ADJUSTING RING

CONCRETE PLUG

CAST IRON RING DETAIL (see detail)

RISER SECTION

PLAN VIEW

T-SECTION

CONCRETE PLUG

Notes:

1. Use Neenah R-4370-23G, East Jordan 1310 grate, or equal with a minimum waterway of 2.5". If modifications to the drain are required to facilitate similar casings, the contractor must receive written approval from the Engineer.

2. Castings shall be manufactured in accordance with AASHTO M 356. Metal used in the manufacture of castings shall conform to AASHTO M 105, Class 356.

3. Precast concrete median drains, adjusting rings, and riser sections shall be constructed in accordance with AASHTO M 199. T-sections shall be constructed in accordance with AASHTO M 170.

4. All reinforcing steel shall be Grade 60 steel. Reinforcing for adjusting rings, riser sections, and T-sections shall be in accordance with AASHTO M170.

5. The cost of furnishing and installing the castings and drains shall be included in the price bid for "Median Drain Precast Concrete-Type A". The cost of furnishing and installing the adjusting rings and rear spool pipes shall be included in the price bid for "Pipe Conc Reinf 24IN [CL _]". The cost of furnishing and installing the T-sections shall be included in the price bid for "Pipe Conc Reinf 24IN [CL _]".

6. Seal all joints with rubber gaskets or with sealer approved by the engineer.

This document was originally issued and sealed by Terrence R. Udland, Registration Number PE-2674, on 06/30/14 and the original document is stored at the North Dakota Department of Transportation.