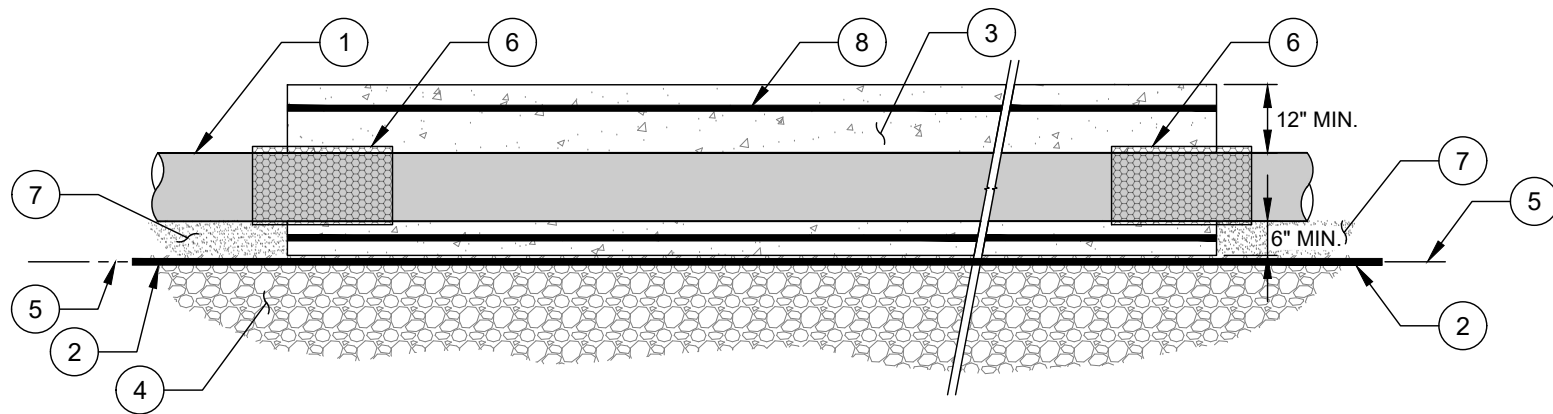
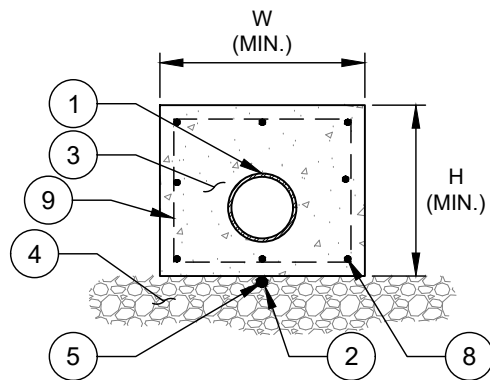


PLAN VIEW



ELEVATION VIEW



SECTION VIEW

NOTES TO DESIGNER

- A. CONCRETE AND REINFORCEMENT IS MINIMUM REQUIRED. SEALING ENGINEER SHALL DESIGN REINFORCEMENT APPROPRIATE TO SPECIFIC CONDITIONS AND LOADS.

PIPE DIAMETER (INCHES)	MIN. W (INCHES)	MIN. H (INCHES)	CONCRETE VOLUME PER LF	
			FT ³ / LF	CY / LF
4	31	25	5.29	0.20
6	33	27	5.99	0.22
8	36	30	7.15	0.26
10	38	32	7.90	0.29
12	40	34	8.66	0.32
14	42	36	9.43	0.35
16	44	38	10.21	0.38
18	46	40	11.01	0.41
20	48	42	11.82	0.44
22	50	44	12.64	0.47
24	52	46	13.47	0.50
26	54	48	14.31	0.53
28	56	50	15.17	0.56
30	58	52	16.04	0.59
32	60	54	16.91	0.63

NO. DESCRIPTION:

1. HDPE PIPE.
2. CONDUIT - 1 INCH STEEL ELECTRICAL CONDUIT TO CONTAIN TRACER WIRE.
3. CONCRETE ENCASMENT ($f'_c = 3,600$ PSI MIN.).
4. STONE STABILIZATION MATERIAL AS REQUIRED.
5. TRACER WIRE - CONTINUOUS AWG #12 GAUGE SOLID COPPER TRACER WIRE WITH 30 MILS THICK, BLUE HDPE INSULATION AT THE BOTTOM OF THE UTILITY SAND EMBEDMENT LAYER.
6. NEOPRENE FOAM PROTECTIVE WRAPPING, 1/4 TO 3/4-INCH THICKNESS.
7. HDPE EMBEDMENT MATERIAL - FINE AGGREGATE ACCORDING TO ASTM C33 TABLE 1.
8. #5 REBAR LONG (TYP.).
9. #4 REBAR TIES (MAXIMUM SPACING OF 12") - MINIMUM 1.5" CLEARANCE TO PIPE, MINIMUM 3" COVER.

NOTES:

- A. CONCRETE ENCASMENT SHALL ONLY BE INSTALLED WHERE SHOWN ON APPROVED PLANS OR WITH PRIOR APPROVAL BY CLTW ENGINEER.
- B. THIS RESTRICTION IS IN PLACE DUE TO THE INABILITY TO EASILY MAINTAIN/REPAIR OR TAP A MAIN ENCASED IN CONCRETE.
- C. SEALING ENGINEER TO CONFIRM TEMPERATURE FROM CONCRETE CURING AT SITE WILL BE LESS THAN 260°F.