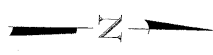
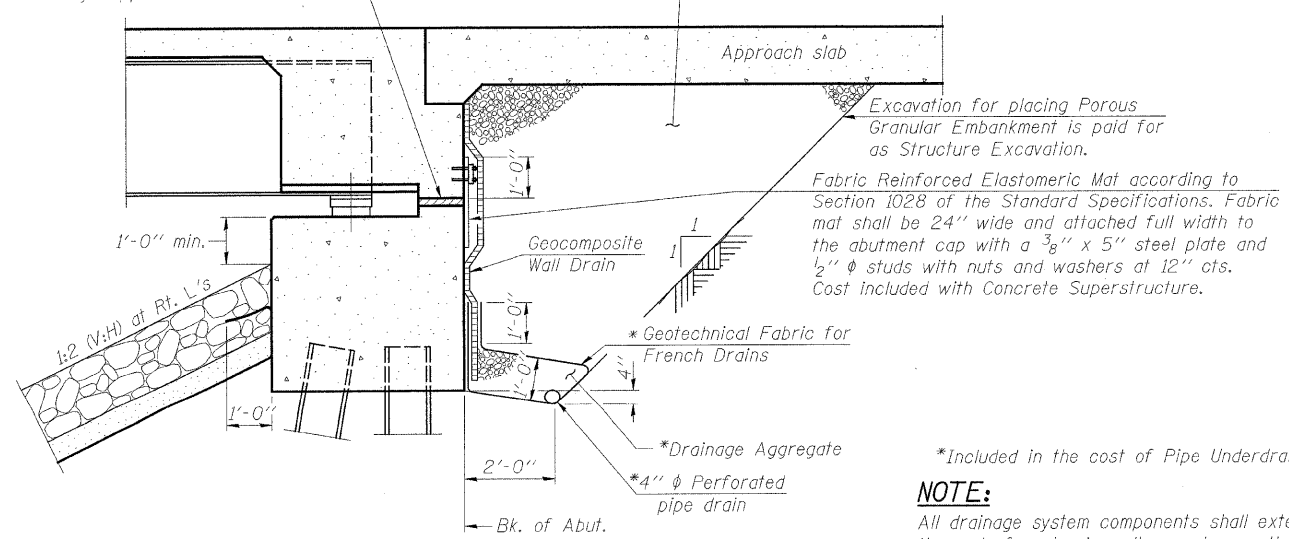


PLAN VIEW



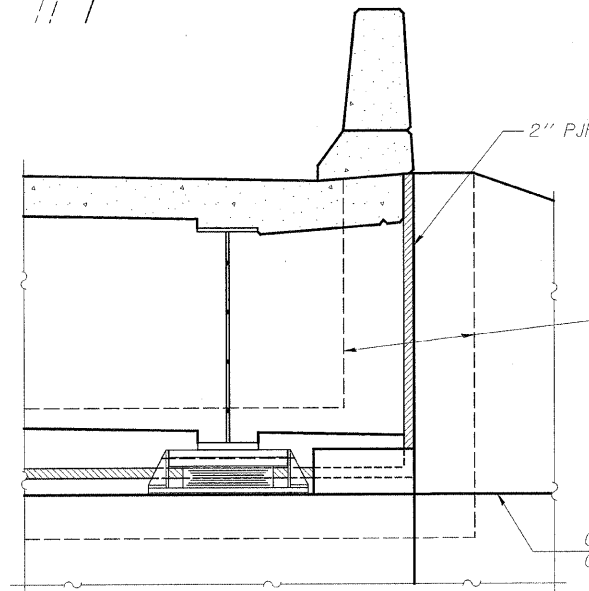
2" PJF (per Article 1051.08 of the Standard Specifications) full width and vertically at edges bonded to abutment cap with suitable adhesive as recommended by supplier.

Backfill with Porous Granular Embankment, by Bridge Contractor after superstructure is in place.

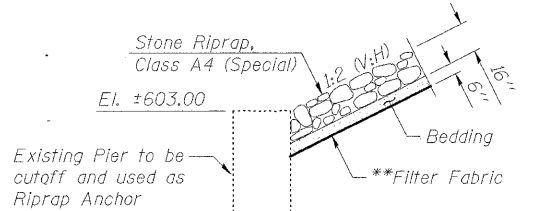


SECTION THRU SEMI-INTEGRAL ABUTMENT
(Horiz. dim. at Rt. L's)

NOTE:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes.



DIAPHRAGM ELEVATION AT ABUTMENT



SECTION A-A

**Cost included with Stone Riprap, Class A4 (Special)

BILL OF MATERIAL

Item	Unit	Quantity
Stone Riprap, Class A4 (Special)	Ton	137
Stone Riprap, Class A3 (Special)	Ton	900

**RIPRAP AND PILE LAYOUT
PIER #2 AND NORTH ABUTMENT
C.H. 8 OVER IOWA INTERSTATE RAILROAD
& THE HENNEPIN CANAL
STATION 36+00
S.N. 006-3247
WHA #1066D05**

STRUCTURAL SHEET NO. 4B OF 33B SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	188	05-00195-00-BR	BUREAU	127	70
FED. ROAD DIST. NO. 7			ILLINOIS FED. AID PROJECT BRS-0188(118)		
				CONTRACT NO. 87380	