INLET - DETAILS

1. TYPE 8 INLET CAN BE EITHER PRECAST OR CAST-IN-PLACE. PRECAST AND MODIFIED INLETS SHALL MEET THE REQUIREMENTS OF ASTM C913. PRIOR APPROVAL OF SHOP DRAWINGS IS REQUIRED FOR USE OF PRECAST AND MODIFIED INLETS. THE APRON MUST BE CAST-IN-PLACE.

2. CAST-IN-PLACE INLET TYPE 8 SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT IDT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

3. A 1'-6" MIN. ALLOWANCE FOR FORM REMOVAL.

4. ALL METAL REINFORCEMENT USED SHALL BE NO. 4 BARS. THE METAL REINFORCEMENT SHALL BE SMOOTH CAST TO ACCOMMODATE PIPES. ALL BARS SHALL HAVE A MINIMUM COVER OF 2" AND/OR 3" MINIMUM COVER IF CAST AGAINST EARTH.

5. THE INLET SHALL BE CONSTRUCTED RECTANGULAR USING THE APPROPRIATE WALL DIMENSIONS AS DETERMINED BY THE CONNECTING PIPE SIZES. USE THE LARGER WALL DIMENSION IF THE DIFFERENT SIZES CONNECT TO OPPOSITE WALLS, USE THE MINIMUM WALL DIMENSION IF PIPES CONNECT TO OPPOSITE WALLS. SELECT THE DEPTH TO SIMPLY BY USING THE VALUE OF THE ILETS LARGEST CONNECTING PIPE.

6. BENDS CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BENDS SHALL BE GRATED SMOOTH.

7. THE GRADE LINE OF THE TOP INSIDE OF ANY INLET PIPE SHALL BE AT A POINT NOT LESS THAN THE TOP INSIDE OF THE OUTLET PIPE.

8. THE REINFORCEMENT SHOWN ON THE TABLE SHALL BE USED TO CONSTRUCT A TYPE 8 INLET.

9. THE METAL GRATE SHALL MEET THE REQUIREMENTS OF ASTM A36. THE METAL GRATE NEED NOT BE PAINTED OR GALVANIZED.

10. WELDING OF THE METAL GRATE SHALL MEET THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY.

11. GRAY IRON CASTS OF THE SPECIFICATIONS GIVEN FOR THE STEEL GRATES MAY BE USED. THE CASTINGS SHALL CONFORM TO AA50100 CLASS 350 GRAY IRON CASTINGS.

12. NOT TO SCALE.