

J.F. Sabourin and Associates Inc.
 WATER RESOURCES AND ENVIRONMENTAL CONSULTANTS
 GATINEAU (819) 243-6858
 OTTAWA (613) 836-3884

CLIENT :

DSEL
 david schaeffer engineering ltd
 120 IBER ROAD, UNIT 103
 STITTSVILLE, ONTARIO, K2S 1E9
 (613) 836-0856

LEGEND:

- LIMITS OF SUBDIVISION
- Inlet Control Device (ICD) Type :
 ◉ Tempest Type A

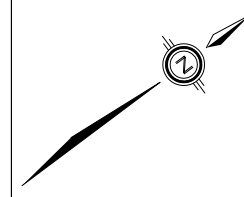
PROJECT :
 BRONTE GREEN SUBDIVISION

SCALE:
 0 50 100 150 200 250m

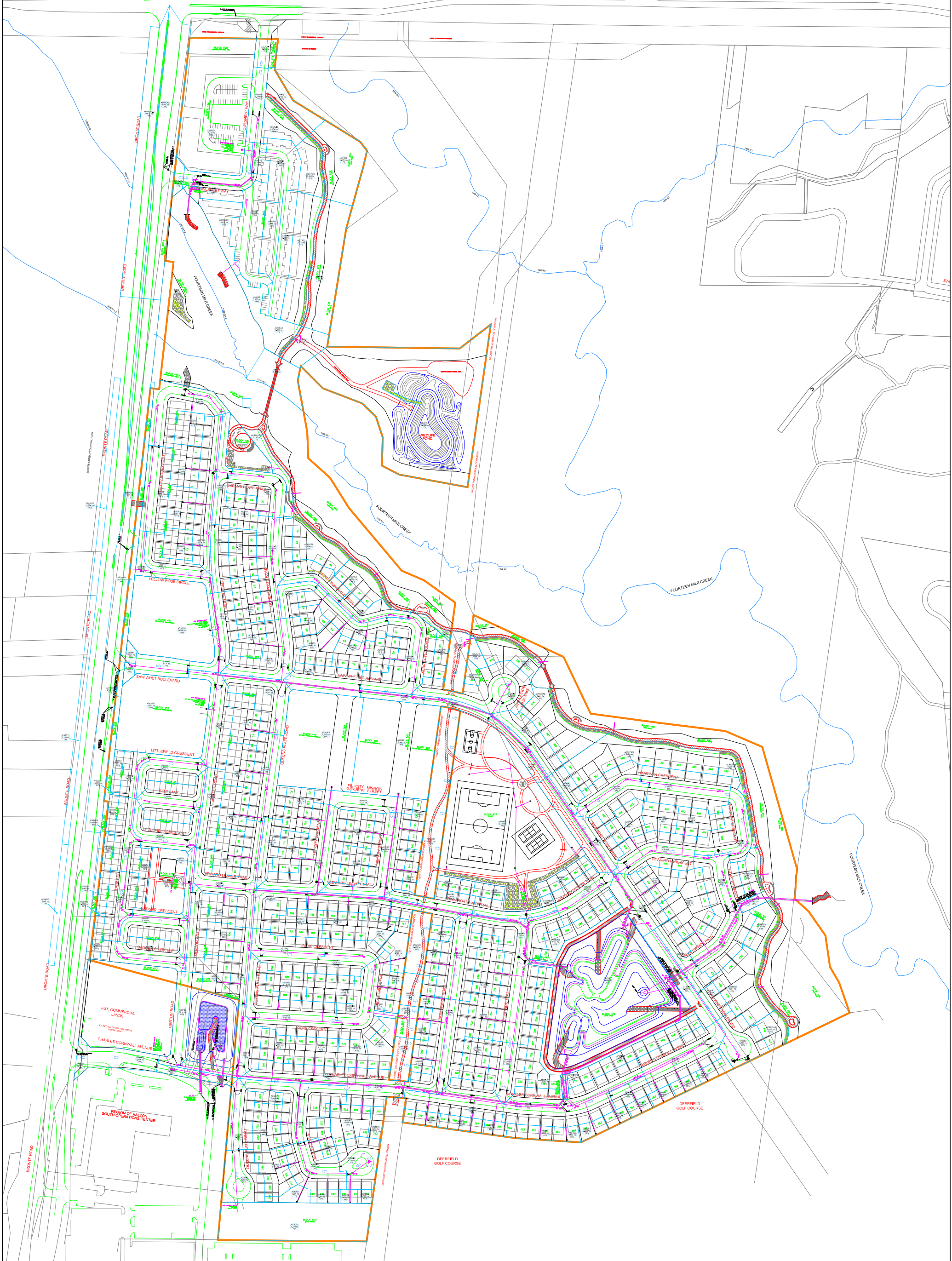
TITLE :
 PROPOSED MINOR SYSTEM

FIGURE 2

| No. | BY | DATE | DESCRIPTION | BY |
|-----|----|------|-------------|----|
| | | | | |



| | |
|------------|-------------|
| DESIGNED : | |
| DRAWN : | PW |
| VERIFIED : | LP |
| APPROVED : | LP |
| DATE | PROJECT No. |
| Jun/19 | 1051-12 |



J.F. Sabourin and Associates Inc.
 WATER RESOURCES AND ENVIRONMENTAL CONSULTANTS
 GATINEAU (819) 243-6858
 OTTAWA (613) 836-3884

PROJECT:
 BRONTE GREEN SUBDIVISION

TITLE:
 PROPOSED MAJOR SYSTEM

FIGURE 3

CLIENT:
DSEL
 david schaeffer engineering ltd
 120 IBER ROAD, UNIT 103
 STITTSVILLE, ONTARIO, K2S 1E9
 (613) 836-0856

