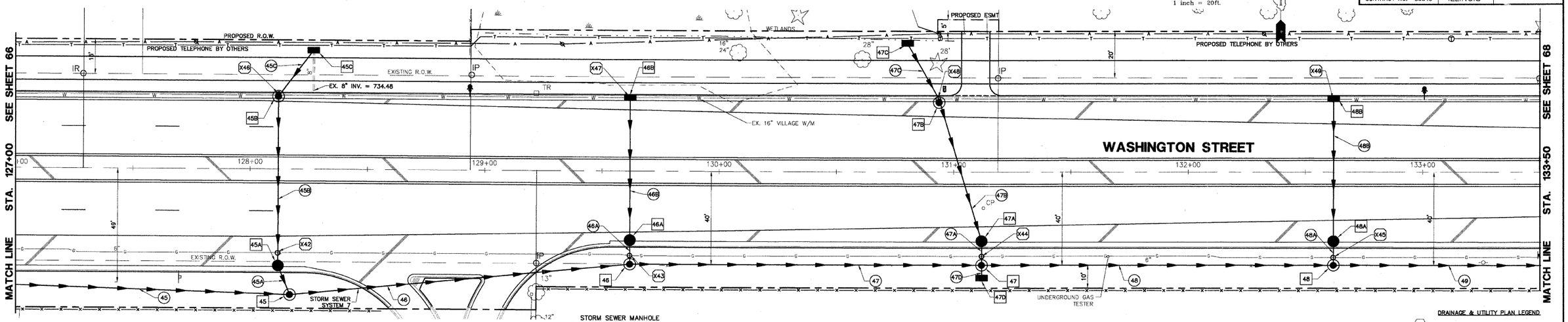
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	67
DRAINAGE – STA. 127+00 TO 133+50				
CONTRACT NO. 83845	ILLINOIS			

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20ft.



STORM SEWER MANHOLE
TY 'A' 48"ø TY 8 GR
RIM: 736.00 INV: 732.24
12" N INV: 732.56
STA: 128+17 O/S: 54'R (45)

STORM SEWER INLET
TY 'A' 24"ø TY 1 FR & CL
RIM: 735.90 INV: 733.61
EX. 8" N INV: 734.48
STA: 128+27 O/S: 50'L (45C)

STORM SEWER MANHOLE
TY 'A' 48"ø TY 24 FR & GR
RIM: 737.62 INV: 733.41
STA: 128+12 O/S: 31'L (45B)

STORM SEWER CATCHBASIN
TY 'A' 48"ø TY 24 FR & GR
RIM: 737.38 INV: 732.66
STA: 128+12 O/S: 42'R (45A)

STORM SEWER MANHOLE
TY 'A' 48"ø TY 1 FR & CL
RIM: 733.32 INV: 728.59
12" N INV: 728.72
STA: 129+62 O/S: 41'R (46)

STORM SEWER INLET
TY 'A' 24"ø TY 24 FR & GR
RIM: 733.76 INV: 730.14
STA: 129+62 O/S: 31'L (46B)

STORM SEWER CATCHBASIN
TY 'A' 48"ø TY 24 FR & GR
RIM: 733.76 INV: 728.90
STA: 129+62 O/S: 31'R (46A)

STORM SEWER INLET
TY 'A' 24"ø TY 8 GR
RIM: 729.70 INV: 727.29
STA: 130+80 O/S: 54'L (47C)

STORM SEWER MANHOLE
TY 'A' 48"ø TY 24 FR & GR
RIM: 730.33 INV: 726.73
STA: 130+94 O/S: 30'L (47B)

STORM SEWER CATCHBASIN
TY 'A' 48"ø TY 24 FR & GR
RIM: 729.86 INV: 725.45
STA: 131+12 O/S: 31'R (47A)

STORM SEWER MANHOLE
TY 'A' 48"ø TY 1 FR & CL
RIM: 729.40 INV: 723.84
18" W INV: 724.09
12" N INV: 725.27
12" S INV: 725.00
STA: 131+12 O/S: 41'R (47)

STORM SEWER INLET
TY 'A' 24"ø TY 24 FR & GR
RIM: 725.83 INV: 720.12
STA: 132+62 O/S: 30'L (48B)

STORM SEWER CATCHBASIN
TY 'A' 48"ø TY 24 FR & GR
RIM: 725.83 INV: 718.88
STA: 132+62 O/S: 31'R (48A)

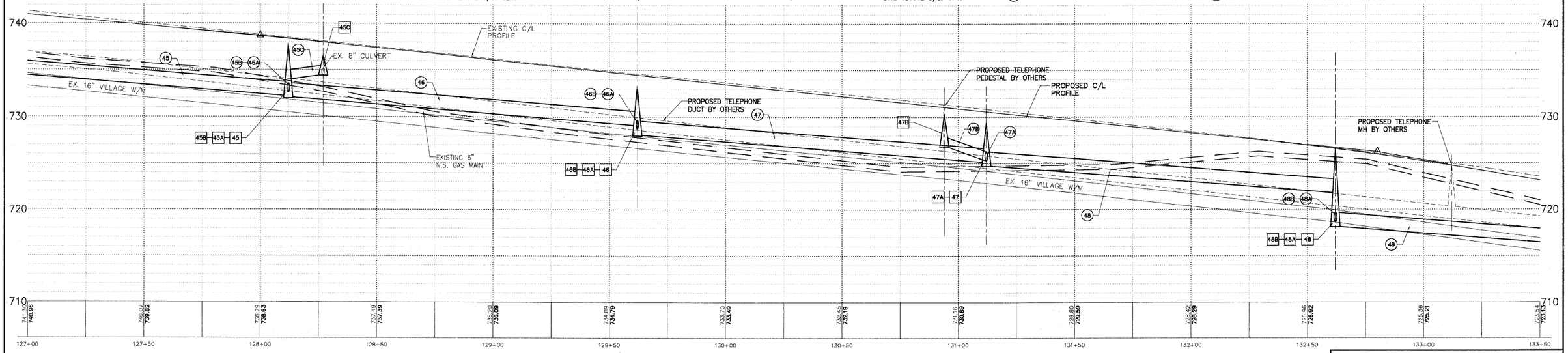
STORM SEWER MANHOLE
TY 'A' 48"ø TY 1 FR & CL
RIM: 726.57 INV: 718.20
18" W INV: 720.84
12" N INV: 718.70
STA: 132+62 O/S: 41'L (48)

STORM SEWER INLET
TY 'A' 24"ø TY 8 GR
RIM: 727.60 INV: 725.10
STA: 131+12 O/S: 47'R (47D)

(45) 155 LF 15" SS, CL A, TY 1, @ 2.00%, TBF 79.4 CY
(45C) 26 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 5.8 CY
(45B) 74 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 12.3 CY
(45A) 10 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 7.3 CY
(46) 150 LF 15" SS, CL A, TY 1, @ 2.50%, TBF 66.5 CY
(46B) 62 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 10.4 CY
(46A) 9 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 3.4 CY
(47) 150 LF 15" SS, CL A, TY 1, @ 3.00%, TBF 65.1 CY
(47C) 28 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 4.0 CY
(47B) 64 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 9.2 CY
(47D) 5 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 1.2 CY
(47A) 9 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 3.0 CY
(48) 150 LF 18" SS, CL A, TY 1, @ 2.00%, TBF 78.3 CY
(48B) 62 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 24.0 CY
(48A) 9 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 5.9 CY
(49) 143 LF 18" SS, CL A, TY 1, @ 2.41%, TBF 100.0 CY

NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.

DRAINAGE & UTILITY PLAN LEGEND
- (5) EXISTING SANITARY STRUCTURE
- EXISTING SANITARY SEWER
- (9) EXISTING WATERMAIN STRUCTURE
- (W) EXISTING WATERMAIN
- (23) EXISTING STORM SEWER STRUCTURE
- EXISTING STORM SEWER
- (37) PROPOSED STORM SEWER STRUCTURE
- PROPOSED STORM SEWER
- (37A) PROPOSED STORM SEWER PIPE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED STORM SEWER CATCHBASIN
- PROPOSED STORM SEWER INLET
- (X05) PROPOSED UTILITY CROSSING



GAS OVER STORM
B/GAS = 735.00
T/STORM = 734.05 (X42)

GAS OVER STORM
B/GAS = 731.20
T/STORM = 730.20 (X43)

GAS OVER STORM
B/GAS = 727.70
T/STORM = 726.70 (X44)

GAS OVER STORM
B/GAS = 723.45
T/STORM = 720.15 (X45)

STORM MH OVER WATER
B/STORM MH = 732.70
T/WATER = 731.20 (X46)

INLET OVER WATER
B/INLET = 729.45
T/WATER = 727.95 (X47)

STORM MH OVER WATER
B/STORM MH = 726.00
T/WATER = 724.00 (X48)

INLET OVER WATER
B/INLET = 719.40
T/WATER = 717.40 (X49)

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS

NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN STA. 127+00 TO 133+50

PROPOSED ROADWAY RECONSTRUCTION WASHINGTON STREET

SCALE: H: 1"=20' V:1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

3001212-WAS-PRT.dwg