PC-1								. N	OTES:			
	MINIMUM	SHEE	T THICKNE	ESS AND	DESIGN DA	TA		1. 0	COVER HEIGHTS INDICAT	ED IN TABLES ARE FOR FINISHED IATCH FORMER VDOT ALLOWABLE . COVER HEIGHTS WERE NOT		
PIPE ARCH DIMENSION					MINIMUM	MAXIMUM COVER HEIGHT IN FEET		F	RE-CALCULATED USING LRFD			
NOMINAL SIZE SPAN - RISE	EQUIVALENT PIPE DIAMETER	AREA	B INCHES	Rc	SHEET THICKNESS REQUIRED	MAXIMUM CORNER PRESSURE		T	TO PROTECT PIPE DURING CONSTRUCTION, MINIMUM HEIGH OF COVER TO BE IN ACCORDANCE WITH TABLE A PRIOR TO ALLOWING CONSTRUCTION TRAFFIC TO CROSS INSTALLATION. THE COVER SHALL EXTEND THE FULL			
INCHES	INCHES	SQ. FT.	(SEE NOTE 7)	INCHES	INCHES (GAUGE)	4000 LBS./SQ.FT. (SEE NOTE 4)	6000 LBS./SQ. FT. (SEE NOTE 6)) L	ENGTH OF THE PIPE AL S TO EXTEND A MINIM ACH SIDE OF THE PIPE	RCH. THE APPROACH FILL RAMP UM OF 10(HEIGHT + $\frac{1}{2}$ SPAN) ON , OR TO THE INTERSECTION WITH		
2 2/3" x 1/2" CORRUGATIONS								4	CUT.			
17 x 13	15	1.1	51/4	3	0.064 (16)	11	17]3. S	TANDARD MINIMUM FINIS LL PIPES SHALL BE 2'(SHED HEIGHT OF COVER FOR D" OR $\frac{1}{2}$ SPAN, WHICHEVER IS		
21 x 15	18	1.6	6	3	0.064 (16)	9	14	1 (GREATER. IN CASES IN 1	WHICH THESE COVER HEIGHTS		
24 x 18	21	2.2	71/4	3	0.064 (16)	8	12		COVER HEIGHT OF 1.0'C GREATER, WILL BE ALLO	N ABSOLUTE MINIMUM FINSHED OR 1/8 SPAN, WHICHEVER IS WED ONLY IF ALL POSSIBLE		
28 x 20	24	2.8	8	3	0.064 (16)	7	10	l N	ILANS TO OBTAIN THE IXHAUSTED. WHERE POL	STANDARD VALUE HAVE BEEN YMER COATED PIPE WILL BE		
35 x 24	30	4.4	91/2	3	0.064 (16)	5	8	J v	VILL BE ASPHALT, CLASS	E OVER THE TOP OF THE PIPE S I BACKFILL MATERIAL IS TO		
42 x 29 ��	36	6.4	101/2	31/2	0.064 (16)	5	8		BE PLACED UP TO A MI OF THE PIPE.	NIMUM OF 6" ABOVE THE TOP		
49 x 33 ⊛	42	8.7	111/2	4	0.079 (14)	5	8	4. 5	EE STANDARD PB-1FOF	R PIPE BEDDING AND BACKFILL		
57 x 38 ⊛	48	11.4	131/2	5	0.109 (12)	5	8		EQUIREMENTS.			
64 × 43 ⊛	54	14.3	15	6	0.109 (12)	6	9	T	ABLES IS BASED ON A	F COVER SHOWN IN THE SOIL MODULUS OF 700 PSI.		
71 × 47 ��	60	17.6	161/2	7	0.138 (10)	6	9	l v	WITH THE AASHTO SPEC	ERIA ARE IN ACCORDANCE CIFICATIONS AND VDOT		
77 × 52 ⊛	66	21.3	18	8	0.168 (8)	6	10		MODIFICATIONS FOR SOIL STRUCTURE INTERACTION			
83 × 57 ⊛	72	25.3	20	9	0.168 (8)	7	10					
3" x 1" AND 5" x 1" CORRUGATIONS									OF THIS CATEGORY OF PIPE, FOUNDATION AND BACKFI MUST BE APPROVED BY THE ENGINEER.			
40 x 31 ⊛	36	6.4	9 3/4	5	0.109 (12)	8	12			IS MEASURED "B" INCHES ABOVE		
46 × 36 ⊛	42	8.7	111/2	6	0.109 (12)	8	12		HE INVERT. SEE DIAGR OF "B" DIMENSION.	RAM BELOW FOR ILLUSTRATION		
53 x 41 ⊛	48	11.4	13	7	0.109 (12)	8	13		Т	ABLE A		
60 × 46 ⊛	54	14.3	14 3/4	8	0.109 (12)	8	13		DIDE 10011 0011	MINIMUM COVER HEIGHT		
66 × 51 ⊛	60	17.6	161/2	9	0.109 (12)	9	13		PIPE ARCH SPAN	DURING CONSTRUCTION (SEE NOTE 2)		
73 × 55 ⊛	66	22.0	211/2	12	0.109 (12)	11	16		17" TO 35"	18"		
81 x 59 ⊛	72	26.0	23	14	0.109 (12)	11	17		42" AND ABOVE	1/2 SPAN		
87 × 63	78	31.0	241/2	14	0.109 (12)	10	16	_	1			
95 × 67	84	35.0	261/2	16	0.109 (12)	11	16					
103 x 71	90	40.0	27	16	0.109 (12)	10	15					
112 × 75	96	46.0	29	18	0.109 (12)	10	16					
117 x 79	102	52.0	30¾	18	0.109 (12)	10	15		Rc Rb	Rc \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
128 × 83	108	58.0	291/2	18	0.138 (10)	9	14	_				
137 × 87	114	64.0	30¾	18	0.138 (10)	8	13					
142 x 91	120	71.0	321/2	18	0.168 (8)	8	12]				
89 INDICATES PIPE ARCHES FOR WHICH DIMENSIONS FOR EITHER CORRUGATION MAY BE USED WITHIN HEIGHT OF COVER LIMITATIONS.												
VDDT CORRUCATED STEEL DIDE ARCH REFERENCE												
ROAD AND BRIDGE STANDARDS CORRUGATED STEEL PIPE ARCH												
SHEET 5 OF 18	REVISION DATE 07/16	: F	HEIGHT	OF (93 LIVE L	OAD 232 302		
107.09	107.09 07/16 VIRGINIA DEPARTMENT OF TRANSPORTATION											