105 STA 35+20.0, 20.5' RT
INLETS TA T11V F&G
RIM = 790.87
INV = 787.16 (12" W)

106 STA 36+27.6, 20.5' RT
CB TA 4 DIA T11V F&G
RIM = 790.02
INV = 786.12 (12" W)
INV = 786.02 (12" E)

107 STA 36+34.7, 20.5' RT
CB TA 4 DIA T11V F&G
RIM = 789.94
INV = 785.97 (12" W)
INV = 786.42 (12" SE)
INV = 785.68 (12" NE)

108 STA 36+59.7, 31.0' RT
INLETS TA T11V F&G
RIM = 790.66
INV = 786.66 (12" NW)

109 STA 36+10.0, 20.5' LT
INLETS TA T11V F&G
RIM = 790.20
INV = 786.20 (12" E)

110 STA 36+73.6, 22.5' LT
CB TA 5 DIA T11V F&G
RIM = 789.55
INV = 784.60 (12" W)
INV = 782.70 (36" E)
INV = 784.60 (12" SW)
INV = 782.60 (EX 12" N)
(WITH HALF TRAP)

111 STA 37+45.0, 20.5' LT
INLETS TA T11V F&G
RIM = 788.88
INV = 785.38 (12" E)

112 STA 37+60.0, 20.5' RT
INLETS TA T11V F&G
RIM = 788.82
INV = 785.59 (12" E)

113 STA 37+70.7, 20.5' RT
CB TA 4 DIA T11V F&G
RIM = 788.81
INV = 785.55 (12" W)
INV = 785.45 (12" N)

114 STA 37+70.7, 20.5' LT
CB TA 4 DIA T11V F&G
RIM = 788.81
INV = 785.26 (12" W)
INV = 785.26 (12" S)
INV = 785.16 (12" E)

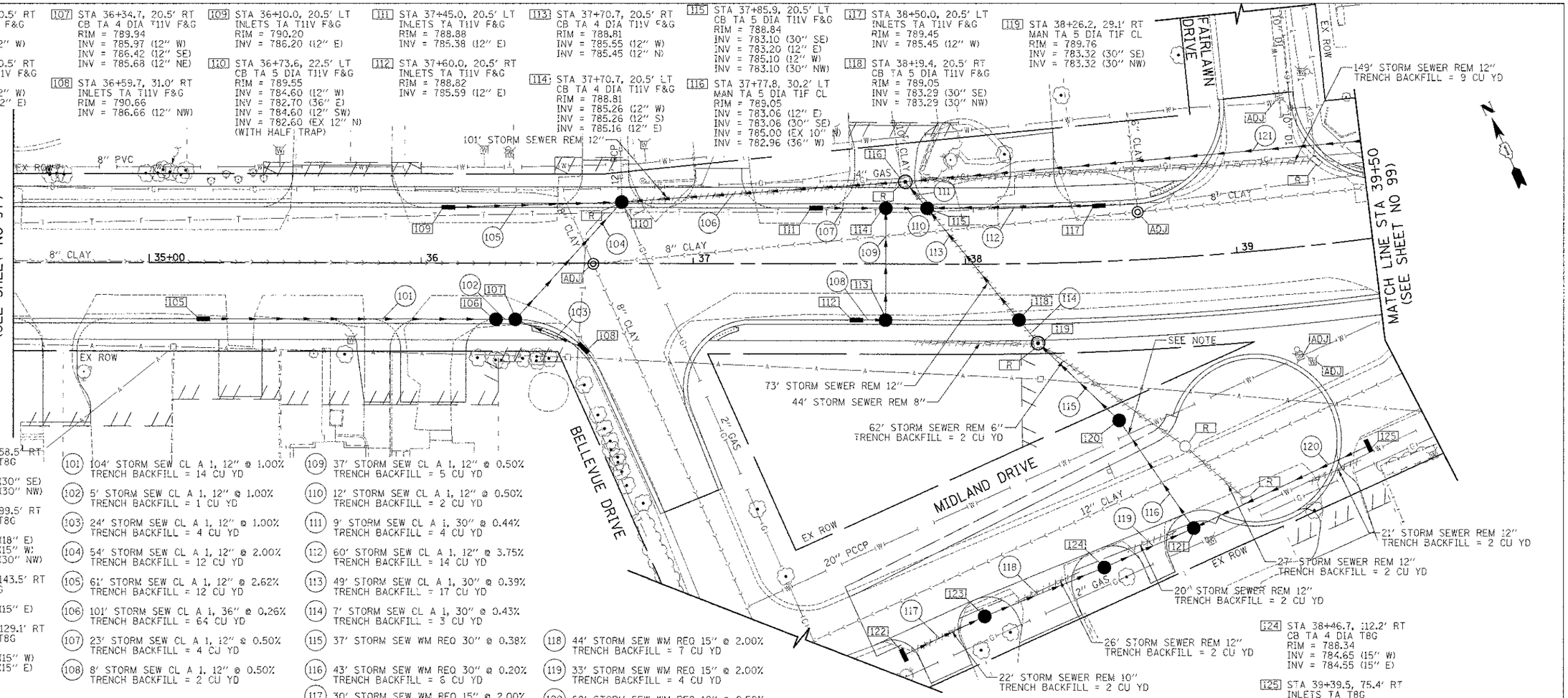
115 STA 37+85.9, 20.5' LT
CB TA 5 DIA T11V F&G
RIM = 788.84
INV = 783.10 (30" SE)
INV = 783.20 (12" E)
INV = 785.10 (12" W)
INV = 783.10 (30" NW)

116 STA 37+77.8, 30.2' LT
MAN TA 5 DIA T1F CL
RIM = 789.05
INV = 783.06 (12" E)
INV = 783.06 (30" SE)
INV = 785.00 (EX 10" N)
INV = 782.96 (36" W)

117 STA 38+50.0, 20.5' LT
INLETS TA T11V F&G
RIM = 789.45
INV = 785.45 (12" W)

118 STA 38+19.4, 20.5' RT
CB TA 5 DIA T11V F&G
RIM = 789.05
INV = 783.29 (30" SE)
INV = 783.29 (30" NW)

119 STA 38+26.2, 29.1' RT
MAN TA 5 DIA T1F CL
RIM = 789.76
INV = 783.32 (30" SE)
INV = 783.32 (30" NW)



120 STA 38+53.9, 58.5' RT
CB TA 5 DIA T8G
RIM = 787.00
INV = 783.49 (30" SE)
INV = 783.46 (30" NW)

121 STA 38+77.5, 99.5' RT
CB TA 5 DIA T8G
RIM = 788.08
INV = 783.68 (18" E)
INV = 783.89 (15" W)
INV = 783.58 (30" NW)

122 STA 37+77.7, 143.5' RT
INLETS TA T8G
RIM = 790.23
INV = 786.23 (15" E)

123 STA 38+06.6, 129.1' RT
CB TA 4 DIA T8G
RIM = 789.59
INV = 785.63 (15" W)
INV = 785.53 (15" E)

124 STA 38+46.7, 112.2' RT
CB TA 4 DIA T8G
RIM = 788.34
INV = 784.65 (15" W)
INV = 784.55 (15" E)

125 STA 39+39.5, 75.4' RT
INLETS TA T8G
RIM = 787.60
INV = 784.02 (18" W)

101 104' STORM SEW CL A 1, 12" @ 1.00%
TRENCH BACKFILL = 14 CU YD

102 5' STORM SEW CL A 1, 12" @ 1.00%
TRENCH BACKFILL = 1 CU YD

103 24' STORM SEW CL A 1, 12" @ 1.00%
TRENCH BACKFILL = 4 CU YD

104 54' STORM SEW CL A 1, 12" @ 2.00%
TRENCH BACKFILL = 12 CU YD

105 61' STORM SEW CL A 1, 12" @ 2.62%
TRENCH BACKFILL = 12 CU YD

106 101' STORM SEW CL A 1, 36" @ 0.26%
TRENCH BACKFILL = 64 CU YD

107 23' STORM SEW CL A 1, 12" @ 0.50%
TRENCH BACKFILL = 4 CU YD

108 8' STORM SEW CL A 1, 12" @ 0.50%
TRENCH BACKFILL = 2 CU YD

109 37' STORM SEW CL A 1, 12" @ 0.50%
TRENCH BACKFILL = 5 CU YD

110 12' STORM SEW CL A 1, 12" @ 0.50%
TRENCH BACKFILL = 2 CU YD

111 9' STORM SEW CL A 1, 30" @ 0.44%
TRENCH BACKFILL = 4 CU YD

112 60' STORM SEW CL A 1, 12" @ 3.75%
TRENCH BACKFILL = 14 CU YD

113 49' STORM SEW CL A 1, 30" @ 0.39%
TRENCH BACKFILL = 17 CU YD

114 7' STORM SEW CL A 1, 30" @ 0.43%
TRENCH BACKFILL = 3 CU YD

115 37' STORM SEW WM REQ 30" @ 0.38%

116 43' STORM SEW WM REQ 30" @ 0.20%
TRENCH BACKFILL = 6 CU YD

117 30' STORM SEW WM REQ 15" @ 2.00%
TRENCH BACKFILL = 5 CU YD

118 44' STORM SEW WM REQ 15" @ 2.00%
TRENCH BACKFILL = 7 CU YD

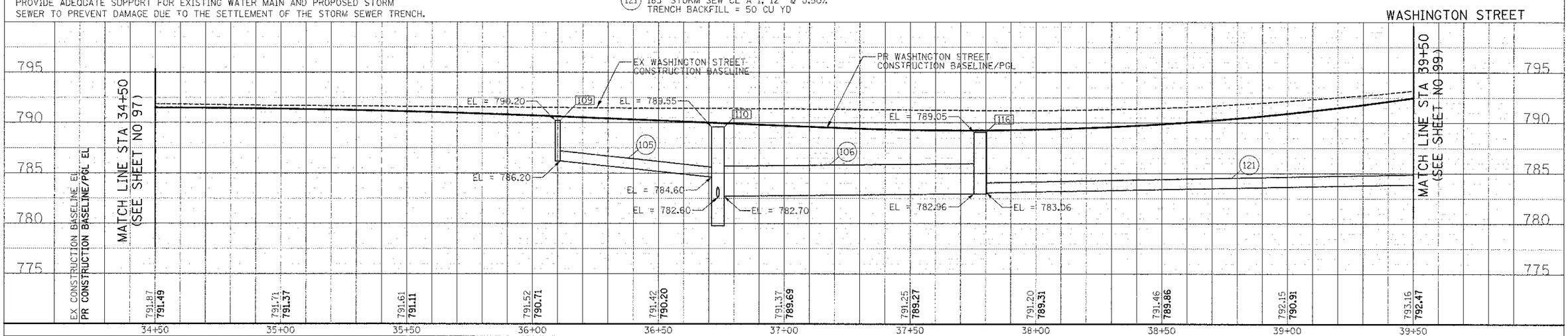
119 33' STORM SEW WM REQ 15" @ 2.00%
TRENCH BACKFILL = 4 CU YD

120 68' STORM SEW WM REQ 18" @ 0.50%
TRENCH BACKFILL = 10 CU YD

121 183' STORM SEW CL A 1, 12" @ 0.50%
TRENCH BACKFILL = 50 CU YD

NOTE:

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN AND PROPOSED STORM SEWER TO PREVENT DAMAGE DUE TO THE SETTLEMENT OF THE STORM SEWER TRENCH.



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

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

CIVILTECH
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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. 8 OF 15 SHEETS | STA. 34+50 TO STA. 39+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	98
		CONTRACT NO. 63765		

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