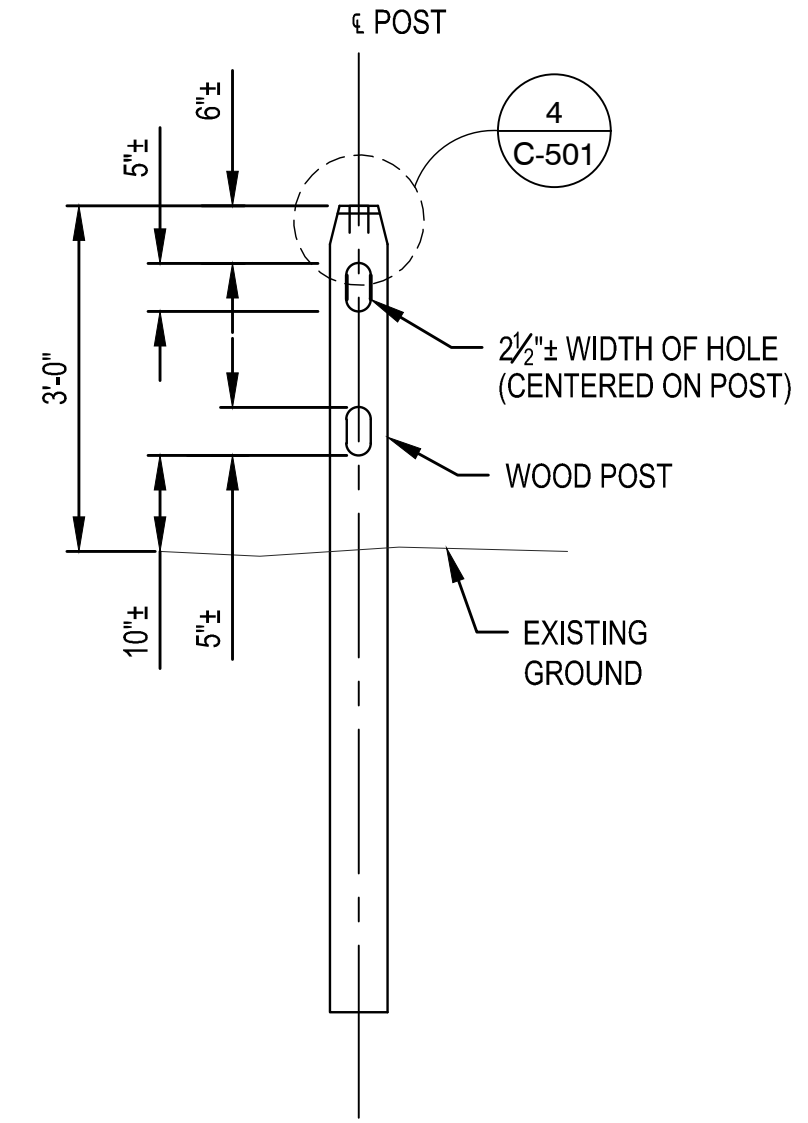
- NOTES:
- FOR DUNE PLANTING AND SAND FENCE DETAILS, SEE SHEET C-502.
 - SEE CONTRACTOR SPECIFICATIONS FOR REQUIREMENTS.



