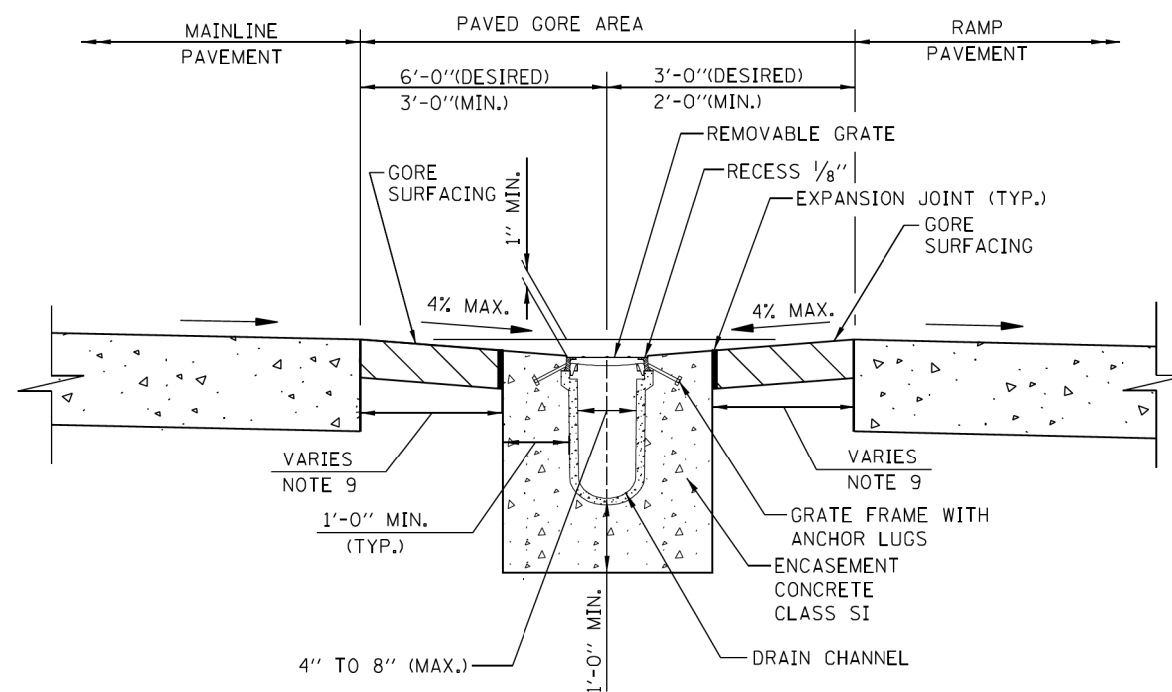


PLAN



SECTION A-A  
DRAIN CHANNEL INSTALLATION

NOTES:

1. OUTLET PIPES AND PREFORMED CHANNEL INVERTS SHALL BE SLOPED AT 0.6% OR STEEPER TOWARD OUTLET REGARDLESS OF THE SURFACE SLOPE.
2. TRENCH DRAIN MAY BE STUBBED DIRECTLY INTO DRAINAGE STRUCTURES OR OUTLET PIPES MAY BE USED TO CONNECT TRENCH DRAIN TO DRAINAGE STRUCTURES.
3. A CLEAN-OUT PORT COMPATIBLE WITH THE MANUFACTURED SYSTEM SHALL BE PROVIDED FOR TRENCH DRAINS AT THE UPSTREAM END AND AT INTERVALS NOT TO EXCEED 100 FEET. THE CLEAN-OUT SHALL HAVE A REMOVABLE LOAD RESISTANT COVER OR GRATE.
4. TRENCH EXCAVATION MUST ALLOW FOR A MINIMUM OF 12 INCHES OF CONCRETE TO BE PLACED UNDER AND ALONGSIDE THE TRENCH DRAIN CHANNEL SYSTEM.
5. THE FINISHED LEVEL OF CONCRETE MUST BE APPROXIMATELY 1/8" ABOVE THE TOP OF THE DRAIN CHANNEL.
6. TRENCH DRAINS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS DETAILS AND SPECIFICATIONS.
7. PROVIDE 1" EXPANSION JOINT WITH PREFORMED JOINT FILLER BETWEEN PAVED SHOULDER AND TRENCH DRAIN ENCASEMENT.
8. ALL SLOPES ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL PLACEMENT (V:H).
9. WHEN THE CONCRETE ENCASEMENT FOR TRENCH DRAIN IS WITHIN 6' OF THE PAVEMENT, REPLACE THE GORE SURFACING WITH CLASS SI CONCRETE 9" DEPTH; PAY ITEM: PORTLAND CEMENT CONCRETE SHOULDER (9").

SHEET 1 OF 2



DATE	REVISIONS
1-1-2011	DELETED SLOTTED DRAIN ADDED TRENCH DRAIN

TRENCH DRAIN DETAIL

STANDARD B12-02

APPROVED: *Paul Kovacs*  
CHIEF ENGINEER DATE: 1-1-2011

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com



FILE NAME = #FILES#

USER NAME = default

DESIGNED -

REVISED -

DRAWN -

REVISED -

PLOT SCALE = H=1"=10' V=1"=5'

CHECKED - RGR

REVISED -

PLOT DATE = 6/18/2012

DATE - 6/19/2012

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TOLLWAY STANDARD DRAWING

SCALE:

SHEET NO. N/A OF N/A SHEETS

STA.

TO STA.

F.A. RTE.

94

SECTION

49-1-R-1

COUNTY

LAKE

TOTAL SHEETS

677

SHEET NO.

624

CONTRACT NO. 60L77

ILLINOIS FED. AID PROJECT

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