PLAN

16-#6 V1 BARS @ 4 5/16" CTS.
ON A 11" RADIUS

℄ PILE

℄ CAP

#4 S1 BAR

30" Ø

ELEVATION
PP 30 X 0.50 GALVANIZED STEEL PILE
(OPEN OR CLOSED END)

℄ PILE

#6 V1 BAR

10"

3"

3" TO S1 BAR

25'-0"(MIN.)

6-#4 S1 BARS @ 1'-0" CTS.

#4 S1 BAR

CLASS A CONCRETE PLUG

3"

PP 30 X 0.50 GALVANIZED STEEL PILE

BOTTOM OF CONCRETE PLUG

SEE PIPE PILE PLATE DETAIL (IF APPLICABLE)

PIPE PILE PLATE DETAIL
(IF APPLICABLE)

30" Ø X 3/4" ℄

PIPE PILE SPLICE DETAIL

℄ PILE SPLICE

PP 30 X 0.50 GALVANIZED STEEL PILE

NOTES

PIPE PILES SHALL BE IN ACCORDANCE WITH SECTION 1084 OF THE STANDARD SPECIFICATIONS.

GALVANIZE STEEL PIPE PILES IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS UNLESS METALLIZING IS REQUIRED. GALVANIZING OR METALLIZING PIPE PILE PLATES IS NOT REQUIRED.

PIPE PILE PLATES, IF REQUIRED, SHALL BE IN ACCORDANCE WITH SECTION 450 OF THE STANDARD SPECIFICATIONS.

REMOVE AND REPLACE OR REPAIR TO THE SATISFACTION OF THE ENGINEER PILES THAT ARE DAMAGED, DEFORMED OR COLLAPSED DURING INSTALLATION OR DRIVING.

PILE SPLICES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AWS D1.1.

FOR CLOSED END PIPE PILES, REMOVE ALL SOIL AND WATER FROM INSIDE THE PILES JUST PRIOR TO PLACING REINFORCING STEEL AND CONCRETE FOR THE CONCRETE PLUG.

FOR OPEN END PIPE PILES, REMOVE ENOUGH SOIL AND WATER FROM INSIDE THE PILES TO CONSTRUCT THE CONCRETE PLUG WITHOUT FOULING THE CONCRETE.

FORM THE CONCRETE PLUG SUCH THAT THE REINFORCING STEEL OR CONCRETE DOES NOT MOVE AND THE CLEARANCE FROM THE REINFORCING STEEL TO THE INSIDE OF THE PILE IS MAINTAINED AFTER CONCRETE PLACEMENT. DO NOT PLACE CONCRETE IN THE BENT CAP UNTIL THE CONCRETE PLUG HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI.

