

DIMENSIONS																			QUANTITIES										
CLEAR SPAN	CLEAR HEIGHT	DESIGN NO. 1								DESIGN NO. 2								FOR ALL DESIGNS			REINFORCING STEEL			CONCRETE				CLEAR HEIGHT	CLEAR SPAN
		T1	T2	V	P	R	H	W1	T1	T2	V	P	R	H	W1	M	W2	X	LBS. PER LINEAL FT. OF BARREL		WINGWALLS & PARAPETS TOTAL LBS.	CU. YDS. PER L IN. FT. OF BARREL		WINGWALLS & PARAPETS					
																			DESIGN NO. 1	DESIGN NO. 2		DESIGN NO. 1	DESIGN NO. 2	CU. YD. CONC.	Z				
7'	4'	9½"	10"	5'-7"	8'-8"	9'-2"	5'-4"	3'-2½"	11"	10"	5'-10"	8'-8"	9'-2"	5'-6"	3'-4½"	9'-0"	2'-1½"	0	92.6	112.1	499	0.764	0.845	12.59	2'-1½"	4'	7'		
	5'	9½"	10"	6'-7"	8'-8"	9'-6"	6'-4"	3'-9½"	11"	10"	6'-10"	8'-8"	9'-6"	6'-6"	3'-11½"	10'-6"	2'-6½"	0	95.5	115.0	627	0.826	0.906	15.12	2'-1½"	5'			
	6'	9½"	10"	7'-7"	8'-8"	9'-6"	7'-4"	4'-5"	11"	10"	7'-10"	8'-8"	9'-6"	7'-6"	4'-7"	12'-0"	2'-11"	0	104.0	123.7	752	0.880	0.968	17.84	2'-1½"	6'			
	7'	9½"	10"	8'-7"	8'-8"	9'-10"	8'-4"	5'-0"	11½"	12"	8'-11"	9'-0"	9'-10"	8'-6"	5'-2"	13'-6"	3'-4"	0	111.2	133.9	912	0.950	1.167	20.89	2'-1½"	7'			
8'	4'	10"	10"	5'-8"	9'-8"	10'-2"	5'-5"	3'-1½"	12"	10"	6'-0"	9'-8"	10'-2"	5'-7½"	3'-4"	9'-0"	2'-3½"	0	106.6	134.3	515	0.853	0.972	13.08	2'-2"	4'	8'		
	5'	10"	10"	6'-8"	9'-8"	10'-6"	6'-5"	3'-8½"	12"	10"	7'-0"	9'-8"	10'-6"	6'-7½"	3'-11"	10'-6"	2'-8½"	0	109.5	137.2	646	0.915	1.034	15.64	2'-2"	5'			
	6'	10"	10"	7'-8"	9'-8"	10'-6"	7'-5"	4'-4"	12"	10"	8'-0"	9'-8"	10'-6"	7'-7½"	4'-6½"	12'-0"	3'-1"	0	118.1	146.0	770	0.976	1.096	18.38	2'-2"	6'			
	7'	10½"	10"	8'-9"	9'-8"	10'-10"	8'-5"	4'-11"	12½"	12"	9'-1"	10'-0"	10'-10"	8'-7½"	5'-1½"	13'-6"	3'-6"	0	125.5	156.7	932	1.068	1.299	21.45	2'-2½"	7'			
9'	8'	10½"	12"	9'-9"	10'-0"	10'-10"	9'-5"	5'-6"	13"	12"	10'-2"	10'-0"	10'-10"	9'-7½"	5'-8½"	15'-0"	3'-11"	1'-0"	136.9	166.2	2579	1.250	1.404	26.13	2'-2½"	8'	9'		
	4'	11"	10"	5'-10"	10'-8"	11'-2"	5'-6½"	3'-3½"	13"	10"	6'-2"	10'-8"	11'-2"	5'-9"	3'-6"	9'-6"	2'-3"	0	123.0	157.1	556	0.980	1.112	13.95	2'-3"	4'			
	5'	11"	10"	6'-10"	10'-8"	11'-6"	6'-6½"	3'-10½"	13"	10"	7'-2"	10'-8"	11'-6"	6'-9"	4'-1"	11'-0"	2'-8"	0	133.4	160.0	670	1.042	1.174	16.56	2'-3"	5'			
	6'	11"	10"	7'-10"	10'-8"	11'-6"	7'-6½"	4'-5½"	13½"	10"	8'-3"	10'-8"	11'-6"	7'-9"	4'-1"	12'-6"	3'-1"	0	142.1	169.1	820	1.104	1.269	19.38	2'-3"	6'			
	7'	11"	10"	8'-10"	10'-8"	11'-10"	8'-6½"	5'-1"	14"	12"	9'-4"	11'-0"	11'-10"	8'-9"	5'-3½"	14'-0"	3'-5½"	0	149.3	180.1	961	1.166	1.478	22.47	2'-3"	7'	9'		
	8'	11½"	12"	9'-11"	11'-0"	11'-10"	9'-6½"	5'-8"	14"	12"	10'-4"	11'-0"	11'-10"	9'-9"	5'-10½"	15'-6"	3'-10½"	1'-0"	170.4	189.5	2675	1.383	1.552	27.24	2'-3½"	8'			
	9'	11½"	12"	10'-11"	11'-0"	12'-0"	10'-6½"	6'-1"	15"	14"	11'-6"	11'-4"	12'-0"	10'-9"	6'-3½"	16'-6"	4'-5½"	1'-6"	181.4	204.7	3106	1.457	1.836	31.00	2'-3½"	9'			
	10'	11½"	12"	11'-11"	11'-0"	12'-4"	11'-6½"	6'-8"	15"	15"	12'-6"	12'-4"	12'-4"	11'-9"	6'-10½"	18'-0"	4'-10½"	2'-0"	186.6	211.6	3676	1.531	2.000	36.17	2'-3½"	10'			

TRANSVERSE CONSTRUCTION JOINTS PLACED AT ANY OTHER LOCATION NOT SPECIFIED ABOVE SHALL BE FORMED WITH NO LONGITUDINAL REINFORCING STEEL PASSING THROUGH THE JOINTS.	
DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISION	STANDARD REINFORCED CONCRETE BOX CULVERTS SINGLE 7'x4' TO SINGLE 9'x10' FOR DEPTHS OF FILL UP TO 20 FT. NO SCALE
BY	DESIGNED _____ TRACED _____ CHECKED _____ REVISED _____ (SUBMITTED) <i>James A. Kennel</i> STATE ROAD & AIRPORT DESIGN ENGINEER (APPROVED) <i>Paul L. Gault</i> CHIEF ENGINEER
	REV. & REDR. NOV., 2001 NUMBER 2323 SHEET 10F 2

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		REVISION	STANDARD REINFORCED CONCRETE BOX CULVERTS SINGLE 7'x4' TO SINGLE 9'x10' FOR DEPTHS OF FILL UP TO 20 FT. NO SCALE	
		BY	DESIGNED _____ TRACED _____ CHECKED _____ REVISED _____	(SUBMITTED) <i>James A. Kernal</i> STATE ROAD & AIRPORT DESIGN ENGINEER (APPROVED) <i>Paul L. Gault</i> CHIEF ENGINEER
				REV. & REDR. NOV., 2001 NUMBER 2323 SHEET 1 OF 2