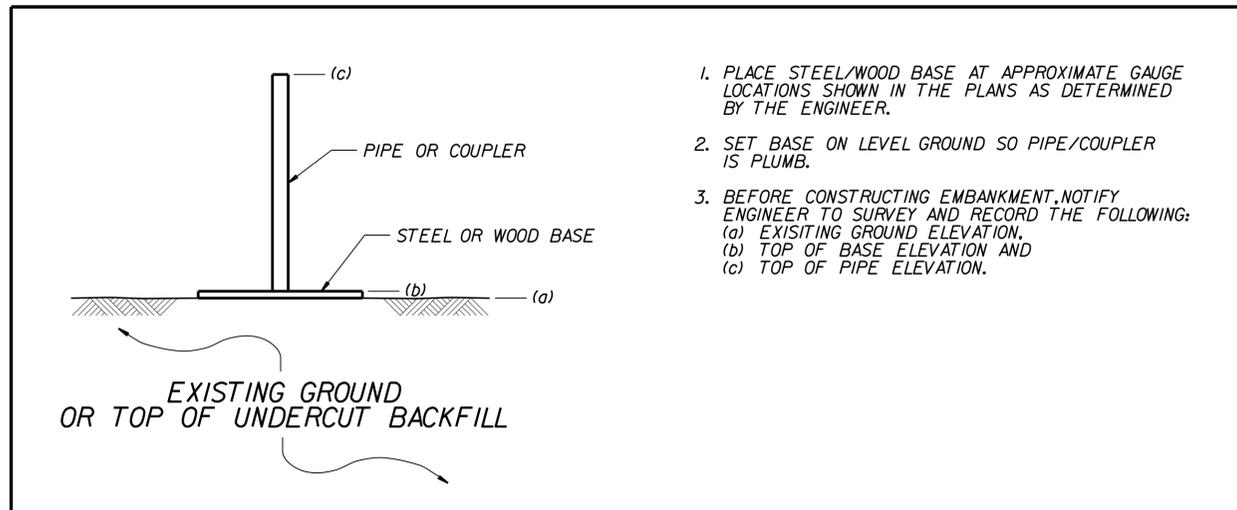
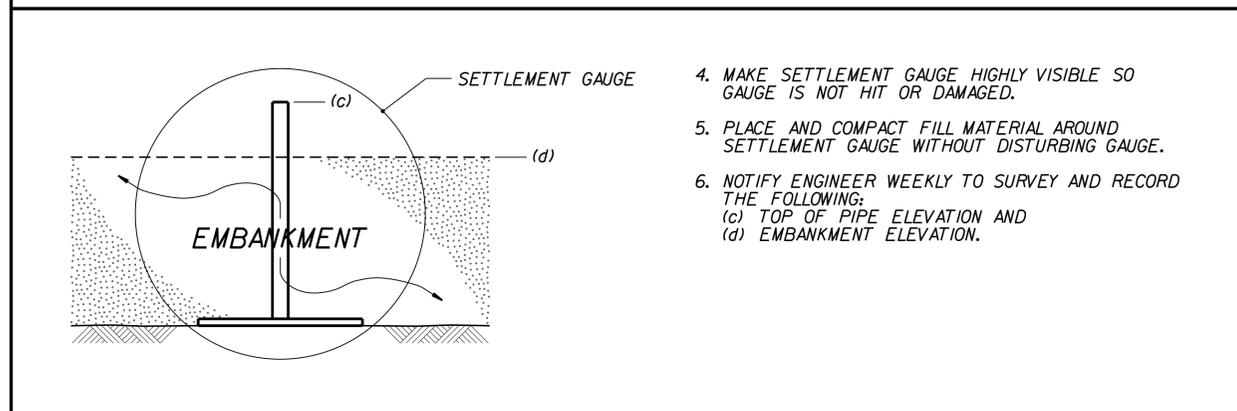


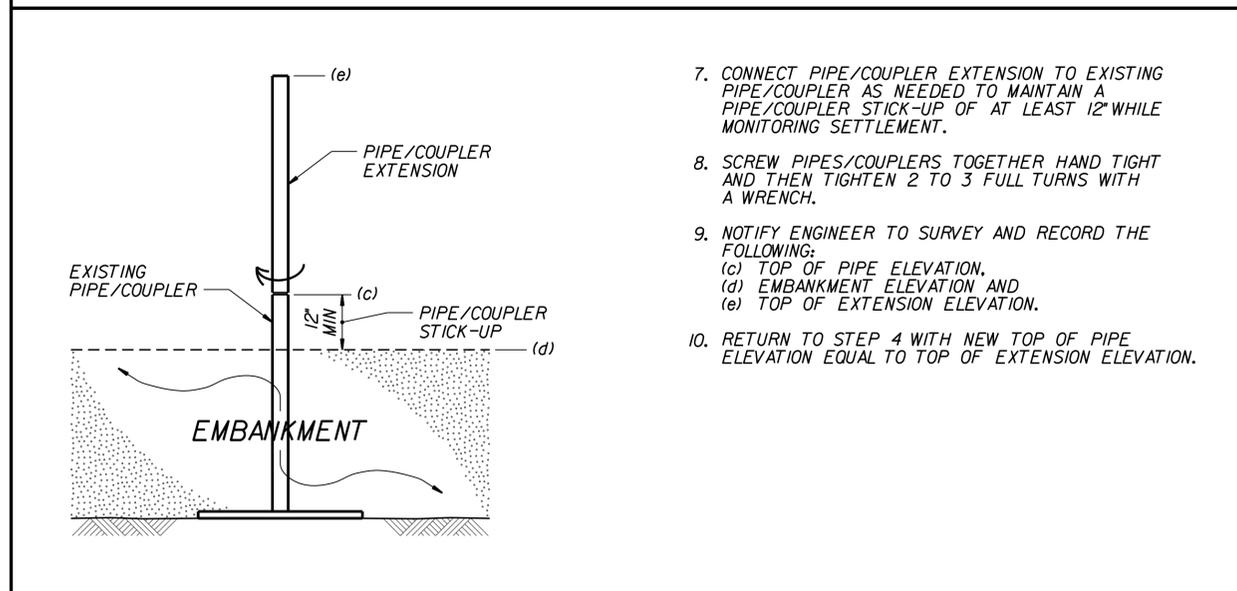
EMBANKMENT MONITORING SEQUENCE



1. PLACE STEEL/WOOD BASE AT APPROXIMATE GAUGE LOCATIONS SHOWN IN THE PLANS AS DETERMINED BY THE ENGINEER.
2. SET BASE ON LEVEL GROUND SO PIPE/COUPLER IS PLUMB.
3. BEFORE CONSTRUCTING EMBANKMENT, NOTIFY ENGINEER TO SURVEY AND RECORD THE FOLLOWING:
 - (a) EXISTING GROUND ELEVATION.
 - (b) TOP OF BASE ELEVATION AND
 - (c) TOP OF PIPE ELEVATION.



4. MAKE SETTLEMENT GAUGE HIGHLY VISIBLE SO GAUGE IS NOT HIT OR DAMAGED.
5. PLACE AND COMPACT FILL MATERIAL AROUND SETTLEMENT GAUGE WITHOUT DISTURBING GAUGE.
6. NOTIFY ENGINEER WEEKLY TO SURVEY AND RECORD THE FOLLOWING:
 - (c) TOP OF PIPE ELEVATION AND
 - (d) EMBANKMENT ELEVATION.



7. CONNECT PIPE/COUPLER EXTENSION TO EXISTING PIPE/COUPLER AS NEEDED TO MAINTAIN A PIPE/COUPLER STICK-UP OF AT LEAST 12" WHILE MONITORING SETTLEMENT.
8. SCREW PIPES/COUPLERS TOGETHER HAND TIGHT AND THEN TIGHTEN 2 TO 3 FULL TURNS WITH A WRENCH.
9. NOTIFY ENGINEER TO SURVEY AND RECORD THE FOLLOWING:
 - (c) TOP OF PIPE ELEVATION.
 - (d) EMBANKMENT ELEVATION AND
 - (e) TOP OF EXTENSION ELEVATION.
10. RETURN TO STEP 4 WITH NEW TOP OF PIPE ELEVATION EQUAL TO TOP OF EXTENSION ELEVATION.