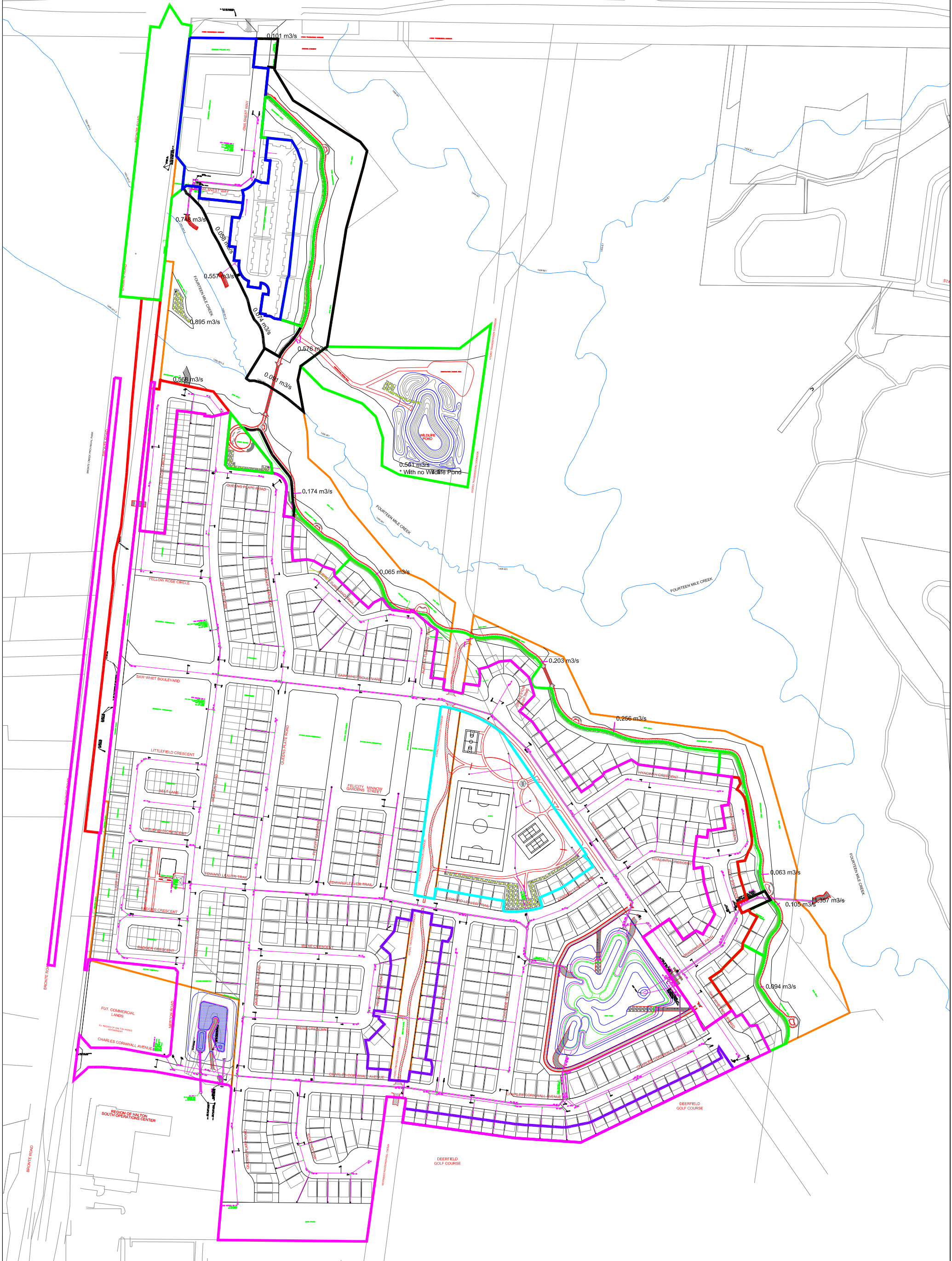
SCALE:
 0 50 100 150 200 250m


| No. | BY | DATE | DESCRIPTION | BY |
|-----|----|------|-------------|----|
| | | | | |

LEGEND:

- LIMITS OF SUBDIVISION
- MAJOR SYSTEM SUBCATCHMENT BOUNDARY TO LOW POINTS AND OTHER AREAS
- ⇨ MAJOR SYSTEM FLOW DIRECTION
- ↻ FIRST DIRECTION OF EXCESS MAJOR SYSTEM FLOW AT LOW POINT
- A097NE SUB-CATCHMENT ID
- 0.593 ha SUB-CATCHMENT AREA
- 79% TOTAL IMPERVIOUSNESS

| | |
|------------|-------------|
| DESIGNED : | |
| DRAWN : | PW |
| VERIFIED : | LP |
| APPROVED : | LP |
| DATE | PROJECT No. |
| Jun/19 | 1051-12 |




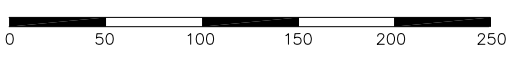

J.F. Sabourin and Associates Inc.
 WATER RESOURCES AND ENVIRONMENTAL CONSULTANTS
 GATINEAU (819) 243-6858
 OTTAWA (613) 836-3884

PROJECT:
 BRONTE GREEN SUBDIVISION










TITLE:
 SIMPLIFIED DRAINAGE PLAN

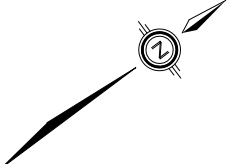
FIGURE 4

CLIENT:

 david schaeffer engineering ltd
 120 IBER ROAD, UNIT 103
 STITTSVILLE, ONTARIO, K2S 1E9
 (613) 836-0856

SCALE:


| No. | BY | DATE | DESCRIPTION | BY |
|-----|----|------|-------------|----|
| | | | | |

- LEGEND:**
-  LIMITS OF SUBDIVISION
 -  MAJOR AND MINOR SYSTEM FLOWS TO POND
 -  MINOR SYSTEM FLOWS TO POND, MAJOR FLOWS TO CREEK
 -  DRAINAGE TO OIL-AND-GRIT SEPARATOR AND BIOSWALE
 -  DRAINAGE TO CREEK VIA LID MEASURE
 -  DIRECT DRAINAGE TO CREEK
 -  DRAINAGE TO POND VIA LID MEASURE
 -  DRAINAGE TO CREEK VIA CLEAN WATER PIPE
 -  0 m³/s
- 100-YEAR FLOW AT OUTLET TO CREEK
 (AT STORM OUTFALL, CULVERT, OR MAJOR SYSTEM ROUTE)



| | |
|------------|-------------|
| DESIGNED : | |
| DRAWN : | PW |
| VERIFIED : | LP |
| APPROVED : | LP |
| DATE | PROJECT No. |
| Jun/19 | 1051-12 |

APPENDIX

A

Rational Method Design Sheets

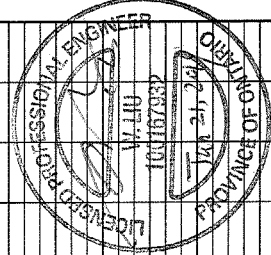
(as per DSEL)