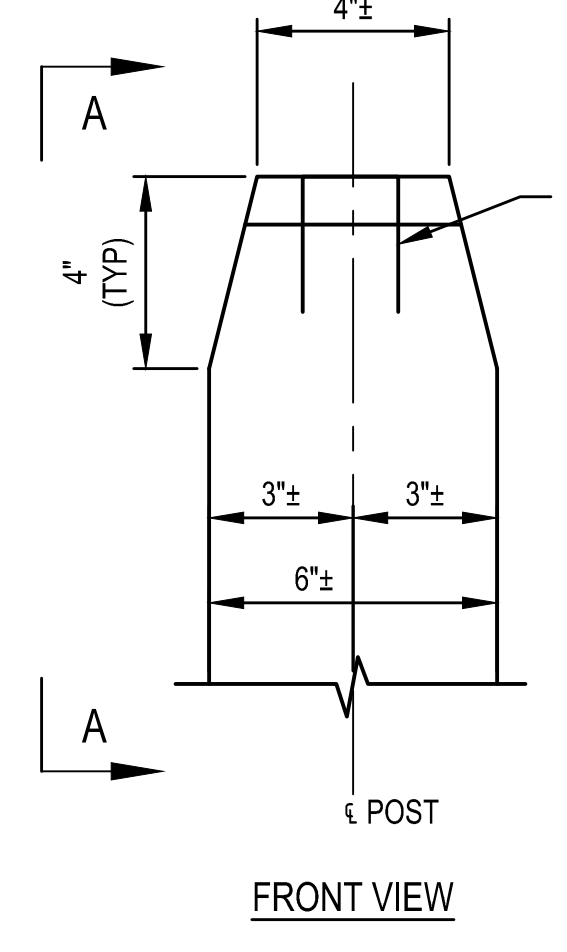
1 DETAIL - SPLIT RAIL FENCE
NTS



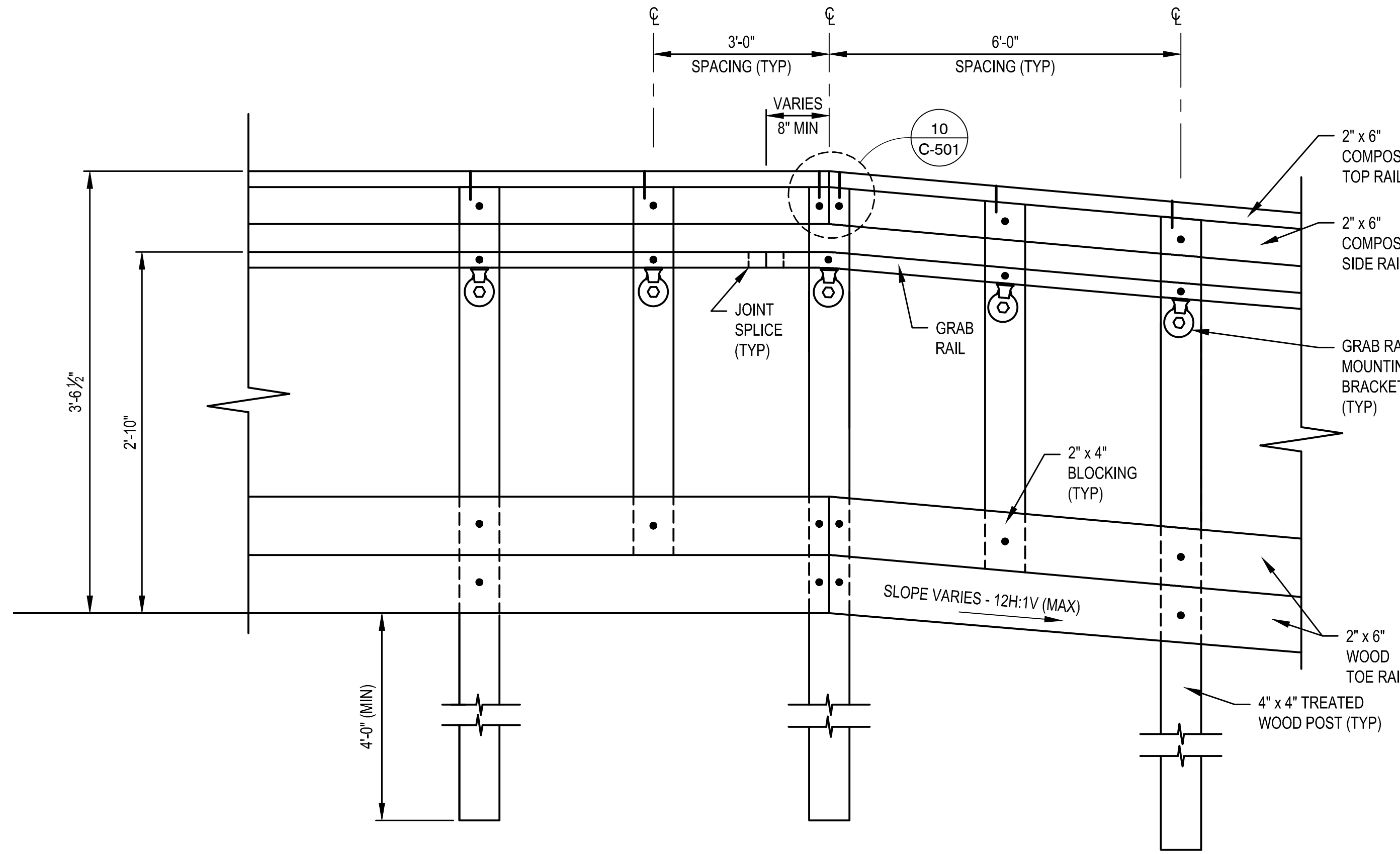
2 DETAIL - SPLIT RAIL FENCE POST AT ANGLE POINT
NTS



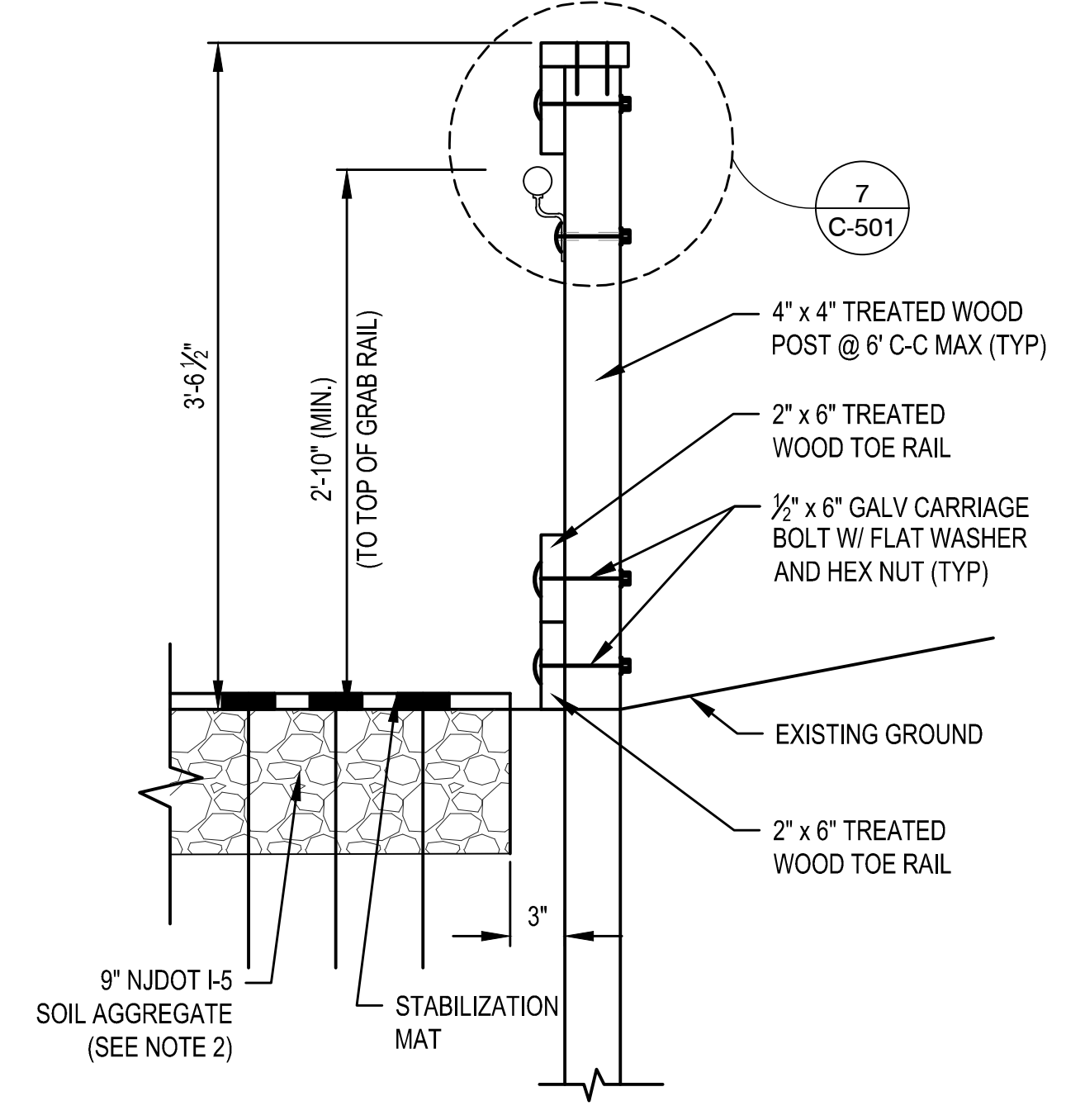
3 ELEVATION - SPLIT RAIL FENCE
NTS



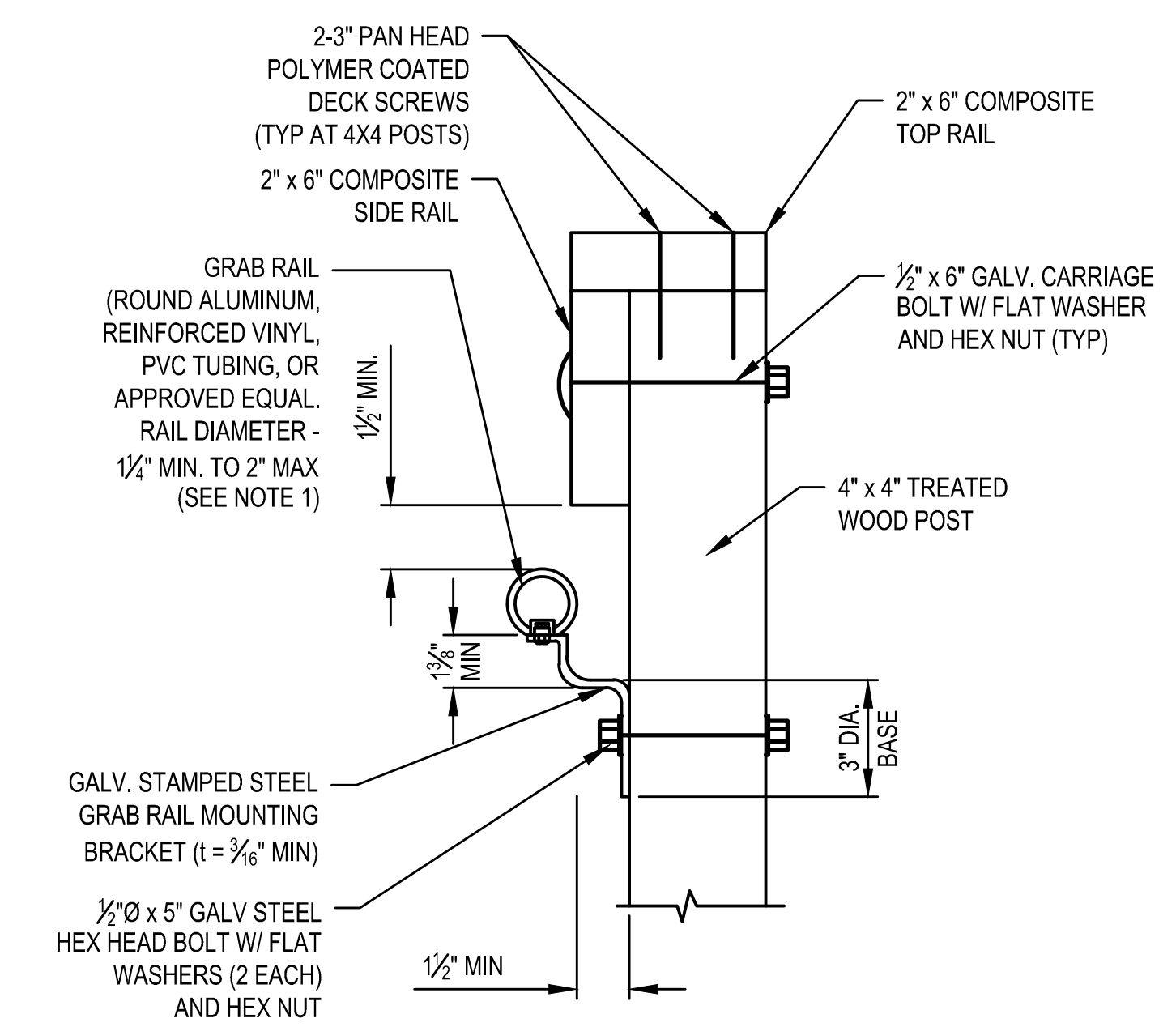
4 DETAIL - TOP OF SPLIT RAIL FENCE POST TAPER
