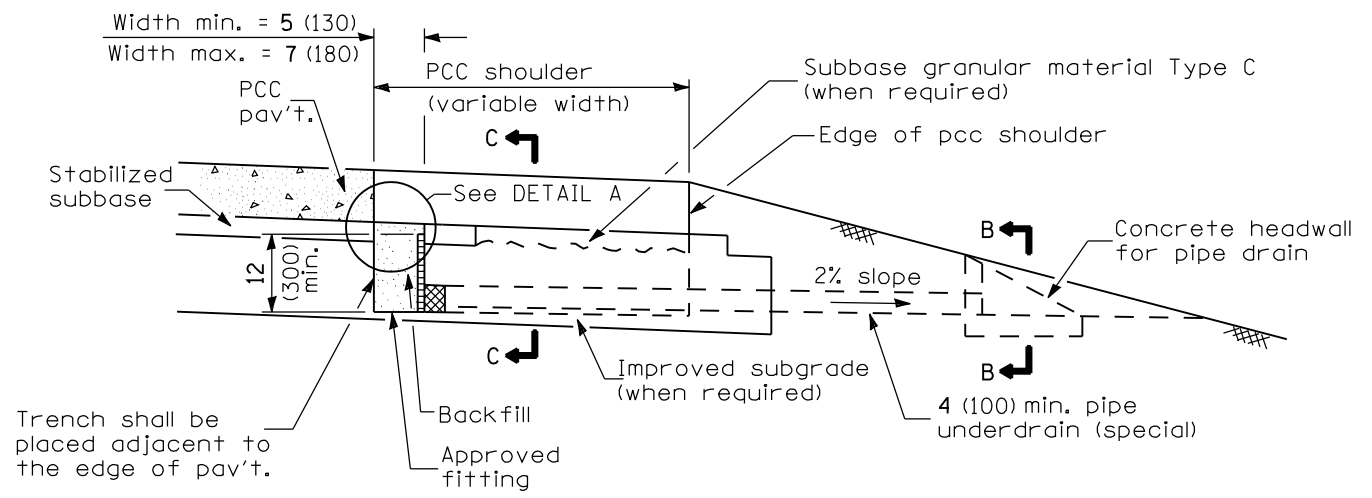
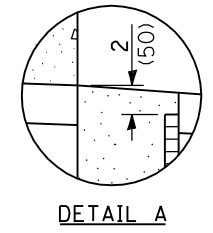


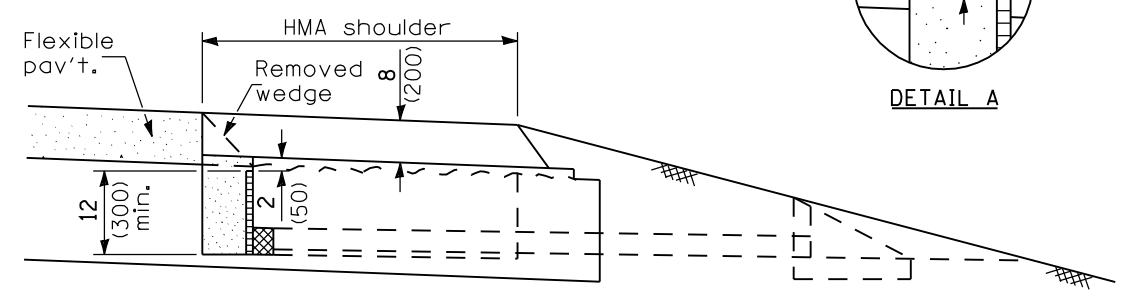
PLAN



**SECTION A-A
(PCC Shoulder)**



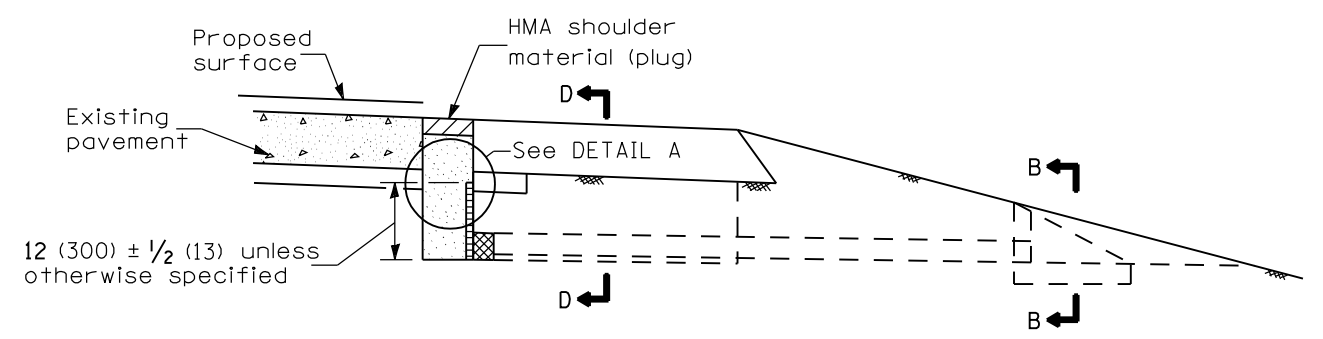
DETAIL A



**SECTION A-A
(HMA Shoulder)**

(Dimensions and notes not shown shall be as shown in the above Section A-A)

