


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

DIMENSIONS						REINFORCING STEEL																					
SPAN	HGHT	T1	T2	T3		BH1				BH2			BH3				BV1			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	22 3/4"	22 3/4"	14"	11	11'-0"	11	11'-0"	12	12'-0"	5	5"	14'-0"	9'-7"	32'-6"	8	5"	14'-0"	4	5"	5'-7"	10'-10"	8	10"	17'-5"	52	52
12	16	22 3/4"	22 3/4"	17"	11	11'-0"	11	11'-0"	14	14'-0"	6	5"	14'-6"	10'-9"	35'-2"	8	5"	14'-6"	3	5"	6'-0"	11'-8"	6	5"	19'-5"	52	60
14	8	27 3/4"	27 3/4"	9"	13	13'-0"	13	13'-0"	6	6'-0"	4	4 1/2"	15'-2"	6'-10"	28'-4"	8	4 1/2"	15'-1"	--	---	-----	-----	5	9"	12'-3"	60	28
14	10	27 3/4"	27 3/4"	8 1/2"	13	13'-0"	13	13'-0"	8	8'-0"	4	4 1/2"	15'-1"	7'-10"	30'-3"	8	4 1/2"	15'-0"	--	---	-----	-----	7	9"	14'-3"	60	36
14	12	27 3/4"	27 3/4"	11 1/2"	13	13'-0"	13	13'-0"	10	10'-0"	5	4 1/2"	15'-7"	9'-0"	32'-11"	8	4 1/2"	15'-6"	--	---	-----	-----	5	4 1/2"	16'-3"	60	44
14	14	27 3/4"	27 3/4"	14"	13	13'-0"	13	13'-0"	12	12'-0"	6	4 1/2"	16'-0"	10'-2"	35'-6"	8	4 1/2"	16'-0"	--	---	-----	-----	5	4 1/2"	18'-3"	60	52
14	16	27 3/4"	27 3/4"	16 1/2"	13	13'-0"	13	13'-0"	14	14'-0"	5	4 1/2"	16'-5"	11'-0"	37'-9"	8	4 1/2"	16'-5"	4	4 1/2"	6'-5"	12'-6"	8	9"	20'-3"	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	3.219	584.665	14'-10"	6	14'-6"	2.351	87.116	2.382	87.116	Z													
12	16	64.600	3.751	686.358	14'-10"	6	14'-6"	2.314	87.116	2.344	87.116	DD													
14	8	59.984	3.110	410.138	16'-10"	6	16'-6"	2.063	99.132	2.103	99.132	O													
14	10	62.808	3.172	462.500	16'-10"	6	16'-6"	2.281	99.132	2.321	99.132	S													
14	12	65.632	3.577	560.733	16'-10"	6	16'-6"	2.315	99.132	2.354	99.132	W													
14	14	68.456	3.997	682.253	16'-10"	6	16'-6"	2.333	99.132	2.371	99.132	AA													
14	16	71.280	4.483	747.896	16'-10"	6	16'-6"	2.281	99.132	2.318	99.132	EE													

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
1001.08	07/11

OVERSIZE BOX CULVERTS

30 TO 40 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE