

NOTES

FOR GENERAL NOTES AND NOTES REGARDING MATERIALS AND CORROSION PROTECTION, SEE GENERAL DRAWINGS.

FOR CONCRETE SHEET PILE DESIGN PARAMETERS, SEE SHEET 6 OF 11.

FOR CONCRETE SHEET PILE FOUNDATION NOTES, SEE SHEET 6 OF 11.

THE SHEET PILE WIDTH DIMENSIONS ARE NOMINAL, THESE DIMENSIONS MAY BE SHORTENED BY THE MANUFACTURER UP TO 1/2" TO ALLOW FOR SHEET PILE FIT-UP IN ITS FINAL POSITION. NO CHANGES SHALL BE MADE TO THE TONGUES OR GROOVES.

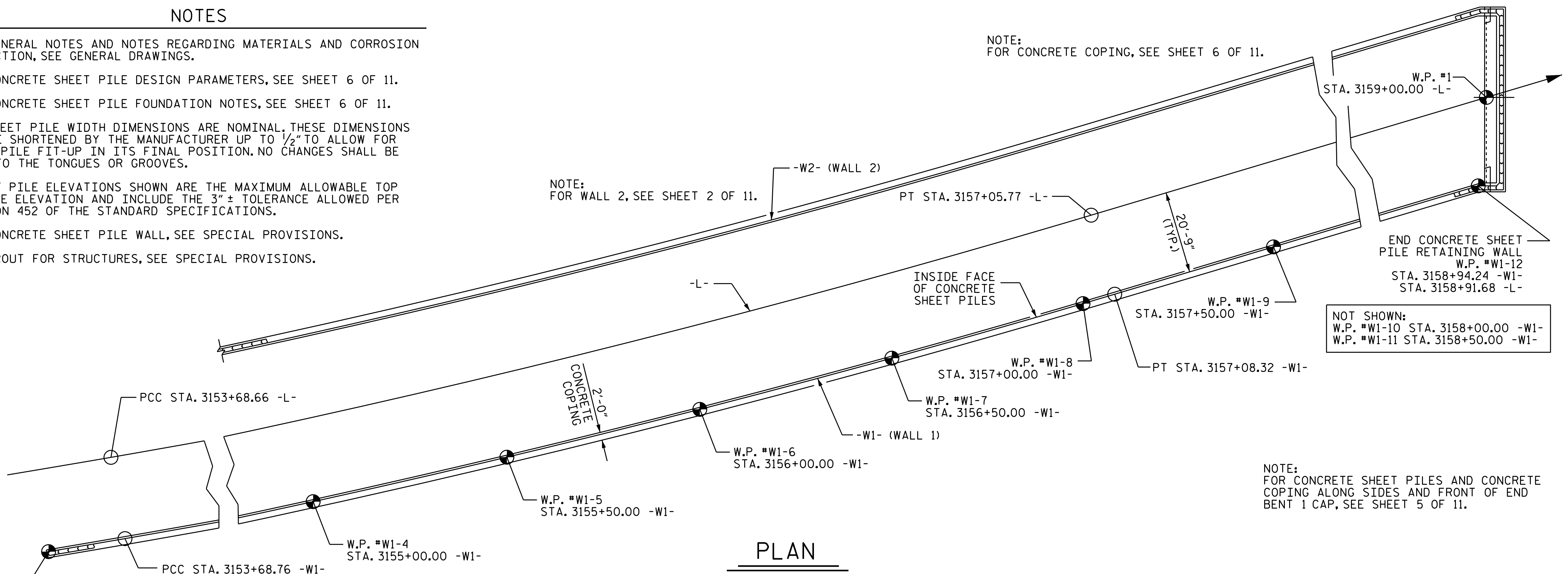
TOP OF PILE ELEVATIONS SHOWN ARE THE MAXIMUM ALLOWABLE TOP OF PILE ELEVATION AND INCLUDE THE 3" ± TOLERANCE ALLOWED PER SECTION 452 OF THE STANDARD SPECIFICATIONS.

