

PC-1

EXTRA STRENGTH CLAY PIPE		
DIAMETER (IN.)	AREA (SQ. FT.)	ALLOWABLE MAXIMUM COVER (FT.)
12	0.8	15
15	1.2	15
18	1.8	15
21	2.4	15
24	3.1	15
30	4.9	13
36	7.1	13

NOTES:

ALL VITRIFIED CLAY PIPE IS TO BE EXTRA STRENGTH. MAXIMUM HEIGHTS OF COVER SHOWN IN TABLE ARE FOR FINISHED CONSTRUCTION.

TO PROTECT PIPE DURING CONSTRUCTION MINIMUM HEIGHT OF COVER PRIOR TO ALLOWING CONSTRUCTION TRAFFIC TO CROSS INSTALLATION IS TO BE 3.0 FT. THIS COVER IS TO EXTEND THE FULL LENGTH OF THE PIPE CULVERT. THE APPROACH FILL RAMP IS TO EXTEND A MINIMUM OF 10(DIA.+3.0') ON EACH SIDE OF THE CULVERT, OR TO THE INTERSECTION WITH A CUT.

MINIMUM FINISHED HEIGHT OF COVER TO BE 2.0', EXCEPT PIPE UNDER ENTRANCES AND MEDIAN CROSSOVERS WHERE A 9" MINIMUM WILL BE PERMITTED).

METHOD "A" BEDDING IS TO BE USED FOR ALL INSTALLATIONS UNLESS OTHERWISE DESIGNATED ON PLANS.

VITRIFIED CLAY

SHEET 16 OF 17

POLYETHYLENE CORRUGATED PIPE CULVERT		
DIAMETER (IN.)	AREA (SQ. FT.)	ALLOWABLE MAXIMUM COVER (FT.)
12	0.8	21
15	1.2	21
18	1.8	20
24	3.1	20
30	4.9	19
36	7.1	18
X 42"	9.6	18
X 48"	12.6	17

X FOR TYPE D ONLY.

NOTE: FOR DETAILS OF BEDDING FOR POLYETHYLENE PIPE CULVERT SEE STANDARD PB-1.

POLYVINYLCHLORIDE RIBBED PIPE CULVERT		
DIAMETER (IN.)	AREA (SQ. FT.)	ALLOWABLE MAXIMUM COVER (FT.)
18	1.7	20
21	2.3	19
24	3.0	19
30	4.7	18
36	6.9	18
48	12.3	18

NOTES:

COVER HEIGHTS INDICATED IN TABLES ARE FOR FINISHED CONSTRUCTION.

TO PROTECT PIPE DURING CONSTRUCTION, MINIMUM HEIGHT OF COVER TO BE AS FOLLOWS PRIOR TO ALLOWING CONSTRUCTION TRAFFIC TO CROSS INSTALLATION.

PIPE DIAMETER	** MINIMUM COVER HEIGHT DURING CONSTRUCTION
12" TO 30"	1'-6"
36" AND ABOVE	$\frac{\text{DIAMETER}}{2}$

MINIMUM FINISHED HEIGHT OF COVER TO BE  $\frac{1}{8}$  DIAMETER OR 1'-0" WHICHEVER IS GREATER. EXCEPT PIPE UNDER ENTRANCES AND MEDIAN CROSSOVERS WHERE A 9" MINIMUM WILL BE PERMITTED FOR PIPE UP TO 24" DIAMETER.

\*\* THE COVER SHALL EXTEND THE FULL LENGTH OF THE PIPE. THE APPROACH FILL IS TO EXTEND A MINIMUM OF (10)(DIAMETER +  $\frac{1}{2}$  DIAMETER) ON EACH SIDE OF THE STRUCTURE, OR TO THE INTERSECTION WITH A CUT.

THE ALLOWABLE COVER TABLES SHOWN ARE BASED ON A SOIL MODULUS OF 700 PSI. ALL OTHER DESIGN CRITERIA ARE IN ACCORDANCE WITH THE AASHTO SPECIFICATIONS AND VDOT MODIFICATIONS FOR SOIL THERMOPLASTIC PIPE INTERACTION SYSTEMS.

PLASTIC PIPE

VITRIFIED CLAY AND PLASTIC PIPE  
MAXIMUM COVER TABLE FOR H-20 LIVE LOAD

REV. 7/01

107.20

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE

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