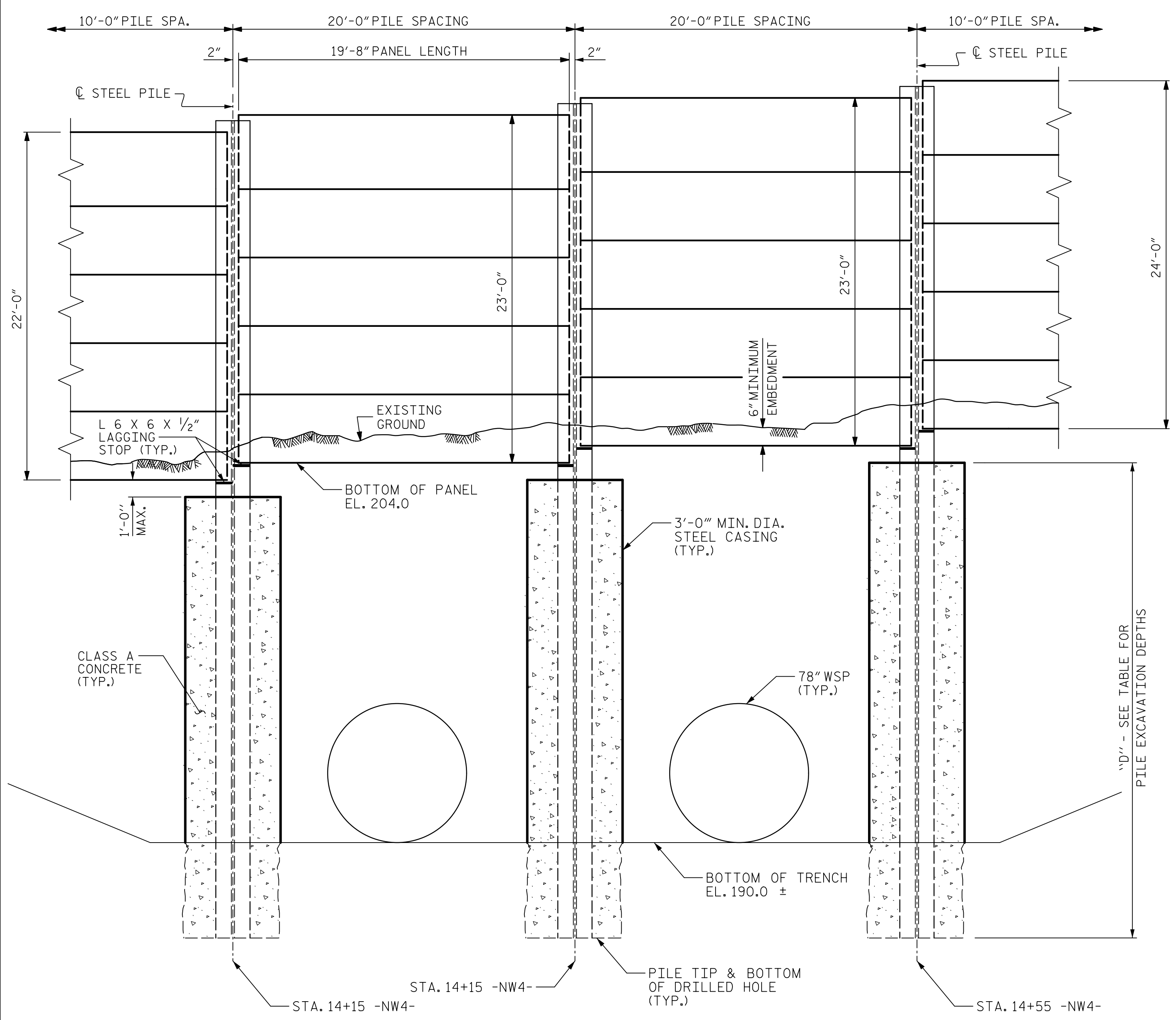


DATE: 1/11/2023
TIME: 11:54:37 AM

USER: catter, pw\acater-na-pw.bentley.com\AECOM_DS21_NA_2020\Documents\60609754-U-5748 Ligon Mill900-CAD GIS\910-CAD\70_NCDOT_TIP\Structures\14 Walls\02 Drawings\U-5748-SMU-SBW-3

