

## GENERAL NOTES:

- 1. Place concrete pipe with the slots positioned on sides.
- 2. Alignment joints are standard (gaskets not required). Recorrugation of metal pipe ends not required.
- 3. Install Type D-3 geotextile in accordance with Specification 514. Lap all geotextile joints a minimum of one (1) foot.
- 4. Construct the standard cross section unless other section(s) described or detailed in the plans.
- 5. See Index 430-001 for supplemental details.
- 6. Take the necessary precautions to prevent contamination of the trench with sand, silt and foreign materials.

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| 3                  | Concrete Slotted Pipe Options |  |  |

= FRENCH DRAIN ASSEMBLY =

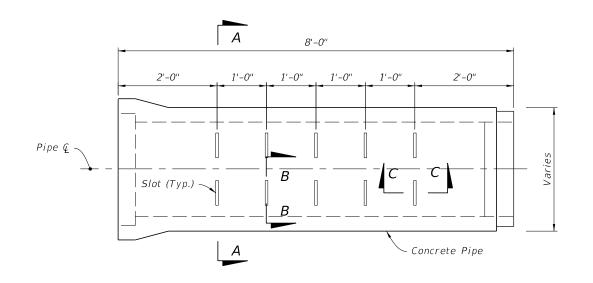
#### Manhole/Sump Geotextile Envelope Geotextile Envelope NOTES: Coupling Band 1. Construct sumps unless excluded in the Plans. 2. For additional sump bottom information see Index 425-001. 3. Construct weep holes only where called for in the Plans. Weep Hole 4. Only cast and ductile iron sanitary sewer, or cast iron, ductile and steel water mains will be allowed to pass directly through french drain (without sleeve). 5. Use only steel, cast or ductile iron sleeves. No. 4 Coarse Aggregate No. 4 Coarse Aggregate 6. No slots or perforations. Sleeve (See Note 5) PLANUtility Pipe (See Note 4) Manhole or Inlet (Manhole With Sump Shown) Bituminous Coating for Metal Pipe Only (Field Applied) Over Lap 1'-0" (Min.) -Geotextile Envelope No. 4 Coarse Aggregate Geotextile Geotextile Envelope Envelope Coupling Band Typical Location for Bottom Slab Utility (See Note 4) Without Sump 1'-0" Varies, As Varies, As -Varies, As Shown in the Plans Shown in Shown in (Typ.) 1'-0" Ø the Plans the Plans Weep Hole (See 1'-0" Note 3) No. 4 Coarse No. 4 Coarse Aggregate Aggregate (Typ.) Pipe OD (Typ.) Perforated Pipe 8'-0" (See Note 6) 8'-0" (See Note 6) Slotted or Perforated Pipe SECTION A-A Sump (See Notes 1 & 2) Geotextile Envelope 1/4" Galvanized Hardware Cloth No. 4 Coarse Aggregate (2'x2'x2') METAL OR PLASTIC PIPE CONCRETE PIPE ELEVATION FRENCH DRAIN (Round Pipe Shown) FRENCH DRAIN SYSTEM DESCRIPTION: FY 2024-25 INDEX SHEET FDOT REVISION FRENCH DRAIN

443-001

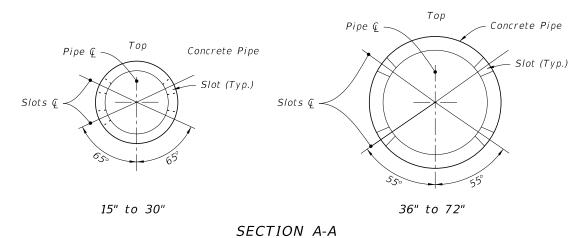
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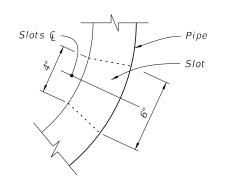
STANDARD PLANS

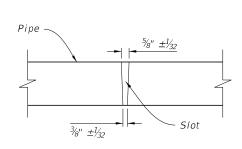
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### SIDE VIEW



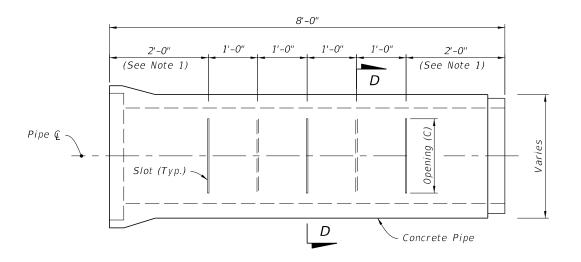




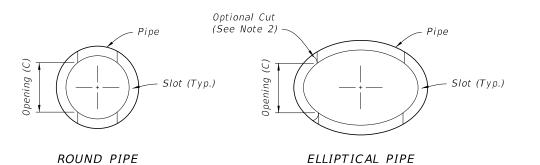
SECTION B-B

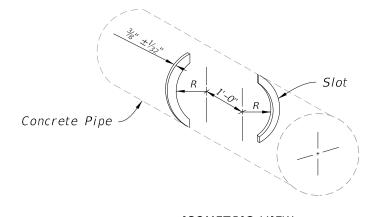
SECTION C-C

= OPTION A - ROUND PIPE ==



SIDE VIEW





ISOMETRIC VIEW (Round Pipe Shown)

### SECTION D-D

### NOTES:

- 1. 2'-0" for 8'-0" joints of pipe; 2'-6" for 12'-0" joints of pipe
- 2. A curved cut is acceptable provided the control dimension is maintained.

| ROUND PIPE   |                |      |  |  |  |
|--------------|----------------|------|--|--|--|
|              | Slot Cut       |      |  |  |  |
| Pipe<br>Size | Opening<br>(C) |      |  |  |  |
|              | Min.           | Max. |  |  |  |
| 15"          | 12"            | 14"  |  |  |  |
| 18"          | 12"            | 14"  |  |  |  |
| 24"          | 16"            | 18"  |  |  |  |
| 30"          | 16"            | 18"  |  |  |  |
| 36"          | 22"            | 24"  |  |  |  |
| 42"          | 22"            | 24"  |  |  |  |
| 48"          | 22"            | 24"  |  |  |  |
| 54"          | 24"            | 26"  |  |  |  |
| 60"          | 24"            | 26"  |  |  |  |
| 66"          | 24"            | 26"  |  |  |  |
| 72"          | 24"            | 26"  |  |  |  |
|              |                |      |  |  |  |

| ELLIPTICAL PIPE |                |      |  |  |
|-----------------|----------------|------|--|--|
|                 | Slot Cut       |      |  |  |
| Pipe<br>Size    | Opening<br>(C) |      |  |  |
|                 | Min.           | Max. |  |  |
| 14"x23"         | 10"            | 12"  |  |  |
| 19"x30"         | 14"            | 16"  |  |  |
| 24"x38"         | 14"            | 16"  |  |  |
| 29"x45"         | 20"            | 22"  |  |  |
| 34"x53"         | 20"            | 22"  |  |  |
| 38"x60"         | 20"            | 22"  |  |  |
|                 |                |      |  |  |

= OPTION B - ROUND OR ELLIPTICAL PIPE =

# CONCRETE SLOTTED PIPE OPTIONS

REVISION 11/01/19

DESCRIPTION:

FDOT

FY 2024-25 STANDARD PLANS

FRENCH DRAIN

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