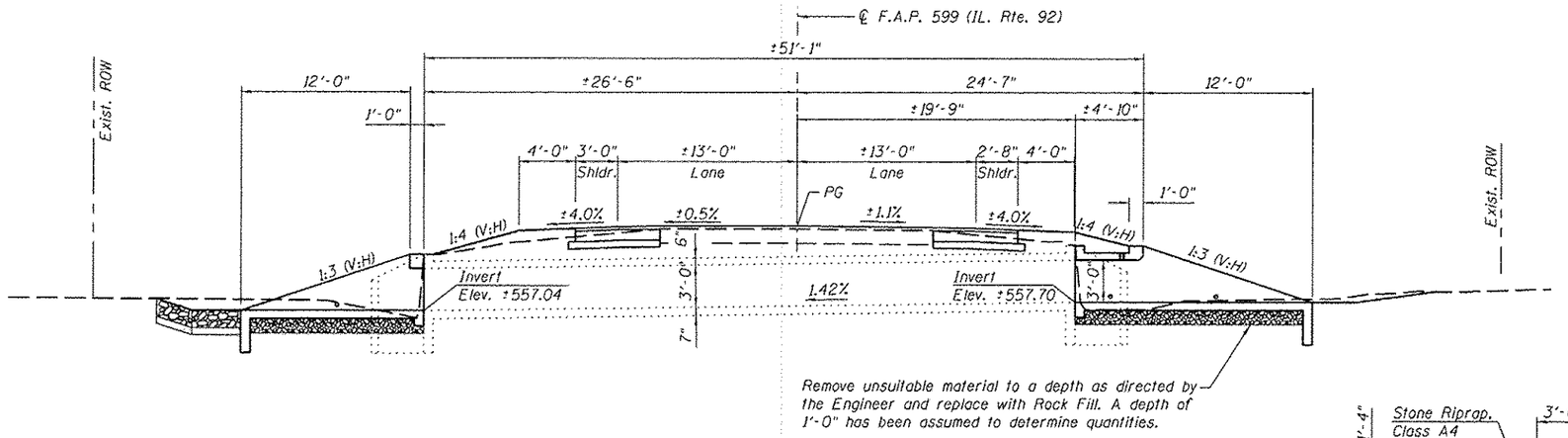
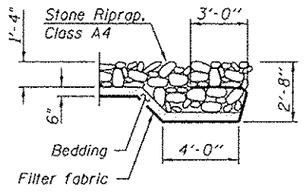
Existing Structure:
Single 4'x 3' box culvert built in 1947 under Section 83. The existing box will be extended to the north and south and cast in place end sections constructed. One lane of traffic to be maintained at all times utilizing staged construction.

No salvage.

