

SPAN (FT.)	HGHT (FT.)	REINFORCING STEEL (LBS/LONG. JT)	QUAN./LF		HEADWALLS									
			CONCRETE CLASS A4 (CY/LF)	REINFORCING STEEL (LBS/LF)	G		HW I		INLET CONCRETE CL. A4 (CY)	INLET REINFORCING STEEL (LBS)	OUTLET CONCRETE CL. A4 (CY)	OUTLET REINFORCING STEEL (LBS)	WINGWALL	
					HEADWALL LENGTH	SIZE	LENGTH							
3	3	16.184	0.400	56.439	5'-10"	6	5'- 6"	1.038	33.044	1.042	33.044	A		
3	4	17.596	0.448	62.587	5'-10"	6	5'- 6"	1.131	33.044	1.134	33.044	C		
4	3	19.524	0.514	62.538	6'-10"	6	6'- 6"	1.164	39.052	1.171	39.052	B		
4	4	20.936	0.547	69.627	6'-10"	6	6'- 6"	1.255	39.052	1.262	39.052	D		
4	5	22.348	0.596	74.471	6'-10"	6	6'- 6"	1.348	39.052	1.355	39.052	F		
4	6	23.760	0.653	79.315	6'-10"	6	6'- 6"	1.441	39.052	1.448	39.052	H		
5	3	22.864	0.692	83.116	7'-10"	6	7'- 6"	1.259	45.060	1.269	45.060	B		
5	4	24.276	0.741	88.246	7'-10"	6	7'- 6"	1.352	45.060	1.362	45.060	D		
5	5	25.688	0.790	93.376	7'-10"	6	7'- 6"	1.444	45.060	1.455	45.060	F		
5	6	27.100	0.790	102.628	7'-10"	6	7'- 6"	1.537	45.060	1.547	45.060	H		
5	7	28.512	0.838	112.702	7'-10"	6	7'- 6"	1.630	45.060	1.640	45.060	J		
6	4	27.616	0.830	115.555	8'-10"	6	8'- 6"	1.437	51.068	1.450	51.068	D		
6	5	29.028	0.889	135.167	8'-10"	6	8'- 6"	1.528	51.068	1.542	51.068	F		
6	6	30.440	0.940	125.058	8'-10"	6	8'- 6"	1.621	51.068	1.635	51.068	H		
6	7	31.852	0.987	153.922	8'-10"	6	8'- 6"	1.714	51.068	1.728	51.068	J		
6	8	33.264	1.035	167.663	8'-10"	6	8'- 6"	1.807	51.068	1.820	51.068	L		
7	4	30.956	1.052	141.419	9'-10"	6	9'- 6"	1.523	57.076	1.540	57.076	E		
7	6	33.780	1.162	160.555	9'-10"	6	9'- 6"	1.707	57.076	1.724	57.076	I		
7	8	36.604	1.258	195.902	9'-10"	6	9'- 6"	1.892	57.076	1.910	57.076	M		
7	10	39.428	1.419	236.069	9'-10"	6	9'- 6"	2.002	57.076	2.018	57.076	Q		
8	4	34.296	1.263	174.928	10'-10"	6	10'- 6"	1.581	63.084	1.601	63.084	E		
8	6	37.120	1.375	184.995	10'-10"	6	10'- 6"	1.764	63.084	1.785	63.084	I		
8	8	39.944	1.487	209.490	10'-10"	6	10'- 6"	1.947	63.084	1.968	63.084	M		
8	10	42.768	1.663	254.498	10'-10"	6	10'- 6"	2.053	63.084	2.072	63.084	Q		
9	4	37.636	1.500	195.303	11'-10"	6	11'- 6"	1.627	69.092	1.650	69.092	E		
9	6	40.460	1.597	220.586	11'-10"	6	11'- 6"	1.812	69.092	1.836	69.092	I		
9	8	43.284	1.711	235.961	11'-10"	6	11'- 6"	1.995	69.092	2.018	69.092	M		
9	10	46.108	1.886	309.068	11'-10"	6	11'- 6"	2.098	69.092	2.121	69.092	Q		
9	12	48.932	2.135	378.991	11'-10"	6	11'- 6"	2.130	69.092	2.152	69.092	U		
10	4	40.976	1.692	211.727	12'-10"	6	12'- 6"	1.675	75.100	1.702	75.100	E		
10	6	43.800	1.790	222.751	12'-10"	6	12'- 6"	1.861	75.100	1.888	75.100	I		
10	8	46.624	1.901	302.023	12'-10"	6	12'- 6"	2.061	75.100	2.088	75.100	N		
10	10	49.448	2.077	383.544	12'-10"	6	12'- 6"	2.164	75.100	2.190	75.100	R		
10	12	52.272	2.347	425.722	12'-10"	6	12'- 6"	2.190	75.100	2.215	75.100	V		
12	6	50.480	2.414	298.265	14'-10"	6	14'- 6"	1.904	87.116	1.938	87.116	J		
12	8	53.304	2.507	371.794	14'-10"	6	14'- 6"	2.090	87.116	2.123	87.116	N		
12	10	56.128	2.693	402.392	14'-10"	6	14'- 6"	2.172	87.116	2.205	87.116	R		
12	12	58.952	2.921	553.039	14'-10"	6	14'- 6"	2.218	87.116	2.250	87.116	V		

SPECIFICATION
REFERENCE

SINGLE BOX CULVERTS

40 TO 45 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION



ROAD AND BRIDGE STANDARDS

REVISION DATE

SHEET 2 OF 2

1002.22