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

6+50.00
110.00' LT

8+00.00
97.30' LT

CONSTRUCTION LIMITS

ROBERT SCHNEIDER

EXISTING R.O.W.

STA. 10+76.35 @ 41° SKEW
134'- PIPE CULVERTS, CLASS A, TYPE 2, 30"
75' LT - 59' RT
℄ 595.17 - 594.17
1 EA. DROP BOX NO.4 LT
1 EA. CONCRETE END SECTION, STANDARD 542001, 30", 1:4, RT
1 EA. REMOVAL OF EXISTING STRUCTURES NO.5

PROJECT ENDS
STA. 11+75

MATCH LINE STA. 6+00

R=1080.7'

6+68.40
12' LT

PROPOSED DITCH LINE

PC Sta 1012+27.64

PI Sta 1012+76.40

PI Sta 1013+24.57

PI Sta 1013+202.85

S Sta 1014+21.38

S Sta 1014+31.94

PT Sta 1014+49.30

PT Sta 9+48.32

9+48.32
12' LT

IL 84

GUTTER REMOVAL

8+60.06
24' RT

R=705.3'

9+60.06
18' RT

R=836.3'

10+60.06
12' RT

MATCH LINE STA. 12+00

12+00.00
60.00' RT

EXISTING R.O.W.

PROPOSED DITCH LINE

EXISTING R.O.W.

8+50.00
61.17' RT

6+07.29.00
105.00' RT

TEMP. EASEMENT

PROPOSED R.O.W.

9+00.00
80.00' RT

9+50.00
81.06' RT

10+50.00
83.69' RT

11+00.00
85.00' RT

11+25.00
95.00' RT

PROPOSED R.O.W.

12+00.00
75.00' RT

CHARLES & ANNETTE ZELNIO

JON & BARBARA WARREN

9+75.00
105.00' RT

9+98.40
105.00' RT

TREE REMOVAL

EXIST. CURVE 220
PI STA. = 4+13.01
Δ = 13° 20' 39" (LT)
D = 4° 27' 12"
R = 1,286.60'
T = 150.51'
L = 299.65'
E = 8.77'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 2+62.50
P.T. STA. = 5+62.15

PROP. CURVE 70250
PI STA. = 6+14.40
Δ = 9° 07' 48" (LT)
D = 1° 21' 51"
R = 4,200.00'
T = 335.34'
L = 669.26'
E = 13.37'
S.E. = 3.50%
T.R. = 40'
S.E. RUN = 93'
P.C. STA. = 2+79.06
P.T. STA. = 9+48.32

WATERWAY INFORMATION TABLE

Drainage Area =	18.0 acres			
Existing Low Grade Elevation:	607.79	ft. @ 10+32 LT		
Proposed Low Grade Elevation:	604.35	ft. @ 10+75 LT		
Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	29	601.19	600.87
Design	50	45	603.80	601.16
Base	100	53	606.49	601.54
Existing OVT	122	56	607.79	-
Proposed OVT	251	66	-	604.35

10-Year Velocity through Existing Culvert = 9.0 fps
10-Year Velocity through Proposed Culvert = 8.1 fps

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
CROSSINGS CHECKED		
BM. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK		
NO.		

630
625
620
615
610
605
600
595

+45.00 Ex. 624.52

PROPOSED LT DITCH GRADE LINE

PROPOSED RT DITCH GRADE LINE

601.28

PROPOSED LT DITCH GRADE LINE

STA. 6+00 to 12+00
EARTH EX. = 9,534.7 CU.YDS.
EMB. = 463.9 CU.YDS.
WASTE = 6,687.1 CU.YDS.

6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50	10+00	10+50	11+00	11+50	12+00
632.48 631.67	631.32 630.54	630.04 629.36	628.65 628.15	627.28 626.89	625.96 625.59	624.64 624.25	623.25 622.90	621.86 621.55	620.47 620.20	619.11 618.85	617.78 617.50	616.41 616.15	615.03 614.79	613.64 613.44	612.25 612.09	610.86 610.74	609.47 609.39	608.09 608.04	606.74 606.69	605.35 605.33	603.94 603.98	602.61 602.63	601.28 601.28	599.90

FILE NAME = c:\pw_work\pwidot\cushmanbw\d0333209\P201709-sht-plnl.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
Default		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 11:18:42 2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 84
PLAN & PROFILE

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	43
		CONTRACT NO. 64J43		
	ILLINOIS FED. AID PROJECT			

*5789 & 5861