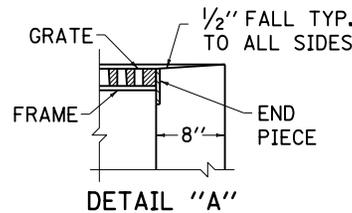
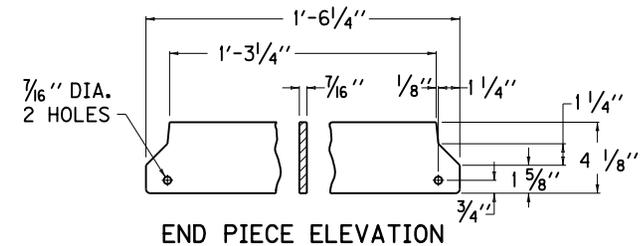


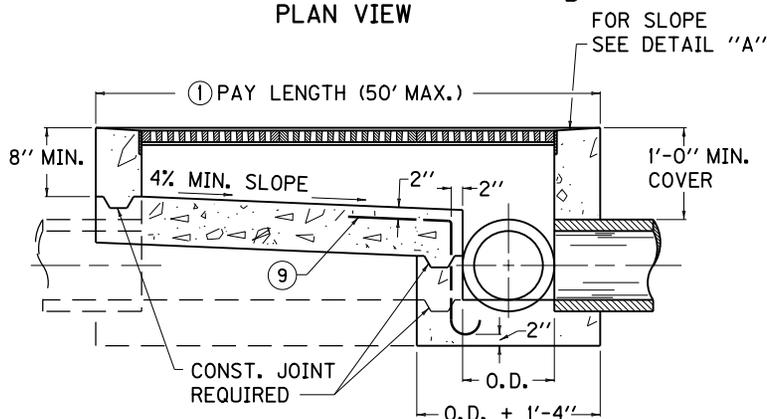
PLAN VIEW



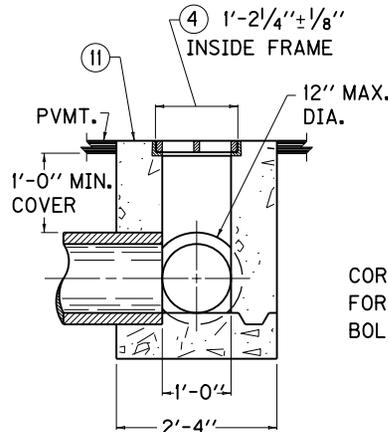
DETAIL "A"



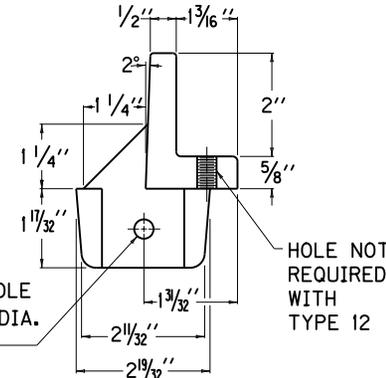
END PIECE ELEVATION



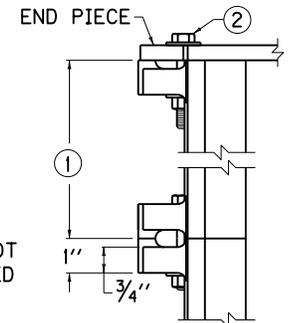
SECTION A-A



SECTION B-B



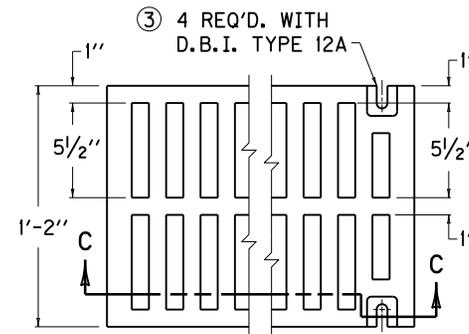
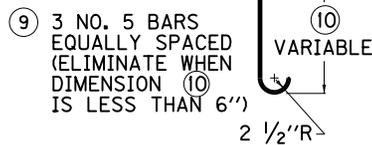
FRAME ELEVATION



