



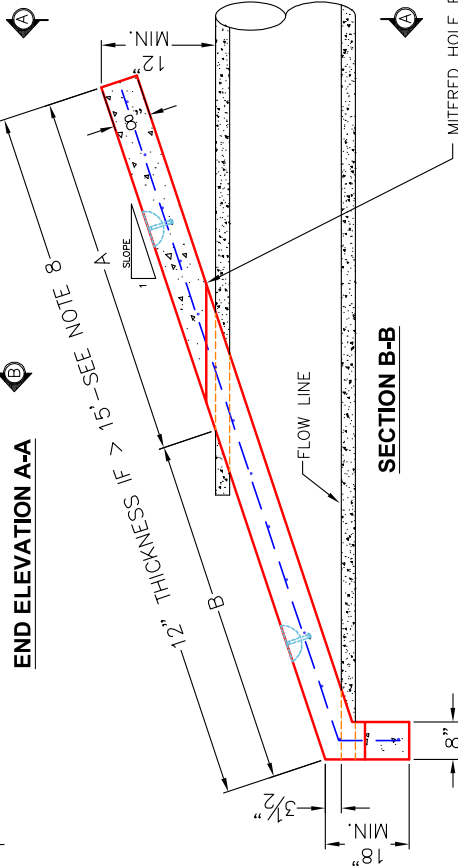
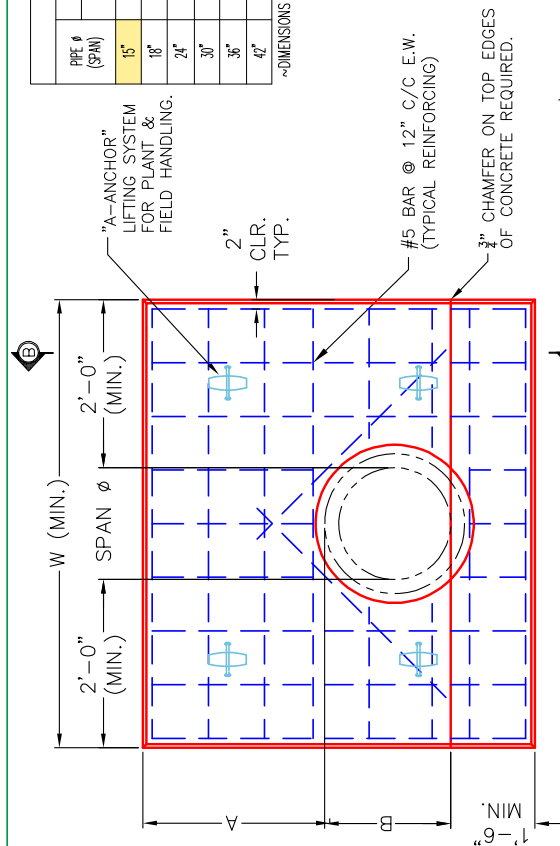
Structure ID: ICAST LI9 (2)

P1 HWCUSTOM

15" - HW SLOPED & MITERED 6:1 F/F

DIMENSIONS & CONCRETE QUANTITIES FOR PIPE WITH A 0° SKEW											
PIPE Ø (SPAN)	3:1 SLOPE			4:1 SLOPE			6:1 SLOPE			GRATE REQUIRED	
	A	B	W	A	B	W	A	B	W	WEIGHT	
15"	3'-0"	3'-8"	5'-3"	4'-0"	4'-9"	5'-3"	6'-0"	7'-0"	5'-3"	5,075 lbs.	NO
18"	3'-0"	4'-6"	5'-6"	4'-0"	5'-10"	5'-6"	6'-0"	8'-0"	5'-6"	5,700 lbs.	NO
24"	3'-0"	6'-4"	6'-0"	4'-0"	8'-0"	5,700 lbs.	6'-0"	12'-0"	6'-0"	7,300 lbs.	NO
30"	3'-0"	8'-0"	6'-4"	4'-0"	10'-4"	6,725 lbs.	NOT AVAILABLE AS PRECAST	NOT AVAILABLE AS PRECAST	NOT AVAILABLE AS PRECAST	8,900 lbs.	
36"	3'-0"	9'-8"	7'-0"	4'-0"	12'-8"	8,100 lbs.	NOT AVAILABLE AS PRECAST	NOT AVAILABLE AS PRECAST	NOT AVAILABLE AS PRECAST	17,200 lbs.	
42"	3'-0"	11'-4"	7'-6"	4'-0"	14'-10"	9,550 lbs.	NOT AVAILABLE AS PRECAST	NOT AVAILABLE AS PRECAST	NOT AVAILABLE AS PRECAST	20,500 lbs.	

~DIMENSIONS & CONCRETE QUANTITIES ARE APPROXIMATE AND SHALL BE ADJUSTED AS NEEDED.



MITERED HOLE FORMER REQUIRED FOR CORRESPONDING PIPE Ø TO ALLOW FOR 1 1/2" TO 2" OF NON-SHRINK GROUT TO BE PLACED AROUND THE OUTSIDE OF MITERED PIPE ON SITE.

~NOTES:

1. CONCRETE: KYTC APPROVED.
2. REINFORCING: #5 BAR @ 12" C/C E.W. - GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. LIFTING ANCHOR POCKETS TO BE GROUTED WITH KYTC APPROVED NON-SHRINK GROUT.
5. DRAWING TO BE USED IN CONJUNCTION WITH KYTC DRAWINGS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. 3/4" CHAMFER REQUIRED ON ALL EXPOSED EDGES.
7. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF MITERED (SKEWED) PIPE + 3"-4".
8. HEADWALL LENGTHS THAT ARE IN EXCESS OF 15' SHALL BE 12" THICK.
9. THE FOLLOWING SITUATIONS REQUIRE A HEADWALL WITH A GRATE (NOT SHOWN):
 - 24" Ø PIPE ON A GREATER THAN 30° SKEW (SEE DWG. SM-HWS FOR DETAILS).
 - 30" Ø PIPE ON A GREATER THAN 15° SKEW (SEE DWG. SM-HWS FOR DETAILS).
 - PIPE WITH GREATER THAN 30° Ø.
 - ELLIPTICAL PIPE GREATER THAN 24" EQUIVALENT DIAMETER.



INFRASTRUCTURE PRECAST, INC.
981 WEST 7TH ST., BEAVER DAM, KY. 42320
PHONE: (270) 363-2238, FAX: (270) 298-7424

KYTC SLOPED & MITERED
PRECAST CONCRETE HEADWALL

DRAWING NO.: ET-KYTC-130 | DATE: 01-14-25

REVIEWED BY: J.H. ROSS, PE | DRAWN BY: N. RICHARDS

WEB: WWW.ICASTING.COM | SCALE: NTS