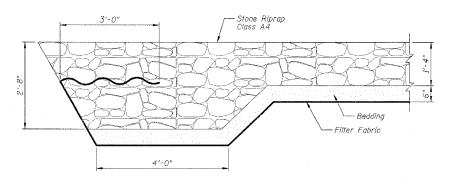


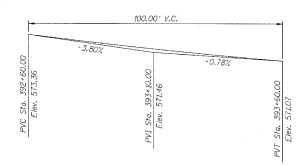
OF 6 SHEETS



CLASS A4 STONE RIPRAP DETAIL

WATERWAY INFORMATION

Drainage Are	a (Sq.	Mi.) =								394+00 394+00
Flood	Freq.	Q	Opening	(Sq. Ft.)	Ex. Nat.	Pr. Nat.	Неас	1- <i>F</i> †.	Headwo	ater El.
	Year	C.F.S.	Exist.	Prop.	H.W.E.	H.W.E.	Exist.	Prop.	Exist.	Prop.
	-		-	-	-	-	-	-	-	-
Design	50	509	30	-33	558.34	558.34	4.04	3.74	562.38	562.08
Base	100	590	32	35	558.51	558.51	5.14	4.30	563.65	562.81
Overtopping	-	-	-	-	-	-	-	-		-
Max. Calc.	500	787	35	38	558.82	558.82	7.66	5.64	566.48	564.46



PROFILE GRADE F.A.P. Rte. 627 (IL 71) (Along @ Roadway)

GENERAL NOTES:

11'-8" SECTION THRU BARREL *Confirm slab & wall thickness with precaster. *10"

*10"

- GENERAL NOTES:

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

 2.) Cast-in-place concrete expised edges shall be beveled \$\frac{3}{4}\$ in.

 3.) Class \$I\$ concrete shall be used throughout.

 4.) Reinforcement bars shall cinform to the requirements of AASHTO M31 or M322 Grade 60.

 5.) Reinforcement bars denoted (E) shall be epoxy coated.

 6.) It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction area free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included with the cost of "Concrete Structures."

 7.) See Sheets A4 and A5 for soll boring data.

 8.) Structural seel does not include design of precast elements.

 9.) The precast concrete culvet sections shall be designed and manufactured in accordance with AASHTO M259 (ASTM CT83.)

 10.) For bookfilling and embankment, see Standard Specifications.

 11.) End of precast section shall not have a bell or spigot.

 12.) The apron end sections shawn shall be cast-in-place.

 13.) The provident "Removal and Disposal of Unsuitable Material" shall include the excavation of unsuitable material to the top of the existing rock at Elevation *251.40 for a width of approximately 15"-8" within the limits of the proposed ast-in-place end-section as shown. If the distance between the 1"-0" of CA-7 and the top of the existing rock at Elevation *251.40 for a width of approximately 15"-8" within the field by the Engineer.

 14.) The pay item "Porous Granular MATERIAL" shall be approximately 15"-8" wide under the culvert. The "Porous Granular MATERIAL" shall be approximately 15"-8" wide under the culvert. "Porous Granular MATERIAL" shall be approximately 15"-8" wide under the proposed cast-in-place apron end-section. The actual amount shall be determined in the field by the Engineer.

 15.) Contractor to confirm all precast culvert dimensions with the supplier before starting const

TOTAL BILL OF MATERIALS

ITEMS .	UNITS	TOTAL
Removal & Disposal of Unsuitable Material	Cu Yd.	<i>88</i> -
Porous Granular MATERIAL	Cu Yd	88
Stone Riprap, Class A4	Sq Yd	105
Filter Fabric	Sq Yd	105
Removal of Existing Structures No. 1	Each	1
Rock Excavation for Structures	Cu Yd	1.0
Reinforcement Bars	Pound	3130
Reinforcement Bars Epoxy Coated	Pound	700
Concrete Structures	Cu Yd	35.0
Precast Concrete Box Culvert 10'x8'	Foot	70

NOTE:

Work this sheet with Sheets A1 and A3.

10'x8' PRECAST CONCRETE BOX CULVERT SECTION, DETAILS, GENERAL NOTES AND BILL OF MATERIALS

IL ROUTE 71 OVER TRIBUTARY TO ILLINOIS RIVER F.A.P. ROUTE 627 - SEC. (I-1) BR & I LA SALLE COUNTY STATION 393+00.00

	·	
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