



STA 1095+44

DRAINAGE AREA = 67.0	ACRES			
EXISTING LOW GRADE ELEVATION: 800.10	FT. @ 1095+02			
PROPOSED LOW GRADE ELEVATION: 800.10	FT. @ 1095+02			
FLOOD	FREQUENCY YEAR	DISCHARGE CFS	HEADWATER ELEV. (FT) EXISTING	PROPOSED
OVT (EXISTING)	9	43	800.10	-
TEN-YEAR	10	44	-	798.49
DESIGN	50	62	-	799.05
BASE	100	71	-	799.34
OVT (PROPOSED)	449	97	-	800.10

10-YEAR VELOCITY THROUGH EXISTING CULVERT= 8.6 FPS
 10-YEAR VELOCITY THROUGH PROPOSED CULVERT= 7.3 FPS

STA 1095+44
 PR PIPE CULVERT CL A, TY 2, EQRS 48", L = 123'
 W/ INLET BOX SPECIAL #2 GRATED
 CULVERT END SECTIONS EQRS 48"
 1095+50, 61' RT TO 1095+38, 61.8' LT
 USFL = 796.19; DSFL = 795.58
 SLOPE = 0.50%; SKEW = 5.0°



FILE NAME =	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
...\\oadd sheets\200793PLN16.dgn		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

THE UPCHURCH GROUP, INC.

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLANS			
IL 173 FROM ALPINE ROAD TO I-90			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 1093+00 TO STA. 1099+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	161
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				