JFSA

Water Resources and
Environmental Consultants



| LOCATION | | | CONTRIBUTING AREA | | | FLOW | | | SEWER DESIGN | | | | | | | | | | | |
|---------------------|--------------|------------|-------------------|------------------------|-------------|-----------------|-------------------------------------|--------------|--------------|-----------|---------------|--------------------------|--------------------------|----------------------------|-----------------------|--------------------------|--------------------------|--------------------|---------------------------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) | |
| STREET | FROM MANHOLE | TO MANHOLE | AREA "A" (ha) | STORM CO-EFFICIENT "C" | SECTION AXC | ACCUMULATED AXC | 5 YR RATIONAL INTENSITY "I" (mm/hr) | FLOW Q (L/s) | LENGTH (m) | SLOPE (%) | DIAMETER (mm) | FULL FLOW CAPACITY (L/s) | FULL FLOW VELOCITY (m/s) | TIME OF FLOW IN PIPE (min) | CONCENTRATION N (min) | FALL IN PIPE SECTION (m) | MANHOLE INLET INVERT (m) | MANHOLE LOSSES (m) | MANHOLE OUTLET INVERT (m) | |
| OWLSNEST WAY | | | | | | | | | | | | | | | | | | | | |
| | | | 0.02 | 0.80 | 0.016 | 0.016 | 114.21 | 68 | 38.0 | 0.40 | 375 | 111 | 1.00 | 0.63 | 10.00 | | | | | |
| | 200 | 201 | 0.22 | 0.80 | 0.198 | 0.214 | 114.21 | 292 | 13.5 | 0.20 | 375 | 376 | 1.05 | 0.21 | 10.63 | | | | | |
| | Control MH 7 | 201 | 1.15 | 0.80 | 0.920 | 0.920 | 114.21 | 292 | 13.5 | 0.20 | 375 | 376 | 1.05 | 0.21 | 10.21 | | | | | |
| | | | 0.03 | 0.80 | 0.024 | 1.158 | 110.51 | 369 | 30.5 | 0.20 | 750 | 498 | 1.13 | 0.45 | 11.08 | | | | | |
| | 201 | 202 | 0.05 | 0.80 | 0.045 | 1.203 | 110.51 | 369 | 30.5 | 0.20 | 750 | 498 | 1.13 | 0.45 | 11.30 | | | | | |
| | 202 | 203 | 0.02 | 0.80 | 0.018 | 1.221 | 108.01 | 366 | 14.5 | 0.20 | 750 | 488 | 1.13 | 0.21 | 11.30 | | | | | |
| | 203 | 204 | 0.08 | 0.80 | 0.084 | 1.285 | 108.01 | 366 | 14.5 | 0.20 | 750 | 488 | 1.13 | 0.21 | 11.30 | | | | | |
