



| RISER | | |
|----------------------------|-----------|-----|
| CU. YDS. CONC. PER FT. HT. | | |
| SAG | Y = 2'-0" | 0.4 |
| GRADE | Y = 2'-0" | 0.3 |
| SAG | Y = 2'-6" | 0.4 |
| GRADE | Y = 2'-6" | 0.3 |

~ NOTES ~

BID ITEM AND UNIT TO BID
DROP BOX INLET TYPE 16 (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 MAY 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 OR 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" MIN. 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.
- 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.T STD. DWG. RDB-014 FOR FRAME AND GRATE DETAIL. SEE CUR. STD. DWG. RDB-031 FOR STEEL PATTERN. SEE CUR. STD. DWG. RDB-033 FOR DIMENSIONS AND QUANTITIES.
- FABRIC WRAPPED BACKFILL DRAIN, (ONE PER WEEP HOLE) .
- 2'-0" FOR 12", 15", AND 18" OR 2'-6" FOR 24" SLOTTED DRAIN PIPE.
- MINIMUM HEIGHT FOR LONGITUDINAL PIPE SHALL BE H = 11" + INSIDE DIAMETER OF PIPE.
- THIS GRATE IS BICYCLE FRIENDLY.

USE WITH CUR. STD. DWGS.
RDB-014 RDB-031 RDB-032
RDB-033 RDB-034 RDB-035
RDI-200

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 16 (DETAIL SHEET)

STANDARD DRAWING NUMBER
RDB-030-04