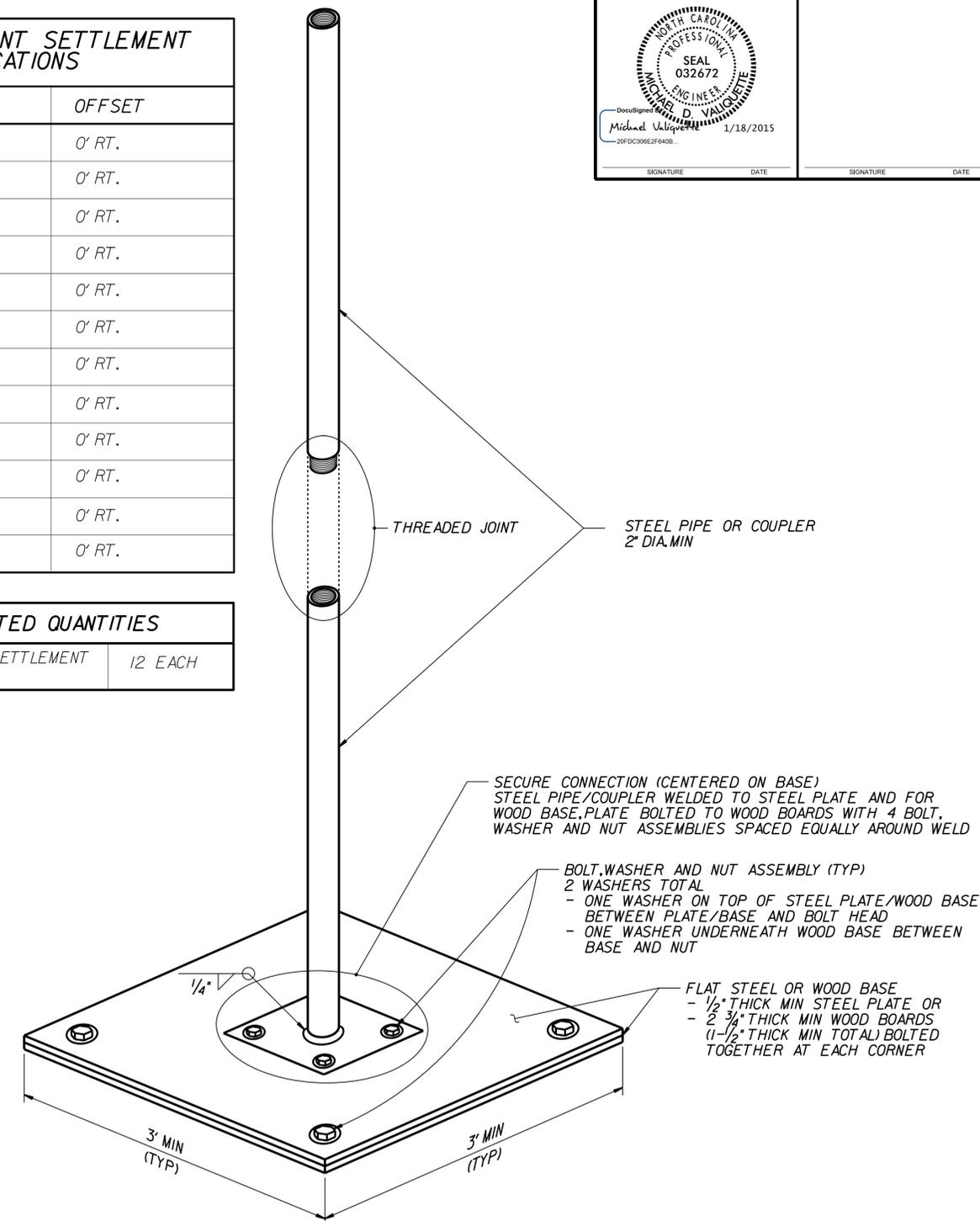
NOTES:

1. FOR EMBANKMENT SETTLEMENT GAUGES, SEE SURCHARGE SPECIAL PROVISION.
2. FOR EMBANKMENT SETTLEMENT GAUGES LOCATED IN ROCK FILLS, INSTALL SETTLEMENT GAUGES AFTER PERFORMING AND BACKFILLING REQUIRED UNDERCUT BUT BEFORE CONSTRUCTING EMBANKMENTS.
3. FOR ALL OTHER EMBANKMENT SETTLEMENT GAUGES, INSTALL GAUGES AFTER CLEARING AND GRUBBING BUT BEFORE CONSTRUCTING EMBANKMENTS.

PREPARED BY: M. VALIQUETTE DATE: 1-2015
 REVIEWED BY: C. KREIDER DATE: 1-2015

EMBANKMENT SETTLEMENT GAUGE LOCATIONS	
STATION	OFFSET
19+00 -L-	0' RT.
20+00 -L-	0' RT.
21+00 -L-	0' RT.
23+00 -L-	0' RT.
24+00 -L-	0' RT.
25+00 -L-	0' RT.
36+00 -L-	0' RT.
37+00 -L-	0' RT.
38+00 -L-	0' RT.
39+75 -L-	0' RT.
40+75 -L-	0' RT.
41+75 -L-	0' RT.

ESTIMATED QUANTITIES	
EMBANKMENT SETTLEMENT GAUGES	12 EACH



PROJECT REFERENCE NO. P-4900A	SHEET NO. 2G
GEOTECHNICAL ENGINEER Michael D. Valiquette 1/18/2015 SIGNATURE DATE	ENGINEER SIGNATURE DATE

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS GEOTECHNICAL ENGINEERING UNIT	EMBANKMENT SETTLEMENT MONITORING																	
	REVISIONS																	
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