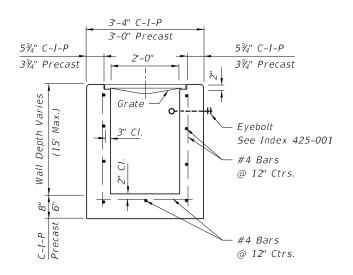


PLAN





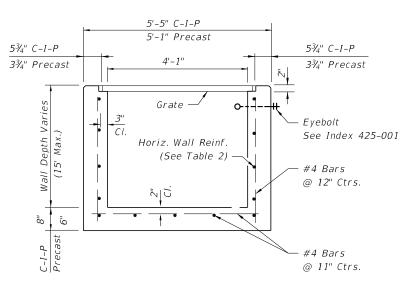
#### HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 1)

WALL DEPTH SCHEDULE		AREA	MAX. SPACING	
	(in.²/ft.)	BARS	WWF	
0'-15'	A12	0.20	12"	8"

# TYPE C

Recommended Maximum Pipe Size:

2'-0" Wall - 18" Pipe 3'-1" Wall - 24" Pipe (18" where an 18" pipe enters a 2'-0" wall)



#### SECTION

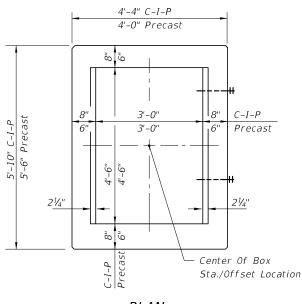
#### HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 2)

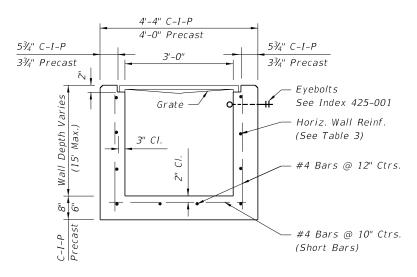
WALL	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
DEPTH	SCHEDULE		BARS	WWF
0'-6'	A12	0.20	12"	8"
6'-10'	A6	0.20	6"	5"
10'-13'	Α4	0.20	4"	3"
10'-15'	B5.5	0.24	5½"	5"

# TYPE D

Recommended Maximum Pipe Size:

3'-1" Wall - 24" Pipe 4'-1" Wall - 36" Pipe





WALL	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
DEPTH	SCHLDULL		BARS	WWF
0'-5'	A12	0.20	12"	8"
0'-7.5'	A6	0.20	6"	5"
7.5'-10'	B5.5	0.24	5½"	5"
10'-15'	C6.5	0.37	6½"	6"

3'-0" Wall - 24" Pipe

LAST REVISION 11/01/17

DESCRIPTION:



# FY 2018-19 STANDARD PLANS

# DITCH BOTTOM INLET TYPES C, D, E



SECTION

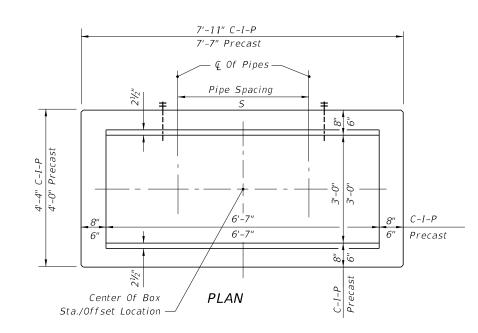
### HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 3)

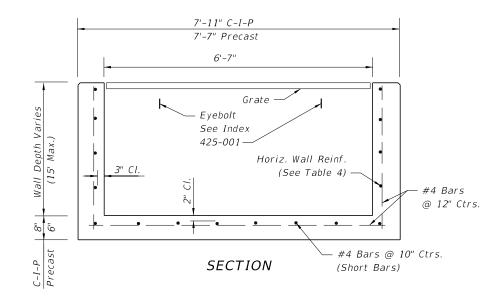
# TYPE E

Recommended Maximum Pipe Size:

