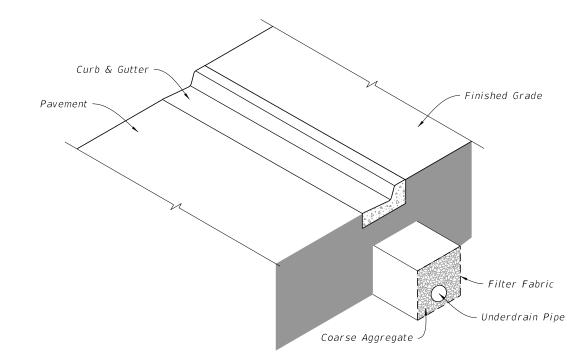
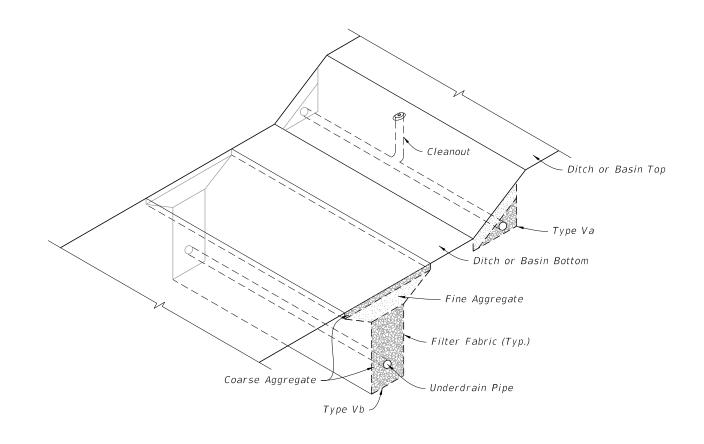
- 4" smooth interior equivalent to 5" corrugated interior
- 5" smooth interior equivalent to 6" corrugated interior
- 6" smooth interior equivalent to 8" corrugated interior
- 8" smooth interior equivalent to 10" corrugated interior
- 2. Fine aggregate is quartz sand meeting the requirements of Specifications 902-4.
- 3. Coarse aggregate is gravel or stone meeting the requirements of Specification 901-2 or 901-3. The gradation is in accordance with Specifications 901, Grades 4, 467, 5, 56 or 57 stone unless otherwise shown restricted in the Plans.
- 4. Install Underdrain Type I, II, III and V in accordance with Specification 440.
- 5. Install filter fabric Type D-3 in accordance with Specifications 985. The internal filter fabric of Type V underdrain has a permittivity of 0.7 /sec. and an AOS of #40 sieve.
- 6. When Type I is used, use a filter fabric sock in accordance with Specification 948.
- 7. See Index 120-002 for the standard location of Type I, II, and III underdrain. The location of Type V underdrain and nonstandard locations of Type I, II, and III underdrain will be as detailed in the plans.
- 8. Install filter fabric joints with a overlap a minimum of 1'. Install the internal filter fabric of Type V underdrain with an overlap into the coarse aggregate or the fine aggregate a minimum of 1'.
- 9. Use nonperforated pipes for underdrain outlet and make all bends using ½ (45 deg.) elbows. Construct 90 deg. bends with two ½ elbows separated by at least 1' of straight pipe. Outlet pipes stubbed into inlets or other drainage structures must be a minimum 6" above the structure flow line. Install concrete aprons, hardware cloth, and sod for outlet pipes discharging to grassed areas as shown in Index 446-001 for Edgedrain Outlets.

TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Type I, II, and III Underdrains
3	Type Va, Vb, and Cleanout

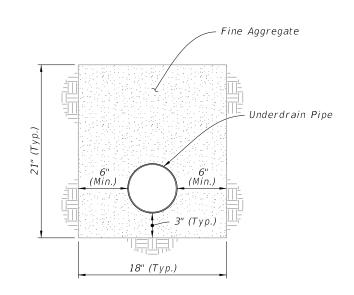


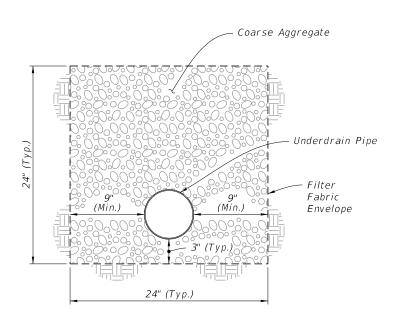
UNDERDRAIN TYPE I, II, AND III ASSEMBLY = (Type II Shown, Others Similar)

