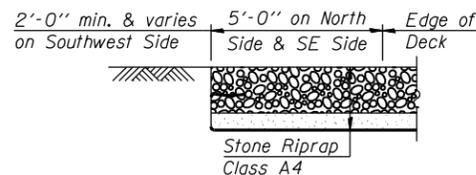


LEGEND

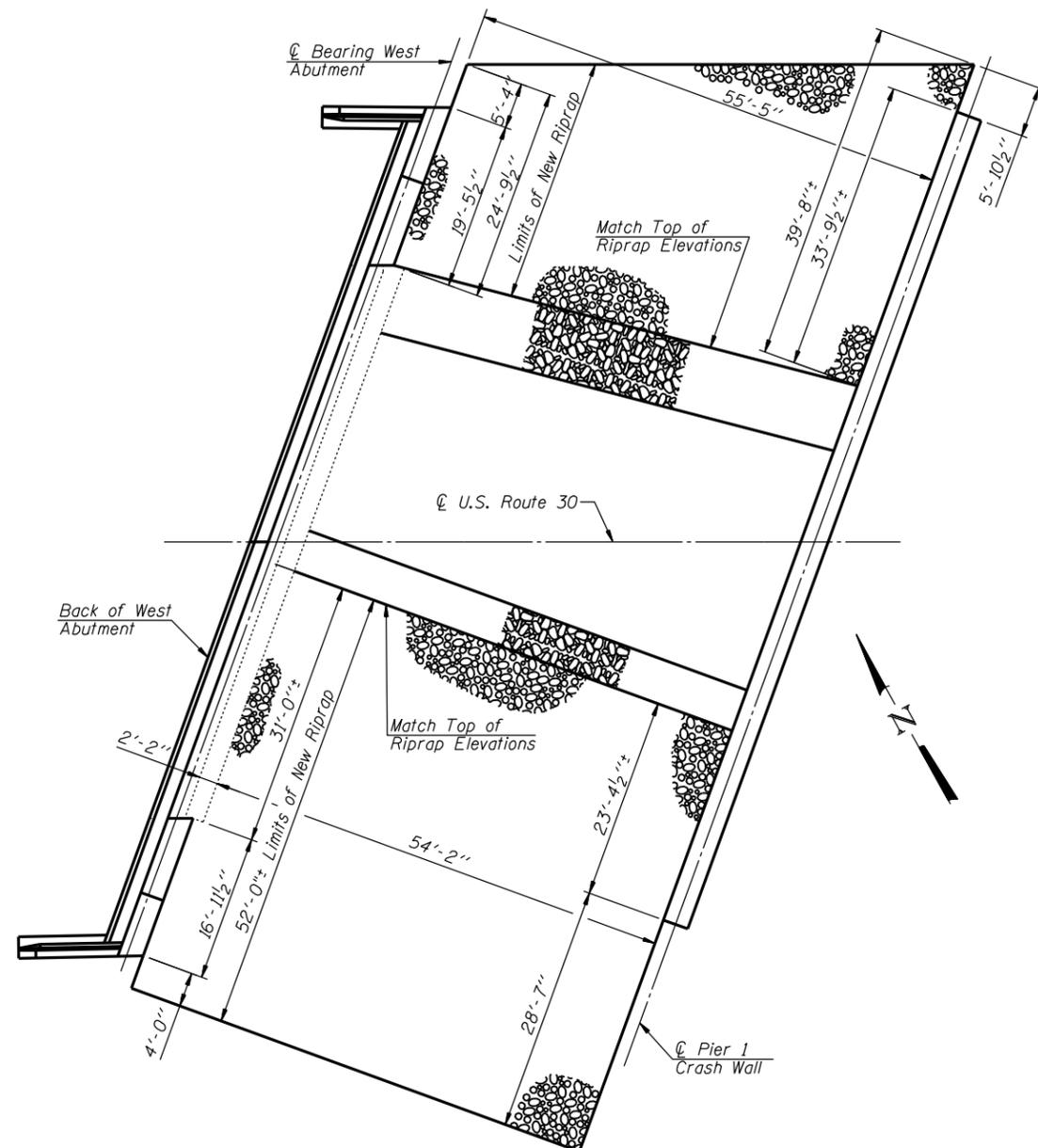
-  Indicates Stone Riprap Class A4
-  Indicates Existing Riprap
-  Indicates Porous Granular Embankment, Special

NOTES:

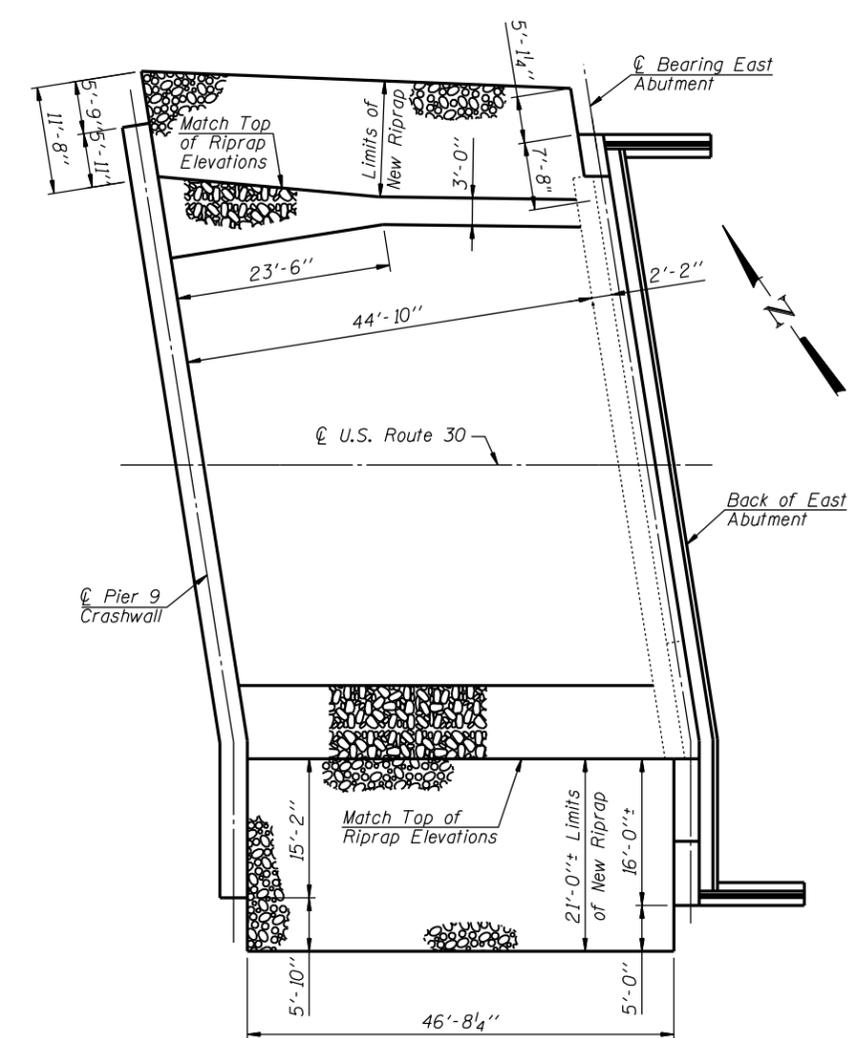
1. All drainage system components shall extend to the inside face of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)
2. * Items included in the cost of Pipe Underdrains for Structures 4".
3. Dimensions and locations of Existing Riprap are approximate.
4. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.



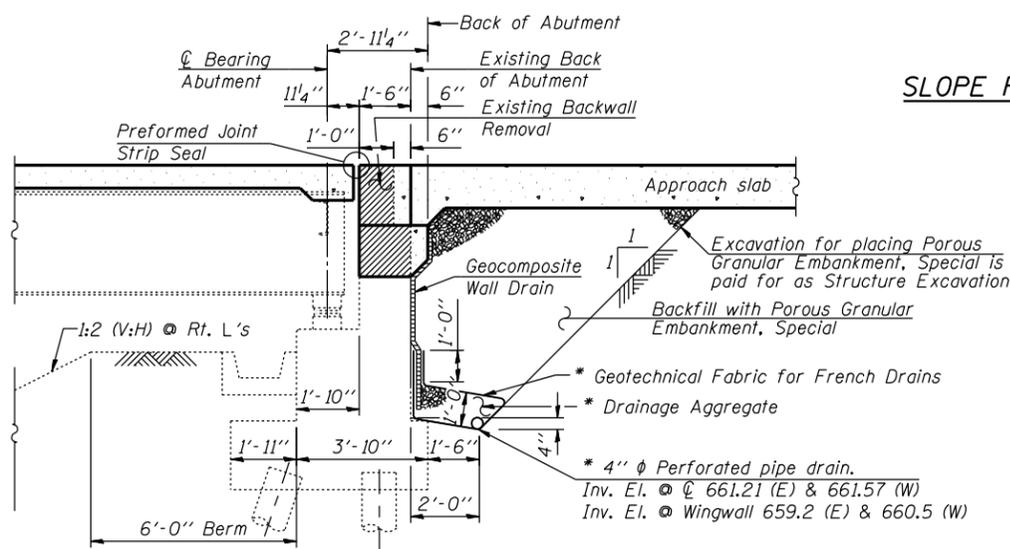
SECTION THRU EDGE OF SLOPE PROTECTION



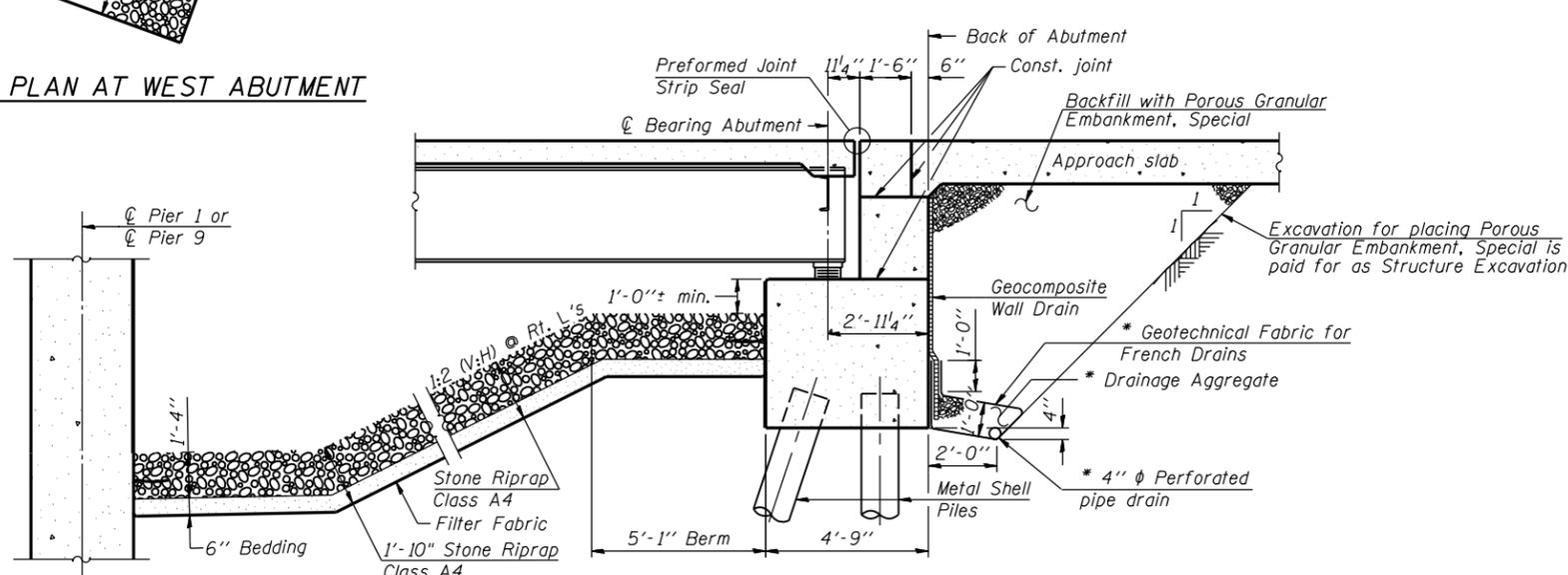
SLOPE PROTECTION PLAN AT WEST ABUTMENT



SLOPE PROTECTION PLAN AT EAST ABUTMENT



SECTION THRU MODIFIED EXISTING ABUTMENT
(Horiz. Dimensions are @ Rt. L's)



SECTION THRU TOE OF SLOPE PROTECTION

SECTION THRU ABUTMENT EXTENSIONS
(Horiz. Dimensions are @ Rt. L's)

P:\10522010\20103003\cadd\structure\dwg\045-0039_final\00.DWG\033-e062-abut-drrng.dgn
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GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED - J.J.G. 6/15/2012	REVISIONS -
	CHECKED - J.A.Z. 6/15/2012	REVISIONS -
PLOT SCALE =	DRAWN - E.U.B. 6/15/2012	REVISIONS -
PLOT DATE =	CHECKED - J.J.G. 6/15/2012	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DRAINAGE, EXCAVATION & RIPRAP
STRUCTURE NO. 045-0039**

SHEET NO. S62 OF 116 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	283
CONTRACT NO. 60133				

ILLINOIS FED. AID PROJECT