FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
9397	01-00022-00-RP	MADISON	72	30
STA. 15+00	TO STA. 20+00			
DRAINAGE PLAN AND PROFILE				

CONTRACT NO. 97269

STRUCTURE #13
TYPE A INLET
TYPE 24 F&G
STA 15+30.34
OFFSET 14.00' LT
TOG FL=546.76
INV=542.84

24.5 L.F. – 12"ø
RCCP @ 0.46%

MATCH LINE STA 15+00

NORTH DEWEY STREET

EXIST MH
TOP 547.00'
INV. 536.42'

STRUCTURE #14
TYPE A MANHOLE–4'ø
TYPE 24 F&G
STA 15+30.34
OFFSET 14.00' RT
TOG FL=546.76
INV=541.17

64.5 L.F. – 18"ø
RCCP @ 0.31%

STRUCTURE #15
TYPE B INLET
TYPE 24 F&G
STA 15+98.48
OFFSET 14.00' RT
TOG FL=546.26
INV=540.96

64.5 L.F. – 18"ø
RCCP @ 0.31%

65 L.F. 18"ø
RCCP @ 0.31%

STRUCTURE #16
TYPE B INLET
TYPE 24 F&G
STA 16+66.62
OFFSET 14.00' RT
TOG FL=545.77
INV=540.75

STRUCTURE #17
TYPE A INLET
TYPE 3 F&G
STA 17+35.99
OFFSET 14.56' LT
TOG FL=545.82
INV=541.90

63.5 L.F. – 18"ø
RCCP @ 0.30%

STRUCTURE #19
TYPE A INLET
TYPE 3 F&G
STA 17+45.41
OFFSET 14.56' LT
TOG FL=545.82
INV=541.85

6.5 L.F. – 18"ø
RCCP @ 0.30%

STRUCTURE #18
TYPE B INLET
TYPE 3 F&G
STA 17+34.75
OFFSET 14.56' RT
TOG FL=545.41
INV=540.55

STRUCTURE #20
TYPE A MANHOLE–4'ø
TYPE 3 F&G
STA 17+45.41
OFFSET 14.56' RT
TOG FL=545.41
INV=540.52

8 L.F. – 12"ø
RCCP @ 0.50%

26 L.F. – 12"ø
RCCP @ 4.59%

PI=18+27.4

64.5 L.F. – 18"ø
RCCP @ 0.31%

STRUCTURE #21
TYPE B INLET
TYPE 24 F&G
STA 18+17.65
OFFSET 14.00' RT
TOG FL=545.73
INV=540.31

64.5 L.F. – 18"ø
RCCP @ 0.31%

STRUCTURE #23
TYPE A MANHOLE–4'ø
TYPE 24 F&G
STA 18+89.88
OFFSET 14.00' RT
TOG FL=546.31
INV=540.10

53.5 L.F. – 12"ø
RCCP @ 4.73%

STRUCTURE #24
TYPE A INLET
TYPE 24 F&G
STA 19+49.10
OFFSET 14.00' RT
TOG FL=546.77
INV=542.77

PI=19+53.58

MATCH LINE STA 20+00

STRUCTURE #23
TYPE A MANHOLE–4'ø
TYPE 24 F&G
STA 18+89.88
OFFSET 14.00' RT
TOG FL=546.31
INV=540.10

STRUCTURE #22
TYPE A MANHOLE–4'ø
STA 18+89.88 LT.
TOG FL=546.72

STRUCTURE #57
TYPE A INLET
STA 18+49.56 LT.
TOG FL=545.05
INV.=541.84

64 L.F. – 12"
CONCRETE PIPE
SLOPE: 2.00 %

STRUCTURE #55
TYPE A MANHOLE
STA 18+90.77 LT.
TOG FL=546.31

79 L.F. – 21"
CONCRETE PIPE
SLOPE: 1.53 %

STRUCTURE #01
21" METAL F.E.S.
INV.=536.51

TOG FL=546.31

INV.=540.10

INV.=540.01

24 L.F. – 21"
CONCRETE PIPE
SLOPE: 0.32 %

88.5 L.F. – 21"
CONCRETE PIPE
SLOPE: 1.79 %

INV.=538.35

INV.=540.50

INV.=537.75

545
540
535

17 SQ YD
RR4 RIPRAP

21"ø METAL F.E.S.
INV=536.51

79 L.F. – 21"ø
RCCP @ 1.53%

STRUCTURE #55
TYPE A MANHOLE–4'ø
TYPE 8 GRATE
STA 18+90.77
OFFSET 107.11' LT
TOG FL=545.60
INV=537.75
INF (S)=540.50
INF (E)=538.35

