

CLEAR SPAN	CLEAR HEIGHT	SIZE	REINFORCING STEEL - 2 WINGS																				CLEAR HEIGHT	CLEAR SPAN	
			SAME FOR ALL DEPTHS OF FILL																						
			75° SKEW																						
			WING A																						
			E BARS AT 12" C. TO C.										F BARS 1/2"DIA. AT 12" C. TO C.												
7'	4'	5/8" DIA.	NUMBER	4	4	4	4	4	2							10	2	2	2						4'
			LENGTH	7'-6"	6'-11"	6'-4"	5'-9"	5'-1"	4'-10"							10'-7"	8'-5"	5'-2"	2'-3"						
	5'	5/8" DIA.	NUMBER	4	4	4	4	4	4	2						10	2	2	2	2					5'
			LENGTH	8'-6"	7'-11"	7'-4"	6'-8"	6'-1"	5'-6"	5'-2"						12'-4"	11'-6"	8'-4"	5'-1"	2'-3"					
7'	6'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	2					12	2	2	2	2					6'
			LENGTH	9'-6"	8'-11"	8'-3"	7'-8"	7'-0"	6'-5"	5'-9"	5'-5"					14'-0"	11'-3"	8'-1"	5'-0"	2'-3"					
	7'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	2					12	2	2	2	2					7'
			LENGTH	11'-8"	10'-11"	10'-2"	9'-4"	8'-7"	7'-9"	6'-11"	6'-1"	5'-8"				16'-6"	14'-2"	11'-1"	7'-11"	4'-11"	2'-3"				
8'	4'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4						10	2	2	2						4'
			LENGTH	7'-7"	7'-0"	6'-5"	5'-10"	5'-3"	4'-7"							10'-11"	8'-9"	5'-5"	2'-3"						
	5'	5/8" DIA.	NUMBER	4	4	4	4	4	4	2						10	2	2	2	2					5'
			LENGTH	8'-7"	8'-0"	7'-5"	6'-9"	6'-2"	5'-7"	5'-3"						12'-7"	11'-10"	8'-7"	5'-3"	2'-3"					
	6'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	2					12	2	2	2	2					6'
			LENGTH	9'-7"	9'-0"	8'-5"	7'-9"	7'-1"	6'-6"	5'-10"	5'-7"					14'-3"	11'-8"	8'-5"	5'-2"	2'-3"					
	7'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	2					12	2	2	2	2	2				7'
			LENGTH	11'-9"	11'-0"	10'-3"	9'-6"	8'-8"	7'-10"	7'-1"	6'-4"	5'-11"				16'-9"	14'-8"	11'-6"	8'-4"	5'-3"	2'-3"				
9'	8'	7/8" DIA.	NUMBER	4	4	4	4	4	4	4	2					12	2	2	2	2	2	2			8'
			LENGTH	13'-7"	12'-10"	11'-11"	11'-0"	10'-2"	9'-5"	8'-7"	7'-9"	6'-11"	6'-7"			18'-5"	17'-10"	14'-10"	11'-7"	8'-5"	5'-3"	2'-3"			
	4'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4						10	2	2	2						4'
			LENGTH	7'-8"	7'-1"	6'-6"	5'-11"	5'-4"	4'-9"							11'-2"	9'-2"	5'-9"	2'-4"						
	5'	5/8" DIA.	NUMBER	4	4	4	4	4	4	2						10	2	2	2	2					5'
			LENGTH	8'-8"	8'-1"	7'-6"	6'-10"	6'-3"	5'-8"	5'-4"						12'-7"	12'-2"	8'-10"	5'-7"	2'-3"					
	6'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	2					12	2	2	2	2					6'
			LENGTH	9'-8"	9'-1"	8'-6"	7'-10"	7'-2"	6'-8"	6'-0"	5'-8"					14'-6"	12'-1"	8'-10"	5'-6"	2'-4"					
9'	7'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4					12	2	2	2	2	2				7'
			LENGTH	11'-10"	11'-1"	10'-4"	9'-7"	8'-9"	8'-0"	7'-2"	6'-6"	5'-8"				17'-0"	15'-2"	11'-11"	8'-8"	5'-6"	2'-3"				
	8'	7/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4				12	2	2	2	2	2	2			8'
			LENGTH	13'-8"	12'-11"	12'-0"	11'-1"	10'-3"	9'-6"	8'-8"	7'-10"	7'-0"	6'-8"				18'-8"	18'-1"	14'-11"	11'-9"	8'-7"	5'-5"	2'-3"		
	9'	7/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4	2			14	2	2	2	2	2	2			9'
			LENGTH	15'-5"	14'-6"	13'-8"	12'-9"	11'-9"	10'-11"	10'-0"	9'-1"	8'-3"	7'-4"	6'-10"			20'-3"	17'-11"	14'-9"	11'-8"	8'-7"	5'-5"	2'-3"		
	10'	7/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4	4	2		14	2	2	2	2	2	2	2		
			LENGTH	16'-4"	15'-6"	14'-8"	13'-9"	12'-11"	12'-0"	11'-1"	10'-3"	9'-3"	8'-5"	7'-7"	7'-1"		21'-11"	20'-10"	17'-8"	14'-8"	11'-6"	8'-5"	5'-3"	2'-3"	

BOX CULVERT REQUIREMENTS:

MINIMUM FILL HEIGHT FROM TOP OF CULVERT TO BOTTOM OF BASE WITHIN TRAVELWAY SHALL BE 12 INCHES.

MAXIMUM POUR LENGTH SHALL NOT EXCEED 30 FEET ALONG THE LENGTH OF THE CULVERT.

TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN THE BARREL, NORMAL TO THE CENTERLINE OF CULVERT, AT THE OUTSIDE SHOULDER BREAK POINTS. LONGITUDINAL BARREL REINFORCING STEEL SHALL NOT BE CONTINUOUS THROUGH THESE JOINTS, PROVIDED THAT THE JOINTS ARE MORE THAN 15 FEET FROM THE BARREL ENDS. WHEN TRANSVERSE CONSTRUCTION JOINTS OCCUR WITHIN 15 FEET OF THE BARREL ENDS OR WITHIN THE LIMITS OF THE PAVEMENT, THE LONGITUDINAL BARREL REINFORCING SHALL THEN BE CONTINUOUS THROUGH SUCH JOINTS. THE MINIMUM LENGTH OF LAP SPLICE FOR LONGITUDINAL REINFORCING SHALL BE 24 INCHES.

TRANSVERSE CONSTRUCTION JOINTS PLACED AT ANY OTHER LOCATION NOT SPECIFIED ABOVE SHALL BE FORMED WITH NO LONGITUDINAL REINFORCING STEEL PASSING THROUGH THE JOINTS.

GENERAL NOTES

SPECIFICATIONS-GEORGIA STANDARD.

THIS PLAN IS NOT COMPLETE IN ITSELF-FOR GENERAL NOTES, DETAILS AND DIMENSIONS NOT SHOWN, SEE GEORGIA STANDARD NO. 2323 FOR SINGLE CULVERT AND GEORGIA STANDARD NO. 2326 FOR DOUBLE AND TRIPLE CULVERTS.

△ QUANTITIES-FOR WINGWALLS AND PARAPETS, SEE GEORGIA STANDARD NO. 2331.

QUANTITIES-FOR BARREL TO REMAIN AS SHOWN ON GEORGIA STANDARDS NO. 2323 AND 2326.

