

122 STA. 22+50, 18.0' RT
CB TA 4 DIA T24F&G
RIM = 875.59
INV = 871.11 (NE)

123 STA. 22+50, 18.0' LT
CB TA 4 DIA T24F&G
RIM = 875.59
INV = 873.70 (PD W)
INV = 870.78 (SW)
INV = 870.78 (NE)

124 STA. 22+50, 40.0' LT
MAN TA 4 DIA TIF CL
RIM = 874.80
INV = 870.60 (SW)
INV = 869.03 (NW)
INV = 868.89 (SE)

125 STA. 24+00, 35.0' LT
MAN TA 5 DIA TIF CL
RIM = 875.20
INV = 868.00 (NW)
INV = 866.75 (SE)
INV = 866.55 (SW)

126 STA. 24+00, 18.0' LT
CB TA 5 DIA T24F&G
RIM = 874.54
INV = 866.52 (NE)
INV = 866.52 (SW)

127 STA. 24+00, 18.0' RT
CB TA 5 DIA T24F&G
RIM = 874.54
INV = 866.44 (NE)
INV = 866.44 (SW)

128 STA. 24+00, 45.5' RT
PRC FLAR END SEC 36
GRATING-C FL END S 36
INV = 866.39

129A STA. 22+17, 40.4' RT
MAN TA 6D TIF CL R-P
RIM = 870.00
INV = 864.47 (S)
INV = 864.47 (N)
7.4" ORIFICE

1283 STA. 21+60, 24.5' RT
MAN TA 5 DIA TIF CL
RIM = 876.00
INV = 864.32 (N)
INV = 864.32 (SE)

129 STA. 25+70, 18.0' RT
INLETS TA T24F&G
RIM = 873.65
INV = 869.49 (SE)

129A STA. 25+90, 18.0' RT
INLETS TA T24F&G
RIM = 873.65
INV = 869.49 (NW)

130 STA. 25+80, 18.0' RT
CB TA 4 DIA T24F&G
RIM = 873.64
INV = 869.42 (NW)
INV = 869.42 (SE)
INV = 869.42 (NE)

131 STA. 25+70, 18.0' LT
INLETS TA T24F&G
RIM = 873.65
INV = 871.75 (PD SW)
INV = 869.49 (SE)

131A STA. 25+90, 18.0' LT
INLETS TA T24F&G
RIM = 873.65
INV = 869.49 (NW)

132 STA. 25+80, 18.0' LT
CB TA 4 DIA T24F&G
RIM = 873.64
INV = 869.42 (NW)
INV = 869.42 (SE)
INV = 869.10 (SW)
INV = 869.10 (NE)

133 STA. 25+80, 35.0' LT
MAN TA 5 DIA TIF CL
RIM = 874.30
INV = 868.97 (SW)
INV = 867.36 (SE)
INV = 867.15 (NW)

140 STA. 32+50, 18.0' RT
INLETS TA T24F&G
RIM = 876.12
INV = 871.91 (N)

141 STA. 32+50, 18.0' LT
CB TA 4 DIA T24F&G
RIM = 876.12
INV = 871.58 (S)
INV = 871.58 (N)

142 STA. 32+50, 45.0' LT
MAN TA 5 DIA TIF CL
RIM = 879.15
INV = 871.35 (S)
INV = 869.55 (E)
INV = 869.35 (W)

143 STA. 34+23, 18.0' LT
INLETS TA T24F&G
RIM = 875.20
INV = 873.32 (PD W)
INV = 871.07 (E)

143A STA. 34+43, 18.0' LT
INLETS TA T24F&G
RIM = 875.20
INV = 871.07 (W)

144 STA. 34+33, 18.0' LT
CB TA 4 DIA T24F&G
RIM = 875.20
INV = 871.00 (W)
INV = 871.00 (E)
INV = 871.00 (N)

145 STA. 34+33, 40.0' LT
MAN TA 5 DIA TIF CL
RIM = 875.20
INV = 870.82 (S)
INV = 870.20 (E)
INV = 870.00 (W)

146 STA. 35+50, 18.0' LT
CB TA 4 DIA T24F&G
RIM = 875.74
INV = 871.57 (N)

147 STA. 35+50, 40.0' LT
MAN TA 5 DIA TIF CL
RIM = 875.95
INV = 871.39 (S)
INV = 870.88 (E)
INV = 870.48 (W)

148 STA. 37+00, 21.3' LT
CB TA 4 DIA T24F&G
RIM = 877.05
INV = 872.89 (N)

149 STA. 37+00, 40.0' LT
MAN TA 5 DIA TIF CL
RIM = 877.50
INV = 872.74 (S)
INV = 871.24 (F)
INV = 871.04 (W)

150 STA. 38+50, 27.8' LT
CB TA 4 DIA T24F&G
RIM = 878.30
INV = 876.42 (PD S)
INV = 873.75 (N)

151 STA. 38+50, 47.5' LT
MAN TA 5 DIA TIF CL
RIM = 877.95
INV = 873.60 (S)
INV = 871.80 (E)
INV = 871.60 (W)

152 STA. 39+50 32.2' LT
INLETS TA T24F&G
RIM = 879.13
INV = 874.15 (N)

153 STA. 39+50, 55.0' LT
MAN TA 5 DIA TIF CL
RIM = 878.15
INV = 873.96 (S)
INV = 872.24 (E)
INV = 872.04 (W)

154 STA. 41+00 38.8' LT
CB TA 4 DIA T24F&G
RIM = 880.38
INV = 874.77 (N)

155 STA. 41+00, 60.0' LT
MAN TA 5 DIA TIF CL
RIM = 879.25
INV = 874.60 (S)
INV = 872.80 (E)
INV = 872.60 (W)

156 STA. 42+50, 39.0' LT
CB TA 5 DIA T24F&G
RIM = 881.76
INV = 879.64 (PD SW)
INV = 875.96 (S)
INV = 875.27 (N)

157 STA. 42+50, 60.0' LT
MAN TA 5 DIA TIF CL
RIM = 880.70
INV = 875.17 (S)
INV = 873.37 (E)
INV = 873.17 (W)

158 STA. 45+50, 51.0' RT
INLETS TA T24F&G
RIM = 883.88
INV = 879.71 (W)

158A STA. 44+50, 51.0' RT
CB TA 4 DIA T24F&G
RIM = 883.36
INV = 878.74 (E)
INV = 878.74 (NW)

159 STA. 44+00, 39.0' LT
CB TA 4 DIA T24F&G
RIM = 883.37
INV = 877.75 (SE)
INV = 875.91 (N)

160 STA. 44+00, 60.0' LT
MAN TA 4 DIA TIF CL
RIM = 882.30
INV = 875.74 (S)
INV = 873.74 (W)

161 STA. 42+53, 54.6' RT
CB TC T24F&G
RIM = 881.50
INV = 876.63 (SW)

162 STA. 41+73, 50.9' RT
INLETS TA T24F&G
RIM = 881.22
INV = 876.37 (NW)

163 STA. 41+68, 47.3' RT
CB TA 4 DIA T24F&G
RIM = 881.17
INV = 876.34 (SE)
INV = 876.34 (NE)

164 STA. 39+94, 34.1' RT
CB TC T24F&G
RIM = 879.49
INV = 873.15
INV = 874.23 (N)

165 STA. 38+01, 25.7' RT
CB TC T24F&G
RIM = 877.89
INV = 872.41 (NW)

166 STA. 34+22, 18.0' RT
CB TA 4 DIA T24F&G
RIM = 875.20
INV = 869.45 (W)
INV = 869.45 (E)

166A STA. 34+12, 18.0' RT
INLETS TA T24F&G
RIM = 875.21
INV = 869.52 (E)

167 STA. 46+72, 66.2' LT
CB TC T24F&G
RIM = 882.88
INV = 878.87 (SE)

168 STA. 46+78, 61.4' LT
MAN TA 4 DIA TIF CL
RIM = 882.93
INV = 878.79 (NW)
INV = 878.69 EX (NE)

169 STA. 114+34, 51.0' LT
INLETS TA T24F&G
RIM = 889.75
INV = 885.60 (S)

170 STA. 116+80, 60.0' LT
MAN TA 6 DIA TIF CL
RIM = 889.15
INV = 877.16 (S)
INV = 876.66 (N)

171 STA. 117+35, 60.0' LT
MAN TA 7D TIF CL R-P
RIM = 880.97
INV = 874.10 EX (E)
INV = 874.00 EX (W)
INV = 874.20 (S)
10-YEAR H.W.E. = 881.64

