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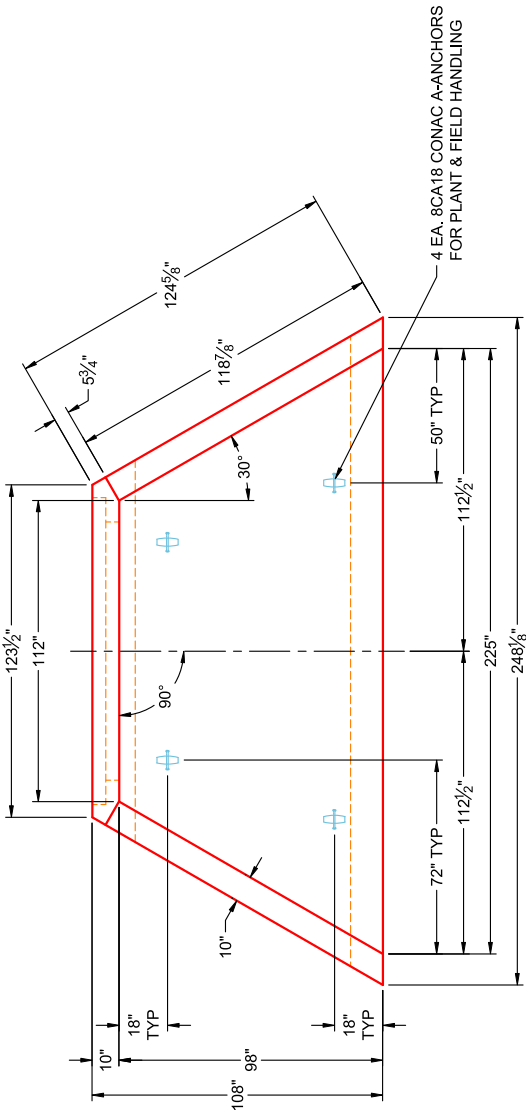
Structure ID: St. 43+62 HW (2)

P1 HWCUSTOM

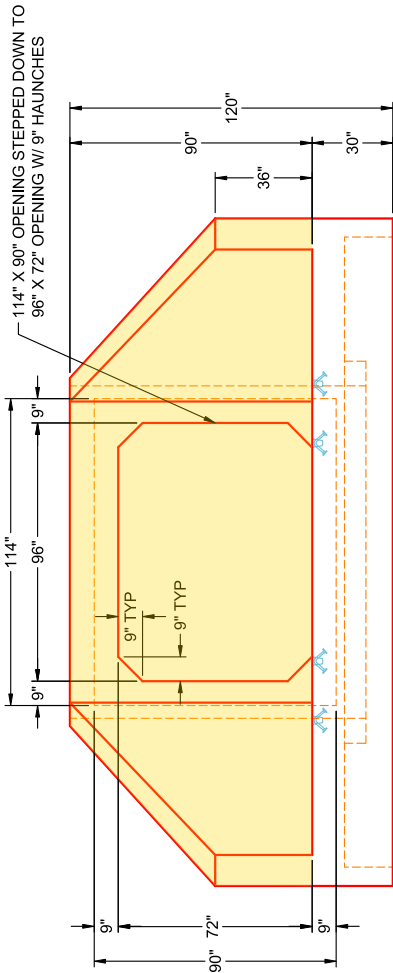
96" x 72" - BOX CULVERT HEADWALL F/F

GENERAL NOTES:

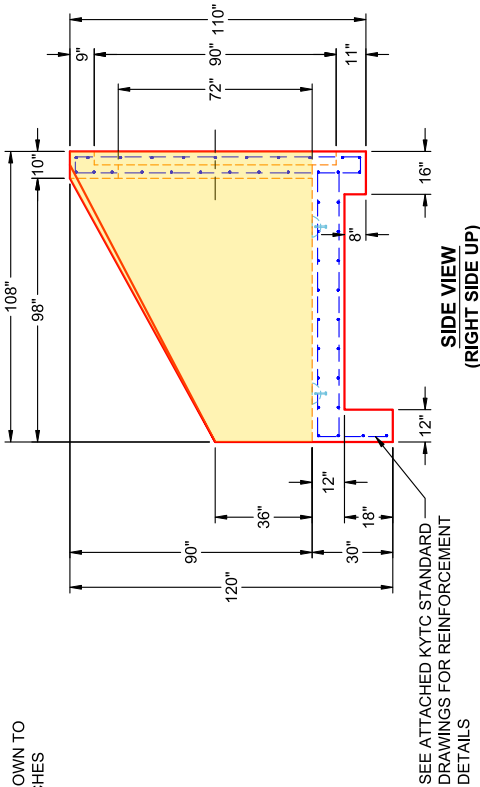
- DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWINGS RDH-1005-02, RDH-1105-02, RDH-1200-02, & RDH-1302-03
- REINFORCEMENT PER KYTC STANDARD DRAWINGS RDH-1005-02, RDH-1200-02, & RDH-1302-03 - 2" MIN. REBAR CLEARANCE (TYP)
- CONCRETE: 5,000 PSI AT 28 DAYS
- TOTAL WEIGHT: 40,775 LBS
- FIRST POUR: 25,575 LBS
- SECOND POUR: 15,200 LBS