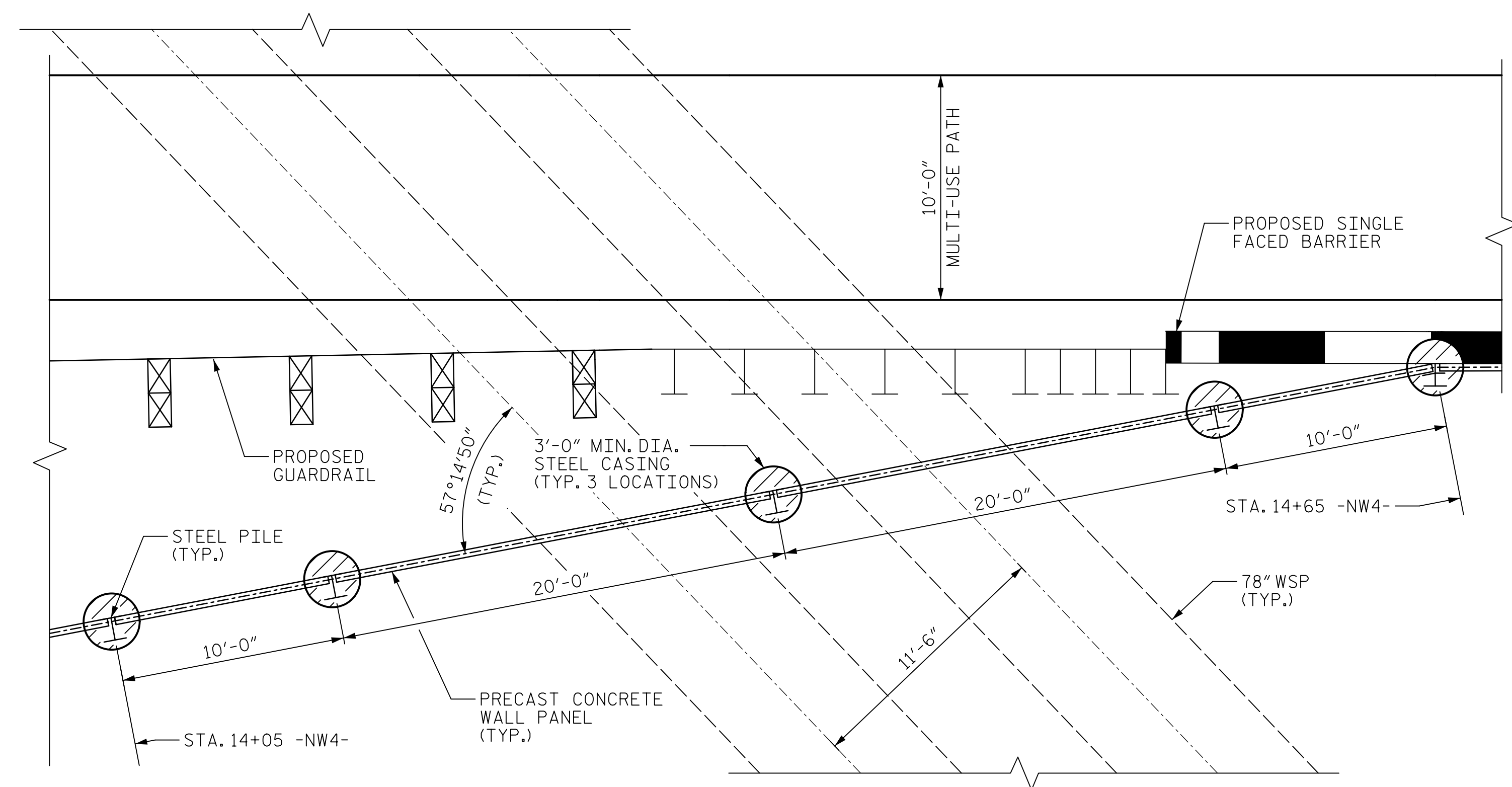


ELEVATION
LOOKING ALONG Ø 78" WELDED STEEL PIPES

DRAWN BY : M. CATER	DATE : 02/22
CHECKED BY : J.C. MORRISON	DATE : 02/22
DESIGNED BY : M. CATER	DATE : 02/22
DESIGN CHECKED BY : MORRISON	DATE : 02/22

PILE EXCAVATION		
WALL # NW4	FROM : STA. 14+05	TO : STA. 14+65
PILE SPACING	HOLE Ø	DEPTH "D"
10'-0"	3'-0"	13'-0"
20'-0"	3'-0"	18'-0"

NOTES:
FOR PIPE INVERT ELEVATIONS, SEE DRAINAGE PLANS.
FOR ADDITIONAL NOTES, SEE SHEETS SW-1 & SW-2.
FOR STEEL CASING, SEE SOUND BARRIER WALL SPECIAL PROVISIONS.



PLAN

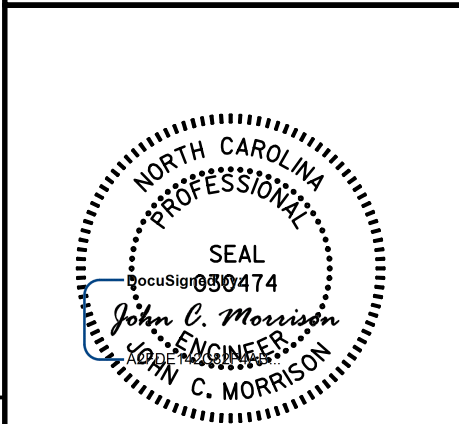
CLASS A CONCRETE

CONSTRUCTION SEQUENCE

- OPEN EXCAVATE TO BOTTOM OF TRENCH REQUIRED FOR INSTALLATION OF PIPE CULVERTS.
- DRILL (3) 3'-0" DIAMETER HOLES FOR PILE EXCAVATION IN TRENCH TO REQUIRED PILE TIP & BOTTOM OF DRILLED HOLE ELEVATION. INSTALL STEEL PILES IN EACH HOLE.
- INSTALL CMP ENCASUREMENTS FROM BOTTOM OF TRENCH TO 1'-0" BELOW BOTTOM OF PROPOSED WALL PANEL.
- INSTALL 78" WELDED STEEL PIPES. BACKFILL TRENCH TO FINISHED GRADE WHILE MAINTAINING THE CMP ENCASUREMENT CENTERED ON THE PILES.
- EXCAVATE 3'-0" DIAMETER HOLES FOR REMAINING PILES.
- INSTALL REMAINING STEEL PILES AND BACKFILL EXCAVATION WITH CLASS A CONCRETE.
- INSTALL PRECAST CONCRETE WALL PANELS.

PROJECT NO. U-5748
WAKE COUNTY
STATION: 24+88.00 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
SOUND BARRIER WALL
CONSTRUCTION DETAILS
AT PIPE CULVERT
CROSSING

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1/16/2023