



Structure ID: 10 HW - 2

P1 HWSFBIO18

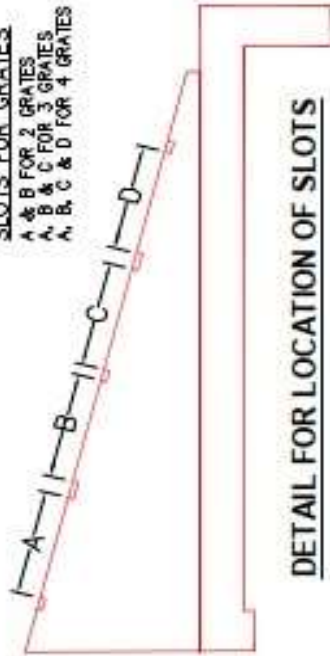
18" - SLOPED & FLARED BOX I/O F/F

NOTES:

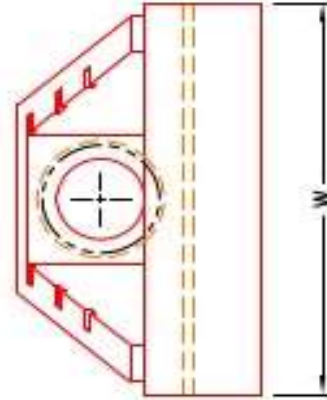
1. CONCRETE: KYTC APPROVED.
2. REINFORCING: #5 BAR @ 12" C/C E.W.-GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED.
5. WITH KYTC APPROVED NON-SHRINK GROUT.
6. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWINGS RDB-105-06 & RDB-106-05 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. 2" CHAMFER ON ALL EXPOSED EDGES.
8. PERFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3"-4".

SLOTS FOR GRATES

- A & B FOR 2 GRATES
- A, B & C FOR 3 GRATES
- A, B, C & D FOR 4 GRATES



DETAIL FOR LOCATION OF SLOTS



FRONT ELEVATION

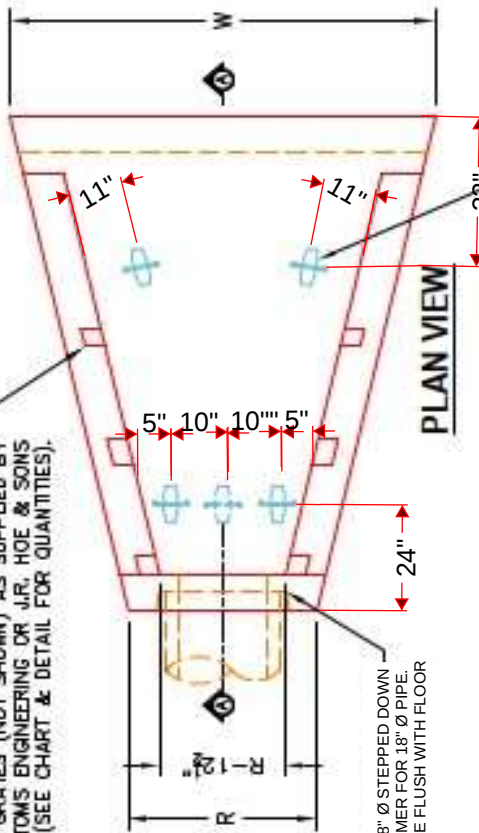


INFRASTRUCTURE PRECAST, INC.
941 WEST 7TH ST. BEAVER DAM, KY. 42320
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KYTC 15"-36" SLOPED & FLARED
BOX INLET-OUTLET HEADWALL (NO SKEW)

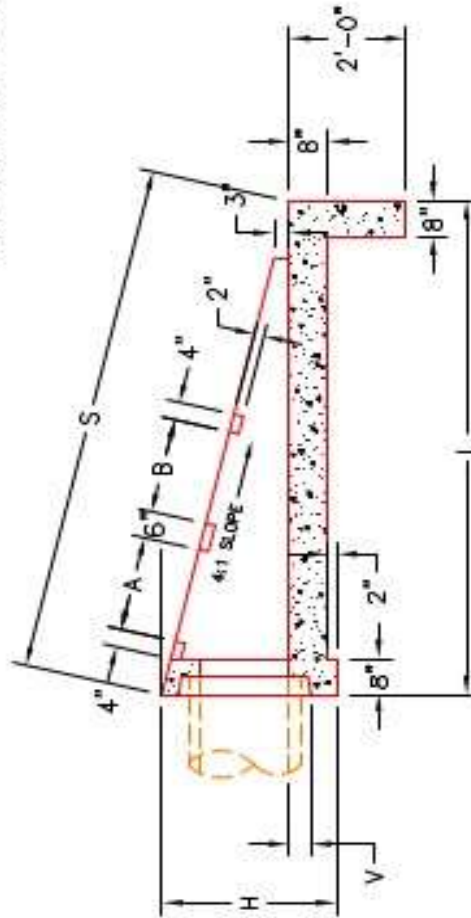
DRAWING NO: ET-KYTC-124 DATE: 01-14-25
REVIEWED BY: J.H. ROSS, PE DRAWN BY: N. RICHARDS
WEB: WWW.IPCASTING.COM SCALE: NTS

SLOTS AS REQUIRED FOR STRUCTURAL STEEL GRATES (NOT SHOWN) AS SUPPLIED BY BOTTOM'S ENGINEERING OR J.R. HOE & SONS (SEE CHART & DETAIL FOR QUANTITIES).



23" Ø TO 18" Ø STEPPED DOWN HOLE FORMER FOR 18" Ø PIPE. 18" Ø TO BE FLUSH WITH FLOOR

A-ANCHOR LIFTING SYSTEM FOR PLANT & FIELD HANDLING. (SEE CHART FOR TYPE & QTY.)



SECTION A-A

DIMENSIONS

PIPE Ø	H	L	S	R	V	W	A	B	C	D	NO. GRATES X 3"	CONCRETE YD ³	LBS. #4 BAR	LIFTING ANCHORS
15"	36"	102"	102"	35 1/2"	4"	87"	21"	21"	---	---	2 EA.	1.8	81	3 EA. CONMAC 80A18
18"	36"	102"	102"	35 1/2"	4"	87"	21"	21"	---	---	2 EA.	1.8	81	3 EA. CONMAC 80A18
24"	42"	118"	118"	42 1/2"	5"	107"	33"	33"	---	---	2 EA.	2.7	111	4 EA. CONMAC 80A18
30"	50"	134"	134"	49 1/2"	6"	127"	33"	33"	21"	---	1 EA.	3.8	148	4 EA. CONMAC 80A18
36"	57"	180"	186 1/2"	56 1/2"	6"	147"	33"	33"	21"	21"	2 EA.	5.1	187	4 EA. CONMAC 80A18