1. **GENERAL:**
   - Inlet median drain may be either precast or cast-in-place. Precast units shall meet the requirements of ASTM C54-04 prior to use.
   - Approval of the shop drawing will be required on precast units.

2. **AS-BUILT DRAFT:**
   - If side draft is allowed for form removal.

3. **CAST-IN-PLACE:**
   - Inlet median drains shall conform to Section 609. Minor structures of the current ITD standard specifications for highway construction.

4. **GRADE LINE:**
   - The grade line of the top inside of any pipe shall enter at a point no lower than the top inside of the outlet pipe.
   - Pipes can enter or leave the box in any direction. All connections and broken areas shall be grouted smooth.

5. **PLACEMENT:**
   - Steel angles shall be set so that each bearing bar of precast units shall have full bearing on both ends. The finished top of concrete shall be even with the angle/grate surface. The structural steel need not be painted but shall meet the requirements of ASTM A960.

6. **METAL REINFORCEMENT:**
   - All metal reinforcement shall be No. 4 bars. Metal reinforcement shall be smooth cut to fit around pipes. Vertical bars need to be lengthened to accommodate inlet depth.

7. **BEARING BAR:**
   - The 100 flat bars at the 45° angle must be pointed down and in the direction of flow. The finished top of concrete shall be even with the angle/grate surface. The structural steel need not be painted but shall meet the requirements of ASTM A960.

8. **NOTE:**
   - The cast-in-place inlet median drain shall conform to Section 609. Minor structures of the current ITD standard specifications for highway construction.

9. **CAST-IN-PLACE:**
   - Cast-in-place inlet median drains shall conform to Section 609. Minor structures of the current ITD standard specifications for highway construction.

10. **NOT TO SCALE:**
    - The cast-in-place inlet median drain may be either precast or cast-in-place. Precast units shall meet the requirements of ASTM C54-04 prior to use.

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**INLET MEDIAN DRAIN - DETAILS**

**SECTION A-A**

- **ELEVATION**
  - Flow line
  - Permissible concrete joint

**SECTION B-B**

- **ELEVATION**
  - Flow line
  - Permissible concrete joint

**NOTE:**
- All metal reinforcement shall be No. 4 bars. Metal reinforcement shall be smooth cut to fit around pipes. Vertical bars need to be lengthened to accommodate inlet depth.

**REVISIONS**

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