FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
586	60R-2,37R-1	MADISON	502	103
STA. 572+00	TO STA. 578+00			
CONTRACT NO. 76301				

30L - WORK AT THIS LOCATION SHALL CONSIST OF THE REMOVAL OF THE EXISTING DRAINAGE STRUCTURE AND A PORTION OF THE EXISTING BOX CULVERT NECESSARY TO ACCOMODATE THE PROPOSED INLET. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR THE INLET / GRATE PAY ITEM.
THE CONTRACTOR SHALL VERIFY THE ELEVATION OF THE TOP OF THE BOX CULVERT TO DETERMINE THE HEIGHT OF THE INLET BEFORE ORDERING THE NECESSARY MATERIALS.

MATCHLINE STA. 572+00

MATCHLINE STA. 578+00

33L
INLET TY A W/
TY 3V FR & GR
STA. 572+54.3, 22' LT
GRATE ELEV. = 545.11
FL ELEV. = 543.01

34L
END SECTION, 12"
STA. 573+25.4, 25.3' LT
FL ELEV. = 544.40

35L
INLET TY B W/
TY 3V FR & GR
STA. 573+60, 20.1' LT
GRATE ELEV. = 543.96
FL ELEV. = 541.20

30L
INLET TY A W/
TY 8 FR & GR
STA. 577+16, 25' LT
GRATE ELEV. = 543.90
FL ELEV. = UNKNOWN

36L
INLET TY A W/
TY 3V FR & GR
STA. 575+80.16, 18.5' LT
GRATE ELEV. = 542.37
FL ELEV. = 540.27

37L
INLET TY A W/
TY 3V FR & GR
STA. 575+90.16, 18.5' LT
GRATE ELEV. = 542.37
FL ELEV. = 539.82

51R
INLET TY A W/
TY 8 FR & GR
STA. 573+63.65, 33' RT
GRATE ELEV. = 545.21
FL ELEV. = 543.61

59R
INLET TY A W/
TY 8 FR & GR
STA. 576+75.4, 32.6' RT
GRATE ELEV. = 543.03
FL ELEV. = 541.70

58R
INLET TY A W/
TY 3V FR & GR
STA. 576+96.9, 62.5' RT
GRATE ELEV. = 543.63
FL ELEV. = 541.13

STORM SEWERS, WATER MAIN QUALITY, TYPE 1, 12" - 33' @ +9.7%

STORM SEWERS, CLASS A, TYPE 2, 12" - 46' @ +1.0%

STORM SEWERS, CLASS A, TYPE 2, 12" - 35' @ +1.0%

STORM SEWERS, CLASS A, TYPE 1, 12" - 10' @ +9.9%

STORM SEWERS, WATER MAIN QUALITY, TYPE 1, 12" - 8' @ +5.6%

STORM SEWERS, WATER MAIN QUALITY, TYPE 2, 12" - 33' @ +1.0%

STORM SEWERS, CLASS A, TYPE 1, 12" - 17' @ +10%

STORM SEWERS, WATER MAIN QUALITY, TYPE 1, 12" - 35' @ +1.0%

15" ICON PIPE

5'X 4' BOX CULVERT

INV. 539.91

INV. 539.60

INV. 538.54

INV. 537.84

INV. 538.01

R = RIGHT
L = LEFT
M = MEDIAN

20' 0 20' 40'
SCALE: 1" = 20'

PROPOSED STORM SEWER PROFILE - RIGHT

STORM SEWERS, CLASS A, TYPE 2, 66" - 5' @ -0.30%

-0.25% | -0.25% | -0.26% | -0.30% | -0.30% | -0.28% | -0.06%

STORM SEWERS, CLASS A, TYPE 2, 66" - 101'

STORM SEWERS, CLASS A, TYPE 2, 66" - 128'

STORM SEWERS, CLASS A, TYPE 2, 66" - 81'

STORM SEWERS, CLASS A, TYPE 2, 66" - 77'

STORM SEWERS, WATER MAIN QUALITY, TYPE 2, 66" - 61'

