

DIMENSIONS							REINFORCING STEEL																									
SPAN (FT.)	HGHT (FT.)	T1 TOP SLAB	T2 BOTTOM SLAB	T3 EXTERIOR WALL (IN.)	T4 INTERIOR WALL (IN.)	A	B	C	D	E	F	BH1		BH2		BH3		BH4			BV1		BV2									
												SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	a	LENGTH	SIZE	SPACING C-C	a	b	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-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'-1 1/4"	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'-1 1/4"	3'-2"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	8 1/2"	8 1/2"	8"	8"	8	8'-0"	8	8'-0"	1	1'-0"	4	12"	9'-1"	4	12"	9'-8"	---	---	---	---	4	12"	2'-3 5/8"	2'-8 1/2"	4'-9"	4	12"	4'-1"	4	12"	4'-1"
4	4	8 1/2"	8 1/2"	8"	8"	8	8'-0"	8	8'-0"	2	2'-0"	4	12"	9'-1"	4	12"	9'-8"	---	---	---	---	4	12"	2'-3 5/8"	3'-2 1/2"	5'-3"	4	12"	5'-1"	4	12"	5'-1"
4	5	8 3/4"	8 3/4"	8"	8"	8	8'-0"	8	8'-0"	3	3'-0"	4	12"	9'-1"	4	12"	9'-8"	---	---	---	---	4	12"	2'-3 5/8"	3'-8 3/4"	5'-9"	4	12"	6'-2"	4	12"	6'-2"
4	6	8 3/4"	8 3/4"	8"	8"	8	8'-0"	8	8'-0"	4	4'-0"	4	12"	9'-1"	4	12"	9'-8"	---	---	---	---	4	12"	2'-3 5/8"	4'-2 3/4"	6'-3"	4	12"	7'-2"	4	12"	7'-2"
5	3	10 1/4"	10 1/4"	8"	8"	10	10'-0"	10	10'-0"	1	1'-0"	4	12"	10'-8"	4	12"	11'-8"	---	---	---	---	4	12"	2'-6"	2'-10 1/4"	5'-1"	4	12"	4'-5"	4	12"	4'-5"
5	4	10 1/4"	10 1/4"	8"	8"	10	10'-0"	10	10'-0"	2	2'-0"	4	12"	10'-8"	4	12"	11'-8"	---	---	---	---	4	12"	2'-6"	3'-4 1/4"	5'-7"	4	12"	5'-5"	4	12"	5'-5"
5	5	10 1/4"	10 1/4"	8"	8"	10	10'-0"	10	10'-0"	3	3'-0"	4	12"	10'-8"	4	12"	11'-8"	---	---	---	---	4	12"	2'-6"	3'-10 1/4"	6'-1"	4	12"	6'-5"	4	12"	6'-5"
5	6	10 1/4"	10 1/4"	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'-4 1/4"	6'-7"	4	12"	7'-5"	4	12"	7'-5"
5	7	10 1/4"	10 1/4"	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'-10 1/4"	7'-1"	4	12"	8'-5"	4	12"	8'-5"
6	4	12 1/4"	12 1/4"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	4	11"	12'-3"	4	11"	13'-8"	---	---	---	---	4	11"	2'-8 3/8"	3'-6 1/4"	5'-11"	4	12"	5'-9"	4	12"	5'-9"
6	5	12 1/4"	12 1/4"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	4	11"	12'-3"	4	11"	13'-8"	---	---	---	---	4	11"	2'-8 3/8"	4'-1/4"	6'-5"	4	12"	6'-9"	4	12"	6'-9"
6	6	12"	12"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	4	11"	12'-3"	4	11"	13'-8"	3	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	4'-6"	6'-11"	4	12"	7'-8"	4	12"	7'-8"
6	7	12"	12"	8"	8"	12	12'-0"	12	12'-0"	5	5'-0"	4	10"	12'-3"	4	10"	13'-8"	3	10"	2'-8 3/8"	5'-2"	4	10"	2'-8 3/8"	5'-0"	7'-5"	4	12"	8'-8"	4	12"	8'-8"
6	8	12"	12"	8"	8"	12	12'-0"	12	12'-0"	6	6'-0"	4	10"	12'-3"	4	10"	13'-8"	---	---	---	---	5	10"	2'-8 3/8"	5'-6"	7'-10"	4	8"	9'-8"	4	12"	9'-8"
7	4	13 3/4"	13 3/4"	8"	8"	14	14'-0"	14	14'-0"	2	2'-0"	5	9"	13'-10"	4	9"	15'-8"	---	---	---	---	4	9"	2'-10 3/4"	3'-7 3/4"	6'-3"	4	12"	6'-0"	4	12"	6'-0"
7	6	13 3/4"	13 3/4"	8"	8"	14	14'-0"	14	14'-0"	4	4'-0"	5	9"	13'-10"	4	9"	15'-8"	---	---	---	---	4	9"	2'-10 3/4"	4'-7 3/4"	7'-3"	4	12"	8'-0"	4	12"	8'-0"
7	8	13 3/4"	13 3/4"	8"	8"	14	14'-0"	14	14'-0"	6	6'-0"	5	9"	13'-10"	4	9"	15'-8"	3	9"	2'-10 3/4"	5'-7"	4	9"	2'-10 3/4"	5'-7 3/4"	8'-3"	4	8 1/2"	10'-0"	4	12"	10'-0"