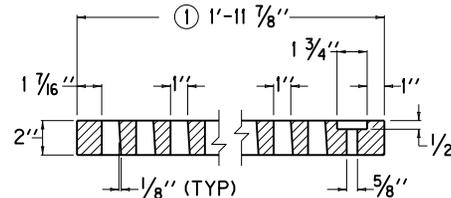
FRAME & END PIECE PLAN VIEW

~ NOTES ~

- BID ITEM AND UNIT TO BID  
 DROP BOX INLET TYPE 12 LF  
 DROP BOX INLET TYPE 12A LF
- 12 WHEN THE GRATES ARE NOT TO BE BOLTED TO THE FRAME.  
 12A WHEN THE GRATES ARE TO BE BOLTED TO THE FRAME.
- ① THE UNIT LENGTHS ARE 3'-0" FOR THE FRAMES AND 1'-11 7/8" FOR THE GRATES AND ARE TO BE CONSTRUCTED IN MULTIPLE LENGTHS OF 6'-0" FOR TYPE 12 INLET. THE UNIT LENGTHS ARE 2'-0" FOR THE FRAMES AND 1'-11 7/8" FOR THE GRATES AND ARE TO BE CONSTRUCTED IN MULTIPLE LENGTHS OF 2'-0" FOR TYPE 12A INLET.
  - ② THE FRAME AND END PIECES SHALL BE ASSEMBLED WITH 3/8" X 2 1/2" HEX HEAD BOLTS, NUTS AND FLAT WASHERS (COMMERCIAL QUALITY).
  - ③ WHEN DROP BOX INLET TYPE 12A IS A BID ITEM, THE GRATES SHALL BE BOLTED TO THE FRAME WITH FOUR 3/8"-16 X 2" STAINLESS STEEL HEX BOLTS AND FLAT WASHERS (COMMERCIAL QUALITY).
  - ④ THIS IS A CONTROL DIMENSION TO PREVENT FRAME FROM SPREADING.
  5. THE WALLS AND BASE OF THE STRUCTURE SHALL BE 8" THICK.
  6. SEE PIPE SECTIONS IN THE PLANS FOR FLOW LINE ELEVATIONS, PIPE SIZES, AND OTHER PERTINENT DETAILS.
  7. SECURITY DEVICES ARE REQUIRED FOR TYPE 12 ONLY.
  8. APPROXIMATE WEIGHT OF CASTINGS:  
 FRAME 15 LBS. PER FT. (BOTH SIDES)  
 GRATE 50 LBS. PER FT.
  - ⑩ TOP SLOPE OF INLET SHALL BE CONSTRUCTED TO MATCH SLOPE OF ADJACENT PAVEMENT.
  12. THESE GRATES ARE BICYCLE FRIENDLY.

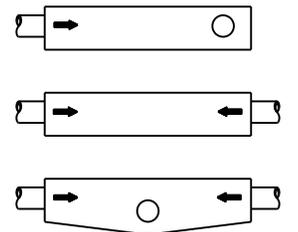


GRATE PLAN VIEW



SECTION C-C

VARIATIONS OF DRAINAGE PATTERNS



COMBINATIONS OF THE ABOVE MAY BE REQUIRED  
 (SEE PIPE SECTIONS FOR APPROPRIATE DETAILS)

KENTUCKY  
 DEPARTMENT OF HIGHWAYS

DROP BOX INLET  
 TYPE 12 OR 12A

STANDARD DRAWING NO. RDB-012-10  
 SUBMITTED *William P. Gullett* 12-01-15  
 DIRECTOR, DIVISION OF DESIGN DATE  
 APPROVED *John* 12-01-15  
 STATE HIGHWAY ENGINEER DATE