

CRITERIA

DEAD LOAD BASED ON MARSTON FORMULA WITH SATURATED CLAY. W=120 P.C.F., H=20 L.L.
+AASHTO IMPACT. GRANULAR CRADLE-BEDDING FACTOR=1.50. SAFETY FACTOR 1.0 @ 0.01"
CRACK.

R.C.P. PIPE DIA.	CLASS (ASTM C-76)	MAX. DEPTH OF COVER IN FT.
12"	III	5
12"	IV	8
12"	V	14
15"	III	6
15"	IV	9
15"	V	17
18"	III	6
18"	IV	11
18"	V	18
21"	III	7
21"	IV	12
21"	V	19
24"	III	7
24"	IV	11
24"	V	18
27"	III	7
27"	IV	11
27"	V	19
30"	III	7
30"	IV	12
30"	V	20
33"	III	7
33"	IV	11
33"	V	19

R.C.P. PIPE DIA.	CLASS (ASTM C-76)	MAX. DEPTH OF COVER IN FT.
36	III	8
36	IV	12
36	V	20
42	III	8
42	IV	13
42	V	21
48	III	8
48	IV	13
48	V	21
54	III	9
54	IV	13
54	V	22
60	III	9
60	IV	14
60	V	22
66	III	9
66	IV	14
66	V	23
72	III	10
72	IV	15
72	V	23

NOTES:

1. THIS DETAIL APPLIES TO PIPE PLACED IN A TRENCH CONDITION ONLY.
2. WIDTH OF TRENCH FROM 6" ABOVE TOP OF PIPE TO BOTTOM OF THE TRENCH SHOULD NOT EXCEED THE MAX. CLEAR TRENCH WIDTH SHOWN IN DETAIL M/8.0 PLUS 1 FT.
3. WHEN ADDITIONAL FILL IS ADDED OVER A TRENCH INSTALLATION, OR AN EXISTING PIPE, OR IF THE PIPE IS INSTALLED IN AN EMBANKMENT CONDITION, THIS DETAIL DOES NOT APPLY. SPECIAL ANALYSIS IS REQUIRED IN SUCH CASES.

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED: 7-7-21

Chief Engineer

STANDARD DETAIL
LOAD SCHEDULE
FOR R. C. PIPES

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8.0