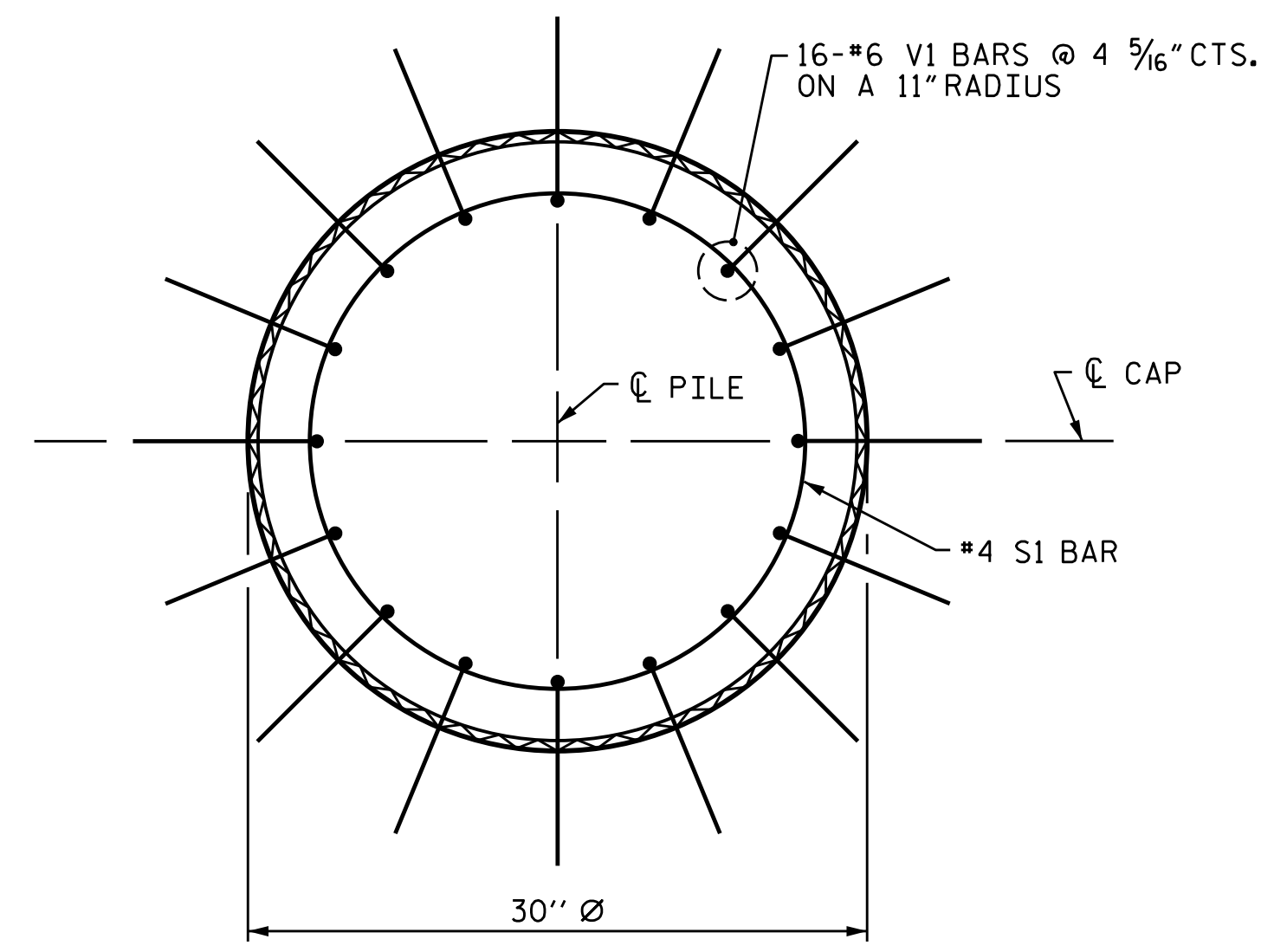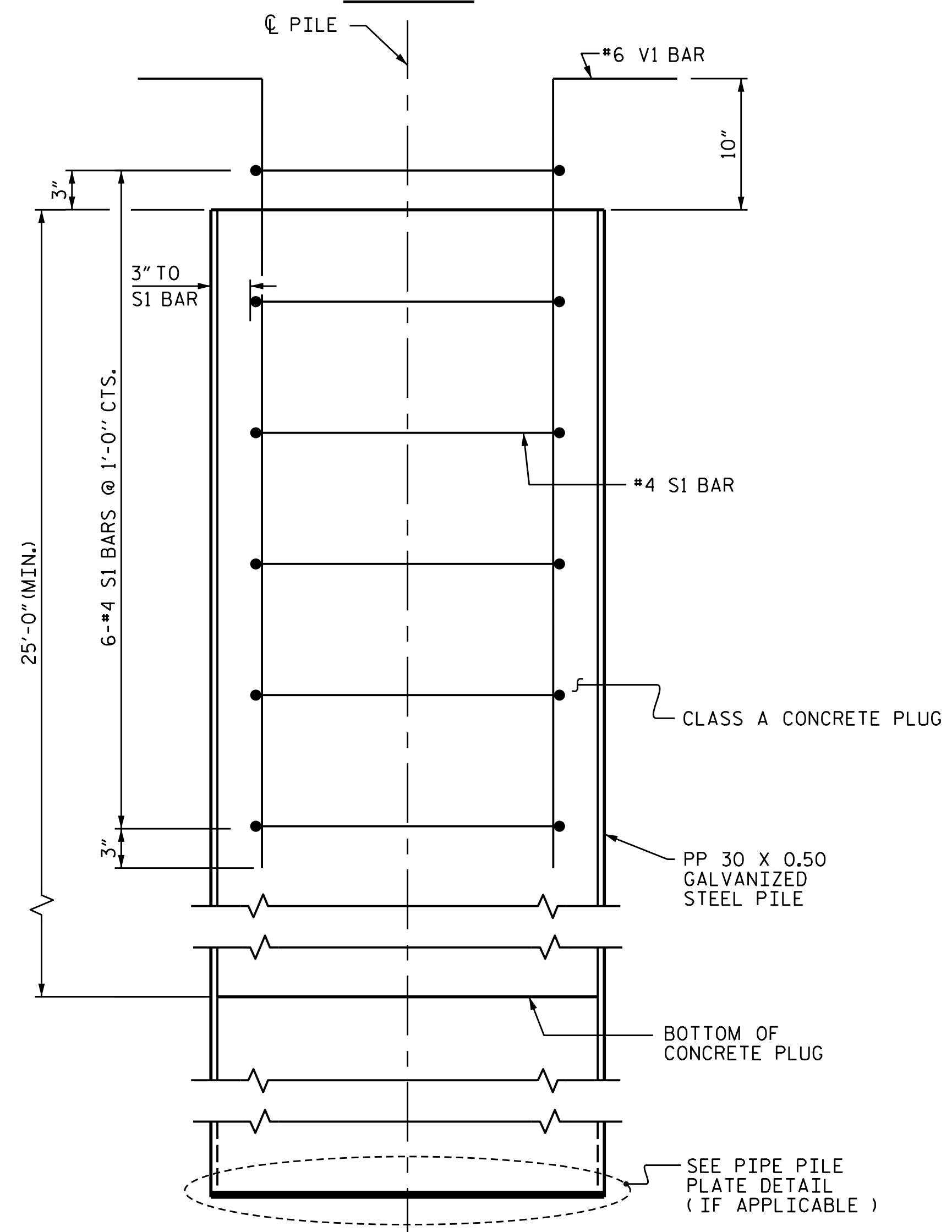THE REINFORCING STEEL, CLASS A CONCRETE, AND GALVANIZING ARE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE BID PER LINEAR FOOT FOR PP 30 X 0.50 GALVANIZED STEEL PILES.