NTS



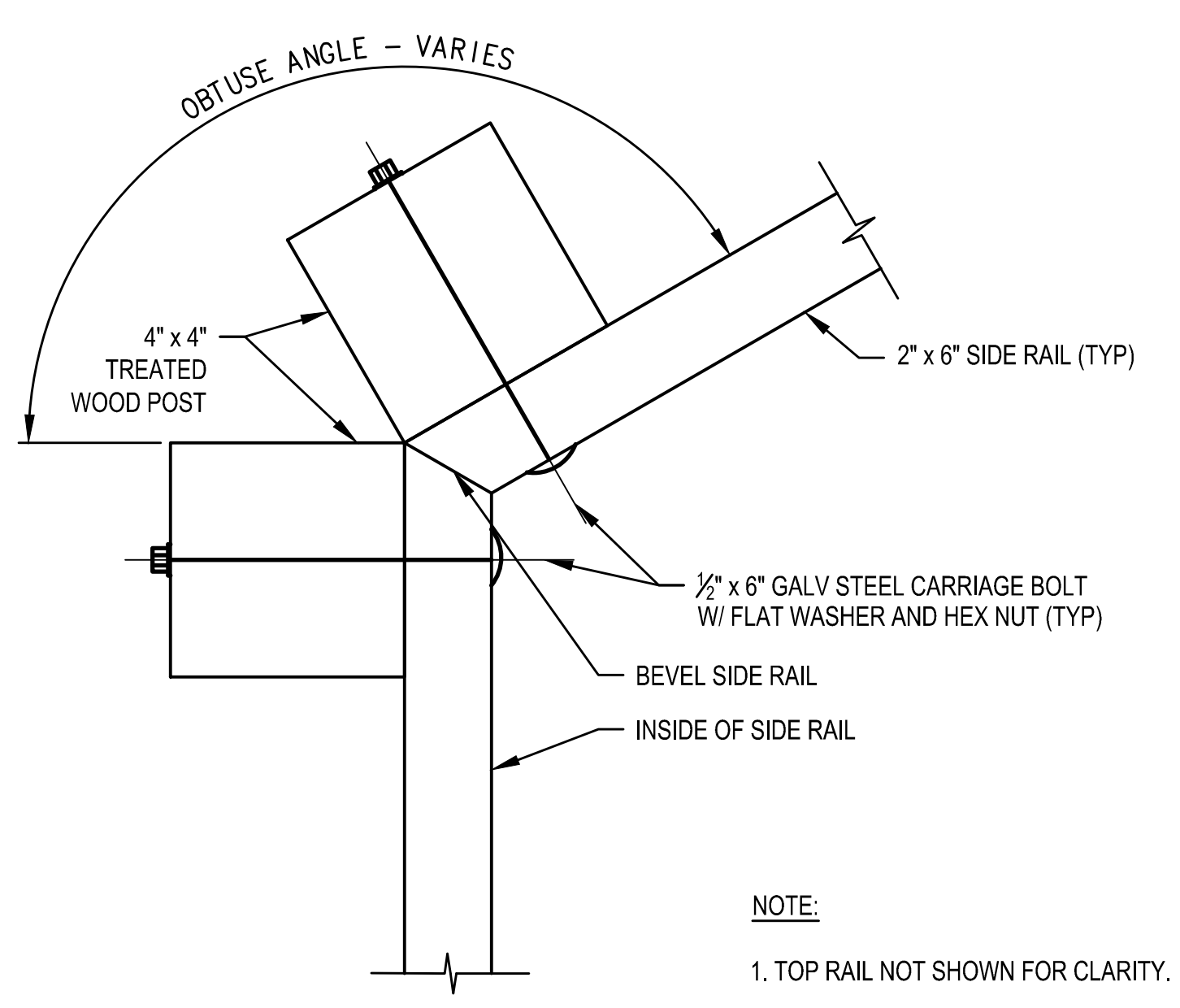
5 ELEVATION - POST AND RAIL FENCE
NTS



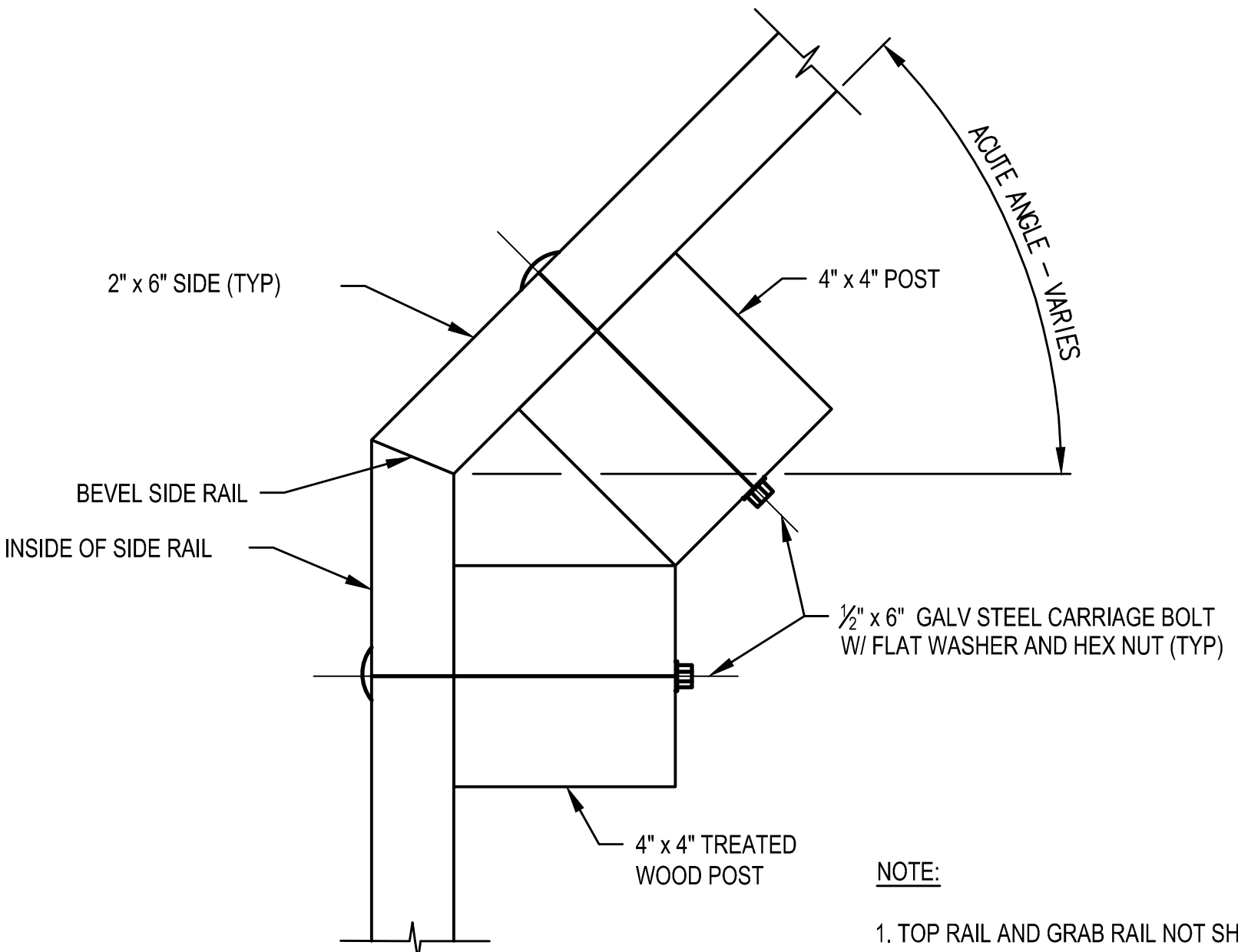
6 DETAIL - POST AND RAIL FENCE
NTS



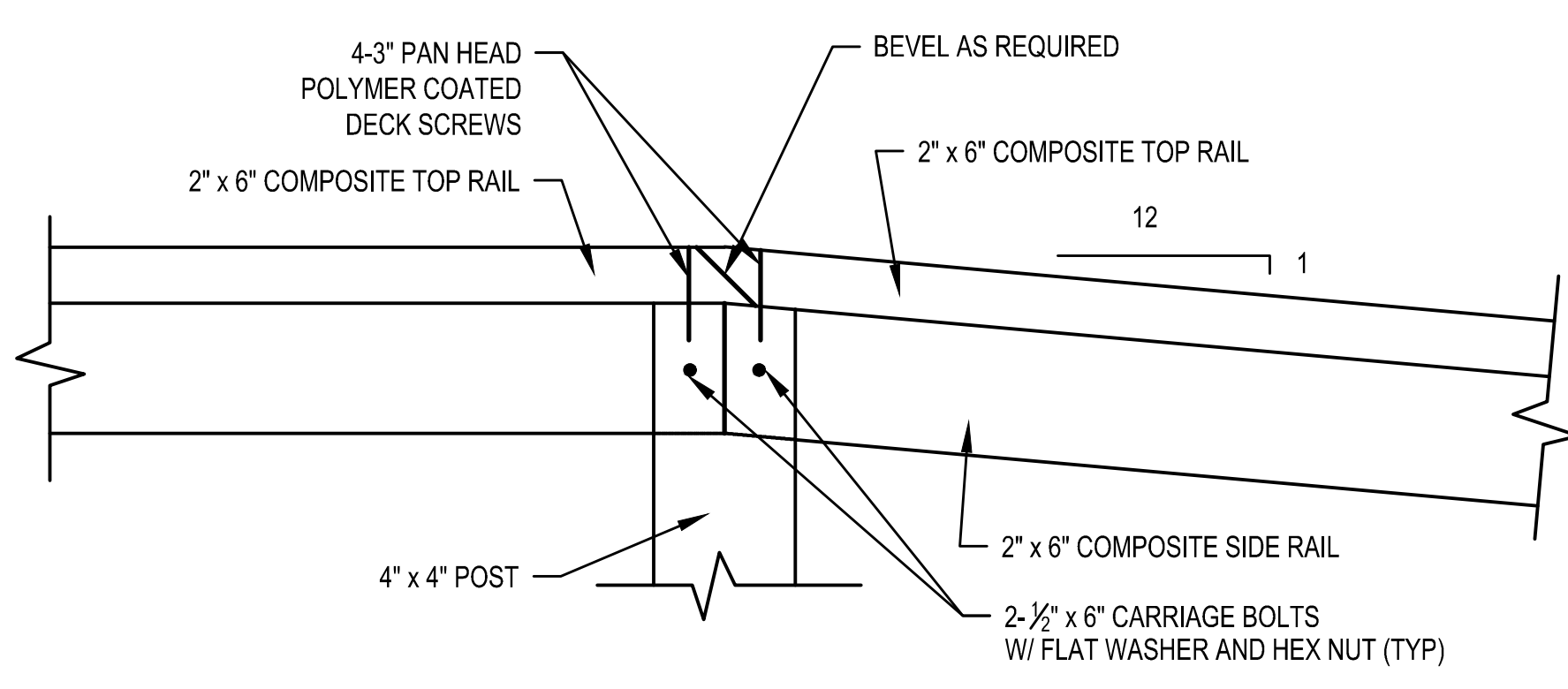
7 DETAIL - GRAB RAIL MOUNTING BRACKET TO POST
NTS



8 DETAIL - POST AND RAIL FENCE RAILING WITH OBTUSE ANGLE
NTS



9 DETAIL - POST AND RAIL FENCE RAILING WITH ACUTE ANGLE
NTS



10 DETAIL - POST AND RAIL FENCE RAIL SPLICE
NTS

NOTES:
1. THE DIMENSION MAY VARY, BUT 1/4" MINIMUM CLEAR IS REQUIRED BETWEEN THE O.D. OF THE GRAB RAIL AND FACE OF POST TO MEET ADA REQUIREMENTS.
2. CROSSOVER SURFACE MAY BE I-5 SOIL AGGREGATE OR STABILIZATION MAT. SEE CROSSOVER SCHEDULE ON SHEET C-401.

US Army Corps of Engineers Philadelphia District

DESIGNED BY: [] DATE: []
 CHECKED BY: [] DATE: []
 DRAWN BY: [] DATE: []
 IN CHARGE: [] DATE: []

DESIGNED BY: [] DATE: []
 CHECKED BY: [] DATE: []
 DRAWN BY: [] DATE: []
 IN CHARGE: [] DATE: []

OWN BY: []
 DATE: []
 PROJECT NUMBER: []
 CONTRACT NUMBER: []
 FILE NAME: []