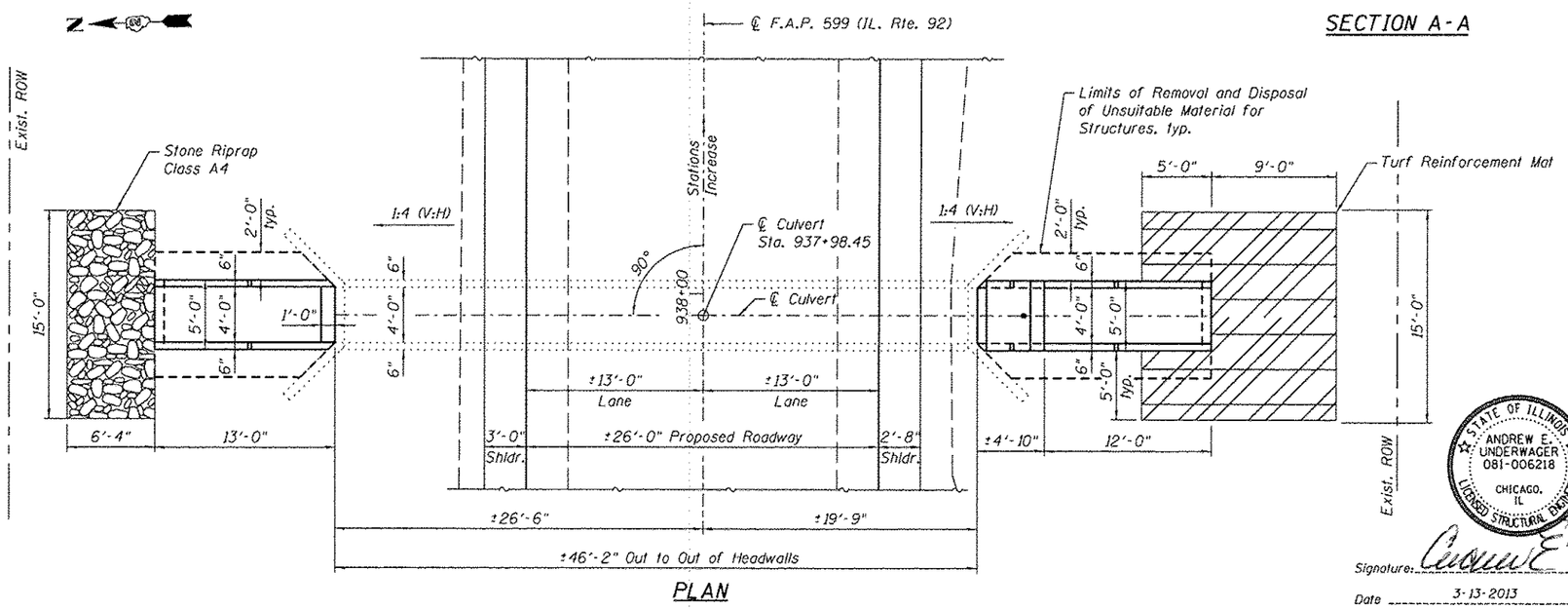


Remove unsuitable material to a depth as directed by the Engineer and replace with Rock Fill. A depth of 1'-0" has been assumed to determine quantities.

LONGITUDINAL SECTION



SECTION A-A



PLAN

GENERAL NOTES

1. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variatioins shall not be cause for additional compensatiion for a change in scoope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. All exposed concrete edges shall be chamfered $\frac{3}{4}$" unless otherwise noted.
3. All construction joints shall be bonded.
4. This work shall be done according to the applicable portion of of 501, 503, 505, 508, 540 and 584 of the Standard Specifications.
5. A precast option is not allowed at this location.
6. Drainage holes shall conform to the requirements of Article 503.11 of the Standard Specifications.
7. The Contract unit price "Each" for Box Culvert End Sections of the culvert end section specified shall include Concrete Box Culverts, Reinforcement Bars, Earth Excavation where required and necessary grading to fit the structures as shown, or to the slope.
8. Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Turf Reinforcement Mat	Sq. Yd.	21
Stone Riprap, Class A4	Sq. Yd.	11
Filter Fabric	Sq. Yd.	11
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	10
Box Culvert End Sections, Culvert No. 09	Each	1
Box Culvert End Sections, Culvert No. 10	Each	1
Traversable Pipe Grate	Foot	21.7
Rock Fill	Ton	18

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

INDEX OF SHEETS

STATE OF ILLINOIS
ANDREW E. UNDERWAGER
081-006218
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

Signature: Andrew E Underwager
Date 3-13-2013
License Expires: 11-30-2014

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 92
F.A.P. RTE 599 - SEC. (83MFT & 103MFT)W
ROCK ISLAND COUNTY
STATION 937+98.45

FILE NAME = W:\Projects\2818\128128 PTB 157\25Cadd\Structure\hDgn\WG #3 IL 92 Culvert\Station937+98.45\Final Submittal 13\8328-937+98.45-64H11-2813-GPE.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = hforstl	DESIGNED - AEU	REVISED -	
	CHECKED - DLS	REVISED -	
PLOT SCALE =	DRAWN - AH	REVISED -	
PLOT DATE = 3/20/2013	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STA. 937+98.45
SHEET NO. 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(83MFT & 103MFT)W	ROCK ISLAND	340	185
		CONTRACT NO. 64H11		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		