7	10	13 3/4"	13 3/4"	8"	8"	14	14'-0"	14	14'-0"	8	8'-0"	5	9"	13'-10"	4	9"	15'-8"	3	9"	2'-10 3/4"	5'-7"	5	9"	2'-10 3/4"	6'-7 3/4"	9'-3"	4	5"	12'-0"	4	12"	12'-0"
8	4	15 1/2"	15 1/2"	8"	8"	16	16'-0"	16	16'-0"	2	2'-0"	5	8"	15'-6"	4	8"	17'-8"	---	---	---	---	4	8"	3'-1 1/4"	3'-9 1/2"	6'-8"	4	12"	6'-3"	4	12"	6'-3"
8	6	15 1/2"	15 1/2"	8"	8"	16	16'-0"	16	16'-0"	4	4'-0"	5	8"	15'-6"	4	8"	17'-8"	---	---	---	---	4	8"	3'-1 1/4"	4'-9 1/2"	7'-8"	4	12"	8'-3"	4	12"	8'-3"
8	8	15 1/2"	15 1/2"	8"	8"	16	16'-0"	16	16'-0"	6	6'-0"	5	8"	15'-6"	4	8"	17'-8"	3	8"	3'-1 1/4"	6'-0"	4	8"	3'-1 1/4"	5'-9 1/2"	8'-8"	4	8 1/2"	10'-3"	4	12"	10'-3"
8	10	15 1/2"	15 1/2"	8"	8"	16	16'-0"	16	16'-0"	8	8'-0"	5	8"	15'-6"	4	8"	17'-8"	3	8"	3'-1 1/4"	6'-0"	5	8"	3'-1 1/4"	6'-9 1/2"	9'-7"	4	5"	12'-3"	4	12"	12'-3"
9	4	17 1/4"	17 1/4"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	6	9"	17'-1"	5	9"	19'-8"	---	---	---	---	4	9"	3'-3 5/8"	3'-11 1/4"	7'-0"	4	12"	6'-6"	4	11"	6'-6"
9	6	17 1/4"	17 1/4"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	6	9"	17'-1"	5	9"	19'-8"	---	---	---	---	4	9"	3'-3 5/8"	4'-11 1/4"	8'-0"	4	12"	8'-6"	4	11"	8'-6"
9	8	17 1/2"	17 1/2"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	6	9"	17'-1"	5	9"	19'-8"	3	9"	3'-3 5/8"	6'-5"	4	9"	3'-3 5/8"	5'-11 1/2"	9'-0"	4	8"	10'-7"	4	11"	10'-7"
9	10	17 1/2"	17 1/2"	8"	8"	18	18'-0"	18	18'-0"	8	8'-0"	6	9"	17'-1"	5	9"	19'-8"	4	9"	3'-3 5/8"	6'-4"	4	9"	3'-3 5/8"	6'-11 1/2"	10'-0"	5	7 1/2"	12'-7"	4	11"	12'-7"
9	12	17 1/2"	17 1/2"	8 1/2"	8"	18	18'-0"	18	18'-0"	10	10'-0"	6	9"	17'-1"	5	9"	19'-8"	3	9"	3'-4 1/8"	6'-6"	6	9"	3'-4 1/8"	7'-11 1/2"	10'-11"	5	5 1/2"	14'-7"	4	11"	14'-7"
10	4	18 1/2"	18 1/2"	8"	8"	20	20'-0"	20	20'-0"	2	2'-0"	6	8"	18'-8"	4	8"	21'-8"	---	---	---	---	4	8"	3'-6"	4'-1/2"	7'-3"	4	12"	6'-9"	4	10"	6'-9"
10	6	18 3/4"	18 3/4"	8"	8"	20	20'-0"	20	20'-0"	4	4'-0"	6	9"	18'-8"	5	9"	21'-8"	---	---	---	---	4	9"	3'-6"	5'-3/4"	8'-4"	4	12"	8'-9"	4	10"	8'-9"
10	8	18 3/4"	18 3/4"	8"	8"	20	20'-0"	20	20'-0"	6	6'-0"	6	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	6'-3/4"	9'-4"	4	8 1/2"	10'-9"	4	10"	10'-9"
10	10	19"	19"	8"	8"	20	20'-0"	20	20'-0"	8	8'-0"	6	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6"	6'-10"	5	9"	3'-6"	7'-1"	10'-3"	5	7 1/2"	12'-10"	4	10"	12'-10"
10	12	19 1/4"	19 1/4"	8 1/2"	8"	20	20'-0"	20	20'-0"	10	10'-0"	6	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6 1/2"	6'-11"	6	9"	3'-6 1/2"	8'-1 1/4"	11'-3"	7	10 1/2"	14'-10"	4	10"	14'-10"
12	6	22 1/4"	22 1/4"	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'-4 1/4"	9'-0"	4	12"	9'-4"	4	10"	9'-4"
12	8	22 1/4"	22 1/4"	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'-4 1/4"	10'-0"	4	8"	11'-4"	4	10"	11'-4"
12	10	22 1/4"	22 1/4"	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'-4 1/4"	10'-11"	5	7 1/2"	13'-4"	4	10"	13'-4"
12	12	22 1/2"	22 1/2"	8 1/2"	8"	24	24'-0"	24	24'-0"	10	10'-0"	7	9"	21'-10"	6	9"	25'-8"	3	9"	3'-11 1/4"	7'-8"	6	9"	3'-11 1/4"	8'-4 1/2"	11'-11"	6	7 1/2"	15'-5"	4	10"	15'-5"

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

VDOT
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2 REVISION DATE

1003.16

DOUBLE BOX CULVERTS
25 TO 30 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE