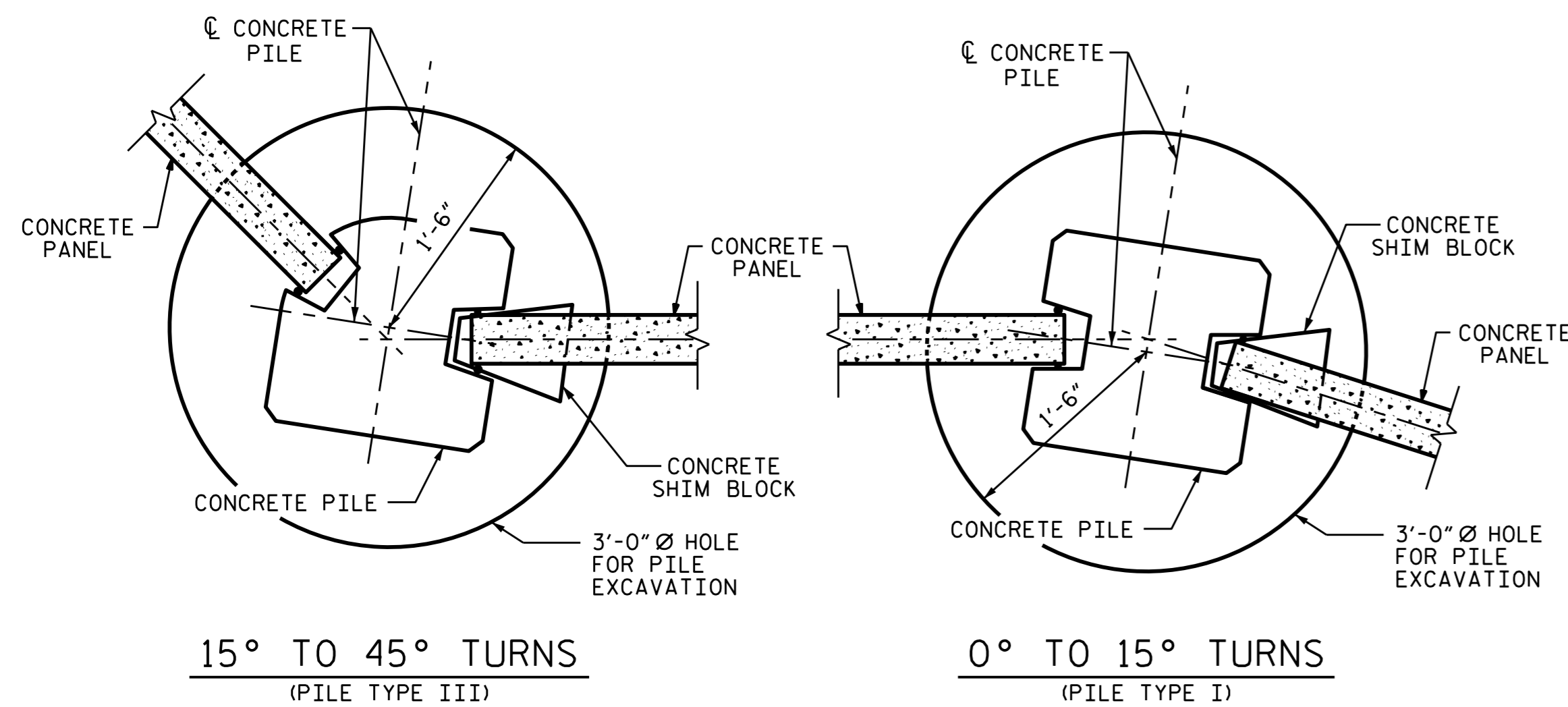


ELEVATION

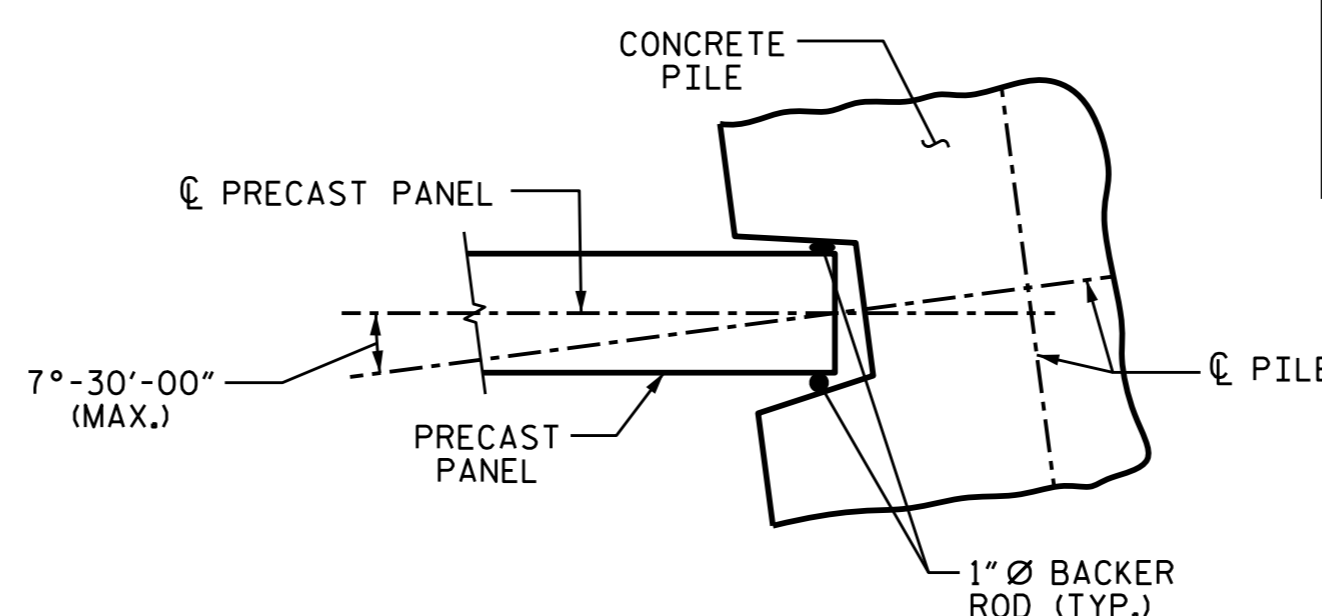
SECTION A-A

PILE EXCAVATION DEPTH "D"		
3'-0" Ø HOLE		
SOUND BARRIER WALL #6		
FROM : STA. 452+79.17 -L- (75.00 LT.)		
TO : STA. 0+48.51 -SPBY8- (60.03 LT.)		
WALL STATION -NW6-	PILE SPACING	DEPTH "D"
STA. 10+00 -NW6- TO STA. 13+00 -NW6-	10'-0"	9'-0"
	15'-0"	11'-0"
STA. 13+00 -NW6- TO STA. 17+00 -NW6-	10'-0"	10'-0"
	15'-0"	12'-0"
STA. 17+00 -NW6- TO STA. 25+00 -NW6-	10'-0"	9'-0"
	15'-0"	11'-0"
STA. 25+00 -NW6- TO STA. 36+00 -NW6-	10'-0"	12'-0"
	15'-0"	14'-0"
STA. 36+00 -NW6- TO STA. 38+00 -NW6-	10'-0"	10'-0"
	15'-0"	12'-0"
STA. 38+00 -NW6- TO STA. 43+00 -NW6-	10'-0"	10'-0"
	15'-0"	11'-0"
STA. 43+00 -NW6- TO STA. 45+00 -NW6-	10'-0"	11'-0"
	15'-0"	13'-0"
STA. 45+00 -NW6- TO STA. 49+75 -NW6-	10'-0"	10'-0"
	15'-0"	12'-0"

PILE VERTICAL REINFORCING STEEL							
DESIGN WIND PRESSURE = 40 PSF							
PILE TYPE I				PILE TYPE III			
PILE SPACING	MAXIMUM WALL HEIGHT (H)	VERTICAL REINFORCING STEEL	TIES	PILE SPACING	MAXIMUM WALL HEIGHT (H)	VERTICAL REINFORCING STEEL	TIES
10'-0"	H ≤ 25'	4 - #8 EA. FACE	#3 @ 1'-4" CTS.	10'-0"	H ≤ 25'	3 - #9 SHORT FACE 4 - #9 LONG FACE	#3 @ 1'-4" CTS.
	H ≤ 20'	4 - #8 EA. FACE	#3 @ 1'-4" CTS.		15'-0"	H ≤ 20'	3 - #9 SHORT FACE 4 - #9 LONG FACE