PLAN VIEW
(RIGHT SIDE UP)



FRONT VIEW
(RIGHT SIDE UP)



SIDE VIEW
(RIGHT SIDE UP)

PRODUCTION WORK ORDER		PRODUCT I.D.: HWCUSTOM	DESCRIPTION: 96" X 72" BOX CULVERT HEADWALL - 0° SKEW
ICAST INFRASTRUCTURE PRECAST	QUALITY CONTROL CHECKLIST		CUSTOMER: JIM SMITH CONTRACTING
	☐ ALL DIMENSIONS CORRECT.		PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)
	☐ ALL DIMENSIONS CORRECT.		STRUCTURE: ST. 43+62 HW (2)
	☐ LIFTERS INSTALLED		ORDER NO: 24-1643B
	☐ OPENING CENTERED.		PE: J.H. ROSS
☐ REINFORCING CORRECT.		TOP SECTION JOINT: N / A	DRAWING: K. CARDWELL
☐ SURFACE QUALITY ACCEPTABLE.		BASE SECTION JOINT: N / A	SCALE: NTS
☐ EDGES CHAMFERED.		QC CHECK INITIALS:	PG. 1 OF 1
☐ ALL PATCHWORK ACCEPTABLE.		DATE: 05/28/26	

DIMENSION	PRECAST BOX CULVERT														DIMENSION		
	7'x4'	7'x5'	7'x6'	7'x7'	8'x4'	8'x5'	8'x6'	8'x7'	8'x8'	9'x5'	9'x6'	9'x7'	9'x8'	9'x9'			
	6'-0"	7'-0"	8'-2"	9'-2"	6'-0"	7'-0"	8'-2"	9'-2"	10'-2"	7'-2"	8'-4"	9'-4"	10'-4"	11'-4"	A		
	2'-0"	2'-6"	3'-0"	3'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	B		
	5'-4"	6'-4"	7'-6"	8'-6"	5'-4"	6'-4"	7'-6"	8'-6"	9'-6"	6'-5"	7'-7"	8'-7"	9'-7"	10'-7"	C		
	8'-4"				9'-4"				10'-6"						E		
	6'-11"	8'-1"	9'-5"	10'-7"	6'-11"	8'-1"	9'-5"	10'-7"	11'-9"	8'-3"	9'-7"	10'-9"	11'-11"	13'-1"	F		
	15'-3"	16'-5"	17'-9"	18'-11"	16'-3"	17'-5"	18'-9"	19'-11"	21'-1"	18'-9"	20'-1"	21'-3"	22'-5"	23'-7"	H		
	7'-8"	8'-2"	8'-11"	9'-6"	8'-2"	8'-8"	9'-5"	10'-0"	10'-6"	9'-5"	10'-1"	10'-8"	11'-3"	11'-10"	J		
	0'-5"	0'-6"			0'-5"		0'-6"			0'-5"		0'-6"			M		
					0'-8"										0'-9"		T
	1'-0"														U		
	0'-8"	1'-0"			0'-8"			1'-0"			0'-8"		1'-0"			V	
	0'-8"	0'-10"			0'-8"			0'-10"			0'-8"		0'-10"			W	
	----	2'-0"			----			2'-0"			2'-0"		2'-6"			X	
	2'-0"	2'-6"			2'-0"			2'-6"			2'-0"		3'-0"			Y	
	----	1'-3"			----			1'-3"			1'-3"		1'-9"			Z	

KENTUCKY DEPARTMENT OF HIGHWAYS	
DIMENSIONS 7'x4' - 9'x9' HEADWALLS PRECAST BOX CULVERT 0° SKEW	
STANDARD DRAWING NO. RDH-1105-02	
SUBMITTED _____	SECTION ENGINEER OF DESIGN _____ DATE _____
APPROVED _____	STATE HIGHWAY ENGINEER _____ DATE _____