4'-6" Wall - 36" Pipe

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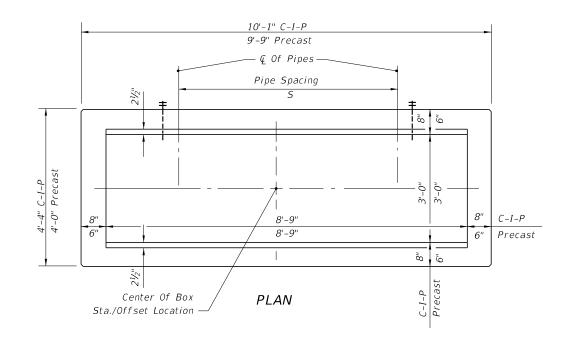


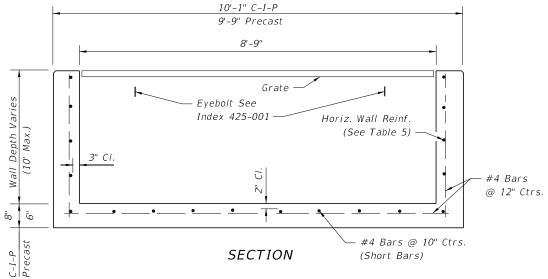
#### HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 4)

WALL	SCHEDULE	AREA	MAX. SPACING	
DEPTH	SCHEDULE	(in.²/ft.)	BARS	WWF
0'-5'	B5.5	0.24	5½"	5"
5'-7'	C6.5	0.37	6½"	6"
7'-15'	D4.5	0.53	4½"	4"

# TYPE H (2 & 3-GRATE INLET)

Recommended Maximum Pipe Size: 3'-0" Wall - 24" Pipe 6'-7" Wall - 1-60" Pipe Or 2-24" Pipe (S=3'-5")





# HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 5)

WALL	AREA	MAX. SPACI		
DEPTH	SCHEDULE	(in.²/ft.)	BARS	W
0'-5'	C3.5	0.37	3½"	
5'-10'	D4.5	0.53	4½"	

# TYPE H (4-GRATE INLET)

Recommended Maximum Pipe Size: 3'-0" Wall - 24" Pipe 8'-9" Wall - 1-78" Pipe Or 2-30" Pipe (S=4'-3")

