IL RTE. 31 MAINLINE

27 STA. 92+22.84, 13.5' LT
MAN ADJUST
EX RIM = 749.95
PR RIM = 750.01
INV = 744.25 EX (N)
INV = 744.05 EX (S)
INV = 744.75 EX (E)
INV = 745.85 (W)

31 STA. 90+21.52, 11.4' LT
MAN ADJUST
EX RIM = 745.88
PR RIM = 746.01
INV = 738.68 EX (N)
INV = 738.73 EX (E)
INV = 741.53 (W)

37 STA. 87+41.22, 29.8' RT
CB TA 5 DIA TIF OL
RIM = 739.92
INV = 734.02 (S)
INV = 734.02 EX (N)
INV = 734.02 EX (W)

38 STA. 91+16.46, 30.0' LT
CB TC T24F&G
RIM = 748.51
INV = 741.95 (E)

106 STA. 90+19.51, 29.9' LT
CB TC T24F&G
RIM = 745.98
INV = 742.38 (E)
INV = 742.48 (4" NE)

108 STA. 92+26.37, 27.4' LT
CB TC T24F&G
RIM = 750.03
INV = 746.14 (E)

109 STA. 98+72.59, 20.8' LT
CB TC T24F&G
RIM = 752.64
INV = 749.10 (E)

160 STA. 94+45.60, 14.5' LT
MAN ADJUST
EX RIM = 753.14
PR RIM = 753.14
INV = 747.64 EX (N)
INV = 749.34 (NW)
INV = 749.34 EX (E)
INV = 747.34 (S)

165 STA. 93+30.92, 11.6' LT
MAN ADJUST
EX RIM = 751.87
PR RIM = 751.87
INV = 745.72 (N)
INV = 747.87 EX (NW)
INV = 746.67 EX (SE)
INV = 745.72 EX (S)

166 STA. 94+48.90, 19.8' LT
CB TA 4 DIA T24F&G
RIM = 753.30
INV = 749.50 (SE)
INV = 749.50 (SW)

A1 STA. 97+81, 19.2' LT
INLETS ADJUST
EX RIM = 753.20
PR RIM = 753.14

A1A STA. 88+35.47, 19.1' RT
INLETS ADJ NEW T24F&G
EX RIM = 741.28
PR RIM = 741.28

A1B STA. 89+72.50, 24.4' RT
MAN ADJUST
EX RIM = 742.14
PR RIM = 742.14

A2 STA. 98+39, 11.5' LT
MAN ADJUST
EX RIM = 753.11
PR RIM = 753.12

IL RTE. 31 MAINLINE

A1C STA. 89+77.98, 40.55' RT
MAN ADJUST
EX RIM = 742.01
PR RIM = 742.01

A3I STA. 96+08.18, 14.4' LT
MAN ADJUST
EX RIM = 753.93
PR RIM = 753.93

HW4 STA. 88+86.00, 65.6' LT
CONC HDWL FOR P DRAIN
INV = 741.00

37 21'-STORM SEW CL A 2, 24" @ 0.33%
TBF=0.0 CU YD

38 19'-STORM SEW CL A 2, 12" @ 4.53%
TBF=9.7 CU YD

106 17'-STORM SEW CL A 1, 12" @ 5.00%
TBF=2.2 CU YD

108 13'-STORM SEW CL A 1, 12" @ 2.23%
TBF=1.7 CU YD

129 8'-STORM SEW CL A 1, 12" @ 0.63%
TBF=1.1 CU YD

U1 14'-PIPE UNDERDRAIN, 4"

EDGEWOOD DRIVE

107 STA. 9+00.00, 35.9' LT
PRC FLAR END SEC 12
INV = 739.10 (SW)

135 STA. 8+75.75, 12.8' LT
CB TA 4 DIA T24F&G
RIM = 741.60
INV = 738.20 (NE)
INV = 738.20 (NW)
INV = 738.20 EX (S)

155 STA. 8+65.65, 18.03' LT
CB TC TIF CL
RIM = 741.50
INV = 738.25 (SW)

109 24'-STORM SEW CL A 1, 12"@ 3.75%
TBF=0.6 CU YD

135 8'-STORM SEW CL A 1, 12"@ 0.56%
TBF=1.1 CU YD

SCENIC DRIVE

125 STA. 94+22.41, 36.6' LT
CB TA 4 DIA T1OF&G
RIM = 757.79
INV = 750.45 (NE)
INV = 752.45 (S)
INV = 752.45 (SW)

132 STA. 93+30.38, 35.0' LT
CB TA 4 DIA T1OF&G
RIM = 760.05
INV = 755.55 (N)
INV = 757.55 (SW)

SCENIC DRIVE

161 STA. 93+11.10, 93.1' LT
CB TA 4 DIA TIF CL
RIM = 770.00
INV = 768.48 (W)
INV = 766.48 (NE)
INV = 766.48 (NW)

162 STA. 93+45.00, 115.9' LT
CB TA 4 DIA TIF CL
RIM = 772.25
INV = 770.00 EX (W)
INV = 768.25 (SE)

SCENIC DRIVE

101 90'-STORM SEW CL A 2, 12" @ 3.44%
TBF=0.0 CU YD

160 67'-STORM SEW CL A 2, 15" @ 1.51%
TBF=22.8 CU YD

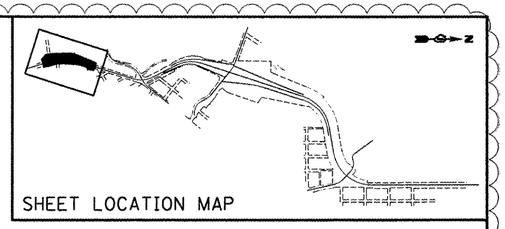
161 39'-STORM SEW CL A 2, 12" @ 4.54%
TBF=10.8 CU YD

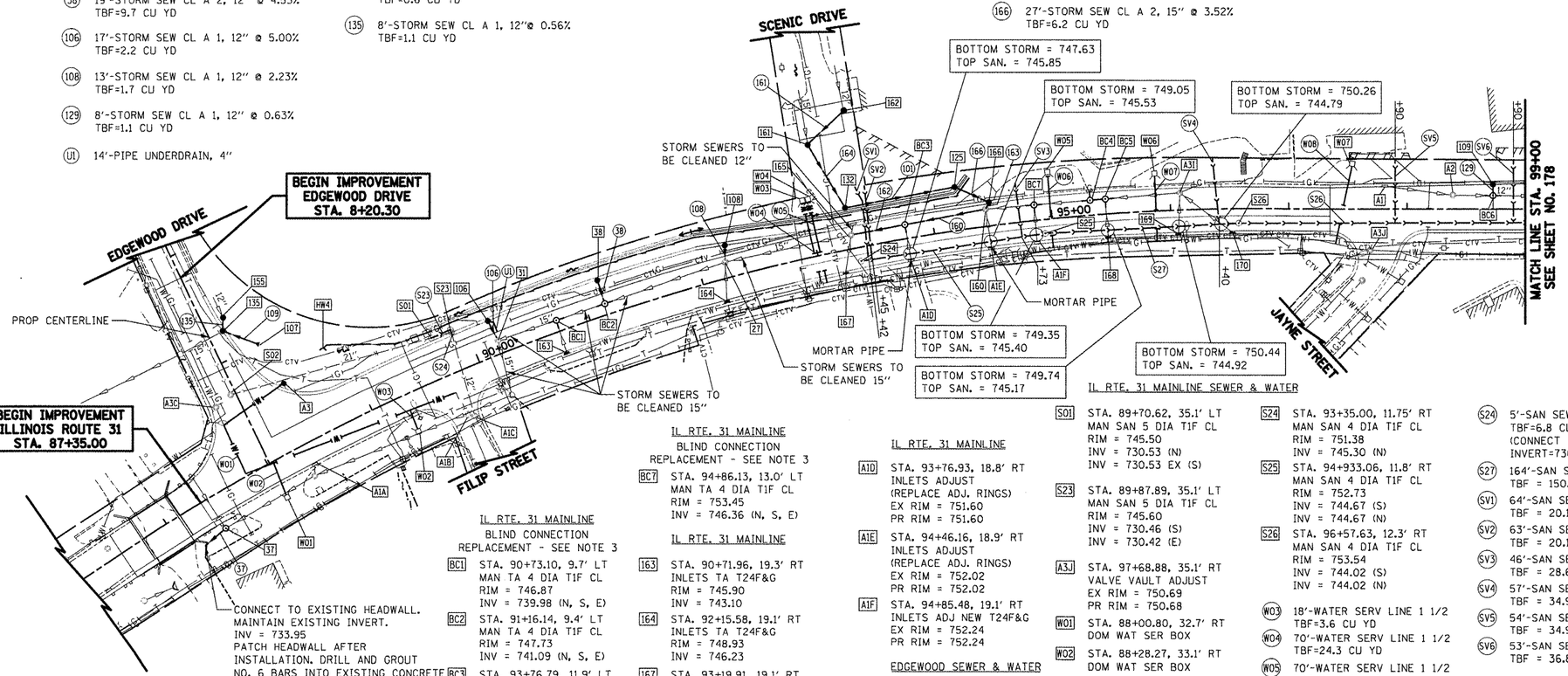
162 43'-STORM SEW CL A 2, 15" @ 1.42%
TBF=15.6 CU YD

