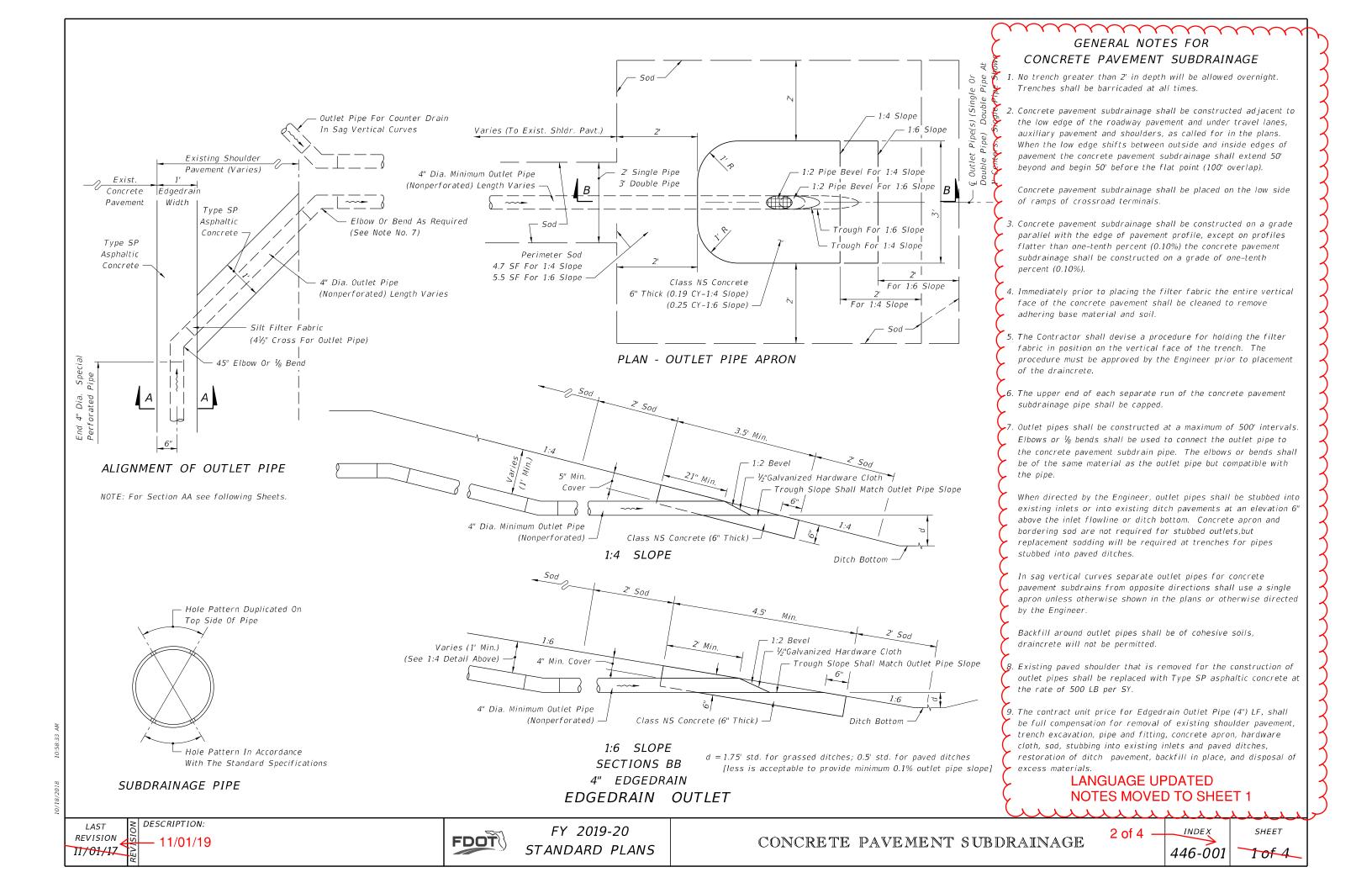
# **ORIGINATION FORM**

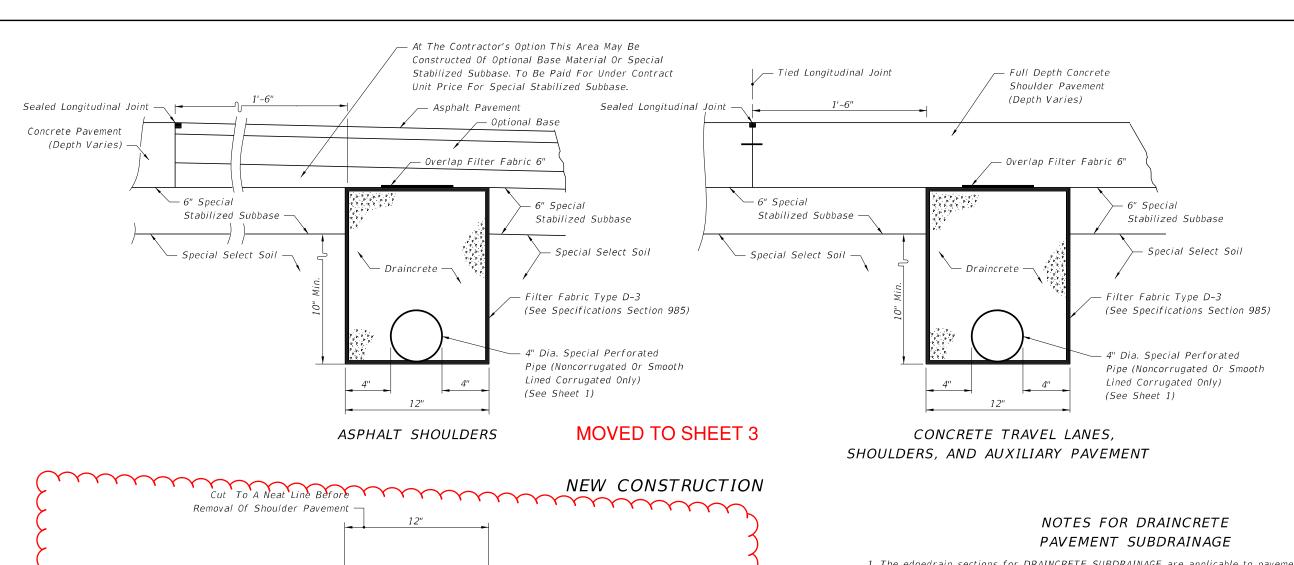
Proposed Revisions to a Standard Plans Index (Please provide all information – Incomplete forms will be returned)

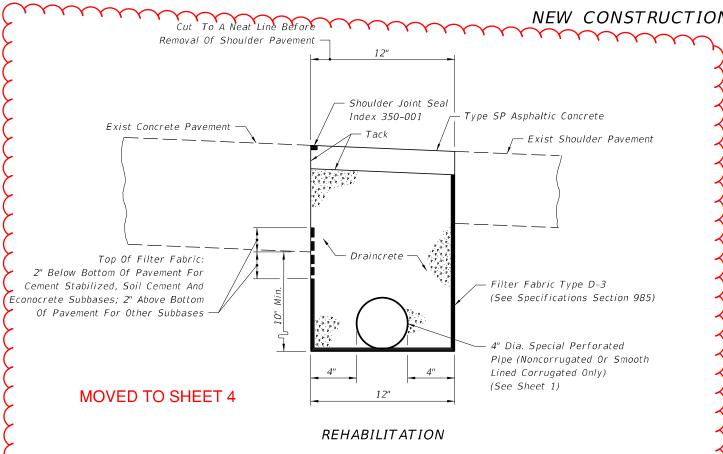
<b>Contact Information:</b>	Standard Plans:
Date: May 7, 2018	Index Number: 446-001
Originator: Derwood Sheppard	Sheet Number (s): 1-4 of 4
Phone: (850) 414-4334	Index Title: Concrete Pavement Subdrainage
Email: Derwood.Sheppard@dot.state.fl.us	
Summary of the changes:	
General Notes moved to Sheet 1, Pay Item notes move Deleted Permeable Base Details. Reorganized Index.	ed to Specifications.
Commentary / Background:	
Yes No	Provide name of responsible personnel)
Other Standard Plans –	
FDOT Design Manual –	
Basis of Estimates Manual –	
Standard Specifications – Rick Jenkins	
Approved Product List –	
Construction –	
Maintenance –	
Origination Package Includes: (Email or h	nand deliver package to Derwood Sheppard)
Yes N/A  ✓ Redline Mark-ups	
Proposed Standard Plan Instructions (SPI)	
Revised SPI	
☐ Other Support Documents	
Implementation:	
Design Bulletin (Interim) DCE Memo Prog	gram Mgmt. Bulletin  Y-Standard Plans (Next Release)
Contact the Roadway Design Office	ce for assistance in completing this form

# NEW SHEET 1 OF 4

"GENERAL NOTES - TABLE OF CONTENTS - DRAINCRETE SUBDRAINAGE







DRAINCRETE SUBDRAINAGE

- 1. The edgedrain sections for DRAINCRETE SUBDRAINAGE are applicable to pavement construction identified as RIGID PAVEMENT on Index 120-001.
- 2. The contractor shall confine the construction of draincrete edgedrain to an area in which the entire operation can be carried out in five (5) work days, unless another construction period is called for in the plans, with sufficient time allowed for the draincrete to set before placement of pavement.

#### METHOD OF PAYMENT

## **NEW CONSTRUCTION:**

#### **COVERED IN SPECIFICATIONS**

1. The contract unit price for Edgedrain (Draincrete) LF shall be full compensation for trench excavation, disposal of excess material, filter fabric, draincrete edgedrain pipe and fittings and draincrete.

Payment for outlet pipe shall be in accordance with General Note 9, Sheet 1 of 4.

#### FOR REHABILITATION:

1. The contract unit price for Edgedrain (Draincrete) LF, shall be full compensation for removal of existing shoulder pavement, trench excavation, disposal of excess materials, filter fabric, draincrete edgedrain pipe and fittings, and draincrete, necessary for edgedrain construction.

Payment for outlet pipe shall be in accordance with General Note 9, Sheet 1 of 4.

Shoulder pavement shall be paid for under the contract unit price for Type SP, Asphaltic Concrete.

Shoulder joint seal shall be paid for under the contract unit price for Pavement Joint, LF.

≥ DESCRIPTION: LAST REVISION

11/01/17

- 11/01/19

FDOT

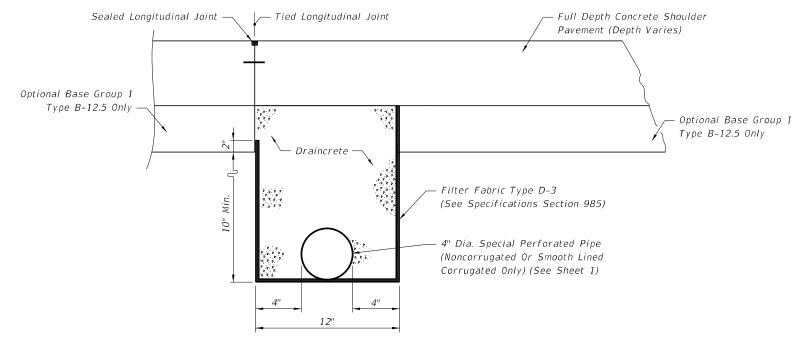
FY 2019-20 STANDARD PLANS

CONCRETE PAVEMENT SUBDRAINAGE

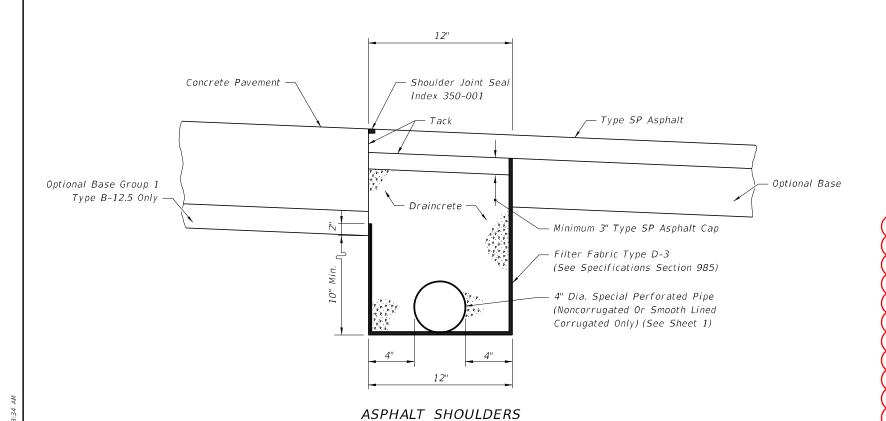
INDEX

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SHEET



CONCRETE TRAVEL LANES, SHOULDERS, AND AUXILIARY PAVEMENT



## NOTES FOR DRAINCRETE PAVEMENT SUBDRAINAGE

- 1. The edgedrain sections for DRAINCRETE SUBDRAINAGE are applicable to pavement construction identified as RIGID PAVEMENT on Index 120-001.
- 2. The contractor shall confine the construction of draincrete edgedrain to an area in which the entire operation can be carried out in five (5) work days, unless another construction period is called for in the plans, with sufficient time allowed for the draincrete to set before placement of pavement.

### METHOD OF PAYMENT

### **NEW CONSTRUCTION:**

#### **COVERED IN SPECIFICATIONS**

- 1. The contract unit price for Edgedrain (Draincrete) LF shall be full compensation for trench excavation, disposal of excess material, filter fabric, draincrete edgedrain pipe and fittings and draincrete.
- Payment for outlet pipe shall be in accordance with General Note 9, Sheet 1 of 4.
- 2. Type B-12.5 shall be paid for under the contract unit price for Optional Base.
- 3. Shoulder pavement shall be paid for under the contract unit price for Type SP, Asphaltic Concrete.

## ASPHALT BASE SUBDRAINAGE

LAST REVISION 11/01/17

DESCRIPTION:

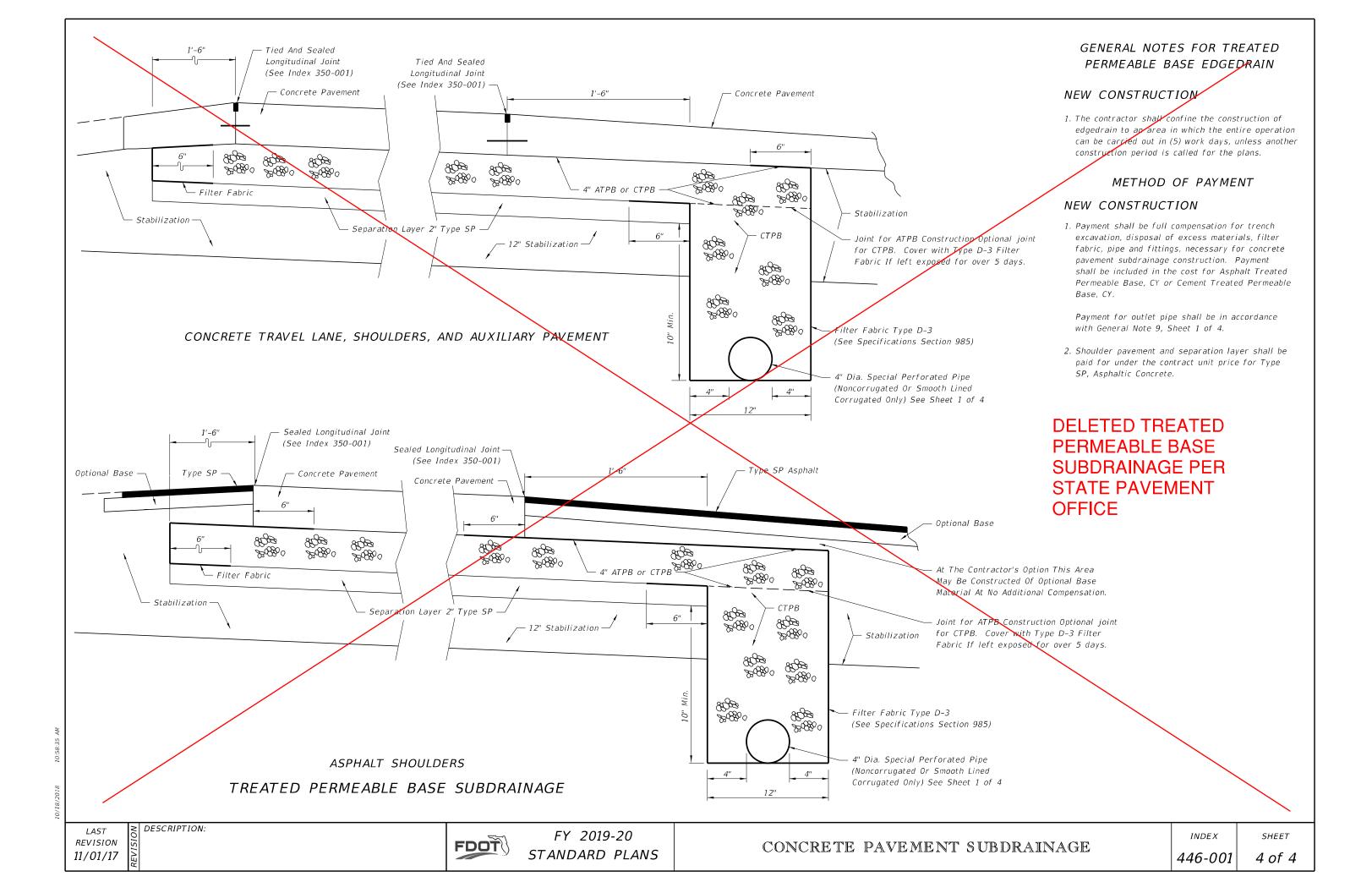
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446-001



#### **GENERAL NOTES:**

- 1. Do not leave trench greater than 2' in depth overnight. Barricade trenches at all times.
- 2. Construct concrete pavement subdrainage adjacent to the low edge of the roadway pavement and under travel lanes, auxiliary pavement and shoulders, as called for in the plans.

  Extend the concrete pavement subdrainage 50' beyond and begin 50' before the flat point (100' overlap) when the low edge shifts between outside and inside edges of pavement.

  Place concrete pavement subdrainage on the low side of ramps for crossroad terminals.
- 3. Install concrete pavement subdrainage on a grade parallel with the edge of pavement profile, except on profiles flatter than one-tenth percent (0.10%) install the concrete pavement subdrainage on a minimum grade of one-tenth percent (0.10%).
- 4. Remove adhering base material and soil from the vertical face of the concrete immediately prior to placing the filter fabric.
- 5. Submit a procedure for holding the filter fabric in position on the vertical face of the trench for approval by the Engineer prior to placing draincrete.
- 6. Cap the upper end of each separate run of the concrete pavement subdrainage pipe.
- 7. Install outlet pipes at 500' maximum intervals. Use elbows or 1/8 bends to connect the outlet pipe to the concrete pavement subdrain pipe. Use elbows or bends of the same material as the outlet pipe.

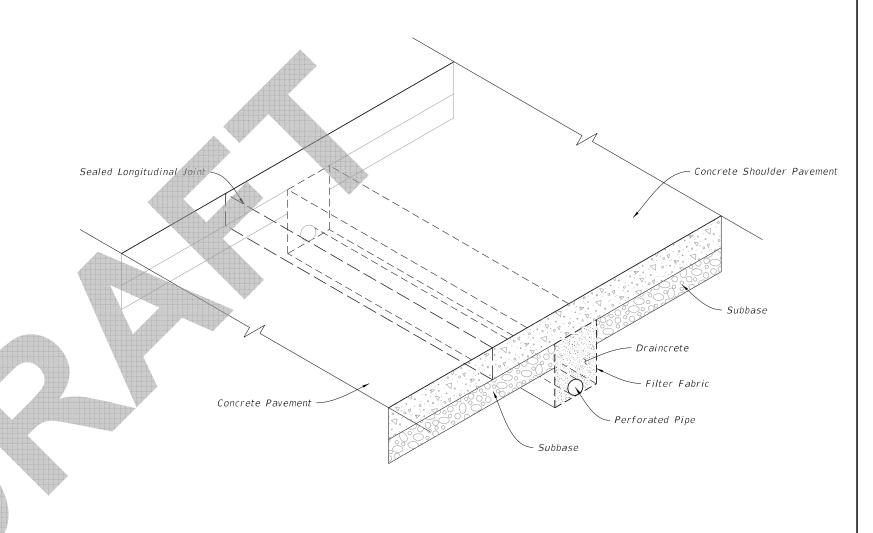
Stub outlet pipes into existing inlets or into existing ditch pavements at an elevation 6" above the inlet flowline or ditch bottom when directed by the Engineer. Concrete apron and bordering sod are not required for stubbed outlets, but replacement sodding will be required at trenches for pipes stubbed into paved ditches.

Install a single outlet apron for separate outlet pipes of concrete pavement subdrainage from opposite directions in sag vertical curves.

Install backfill consisting of cohesive soils around outlet pipes.

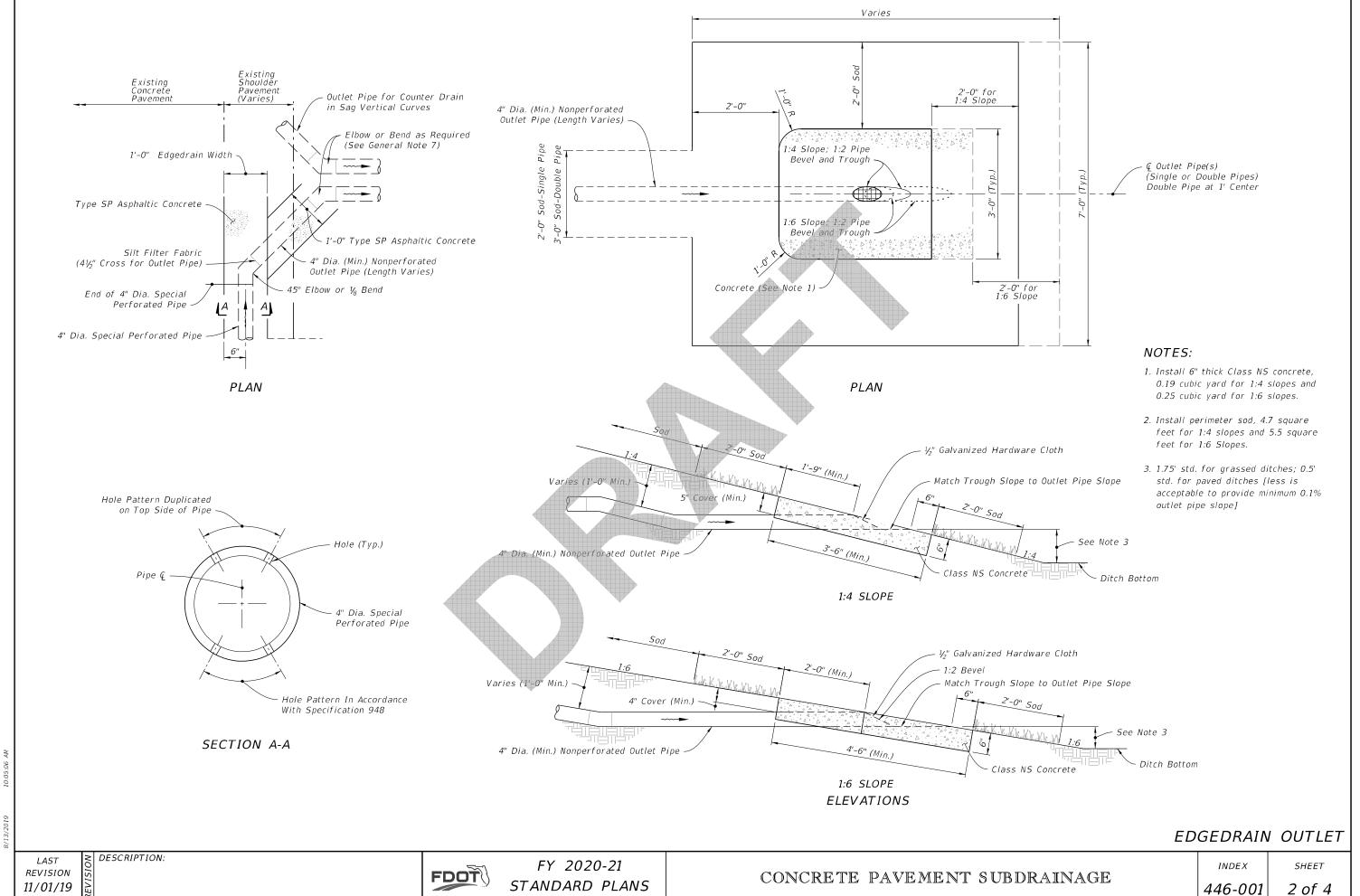
8. Replace existing paved shoulder removed for the construction of outlet pipes with Type SP asphaltic concrete at the rate of 500 LB per SY.

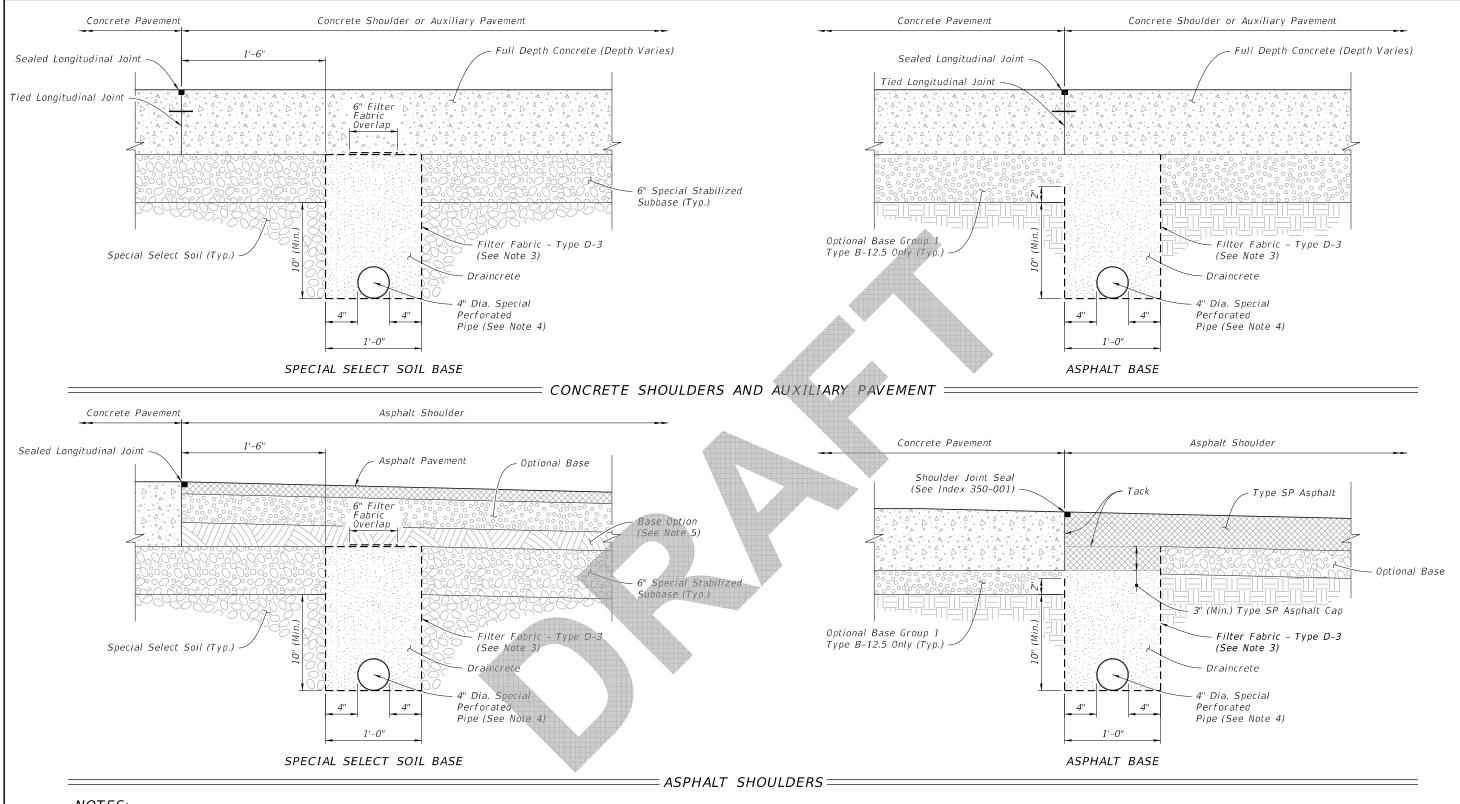
TABLE OF CONTENTS:		
Sheet	Description	
1	General Notes and Contents	
2	Edgedrain and Outlet	
3	New Construction	
4	Rehabilitation	



DRAINCRETE SUBDRAINAGE =

10:05:04 AM





#### NOTES:

DESCRIPTION:

- 1. The edgedrain sections for DRAINCRETE SUBDRAINAGE are applicable to pavement construction identified as RIGID PAVEMENT on Index 120-001.
- 2. Confine the construction of draincrete edgedrain to an area in which the entire operation can be carried out in five (5) work days, unless another construction period is called for in the plans, with sufficient time allowed for the draincrete to set before placement of pavement.
- 3. Install the filter fabric in accordance with Specification 514.
- 4. Install only noncorrugated or smooth lined corrugated pipe.
- 5. At the Contractor's option this area may be constructed of Optional Base material (Specification 285) or special stabilized subbase.

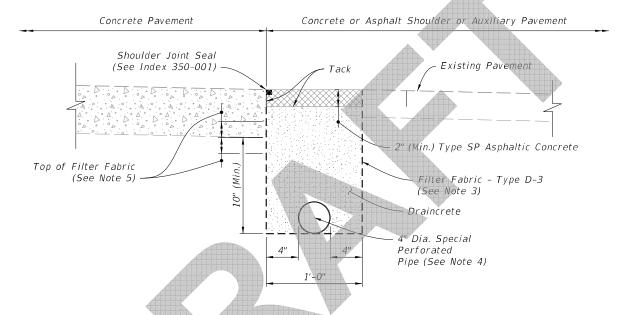
NEW CONSTRUCTION

LAST REVISION 11/01/19

FDOT

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## EXISTING SHOULDERS

#### NOTES:

- 1. The edgedrain sections for DRAINCRETE SUBDRAINAGE are applicable to pavement construction identified as RIGID PAVEMENT on Index 120-001.
- 2. Confine the construction of draincrete edgedrain to an area in which the entire operation can be carried out in five (5) work days, unless another construction period is called for in the plans, with sufficient time allowed for the draincrete to set before placement of pavement.
- 3. Install the filter fabric in accordance with Specification 514.
- 4. Install only noncorrugated or smooth lined corrugated pipe.
- 5. Install Filter Fabric 2" below bottom of pavement for cement stabilized, soil cement and econocrete subbases and 2" above bottom of pavement for other subbases.

REHABILITATION

LAST REVISION 11/01/19

DESCRIPTION:

FDOT

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