33 STA 9+89.6, 30.0' LT
MAN TA 4 DIA T1F CL
RIM = 768.13
INV = 763.77 (12" W)
INV = 763.77 (12" S)

34 STA 9+89.6, 20.5' LT
CB TA 4 DIA T11V F&G
RIM = 769.77
INV = 763.93 (12" S)
INV = 763.71 (12" N)
INV = 763.67 (12" E)
(WITH HALF TRAP)

35 STA 9+85.2, 20.5' RT
CB TA 4 DIA T11V F&G
RIM = 769.79
INV = 764.85 (12" E)
INV = 764.31 (12" N)

68' STORM SEWER REM 12"
TRENCH BACKFILL = 9 CU YD

CONCRETE HEADWALL REMOVAL
SEE NOTE 1

31 6' STORM SEW WM REQ 12" @ 1.00%
TRENCH BACKFILL = 2 CU YD

32 39' STORM SEW WM REQ 12" @ 1.00%
TRENCH BACKFILL = 13 CU YD

33 62' STORM SEW CL A 1, 12" @ 1.00%
TRENCH BACKFILL = 13 CU YD

34 77' STORM SEW WM REQ 12" @ 1.00%
TRENCH BACKFILL = 26 CU YD

35 71' STORM SEW WM REQ 24" @ 2.33%
TRENCH BACKFILL = 24 CU YD

36 8' STORM SEW CL A 1, 12" @ 1.00%
TRENCH BACKFILL = 2 CU YD

37 29' STORM SEW CL A 1, 12" @ 1.00%
TRENCH BACKFILL = 6 CU YD

38 84' STORM SEW WM REQ 36" @ 0.13%
TRENCH BACKFILL = 56 CU YD

39 15' STORM SEW CL A 1, 36" @ 0.13%
TRENCH BACKFILL = 6 CU YD

40 37' STORM SEW WM REQ 12" @ 1.00%
TRENCH BACKFILL = 13 CU YD

41 5' STORM SEW WM REQ 12" @ 1.00%
TRENCH BACKFILL = 2 CU YD

42 13' STORM SEW WM REQ 12" @ 1.50%
TRENCH BACKFILL = 2 CU YD

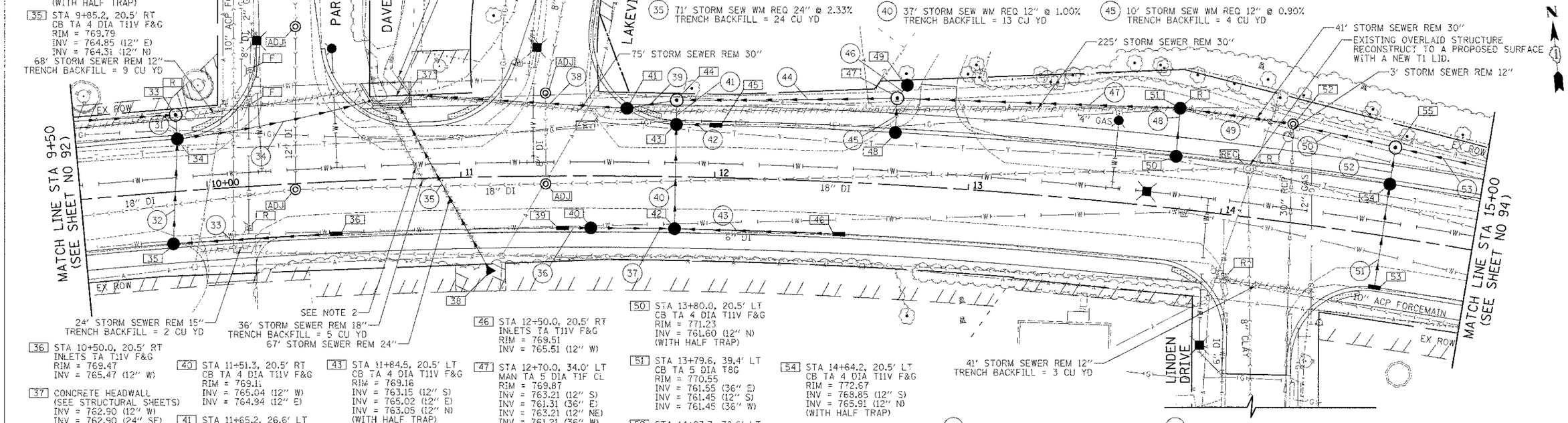
43 62' STORM SEW CL A 1, 12" @ 1.00%
TRENCH BACKFILL = 11 CU YD

44 82' STORM SEW CL A 1, 36" @ 0.13%

45 10' STORM SEW WM REQ 12" @ 0.90%
TRENCH BACKFILL = 4 CU YD

NOTE:

1. INSTALL "SEDIMENT COLLECTION CHAMBER SYSTEM, TEMPORARY" AS DIRECTED BY ENGINEER.
2. CONTRACTOR TO CONFIRM PIPE SOURCE. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THIS WORK.



36 STA 10+50.0, 20.5' RT
INLETS TA T11V F&G
RIM = 769.47
INV = 765.47 (12" W)

37 CONCRETE HEADWALL
(SEE STRUCTURAL SHEETS)
INV = 762.90 (12" W)
INV = 762.90 (24" SE)
INV = 760.77 (36" E)

38 STA 11+11.3, 38.1' RT
END SECTIONS 24
INV = 764.68 (24" NW)

39 STA 11+40.0, 20.5' RT
INLETS TA T11V F&G
RIM = 769.12
INV = 765.12 (12" E)

40 STA 11+51.3, 20.5' RT
CB TA 4 DIA T11V F&G
RIM = 769.11
INV = 765.04 (12" W)
INV = 764.94 (12" E)

41 STA 11+65.2, 26.6' LT
CB TA 5 DIA T11V F&G
RIM = 769.34
INV = 760.98 (36" E)
INV = 760.88 (36" W)

42 STA 11+84.5, 20.5' RT
CB TA 4 DIA T11V F&G
RIM = 769.16
INV = 764.65 (12" W)
INV = 764.89 (12" E)
INV = 763.52 (12" N)

43 STA 11+84.5, 20.5' LT
CB TA 4 DIA T11V F&G
RIM = 769.16
INV = 763.15 (12" S)
INV = 765.02 (12" E)
INV = 763.05 (12" N)
(WITH HALF TRAP)

44 STA 11+84.5, 30.0' LT
MAN TA 5 DIA T1F CL
RIM = 769.45
INV = 761.10 (36" E)
INV = 763.00 (12" S)
INV = 761.00 (36" W)

45 STA 12+00.0, 20.5' LT
INLETS TA T11V F&G
RIM = 769.21
INV = 765.21 (12" W)

46 STA 12+50.0, 20.5' RT
INLETS TA T11V F&G
RIM = 769.51
INV = 765.51 (12" W)

47 STA 12+70.0, 34.0' LT
MAN TA 5 DIA T1F CL
RIM = 769.87
INV = 763.21 (12" S)
INV = 761.31 (36" E)
INV = 763.21 (12" NE)
INV = 761.21 (36" W)

48 STA 12+70.0, 20.5' LT
CB TA 4 DIA T11V F&G
RIM = 769.69
INV = 763.30 (12" N)
(WITH HALF TRAP)

49 STA 12+73.6, 39.4' LT
CB TA 4 DIA T8G
RIM = 769.76
INV = 763.23 (12" SW)
(WITH HALF TRAP)

50 STA 13+80.0, 20.5' LT
CB TA 4 DIA T11V F&G
RIM = 771.23
INV = 761.60 (12" N)
(WITH HALF TRAP)

51 STA 13+79.6, 39.4' LT
CB TA 5 DIA T8G
RIM = 770.55
INV = 761.55 (36" E)
INV = 761.45 (12" S)
INV = 761.45 (36" W)

52 STA 14+23.7, 38.6' LT
MAN ADJUST
FR & LIDS T1 CL
RIM = 773.14
INV = 763.05 (15" E)
INV = 761.70 (EX 30" S)
INV = 761.60 (36" W)

53 STA 14+64.2, 20.5' RT
INLETS TA T11V F&G
RIM = 772.67
INV = 769.61 (12" N)

54 STA 14+64.2, 20.5' LT
CB TA 4 DIA T11V F&G
RIM = 772.67
INV = 768.85 (12" S)
INV = 765.91 (12" N)
(WITH HALF TRAP)

55 STA 14+64.2, 35.1' LT
MAN TA 4 DIA T1F CL
RIM = 773.97
INV = 765.69 (12" S)
INV = 763.89 (15" E)
INV = 763.79 (15" NW)

46 2' STORM SEW CL A 1, 12" @ 1.00%

47 107' STORM SEW CL A 1, 36" @ 0.13%
TRENCH BACKFILL = 15 CU YD

48 15' STORM SEW WM REQ 12" @ 1.00%
TRENCH BACKFILL = 7 CU YD

49 40' STORM SEW CL A 1, 36" @ 0.13%

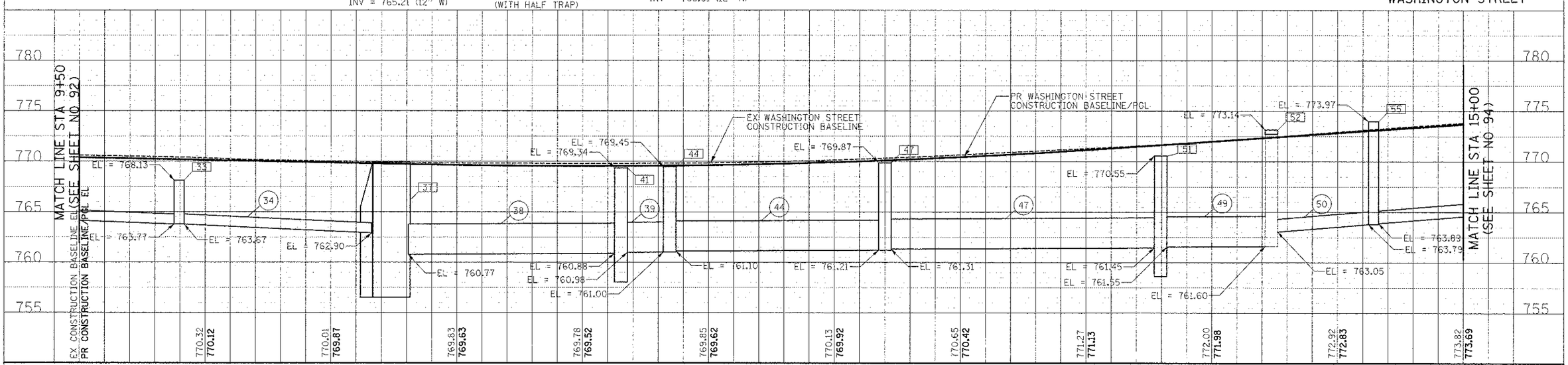
50 37' STORM SEW CL A 1, 15" @ 2.00%

51 38' STORM SEW WM REQ 12" @ 2.00%
TRENCH BACKFILL = 7 CU YD

52 11' STORM SEW WM REQ 12" @ 2.00%
TRENCH BACKFILL = 4 CU YD

53 134' STORM SEW CL A 1, 15" @ 2.00%

WASHINGTON STREET



CIVILTECH
450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALES
VERT. 0 5 10
HORIZ. 0 20 40

DRAINAGE AND UTILITIES

SHEET NO. 3 OF 15 SHEETS | STA. 9+50 TO STA. 15+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	93

CONTRACT NO. 63765

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

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		