172 STA. 113+00, 85.0' LT
PRC FLAR END SEC 12
GRATING-C FL END S 12
INV = 878.53 (W)

174 STA. 21+38, 44.6' RT
MAN TA 4 DIA TIF CL
RIM = 870.30
INV = 864.39 (N)
INV = 864.39 (S)

177 STA. 22+26, 58.5' RT
PRC FLAR END SEC 24
GRATING-C FL END S 24
INV = 864.50 (NE)

174 STA. 21+38, 33.1' RT
MAN RECONST
EX RIM = 870.36
PR RIM = 873.15
INV = 864.60 EX (S)
INV = 864.80 EX (N)

181 STA. 42+63, 105.2' RT
EX MANHOLE
EX RIM = 881.73
INV = 876.60 EX (E)
INV = 876.60 EX (S)
INV = 876.50 EX (NW)

182 STA. 42+48, 56.6' RT
MAN ADJ NEW T24F&G
EX RIM = 881.99
PR RIM = 881.45
INV = 877.60 EX (SW) PLUG
INV = 876.60 EX (SE)
INV = 876.50 EX (W) PLUG
INV = 876.60 EX (NE)
INV = 876.50 (N)

183 STA. 41+96, 56.8' RT
MAN ADJ NEW TIF CL
EX RIM = 881.97
PR RIM = 881.35
INV = 876.60 EX (E) PLUG
INV = 876.40 EX (S)
INV = 876.30 EX (NW)

184 STA. 41+73, 40.0' RT
MAN ADJ NEW TIF CL
EX RIM = 881.83
PR RIM = 881.05
INV = 877.20 EX (NE) PLUG
INV = 876.00 EX (SE)
INV = 876.00 EX (W)
INV = 876.30 (SW)

185 STA. 39+94, 28.0' RT
MAN ADJ NEW TIF CL
EX RIM = 880.97
PR RIM = 879.62
INV = 874.10 EX (E)
INV = 874.00 EX (W)
INV = 874.20 (S)

186 STA. 37+99, 22.3' RT
MAN ADJ NEW TIF CL
EX RIM = 879.08
PR RIM = 877.94
INV = 872.20 EX (E)
INV = 872.20 EX (W)
INV = 872.10 (SE)

187 STA. 36+12, 20.5' RT
MAN ADJ NEW T24F&G
EX RIM = 877.55
PR RIM = 876.31
INV = 871.00 EX (E)
INV = 871.00 EX (W)

188 STA. 34+31, 21.5' RT
MAN ADJ NEW T24F&G
EX RIM = 876.05
PR RIM = 875.20
INV = 869.20 EX (E)
INV = 869.20 EX (S)
INV = 869.40 (W)

189 STA. 34+32, 102.1' RT
EX FLAR END SEC 36
INV = 868.84

189 STA. 117+56, 56.2' LT
MAN RECONST
EX RIM = 887.44
PR RIM = 889.85
INV = 876.13 EX (W)
INV = 876.54 (S)
INV = 875.10 EX (E)

186 STA. 119+01, 67.7' LT
INL RECON NEW T1 CL
EX RIM = 879.16±
PR RIM = 884.35
INV = 878.43 (W)
INV = 875.57± EX (E)

187 STA. 119+00, 48.5' LT
MAN ADJUST
EX RIM = 887.00±
PR RIM = 887.96
INV = 876.53± EX (W)
INV = 876.53± EX (S)

187 STA. 31+86, 38.0' LT
SAN MAN ADJUST
EX RIM = 878.35
PR RIM = 876.40
INV = 864.70 EX (E)
INV = 864.40 EX (W)

188 STA. 35+35, 33.6' LT
SAN MAN ADJUST
EX RIM = 876.67
PR RIM = 876.25
INV = 866.00 EX (E)
INV = 866.00 EX (W)

189 STA. 38+87, 34.5' LT
SAN MAN ADJUST
EX RIM = 879.77
PR RIM = 878.95
INV = 868.00 EX (E)
INV = 867.90 EX (W)

190 STA. 42+35, 10.6' LT
SAN MAN ADJUST
EX RIM = 881.54
PR RIM = 882.18
INV = 871.10 EX (S)
INV = 870.70 EX (N)
INV = 869.80 EX (NE)
INV = 869.70 EX (W)

