

DIMENSIONS							REINFORCING STEEL																									
SPAN (FT.)	HGHT (FT.)	T1	T2	T3	T4							BH1		BH2		BH3		BH4			BV1		BV2									
		TOP SLAB	BOTTOM SLAB	EXTERIOR WALL (IN.)	INTERIOR WALL (IN.)	A	B	C	D	E	F	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	a	LENGTH	SIZE	SPACING O-C	a	b	LENGTH	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	LENGTH
3	3	8"	8"	8"	8"	6	6'-0"	6	6'-0"	1	1'-0"	4	12"	7'-6"	4	12"	7'-8"	--	--	----	----	4	12"	2'-11/4"	2'-8"	4'-6"	4	12"	4'-0"	4	12"	4'-0"
3	4	8"	8"	8"	8"	6	6'-0"	6	6'-0"	2	2'-0"	4	12"	7'-6"	4	12"	7'-8"	--	--	----	----	4	12"	2'-11/4"	3'-2"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	9/2"	9/2"	8"	8"	8	8'-0"	8	8'-0"	1	1'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-35/8"	2'-9/2"	4'-10"	4	12"	4'-3"	4	12"	4'-3"
4	4	9/2"	9/2"	8"	8"	8	8'-0"	8	8'-0"	2	2'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-35/8"	3'-3/2"	5'-4"	4	12"	5'-3"	4	12"	5'-3"
4	5	9/2"	9/2"	8"	8"	8	8'-0"	8	8'-0"	3	3'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-35/8"	3'-9/2"	5'-10"	4	12"	6'-3"	4	12"	6'-3"
4	6	9/4"	9/4"	8"	8"	8	8'-0"	8	8'-0"	4	4'-0"	4	12"	9'-1"	4	12"	9'-8"	3	12"	2'-35/8"	4'-5"	4	12"	2'-35/8"	4'-3/4"	6'-4"	4	12"	7'-2"	4	12"	7'-2"
5	3	11"	11"	8"	8"	10	10'-0"	10	10'-0"	1	1'-0"	4	12"	10'-8"	4	12"	11'-8"	--	--	----	----	4	12"	2'-6"	2'-11"	5'-2"	4	12"	4'-6"	4	12"	4'-6"
5	4	11"	11"	8"	8"	10	10'-0"	10	10'-0"	2	2'-0"	4	12"	10'-8"	4	12"	11'-8"	--	--	----	----	4	12"	2'-6"	3'-5"	5'-8"	4	12"	5'-6"	4	12"	5'-6"
5	5	11"	11"	8"	8"	10	10'-0"	10	10'-0"	3	3'-0"	4	12"	10'-8"	4	12"	11'-8"	--	--	----	----	4	12"	2'-6"	3'-11"	6'-2"	4	12"	6'-6"	4	12"	6'-6"
5	6	11/4"	11/4"	8"	8"	10	10'-0"	10	10'-0"	4	4'-0"	4	12"	10'-8"	4	12"	11'-8"	3	12"	2'-6"	4'-10"	4	12"	2'-6"	4'-5/4"	6'-8"	4	12"	7'-6"	4	12"	7'-6"
5	7	11/4"	11/4"	8"	8"	10	10'-0"	10	10'-0"	5	5'-0"	4	12"	10'-8"	4	12"	11'-8"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	4'-11/4"	7'-2"	4	10"	8'-6"	4	12"	8'-6"
6	4	13"	13"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	4	10"	12'-3"	4	10"	13'-8"	--	--	----	----	4	10"	2'-83/8"	3'-7"	6'-0"	4	12"	5'-10"	4	12"	5'-10"
6	5	13"	13"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	4	10"	12'-3"	4	10"	13'-8"	--	--	----	----	4	10"	2'-83/8"	4'-1"	6'-6"	4	12"	6'-10"	4	12"	6'-10"
6	6	13"	13"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	4	10"	12'-3"	4	10"	13'-8"	--	--	----	----	4	10"	2'-83/8"	4'-7"	7'-0"	4	12"	7'-10"	4	12"	7'-10"
6	7	13"	13"	8"	8"	12	12'-0"	12	12'-0"	5	5'-0"	4	10"	12'-3"	4	10"	13'-8"	3	10"	2'-83/8"	5'-2"	4	10"	2'-83/8"	5'-1"	7'-6"	4	10 1/2"	8'-10"	4	12"	8'-10"
6	8	13"	13"	8"	8"	12	12'-0"	12	12'-0"	6	6'-0"	4	10"	12'-3"	4	10"	13'-8"	--	--	----	----	5	10"	2'-83/8"	5'-7"	7'-11"	5	10 1/2"	9'-10"	4	12"	9'-10"
7	4	15/4"	15/4"	8"	8"	14	14'-0"	14	14'-0"	2	2'-0"	5	9"	13'-10"	4	9"	15'-8"	--	--	----	----	4	9"	2'-103/4"	3'-9/4"	6'-5"	4	12"	6'-3"	4	12"	6'-3"
7	6	15/2"	15/2"	8"	8"	14	14'-0"	14	14'-0"	4	4'-0"	5	9"	13'-10"	4	9"	15'-8"	--	--	----	----	4	9"	2'-103/4"	4'-9/2"	7'-5"	4	12"	8'-3"	4	12"	8'-3"
7	8	15/2"	15/2"	8"	8"	14	14'-0"	14	14'-0"	6	6'-0"	5	9"	13'-10"	4	9"	15'-8"	3	9"	2'-103/4"	5'-7"	4	9"	2'-103/4"	5'-9/2"	8'-5"	4	6 1/2"	10'-3"	4	12"	10'-3"
