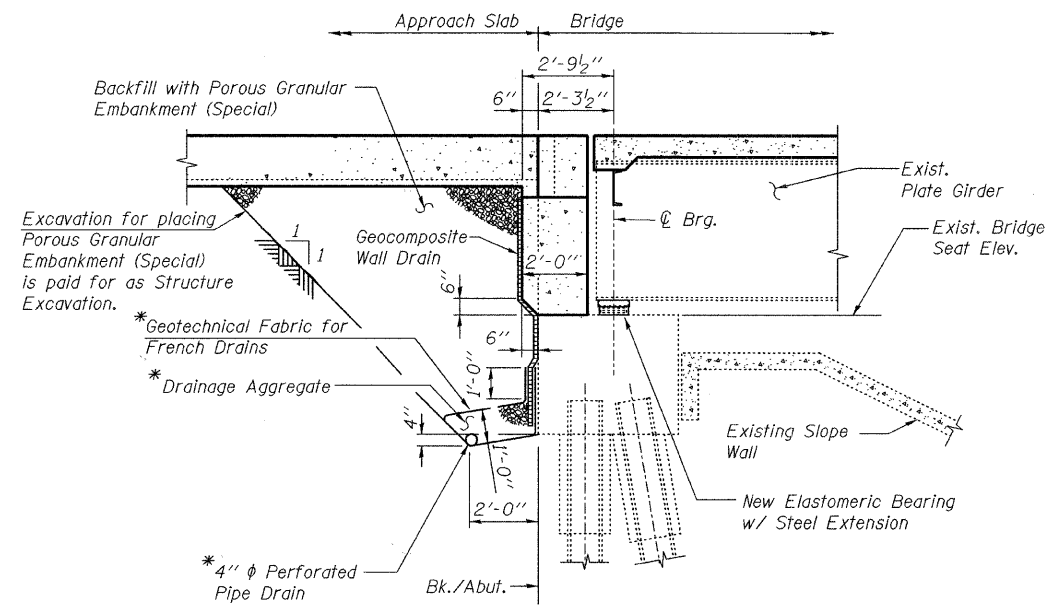
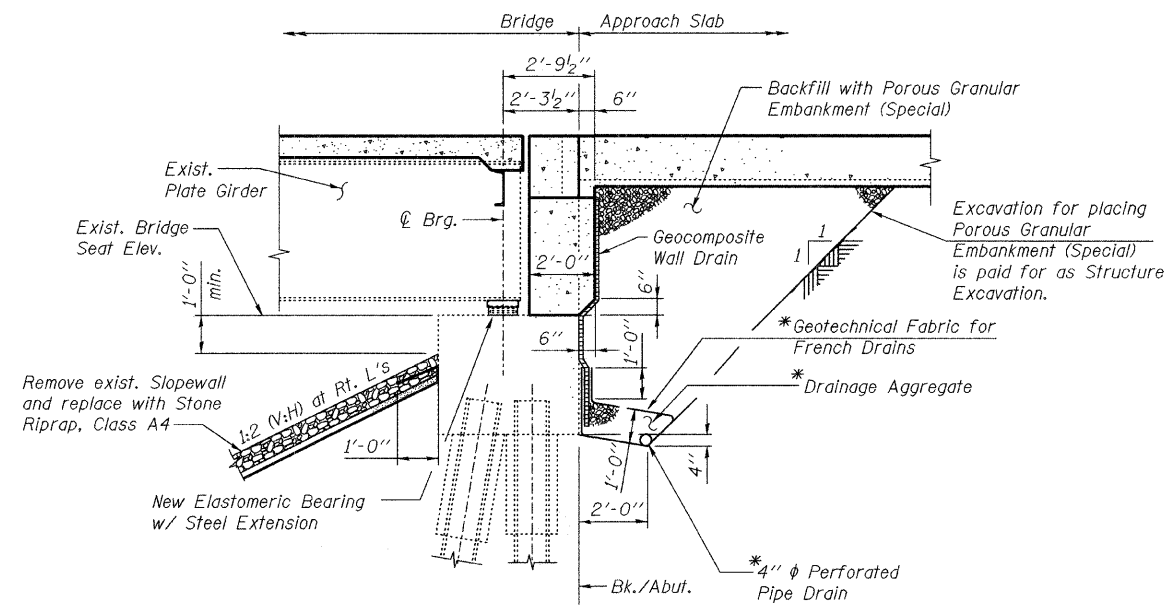


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION THRU NORTH ABUTMENT

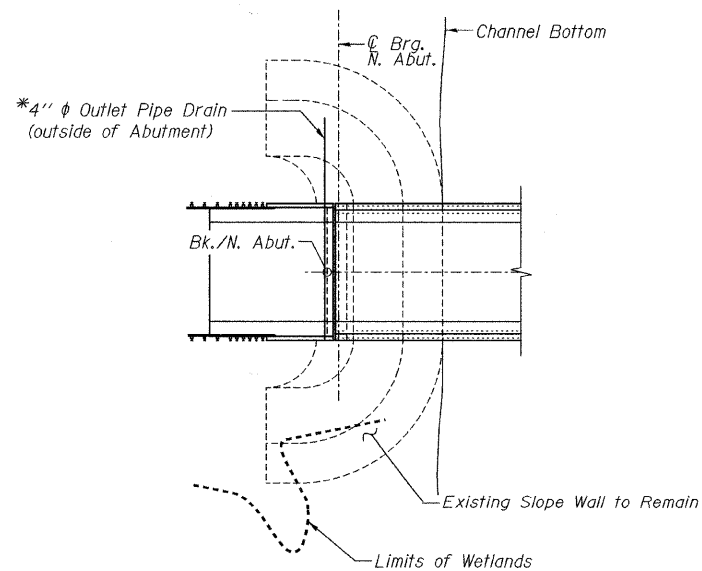
(Horiz. dim. @ Rt. L's)



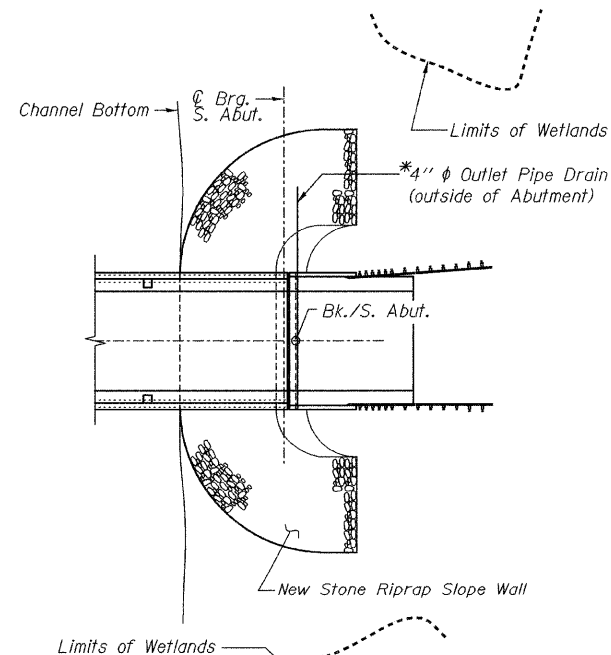
SECTION THRU SOUTH ABUTMENT

(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures 4".



AT NORTH ABUTMENT



AT SOUTH ABUTMENT

PIPE DRAIN LAYOUT

(Slope pipes such that water drains to the East.)

NOTE:

All drainage system components shall extend parallel to the abutment backwall until they intersect the wingwalls. The pipe shall extend under the existing wingwall until exiting through the slope wall a minimum of 3". At the North Abutment, the resulting gap between the underdrain and existing concrete slope wall shall be grouted. The cost to install the underdrain through the existing embankment and to grout shall be included in the cost of Pipe Underdrains for Structures 4".

DESIGNED -	JLS
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB

benesch

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312-566-0450 Job No. 3808.02

**ABUTMENT DETAILS 3 OF 3
STRUCTURE NO. 099-3298**

SHEET NO. S29	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	341	04-00090-07-BR	WILL	57	37
S47 SHEETS	CONTRACT NO. 63442				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			