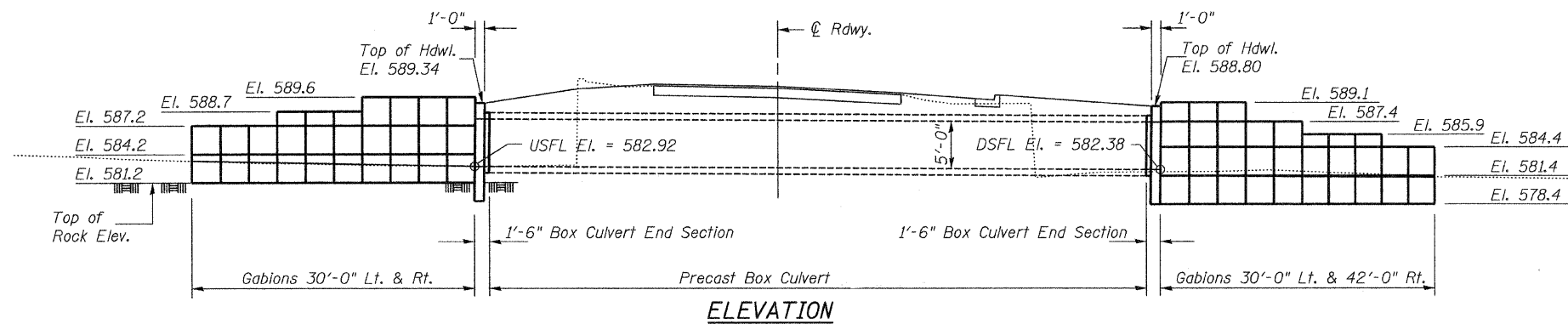
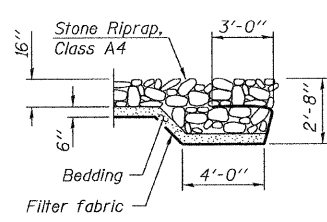


**GENERAL NOTES**

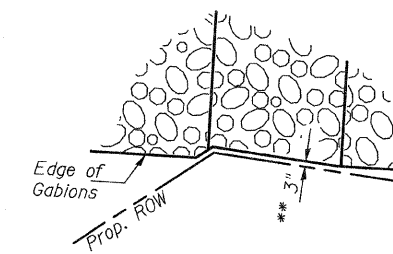
This work shall be done according to the applicable portion of 284, 503 and 508 of the Standard Specifications.  
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.  
 Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.  
 Filter fabric shall be placed underneath and on the back face of the gabion walls.  
 Exposed edges shall be beveled 3/4"



