

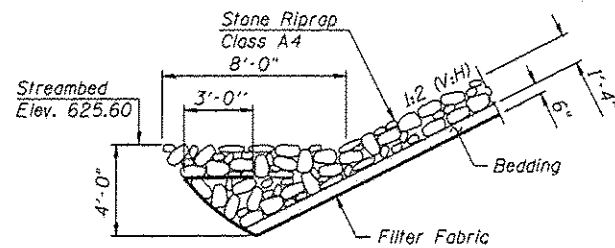
**GENERAL NOTES**

Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60.

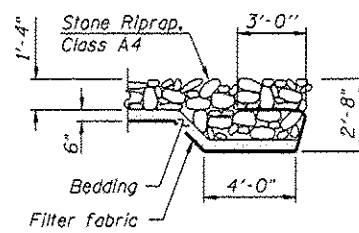
Reinforcement bars designated (E) shall be epoxy coated.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.



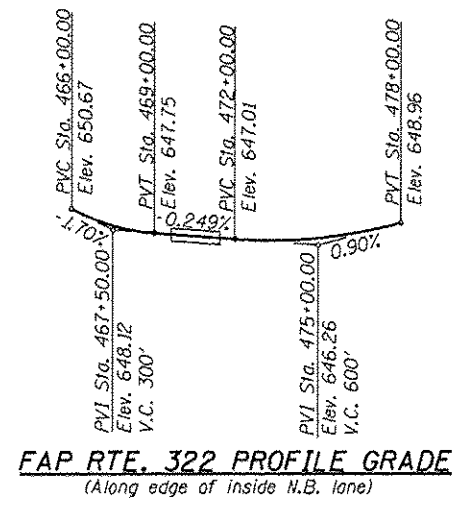
**SECTION A-A**



**SECTION B-B**

STATION 470+20.01  
BUILT 20 BY  
STATE OF ILLINOIS  
F.A.P. RT. 322 SEC. 11-13  
LOADING HS20  
STR. NO. 011-0038

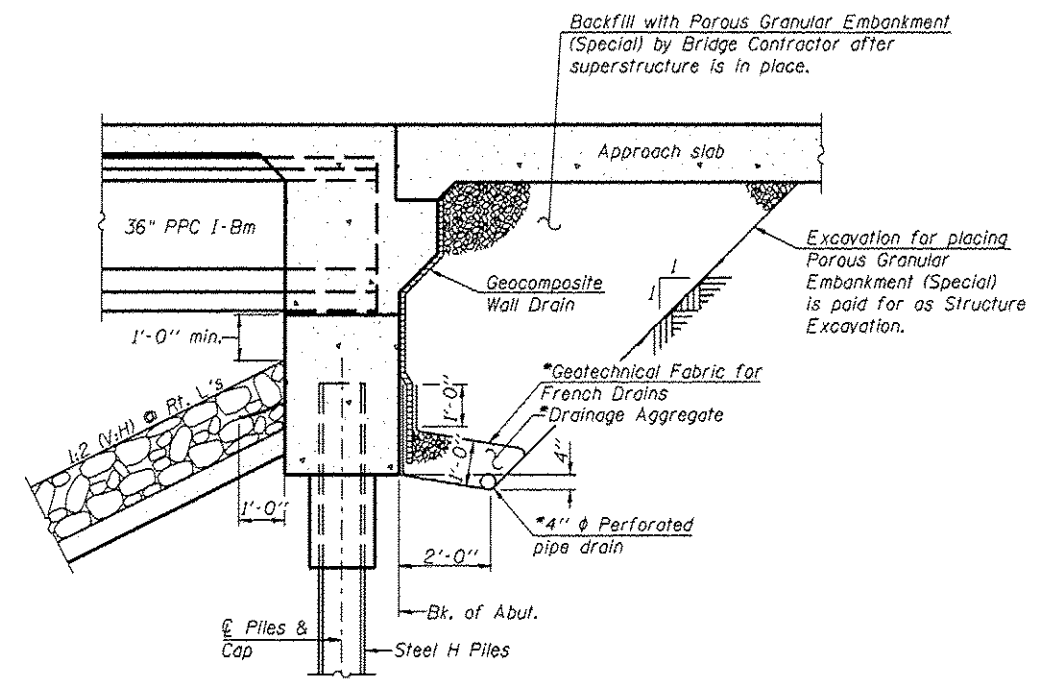
**NAME PLATE**  
See Std. 515001



**FAP RTE. 322 PROFILE GRADE**  
(Along edge of inside H.B. lane)

The profile grade shows the final elevations after grinding.

**REVISION 1-7-13**



**SECTION THRU INTEGRAL ABUTMENT**  
(Horiz. dim. @ Rt. L's)

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

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. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110).

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.	-	1234	1234
Filter Fabric	Sq. Yd.	-	1234	1234
Structure Excavation	Cu. Yd.	-	292	292
Cofferdam Excavation	Cu. Yd.	-	5	5
Cofferdam (Type 1) - Location 1	Each	-	1	1
Cofferdam (Type 1) - Location 2	Each	-	1	1
Floor Drains	Each	14	-	14
Concrete Structures	Cu. Yd.	-	226.3	226.3
Concrete Superstructure	Cu. Yd.	349.6	-	349.6
Bridge Deck Grooving	Sq. Yd.	771	-	771
Concrete Encasement	Cu. Yd.	-	8.4	8.4
Protective Coat	Sq. Yd.	947	-	947
Furnishing and Erecting Precast Prestressed Concrete I-Beams 36"	Foot	714	-	714
Reinforcement Bars, Epoxy Coated	Pound	71440	22620	94060
Bar Splicers	Each	88	-	88
Furnishing Steel Piles HPI2x63	Foot	-	1436	1436
Driving Piles	Foot	-	1436	1436
Test Pile Steel HPI2x63	Each	-	2	2
Pile Shoes	Each	-	24	24
Name Plates	Each	1	-	1
Geocomposite Wall Drain	Sq. Yd.	-	76	76
Porous Granular Embankment, Special	Cu. Yd.	-	150	150
Pipe Underdrains for Structures, 4"	Foot	-	132	132
Diamond Grinding (Bridge Section)	Sq. Yd.	734	-	734