

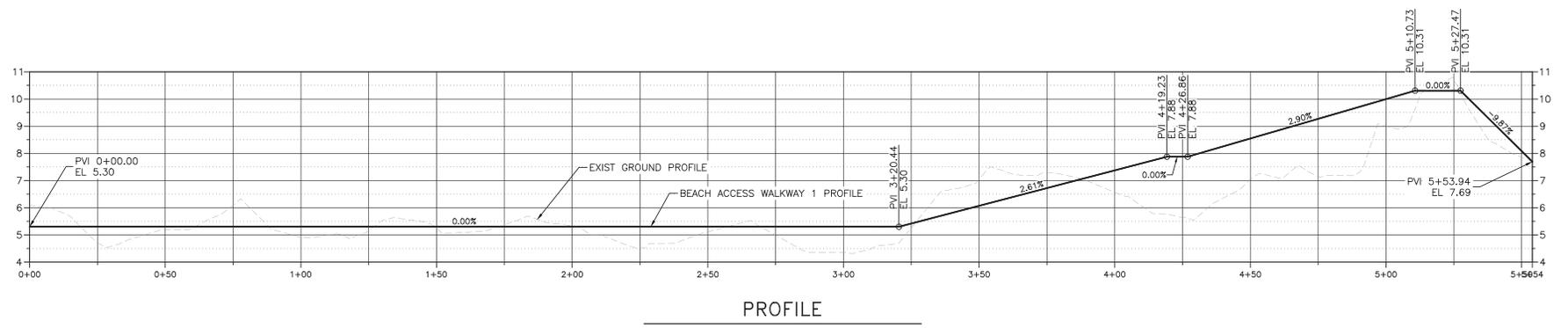
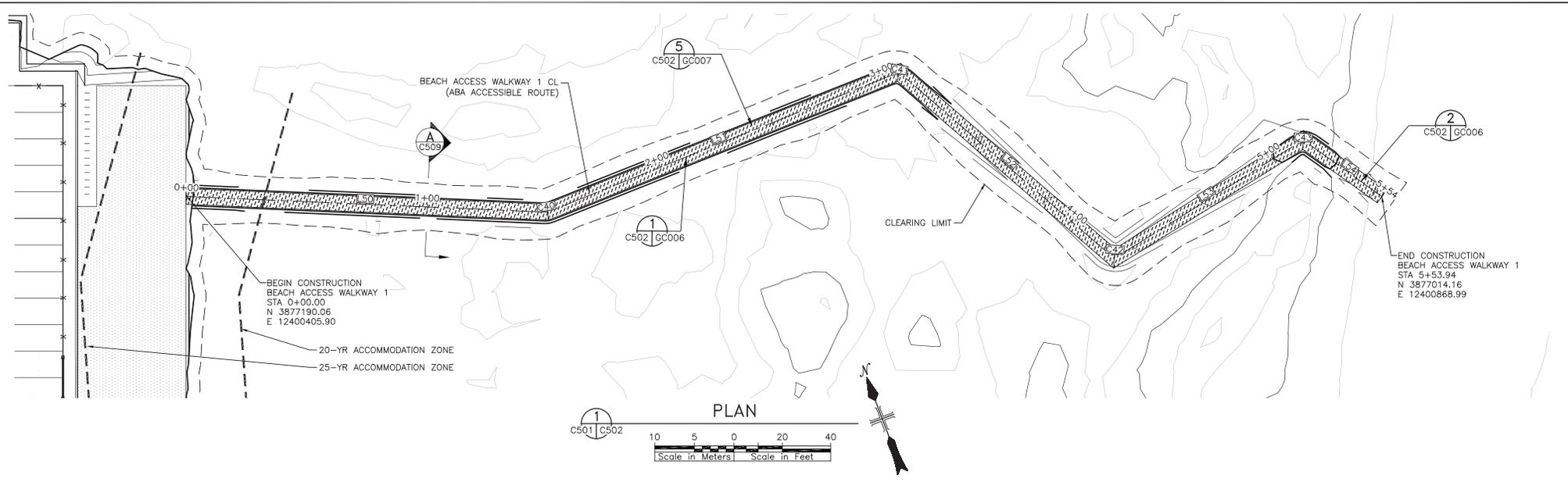
BOARDWALK CONSTRUCTION

CHINCOTEAGUE NATIONAL WILDLIFE REFUGE

DRAWING ATTACHMENT 7 PAGES

Boardwalk location plans for locations 1, 2, and 3.
Locations 1 and 3 are on grade boardwalks, location 2 is the elevated boardwalk with benches, seating access, overlooks, stairs, railing and all incidental work required as shown on the drawings . 3 pages.

Boardwalk details. 4 pages



- SHEET NOTES:**
1. THE FOLLOWING BEACH ACCESS ROUTE WAS DESIGNED BASED ON AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD FIT BEACH ACCESS ROUTE BASED ON FIELD CONDITIONS AS APPROVED BY OWNER.
 2. SAND FENCING SHALL BE PERFORMED BY OTHERS.
 3. AT A MINIMUM, BEACH ACCESS ROUTE SHALL BE CONSTRUCTED IN ACCORDANCE TO ABA STANDARDS FOR MAXIMUM RUNNING SLOPE AND SEGMENT LENGTH ALONG THE UPGRADIENT SLOPE TO TOP OF DUNE.
 4. SEE C511 FOR LINE AND CURVE COORDINATE AND DIMENSION TABLE.



VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

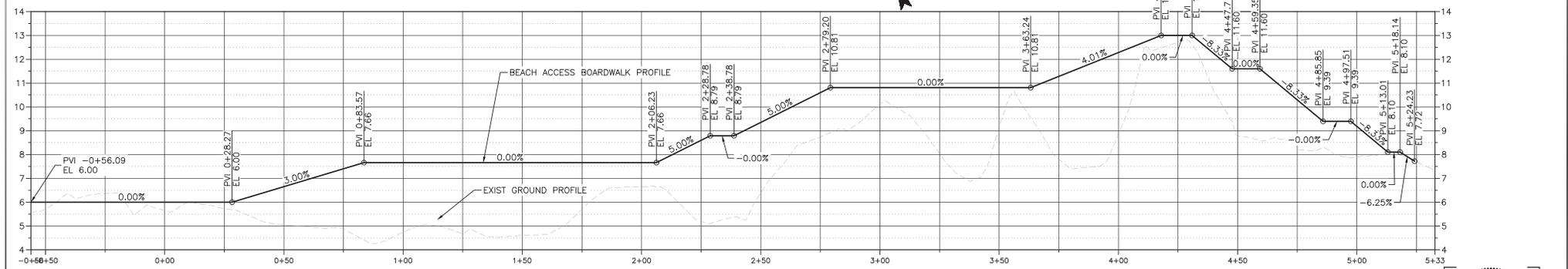
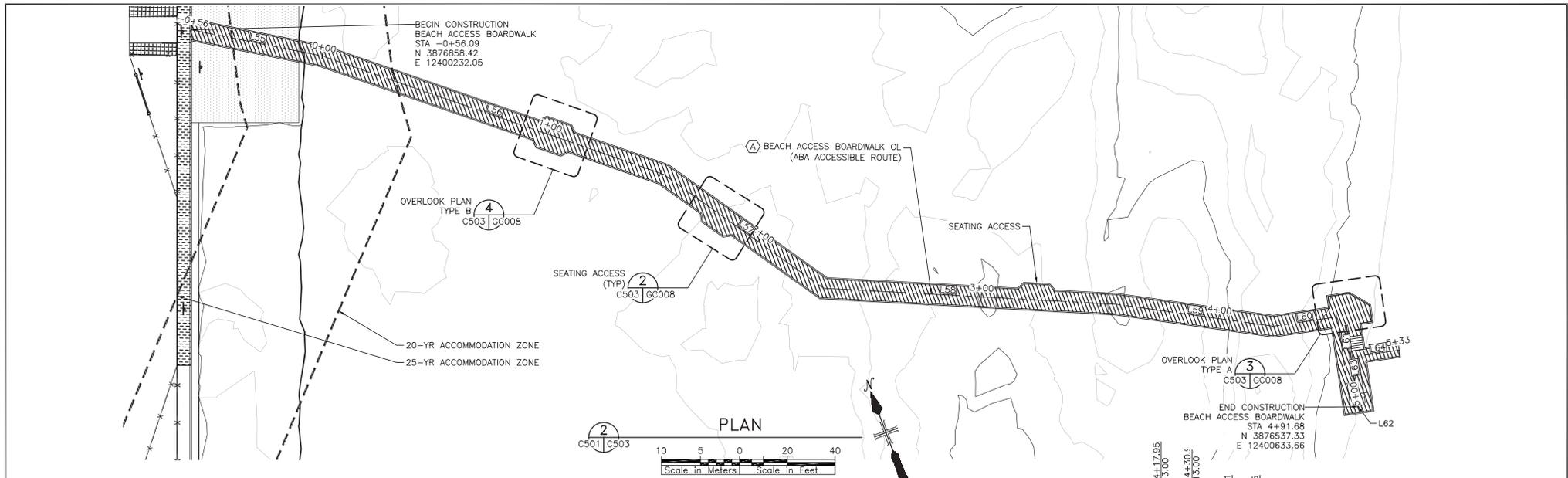
REV.	DATE	DESCRIPTION	BY
Δ	09/27/24	100% DESIGN SUBMITTAL	JB
Δ	09/06/24	95% DESIGN SUBMITTAL	JB
Δ	07/17/24	65% DESIGN SUBMITTAL	JB

CHINCOTEAGUE BEACH ACCESS REDESIGN PROJECT

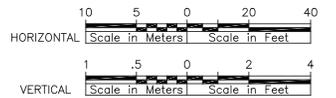
DESIGNED	DRAWN	CHECKED	DATE	DRAWING NO.	
KV	JN	SW	09/27/24		SR-VA-383-101.0



DIGITALLY SIGNED ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST



PROFILE



SHEET NOTES:

1. CONSTRUCT BOARDWALK PER DETAILS SHOWN ON GC009, GC010, AND GC011.
2. SEE C511 FOR LINE AND CURVE COORDINATE AND DIMENSION TABLE.

