DOLORES A. GISHWILLER

PLUM RIVER

TREE REMOVAL (ACRES)

SECTION BEGINS
STA. 182+74

STONE RIPRAP CLASS A4
9' x 8'

STA. 182+40.98 - 67' LT O/S
80' - PIPE CULVERTS, CLASS D, TYPE 1
EQRS 36" WITH 2 CORR STEEL PIPE MULTIPLE
END SECTIONS EQRS 36"
STA 182+40.1 - 80.95' LT O/S, STA 182+69.37 - 53.62 LT O/S
INLET = 668.26, OUTLET = 667.92

KENNETH G. & MABEL L. HOLZE

SN 043-1063
STA. 182+98.97 106' PRECAST CONCRETE BOX CULVERT 4'X3'
@ 22.0° RIGHT FORWARD SKEW
WITH GRATED CULVERT EXTENSION NO. 1 LT & RT
STA 182+89.13 - 22.92' LT O/S
STA 183+07.62 - 22.84' RT O/S
U/S FL ELEV 669.53
D/S FL ELEV 668.52

50' TAPER

178+50
18.00 LT

PROPOSED ROW

CONSTRUCTION LIMITS

SECTION ENDS
STA. 183+21

50' TAPER
2' STUB TYP.

EXISTING ROW

IL 78

℄ IL 78

180+00

185+00

190+00

CONSTRUCTION LIMITS

PROPOSED ROW

IMPROVEMENT BEGINS
STA. 178+00

2' STUB TYP.

50' TAPER

AGGREGATE SHOULDERS TYPE A

2 CENTER CURVE #1
45' R - 270' R
10' OFF

CLASS C PATCH
TYPE IV - 12"

STONE RIPRAP CLASS A4 25' X 13'

IMPROVEMENT ENDS
STA. 186+00

STA. 182+98.32 & 40+30.5
REMOVAL OF EXISTING STRUCTURES NO. 2

STA. 40+35.79
97.4' - PIPE CULVERT, CLASS D, TYPE 1
EQRS 18" WITH 2
END SECTIONS, EQRS 18"
INLET = 670.72
OUTLET = 669.71

E WILLOW RD

2 CENTER CURVE #2
45' R - 315' R
12' OFF

X = TREE REMOVAL

0 50' 100' — 1"= 50'

DOLORES A. GISHWILLER

LAWERENCE MCPEEK
TOWNSHIP CLERK

KENNETH G. & MABEL L. HOLZE

Drainage Area =	85.30	acres				
Existing Low Grade Elevation:		673.98	ft. @	182+92		
Proposed Low Grade Elevation:		673.98	ft. @	182+92		

Flood	Frequency	Discharge (cfs)			Headwater Elev. (ft)	
		Existing		Proposed		
	Year	IL 78 AR	Willow Rd AR	IL 78 AR	Existing	Proposed
Ten-Year	10	32	7	39	672.66	671.32
Design	50	63	24	87	673.52	672.67
Base				118		673.34
EX Overtopping	88	75	32		673.98	
PR Overtopping	190			151		673.98

10-Year Velocity through Existing Culvert = 3.1 fps
10-Year Velocity through Proposed Culvert = 7.8 fps

SECTION BEGINS STA. 182+74

SECTION ENDS STA. 183+21

CLASS C PATCH, TYPE IV-12"

0.30 %

PROPOSED DITCH RIGHT

-0.14 %

2.56 %

SPECIAL DITCH LT
STA. 179+50 - 182+50
SLOPE = 1.03%

SPECIAL DITCH LT
STA. 183+50 - 186+00
SLOPE = 0.87%

SPECIAL DITCH LT
STA. 183+00 - 186+00
SLOPE = 1.13%

IMPROVEMENT BEGINS
STA. 178+00

IMPROVEMENT ENDS
STA. 186+00

STA. 177+50 - STA. 186+50
EARTH EX. = 1050 CU. YDS.
EMB. = 404 CU. YDS.
WASTE = 383 CU. YDS

690 685 680 675 670 665 660 655 650

672.91 673.05 673.21 673.51 673.64 673.76 673.91 673.99 674.03 674.01 674.06 674.21 674.31 674.45 674.64 674.70 674.75 674.81 674.88 675.00 675.17 675.31 675.42 675.58 675.69 675.76 675.87 676.01 676.17 676.23 676.38

176+00 177+00 178+00 179+00 180+00 181+00 182+00 183+00 184+00 185+00 186+00 187+00 188+00 189+00 190+00 191+00

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — COUD FILE NAME — NOTE BOOK — NO. — BY — DATE

PROFILE — SURVEYED — PLOTTED — PROFILE CHECKED — B.M. NOTED — STRUCTURE NO(S)(ING) — NOTE BOOK — NO. — BY — DATE

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -
c:\pw_work\PWIDOT\HENSONKE\dms33697\d0470?\pln.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Tue Sep 30 14:08:17 2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 PLAN & PROFILE

SCALE: 1:50 | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	(10-11)T	JODAVIESS	283	46
		CONTRACT NO. 64D07		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		