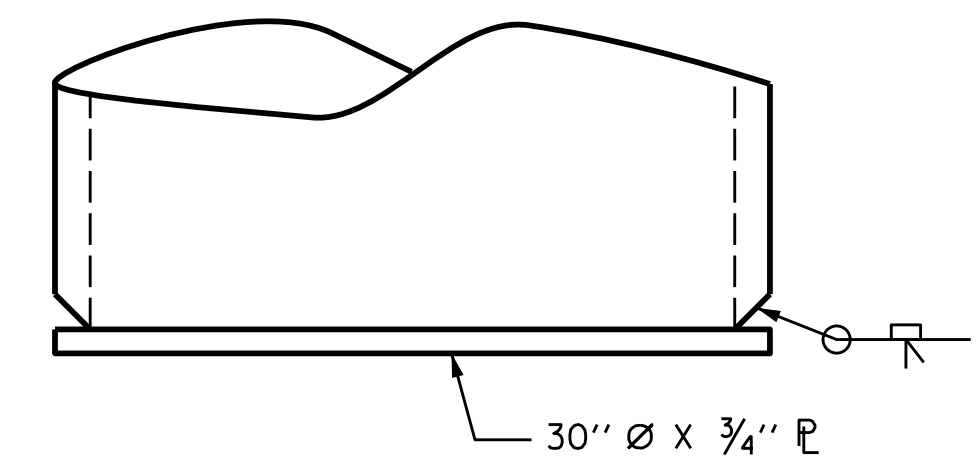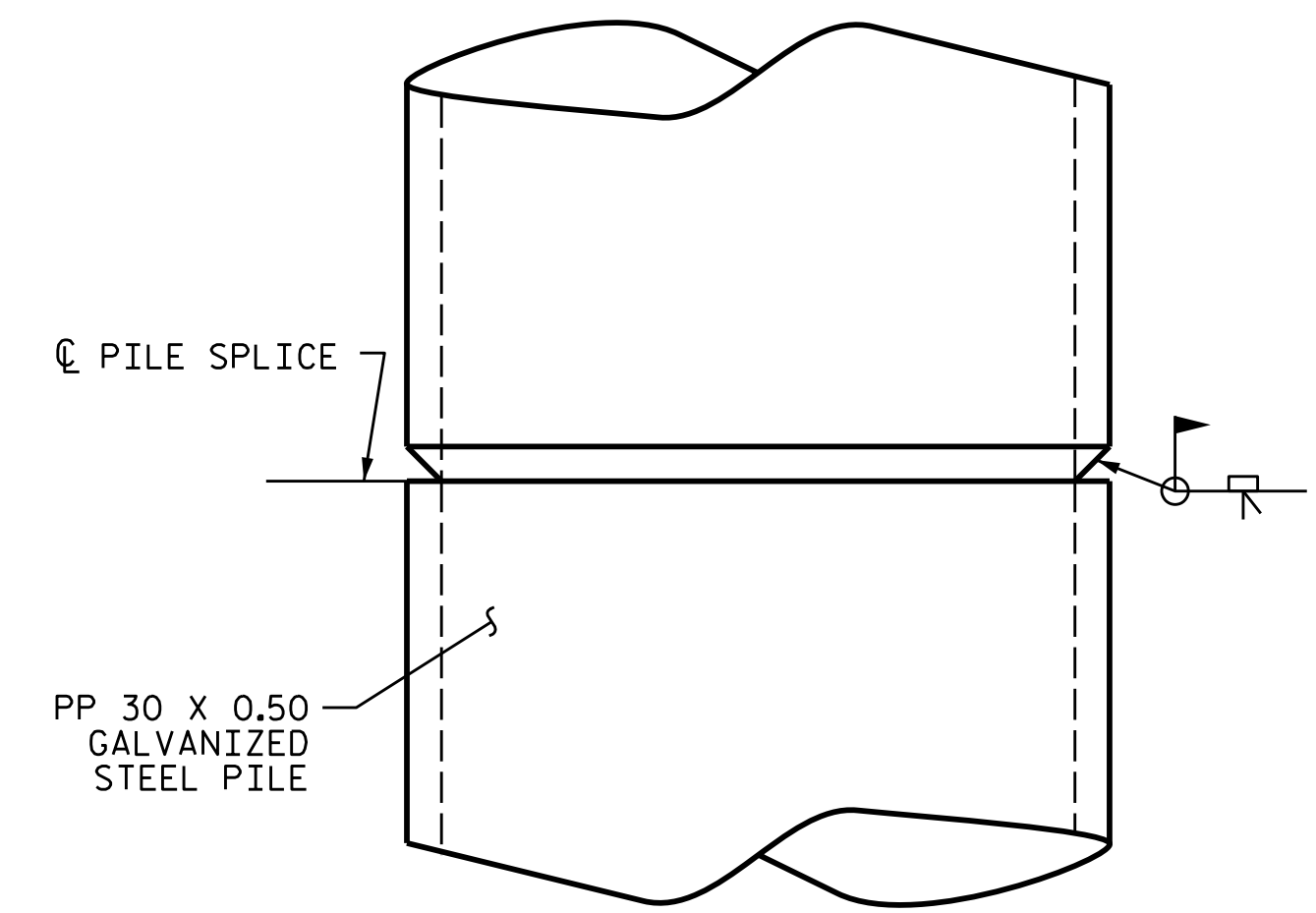
BILL OF MATERIAL FOR ONE PP 30 X 0.50 GALVANIZED STEEL PILE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
S1	6	#4	1	7'-7"	30
V1	16	#6	2	6'-10"	164
REINFORCING STEEL =					194 lbs

