

	CORRUGATED POLYPROPYLENE AND HIGH DENSITY POLYETHYLENE PIPES								IPES	
	STANDARD BEDDING MATERIAL QUANTITIES									
	DIDE	H	SINGLE PIPE		DOUBLE PIPE		TRIPLE PIPE		CLEAR	SPACE
	DIAM. (D)	BED. MAT.	W WIDTH	STANDARD BEDDING MATERIAL	W WIDTH	STANDARD BEDDING MATERIAL	W WIDTH	STANDARD BEDDING MATERIAL	BETWEEN PIPES	PIPE AND TRENCH WALL
	IN.	FT.	FT.	CY/LF	FT.	CY/LF	FT.	CY/LF	FEET	FEET
ROUND PIPE	12	2.33	2.50	0.19	5.00	0.37	7.00	0.52	1.00	1.00
	15	2.58	2.88	0.23	5.50	0.44	7.75	0.61	1.00	1.00
	18	2.83	3.25	0.28	6.00	0.50	8.50	0.70	1.00	1.00
	24	3.33	4.00	0.38	7.00	0.63	10.00	0.89	1.00	1.00
	30	3.83	4.75	0.49	8.25	0.81	12.00	1.16	1.25	1.00
	36	4.33	5.50	0.62	9.50	1.00	14.00	1.46	1.50	1.00
	42	4.83	6.25	0.76	10.75	1.21	16.00	1.80	1.75	1.00
	48	5.33	7.00	0.92	12.00	1.44	18.00	2.16	2.00	1.00
	60	6.33	8.50	1.27	15.00	2.06	22.50	3.10	2.50	1.25

CFR 1926.

■ HEIGHT OF STD BEDDING MATERIAL INCLUDES THE BEDDING UNDER PIPE, THE NOMINAL DIAMETER OF THE PIPE, AND 12 INCHES ABOVE TOP OF PIPE.

■ FOR PIPES UNDER PAVEMENT, THE H DIMENSION AND THE STANDARD BEDDING MATERIAL QUANTITY SHALL BE INCREASED TO GO TO THE PAVEMENT. SEE ROADWAY STANDARD PBB-1.

▲ SEE MULTIPLE INSTALLATIONS TABLE.

ALLOWABLE PIPE SIZES				
CORRUGATED HIGH DENSITY POLYETHYLENE PIPE, TYPE S (HDPE)	CORRUGATED POLYPROPYLENE PIPE, TYPE S (PP)			
AASHTO M 294	AASHTO M 330			
ASTM F2306	ASTMF2881			
DIAMETER (INCHES)	DIAMETER (INCHES)			
12	12			
15	15			
18	18			
24	24			
30	30			
36	36			
42	42			
48	48			

MINIMUM AND MAXIMU POLYETHYLENE (HDF	IM HEIGHT O PE) AND COF	F COVER FOR	OR CORR. HI	GH DENSITY ⇒) PIPES ●	
	MIN. HT. C	OF COVER	MAX. HT. OF COVER		
FIFE DIAMETER	HDPE	PP	HDPE	PP	
INCHES	FEET	FEET	FEET	FEET	
12	1	2	29	32	
15	1	2	26	30	
18	1	2	26	25	
24	1	2	24	25	
30	1	2	24	25	
36	1	2	24	24	
42	1	2	23	23	
48	1	2	23	21	
60	1	2	23	21	

MINIMUM COVER DEPTH IS TAKEN FROM AASHTO LRFD BRIDGE DESIGN SPEC. 12.6.6.3, AND THE MAXIMUM COVER DEPTH IS TAKEN FROM PLASTIC PIPE INSTITUTE'S HANDBOOK, CHAPTER 7.



IFOOT
Image: Constraint of the second se

(INSTALLATION BELOW EXISTING GROUND)

INSIDE PIPE DIAMETER	"X" SPACING
12" TO < 24"	12"
24" TO 60"	1/2 D

MULTIPLE PIPE INSTALLATION

SEE "DUAL WALL" TYPE S CONFIGURATION DETAIL



ITEM NO.	ITEM	UNIT
613 (E)	CORRUGATED POLYETHYLENE PIPE	LF
613 (EE)	CORRUGATED POLYPROPYLENE PIPE	LF
613 (S)	STANDARD BEDDING MATERIAL, CLASS B	CY
613 (T)	STANDARD BEDDING MATERIAL, CLASS C	CY
613 (V)	TRENCHEXCAVATION	CY

APPROVED BY ROADWAY ENGINEER: DATE: 12/20/2024 ROADWAY DESIGN DIVISION STANDARD THERMOPLASTIC CULVERT INSTALLATION OKLAHOMA Transportation 2019 SPECIFICATIONS TCI-1 0

R-62