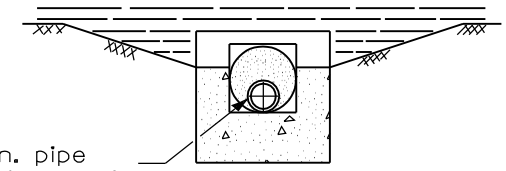
**NEW CONSTRUCTION
(TRENCH FOR DRAINAGE MAT UNDERDRAIN OPTION)**



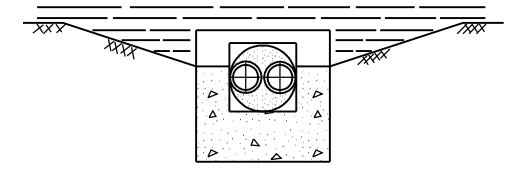
SECTION A-A

**EXISTING CONSTRUCTION
(TRENCH FOR DRAINAGE MAT UNDERDRAIN OPTION)**

(Except as noted or shown, dimensions and notes specified for Existing Construction are the same as those of New Construction)



SECTION B-B



**SECTION B-B
(Sag locations)**

GENERAL NOTES

- See Standard 601101 for details of concrete headwall.
- See Standards 482001, 482006 and 483001 for details of shoulders not shown.
- The 24 (600) radius on the drainage fitting is only a minimum. Larger radii meeting the approval of the Engineer may be substituted.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009
Scott Schick
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2009
Ken E. Han
 ENGINEER OF DESIGN AND ENVIRONMENT

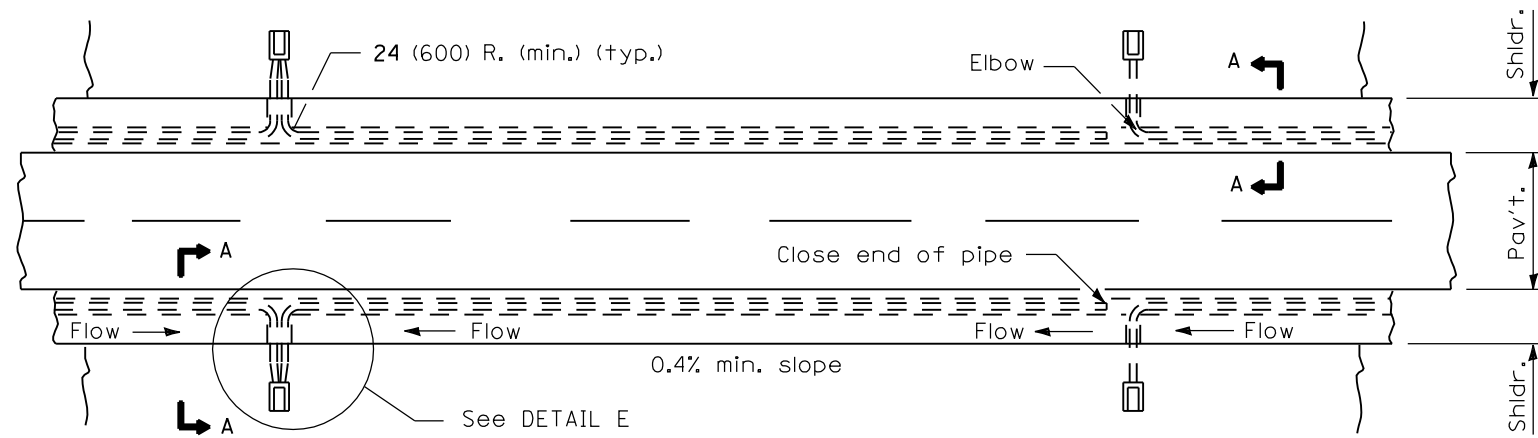
ISSUED 1-1-07

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-08	Changed "FA-1 or FA-2" to Backfill.