HEREFOR INLET TO CAPE MAY INLET
 CAPE MAY COUNTY, NEW JERSEY
 INITIAL CONSTRUCTION
 DETAILS - FENCE

SHEET NUMBER
 C-501

1

2

3

4

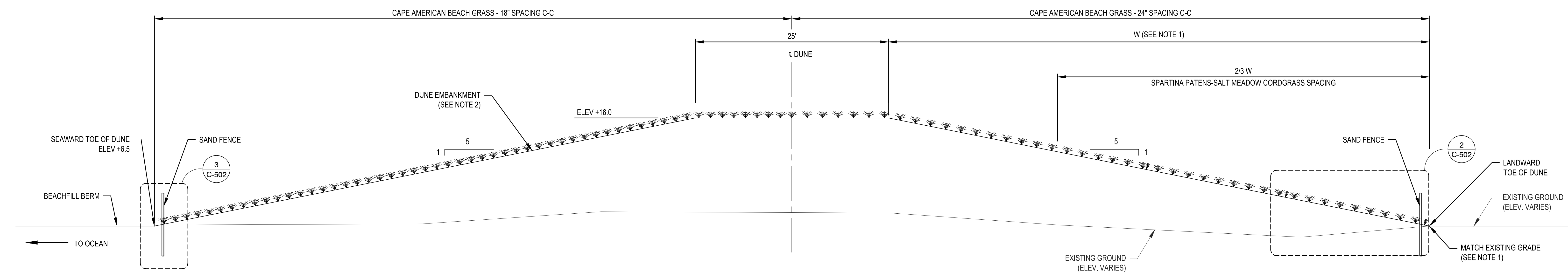
5

D

C

B

A

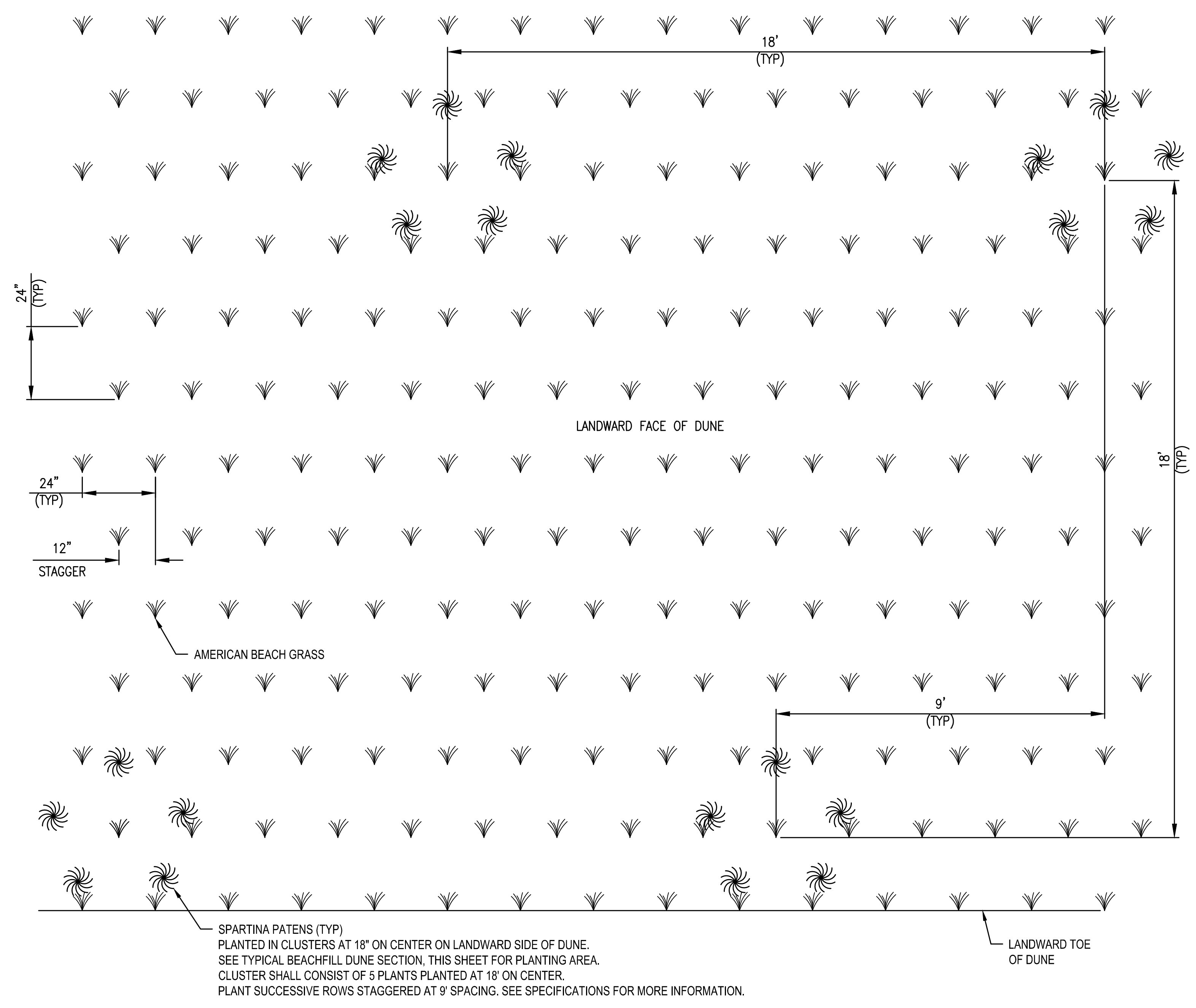


NOTE:

