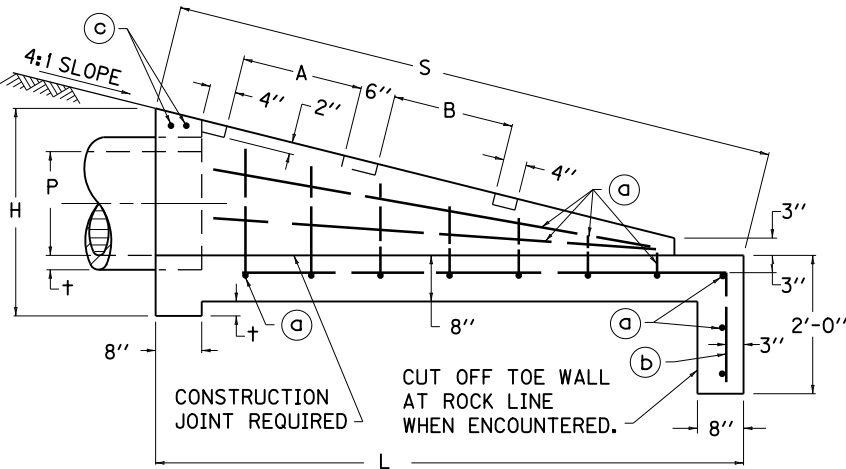
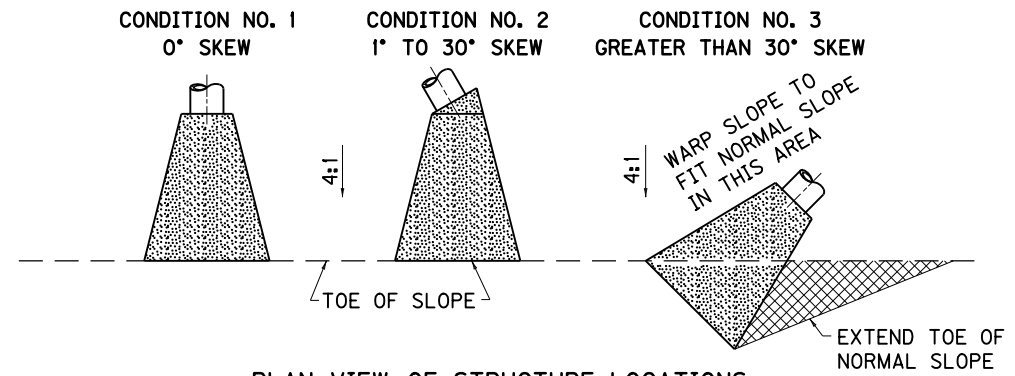


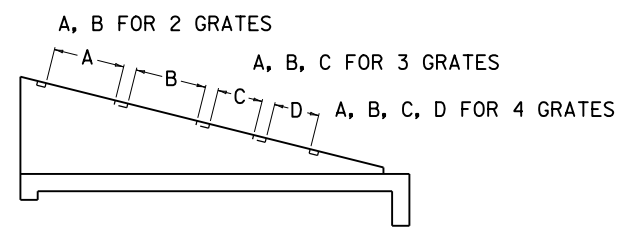
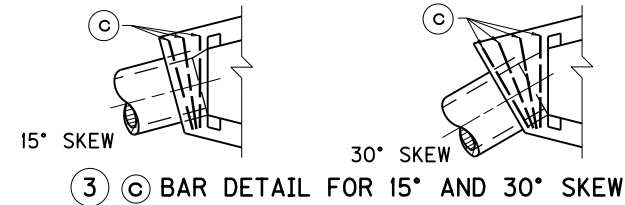
PLAN VIEW



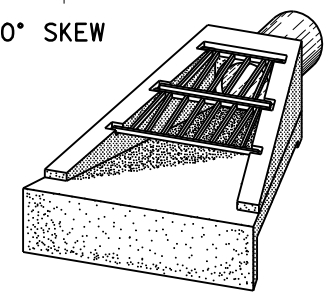
ELEVATION VIEW



PLAN VIEW OF STRUCTURE LOCATIONS



DETAIL SHOWING LOCATION OF SLOTS FOR GRATES



PICTORIAL VIEW OF 18' OR 24' STRUCTURE

USE WITH CUR. STD. DWG. RDB-106

NOTES

1. THE BID ITEM SHALL BE: "S & F BOX INLET-OUTLET- \star INCH \star SIZE OF PIPE"
2. THE MINIMUM REQUIREMENT FOR REINFORCING STEEL SHALL BE GRADE 40. FIELD BENDING WILL BE PERMITTED.
3. ONE ADDITIONAL (c) BAR WILL BE REQUIRED FOR EACH 15° SKEW.
4. "t" IS THE CONCRETE PIPE WALL THICKNESS OR METAL PIPE CORRUGATION DEPTH.

DIMENSIONS										
P	H	L	S	R	V	W	A	B	C	D
18"	3'-0"	8'-6"	8'-9 ¹ / ₈ "	2'-11 ¹ / ₂ "	3'-7 ¹ / ₂ "	7'-3"	1'-9"	1'-9"	-----	-----
24"	3'-7"	10'-8"	11'-0"	3'-6 ¹ / ₂ "	4'-5 ¹ / ₂ "	8'-11"	2'-9"	2'-9"	-----	-----
30"	4'-2"	12'-10"	13'-2 ³ / ₄ "	4'-1 ¹ / ₂ "	5'-3 ¹ / ₂ "	10'-7"	2'-9"	2'-9"	1'-9"	-----
36"	4'-9"	15'-0"	15'-5 ¹ / ₂ "	4'-8 ¹ / ₂ "	6'-1 ¹ / ₂ "	12'-3"	2'-9"	2'-9"	1'-9"	1'-9"

NO. OF GRATES REQ'D.	
2'	3'
2	--
--	2
1	2
2	2

NO. 4 REINFORCEMENT BARS					CLASS A CONC.
NUMBER - LENGTH AND WEIGHT					
(a)	(b)	(3)	(c)	LBS.	CU. YD.
14 @ 6'-5"	3 @ 8'-6"	2 @ 2'-8"		81	1.8
16 @ 8'-0"	3 @ 10'-6"	2 @ 3'-3"		111	2.7
18 @ 9'-7"	3 @ 12'-9"	2 @ 3'-10"		146	3.8
20 @ 11'-4"	3 @ 15'-0"	2 @ 4'-5"		187	5.1

KENTUCKY DEPARTMENT OF HIGHWAYS
SLOPED AND FLARED BOX INLET - OUTLET
 18" - 24" - 30" - 36"
 ALL SKEWS
 STANDARD DRAWING NO. RDB-105-05
 SUBMITTED: *John B. Sackett* DIRECTOR DIVISION OF DESIGN 12-1-99 DATE
 APPROVED: *J. M. Yourell* STATE HIGHWAY ENGINEER 12-1-99 DATE