64 L.F. – 12"ø
RCCP @ 2.00%

EXIST. SIDEWALK

STRUCTURE #57
TYPE A INLET
TYPE 8 GRATE
STA 18+49.56
OFFSET 69.45' LT
TOG FL=545.05
INV=541.84

EXIST MH
TOP 546.09'
INV 537.75'

INLET
TOP 545.35
INV 543.85

88.5 L.F. – 21"ø
RCCP @ 1.79%

STRUCTURE #22
TYPE A MANHOLE–4'ø
TYPE 24 F&G
STA 18+89.88
OFFSET 14.00' LT
TOG FL=546.72
INV=540.01

24 L.F. – 21"ø
RCCP @ 0.32%

JENNIFER COURT
(TO BE BUILT BY OTHERS)

MOLDEN ELEMENTARY SCHOOL

20' 0 20' 40'
GRAPHIC SCALE

STRUCTURE #13 TYPE A INLET STA. 15+30.34 LT.
STRUCTURE #14 TYPE A MANHOLE STA. 15+30.34 RT.
STRUCTURE #15 TYPE B INLET STA. 15+98.48 RT.
STRUCTURE #16 TYPE B INLET STA. 16+66.82 RT.
STRUCTURE #17 TYPE A INLET STA. 17+35.99 LT.
STRUCTURE #18 TYPE B INLET STA. 17+34.75 RT.
STRUCTURE #19 TYPE A INLET STA. 17+45.41 LT.
STRUCTURE #20 TYPE A MANHOLE STA. 17+45.41 RT.
STRUCTURE #21 TYPE B INLET STA. 18+17.65 RT.
STRUCTURE #23 TYPE A MANHOLE STA. 18+89.88 RT.
STRUCTURE #24 TYPE A INLET STA. 19+49.10 RT.

TOG FL=546.76
INV.=542.84
24.5 L.F. – 12"ø TY. 2, CLASS A RCCP @ 0.46%
64.5 L.F. – 18"ø TY. 2, CLASS A RCCP @ 0.31%
TOG FL=546.76
INV.=541.17
EXISTING PROFILE
64.5 L.F. – 18"ø TY. 2, CLASS A RCCP @ 0.31% =0.72%
TOG FL=546.26
INV.=540.96
65 L.F. – 18"ø TY. 2, CLASS A RCCP @ 0.30%
TOG FL=545.77
INV.=540.75
PROPOSED PROFILE
TOG FL=545.82
INV.=541.90
8 L.F. – 12"ø TY. 2, CLASS A RCCP @ 0.50%
TOG FL=545.82
INV.=541.85
26 L.F. – 12"ø TY. 2, CLASS A RCCP @ 4.59%
63.5 L.F. – 18"ø TY. 2, CLASS A RCCP @ 0.30%
TOG FL=545.41
INV.=540.55
6.5 L.F. – 18"ø TY. 2, CLASS A RCCP @ 0.30%
TOG FL=545.41
INV.=540.52
64.5 L.F. – 18"ø TY. 2, CLASS A RCCP @ 0.31%
TOG FL=545.73
INV.=540.31
0.82%
64.5 L.F. – 18"ø TY. 2, CLASS A RCCP @ 0.31%
TOG FL=548.31
INV.=540.10
53.5 L.F. – 12"ø TY. 2, CLASS A RCCP @ 4.73%
PROPOSED PROFILE
EXISTING PROFILE

547.6 547.31
547.4 546.95
547.2 546.58
547.0 546.22
546.7 545.88
546.3 545.79
546.4 545.94
546.3 548.32
546.5 546.73
547.9 547.10
547.7 547.27

15+00 16+00 17+00 18+00 19+00 20+00

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