PROP. CURVE 74360
PI STA. = 1063+15.52
Δ = 3° 13' 45" (LT)
D = 0° 26' 00"
R = 13,225.13'
T = 372.80'
L = 745.39'
E = 5.25'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA = 1059+42.73
P.T. STA = 1066+88.12

CONSTRUCTION LIMITS AND RRWRD PERMANENT EASEMENT

TOE OF SLOPE

PROPOSED STREAM

EXISTING ENVIRONMENTAL WETLANDS LIMITS

SHARED USE PATH

STA 1066+80
PR PIPE CULVERTS CL A, TY 2, EQRS 48", L = 167'
W/ GRATED CULVERT END SECTIONS EQRS 48"
79.2' RT TO 88.0' LT
USFL = 761.53; DSFL = 760.70
SLOPE = 0.50%; SKEW = 0.0°

STA 1067+73, 119.02' LT
PR 10'X5' TRIPLE BARREL PRECAST CONCRETE
BOX CULVERT ASTM C1577
W/ BOX CULVERT END SECTIONS, CULVERT NO. 1
STA 1068+21.80, 119.11' LT, US INV = 760.12;
STA 1067+21.80, 119.00' LT, DS INV = 759.52
SLOPE = 0.60%

SEE X-SECTIONS FOR FURNISHED EXCAVATION OVER CULVERT

CONST LIMITS

EX ROW

COMB CC&G TY B-6.24

COMB CC&G TY B-6.12

CONC MED, TY SB (SPECIAL)

STA 1067+58.53 ℄ IL 173 =
STA 39+76.20 ℄ OSF ENTRANCE

PRO STA 1066+88.12

1063 1064 IL 173 1065+00 1066 1067 1068

165°8'32"

BIT

CONC

MATCH LINE STA 1063+00

MATCH LINE STA 1069+00

COMB CC&G TY B-6.24

COMB CC&G TY B-6.12

COMB CC&G TY B-6.18

COMB CC&G TY M-6.06

CONCRETE ISLAND (SPECIAL) W/ BRICK PAVERS, TYP

9¾" PCC

5" HMA

STA 38+10.08

+58.56

+59.49

+56.65

DETECTABLE WARNINGS

CONST LIMITS

PCC SIDEWALK, 5"

RECONSTRUCTION ENDS STA 38+00 OSF ENTRANCE

HMA

PCC SIDEWALK, 5"

EX SIDEWALK

EX SIDEWALK

STA 38+73
PR PIPE CULVERT CLA, TY 2, 24", L = 74'
W/ CULVERT END SECTIONS
38+69.46, 40.1' LT TO 38+75.98, 33.8' RT,
USFL = 763.70; DSFL = 762.10
SLOPE = 2.20%; SKEW = 5.05°

0 50' 100' 1"= 20'

REV. 9-21-13

AC

IMPROVEMENT ENDS 1064+06.37, 116' RT

93'R

44'

OVERFLOW CREST

SHARED USE PATH

FOR GRADING PLAN AT DETENTION FACILITY SEE DRAINAGE DETAILS

DETENTION FACILITY

STA 1066+80

DRAINAGE AREA = 26.0 ACRES
EXISTING LOW GRADE ELEVATION: 764.10 FT. @ 1066+47
PROPOSED LOW GRADE ELEVATION: 764.10 FT. @ 1066+47

FLOOD	FREQUENCY YEAR	DISCHARGE CFS	HEADWATER ELEV. (FT) EXISTING	PROPOSED
TEN-YEAR	10	18.4	763.79	763.44
DESIGN	50	23.4	763.83	763.50
BASE	100	27.4	763.87	763.56
MAX	500	36.4	763.95	763.73

10-YEAR VELOCITY THROUGH EXISTING CULVERT= 1.3 FPS
10-YEAR VELOCITY THROUGH PROPOSED CULVERT= 1.7 FPS

EX HMA SIDEWALK

FILE NAME = ...\CADD SHEETS\Z80713PLN10.dgn	USER NAME = Elgin 10P	DESIGNED - MJS	REVISED -
		DRAWN - RMH	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - RLH	REVISED -
THE UPCHURCH GROUP, INC.	PLOT DATE = 9/12/2013 9:55:00 PM	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
IL 173 FROM ALPINE ROAD TO I-90

SCALE: 1"=20' | SHEET NO. OF SHEETS | STA. 1063+00 TO STA. 1069+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	155
		CONTRACT NO. 64988		
		ILLINOIS FED. AID PROJECT		