VERIFY SCALE
THIS BAR IS
ONE INCH ON
ORIGINAL DRAWING
0" = 1"
ADJUST SCALES
ACCORDINGLY, IF
NOT ONE INCH
ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
09/27/24	100% DESIGN SUBMITTAL		JB
09/06/24	95% DESIGN SUBMITTAL		JB
07/17/24	65% DESIGN SUBMITTAL		JB

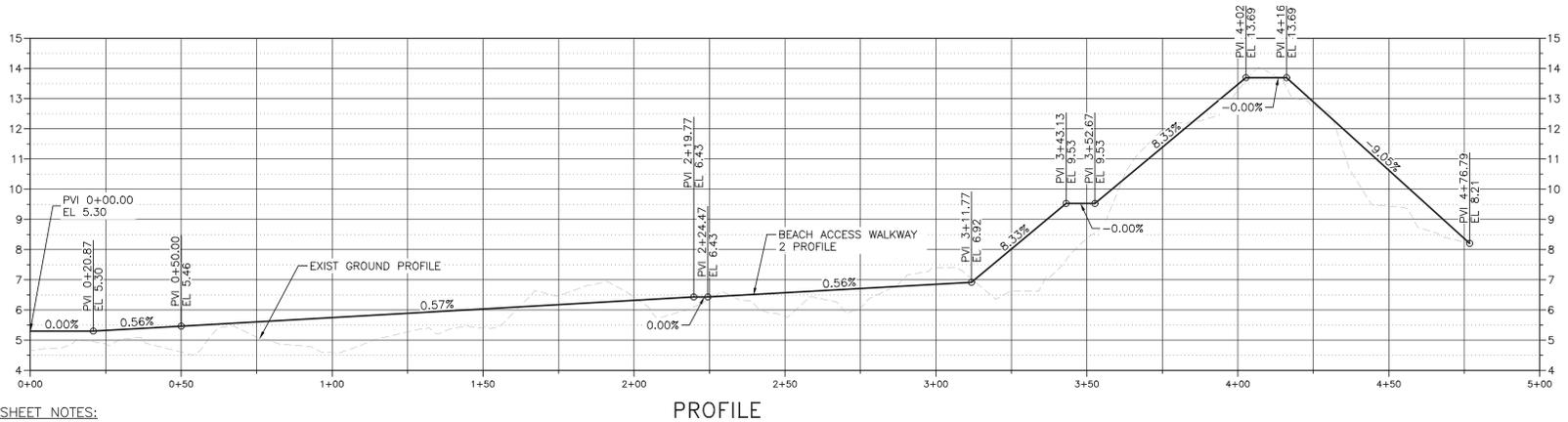
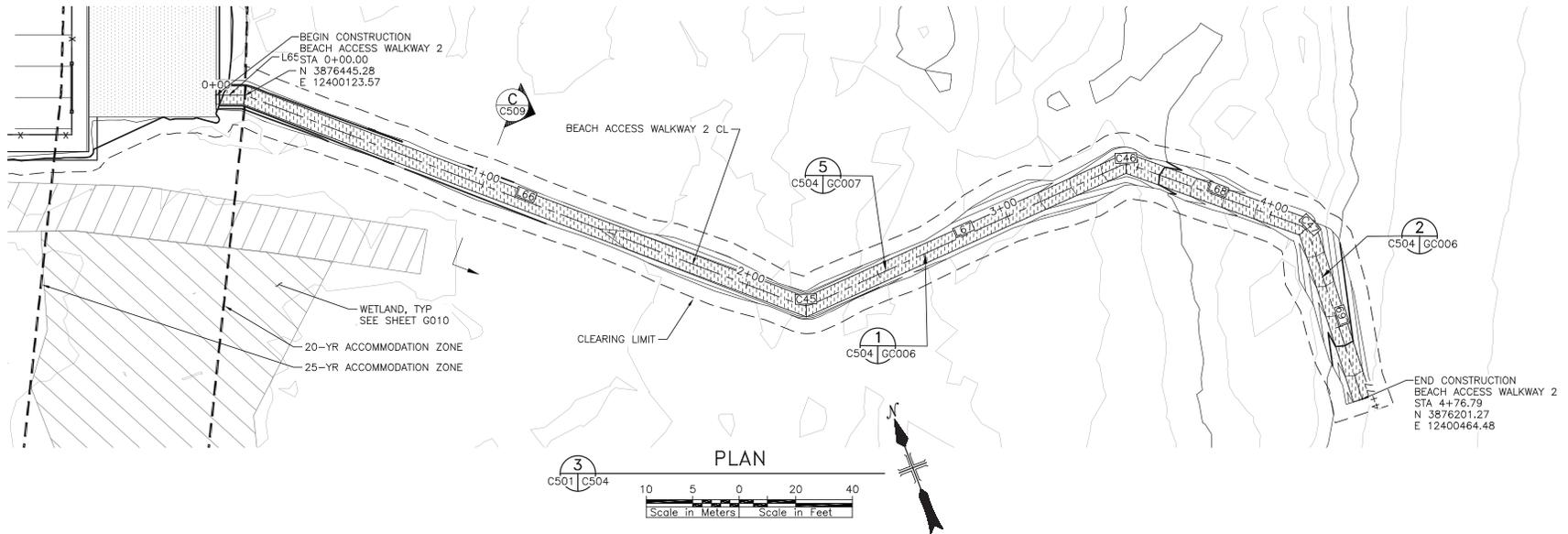
CHINCOTEAGUE BEACH ACCESS REDESIGN PROJECT



