


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

DIMENSIONS						REINFORCING STEEL																					
SPAN	HGHT	T1	T2	T3		BH1				BH2			BH3			BVI			NO. #4 BARS	NO. #3 BARS							
(FT.)	(FT.)	TOP SLAB (IN.)	BOTTOM SLAB (IN.)	WALL (IN.)	A	B	C	D	E	F	SIZE	SPACING C-C	a	b	LENGTH	SIZE	SPACING C-C	LENGTH			SIZE	SPACING C-C	a	LENGTH	SIZE	SPACING C-C	LENGTH
12	14	15"	15"	11 1/2"	11	11'-0"	11	11'-0"	12	12'-0"	6	6"	13'-7"	9'-2"	31'-0"	8	6"	13'-6"	--	---	-----	-----	7	9"	16'-2"	52	52
12	16	15 1/4"	15 1/4"	13"	11	11'-0"	11	11'-0"	14	14'-0"	6	5 1/2"	13'-10"	10'-2"	33'-3"	8	5 1/2"	13'-9"	3	5 1/2"	5'-4"	10'-5"	8	11"	18'-2"	52	60
14	8	16 3/4"	16 3/4"	8"	13	13'-0"	13	13'-0"	6	6'-0"	4	5 1/2"	15'-0"	5'-11"	26'-4"	8	5 1/2"	15'-0"	4	5 1/2"	4'-4"	8'-5"	4	11"	10'-5"	60	28
14	10	16 3/4"	16 3/4"	8"	13	13'-0"	13	13'-0"	8	8'-0"	5	5"	15'-0"	7'-1"	28'-6"	8	5"	15'-0"	--	---	-----	-----	5	5"	12'-5"	60	36
14	12	16 3/4"	16 3/4"	9 1/2"	13	13'-0"	13	13'-0"	10	10'-0"	5	5"	15'-3"	8'-1"	30'-9"	8	5"	15'-3"	--	---	-----	-----	6	10"	14'-5"	60	44
14	14	16 3/4"	16 3/4"	11"	13	13'-0"	13	13'-0"	12	12'-0"	5	5"	15'-6"	9'-1"	33'-0"	8	5"	15'-6"	4	5"	5'-1"	9'-10"	7	10"	16'-5"	60	52
14	16	17"	17"	13 1/2"	13	13'-0"	13	13'-0"	14	14'-0"	6	5"	15'-11"	10'-4"	35'-8"	8	5"	15'-11"	--	---	-----	-----	7	9"	18'-6"	60	60

SPAN	HGHT	REINFORCING STEEL (LBS/LONG. JT)	QUAN./LF		HEADWALLS												
			CONCRETE CLASS A4 (CY/LF)	REINFORCING STEEL (LBS/LF)	G	HW1		INLET CONCRETE CL. A4 (CY)	INLET REINFORCING STEEL (LBS)	OUTLET CONCRETE CL. A4 (CY)	OUTLET REINFORCING STEEL (LBS)	WINGWALL					
(FT.)	(FT.)				HEADWALL LENGTH	SIZE	LENGTH										
12	14	61.776	2.287	480.799	14'-10"	6	14'-6"	2.810	87.116	2.844	87.116	X					
12	16	64.600	2.614	583.945	14'-10"	6	14'-6"	2.835	87.116	2.868	87.116	CC					
14	8	59.984	1.993	374.438	16'-10"	6	16'-6"	2.408	99.132	2.449	99.132	M					
14	10	62.808	2.086	459.403	16'-10"	6	16'-6"	2.594	99.132	2.634	99.132	Q					
14	12	65.632	2.321	466.628	16'-10"	6	16'-6"	2.779	99.132	2.820	99.132	U					
14	14	68.456	2.585	575.524	16'-10"	6	16'-6"	2.913	99.132	2.953	99.132	Y					
14	16	71.280	3.032	632.963	16'-10"	6	16'-6"	2.970	99.132	3.009	99.132	CC					

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE

 ROAD AND BRIDGE STANDARDS	
SHEET 1 OF 1	REVISION DATE
1001.06	07/11

OVERSIZE BOX CULVERTS

10 TO 20 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE