

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	129-R-2	KANE	243	79
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62195				

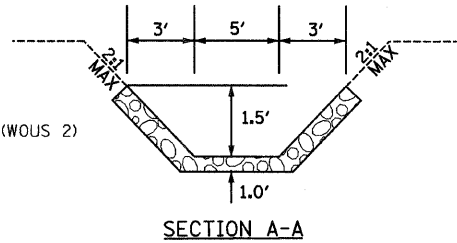
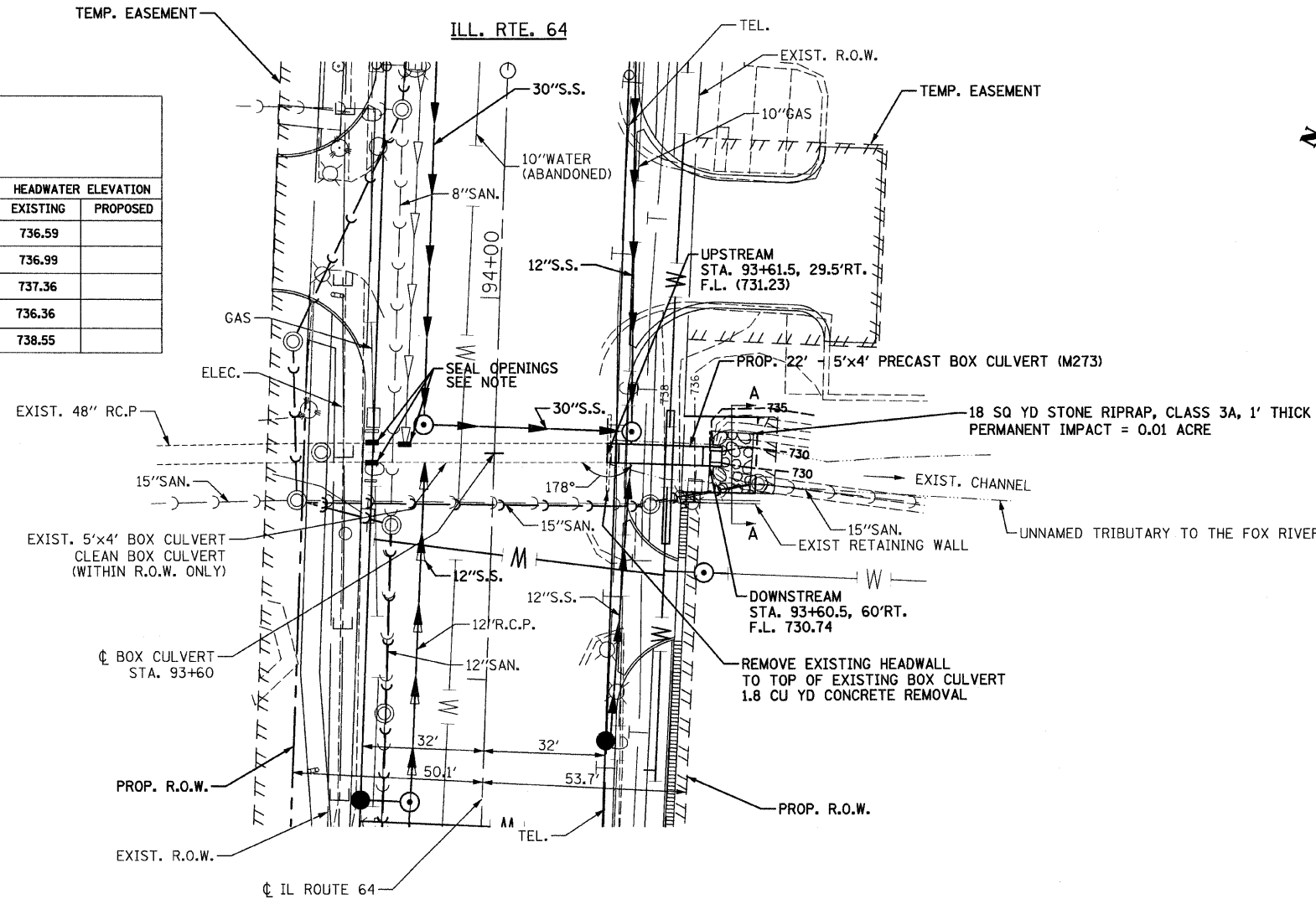
WATERWAY INFORMATION TABLE

DOWNSTREAM 75FT IDOT CULVERT WITHIN ROW

DRAINAGE AREA: 101.6 ACRES									
LOW GRADE ELEV. = 738.36 (STA. 95+00 EXISTING ROADWAY)									
= 738.62 (STA. 95+00 PROPOSED ROADWAY)									
MAX. RECORDED H.W.E. = UNKNOWN									
FLOOD	FREQUENCY (YR.)	DISCHARGE (CFS)	WATERWAY OPENING		NATURAL H.W.E.	CREATED HEAD		HEADWATER ELEVATION	
			EXISTING	PROPOSED		EXISTING	PROPOSED	EXISTING	PROPOSED
	10	52.8	13.7	-	736.52	0.07	-	736.59	
DESIGN	50	64.4	14.7	-	736.73	0.26	-	736.99	
BASE	100	76.1	16.0	-	736.99	0.37	-	737.36	
OVERTOPPING		110.0	17.5	-	-	-	-	736.36	
MAX CALC.	500	136.0	17.5	-	738.22	0.33	-	738.55	

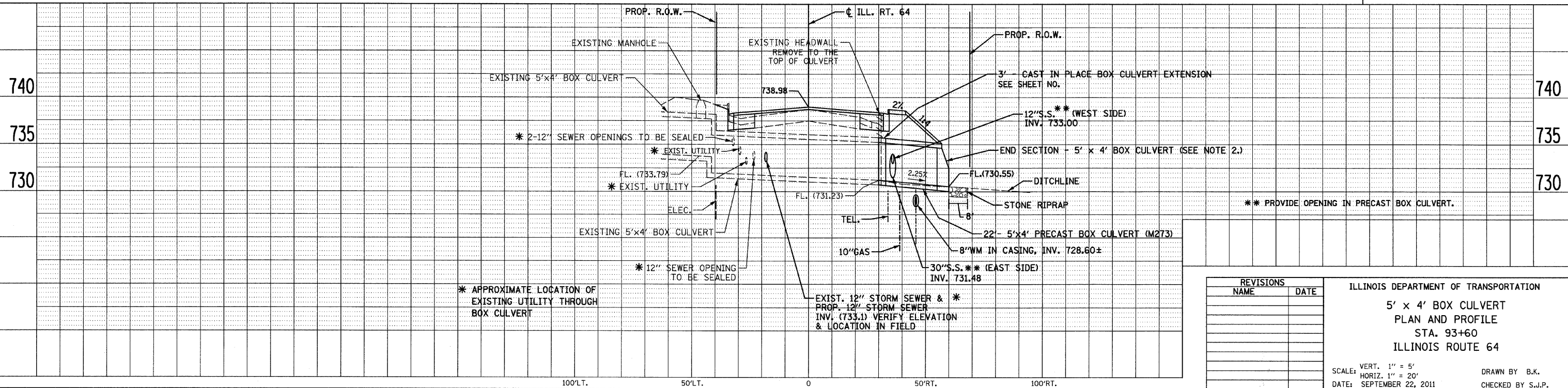
NOTES:

1. THE EXISTING STORM SEWER OPENINGS TO BE SEALED IN THE EXISTING BOX CULVERT SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 605.30. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "5'x4' PRECAST BOX CULVERT (M273)".
2. END SECTION - 5' x 4' BOX CULVERT SHALL BE PAID FOR AS 'BOX CULVERT END SECTIONS, CULVERT NO. 1'.
3. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.



DESCRIPTION OF CULVERT WORK
 THE EXISTING BOX CULVERT WILL BE EXTENDED 30 FEET DOWNSTREAM INLINE WITH THE EXISTING CHANNEL.
 STONE RIPRAP WILL BE PLACED AT THE DOWNSTREAM END OF THE CULVERT.

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
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 1-312-372-2023 FAX: 1-312-372-5274



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**5' x 4' BOX CULVERT
 PLAN AND PROFILE**
 STA. 93+60
 ILLINOIS ROUTE 64

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 20'
 DATE: SEPTEMBER 22, 2011

DRAWN BY B.K.
 CHECKED BY S.J.P.