### Dimensions and Quantities

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<th>C</th>
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<th>W</th>
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- **Note:** See General Note No. 3. See Sheet 5 of 6 for 3'' Slab Quantities.
- **Note:** Values shown for estimating pipe quantities and are for information only.

**Dimensions:**
- 3/4'' Diameter allowed for pipe lengths.
- 1 1/2'' Diameter allowed for pipe lengths.
- 4'' Concrete slab should be deepened to form bridge across crown of pipe. See section below.

**Sections:**
- TOP VIEW - SINGLE PIPE
- TOP VIEW - MULTIPLE PIPE

**State of Florida Department of Transportation**

**Cross Drain Mitered End Section**

**Single and Multiple Round Concrete Pipe**

**Description:**
- Pipe to be included under unit price for mitered end section.

**Technical Notes:**
- See sheet 6 for details and notes.
### Dimensions and Quantities

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<th>B</th>
<th>C</th>
<th>E</th>
<th>F</th>
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*See General Note No. 3.*
*See Sheet 5 of 6 For 3" Slab Quantities.*

*Values shown for estimating pipe quantities and are for information.*

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### Diagrams

**Top View - Single Pipe**

- B: Beveled Or Round Crown
- L: Beveled Or Round Crown
- D: Beveled Or Round Crown

**Top View - Multiple Pipe**

- B: Beveled Or Round Crown
- L: Beveled Or Round Crown
- D: Beveled Or Round Crown

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**Concrete Slab, 3" Or 6" Thick, Reinforced With W.M.T. - Concrete Slab - Concrete Slab**

**SECTION**

- F: Pipe To Be Included Under Unit Price For Mitered End Section

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**NOTE:** See Sheet 6 For Details And Notes.
## Quantities for 3" Thick Concrete Slabs (Cy)

### Round-Concrete

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### Cross Drain Mitered End Section

- State of Florida Department of Transportation
- Designed by: [Signature]
- Checked by: [Signature]
- Approved by: [Signature]
- Engineer No.: [Number]
- Drawing No.: [Number]
- Sheet: 5 of 6
- Revision: [Number]

**Total:** [Number]
**Drawn:** [Date]
**Checked:** [Date]
**Approved:** [Date]
[Stamp: 212]
GENERAL NOTES
1. Mitered end sections for pipe sizes 8", 10", and 12" round or equivalent pipe arch or elliptical pipe are permitted within the clear zone. When the slope intersection permits, the mitered end section may be located with the cut-off opening on a plane 15' beyond the outside edge of the shoulder.
2. Slope and ditch transitions shall be used when the normal roadway slope must be flattened to place and alteration outside clear zone. See detail 1A.
3. The reinforced concrete slab shall be constructed for all types of crown drain pipe and cast in place with Class 2 concrete. Slab shall be 1 1/2" thick using 3" thickness split for in-place.
4. Concrete pipe used in the assembly of mitered end sections shall be selected length to avoid excessive connections.
5. Corrugated metal pipe galvanized that is damaged during handling and permitting for mitered end section shall be repaired.
6. That portion of corrugated metal pipe in direct contact with the concrete end and extending 20' beyond shall be bituminous coated prior to placing of the concrete.
7. Unless otherwise designated in the plan, concrete pipe sections and extensions may be used with any type of crown drain pipe. Corrugated steel pipe sections and extensions may be used with any type of crown drain pipe except split pipe. When bituminous coated metal pipe is specified for crown drain pipe, extended end sections shall be constructed with concrete pipe or concrete pipe.
8. When the mitered end section is backfilled to the crown drain pipe, a concrete backfill shall be constructed in accordance with Standard Note 281.
9. When existing multiple crown drain pipes are added to the existing crown, or in any non-parallel areas, or line non-uniform sections, the mitered end sections will be constructed either separately as separate pipe sections or collectively as multipipe end sections as directed by the Engineer; however, extended end sections will be poured for each independent end section.
10. The cost of all pipe (e.g., fasteners, reinforcing, connectors, anchors, concrete, etc.), and all materials and equipment required to include the cost in the mitered end section. Sodding shall be performed separately under the contract unit price for sodding, 5'.
11. Mitered end sections shall be potted for under the contract unit price for Mitered End Section (CD) Each based on each independent pipe end.

CONCRETE PIPE CONNECTOR

ANCHOR DETAIL

ANCHOR, WASHER and NUT to be galvanized steel.

SPECIAL DETAILS AND NOTES

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CROSS DRAIN
MITERED END SECTION

ACCEPTED BY

Drawn By

CHECKED BY

APPROVED BY

Scale: 1"=1'-0"