DESIGNED		DRAWN		CHECKED		DATE		DRAWING NO.		C503	
KV		JN		SW		09/27/24				SR-VA-383-101.0	

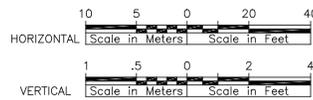


DIGITALLY SIGNED ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST



SHEET NOTES:

1. THE FOLLOWING BEACH ACCESS ROUTE WAS DESIGNED BASED ON AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD FIT BEACH ACCESS ROUTE BASED ON FIELD CONDITIONS AS APPROVED BY OWNER.
2. SAND FENCING SHALL BE PERFORMED BY OTHERS.
3. AT A MINIMUM, BEACH ACCESS ROUTE SHALL BE CONSTRUCTED IN ACCORDANCE TO ABA STANDARDS FOR MAXIMUM RUNNING SLOPE AND SEGMENT LENGTH ALONG THE UPGRADIENT SLOPE TO TOP OF DUNE.
4. SEE C511 FOR LINE AND CURVE COORDINATE AND DIMENSION TABLE.



VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

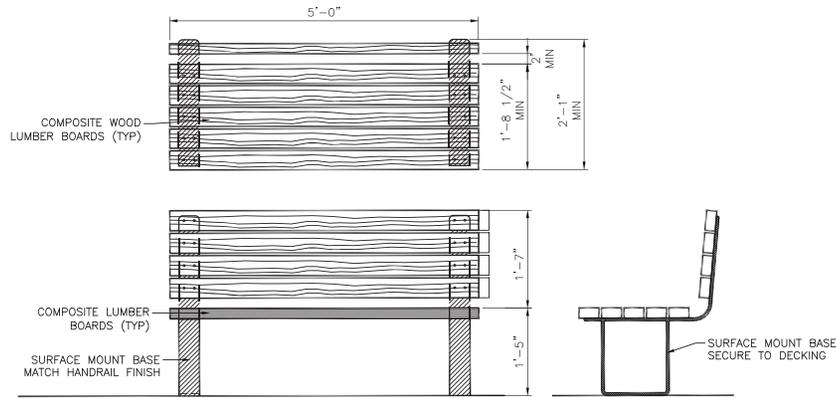
REV.	DATE	DESCRIPTION	BY
△	09/27/24	100% DESIGN SUBMITTAL	JB
△	09/06/24	95% DESIGN SUBMITTAL	JB
△	07/17/24	65% DESIGN SUBMITTAL	JB

CHINCOTEAGUE BEACH ACCESS REDESIGN PROJECT

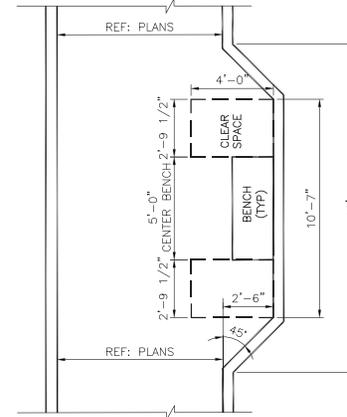
DESIGNED: KV DRAWN: JN CHECKED: SW DATE: 09/27/24 DRAWING NO.: SR-VA-383-101.0



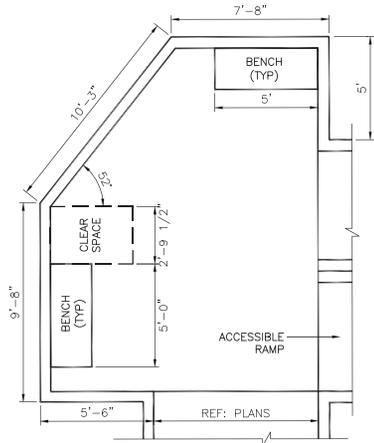
DIGITALLY SIGNED ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST



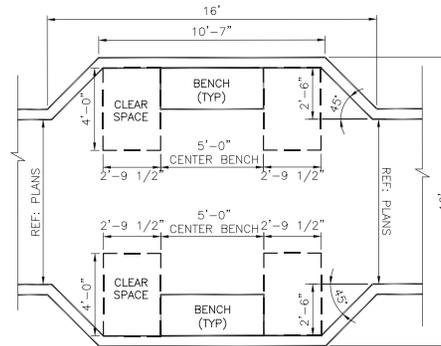
1 BENCH
C503 GC008



2 SEATING ACCESS
C503 GC008



3 OVERLOOK PLAN - TYPE A
C503 GC008



4 OVERLOOK PLAN - TYPE B
C503 GC008

SHEET NOTES:

- METAL HARDWARE USED FOR BOARDWALK ASSEMBLY SHALL BE CORROSION RESISTANT.



