

3 September 2015 2:47 PM C:\MyFiles\pw_production\dms52075\Std602-5.dgn [Metric]

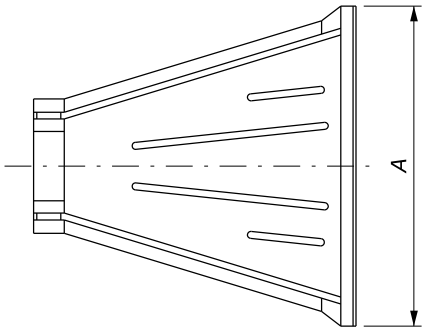
STATE	PROJECT	SHEET NUMBER

POLYETHYLENE (PE) PLASTIC ROUND PIPE CULVERT															
FILL HEIGHT TABLE AND MINIMUM CELL CLASSIFICATION NUMBER PER ASTM D 3350															
SMOOTH WALL (SOLID WALL)								CORRUGATED			RIBBED				
PIPE SIZE DIAMETER	MINIMUM COVER	CELL CLASSIFICATION NUMBER 335434C						PIPE SIZE DIAMETER	MINIMUM COVER	CELL CLASS. NO. 435400C	PIPE SIZE DIAMETER	MINIMUM COVER	CELL CLASS. NO. 334433C	CELL CLASS. NO. 335434C	
		MINIMUM WALL THICKNESS													
		15.4	21.7	23.4	29.3	35.1	32.8								37.5
		MAXIMUM FILL HEIGHT (METERS)											MAXIMUM FILL HEIGHT (METERS)		
300	300	17.5							300	300	3.0	450	300	5.5	7.5
450	300		16						375	300	3.0	600	300	6.5	8.5
600	300			11.5					450	300	3.0	750	300	6.5	8.5
750	300				11.5				600	300	3.0	900	300	7.5	9.5
900	300					11.5			750	300	3.0	1050	300	6.5	8.0
1050	300						8.0		900	300	3.0	1200	300	6.5	8.0
1200	300						8.0								

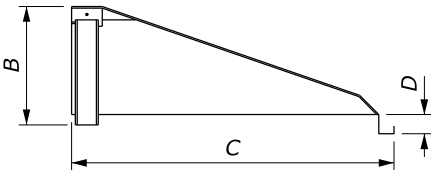
NOTE:

1. When directed, camber pipe culverts upward from a chord through the inlet and outlet inverts an ordinate amount equal to 1% of the pipe length. Develop camber on a parabolic curve. If the midpoint elevation on the parabolic curve as designed exceeds the elevation of the inlet invert, reduce the amount of camber or increase the pipe culvert gradient.
2. Measure minimum cover from the top of the pipe culvert to the subgrade for flexible pavements, and to the top of the pavement for rigid pavements. Measure maximum fill height from the top of the pipe to the top of the pavement for both flexible and rigid pavement.
3. Dimensions without units are millimeters.

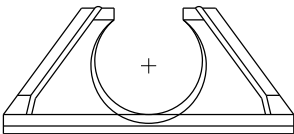
POLYVINYL CHLORIDE (PVC) PLASTIC ROUND PIPE CULVERT											
FILL HEIGHT TABLE AND MINIMUM CELL CLASSIFICATION NUMBER PER ASTM D 1784											
SMOOTH WALL (SOLID WALL)						RIBBED					
PIPE SIZE DIAMETER	MINIMUM COVER	CELL CLASS. NO. 12454		CELL CLASS. NO. 12364		PIPE SIZE DIAMETER	MINIMUM COVER	CELL CLASS. NO. 12454C	CELL CLASS. NO. 12364C		
		MINIMUM WALL THICKNESS									
		9.1	11.1	9.1	11.1			MAXIMUM FILL HEIGHT (METERS)			
		MAXIMUM FILL HEIGHT (METERS)						MAXIMUM FILL HEIGHT (METERS)			
300	300	20		21		300	300	11.0	8.0		
375	300		19		20	375	300	9.5	6.5		
						450	300	10.0	7.0		
						600	300	9.0	6.5		
						750	300	8.5	6.0		
						900	300	8.5	6.0		
						1050	300	8.0	5.5		
						1200	300	7.5	5.5		



TOP



SIDE



FRONT

PLASTIC PIPE END SECTION

END SECTION DIMENSIONS				
PIPE SIZE DIAMETER	DIMENSIONS			
	A	B	C	D
300	1065	370	840	150
375	1170	620	1155	150
450	1370	735	1395	150
600	1625	940	1650	150
750	2235	915	1615	150
900	2235	1090	1690	150

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
METRIC STANDARD	
PLASTIC PIPE CULVERT	
STANDARD APPROVED FOR USE 3/1996 REVISED: 6/2005 DRAFT: 2/2009	STANDARD M602-5