

**BENCH MARK**

Description  
Sta.  
Elev.

**EXISTING STRUCTURE**

**INDEX TO SHEETS**

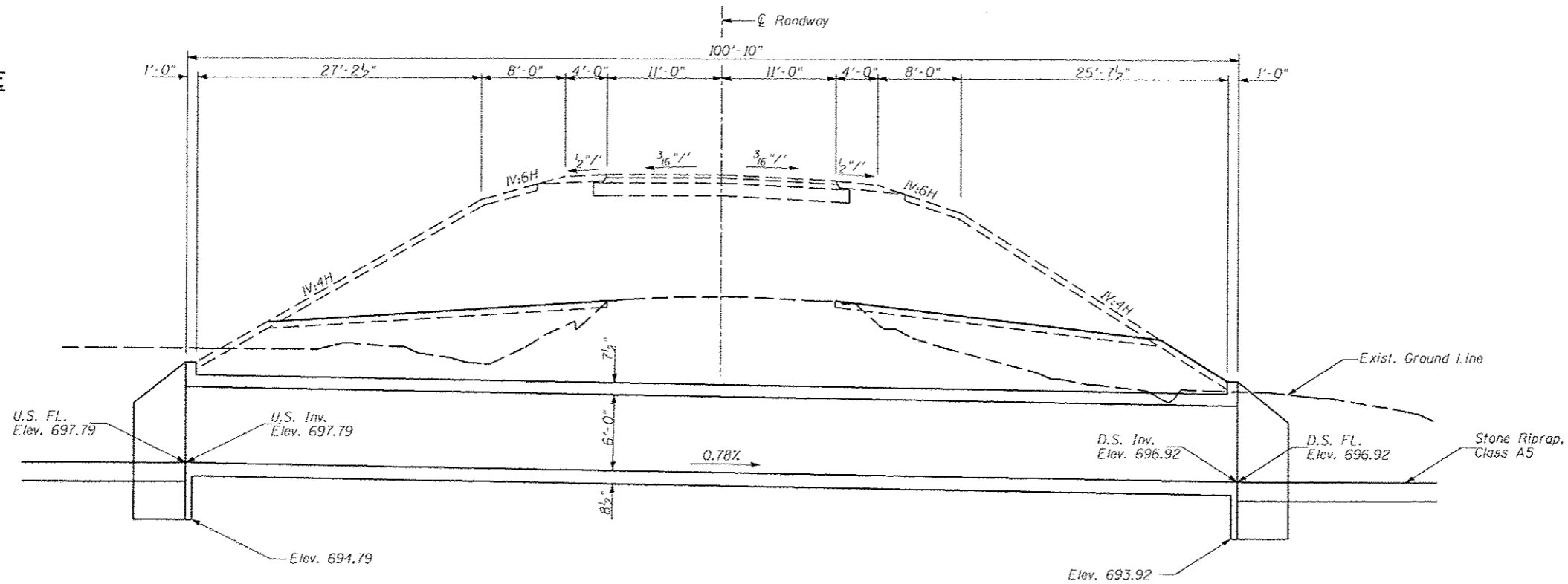
- 1. General Plan
- 2.-3. Culvert Details

**GENERAL NOTES**

Placeholder

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Removal of Existing Structures	EACH	1
Concrete Box Culverts	CU YD	74.1
Reinforcement Bars	POUND	16,250
Porous Granular Embankment	CU YD	350



**LONGITUDINAL SECTION**

Looking East  
Dimensions are at Rt.L.'s to Roadway except as noted

**LOADING HL-93**

Allow 50#/sq. ft. for future wearing surface.