DIGITALLY SIGNED ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

09/27/24	100% DESIGN SUBMITTAL	JB
09/06/24	95% DESIGN SUBMITTAL	JB
07/17/24	65% DESIGN SUBMITTAL	JB
REV.	DATE	DESCRIPTION
BY		

CHINCOTEAGUE BEACH ACCESS REDESIGN PROJECT

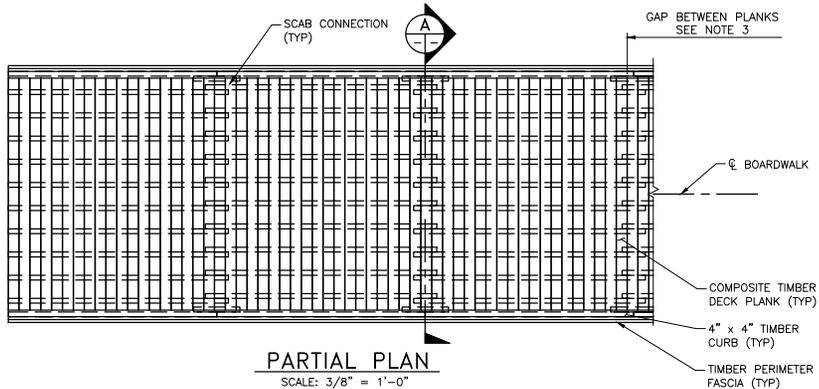


CIVIL DETAILS 7 - BOARDWALK SITE DETAILS GC008

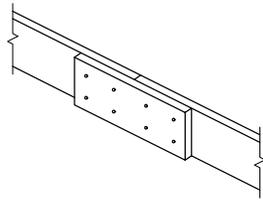
DESIGNED	DRAWN	CHECKED	DATE	DRAWING NO.
KV	JN	SW	09/27/24	SR-VA-383-101.0

NOTES:

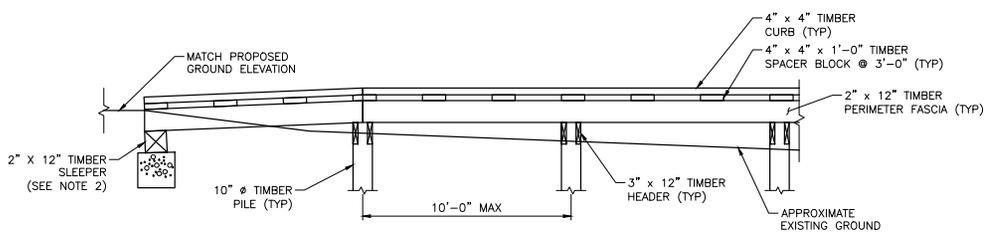
- FOR DETAILS ON BOARDWALK AREAS GREATER THAN 30" ABOVE FINISHED GRADE, SEE BOARDWALK DETAILS - GREATER THAN 30 INCHES AFG, SHEET GC010.
- FOR DETAILS ON BOARDWALK AREAS LESS THAN 15" ABOVE FINISHED GRADE, SEE BOARDWALK MISCELLANEOUS DETAILS, SHEET GC011.
- INSTALL COMPOSITE TIMBER DECKING ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND ABA REQUIREMENTS.
- MATCH BOARDWALK WIDTH AS SHOWN TO BOARDWALK DETAILS - GREATER THAN 30 INCHES AFG, SHEET GC010.
- METAL HARDWARE USED FOR BOARDWALK ASSEMBLY SHALL BE CORROSION RESISTANT.



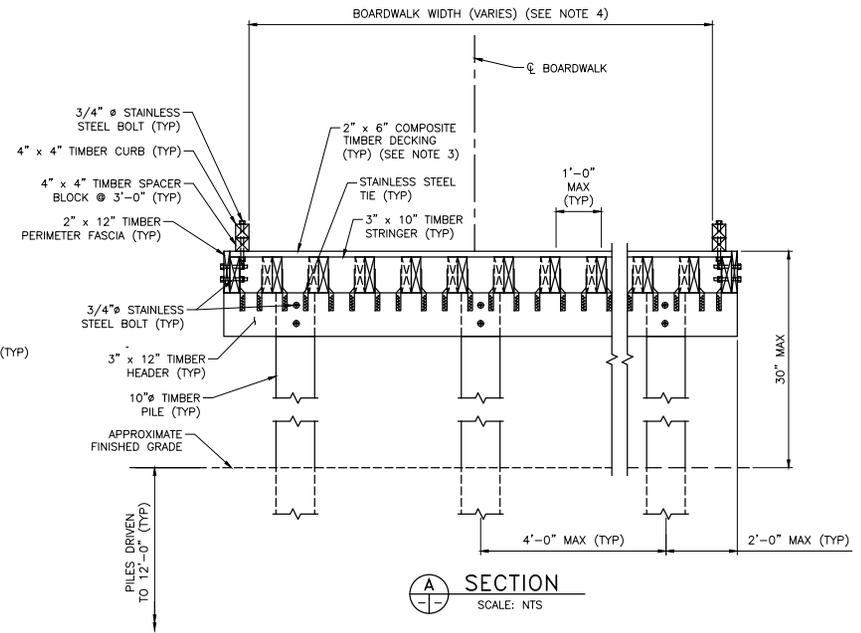
PARTIAL PLAN
SCALE: 3/8" = 1'-0"



SCAB ELEVATION
SCALE: NTS



TYPICAL PARTIAL ELEVATION
SCALE: 3/8" = 1'-0"



SECTION
SCALE: NTS

BOARDWALK - LESS THAN 30 INCHES AFG
SCALE: NTS

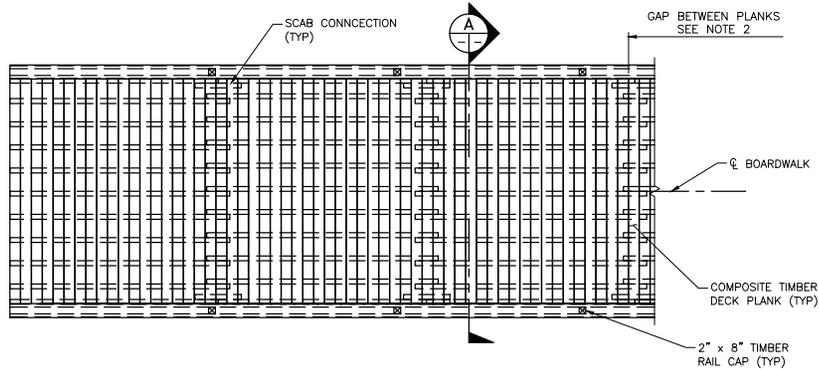


DIGITALLY SIGNED ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

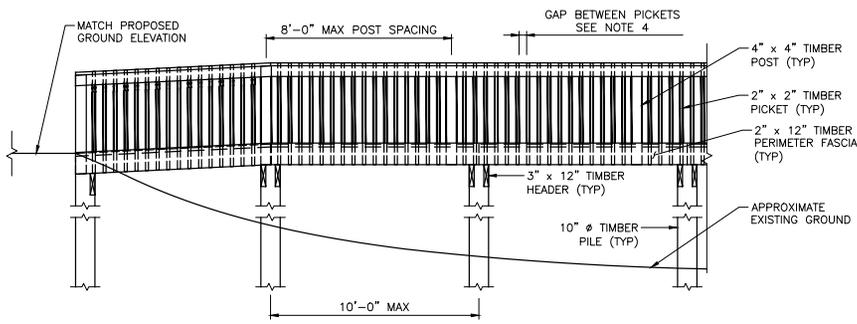
VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

09/27/24	100% DESIGN SUBMITTAL	JB
09/06/24	95% DESIGN SUBMITTAL	JB
07/17/24	65% DESIGN SUBMITTAL	JB
REV.	DATE	DESCRIPTION
CHINCOTEAGUE BEACH ACCESS REDESIGN PROJECT		
CIVIL DETAILS 8 - BOARDWALK DETAILS - LESS THAN 30 INCHES AFG		GC009
DESIGNED: KV	DRAWN: JN	CHECKED: SW
DATE: 09/27/24	DRAWING NO.:	SR-VA-383-101.0

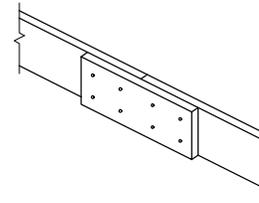




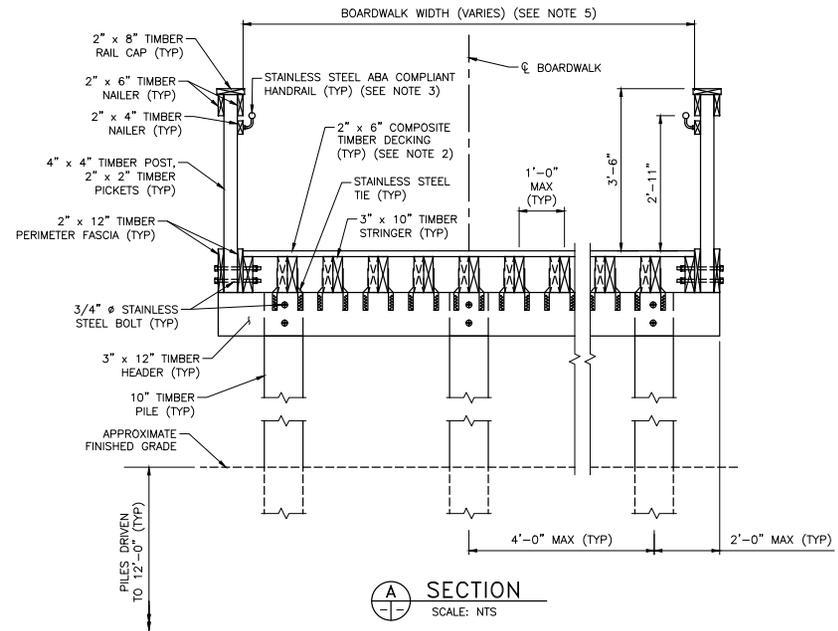
PARTIAL PLAN
SCALE: 3/8" = 1'-0"



TYPICAL PARTIAL ELEVATION
SCALE: 3/8" = 1'-0"



SCAB ELEVATION
SCALE: NTS



SECTION
SCALE: NTS

NOTES:

1. FOR DETAILS ON BOARDWALK AREAS GREATER THAN 30" ABOVE FINISHED GRADE, SEE BOARDWALK DETAILS - GREATER THAN 30 INCHES AFG, SHEET GC010.
2. INSTALL COMPOSITE TIMBER DECKING ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND ABA REQUIREMENTS.
3. INSTALL ABA-COMPLIANT HANDRAIL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
4. INSTALL RAILING SUCH THAT A 4-INCH DIAMETER SPHERE CANNOT PASS THROUGH.
5. MATCH BOARDWALK WIDTH AS SHOWN TO BOARDWALK DETAILS LESS THAN 30 INCHES AFG, SHEET GC009.
6. METAL HARDWARE USED FOR BOARDWALK ASSEMBLY SHALL BE CORROSION RESISTANT.