FOR CONCRETE SHEET PILE WALL, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

NOTE:
FOR CONCRETE COPING, SEE SHEET 6 OF 11.

NOTE:
FOR WALL 2, SEE SHEET 2 OF 11.



PLAN

VERTICAL CURVE DATA -L-

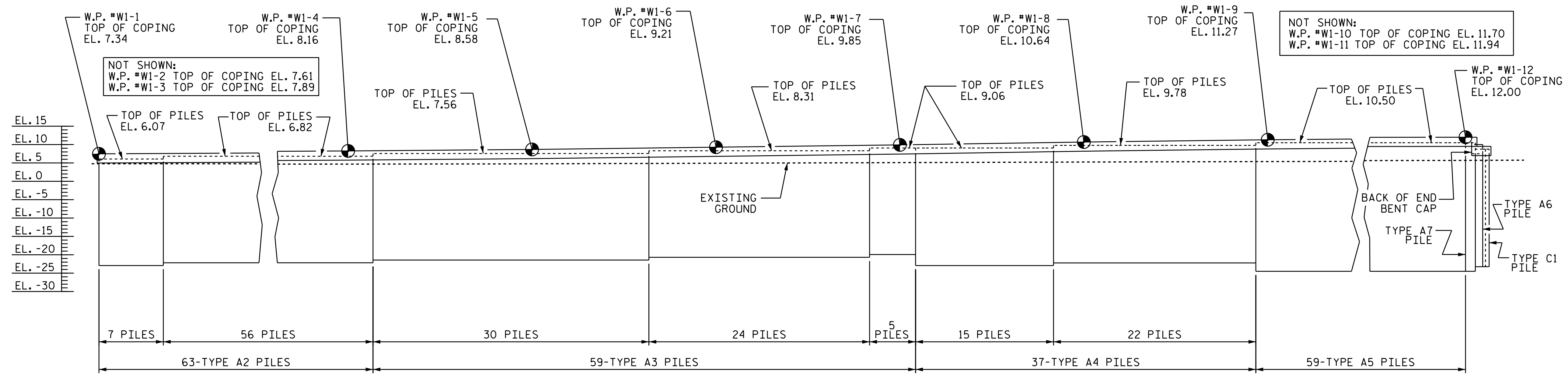
+0.5500%	△	+2.1000%
PI = 3155+80.00 -L-		
EL. = 7.86'		
VC = 180'		
+2.1000%	△	+0.5000%
PI = 3157+70.00 -L-		
EL. = 11.85'		
VC = 200'		

HORIZ. CURVE DATA -W1-

PI = 3153+59.00
Δ = 0°-15'-40.5" (LT)
D = 1°-20'-18.4"
L = 19.52'
T = 9.76'
R = 4,280.75'
PI = 3155+38.74
Δ = 6°-48'-03.2" (LT)
D = 2°-00'-10.2"
L = 339.56'
T = 169.98'
R = 2,860.75'

NOT SHOWN:
W.P. #W1-10 STA. 3158+00.00 -W1-
W.P. #W1-11 STA. 3158+50.00 -W1-

NOTE:
FOR CONCRETE SHEET PILES AND CONCRETE COPING ALONG SIDES AND FRONT OF END BENT 1 CAP, SEE SHEET 5 OF 11.



WALL 1 ELEVATION

NOTE:
CAST-IN-PLACE CONCRETE COPING SHALL EXTEND 6" BEYOND FIRST PILE AT W.P. #W1-1.

NOTE:
INDIVIDUAL PILES WITHIN PILE GROUPS NOT SHOWN FOR CLARITY



PROJECT NO. B-2500AB
DARE COUNTY
STATION: 3170+75.00 -L-

SHEET 1 OF 11

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

CONCRETE SHEET PILE RETAINING WALL WALL 1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	W-1
1			3			TOTAL SHEETS
2			4			13

DRAWN BY : T. M. GARRISON, P.E. DATE : 6/15
CHECKED BY : M. A. ALLEN DATE : 6/15
DESIGN ENGINEER OF RECORD: T. M. GARRISON, P.E. DATE : 6/15