CLASS A CONCRETE

25'-0" MINIMUM PLUG	3.9 CY

BAR TYPES

1'-3" LAP

2'-0"

① ②

1'-0"

5'-10"

ALL BAR DIMENSIONS ARE OUT TO OUT.

PROJECT NO. B-5666

WILSON COUNTY

STATION: 17+37.36 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

30" STEEL PIPE PILE

DESIGN ENGINEER OF RECORD	DATE : 2/16/2021

DocuSigned by:
DB3C8E45B06D499

ASSEMBLED BY : R. C. LARSON	DATE : 01/15/20
CHECKED BY : R. J. FLORY	DATE : 02/12/20

DRAWN BY : TLA 8/05	REV. 5/1/06R	MAA/KMM
CHECKED BY : GM 9/05	REV. 10/1/11	MAA/GM
	REV. 12/17	MAA/THC
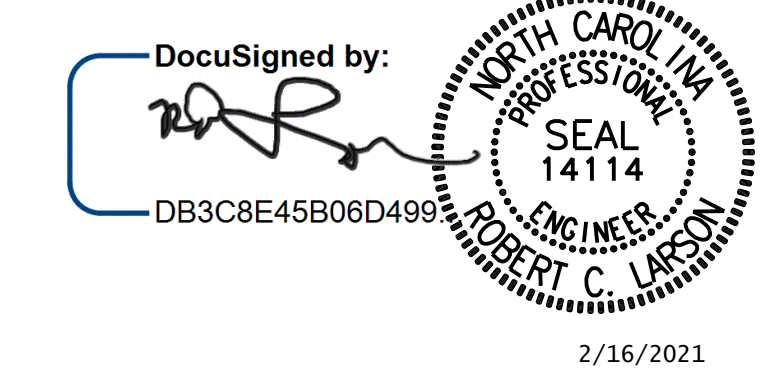
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-26

TOTAL SHEETS 30

STD. NO. SPP5