LAST
REVISION
11/01/17



# FY 2018-19 STANDARD PLANS

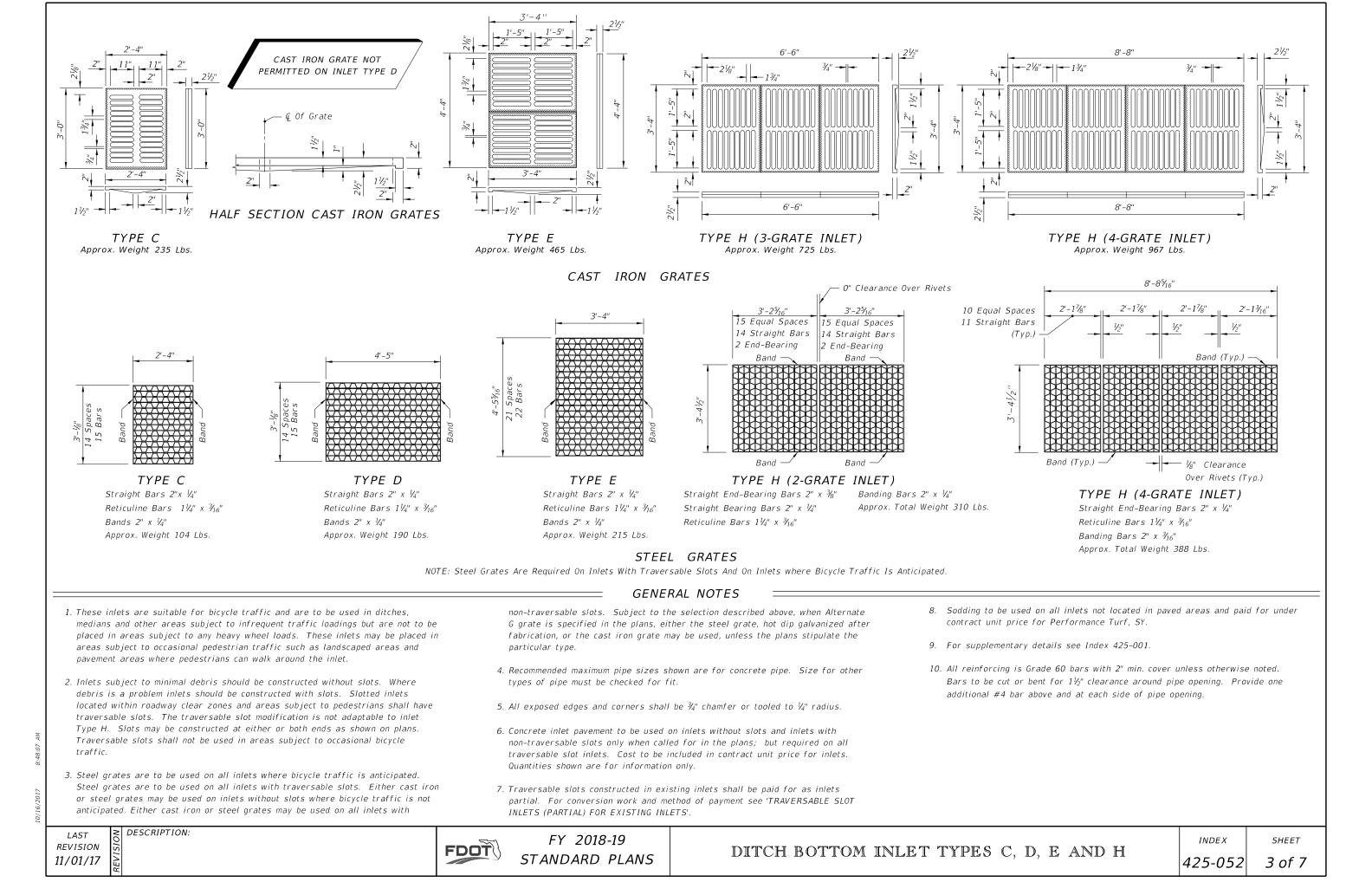
# DITCH BOTTOM INLET TYPES C, D,

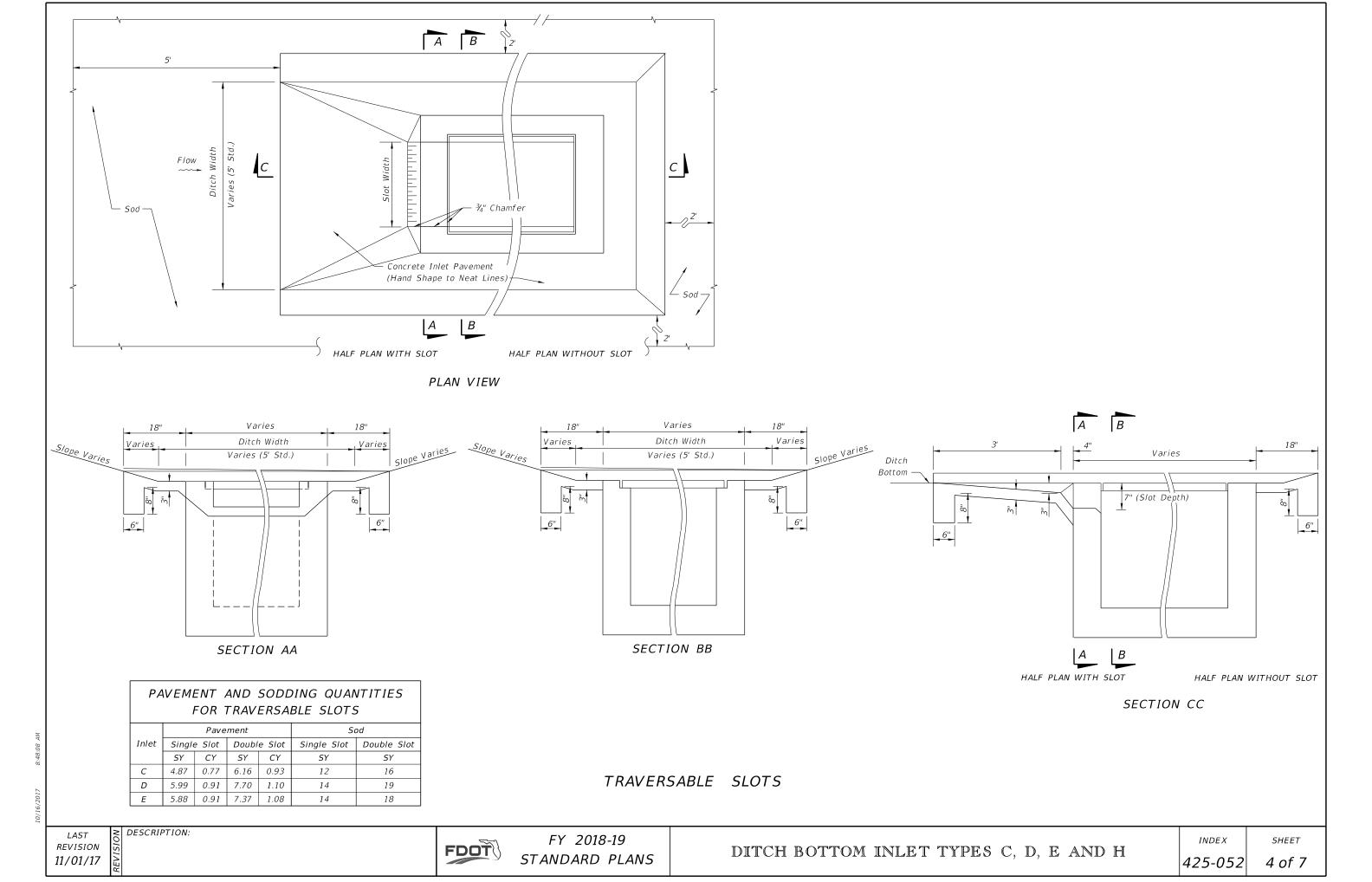


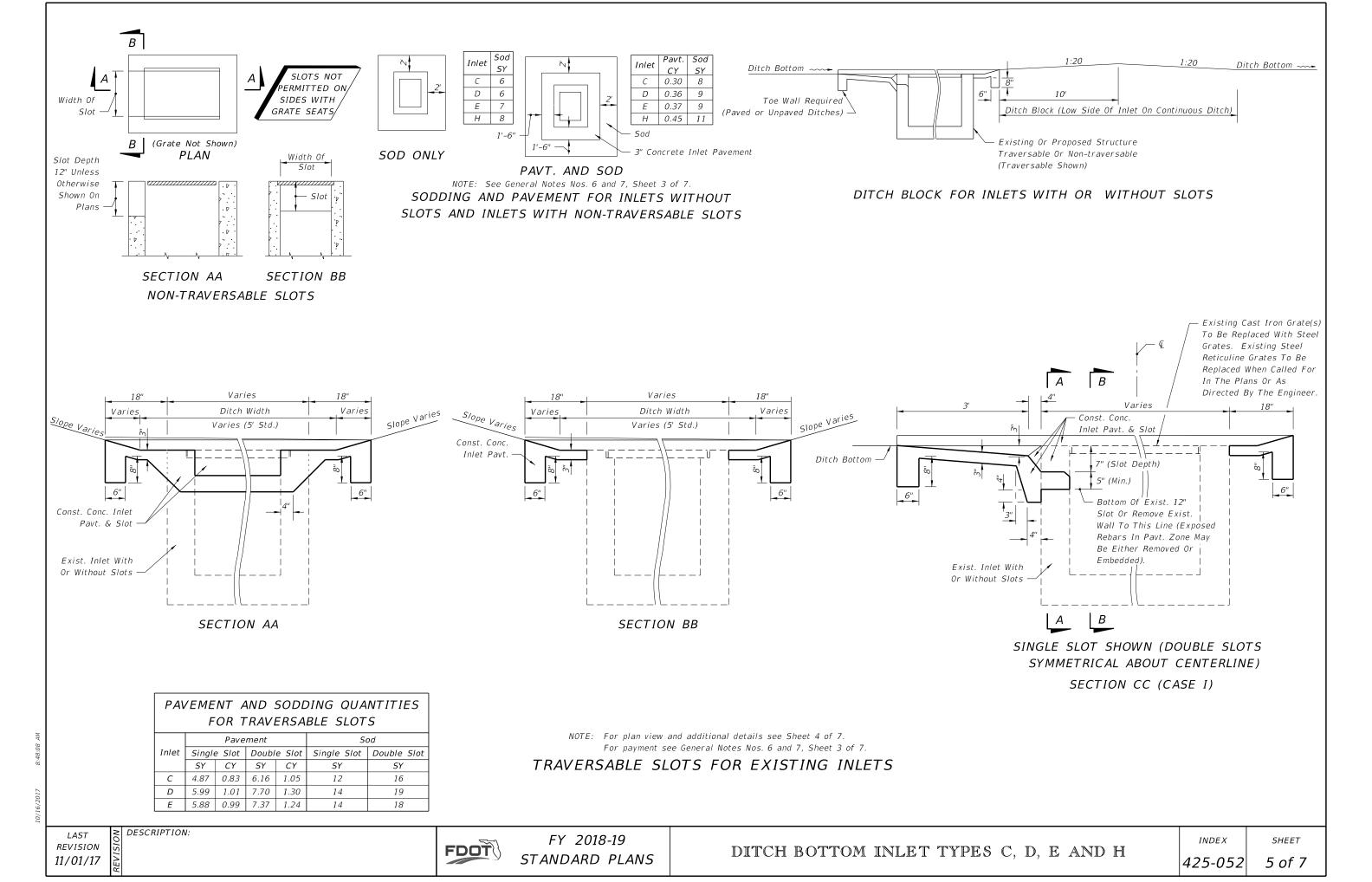