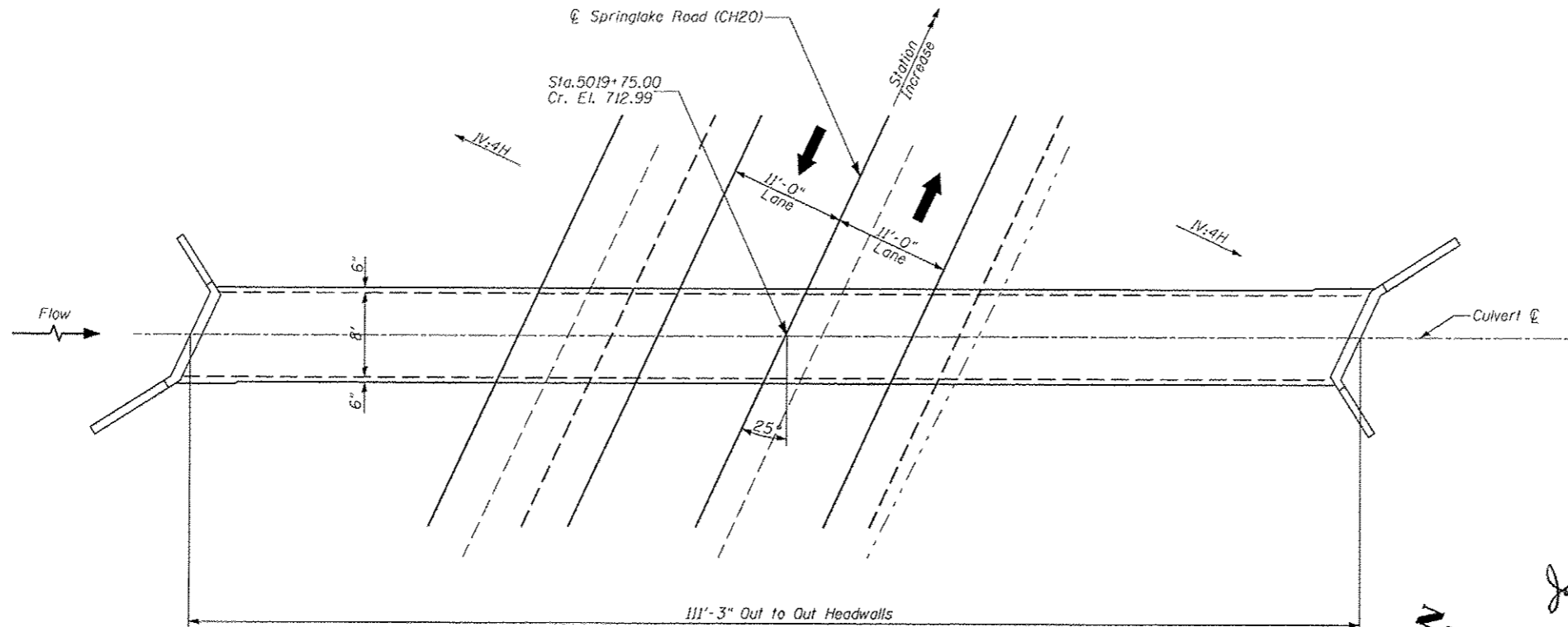
**DESIGN SPECIFICATIONS**

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

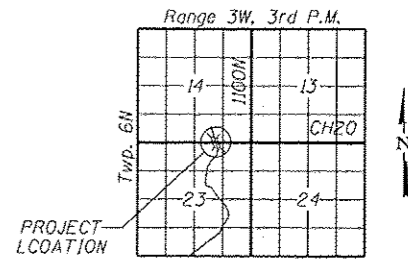
**DESIGN STRESSES**

**FIELD UNITS**

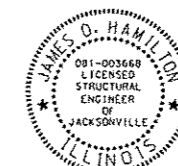
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)



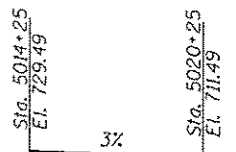
**PLAN**



**LOCATION SKETCH**



James D. Hamilton - Date: 12/10/2012  
Expires: 11/30/2014



**PROFILE GRADE**

PROFILE ALONG CENTERLINE OF ROAD

FILE NAME = v:\transportation\2011\grading plans\Hammann Final\CULVERT PLAN SHEET 5019+75.dgn	USER NAME = jdeen	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN AND ELEVATION STA 5019 + 75.00</b>			F.A.P. RTE. 407	SECTION (55-31A)	COUNTY MCDONOUGH	TOTAL SHEETS 671	SHEET NO. 284
PLOT SCALE = 15,000,000 FT / IN.	CHECKED - JOH	DATE - 12-12-12	REVISED -		SCALE: 1" = 100'	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 68A42				
PLOT DATE = 1/16/2013	DATE - 12-12-12	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							