KOREY M. & SERENA M. PFEIFFER

STA. 249+74 ℄ 52° SKEW
180'-PCUL-CLA-T2-72"
112' LT - 68' RT
℄ 621.00 - 619.18 ℄ 1.00%
1 EA. PRC FLARED END SECTION 72"
1 EA. DROP BOX NO.1 RT
REMOVE EXISTING STRUCTURE NO.1

STA. 257+32
FILL EXISTING CULVERT

MATCH LINE STA. 245+00

MATCH LINE STA. 259+00

CATTLE GUARD

WEATHER STATION

CONST. LIMITS

EXISTING R.O.W.

PROPOSED R.O.W.

248+71.42
140.00' LT

249+63.53
54.24'LT

246+04.05
60.63' LT

246+88.95
122.00' LT

246+88.95
12.00' LT

GUARDRAIL REMOVAL

6' PCC SHOULDER

245+85.77
55.37' LT

245+59.95
42.00' LT

245+59.95
12.00' LT

R=110'

R=30'

250+00

(EB) US 20

255+00

258+71.00
160.00' RT

258+01.00
101.98' RT

258+31.00
160.00' RT

SEE SEPERATE PLAN & PROFILE SHEET FOR MORE DETAIL

245+00 12' 12'

246+00
60.60' RT

TEMP. EASEMENT

245+50.00
60.60' RT

245+09.00
115.00' RT

PROP. CURVE 70220
PI STA. = 247+10.11
Δ = 24° 28' 44" (RT)
D = 4° 45' 17"
R = 1,205.00'
T = 261.40'
L = 514.82'
E = 28.03'
e = 8.0%
T.R. = 38'
S.E. RUN = -----
P.C. STA. = 244+48.71
P.T. STA. = 249+63.53

249+50.00
48.15' RT

COMB. CONC. C&G TYPE M-4.24

S.E. RUN ℄ PC= 201'
S.E. RUN ℄ PT= 297'

NORMAL CROWN STA. 242+76.71
FULL S.E. STA.= 245+15.71
FULL S.E. STA.= 248+65.61
0% CROSS SLOPE STA.= 251+62.61

252+00.00
115.00' RT

10' PCC SHOULDER

℄ OF PROPOSED DITCH

253+00.00
105.00' RT

253+45.00
102.70' RT

253+61.69
155.00' RT

253+91.00
155.00' RT

255+00.00
105.00' RT

254+11.00
100.45' RT

RELOCATE ENTRANCE TO STA. 258+90
REMOVE EXISTING STRUCTURE NO.2

256+50.00
115.00' RT

TREE REMOVAL BY ACRES

KOREY M. & SERENA M. PFEIFFER

EL. 655.47

ex = 11.75'
K = 224
1,450.00' V.C.

+50.00

EX Drainage Area =	74.0 acres
PR Drainage Area =	56.0 acres
Existing Low Grade Elevation:	632.00 ft. @ 249+50
Proposed Low Grade Elevation:	638.50 ft. @ 249+50

Flood	Frequency Year	EX Discharge cfs	PR Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	111	90	624.14	635.73
Design	50	155	125	624.64	635.97
Base	100	181	145	624.87	636.10
Max Calc	500	251	202	625.56	636.44

10-Year Velocity through Existing Culvert = 16.2 fps
10-Year Velocity through Proposed Culvert = 9.6 fps

LT. DITCH
RT. DITCH

STA. 245+00 to 259+00
EARTH EX. = 2575.6 CU.YDS.
EMB. = 38079.2 CU.YDS.
HAUL IN = 36147.4 CU.YDS.

655 650 645 640 635 630 625 620 615

690 685 680 675 670 665 660 655 650

611.08 623.18 623.86 624.58 625.27 615.47 626.03 613.00 626.81 617.00 617.30 627.62 617.97 628.46 619.78 629.33 621.41 630.22 622.80 631.15 624.22 632.10 625.66 633.07 627.07 634.08 628.37 635.12 629.68 636.18 631.05 637.27 632.51 638.39 633.97 639.53 635.43 640.71 636.92 641.91 638.39 643.14 639.84 644.40 641.43 645.68 643.05 647.00 644.66 648.34 646.27 649.71 647.78 651.11 649.28 652.53 650.78 653.99 652.54 655.47 654.19 656.96 655.75 658.25 656.46 659.95 657.97 661.45 658.75 662.95 659.88 664.44 661.37 665.94 661.41 667.43 663.15 668.93 665.38 670.42 666.30 671.92 667.42 673.41 668.78 674.91 670.21 676.41 672.08 677.90 674.30 679.40 676.91 680.89 678.20 682.39 679.73 683.88 682.70 685.38 683.80 686.87 684.94 688.37 686.66 689.86 688.53 691.36 689.53 692.86 691.21 694.35

245+00 246+00 247+00 248+00 249+00 250+00 251+00 252+00 253+00 254+00 255+00 256+00 257+00 258+00 259+00

FILE NAME = c:\pw_work\pwidot\cushmanbw\d0117386\D202808plnl.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 13:01:53 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 EASTBOUND

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	33
		CONTRACT NO. 64D92		
	ILLINOIS FED. AID PROJECT			

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

PROF.: SURVEYED / DRAWN / GRADES CHECKED / NOTE BOOK / NO. / BAR NOTED FOR STRUCTURE DETAIL / BY / DATE / REMARKS