# GENERAL NOTES

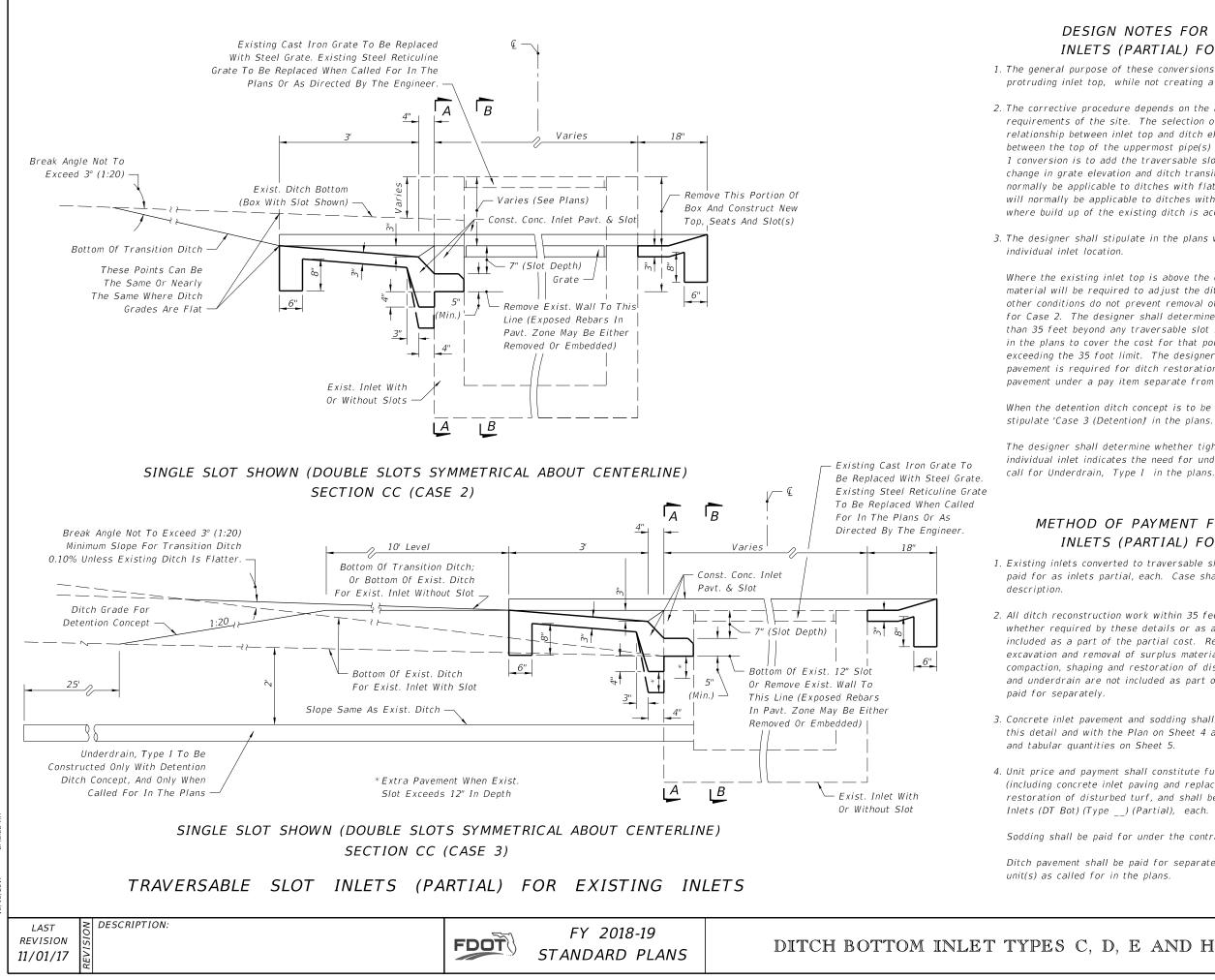
See Sheet 3 of 7.