DESIGN DATA

LOADING-TYPICAL H20S16-44 AND/OR MILITARY SPECIFICATIONS-A.A.S.H.O. 1957, T58

CLEAR SPAN	CLEAR HEIGHT	SIZE	REINFORCING STEEL - 2 WINGS																									CLEAR HEIGHT	CLEAR SPAN
			SAME FOR ALL DEPTHS OF FILL																										
			60° SKEW																										
			WING B																										
			E BARS AT 12"C. TO C. SIZES AS SHOWN FOR WING A															F BARS 1/2"DIA. AT 12"C. TO C.											
7'	4'	5/8" DIA.	NUMBER	4	4	4	4	4	4									8	2	2	2	2					4'		
			LENGTH	7'-7"	6'-11"	6'-4"	5'-8"	5'-1"	4'-5"	3'-10"									13'-7"	11'-6"	8'-4"	5'-2"	2'-3"						
	5'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4								8	2	2	2	2	2				5'	
			LENGTH	8'-7"	7'-11"	7'-4"	6'-8"	6'-0"	5'-5"	4'-9"	4'-1"									15'-7"	14'-6"	11'-4"	8'-2"	5'-1"	2'-3"				
7'	6'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4							10	2	2	2	2	2				6'	
			LENGTH	9'-7"	8'-11"	8'-4"	7'-8"	7'-0"	6'-5"	5'-9"	5'-1"	4'-5"								17'-7"	14'-6"	11'-4"	8'-3"	5'-1"	2'-3"				
	7'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4	4	4	2				8	2	2	2	2	2	2	2		7'	
			LENGTH	11'-8"	10'-11"	10'-2"	9'-5"	8'-7"	7'-10"	7'-0"	6'-4"	5'-6"	4'-8"	4'-3"						20'-7"	20'-1"	17'-1"	14'-1"	11'-1"	8'-0"	5'-0"	2'-3"		
8'	4'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4									8	2	2	2	2					4'	
			LENGTH	7'-8"	7'-0"	6'-5"	5'-10"	5'-2"	4'-7"	3'-11"										13'-7"	11'-9"	8'-8"	5'-5"	2'-3"					
	5'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	2							8	2	2	2	2	2				5'	
			LENGTH	8'-7"	8'-1"	7'-5"	6'-10"	6'-2"	5'-7"	4'-11"	4'-3"	4'-0"								16'-1"	15'-0"	11'-11"	8'-8"	5'-6"	2'-3"				
	6'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4	2							10	2	2	2	2	2			6'	
			LENGTH	9'-7"	9'-0"	8'-5"	7'-10"	7'-2"	6'-6"	5'-11"	5'-3"	4'-7"	4'-3"								18'-1"	14'-11"	11'-10"	8'-7"	5'-4"	2'-3"			
	7'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4	4	4	4				8	2	2	2	2	2	2			7'	
			LENGTH	11'-9"	11'-0"	10'-3"	9'-7"	8'-9"	8'-0"	7'-2"	6'-5"	5'-8"	4'-10"	4'-1"							21'-1"	20'-7"	17'-7"	14'-7"	11'-5"	8'-4"	5'-3"	2'-3"	
9'	8'	7/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4	4	4	4	4	4		10	2	2	2	2	2	2			8'	
			LENGTH	13'-7"	12'-10"	12'-0"	11'-2"	10'-5"	9'-7"	8'-10"	8'-0"	7'-2"	6'-5"	5'-7"	4'-9"					23'-1"	20'-8"	17'-7"	14'-6"	11'-4"	8'-3"	5'-2"	2'-4"		
	4'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	2								8	2	2	2	2					4'	
			LENGTH	7'-8"	7'-1"	6'-6"	5'-11"	5'-3"	4'-8"	4'-1"	3'-10"									14'-1"	12'-4"	9'-1"	5'-8"	2'-4"					
	5'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	2							8	2	2	2	2	2				5'	
			LENGTH	8'-8"	8'-1"	7'-6"	6'-10"	6'-3"	5'-7"	5'-0"	4'-4"	4'-1"								16'-1"	15'-3"	12'-1"	8'-11"	5'-8"	2'-4"				
	6'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	2							10	2	2	2	2	2				6'	
			LENGTH	9'-8"	9'-1"	8'-5"	7'-10"	7'-2"	6'-6"	5'-11"	5'-3"	4'-7"	4'-3"							18'-1"	14'-11"	11'-10"	8'-7"	5'-5"	2'-4"				
9'	7'	5/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4	4	4	4				8	2	2	2	2	2	2	2		7'	
			LENGTH	11'-10"	11'-1"	10'-4"	9'-7"	8'-9"	8'-1"	7'-3"	6'-6"	5'-9"	4'-11"	4'-2"						21'-1"	20'-10"	17'-9"	14'-8"	11'-7"	8'-6"	5'-5"	2'-4"		
	8'	7/8" DIA.	NUMBER	4	4	4	4	4	4	4	4	4	4	4	4	4			10	2	2	2	2	2	2	2		8'	
			LENGTH	13'-8"	12'-11"	12'-1"	11'-3"	10'-5"	9'-7"	8'-10"	8'-0"	7'-2"	6'-5"	5'-7"	4'-9"					23'-1"	20'-8"	17'-8"	14'-7"	11'-6"	8'-5"	5'-5"	2'-4"		
	9'	7/8" DIA.	NUMBER	6	2	4	4	4	4	4	4	4	4	4	4	4	4	2		10	2	2	2	2	2	2	2		
			LENGTH	15'-5"	15'-1"	14'-3"	13'-4"	12'-5"	11'-8"	10'-10"	9'-11"	9'-1"	8'-2"	7'-4"	6'-5"	5'-8"	5'-2"			26'-8"	24'-11"	21'-11"	18'-10"	15'-8"	12'-7"	9'-7"	6'-6"	3'-4"	
10'	7/8" DIA.	NUMBER	6	2	4	4	4	4	4	4	4	4	4	4	4	4	4	10	2	2	2	2	2	2	2	2			
		LENGTH	16'-5"	16'-1"	15'-3"	14'-6"	13'-7"	12'-9"	11'-11"	11'-1"	10'-3"	9'-5"	8'-7"	7'-9"	6'-11"	6'-0"	5'-3"	29'-2"	28'-2"	25'-1"	22'-0"	18'-10"	15'-10"	12'-10"	9'-8"	6'-7"	3'-5"		