

FILL HEIGHT TABLE FOR CORRUGATED CIRCULAR PIPE

[illegible]

PIPE	STEEL															
	HELICAL															
	1½"x¼"			2⅔"x½"						3"x1" and 5"x1"						
DIAMETER (In.)	MINIMUM COVER (Ft.)	LOCK SEAM	MINIMUM COVER (Ft.)	WELDED OR LOCK SEAM					MINIMUM COVER (Ft.)	MINIMUM COVER (Ft.)	WELDED OR LOCK SEAM					MINIMUM COVER (Ft.)
		SPECIFIED THICKNESS (In.)		SPECIFIED THICKNESS (In.)							SPECIFIED THICKNESS (In.)	MINIMUM COVER (Ft.)				
				.064	.064	.079	.109	.138					.168			
														MAXIMUM COVER (Ft.)		
6	1.0	100														
8	1.0	100														
10	1.0	100														
12			1.0	100	100	100										
15			1.0	100	100	100										
18			1.0	100	100	100										
21			1.0	100	100	100										
24			1.0	100	100	100										
30			1.0	83	100	100										
36			1.0	69	86	100	100	100	1.0	1.0	79	99	100		1.0	
42			1.5	59	74	100	100	100	1.0	1.0	68	85	100		1.0	
48			1.5	52	65	91	100	100	1.0	1.5	59	74	100	100	1.0	
54			1.5		57	80	100	100	1.0	1.5	53	66	93	100	1.0	
60						72	93	100	1.0	1.5	47	59	83	100	1.0	
66							85	100	1.0	1.5	43	54	76	98	1.0	
72							78	95	1.0	1.5	39	49	69	89	100	
78								84	1.0	1.5	36	45	64	82	100	
84								73	1.0	1.5	34	42	59	77	94	
90										1.5	31	39	55	71	88	
96										1.5		37	52	67	82	
102										1.5		35	49	63	77	
108										1.5			46	59	73	
114										1.5			44	56	69	
120										1.5			41	53	66	
126										2.0				51	62	
132										2.0				49	60	
138										2.0				46	57	
144										2.0					55	

5"x1",
these values
shown can
be increased,
(See general
note 9)

GENERAL NOTES FOR ALL TABLES ON THIS SHEET:

1. Maximum height of cover is greatest vertical distance from top of pipe to finish grade.
2. Minimum height of cover is least vertical distance from top of pipe to subgrade.
3. For ODOT, pipes with diameters greater than 72" must be reviewed by the Geo-Environmental Section.
4. For ODOT, pipes with maximum cover greater than those shown in the Tables shall be approved by the Senior Standards Engineer.
5. For multiple pipe installations, see Std. Dwg. RD300.
6. Heavy solid line denotes boundary between minimum cover requirements.
7. Open ends of pipes normally require a site specific design, and may require special treatment (Sloped ends, culvert embankment protection, paved end slopes, safety end sections, or other measures). See special details or Standard Drawings as called for on plans.
8. For minimum thickness, see AASHTO M197, M218, and M274.
9. 5"x1" corrugation can be used as an alternate for 3"x1" corrugation. Maximum fill height for 3"x1" can be increased by up to 12% over values shown for pipe size 54" and larger.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with
the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

FILL HEIGHT TABLES FOR

ALUMINUM AND STEEL

CORRUGATED PIPE

2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO. _ _ _ _ N/A _ _ _ _	SDR DATE _ 08-JUL-2013 _	RD380
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