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### DESIGN NOTES FOR TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS

1. The general purpose of these conversions is to remove the hazard of the protruding inlet top, while not creating a hazard by depressing the top too deeply.

2. The corrective procedure depends on the approach ditch grade and hydraulic requirements of the site. The selection of the appropriate case depends on the relationship between inlet top and ditch elevation, and, on the vertical clearance between the top of the uppermost pipe(s) and the grate. The purpose for the Case 1 conversion is to add the traversable slot to an existing inlet where top removal, change in grate elevation and ditch transitions are not required. Case 2 will normally be applicable to ditches with flatter grades adjoining the inlet. Case 3 will normally be applicable to ditches with steeper grades adjoining the inlet where build up of the existing ditch is acceptable.

3. The designer shall stipulate in the plans which case is to be constructed at each

Where the existing inlet top is above the existing ditch (Case 2) but borrow material will be required to adjust the ditch (Case 3), and vertical clearance or other conditions do not prevent removal of the inlet top, the designer should call for Case 2. The designer shall determine if ditch reconstruction is required more than 35 feet beyond any traversable slot side and shall include separate pay items in the plans to cover the cost for that portion of required ditch reconstruction exceeding the 35 foot limit. The designer shall also determine whether ditch pavement is required for ditch restoration within the 35 foot limit and include that pavement under a pay item separate from the inlets partial.

When the detention ditch concept is to be used with Case 3, the designer shall

The designer shall determine whether tight soil or other conditions at each individual inlet indicates the need for underdrain in Case 3 conversions and shall

#### METHOD OF PAYMENT FOR TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS

1. Existing inlets converted to traversable slot tops under Cases 1, 2 and 3 shall be paid for as inlets partial, each. Case shall not be included in the pay item

2. All ditch reconstruction work within 35 feet of each traversable slot conversion, whether required by these details or as a direct result of the conversion, shall be included as a part of the partial cost. Reconstruction work shall include excavation and removal of surplus materials or borrow materials in place, grading, compaction, shaping and restoration of disturbed turf. Sodding, ditch pavement and underdrain are not included as part of the inlet partial cost and are to be

3. Concrete inlet pavement and sodding shall be in accordance with the sections on this detail and with the Plan on Sheet 4 and Sections AA, BB and CC (as Case 1)

4. Unit price and payment shall constitute full compensation for inlet conversion (including concrete inlet paving and replacement grate(s)), ditch reconstruction, restoration of disturbed turf, and shall be paid for under the contract price for

Sodding shall be paid for under the contract unit price for Performance Turf, SY.

Ditch pavement shall be paid for separate from the inlet by pavement type(s) and

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