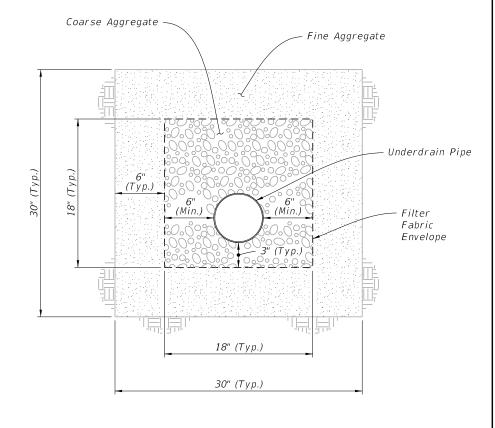


= UNDERDRAIN TYPE Va AND Vb ASSEMBLY =

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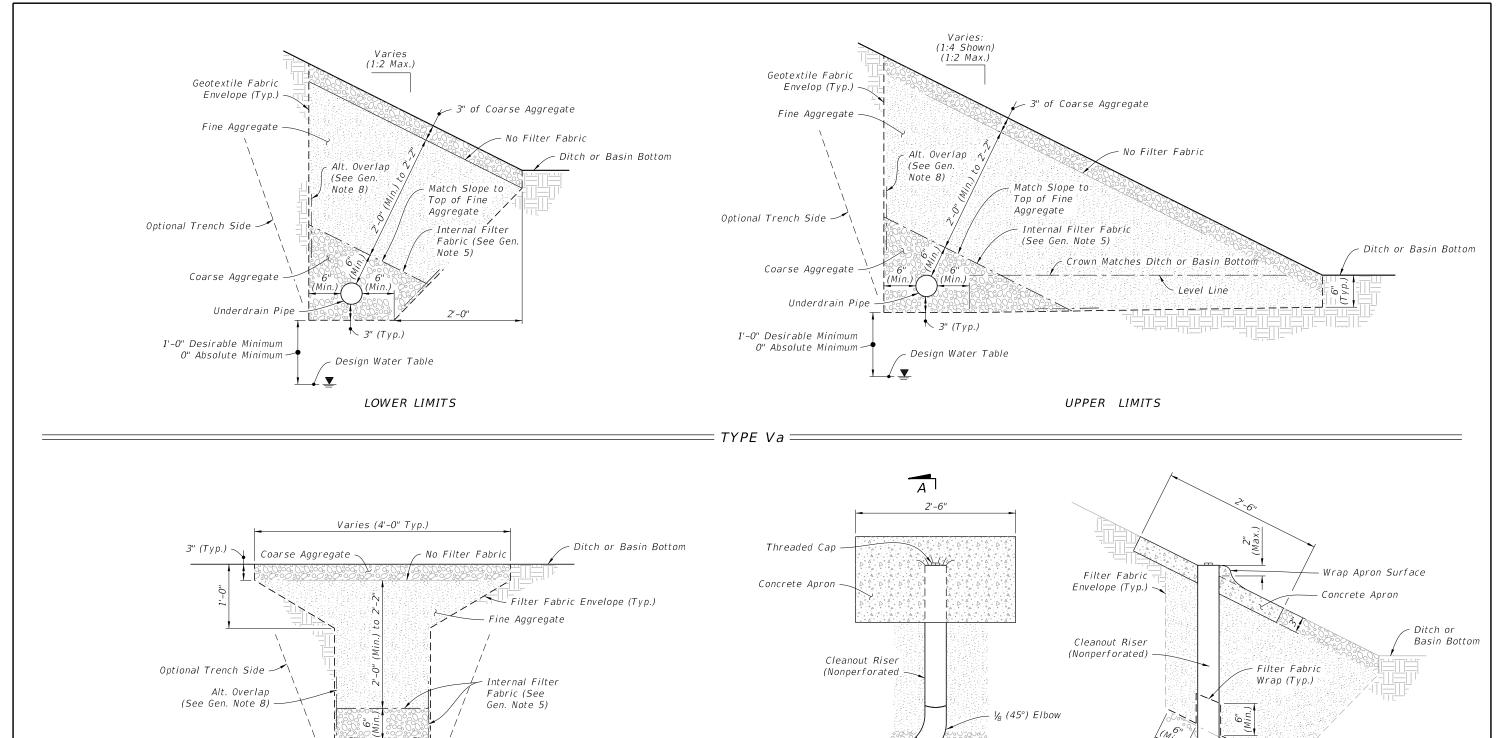
=TYPE I==

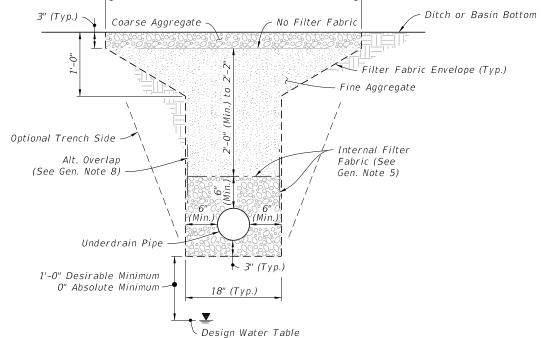
=TYPE II===

=TYPE III=

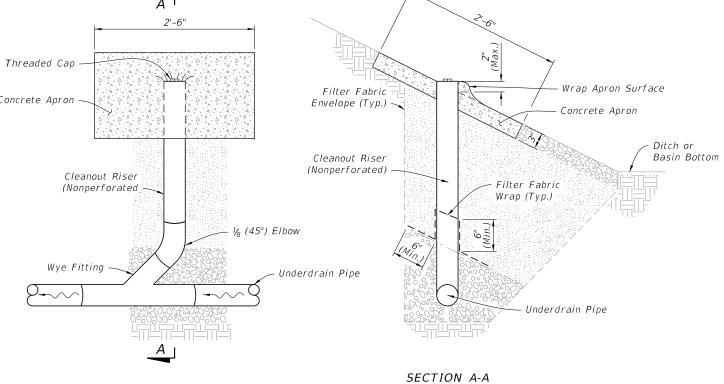
≥ DESCRIPTION: LAST REVISION 11/01/19

FDOT





TYPE Vb



= TYPE  ${ t V}$  CLEANOUT =

TYPE Va, Vb, AND CLEANOUT

**REVISION** 11/01/19

FDOT

FY 2022-23 STANDARD PLANS

UNDERDRAIN

INDEX 440-001

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