191 STA. 44+23, 54.8' LT
SAN MAN ADJUST
EX RIM = 881.99
PR RIM = 883.80
INV = 870.70 EX (SW)
INV = 870.60 EX (SE)

21 137' - STORM SEW CL A 2, 18" @ 0.65%
TBF = 0.0 CU YD

22 33' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6.9 CU YD

23 18' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 4.5 CU YD

24 137' - STORM SEW CL A 2, 18" @ 0.65%
TBF = 0.0 CU YD

25 12' - STORM SEW CL A 2, 36" @ 0.25%
TBF = 15.7 CU YD

26 31' - STORM SEW CL A 2, 36" @ 0.25%
TBF = 29.9 CU YD

27 19' - STORM SEW CL A 2, 36" @ 0.25%
TBF = 1.1 CU YD

28 56' - STORM SEW CL A 2, 24" @ 0.26%
TBF = 0.0 CU YD

28A 12' - STORM SEW CL A 2, 24" @ 0.25%
TBF = 0.0 CU YD

29 165' - STORM SEW CL A 2, 36" @ 0.25%
TBF = 15.7 CU YD

30 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

30A 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

31 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

31A 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

32 32' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 5.3 CU YD

33 13' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 3.0 CU YD

41 33' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 5.3 CU YD

42 23' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 10.6 CU YD

43 173' - STORM SEW CL A 2, 36" @ 0.25%
TBF = 0.0 CU YD

44 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

44A 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

45 18' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 4.2 CU YD

46 112' - STORM SEW CL A 1, 36" @ 0.25%
TBF = 0.0 CU YD

47 18' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 4.2 CU YD

48 145' - STORM SEW CL A 1, 36" @ 0.25%
TBF = 0.0 CU YD

49 14' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 4.0 CU YD

50 145' - STORM SEW CL A 1, 36" @ 0.25%
TBF = 0.0 CU YD

51 15' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 4.3 CU YD

52 95' - STORM SEW CL A 1, 36" @ 0.25%
TBF = 0.0 CU YD

53 19' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 4.6 CU YD

54 144' - STORM SEW CL A 1, 30" @ 0.25%
TBF = 0.0 CU YD

55 17' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 5.4 CU YD

56 148' - STORM SEW CL A 2, 30" @ 0.25%
TBF = 0.0 CU YD

57 17' - STORM SEW CL A 2, 24" @ 0.59%
TBF = 11.0 CU YD

57A 32' - STORM SEW WM REQ 24 @ 0.59%
TBF = 61.0 CU YD

58 148' - STORM SEW CL A 2, 18" @ 0.25%
TBF = 0.0 CU YD

59 17' - STORM SEW CL A 2, 15" @ 1.00%
TBF = 13.1 CU YD

60 39' - STORM SEW WM REQ 12 @ 1.00%
TBF = 24.1 CU YD

60A 97' - STORM SEW WM REQ 12 @ 1.00%
TBF = 17.1 CU YD

61 3' - STORM SEW CL A 1, 15" @ 1.00%
TBF = 0.7 CU YD

62 3' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0.7 CU YD

63 4' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.4 CU YD

64 3' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0.6 CU YD

65 1' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0.3 CU YD

66 5' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 3.4 CU YD

66A 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

67 4' - STORM SEW WM REQ 12 @ 2.00%
TBF = 0.6 CU YD

79 50' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 8.2 CU YD

80 294' - STORM SEW CL A 2, 34" @ 0.08%
TBF = 143.5 CU YD

81 50' - STORM SEW CL A 2, 54" @ 0.16%
TBF = 0.0 CU YD

82 15' - STORM SEW CL A 2, 42" @ 0.27%
TBF = 0.0 CU YD

83 10' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0.0 CU YD

302 32' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.7 CU YD

303 31' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.7 CU YD

305 30' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.7 CU YD

306 45' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 1.0 CU YD

307 76' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 1.6 CU YD

NOTES:

- STATIONS AND OFFSETS ARE TO THE CENTER OF THE STRUCTURE.
- RIM ELEVATIONS FOR CURB STRUCTURES ARE AT THE EDGE OF PAVEMENT.

APPENDIX A REV. 4/11/2013 C18

FILE NAME = ...2473.0&C12.dgn	USER NAME = Sae	DESIGNED - BAS DRAWN - BAS	REVISED - 4/11/2013 A	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN	P.A.L. R.T.L. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS NO. 167	SHEET NO. 51	CONTRACT NO. 63743
SCALE:	SHEET NO. 12 OF 12 SHEETS	STA.	TC STA.	FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT XXX-----					