**MODIFIED HUGGER BAND**

**TOP VIEW**

- 20' Nominal pipe length
- Grate welded to pipe (See grate welding detail)

**TYPICAL PIPE SECTION**

**SIDES VIEW**

- Grate
- 2 1/4"
- Modified hugger band

**TYPICAL PIPE SECTION**

**GRATE WELDING DETAIL**

- Nominal 6" centers (typ.)
- Fillet weld at each side of grate at every other corrugation
- Direction of flow
- - A

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**INFORMATION**

- **INDIANA DEPARTMENT OF TRANSPORTATION**
- **SLOTTED DRAIN PIPE**
- **APRIL 1995**
- **STANDARD DRAWING NO. E 715-SLDR-01**
- **DETAILED DRAWING**
- **11-15-95**
- **Anthony L. Drexler 11-15-95**
- **Civil Engineer 11-15-95**
- **Design Standards Engineer 11-15-95**
- **Tekla Points**
- **11-15-95**

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**DESIGN STANDARDS ENGINEER**

**CHIEF HIGHWAY ENGINEER**

**DATE**
SECTION A-A
STANDARD GRATE DETAIL

1/2 in. #13 standard galvanized expanded metal mesh

Support bar for mesh

Solid web spacer 3/16" thick

2 1/4" for 2 1/2" grate
3" for 6" grate

SECTION A-A
GRATE DETAIL WITH MESH

2 1/2" dia. carriage bolt

2 1/2" x 1 1/2" x 3/16" x 2 1/4" long band angle

Shop weld mesh to grate

SECTION B-B

SECTION C-C

Band sheet

INDIANA DEPARTMENT OF TRANSPORTATION

SLOTTED DRAIN PIPE

JANUARY 1996

STANDARD DRAWING NO.E 715-SLDR-02

DETAILS PLACED IN THIS FORMAT 1-15-99

/s/ Anthony L. Dremanich 1-15-99
DESIGNER

/s/ Firouz Zendi 1-15-99
CHIEF HIGHWAY ENGINEER

DESIGN STANDARDS ENGINEER

ORIGINALLY APPROVED 1-30-98

<table>
<thead>
<tr>
<th>PIPE THICKNESS (IN.)</th>
<th>DIAMETER OF PIPE (IN.)</th>
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</thead>
<tbody>
<tr>
<td>0.064</td>
<td>X X X X X X</td>
</tr>
<tr>
<td>0.079</td>
<td>X X X X X X</td>
</tr>
<tr>
<td>0.109</td>
<td>N.A. N.A. N.A. N.A. X X</td>
</tr>
</tbody>
</table>

X - Size available for designated thickness

N.A. - Size not available for designated thickness
SECTION THROUGH VANE DRAIN

6" min. concrete thickness at sides and bottom of sewer pipe

Fasten casting securely to pipe with wire

12", 15", or 18" dia. SDR-35 PVC sewer pipe

Cut req'd at bell to allow vane drain base flange clearance

Slot cut lengthwise to accept positioning lugs on the underside of the casting

Blocks to adjust pipe to grade and assure 6" min. concrete encasement beneath pipe

Slotted drain

Wire drain to pipe

Saw 3 3/4" slot in pipe to accept drain

Pavement

Shear tab

(4) 1/2" dia. cored holes

7 1/4"

6" 6"

2-10' max.

2 1/2" 1 7/8"

3/8"

2 1/2"

3/8"

7 5/8" R-

3/3/4" 5 3/4"

2 1/2"

5 1/4"