



RISER	
CU. YD. CONC. PER FT. HT.	
SAG	0.4
GRADE	0.2

## ~ NOTES ~

BID ITEM AND UNIT TO BID  
 DROP BOX INLET TYPE 13 (Δ) (※) EACH  
 (Δ) = "S" (SAG CONDITION)  
 (Δ) = "G" (GRADE CONDITION)  
 (※) = "T" (TOP PHASE)  
 (※) = "B" (BOTTOM PHASE)

WITH NO "T" OR "B" SUFFIX A COMPLETE INLET IS REQUIRED.

- BOX INLET SHALL BE CONSTRUCTED IN TWO PHASES (BOTTOM AND TOP) AND MAY BE CONSTRUCTED IN A SAG VERTICAL CURVE OR ON GRADE.
- FOR ILLUSTRATION PURPOSES THIS DRAWING DEPICTS A BOX LOCATED ON A GRADE CONDITION. SEE CUR. STD. DWG. RDB-014 FOR DETAILS OF SAG AND GRADE CONDITIONS.
- DIMENSION VARIES DEPENDING UPON LOCATION OF BOX; GRADE CONDITION = 2'-3", SAG CONDITION = 4'-11".
- GRADE CONDITION: "X" = 2'-3" MIN. TO 5'-0" MAX., SAG CONDITION: "X" = 4'-11".
- 2'-0" DESIRED COVER, 1'-0" MINIMUM COVER OVER PIPE AND/OR LID.
- "t" IS CONCRETE PIPE WALL THICKNESS OR METAL CORRUGATION DEPTH.
- ALL WALLS AND SLABS ARE 8" THICK UNLESS OTHERWISE SHOWN.
- THICKNESS = CURB WIDTH + 2" (MINIMUM WIDTH 8" WITHOUT CURB). INLET MAY BE CONSTRUCTED WITH OR WITHOUT A CURB. THE CURB ON THE BOX SHALL BE CONSTRUCTED TO MATCH THE ADJOINING CURB WITH THE SAME CONSTRUCTION AND MATERIAL DETAILS (SEE CUR. STD. DWG. RPM-100). THIS DRAWING DEPICTS A LIP CURB APPLICATION.
- THE TOP PHASE SHALL BE CAST AFTER THE ADJOINING CURB AND GUTTER HAVE BEEN CAST.
- SEE CUR. STD. DWG. RDB-014, RDB-015, RDB-016, RDB-018 AND RDB-019 FOR FRAME AND GRATE DETAIL, STEEL PATTERN, DIMENSIONS AND QUANTITIES.
- FABRIC WRAPPED BACKFILL DRAIN, ( ONE PER WEEP HOLE ).
- THIS GRATE IS BICYCLE FRIENDLY.

REVISION DATE: 12/01/2015  
 REVISION NUMBER: 0

SUBMITTED 12-01-2015 DATE  
 DIVISION DIRECTOR  
 APPROVED 12-01-2015 DATE  
 STATE HIGHWAY ENGINEER

DRAINAGE



COMMONWEALTH OF KENTUCKY  
 DEPARTMENT OF HIGHWAYS



INLETS

DROP BOX INLET TYPE 13 (DETAIL SHEET)

STANDARD DRAWING NUMBER  
 RDB-013-07