

ALLOWABLE BURY DEPTH

CLASS IV RCP

CLASS III RCP

Pipe Diameter	Class R-1	Class R-2	Class R-3 & R-4 Bedding							
(In)	Bedding	Bedding	No Steel	As=0.4%	As=1.0%					
12	7'	10'	15'	19'	27' 27'					
15	8'	10'	16'	19'						
18	8'	1 1'	16'	20'	40' 40'					
21	8'	1 1'	18'	26'						
24	8'	12'	23'	36'	40'					
27	10'	15'	30'	40'	40' 40' 40' 40' 40' 40' 40'					
30	1 1'	15'	29'	40'						
33	1 1'	15'	28'	40'						
36	1 1'	15'	27'	40'						
42	1 1'	15'	26'	38'						
48	1 1'	15'	26'	36'						
54	1 1'	15'	25'	34'						
60	1 1'	15'	25'	33'	40'					
66	1 1'	15'	24'	32'	40'					
72	1 1'	15'	24'	32'	40'					

Plpe	Class	Class	Class R-3 & R-4 Bedding								
Plpe Dlameter (in)	R-1	R-2									
(01)	Bedding	Bedding	No Steel	As=0.4%	As=1.0%						
12	12'	15'	23'	28'	40'						
15	12'	16'	23'	30'	40'						
18	13'	16'	29'	40'	40'						
21	13'	18'	40'	40'	40'						
24	16'	23'	40'	40'	40'						
27	19'	30'	40'	40'	40'						
30	19'	29'	40'	40'	40'						
33	19'	28'	40'	40'	40'						
36	19'	28'	40'	40'	40'						
42	18'	27'	40'	40'	40'						
48	18'	26'	40'	40'	40'						
54	18'	25'	40'	40'	40'						
60	18'	25'	40'	40'	40'						
66	18'	25'	40'	40'	40'						
72	18'	24'	40'	40'	40'						
As = Area of S	teel Reinforcin	g									

CLASS V RCP

Pipe Diameter	Class R-1	Class R-2	Class R-3 & R-4 Bedding							
(in)	Bedding	Bedding	No Steel	As=0.4%	As=1.0% 40' 40' 40' 40' 40'					
12	18'	23'	35'	40'						
15	19'	24'	40'	40'						
18	19'	30'	40'	40'						
21	25'	40'	40'	40'						
24	34'	40'	40'	40'						
27	40'	40'	40'	40'						
30	40'	40'	40'	40'	40' 40' 40' 40'					
33	40'	40'	40'	40'						
36	40'	40'	40'	40'						
42	37'	40'	40'	40'						
48	35'	40'	40'	40'	40' 40' 40'					
54	33'	40'	40'	40'						
60	32'	40'	40'	40'						
66	31'	40'	40'	40'	40'					
72	31'	40'	40'	40'	40'					

EXTRA STRENGTH VCP

CONCRETE ARCH PIPE

HORIZONTAL ELLIPTICAL RCP

VERTICAL ELLIPTICAL RCP

Plpe Dia. (in)	Bedding Class				Pipe Size	Equiv. Dia			Pine Size	Equiv. Dla.	Pipe Class		Dino Sizo	Equiv.	Pipe Class							
(in)	R-1	R-2	R-3 & R-4		(inch by inch)	(in)	Plpe Class		Pipe Size (in x in)	x in) (In)	n)	HE-IV	Plpe Slze (in x in)	Dla. (In)	VE-III	VE-IV	VE-IV VE-V					
	N-1	11-2	No Steel	As=0.4%	As=1.0%			A-III	A-IV							v =-111	VE-IV	VE-V	VE-VI			
6	25'	30'	30'	30'	30'	18 x 1 1	15	6'	1 1'	14 x 23	18	12'	22'	23 x 14	18	10'	15'	22'	33'			
8	20'	26'	30'	30'	30'	22 x 13	18	6'	1 1'	19 x 30	24	15'	29'	30 x 19	24	10'	16'	34'	40'			
10	18'	23'	30'	30'	30'	26 x 15	21	6'	13'	22 x 34	27	15'	28'	34 x 22	27	11'	20'	40'	40'			
12	16'	20'	30'	30'	30'	29 x 18	24	7'	15'	24 x 38	30	15'	27'	38 x 24	30	12'	23'	40'	40'			
15	15'	19'	28'	30'	30'	36 x 22	30	8'	15'	27 x 42	33	15'	27'	42 x 27	33	15'	30'	40'	40'			
18	14'	18'	30'	30'	30'	44 x 27	36	8'	14'	29 x 45	36	15'	26'	45 x 29	36	15'	29'	40'	40'			
21	15'	22'	30'	30'	30'	51 x 31	42	8'	15'	32 x 49	39	15'	26'	49 x 32	39	15'	29'	40'	40'			
								-		34 x 54	42	15'	25'	54 x 34	42	15'	28'	40'	40'			REVISION 1 10-20-1
24	18'	28'	30'	30'	30'	58 x 36	48	8'	15'	38 x 60	48	15'	25'	60 x 38	48	15'	27'	40'	40'			
27	20'	30'	30'	30'	30'	65 x 40	54	8'	15'	43 x 68				68 x 43			27'					SW-102
30	19'	29'	30'	30'	30'	73 x 45	60	8'	14'		54	15'	24'		54	15'		40'	40'	FIGURE 3010.102	STANDARD ROAD PLAN	SHEET 2 of 2
33	20'	30'	30'	30'	30'	88 x 54	72	9'	14'	48 x 76	60	15'	24'	76 x 48	60	15'	26'	40'	40'	REVISIONS: Added horizo	ntal elliptical and vertical elliptical p	
36	20'	30'	30'	30'	30'	Based on Class R-5 bedding			53 x 83	66	15'	24'	83 x 53	66	15'	25'	40'	40'		•		
39	19'	29'	30'	30'	30'					58 x 91	72	15'	24'	91 x 58	72	15'	25'	40'	40'	Rue D. Wigard Brian Smith		
42	18'	26'	30'	30'	30'					63 x 98	78	15'	23'	98 x 63	78	15'	25'	40'	40'		0	
	ea of Stee									68 x 106	84	15'	23'	106 x 68	84	15'	24'	40'	40'	R	IGID GRAVITY PI	ΡE
A8 - A10			ang							Based on Clas	Based on Class R-5 bedding Based on Class R-5 bedding					1		· ·	TRENCH BEDDING	G		