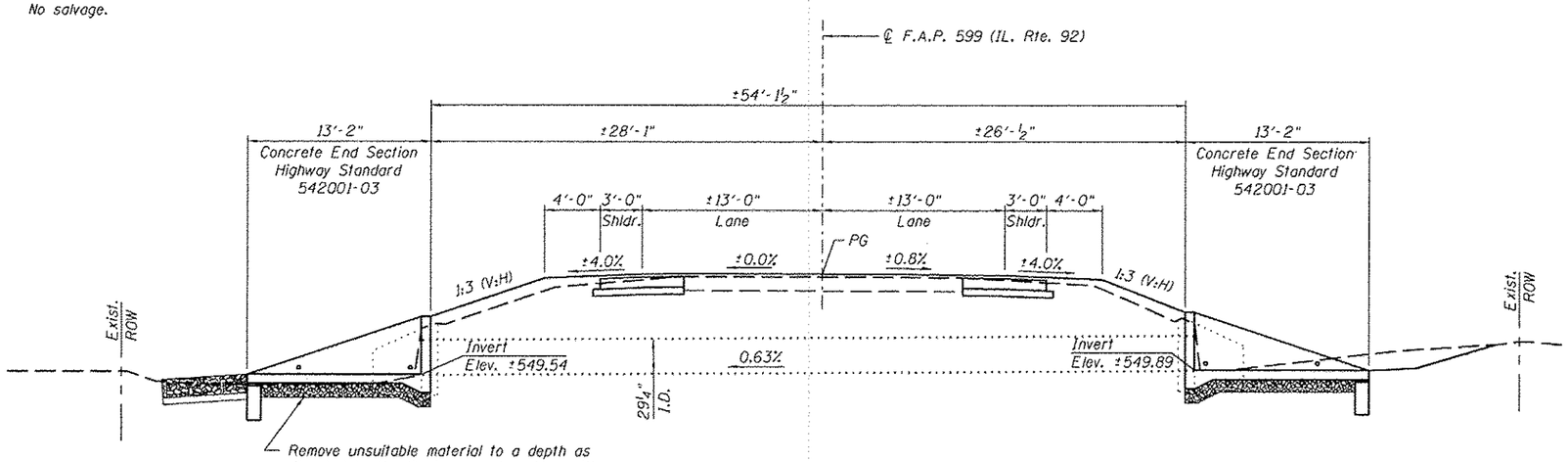
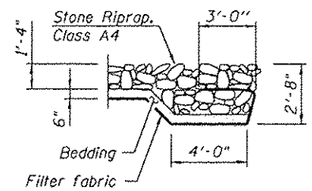
Existing Structure:
Existing culvert is a 30" plastic culvert pipe with 29¼" inside diameter built in 2001. The exisitng culvert is approximately 55'-5½" out to out headwalls. The end sections are reinforced concrete end sections that consist of headwall and wingwalls. The upstream and downstream ends of the existing culvert will be extended with a concrete end section. One lane of traffic to be maintained at all times utilizing staged construction.

No salvage.

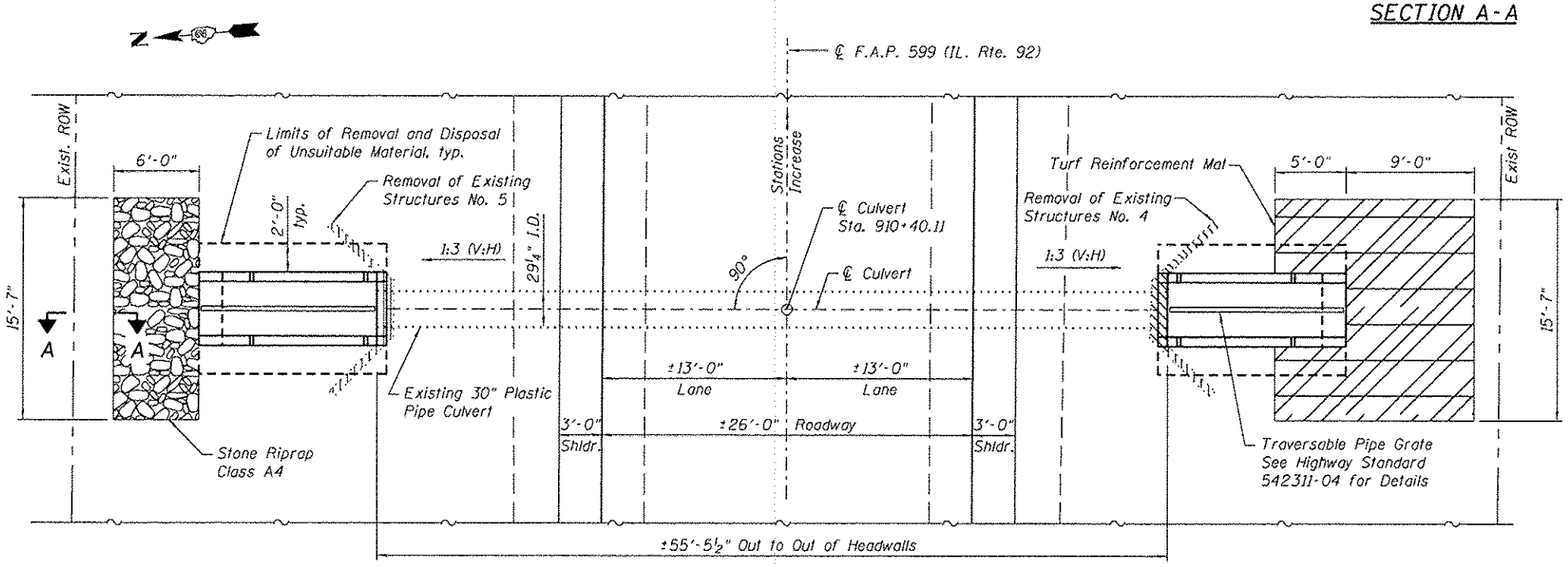


Remove unsuitable material to a depth as directed by the Engineer and replace with Rock Fill. A depth of 1'-0" has been assumed to determine quantities. Typ.

LONGITUDINAL SECTION



SECTION A-A



PLAN

GENERAL NOTES

1. Plan dimensions and details have been taken from existing plans or survey/field checks. As such, these dimensions and details 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 variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

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 of Existing Structures No. 4	Each	1
Removal of Existing Structures No. 5	Each	1
Removal And Disposal Of Unsuitable Material For Structures	Cu. Yd.	9
Traversable Pipe Grate	Foot	22.7
Concrete End Section, Standard 542001, 30", 1:3	Each	2
Rock Fill	Ton	16

DESIGN SPECIFICATIONS

2002 AASHTO Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS

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

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 910+40.11

FILE NAME = W:\Projects\2010\120128 PTB 157\25\cadd\Structural\Dgn\W0 #3 IL 92 Culverts\Section910+40.11\Final Submittal 130320\910+40.11-64H11-001-GPE.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = hforest	DESIGNED - HLF	REVISED -
		CHECKED - AEU	REVISED -
	PLOT SCALE =	DRAWN - HLF	REVISED -
	PLOT DATE = 3/20/2013	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STA. 910+40.11
SHEET NO. 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(83MFT & 103MFT)W	ROCK ISLAND	340	176
		CONTRACT NO. 64H11		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		