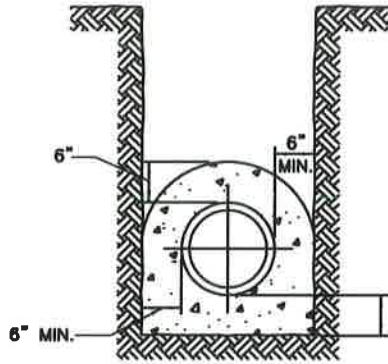


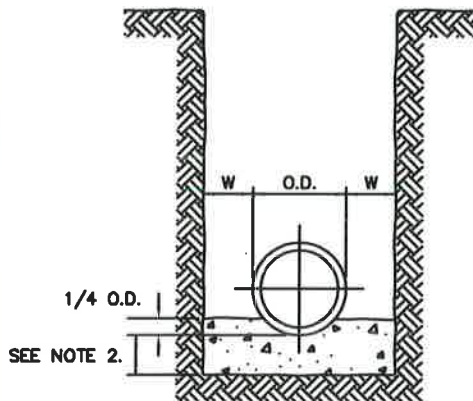


POUR CONCRETE AGAINST UNDISTURBED EARTH. REMOVE TRENCH SHEETING BEFORE POURING CONCRETE OR LEAVE LOWER PORTION OF SHEETING IN PLACE. ALL CONCRETE SHALL BE $f'_c = 2000 \text{ PSI} \odot 28 \text{ DAYS}$.

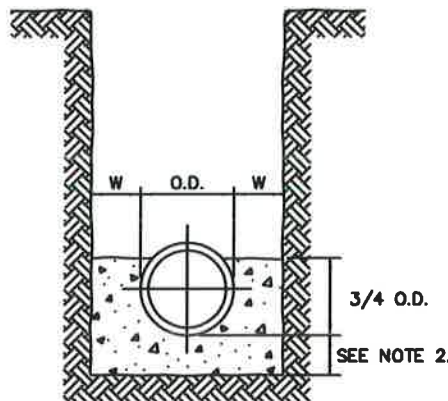
SEE NOTE 2.

ENCASEMENT DETAIL

NORMAL PIPE DIAMETER	Maximum Payment	
	Cu. Ft. Per Lin.Ft.	Conc. Encasement
4" & 6"	2.64	
8"	2.86	
10"	3.02	
12"	3.46	
15"	4.10	
16" & 18"	5.40	
20" & 21"	6.13	
24"	7.67	
27"	8.91	
30"	9.86	
33"	12.45	
36"	13.53	
42"	15.71	
48"	19.82	
54"	22.98	
60"	25.06	
66"	27.81	
72"	30.62	



DETAIL OF LOW CRADLE



DETAIL OF HIGH CRADLE

CRADLE DETAILS

POUR CONCRETE AGAINST UNDISTURBED EARTH. REMOVE TRENCH SHEETING BEFORE POURING CONCRETE OR LEAVE LOWER PORTION OF SHEETING IN PLACE. ALL CONCRETE SHALL BE $f'_c = 2000 \text{ PSI} \odot 28 \text{ DAYS}$.

NORMAL PIPE DIAMETER	Maximum Payment	
	High Cradle	Low Cradle
4" & 6"	1.62	0.98
8"	1.79	1.06
10"	1.91	1.17
12"	2.25	1.30
15"	2.73	1.56
16" & 18"	3.75	2.06
20" & 21"	4.35	2.38
24"	5.62	2.97
27"	6.72	3.73
30"	7.48	4.16
33"	9.69	5.18
36"	10.61	5.67
42"	12.53	6.72
48"	16.12	8.41
54"	18.39	9.67
60"	20.76	10.96
66"	23.22	12.34
72"	25.76	13.77

NOTES:

1. FOR TRENCH WIDTH "W", SEE DETAILS M/8.0, M/8.1a, M/8.1b AND M/8.1c.
2. FOR PIPE SIZES OF 24" DIAMETER & SMALLER, THE DIMENSION SHALL BE 3" MIN. FOR PIPE SIZES LARGER THAN 24" DIAMETER, THE DIMENSION SHALL BE 4" MIN.

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED:

8/12/16

Chief Engineer

STANDARD DETAIL

CONCRETE ENCASEMENT
AND CRADLE DETAILS
FOR SEWER MAINS

M
9.0