

CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.
	2000	

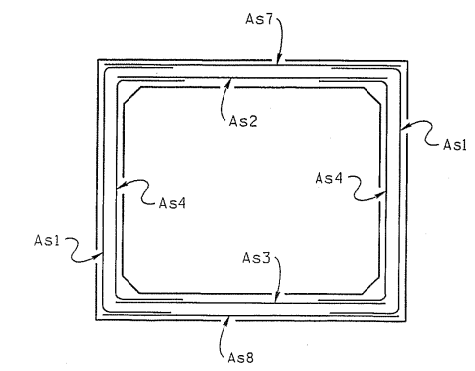
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

12' x 6' BOX SECTION	EARTH COVER	WALL THICKNESS			CIRCUMFERENTIAL REINFORCEMENT AREA								DISTRIBUTION AREA	
		TOP SLAB	BOTTOM SLAB	WALLS	As1	As2	As3	As4	As7	As8	As5	As6		
		10"	10"	10"	As1	As2	As3	As4	As7	As8	As5	As6		
0-2'	10"	10"	10"	0.39	0.48	0.36	0.24	0.24	0.24	0.24	0.24	0.24		
2'	10"	10"	10"	0.39	0.44	0.40	0.24	0.24	0.24					
3'	10"	10"	10"	0.36	0.39	0.38	0.24	0.24	0.24					
4'	10"	10"	10"	0.37	0.39	0.40	0.24	0.24	0.24					
5'	10"	10"	10"	0.35	0.39	0.39	0.24	0.24	0.24					
6'	10"	10"	10"	0.38	0.41	0.42	0.24	0.24	0.24					
8'	10"	10"	10"	0.44	0.48	0.49	0.24	0.24	0.24					
10'	10"	10"	10"	0.50	0.54	0.56	0.24	0.24	0.24					
12'	10"	10"	10"	0.57	0.62	0.64	0.24	0.24	0.24					
14'	10"	10"	10"	0.65	0.79	0.83	0.24	0.24	0.24					

12' x 8' BOX SECTION	EARTH COVER	WALL THICKNESS			CIRCUMFERENTIAL REINFORCEMENT AREA								DISTRIBUTION AREA	
		TOP SLAB	BOTTOM SLAB	WALLS	As1	As2	As3	As4	As7	As8	As5	As6		
		10"	10"	10"	As1	As2	As3	As4	As7	As8	As5	As6		
0-2'	10"	10"	10"	0.35	0.50	0.41	0.24	0.24	0.24	0.24	0.24	0.24		
2'	10"	10"	10"	0.35	0.48	0.45	0.24	0.24	0.24					
3'	10"	10"	10"	0.32	0.43	0.43	0.24	0.24	0.24					
4'	10"	10"	10"	0.33	0.43	0.46	0.24	0.24	0.24					
5'	10"	10"	10"	0.31	0.43	0.44	0.24	0.24	0.24					
6'	10"	10"	10"	0.34	0.45	0.48	0.24	0.24	0.24					
8'	10"	10"	10"	0.39	0.52	0.56	0.24	0.24	0.24					
10'	10"	10"	10"	0.44	0.59	0.62	0.24	0.24	0.24					
12'	10"	10"	10"	0.50	0.71	0.80	0.24	0.24	0.24					
14'	10"	10"	10"	0.56	0.96	1.04	0.24	0.24	0.24					

12' x 10' BOX SECTION	EARTH COVER	WALL THICKNESS			CIRCUMFERENTIAL REINFORCEMENT AREA								DISTRIBUTION AREA	
		TOP SLAB	BOTTOM SLAB	WALLS	As1	As2	As3	As4	As7	As8	As5	As6		
		10"	10"	10"	As1	As2	As3	As4	As7	As8	As5	As6		
0-2'	10"	10"	10"	0.32	0.54	0.47	0.30	0.24	0.24	0.24	0.24	0.24		
2'	10"	10"	10"	0.31	0.51	0.50	0.24	0.24	0.24					
3'	10"	10"	10"	0.29	0.45	0.48	0.24	0.24	0.24					
4'	10"	10"	10"	0.30	0.46	0.50	0.24	0.24	0.24					
5'	10"	10"	10"	0.29	0.45	0.48	0.24	0.24	0.24					
6'	10"	10"	10"	0.31	0.47	0.52	0.24	0.24	0.24					
8'	10"	10"	10"	0.36	0.55	0.60	0.24	0.24	0.24					
10'	10"	10"	10"	0.40	0.63	0.77	0.24	0.24	0.24					
12'	10"	10"	10"	0.45	0.88	1.02	0.24	0.24	0.24					
14'	10"	10"	10"	0.57	1.14	1.27	0.24	0.24	0.24					

12' x 12' BOX SECTION	EARTH COVER	WALL THICKNESS			CIRCUMFERENTIAL REINFORCEMENT AREA								DISTRIBUTION AREA	
		TOP SLAB	BOTTOM SLAB	WALLS	As1	As2	As3	As4	As7	As8	As5	As6		
		10"	10"	10"	As1	As2	As3	As4	As7	As8	As5	As6		
0-2'	10"	10"	10"	0.40	0.56	0.53	0.47	0.24	0.24	0.24	0.24	0.24		
2'	10"	10"	10"	0.30	0.56	0.56	0.29	0.24	0.24					
3'	10"	10"	10"	0.27	0.49	0.53	0.25	0.24	0.24					
4'	10"	10"	10"	0.28	0.49	0.56	0.24	0.24	0.24					
5'	10"	10"	10"	0.28	0.48	0.53	0.24	0.24	0.24					
6'	10"	10"	10"	0.30	0.50	0.57	0.24	0.24	0.24					
8'	10"	10"	10"	0.35	0.59	0.70	0.24	0.24	0.24					
10'	10"	10"	10"	0.42	0.71	0.91	0.24	0.24	0.24					
12'	10"	10"	10"	0.69	0.97	1.16	0.24	0.24	0.24					



TYPICAL SECTION

NOTE: CAGES MUST OVERLAP A MINIMUM OF 14 INCHES.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
**PRECAST
BOX CULVERT DETAILS**

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 14:23

DESIGNED BY _____ DATE _____
 DRAWN BY KLF / MDB DATE 12-99
 SUPERVISED BY RLH/CMH/MAH DATE 12-99
 CHECKED BY _____ DATE _____

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

2000