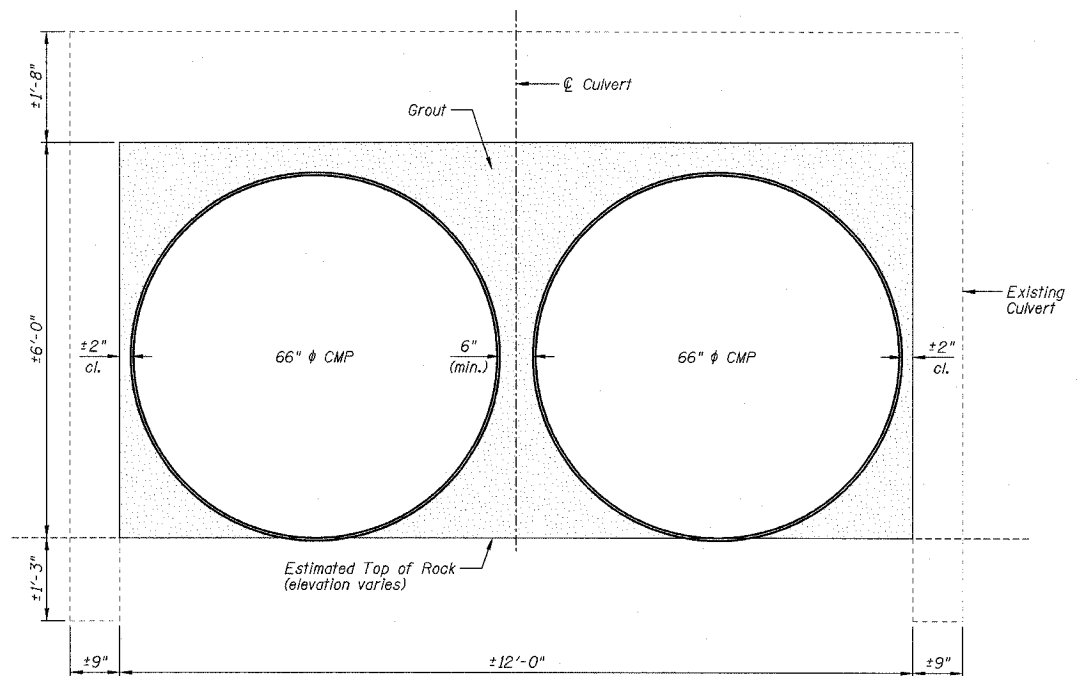
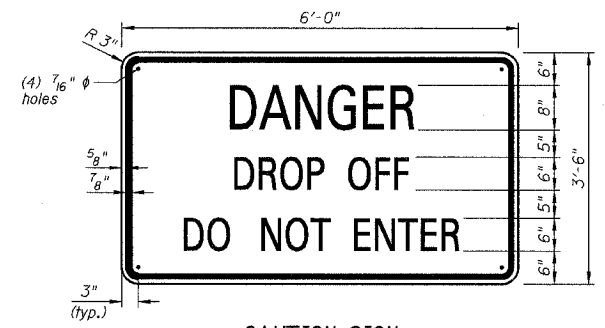


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(1-1)I-1	LA SALLE	60	30
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 66550			SHEET NO. C2	

OF 6 SHEETS



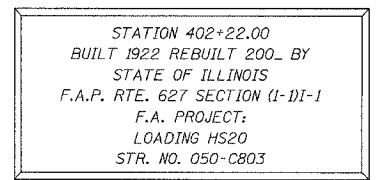
SECTION THRU STRUCTURE



CAUTION SIGN  
Sign Panel - Type 2

NOTES:

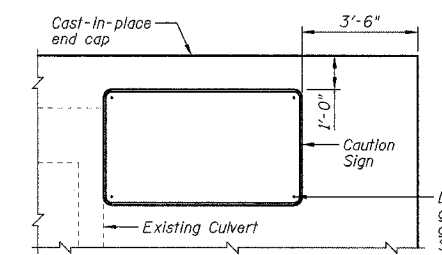
- 1.) Total Area Required = 21.0 Sq Ft
- 2.) 6" & 8" Series D letters
- 3.) Legend = Black
- 4.) Background = Yellow
- 5.) Only high intensity sheeting shall be used.



NAME PLATE DETAIL  
See Standard 515001

TOTAL CULVERT BILL OF MATERIALS

ITEMS	UNITS	TOTAL
Concrete Removal	Cu Yd	2.0
Structure Excavation	Cu Yd	17
Rock Excavation for Structures	Cu Yd	5
Concrete Structures	Cu Yd	26.0
Reinforcement Bars	Pound	5620
Name Plates	Each	1
Pipe Culvert, Class C, Type 5 66"	Foot	196
Sign Panel - Type 2	Sq Ft	21.0
Insertion Culvert Liner (Special)	Foot	196