STORM SEWERS, WATER MAIN QUALITY TYPE 2, 66" - 65'

534.12

49R
MANHOLE TY A 6'
(FST- 2' OPENING)
W/ TY 3V FR & GR
STA. 572+54. 22' RT
GRATE ELEV. = 545.74
FL ELEV. = 535.49

50R
MANHOLE TY A 6'
(FST- 2' OPENING)
W/ TY 3V FR & GR
STA. 573+60, 19.8' RT
GRATE ELEV. = 545.29
FL ELEV = 535.23

52R
MANHOLE TY A 6'
(FST - 2' OPENING)
W/ TY 3V FR & GR
STA. 574+93.3, 19.8' RT
GRATE ELEV. = 544.03
FL ELEV. = 534.88

53R
MANHOLE TY A 6'
(FST - 2' OPENING)
W/ TY 3V FR & GR
STA. 575+80.16, 18.5' RT
GRATE ELEV. = 543.63
FL ELEV. = 534.61

54R
MANHOLE TY A 6'
(FST - 2' OPENING)
W/ TY 3V FR & GR
STA. 575+90.16, 18.5' RT
GRATE ELEV. = 543.63
FL ELEV. = 534.59

55R
MANHOLE TY A 6'
(FST - 2' OPENING)
W/ TY 3V FR & GR
STA. 576+75.4, 37' RT
GRATE ELEV. = 543.65
FL ELEV. = 534.35

56R
MANHOLE TY A 6'
(FST - 2' OPENING)
W/ TY 3V FR & GR
STA. 577+26.7, 46' RT
GRATE ELEV. = 544.03
FL ELEV. = 534.16

57R
STA. 577+50, 61' RT
FL ELEV. = 534.12
(STORM SEWER ENDS WITH OPEN END AT CREEK)

555 550 545 540 535 530 525 520 515

572+00 | 572+50 | 573+00 | 573+50 | 574+00 | 574+50 | 575+00 | 575+50 | 576+00 | 576+50 | 577+00 | 577+50 | 578+00

545.52 535.63 | 545.74 | 545.39 535.56 | 545.66 | 546.27 535.50 | 545.58 | 545.15 535.44 | 545.45 | 545.02 535.38 | 545.28 | 544.83 535.32 | 545.07 | 544.62 535.25 | 544.84 | 544.39 535.19 | 544.61 | 544.11 535.13 | 544.38 | 543.86 535.06 | 544.15 | 543.82 534.99 | 543.92 | 543.42 534.93 | 543.68 | 543.24 534.86 | 543.47 | 543.08 534.79 | 543.30 | 542.99 534.71 | 543.19 | 542.95 534.64 | 543.13 | 542.93 534.58 | 543.12 | 542.96 534.48 | 543.17 | 543.11 534.41 | 543.27 | 543.25 534.33 | 543.43 | 543.46 534.26 | 543.63 | 543.71 534.19 | 543.90 | 544.03 534.12 | 544.21 | 544.40 534.05 | 544.58 | 544.79 533.98 | 545.00

DRAINAGE

PLOT DATE: Wednesday December 01, 2004 @ 9:57:37 AM

12/1/2004
Wednesday, December 01, 2004 @ 9:57:37 AM
e:\projects\rad8999\plan\pl=805c.dgn LY=1-54.36-63
C:\projects\ref\topo805b.dgn LY=1-63
C:\projects\ref\fieldline.dgn LY=4-11.28-24.26-28.32-47.50-52.54.56-58
C:\projects\ref\fieldline.dgn LY=1-63
C:\projects\ref\fieldline3a.dgn LY=1-63
C:\projects\ref\r_162.2a.dgn LY=1-63
C:\projects\ref\r_236cr01.ref LY=1-55.57-62
C:\projects\ref\ditchline.dgn LY=1-55.57-62

PLAN: SURVEYED, ALIGNMENT CHECKED, R/W OR MAP CHECKED, NOTE BOOK, MS, DATE, BY
PROFILE: SURVEYED, PLOTTED, PROFILE CHECKED, ELEV. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, ROOT FILE NAME, MS