1 BOARDWALK - MORE THAN 30 INCHES AFG
SCALE: NTS



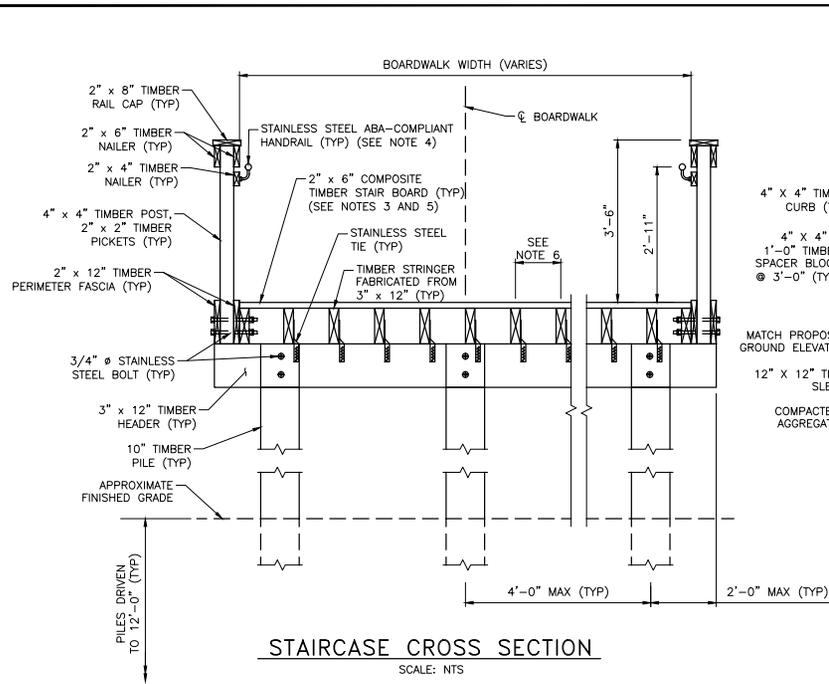
DIGITALLY SIGNED ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

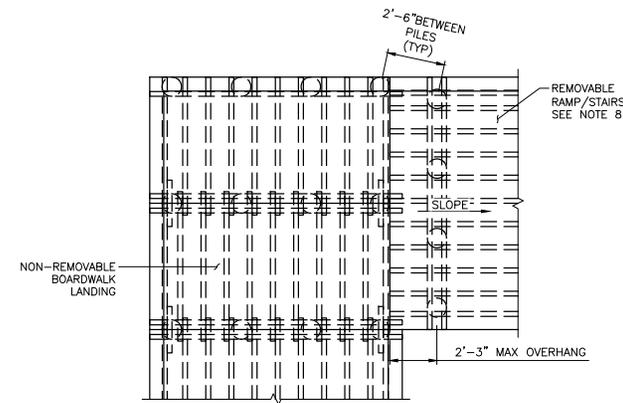
REV.	DATE	DESCRIPTION	BY
△	09/27/24	100% DESIGN SUBMITTAL	JB
△	09/06/24	95% DESIGN SUBMITTAL	JB
△	07/17/24	65% DESIGN SUBMITTAL	JB

CHINCOTEAGUE BEACH ACCESS REDESIGN PROJECT			
DESIGNED	DRAWN	CHECKED	DATE
KV	JN	SW	09/27/24
CIVIL DETAILS 9 - BOARDWALK DETAILS - GREATER THAN 30 INCHES AFG			GC010
DRAWING NO.			SR-VA-383-101.0