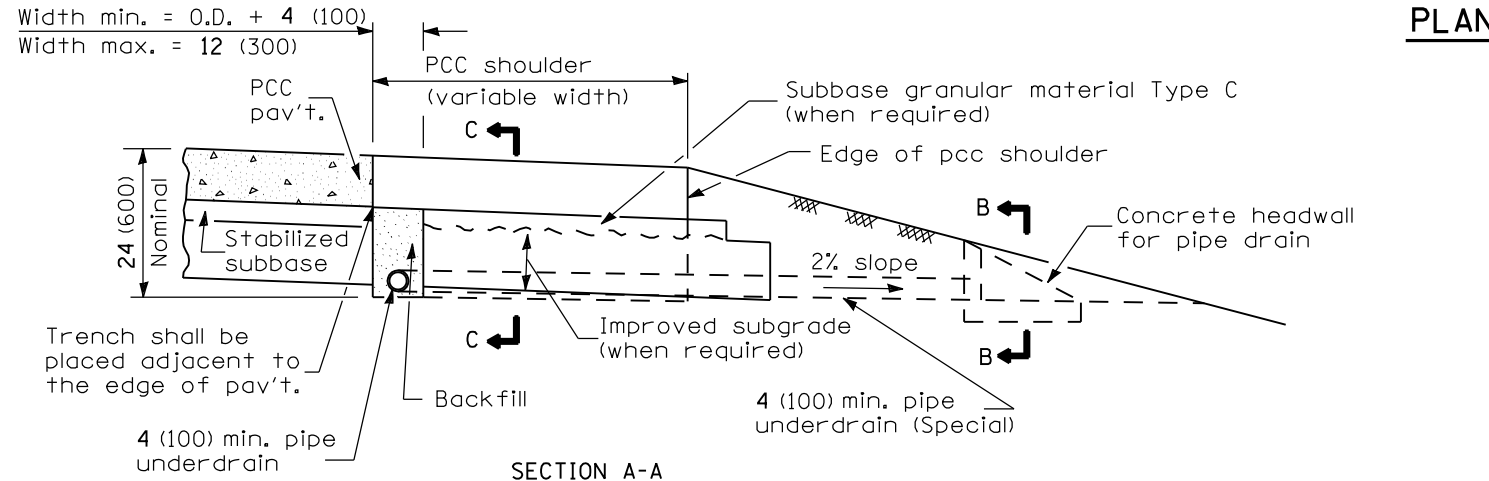
SUB-SURFACE DRAINS

(Sheet 1 of 2)

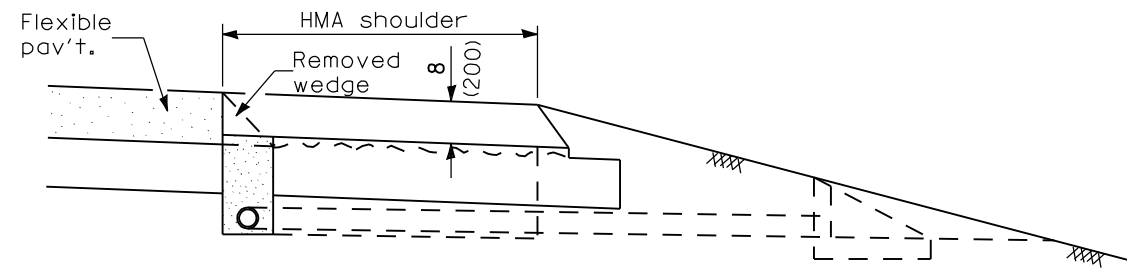
STANDARD 601001-03



PLAN

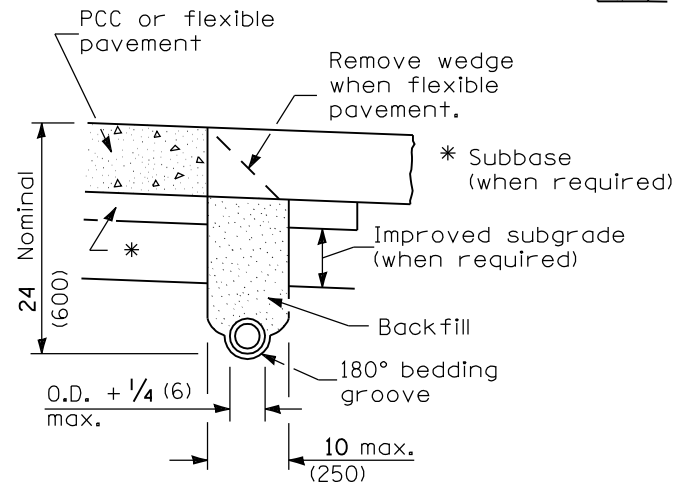


SECTION A-A



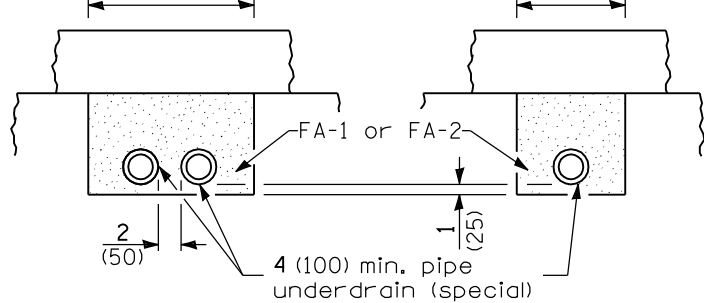
SECTION A-A

(Dimensions and notes not shown shall be as shown in the above Section A-A)