15'-0"	20' < H ≤ 26'	4 - #10 EA. FACE	#3 @ 1'-4" CTS.	15'-0"		20' < H ≤ 26'	3 - #11 SHORT FACE 4 - #11 LONG FACE
	PILE TYPE II				PILE TYPE III ALT.		
PILE SPACING	MAXIMUM WALL HEIGHT (H)	VERTICAL REINFORCING STEEL	TIES	PILE SPACING	MAXIMUM WALL HEIGHT (H)	VERTICAL REINFORCING STEEL	TIES
10'-0"	H ≤ 25'	4 - #6 EA. FACE	#3 @ 1'-4" CTS.	10'-0"	H ≤ 25'	3 - #9 SHORT FACE 4 - #9 LONG FACE	#3 @ 1'-4" CTS.
	H ≤ 20'	4 - #6 EA. FACE	#3 @ 1'-4" CTS.		15'-0"	H ≤ 20'	3 - #9 SHORT FACE 4 - #9 LONG FACE
15'-0"	20' < H ≤ 26'	4 - #7 EA. FACE	#3 @ 1'-4" CTS.	15'-0"		20' < H ≤ 26'	3 - #11 SHORT FACE 4 - #11 LONG FACE



TYPICAL WALL TURN DETAILS



PILE ROTATION LIMIT FOR WALL TURN

(ROTATE THE CONCRETE PILE ±7°-30'-00" TO ACCOMMODATE WALL TURN.)

BILL OF MATERIAL	
SOUND BARRIER WALL #6	81,315 S.F.
QUANTITIES PROVIDED ARE APPROXIMATE AND ARE FOR BID PURPOSES ONLY.	

PROJECT NO. U-2524D
 GUILFORD COUNTY
 STATION: 452+79.17 -L-

SHEET 4 OF 9



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 SOUND BARRIER WALL #6

ASSEMBLED BY : M. SHAHIDI	DATE : 4/19/16
CHECKED BY : T. H. FANG	DATE : 4/20/16
DRAWN BY : MAA 6/11	ADDED 10/11/11
CHECKED BY : GM 6/11	REV. 1/15/14 RWW/TMG
	REV. 9/26/14 MAA/TMG

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO. SW-4 TOTAL SHEETS 9
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			

STD. NO. SBW1