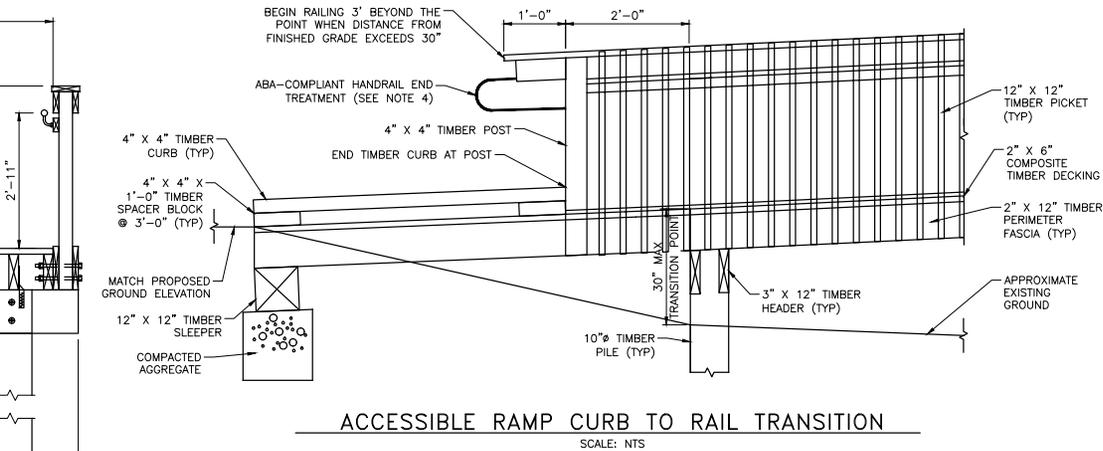


STAIRCASE CROSS SECTION
SCALE: NTS

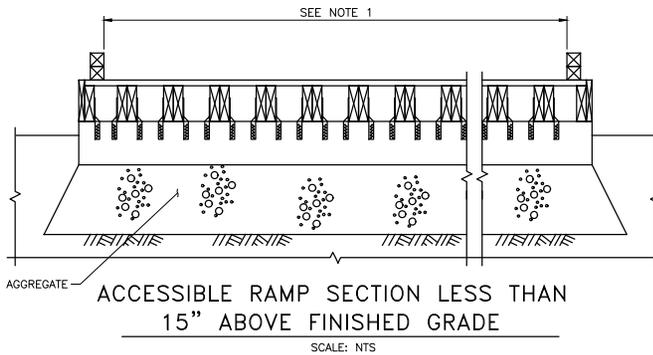


REMOVABLE RAMP / STAIRS PLAN
SCALE: NTS

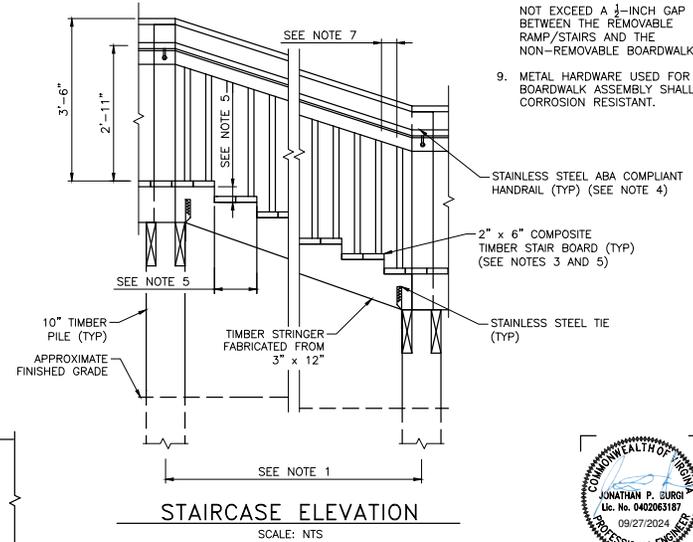
BOARDWALK MISCELLANEOUS DETAILS
SCALE: NTS



ACCESSIBLE RAMP CURB TO RAIL TRANSITION
SCALE: NTS



ACCESSIBLE RAMP SECTION LESS THAN 15\"/>



STAIRCASE ELEVATION
SCALE: NTS

- NOTES:**
1. FOR ADDITIONAL DETAILS, SEE BOARDWALK DETAILS SHEETS GC009 AND GC010.
 2. FOR ADDITIONAL DETAILS, SEE PLAN AND PROFILE SHEETS, C500 SERIES.
 3. INSTALL COMPOSITE TIMBER DECKING ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND ABA REQUIREMENTS.
 4. INSTALL ABA-COMPLIANT HANDRAIL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 5. INSTALL ABA-COMPLIANT STAIRCASE WITH A MAXIMUM 7-INCH RISE AND A MINIMUM 11-INCH DEPTH.
 6. INSTALL STAIR BOARDS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. SUPPORT STAIR BOARDS OR ADJUST STRINGER SPACING AT THE STAIRCASE AS NECESSARY TO MEET THE MANUFACTURER'S REQUIREMENTS.
 7. INSTALL STAIR RAILING ACCORDING TO ABA REQUIREMENTS.
 8. DO NOT ATTACH REMOVABLE RAMP/STAIRS TO THE NON-REMOVABLE BOARDWALK. DO NOT EXCEED A 1/4-INCH GAP BETWEEN THE REMOVABLE RAMP/STAIRS AND THE NON-REMOVABLE BOARDWALK.
 9. METAL HARDWARE USED FOR BOARDWALK ASSEMBLY SHALL BE CORROSION RESISTANT.



DIGITALLY SIGNED ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

REV.	DATE	DESCRIPTION	BY
09/27/24		100% DESIGN SUBMITTAL	JB
09/06/24		95% DESIGN SUBMITTAL	JB
07/17/24		65% DESIGN SUBMITTAL	JB

CHINCOTEAGUE BEACH ACCESS REDESIGN PROJECT

CIVIL DETAILS 10 - BOARDWALK MISCELLANEOUS DETAILS

DESIGNED: KV DRAWN: JN CHECKED: SW DATE: 09/27/24 DRAWING NO. **5R-VA-383-101.0**

