

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 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'-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"	8"	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"	4'-8"	4	12"	4'-0"	4	12"	4'-0"
4	4	8"	8"	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"	5'-2"	4	12"	5'-0"	4	12"	5'-0"
4	5	8"	8"	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"	5'-8"	4	12"	6'-0"	4	12"	6'-0"
4	6	8"	8"	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"	6'-2"	4	12"	7'-0"	4	12"	7'-0"
5	3	8"	8"	8"	8"	10	10'-0"	10	10'-0"	1	1'-0"	4	12"	10'-8"	4	12"	11'-8"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	2'-8"	4'-11"	4	12"	4'-0"	4	12"	4'-0"
5	4	8"	8"	8"	8"	10	10'-0"	10	10'-0"	2	2'-0"	4	12"	10'-8"	4	12"	11'-8"	3	12"	2'-6"	4'-10"	4	12"	2'-6"	3'-2"	5'-5"	4	12"	5'-0"	4	12"	5'-0"
5	5	8"	8"	8"	8"	10	10'-0"	10	10'-0"	3	3'-0"	4	12"	10'-8"	4	12"	11'-8"	3	12"	2'-6"	4'-10"	4	12"	2'-6"	3'-8"	5'-11"	4	12"	6'-0"	4	12"	6'-0"
5	6	8"	8"	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'-2"	6'-5"	4	12"	7'-0"	4	12"	7'-0"
5	7	8"	8"	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'-8"	6'-11"	4	12"	8'-0"	4	12"	8'-0"
6	4	9 1/4"	9 1/4"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	3'-3/4"	5'-8"	4	12"	5'-2"	4	12"	5'-2"
6	5	9 1/2"	9 1/2"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	3'-9/2"	6'-3"	4	12"	6'-3"	4	12"	6'-3"
6	6	9 1/2"	9 1/2"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	4'-3/2"	6'-9"	4	12"	7'-3"	4	12"	7'-3"
6	7	9 1/2"	9 1/2"	8"	8"	12	12'-0"	12	12'-0"	5	5'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	4'-9/2"	7'-3"	4	12"	8'-3"	4	12"	8'-3"
6	8	9 3/4"	9 3/4"	8"	8"	12	12'-0"	12	12'-0"	6	6'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	5'-3 3/4"	7'-9"	4	12"	9'-3"	4	12"	9'-3"
7	4	10 1/2"	10 1/2"	8"	8"	14	14'-0"	14	14'-0"	2	2'-0"	4	10"	13'-10"	4	10"	15'-8"	3	10"	2'-10 3/4"	5'-7"	4	10"	2'-10 3/4"	3'-4 1/2"	6'-0"	4	12"	5'-5"	4	12"	5'-5"
7	6	10 3/4"	10 3/4"	8"	8"	14	14'-0"	14	14'-0"	4	4'-0"	4	10"	13'-10"	4	10"	15'-8"	---	---	---	---	4	10"	2'-10 3/4"	4'-4 3/4"	7'-0"	4	12"	7'-5"	4	12"	7'-5"
7	8	11"	11"	8"	8"	14	14'-0"	14	14'-0"	6	6'-0"	4	10"	13'-10"	4	10"	15'-8"	3	10"	2'-10 3/4"	5'-7"	4	10"	2'-10 3/4"	5'-5"	8'-1"	4	12"	9'-6"	4	12"	9'-6"
7	10	11 1/4"	11 1/4"	8"	8"	14	14'-0"	14	14'-0"	8	8'-0"	4	10"	13'-10"	4	10"	15'-8"	3	10"	2'-10 3/4"	5'-7"	5	10"	2'-10 3/4"	6'-5/8"	9'-0"	5	10 1/2"	11'-6"	4	12"	11'-6"
8	4	11 3/4"	11 3/4"	8"	8"	16	16'-0"	16	16'-0"	2	2'-0"	5	9"	15'-6"	4	9"	17'-8"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	3'-5 3/4"	6'-4"	4	12"	5'-8"	4	12"	5'-8"
8	6	12"	12"	8"	8"	16	16'-0"	16	16'-0"	4	4'-0"	5	9"	15'-6"	4	9"	17'-8"	---	---	---	---	4	9"	3'-1 1/4"	4'-6"	7'-4"	4	12"	7'-8"	4	12"	7'-8"
8	8	12 1/4"	12 1/4"	8"	8"	16	16'-0"	16	16'-0"	6	6'-0"	5	9"	15'-6"	4	9"	17'-8"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	5'-6 1/4"	8'-4"	4	12"	9'-9"	4	12"	9'-9"
8	10	12 1/2"	12 1/2"	8"	8"	16	16'-0"	16	16'-0"	8	8'-0"	5	9"	15'-6"	4	9"	17'-8"	4	9"	3'-1 1/4"	5'-11"	4	9"	3'-1 1/4"	6'-6 1/2"	9'-5"	4	7"	11'-9"	4	12"	11'-9"
9	4	13"	13"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	5	9"	17'-1"	5	9"	19'-8"	3	9"	3'-3 3/8"	6'-5"	4	9"	3'-3 3/8"	3'-7"	6'-7"	4	11 1/2"	5'-10"	4	12"	5'-10"
9	6	13 1/4"	13 1/4"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	5	9"	17'-1"	5	9"	19'-8"	---	---	---	---	4	9"	3'-3 3/8"	4'-7 1/4"	7'-8"	4	12"	7'-10"	4	12"	7'-10"
9	8	13 3/4"	13 3/4"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	5	9"	17'-1"	5	9"	19'-8"	3	9"	3'-3 3/8"	6'-5"	4	9"	3'-3 3/8"	5'-7 1/4"	8'-8"	4	12"	9'-10"	4	12"	9'-10"
9	10	13 1/2"	13 1/2"	8"	8"	18	18'-0"	18	18'-0"	8	8'-0"	5	9"	17'-1"	5	9"	19'-8"	3	9"	3'-3 3/8"	6'-5"	5	9"	3'-3 3/8"	6'-7 1/2"	9'-7"	4	7 1/2"	11'-11"	4	12"	11'-11"
9	12	13 3/4"	13 3/4"	8"	8"	18	18'-0"	18	18'-0"	10	10'-0"	5	9"	17'-1"	5	9"	19'-8"	3	9"	3'-3 3/8"	6'-5"	6	9"	3'-3 3/8"	7'-7 3/4"	10'-7"	4	4 1/2"	14'-0"	4	12"	14'-0"
10	4	14 1/2"	14 1/2"	8"	8"	20	20'-0"	20	20'-0"	2	2'-0"	6	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	3'-8 1/2"	6'-11"	4	11 1/2"	6'-1"	4	12"	6'-1"
10	6	14 1/2"	14 1/2"	8"	8"	20	20'-0"	20	20'-0"	4	4'-0"	6	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	4'-8 1/2"	7'-11"	4	12"	8'-1"	4	12"	8'-1"
10	8	14 3/4"	14 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"	5'-8 3/4"	9'-0"	4	12"	10'-1"	4	12"	10'-1"
10	10	15"	15"	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"	6'-9"	9'-11"	4	7 1/2"	12'-2"	4	12"	12'-2"
10	12	15"	15"	8"	8"	20	20'-0"	20	20'-0"	10	10'-0"	6	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6"	6'-10"	6	9"	3'-6"	7'-9"	10'-10"	4	4 1/2"	14'-2"	4	12"	14'-2"
12	6	17 3/4"	17 3/4"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	6	8"	21'-10"	5	8"	25'-8"	---	---	---	---	4	8"	3'-10 3/4"	4'-11 3/4"	8'-7"	4	12"	8'-7"	4	12"	8'-7"
12	8	17 3/4"	17 3/4"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	6	8"	21'-10"	5	8"	25'-8"	---	---	---	---	4	8"	3'-10 3/4"	5'-11 3/4"	9'-7"	4	12"	10'-7"	4	12"	10'-7"
12	10	18"	18"	8"	8"	24	24'-0"	24	24'-0"	8	8'-0"	6	8"	21'-10"	5	8"	25'-8"	4	8"	3'-10 3/4"	7'-6"	4	8"	3'-10 3/4"	7'-0"	10'-8"	4	7"	12'-8"	4	12"	12'-8"
12	12	18"	18"	8"	8"	24	24'-0"	24	24'-0"	10	10'-0"	6	8"	21'-10"	5	8"	25'-8"	4	8"	3'-10 3/4"	7'-6"	5	8"	3'-10 3/4"	8'-0"	11'-7"	4	4 1/2"	14'-8"	4	11 1/2"	14'-8"

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

VDOT
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2	REVISION DATE
1003.12	

DOUBLE BOX CULVERTS
15 TO 20 FT. FILLS
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE