

NOTES

THE DRILLED PIERS AT END BENT NO. 1 AND END BENT No. 2 HAVE BEEN DESIGNED FOR TIP BEARING ONLY. THE REQUIRED TIP BEARING CAPACITY IS 30 TSF.

THE REQUIRED TIP BEARING CAPACITY AT END BENT NO. 1 AND END BENT No. 2 SHALL BE VERIFIED.

DRILLED PIERS FOR END BENT NO. 1 AND END BENT No. 2 HAVE BEEN DESIGNED FOR AN APPLIED LOAD OF 90 TONS EACH AT THE TOP OF THE COLUMN.

PERMANENT STEEL CASING MAY BE REQUIRED FOR DRILLED PIERS AT END BENT NO. 1, IF REQUIRED, THE CASING SHALL NOT EXTEND BELOW ELEVATION 2075 FT. WITHOUT THE ENGINEER'S PERMISSION. THE NEED FOR PERMANENT STEEL CASING WILL BE DETERMINED BY THE ENGINEER.

FOR PERMANENT STEEL CASING, SEE SPECIAL PROVISION FOR DRILLED PIERS.

DRILLED PIERS AT END BENT NO. 1 SHALL EXTEND TO AN ELEVATION NO HIGHER THAN 2067.5 FT. AND SATISFY THE REQUIRED TIP BEARING CAPACITY.

DRILLED PIERS AT END BENT NO. 2 SHALL EXTEND TO AN ELEVATION NO HIGHER THAN 2063.5 FT. AND SATISFY THE REQUIRED TIP BEARING CAPACITY.

EACH DRILLED PIER SHALL BE 36 - INCH IN DIAMETER, OVERSIZING CASINGS WILL NOT BE ALLOWED

FOR DRILLED PIERS, SEE SPECIAL PROVISIONS.

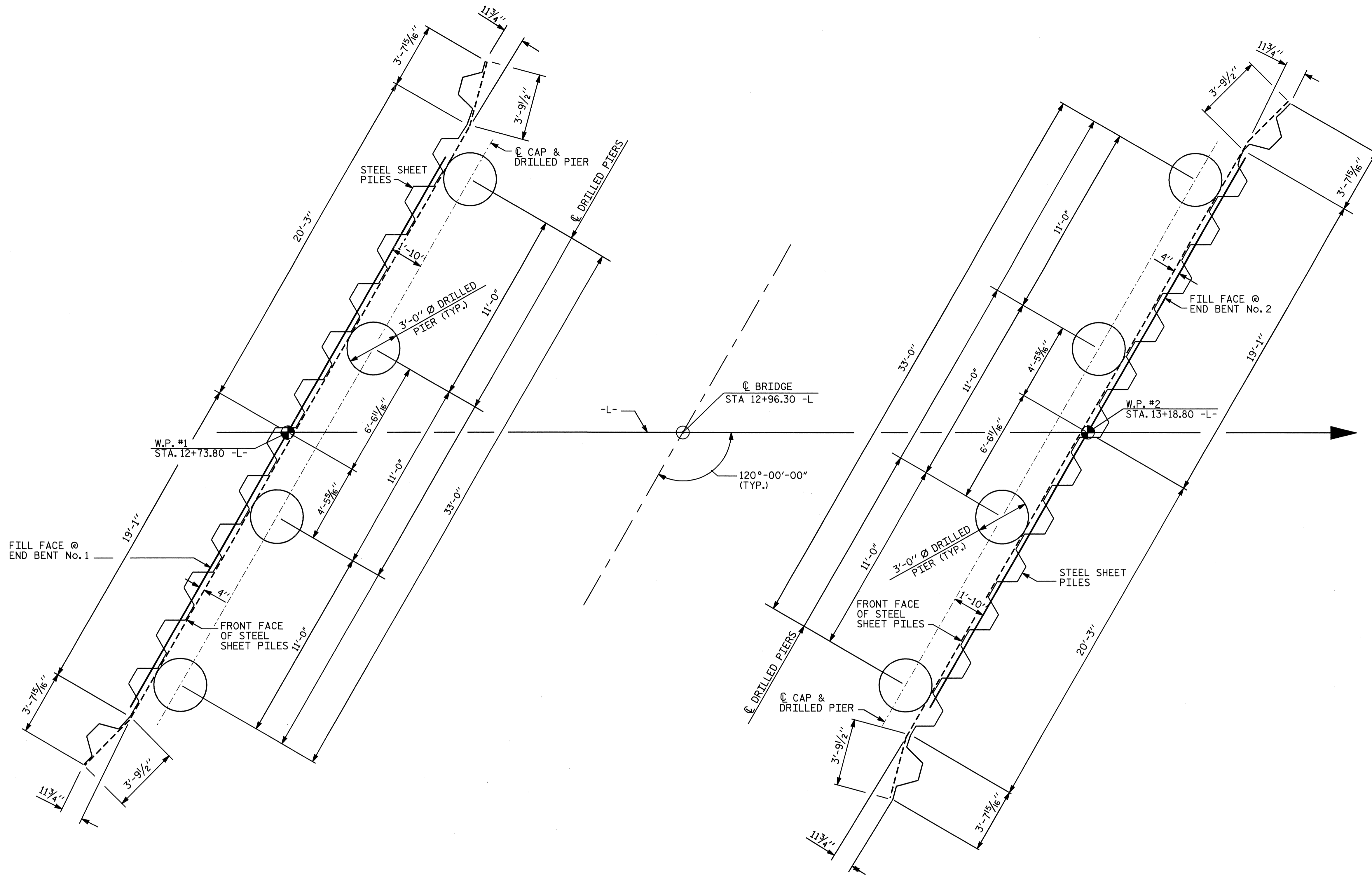
SID INSPECTIONS MAYBE REQUIRED TO INSPECT THE BOTTOM CLEANLINESS OF THE DRILLED PIERS AT END BENT NO. 1 AND END BENT No. 2 THE ENGINEER WILL DETERMINE THE NEED FOR SID INSECTIONS. SEE DRILLED PIERS SPECIAL PROVISION.

CSL TUBES ARE REQUIRED AND CSL TESTING MAY BE REQUIRED FOR THE DRILLED PIERS AT END BENT NO. 1 AND END BENT No. 2. SEE SPECIAL PROVISION FOR CROSSHOLE SONIC LOGGING.

SPT TESTING IS NOT REQUIRED TO DETERMINE THE TIP BEARING CAPACITY OF THE DRILLED PIERS AT END BENT NO. 1 AND END BENT No. 2.

STEEL SHEET PILES SHALL BE AASHTO M270 GRADE 50 AND GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, STEEL SHEET PILES SHALL HAVE A MINIMUM SECTION MODULUS OF 30.2 CUBIC INCHES PER LIN. FT. OF WALL AND SHALL HAVE A NOMINAL DEPTH OF 1'-0".

DRIVE STEEL SHEET PILES BEHIND THE DRILLED PIERS FROM THE GROUND SURFACE DOWN TO REFUSAL ON ROCK OR TO AN ESTIMATED TIP ELEVATION OF 2070. PLEASE NOTIFY THE ENGINEER IF THIS ELEVATION CANNOT BE OBTAINED.



END BENT No. 1

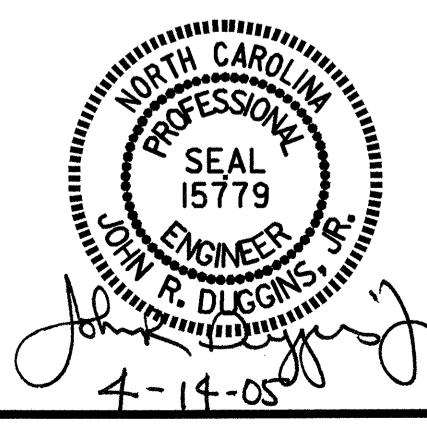
END BENT No. 2

FOUNDATION LAYOUT

DIMENSIONS LOCATING DRILLED PIERS ARE SHOWN TO THE DRILLED PIER CENTERLINE

PROJECT NO. B-3663
 HENDERSON COUNTY
 STATION: 12+96.30 -L-

SHEET 2 OF 3
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE ON SR 1212
 (OLD HOMESTEAD RD.)
 OVER SHAW'S CREEK BETWEEN
 SR 1213 AND US 64



DRAWN BY : M. POOLE DATE : 02/05
 CHECKED BY : J. R. DUGGINS DATE : 02/05

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-2
1			3			TOTAL SHEETS
2			4			22