



SECTION B-B **NOTES**

BASIS OF PAYMENT

DOWNSTREAM DIKE COMPLETE AND IN PLACE IS INCLUDED IN THE CONTRACT UNIT PRICE OF THE INLET. SODDING IS NOT INCLUDED.

CONSTRUCTION REQUIREMENTS

- ① 6:1 SLOPES ARE WITH REFERENCE TO DITCH GRADE.
- ② WHEN A BOX INLET IS PLACED IN A SAG, OMIT THE EARTH DIKE AND LONGITUDINAL SLOPE OF THE GRATE, AND PROVIDE A CONCRETE APRON ON EACH SIDE OF THE INLET.
- ③ RATE OF INCREASE OR DECREASE 0.41 CU. YD. PER FOOT IN HEIGHT.
- ④ DEDUCT APPROX. 0.2 CU. YD. OF CONCRETE OR A 30" PIPE AND 0.3 CU. YD. OF CONCRETE FOR A 36" PIPE.
- ⑤ RELIANCE STEEL (CAT. NO. H2-12D) AND GARY STEEL (CAT. NO. HW3-D-300) ARE ACCEPTABLE ALTERNATES PROVIDED MATCHED GRATES ARE SUPPLIED.
- ⑥ THE 2 3/4" BAR SHALL BE NOTCHED TO RECEIVE THE 1" BAR.
- ⑦ COMPACT THIS VOLUME WITH D.G.A. BASE OR GRAVEL BASE AND INCLUDE IN THE UNIT PRICE OF THE BOX

BILL OF REINFORCEMENT

| BAR | NO. OF BARS | SIZE | LENGTH | APPROX. SPACING |
|-----|-------------|------|--------|-----------------|
| A | 44 OR 60 | *5 | 3'-0" | 1'-0" C TO C |
| B | 9 OR 18 | *4 | 3'-9" | AS SHOWN |
| C | 16 OR 20 | *4 | 4'-9" | AS SHOWN |

NOTE: PRIMARY USE (ROADSIDE DITCH LOCATION)

| STR. STEEL WTS. | | |
|-----------------|---------|--------|
| 1 GRATE | TOTAL | FRAME |
| 176 LBS | 352 LBS | 58 LBS |

APPROX. QUANTITIES

| TYPE | CONCRETE | REINF. STEEL |
|-------|---------------|--------------|
| SAG | 4.8 CU. YD. ④ | 303 LBS |
| GRADE | 3.9 CU. YD. ④ | 212 LBS |

KENTUCKY
DEPARTMENT OF HIGHWAYS

DROP BOX INLET
TYPE 4

STANDARD DRAWING NO. RDB-004-09

SUBMITTED: *David Kist* 11-21-07
DIRECTOR DIVISION OF DESIGN DATE

APPROVED: *Newton M. Mathews* 11-21-07
STATE HIGHWAY ENGINEER DATE