163 5'-STORM SEW CL A 1, 15" @ 3.20%
TBF=0.61 CU YD

164 58'-STORM SEW CL A 1, 12" @ 15.40%
TBF=0.0 CU YD

166 27'-STORM SEW CL A 2, 15" @ 3.52%
TBF=6.2 CU YD





CONNECT TO EXISTING HEADWALL.
MAINTAIN EXISTING INVERT.
INV = 733.95
PATCH HEADWALL AFTER
INSTALLATION. DRILL AND GROUT
NO. 6 BARS INTO EXISTING CONCRETE
FOR PATCH. (INCLUDED IN COST OF
STORM SEWER)

NOTES:

1. CURB STRUCTURE RIM ELEVATIONS ARE LOCATED AT THE EDGE OF PAVEMENT

2. LOCATION CALL-OFFS AND INVERT ELEVATIONS FOR END SECTIONS ARE AT THE FLARED END OF THE STRUCTURE

3. NEW MANHOLES REPLACING EXISTING BLIND CONNECTIONS SHALL REQUIRE 4 FEET OF NEW STORM SEWER IN EACH DIRECTION WHERE AN EXISTING STORM SEWER CONNECTION REMAINS. THIS WORK SHALL BE PAID FOR AS "STORM SEWERS, CLASS A" OF THE SAME TYPE AND SIZE OF THE EXISTING SEWER BEING TIED INTO.

4. CONTRACTOR SHALL COORDINATE ALL WATER MAIN WORK WITH THE VILLAGE OF ALGONQUIN

IL RTE. 31 MAINLINE
BLIND CONNECTION
REPLACEMENT - SEE NOTE 3

BC1 STA. 90+73.10, 9.7' LT
MAN TA 4 DIA T1F CL
RIM = 746.87
INV = 739.98 (N, S, E)

BC2 STA. 91+16.14, 9.4' LT
MAN TA 4 DIA T1F CL
RIM = 747.73
INV = 741.09 (N, S, E)

BC3 STA. 93+76.79, 11.9' LT
MAN TA 4 DIA T1F CL
RIM = 752.53
INV = 746.33 (N, S, E)

BC4 STA. 95+32.80, 12.5' LT
MAN TA 4 DIA T1F CL
RIM = 753.69
INV = 748.54 (N, S, W)

BC5 STA. 95+45.48, 12.6' LT
MAN TA 4 DIA T1F CL
RIM = 753.73
INV = 748.70 (N, S, E)

BC6 STA. 98+72.60, 11.2' LT
MAN TA 4 DIA T1F CL
RIM = 752.86
INV = 749.05 (N, S, W)

IL RTE. 31 MAINLINE
BLIND CONNECTION
REPLACEMENT - SEE NOTE 3

BC7 STA. 94+86.13, 13.0' LT
MAN TA 4 DIA T1F CL
RIM = 753.45
INV = 746.36 (N, S, E)

IL RTE. 31 MAINLINE

163 STA. 90+71.96, 19.3' RT
INLETS TA T24F&G
RIM = 745.90
INV = 743.10

164 STA. 92+15.58, 19.1' RT
INLETS TA T24F&G
RIM = 748.93
INV = 746.23

167 STA. 93+19.91, 19.1' RT
INLETS TA T24F&G
RIM = 750.86
INV = 747.86

168 STA. 95+45.69, 19.5' RT
INLETS TA T24F&G
RIM = 752.56
INV = 749.91

169 STA. 96+05.89, 20.4' RT
INLETS TA T24F&G
RIM = 752.93
INV = 750.52

170 STA. 96+52.35, 20.2' RT
INLETS TA T24F&G
RIM = 753.12
INV = 750.47

IL RTE. 31 MAINLINE

A1D STA. 93+76.93, 18.8' RT
INLETS ADJUST
(REPLACE ADJ. RINGS)
EX RIM = 751.60
PR RIM = 751.60

A1E STA. 94+46.16, 18.9' RT
INLETS ADJUST
(REPLACE ADJ. RINGS)
EX RIM = 752.02
PR RIM = 752.02

A1F STA. 94+85.48, 19.1' RT
INLETS ADJ NEW T24F&G
EX RIM = 752.24
PR RIM = 752.24

EDGEWOOD SEWER & WATER

S02 STA. 9+27.79, 4.4' RT
SAN MAN ADJUST
EX RIM = 742.14
PR RIM = 742.10
RIM = 742.14
INV = 731.80 EX (W)
INV = 731.80 EX (N)

A3 STA. 9+40, 32.9' LT.
FIRE HYDRANT TO BE MOVED
TO STA. 9+37.7, 39.9' LT

A3C STA. 9+32, 20.3' RT
VALVE VAULT ADJUST
EX RIM = 741.83
PR RIM = 741.84

IL RTE. 31 MAINLINE SEWER & WATER

S01 STA. 89+70.62, 35.1' LT
MAN SAN 5 DIA T1F CL
RIM = 745.50
INV = 730.53 (N)
INV = 730.53 EX (S)

S23 STA. 89+87.89, 35.1' LT
MAN SAN 5 DIA T1F CL
RIM = 745.60
INV = 730.46 (S)
INV = 730.42 (E)

A3J STA. 97+68.88, 35.1' RT
VALVE VAULT ADJUST
EX RIM = 750.69
PR RIM = 750.68

W01 STA. 88+00.80, 32.7' RT
DOM WAT SER BOX

W02 STA. 88+28.27, 33.1' RT
DOM WAT SER BOX

W03 STA. 92+97.16, 46.4' LT
DOM WAT SER BOX

W04 STA. 93+02.00, 46.5' LT
DOM WAT SER BOX

W05 STA. 95+00.00, 37.4' LT
DOM WAT SER BOX

W06 STA. 95+88.00, 29.6' LT
DOM WAT SER BOX

W07 STA. 97+53.41, 35.9' LT
DOM WAT SER BOX

W01 298'-WATER MAIN 6
TBF=134.1 CU YD

W02 30'-WATER SERV LINE 2
TBF=8.6 CU YD

S24 STA. 93+35.00, 11.75' RT
MAN SAN 4 DIA T1F CL
RIM = 751.38
INV = 745.30 (N)

S25 STA. 94+933.06, 11.8' RT
MAN SAN 4 DIA T1F CL
RIM = 752.73
INV = 744.67 (S)
INV = 744.67 (N)

S26 STA. 96+57.63, 12.3' RT
MAN SAN 4 DIA T1F CL
RIM = 753.54
INV = 744.02 (S)
INV = 744.02 (N)

W03 18'-WATER SERV LINE 1 1/2
TBF=3.6 CU YD

W04 70'-WATER SERV LINE 1 1/2
TBF=24.3 CU YD

W05 70'-WATER SERV LINE 1 1/2
TBF=23.9 CU YD

W06 62'-WATER SERV LINE 1 1/2
TBF=18.6 CU YD

W07 55'-WATER SERV LINE 1 1/2
TBF=19.0 CU YD

W08 67'-WATER SERV LINE 1 1/2
TBF=19.0 CU YD

S25 157'-SAN SEW 8 @ 0.40%
TBF = 107.1 CU YD

S26 306'-SAN SEW 8 @ 0.40%
TBF = 311.8 CU YD

S23 18'-SAN SEW 21 @ 0.39%
TBF = 40.5 CU YD

S24 5'-SAN SEW 21 @ 0.67%
TBF=6.8 CU YD
(CONNECT TO EXISTING SEWER,
INVERT=730.40)

S27 164'-SAN SEW 8 @ 0.41%
TBF = 150.2 CU YD

SV1 64'-SAN SEW SER 6 PVC
TBF = 20.1 CU YD

SV2 63'-SAN SEW SER 6 PVC
TBF = 20.1 CU YD

SV3 46'-SAN SEW SER 6 PVC
TBF = 28.6 CU YD

SV4 57'-SAN SEW SER 6 PVC
TBF = 34.9 CU YD

SV5 54'-SAN SEW SER 6 PVC
TBF = 34.9 CU YD

SV6 53'-SAN SEW SER 6 PVC
TBF = 36.8 CU YD

50 0 50
SCALE IN FEET

ILLINOIS ROUTE 31
EDGEWOOD DRIVE

ADDENDUM ⚠ REV. 5/21/2012 CTB

FILE NAME = ...\D160F72-sht-drpln-01.dgn	USER NAME = ctb	DESIGNED - DTE	REVISED - 5/21/2012 ⚠
		DRAWN - DTE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GAB	REVISED -
	PLOT DATE = 5/31/2012	DATE - 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1" = 50' | SHEET NO. 1 OF 15 SHEETS | STA. 87+35 TO STA. 99+00

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	177

CONTRACT NO. 60F72

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT