RALPH GUENTNER

GUTTER OUTLET REMOVAL
LT STA. 1+29 - 2+16.5

CLASS SI CONCRETE (OUTLET)
LT STA. 1+68 - 2+76

GUARDRAIL REMOVAL

EXPLORATION TRENCH 52" DEPTH

STA. 5+15 80' LT
FIELD TILE JUNCTION VAULTS, 2' DIA.

CONCRETE GUTTER, TYPE A
LT STA. 1+29 - 1+68

IMPROVEMENT BEGINS
STA. 1+29

55+50.00
20.00 LT

SECTION ENDS
STA. 5+16

IMPROVEMENT ENDS
STA. 10+50

TEMP ESMT
FE+85

PROPOSED ROW

CONSTRUCTION LIMITS

50' TAPER

3' STUB TYP.

EXISTING ROW

FE+53

24'

10.8°

+25

+00

10'
10'

IL 78

5+00

10+00

12"

PC+50

+50

2' STUB TYP.

50' TAPER

CONSTRUCTION LIMITS

PROPOSED ROW

TEMP ESMT

SECTION BEGINS
STA. 4+54

WETLAND AREA

EXISTING ROW

EXIST. CURVE 1480
PI STA. = 1+51.33
Δ = 1° 46' 53" (RT)
D = 0° 35' 19"
R = 9,733.82'
T = 151.33'
L = 302.64'
E = 1.18'
θ = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 0+00.00
P.T. STA. = 3+02.64

X = TREE REMOVAL

0 50' 100' — 1"= 50'

3" HOT-MIX ASPHALT SURFACE COURSE, SPECIAL

INCIDENTAL HOT-MIX ASPHALT SURFACING

CLASS "C" PATCHES, TYPE IV, 12 INCH

REMOVAL OF EXISTING STRUCTURES NO. 1
STA. 4+86.61

SN 043 - 1062
STA. 4+86.61 CONCRETE BOX CULVERTS
@ 10.8° LEFT FORWARD SKEW
U/S FL ELEV 660.76
D/S FL ELEV 660.35

PLUM RIVER L.L.C.

DAVID G. & DENISE A. BUNNING

PLUM RIVER L.L.C.

PLAN
SURVEYED
PLOTTED
DRAWN
CHECKED
QUANTITIES CHECKED
R.O.W. MONUMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
QUANTITIES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE

Drainage Area =	99.40	acres		
Existing Low Grade Elevation:		668.26	ft. @	5+25
Proposed Low Grade Elevation:		668.18	ft. @	5+25

Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	40	662.07	662.69
Design	50	93	662.88	664.20
Base	100	128	663.61	665.01
Max Calc	500	249	667.46	667.44

10-Year Velocity through Existing Culvert = 8.9 fps
10-Year Velocity through Proposed Culvert = 6.0 fps

SECTION BEGINS 4+54

SECTION ENDS 5+16

CLASS "C" PATCHES, TYPE IV, 12"

SPECIAL DITCH LT
STA. 3+00 - 3+50
SLOPE = 13.26 %

2:1

1:2

PROPOSED DITCH RT

PROPOSED DITCH RT

-0.88 %

STA. 1+29 - STA. 10+50
EARTH EX. = 3759 CU. YDS.
EMB. = 1439 CU. YDS.
WASTE = 1380 CU. YDS

SPECIAL DITCH LT
STA. 6+00 - 9+50
SLOPE = 2.94 %

IMPROVEMENT BEGINS
STA. 1+29

IMPROVEMENT ENDS
STA. 10+50

685
680
675
670
665
660
655
650
645

687.81 685.12 682.56 680.12 677.78 675.61 673.78 672.09 670.66 669.31 667.92 666.48 665.05 663.66 662.19 660.68 659.22 657.76 656.31 654.83 653.09 651.70 650.28

1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -
c:\pw_work\PWIDOT\HENSONKE\dms33697\d0477pln.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Tue Sep 30 14:08:16 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	44
		CONTRACT NO. 64D07		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		