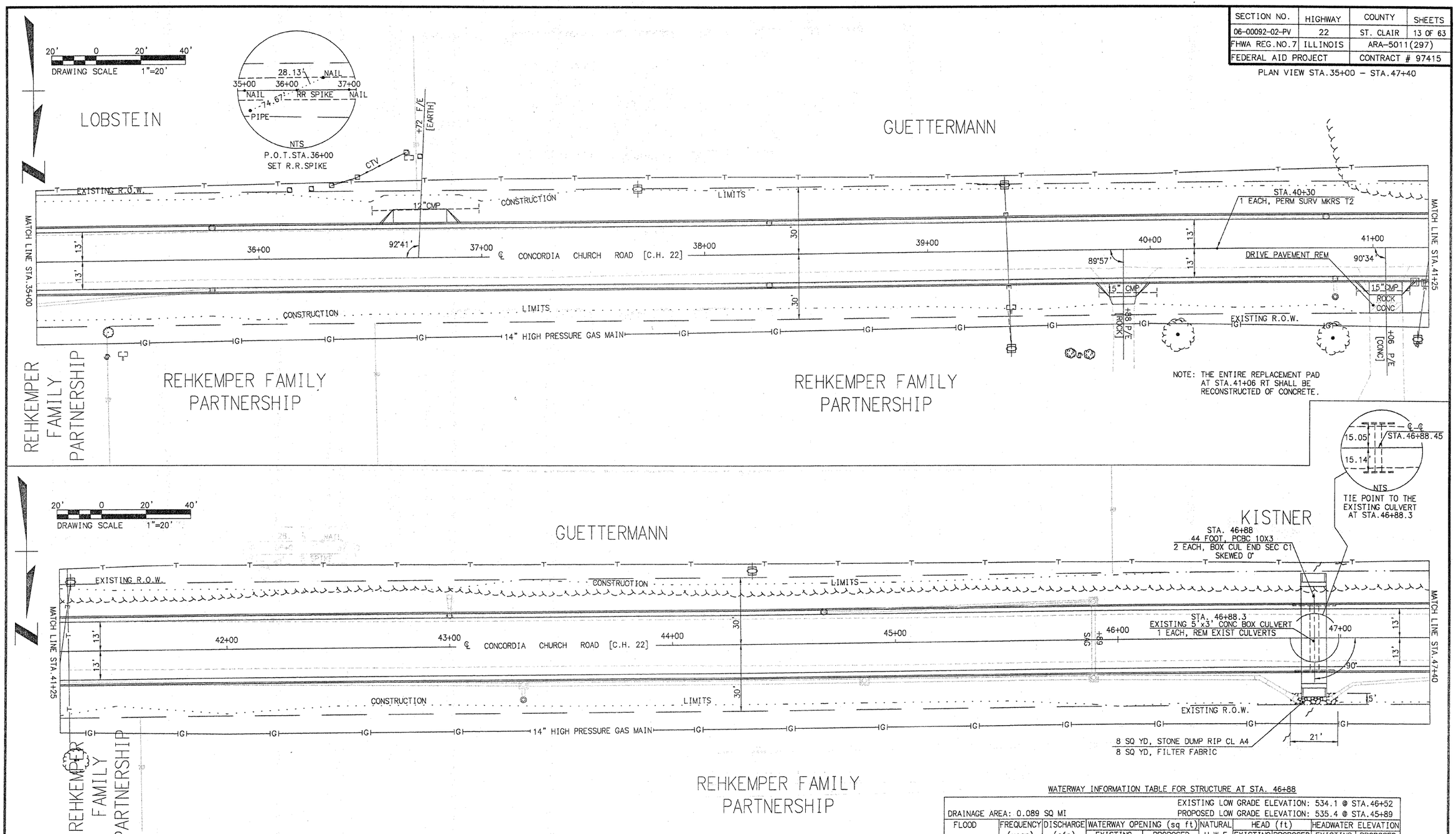
SECTION NO.	HIGHWAY	COUNTY	SHEETS
06-00092-02-PV	22	ST. CLAIR	13 OF 63
FHWA REG.NO.7	ILLINOIS	ARA-5011(297)	
FEDERAL AID PROJECT		CONTRACT # 97415	

PLAN VIEW STA.35+00 – STA.47+40



NOTE: THE ENTIRE REPLACEMENT PAD AT STA.41+06 RT SHALL BE RECONSTRUCTED OF CONCRETE.

TIE POINT TO THE EXISTING CULVERT AT STA.46+88.3

WATERWAY INFORMATION TABLE FOR STRUCTURE AT STA. 46+88

DRAINAGE AREA: 0.089 SQ MI

EXISTING LOW GRADE ELEVATION: 534.1 @ STA.46+52
PROPOSED LOW GRADE ELEVATION: 535.4 @ STA.45+89

FLOOD	FREQUENCY (year)	DISCHARGE (cfs)	WATERWAY OPENING (sq ft) EXISTING	WATERWAY OPENING (sq ft) PROPOSED	NATURAL H.W.E.	HEAD (ft) EXISTING	HEAD (ft) PROPOSED	HEADWATER ELEVATION EXISTING	HEADWATER ELEVATION PROPOSED
DESIGN	30	97	15.0	25.3	532.80	0.90	0.60	533.70	533.40
BASE	100	168	15.0	37.3	533.20	1.50	1.40	534.70	534.60
OVERTOPPING MAX.CALC.									

10 YR VELOCITY THROUGH EXISTING BRIDGE: 1.6 FPS 10 YR VELOCITY THROUGH PROPOSED BRIDGE: 2.3 FPS

PLOT DATE: 11.24.2009

	INITIALS	DATE
DESIGNED	R GEORGEN	MAY 2008
CHECKED	T HOLDENER	DEC 2008
DRAWN	R GEORGEN	JULY 2008
CHECKED	T HOLDENER	DEC 2008
PREPARED BY ST. CLAIR COUNTY HIGHWAY DEPARTMENT		

FILE NAME: 00092-02-PV PLN 3500-4740.dwg