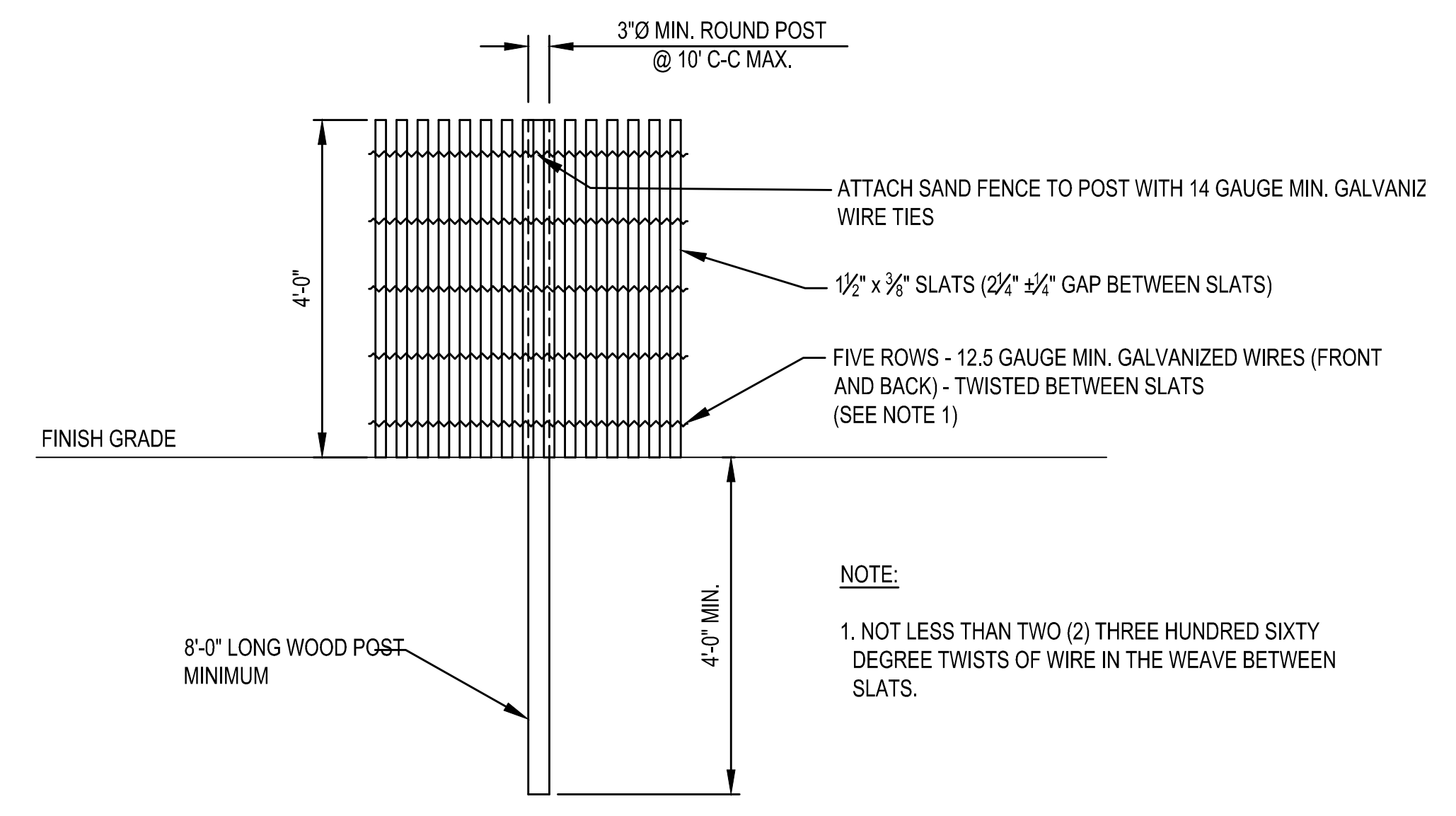
1. IN AREAS OF EXISTING DUNES, FULL DUNE CONSTRUCTION SHOWN HERE MAY NOT BE REQUIRED. SEE BEACHFILL CROSS SECTION SHEETS. PLANTING IS NOT REQUIRED ON EXISTING DUNES.
2. DUNE EMBANKMENT WIDTH VARIES TOE-TO-TOE.

DRAFT

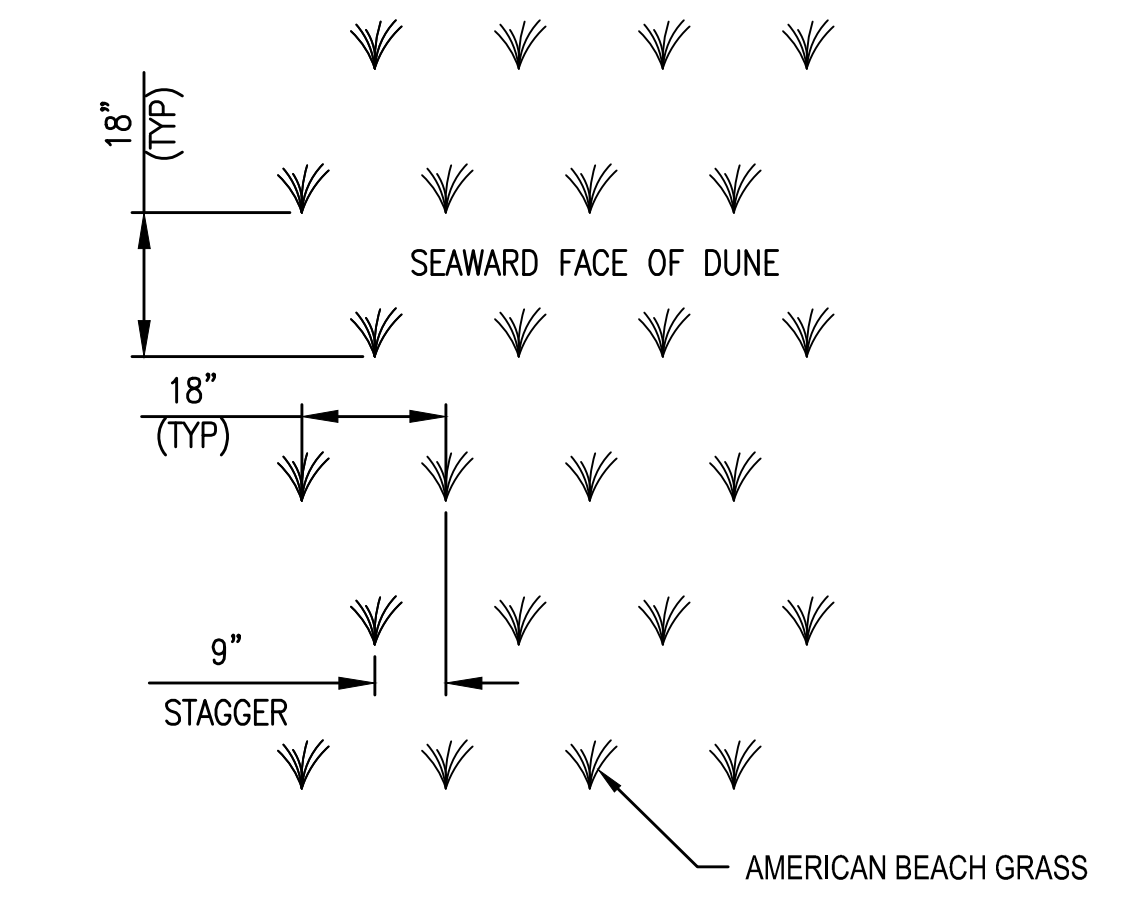
1 DETAIL - DUNE PLANTING
NTS



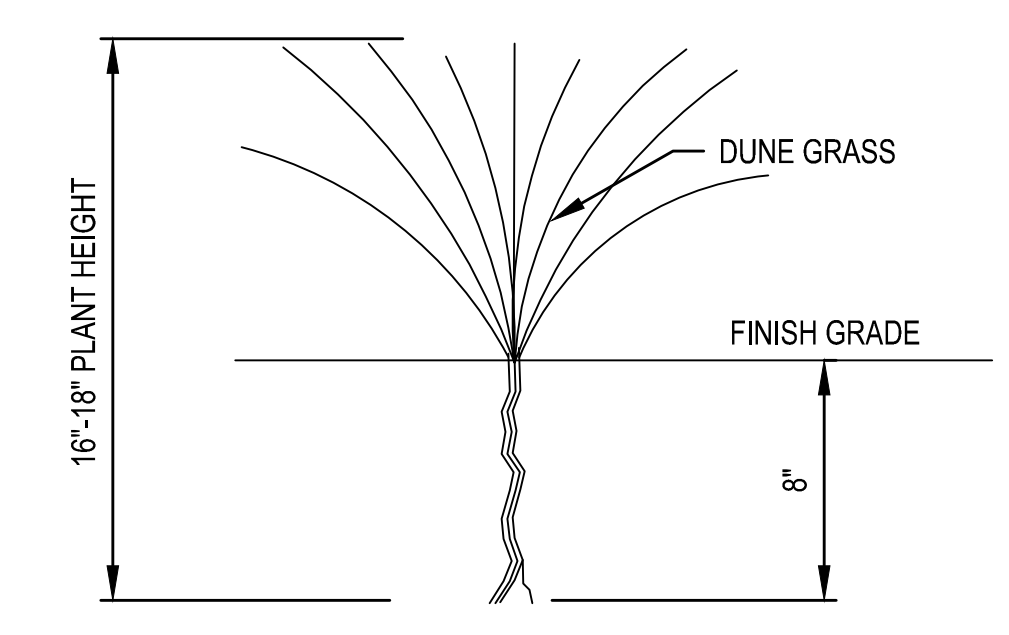
2 DETAIL - LANDWARD FACE OF DUNE GRASS PLANTING LAYOUT
NTS



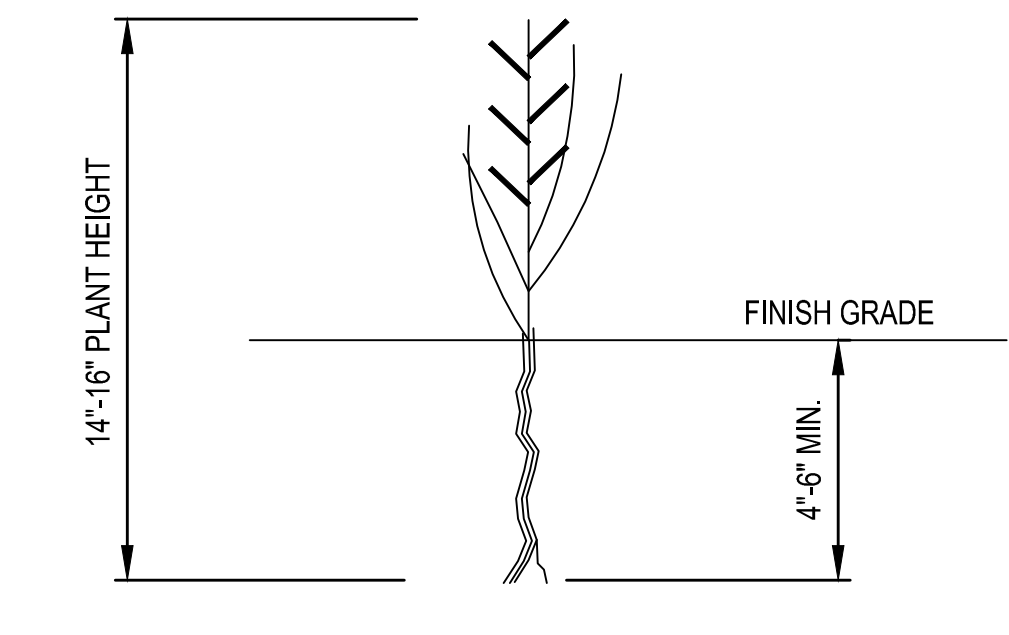
3 DETAIL - SAND FENCE WITH POST
NTS



4 DETAIL - SEAWARD FACE OF DUNE PLANTING LAYOUT
NTS



5 DETAIL - CAPE AMERICAN BEACH GRASS
NTS



6 DETAIL - SPARTINA PATENS-SALT MEADOW CORDGRASS
NTS

DESIGNED BY: [REDACTED] DATE: 08/07/2023	CHECKED BY: [REDACTED] DATE:
DRAWN BY: [REDACTED] DATE:	PROJECT NUMBER: [REDACTED]
DWG. SCALE: AS SHOWN	CONTRACT NUMBER: [REDACTED]
FILE NAME: [REDACTED]	PROJECT NUMBER: [REDACTED]
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT PHILADELPHIA, PA 19107-3380 www.usace.army.mil	HEREFOR INLET TO CAPE MAY INLET CAPE MAY COUNTY, NEW JERSEY INITIAL CONSTRUCTION DETAILS - DUNE PLANTING AND SAND FENCE
SHEET NUMBER C-502	