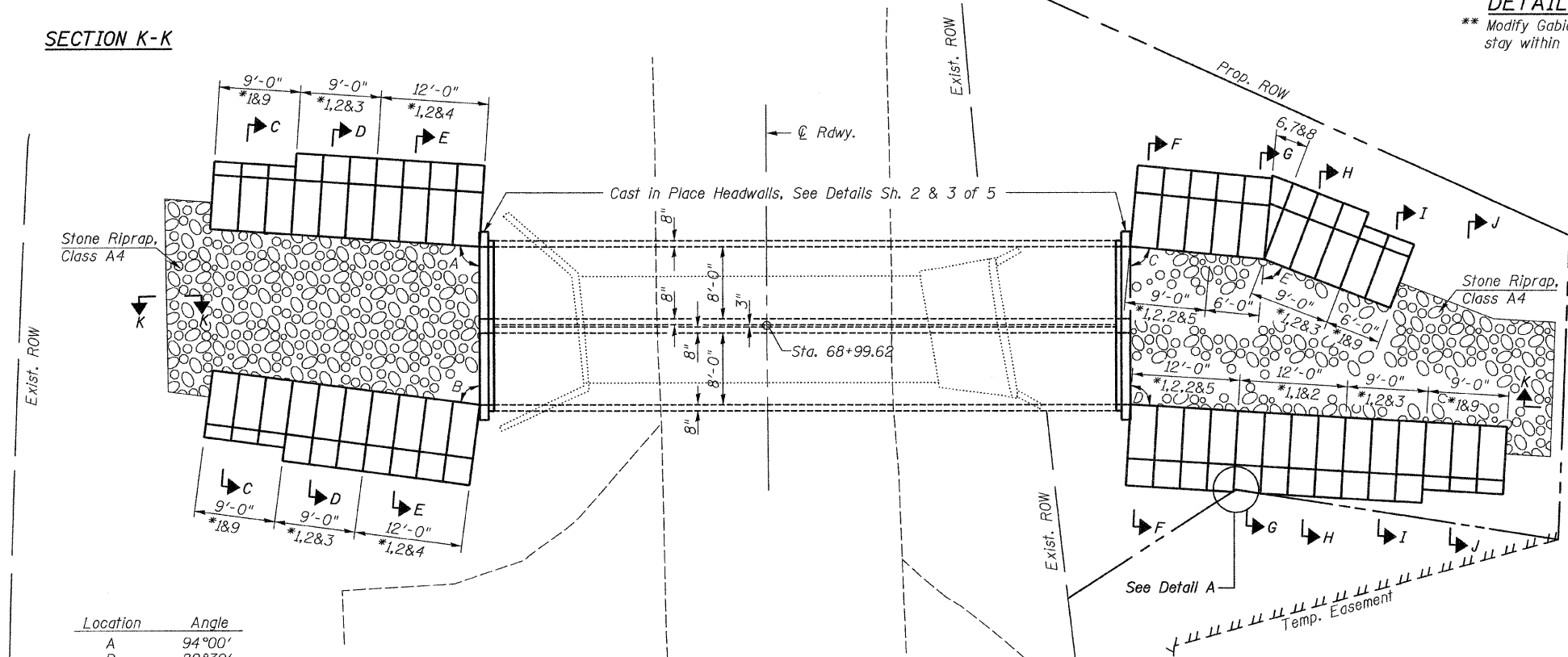
**ELEVATION**



**SECTION K-K**



**DETAIL A**  
 \*\* Modify Gabions to stay within ROW.



**PLAN**

\* Gabions, See Sheet 4 of 5 for Details

Location	Angle
A	94°00'
B	82°30'
C	84°30'
D	93°30'
E	74°30'

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	260.0
Rock Excavation	Cu. Yd.	2.0
Stone Riprap, Class A4	Sq. yd.	147.0
Filter Fabric	Sq. yd.	470.0
<del>Removal of Existing Structures</del>	<del>Each</del>	<del>1</del>
Box Culvert End Sections, Culvert No. 1	Each	2
Gabions	Cu. Yd.	288.0

**DESIGN STRESSES**

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

**DESIGN SPECIFICATIONS**

2007 AASHTO LRFD Bridge Design Specifications with 2008 and 2009 Interims

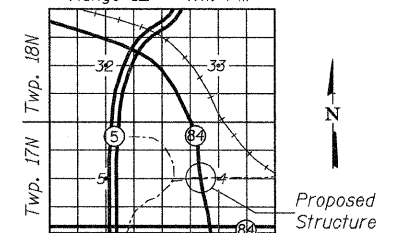
**LOADING HL-93**

Allow 50#/Sq. Ft. For future wearing surface.

**INDEX OF SHEETS**

- 1 - General Plan & Elevation
- 2-3 - Box Culvert End Section Details
- 4 - Gabion Wall Details
- 5 - Bar Splicer Assembly Details

**LOCATION SKETCH**



**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION**  
**IL. RTE. 84 OVER UNNAMED CREEK**  
**F.A.S. RTE. 5857 - SEC. 1R-T**  
**ROCK ISLAND COUNTY**  
**STATION 68+99.62**

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO LRFD Bridge Design Specifications.

*Benjamin A. Nebel* 7/27/2010  
 Illinois Structural No. 6527  
 Expires 11/30/2010

DESIGNED - BAN	EXAMINED _____	DATE - ____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOX CULVERT END SECTION &amp; GABION WALL DETAILS</b>	F.A.S. RTE. 5857	SECTION 1R-T	COUNTY ROCK ISLAND	TOTAL SHEETS 25	SHEET NO. 12
CHECKED - ____	ENGINEER OF BRIDGE DESIGN				ILLINOIS FED. AID PROJECT				
DRAWN - TAC	PASSED _____				CONTRACT NO. 64E31				
CHECKED - ____	ENGINEER OF BRIDGES AND STRUCTURES				SHEET NO. 1 OF 5 SHEETS				