7	10	15/2"	15/2"	8"	8"	14	14'-0"	14	14'-0"	8	8'-0"	5	9"	13'-10"	4	9"	15'-8"	3	9"	2'-103/4"	5'-7"	5	9"	2'-103/4"	6'-9/2"	9'-4"	5	6 1/2"	12'-3"	4	12"	12'-3"
8	4	17"	17"	8"	8"	16	16'-0"	16	16'-0"	2	2'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	4	9"	3'-1/4"	3'-11"	6'-9"	4	12"	6'-6"	4	10 1/2"	6'-6"
8	6	17/4"	17/4"	8"	8"	16	16'-0"	16	16'-0"	4	4'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	4	9"	3'-1/4"	4'-11/4"	7'-9"	4	12"	8'-6"	4	10 1/2"	8'-6"
8	8	17/4"	17/4"	8"	8"	16	16'-0"	16	16'-0"	6	6'-0"	5	9"	15'-6"	5	9"	17'-8"	--	--	----	----	5	9"	3'-1/4"	5'-11/4"	8'-9"	4	6 1/2"	10'-6"	4	11"	10'-6"
8	10	17"	17"	8"	8"	16	16'-0"	16	16'-0"	8	8'-0"	5	9"	15'-6"	5	9"	17'-8"	--	--	----	----	6	9"	3'-1/4"	6'-11"	9'-7"	5	6 1/2"	12'-6"	4	11"	12'-6"
9	4	19"	19"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	6	9"	17'-1"	5	9"	19'-8"	--	--	----	----	4	9"	3'-35/8"	4'-1"	7'-1"	4	12"	6'-10"	4	10"	6'-10"
9	6	19"	19"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	6	9"	17'-1"	5	9"	19'-8"	--	--	----	----	4	9"	3'-35/8"	5'-1"	8'-1"	4	12"	8'-10"	4	10"	8'-10"
9	8	19"	19"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	6	9"	17'-1"	5	9"	19'-8"	3	9"	3'-35/8"	6'-5"	4	9"	3'-35/8"	6'-1"	9'-1"	4	6 1/2"	10'-10"	4	10"	10'-10"
9	10	19"	19"	8"	8"	18	18'-0"	18	18'-0"	8	8'-0"	6	9"	17'-1"	5	9"	19'-8"	3	9"	3'-35/8"	6'-5"	5	9"	3'-35/8"	7'-1"	10'-1"	6	9"	12'-10"	4	10"	12'-10"
9	12	19"	19"	9/4"	8"	18	18'-0"	18	18'-0"	10	10'-0"	6	9"	17'-1"	5	9"	19'-10"	3	9"	3'-47/8"	6'-7"	6	9"	3'-47/8"	8'-1"	11'-1"	7	10 1/2"	14'-10"	4	10"	14'-10"
10	4	20 3/4"	20 3/4"	8"	8"	20	20'-0"	20	20'-0"	2	2'-0"	6	8"	18'-8"	4	8"	21'-8"	--	--	----	----	4	8"	3'-6"	4'-2 3/4"	7'-6"	4	12"	7'-1"	4	10"	7'-1"
10	6	20 3/4"	20 3/4"	8"	8"	20	20'-0"	20	20'-0"	4	4'-0"	6	8"	18'-8"	4	8"	21'-8"	--	--	----	----	4	8"	3'-6"	5'-2 3/4"	8'-6"	4	12"	9'-1"	4	10"	9'-1"
10	8	20 3/4"	20 3/4"	8"	8"	20	20'-0"	20	20'-0"	6	6'-0"	7	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	6'-2 3/4"	9'-6"	4	6 1/2"	11'-1"	4	10"	11'-1"
10	10	20 1/2"	20 1/2"	8"	8"	20	20'-0"	20	20'-0"	8	8'-0"	7	9"	18'-8"	6	9"	21'-8"	--	--	----	----	6	9"	3'-6"	7'-2 1/2"	10'-4"	6	9"	13'-1"	4	10"	13'-1"
10	12	20 1/2"	20 1/2"	9/4"	8"	20	20'-0"	20	20'-0"	10	10'-0"	7	9"	18'-8"	5	9"	21'-10"	3	9"	3'-7/4"	7'-0"	6	9"	3'-7/4"	8'-2 1/2"	11'-5"	7	10 1/2"	15'-1"	4	10"	15'-1"
12	6	24 3/4"	24 3/4"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	7	9"	21'-10"	6	9"	25'-8"	--	--	----	----	4	9"	3'-10 3/4"	5'-6 3/4"	9'-2"	4	12"	9'-9"	4	9 1/2"	9'-9"
12	8	24 3/4"	24 3/4"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	7	9"	21'-10"	6	9"	25'-8"	3	9"	3'-10 3/4"	7'-7"	4	9"	3'-10 3/4"	6'-6 3/4"	10'-2"	4	6"	11'-9"	4	9 1/2"	11'-9"
12	10	24 3/4"	24 3/4"	8"	8"	24	24'-0"	24	24'-0"	8	8'-0"	7	9"	21'-10"	6	9"	25'-8"	3	9"	3'-10 3/4"	7'-7"	5	9"	3'-10 3/4"	7'-6 3/4"	11'-2"	5	6"	13'-9"	4	9 1/2"	13'-9"
12	12	25"	25"	9/4"	8"	24	24'-0"	24	24'-0"	10	10'-0"	7	9"	21'-10"	6	9"	25'-10"	3	9"	4'-0"	7'-10"	6	9"	4'-0"	8'-7"	12'-2"	5	5"	15'-10"	4	9 1/2"	15'-10"

FOR TYPICAL SECTION, NOTES AND OTHER DETAILS, REFER TO STANDARD BCD-DT.

**VDOT**  
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2	REVISION DATE
1003.18	

**DOUBLE BOX CULVERTS**  
30 TO 35 FT. FILLS  
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE