

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	27

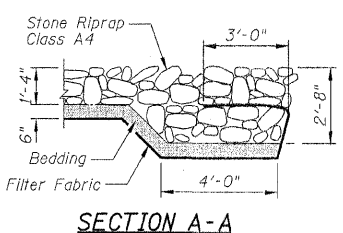
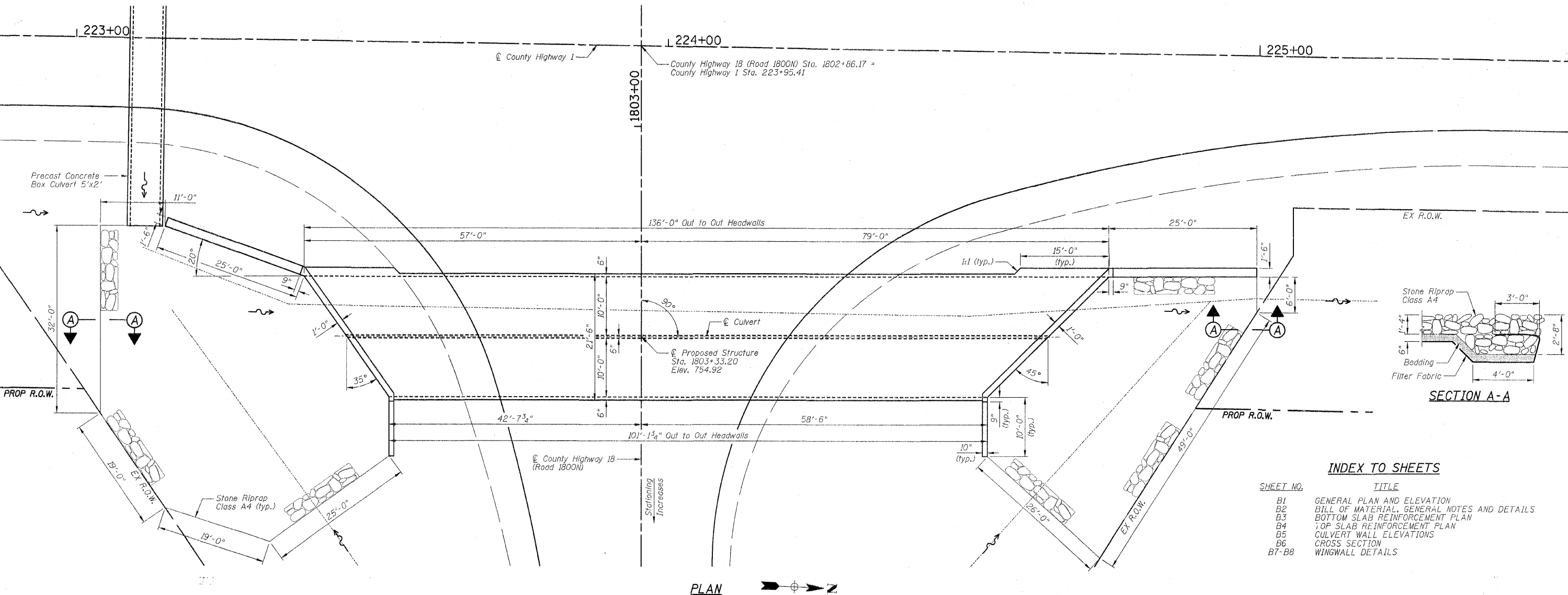
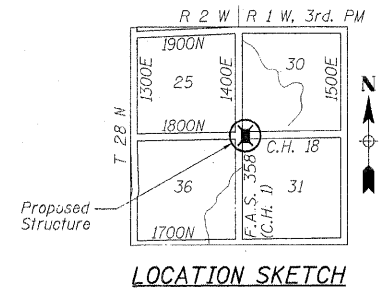
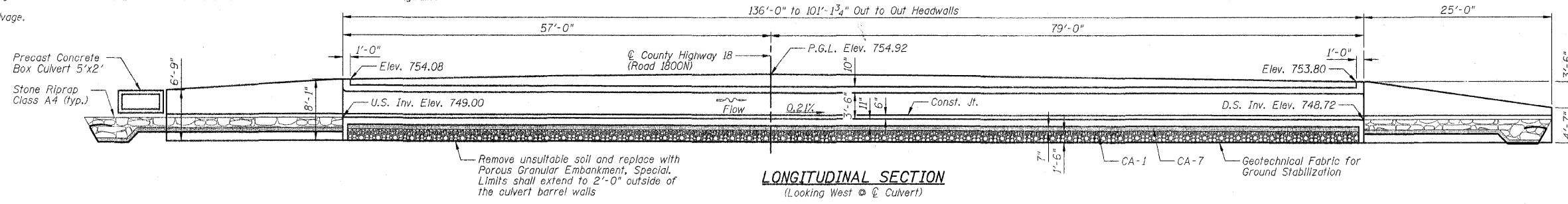
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

SHEET NO. B1  
OF 8 SHEETS

Benchmarks: #22, set railroad spike in power pole @ Sta. 219+75 LT., Elevation = 760.42.  
#23, set railroad spike in power pole @ Sta. 228+90 LT., Elevation = 752.45.

Existing Structure: 8.5'x3' double barrel concrete box culvert with headwalls and wingwalls.

No Salvage.



INDEX TO SHEETS

SHEET NO.	TITLE
B1	GENERAL PLAN AND ELEVATION
B2	BILL OF MATERIAL, GENERAL NOTES AND DETAILS
B3	BOTTOM SLAB REINFORCEMENT PLAN
B4	TOP SLAB REINFORCEMENT PLAN
B5	CULVERT WALL ELEVATIONS
B6	CROSS SECTION
B7-B8	WINGWALL DETAILS

NOTE:  
P.G.L. denotes Profile Grade Line.

**DESIGN SPECIFICATIONS**  
AASHTO 2002  
**LOADING HS20-44**  
Allow 50#/sq. ft. for future wearing surface.

**DESIGN STRESSES**  
CAST IN PLACE CONCRETE (FIELD UNITS)  
f'c = 4,000 psi @ 14 days  
fy = 60,000 psi (Reinforcement)

**SEISMIC DATA**  
Seismic Performance Category (SPC) = A  
Bedrock Acceleration Coefficient (A) = 0.042  
Site Coefficient (S) = 1.0



I certify that to the best of my knowledge, information and belief, this box culvert 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 Standard Specifications for Highway Bridges'.

Mark S. Wylie Date 4/8/09  
MARK S. WYLIE  
ILLINOIS STRUCTURAL ENGINEER  
NO. 081-005002  
Exp. Date 11/30/10

REVISIONS	NAME	DATE

**GENERAL PLAN AND ELEVATION**  
F.A.S. 358 (C.H. 18)  
SECTION 86-00075-00-AS  
WOODFORD COUNTY  
STATION 1803+33.20  
STRUCTURE NO. 102-5035  
DESIGNED BY: MSW  
DATE: 04/08/09  
DRAWN BY: DJM  
CHECKED BY: MSW