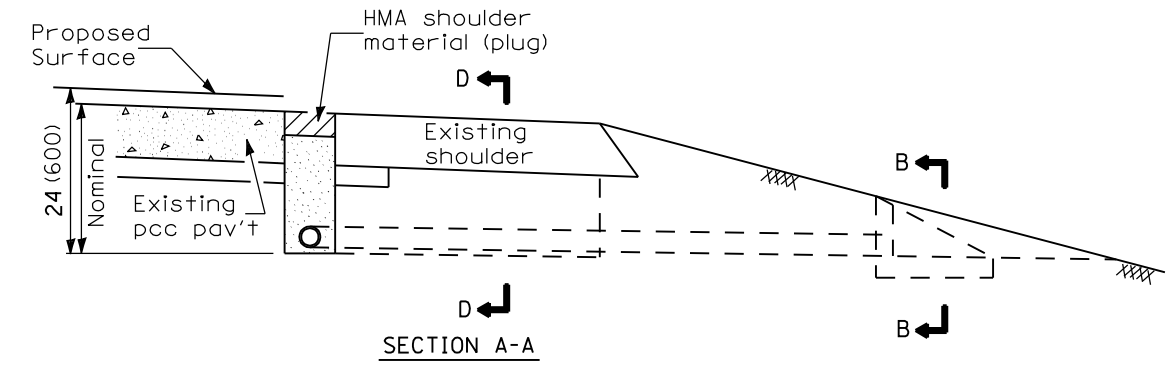
TRENCH FOR CORRUGATED POLYETHYLENE TUBING ALTERNATE

Width min. = $(2 \times \text{O.D.}) + 6$ (150) Width min. = $\text{O.D.} + 4$ (100)
 Width max. = 18 (450) Width max. = 12 (300)

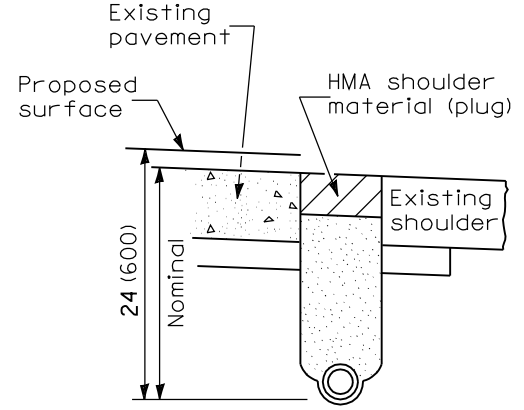


SECTION C-C
(Sag locations)

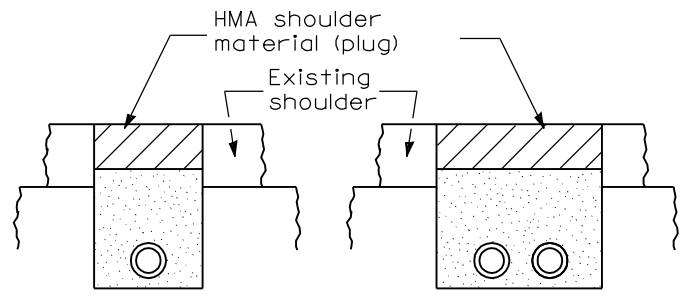
SECTION C-C



SECTION A-A



TRENCH FOR CORRUGATED POLYETHYLENE TUBING ALTERNATE

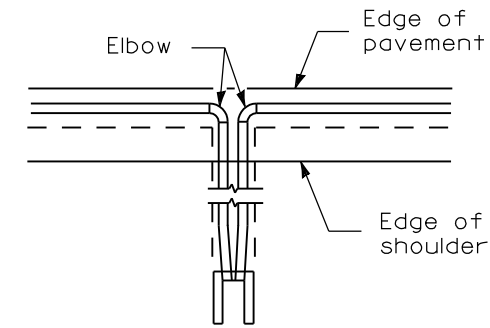


SECTION D-D

SECTION D-D
(Sag Locations)

EXISTING CONSTRUCTION

(Except as noted or shown, dimensions and notes specified for Existing Construction are the same as those of New Construction)



DETAIL E

NEW CONSTRUCTION

Illinois Department of Transportation
 PASSED January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

SUB-SURFACE DRAINS

(Sheet 2 of 2)

STANDARD 601001-03