

- [122] STA. 22+50, 18.0' RT INLETS TA 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 = 869.09 (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
- [128A] 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
- [128B] 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 = 867.16 (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 = 870.68 (E) INV = 870.48 (W)
- [148] STA. 37+00, 21.3' LT CB TA 4 DIA T24F&G RIM = 877.05 INV = 872.88 (N)
- [149] STA. 37+00, 40.0' LT MAN TA 5 DIA TIF CL RIM = 877.50 INV = 872.74 (S) INV = 871.24 (E) 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 = 880.39 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 = 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))
- [179] STA. 114+34, 51.0' LT INLETS TA T24F&G RIM = 889.75 INV = 885.60 (S)
- [180] STA. 116+80, 60.0' LT MAN TA 6 DIA TIF CL RIM = 889.15 INV = 877.16 (S) INV = 876.66 (N)
- [181] STA. 117+35, 60.0' LT MAN TA 7D TIF CL R-P RIM = 888.80 INV = 876.58 (N) INV = 876.58 (S) 32" ORIFICE 10-YEAR H.W.E. = 881.64
- [182] STA. 119+00, 85.0' LT PRC FLAR END SEC 12 GRATING-C FL END S 12 INV = 878.53 (W)
- [184] STA. 21+38, 44.6' RT MAN TA 4 DIA TIF CL RIM = 870.00 INV = 864.39 (N) INV = 864.39 (S)
- [187] STA. 22+26, 58.5' RT PRC FLAR END SEC 24 GRATING-C FL END S 24 INV = 864.50 (NE)
- [A4] 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)
- [B1] STA. 42+63, 105.2' RT EX MAN-HOLE EX RIM = 881.73 INV = 876.60 EX (E) INV = 876.60 EX (S) INV = 876.50 EX (NW)
- [B2] 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)
- [B3] 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)
- [B4] 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)
- [B5] 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)
- [B6] 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 = 872.40 (SE)
- [B7] STA. 36+12, 20.5' 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)
- [B9] STA. 34+32, 102.1' RT EX FLAR END SEC 36 INV = 868.84
- [B15] STA. 117+56, 56.2' LT MAN RECONST EX RIM = 887.44 PR RIM = 889.85 INV = 876.13 EX (N) INV = 876.54 (S) INV = 875.10 EX (E)
- [B16] STA. 119+01, 67.7' LT INL RECON NEW T1 CL EX RIM = 879.16 PR RIM = 884.35 INV = 878.43 (W) INV = 876.57 EX (E)
- [B17] 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)
- [S7] STA. 31+86, 38.0' LT SAN MAN ADJUST EX RIM = 876.35 PR RIM = 876.40 INV = 864.70 EX (E) INV = 864.40 EX (W)
- [S8] 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)
- [S9] 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)
- [S10] 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)
- [S11] 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 = 5.9 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 = 5.9 CU YD
- (42) 23' - STORM SEW CL A 2, 12" @ 1.00% TBF = 10.6 CU YD
- (43) 178' - 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) 92' - 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) 99' - 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, 54" @ 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:

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

FILE NAME = ...2473.D&U.12.dgn	USER NAME = bas	DESIGNED - BAS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN	F.A.J. R.T.E. 4068	SECTION 07-0031-00-PV	COUNTY McHENRY	TOTAL SHEETS 167	SHEET NO. 51
	PLOT SCALE = 20.0000' / 1" =	DRAWN - BAS	REVISED -							
	PLOT DATE = 2/22/2013	CHECKED - GAB	REVISED -							
		DATE = 10/22/12	REVISED -		SCALE:	SHEET NO. 12 OF 12 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT XXX