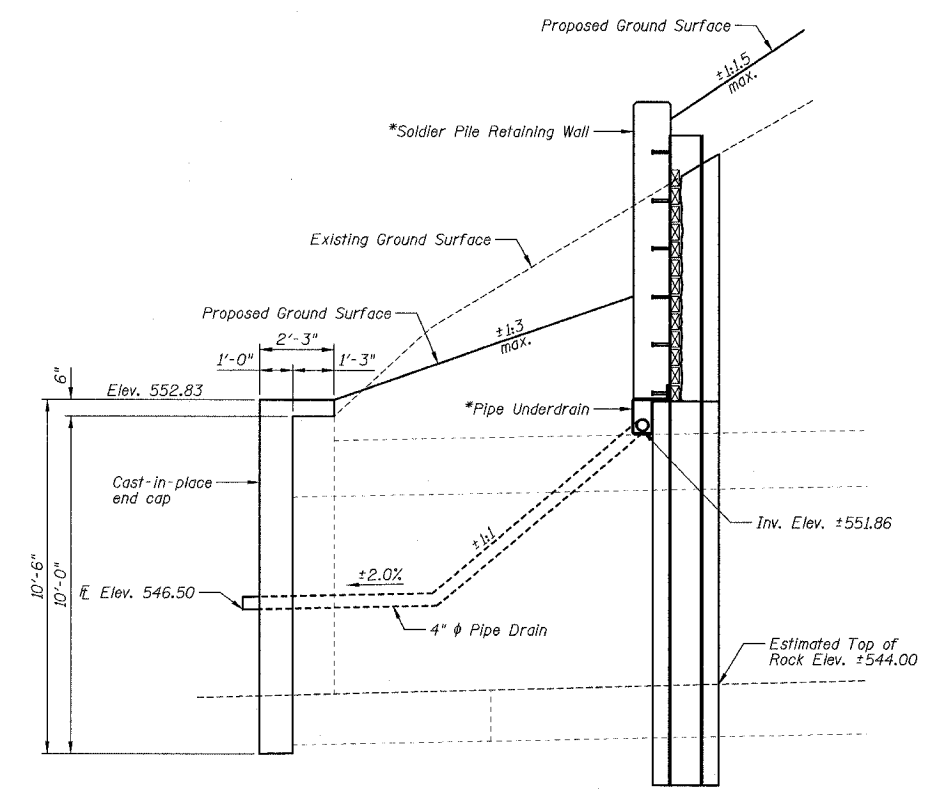


CAUTION SIGN LOCATION  
(Looking North)

Drill (4) 7/8" x 3 1/2" holes in the concrete and epoxy grout a 3/8" threaded rod (304). The type of epoxy grout shall be according to Section 584 of the Standard Specifications and approved by the Engineer. Cost included with "Sign Panel - Type 2".

GENERAL NOTES:

- 1.) Cast-in-place concrete exposed edges shall be beveled 3/4 in.
- 2.) Class SI concrete shall be used throughout.
- 3.) Reinforcement bars shall conform to the requirements of AASHTO M31, M42, or M53, Grade 60.
- 4.) It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction areas 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."
- 5.) See Soldier Pile Retaining Wall Plans, Structure No. 050-W003, Sheets D5 and D6 for boring data.
- 6.) Structural seal is for cast-in-place portion of structure only.
- 7.) The end caps shown shall be cast-in-place.
- 8.) Plan dimensions and details relative to existing structure have been taken from existing plans & field information and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.
- 9.) The pipe culvert sections shall be made from pre-coated galvanized corrugated steel sheets. The pre-coated steel sheets used to fabricate these pipe culvert sections shall conform to AASHTO M245 and M246, Grade 10/3. See Section 542 and 1006 of the Standard Specifications for more information.
- 10.) The cost of removing all loose and deteriorated concrete from within the existing box culvert in order to facilitate the placement of the 66" diameter pipe culvert sections shall be included in the pay item "Pipe Culvert, Class C, Type 5 66\"".
- 11.) The existing plans are provided for informational use only.
- 12.) Stainless steel threaded rod, nuts, and washers used for fastening the sign panel to the concrete wingwall, shall conform to ASTM A 276, Type 304. Nuts shall conform to A 240, Type 304.
- 13.) The existing rock surface within the box culvert shall be removed in order to facilitate the insertion of the 66" diameter pipe culvert sections as directed by the Engineer.
- 14.) Contractor to take caution when working near edge of cliff.



SECTION A-A

NOTES:

- 1.) Work this sheet with Sheets C1 and C4.
- 2.) For location of Section A-A see Sheet C1.
- 3.) See Soldier Pile Retaining Wall plans, Structure No. 050-W003, Sheets D1 thru D4.

WATERWAY INFORMATION

Drainage Area (Sq. Mi.) = 0.10 Existing Low Grade Elevation = 575.26 ft. @ Sta. 402+20  
Proposed Low Grade Elevation = 575.26 ft. @ Sta. 402+20

Flood	Freq. Year	Opening (Sq. Ft.)		Ex. Nat.Pr. Nat.		Head-Ft.		Headwater El.		
		Exist.	Prop.	H.W.E.	H.W.E.	Exist.	Prop.	Exist.	Prop.	
Design	50	196	40	36	545.60	545.91	3.32	3.94	548.92	549.85
Base	100	228	44	40	545.60	545.91	3.67	4.33	549.27	550.24
Overtopping	-	-	-	-	-	-	-	-	-	-
Max. Calc.	500	308	54	47	545.60	545.91	4.48	5.27	550.08	551.18

BOX CULVERT SECTION, DETAILS, GENERAL NOTES AND BILL OF MATERIALS

IL ROUTE 71  
OVER TRIBUTARY TO ILLINOIS RIVER  
F.A.P. ROUTE 627 - SEC. (1-1)I-1  
LA SALLE COUNTY  
STATION 402+22.00  
STRUCTURE NO. 050-C803

DESIGNED BY: J.M.L.  
DRAWN BY: D.J.M.  
CHECKED BY: M.S.W.

**Farnsworth GROUP**  
2700 McGraw Drive  
Bloomington, Illinois 61706  
808/853-8438, 808/853-1871 fax

FILE NO. 24-6772  
DATE 03-24-05  
SHEET NO. 30 OF 60