

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
549	116RS-1	OGLE	593	93
STA. 723+00		TO STA. 739+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FLOOD	FREQUENCY (YEAR)	Q C.F.	OPENING (SQ. FT.)		NAT. H. ELEV.		HEAD (F)		HEADWATER ELEV. (F)	
			EXI	PROP	EXI	PROP	EXI	PROP	EXI	PROP
TEN-YEAR	10	288	72.40	80.00	721.00	723.61	1.14	1.14	722.14	723.14
DESIGN	50	450	72.40	80.00	721.00	723.61	2.75	2.75	723.75	724.75
BASE	100	521	72.40	80.00	721.00	723.61	3.14	3.13	724.14	724.13
OVERTOP EX	37	417	72.40	80.00	721.00	723.61	2.43	2.43	723.43	723.43
OVERTOP PR	42	432	72.40	80.00	721.00	723.61	2.62	2.62	723.62	723.62

Existing Structure Velocity (10-Yr) 3.56 fps
 Proposed Structure Velocity (10-Yr) 3.56 fps

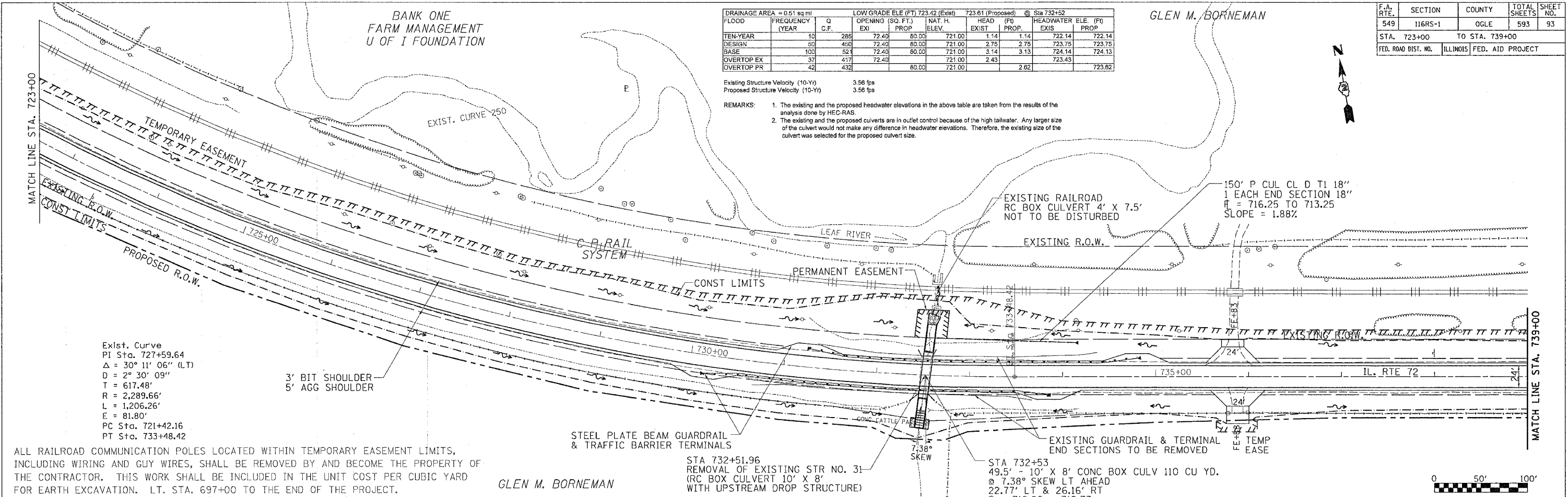
REMARKS:
 1. The existing and the proposed headwater elevations in the above table are taken from the results of the analysis done by HEC-RAS.
 2. The existing and the proposed culverts are in outlet control because of the high tailwater. Any larger size of the culvert would not make any difference in headwater elevations. Therefore, the existing size of the culvert was selected for the proposed culvert size.

GLEN M. BORNEMAN

BANK ONE FARM MANAGEMENT U OF I FOUNDATION

PLAN	DATE
BY	
CHECKED	
DATE	

PROFILE	DATE
BY	
CHECKED	
DATE	



ALL RAILROAD COMMUNICATION POLES LOCATED WITHIN TEMPORARY EASEMENT LIMITS, INCLUDING WIRING AND GUY WIRES, SHALL BE REMOVED BY AND BECOME THE PROPERTY OF THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN THE UNIT COST PER CUBIC YARD FOR EARTH EXCAVATION. LT. STA. 697+00 TO THE END OF THE PROJECT.

GLEN M. BORNEMAN