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS		
	②	③	④	⑤	⑥	⑦	⑧	
3 X 2	3.17	0.82	—	—	—	271	—	—
3 X 3	4.39	0.94	—	—	—	365	—	—
4 X 2	3.74	0.96	—	—	—	311	—	—
4 X 3	5.06	1.07	—	—	—	389	—	—
4 X 4	6.60	1.18	—	—	—	497	—	—
5 X 3	5.76	1.20	—	—	—	430	—	—
5 X 4	7.39	1.32	—	—	—	576	—	—
5 X 5	9.24	1.43	—	—	—	681	—	—
6 X 3	6.51	1.34	—	—	—	483	—	—
6 X 4	8.22	1.45	—	—	—	603	—	—
6 X 5	10.16	1.57	—	—	—	738	—	—
6 X 6	19.81	2.39	2.24	3.26	18.43	1619	273	—
7 X 4	9.10	1.59	—	—	—	652	—	—
7 X 5	11.13	1.70	—	—	—	796	—	—
7 X 6	21.08	2.54	2.56	3.43	19.40	1678	292	—
7 X 7	24.13	2.67	3.00	3.69	22.15	2092	353	—
8 X 4	9.59	1.68	—	—	—	693	—	—
8 X 5	11.67	1.80	—	—	—	805	—	—
8 X 6	21.80	2.65	2.78	3.54	19.90	1736	325	—
8 X 7	24.88	2.78	3.25	3.80	22.64	2117	350	—
8 X 8	31.42	4.03	3.34	5.47	29.52	2749	427	—

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS		
	②	③	④	⑤	⑥	⑦	⑧	
9 X 5	12.70	1.93	—	—	—	877	—	—
9 X 6	23.13	2.81	3.12	3.71	20.91	1791	327	—
9 X 7	26.26	2.93	3.62	3.97	23.68	2204	397	—
9 X 8	33.01	4.23	3.73	5.70	30.75	2846	479	—
9 X 9	36.81	4.40	4.25	6.04	34.20	3431	509	—
10 X 5	13.79	2.07	—	—	—	971	—	—
10 X 6	24.50	2.96	3.47	3.89	21.96	1972	376	—
10 X 7	27.69	3.09	4.00	4.14	24.75	2419	444	—
10 X 8	34.64	4.43	4.12	5.93	32.01	3081	482	—
10 X 9	38.50	4.60	4.68	6.27	35.49	3539	565	—
10 X 10	53.89	7.29	5.40	9.95	51.16	4748	674	—
11 X 4	12.60	2.09	—	—	—	870	—	—
11 X 6	25.92	3.11	3.83	4.06	23.04	2049	413	—
11 X 8	36.32	4.63	4.53	6.16	33.32	3180	534	—
11 X 10	56.04	7.59	5.89	10.29	52.85	4801	677	—
11 X 11	69.84	7.77	6.93	10.66	65.81	5688	778	—
12 X 4	13.72	2.22	—	—	—	903	—	—
12 X 6	27.39	3.26	4.19	4.23	24.17	2134	457	—
12 X 8	38.05	4.84	4.94	6.39	34.66	3424	587	—
12 X 10	60.16	7.88	6.38	10.62	56.52	5075	740	—
12 X 12	92.85	8.01	8.83	10.98	86.98	6916	929	—

① PRECAST CONCRETE BOX CULVERT SECTIONS EQUALS THE INTERIOR SPAN (S) BY THE INTERIOR RISE (R) IN FEET.

② CU. YDS. OF CONCRETE IN TWO HEADWALLS WITH PAVING.

③ CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITH PAVING).

④ CU. YDS. OF CONCRETE IN TWO PAVED AREAS OF THE HEADWALLS.

⑤ CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITHOUT PAVING).

⑥ CU. YDS. OF CONCRETE IN TWO HEADWALLS WITHOUT PAVING.

⑦ POUNDS OF REINFORCING STEEL IN TWO HEADWALLS WITH PAVING.

⑧ POUNDS OF REINFORCING STEEL TO DEDUCT WHEN PAVING FOR TWO HEADWALLS IS ELIMINATED.

KENTUCKY
DEPARTMENT OF HIGHWAYS

QUANTITIES
3' x 2' - 12' x 12' H-WALLS
PRECAST BOX CULVERTS
0° SKEW

STANDARD DRAWING NO. RDH-1200-02

SUBMITTED: _____ DATE: _____
APPROVED: _____ STATE HIGHWAY ENGINEER _____