| | 204 | 205 | 0.15 | 0.80 | 0.135 | 1.420 | 106.87 | 422 | 51.5 | 0.20 | 750 | 488 | 1.13 | 0.76 | 12.06 | | | | | |
| | | | | | | 1.420 | 103.01 | 408 | 51.5 | | | | | | | | | | | |
| | | | | | | 1.420 | 103.01 | 408 | 51.5 | | | | | | | | | | | |
| | | | | | | 1.485 | 103.01 | 734 | 9.0 | 1.50 | 975 | 2745 | 3.68 | 0.04 | 12.10 | | | | | |
| | | | 0.10 | 0.75 | 0.075 | 1.485 | 103.01 | 734 | 9.0 | 1.50 | 975 | 2745 | 3.68 | 0.04 | 12.10 | | | | | |
| | 204 | 205 | | | 0.000 | 1.485 | 103.01 | 734 | 9.0 | 1.50 | 975 | 2745 | 3.68 | 0.04 | 12.10 | | | | | |
| | 205 | | | | 0.000 | 1.485 | 103.01 | 734 | 9.0 | 1.50 | 975 | 2745 | 3.68 | 0.04 | 12.10 | | | | | |
| | | | | | | 1.485 | 102.81 | 733 | 30.5 | 0.20 | 975 | 1002 | 1.34 | 0.38 | 12.48 | | | | | |
| | | | | | | 1.485 | 102.81 | 733 | 30.5 | 0.20 | 975 | 1002 | 1.34 | 0.38 | 12.48 | | | | | |
| | | | | | | 0.000 | 114.21 | 98 | 12.5 | 0.50 | 375 | 124 | 1.12 | 0.19 | 10.19 | | | | | |
| | | | | | | 0.308 | 114.21 | 98 | 12.5 | 0.50 | 375 | 124 | 1.12 | 0.19 | 10.19 | | | | | |
| | | | | | | 0.308 | 114.21 | 98 | 12.5 | 0.50 | 375 | 124 | 1.12 | 0.19 | 10.19 | | | | | |
| | | | | | | 0.180 | 114.21 | 63 | 87.5 | 0.35 | 375 | 104 | 0.84 | 1.55 | 10.00 | | | | | |
| | | | | | | 0.198 | 114.21 | 63 | 87.5 | 0.35 | 375 | 104 | 0.84 | 1.55 | 10.00 | | | | | |
| | | | | | | 0.198 | 105.54 | 118 | 105.0 | 0.35 | 450 | 169 | 1.06 | 1.57 | 13.12 | | | | | |
| | | | | | | 0.308 | 107.20 | 282 | 105.5 | 0.80 | 525 | 333 | 1.54 | 1.14 | 12.38 | | | | | |
| | | | | | | 0.308 | 107.20 | 282 | 105.5 | 0.80 | 525 | 333 | 1.54 | 1.14 | 12.38 | | | | | |
| | | | | | | 0.088 | 107.49 | 299 | 35.0 | 0.60 | 525 | 333 | 1.54 | 0.38 | 12.76 | | | | | |
| | | | | | | 0.088 | 107.49 | 299 | 35.0 | 0.60 | 525 | 333 | 1.54 | 0.38 | 12.76 | | | | | |
| | | | | | | 0.152 | 114.21 | 127 | 78.0 | 0.50 | 450 | 202 | 1.27 | 1.04 | 11.04 | | | | | |
| | | | | | | 0.359 | 114.21 | 127 | 78.0 | 0.50 | 450 | 202 | 1.27 | 1.04 | 11.04 | | | | | |
| | | | | | | 0.321 | 108.24 | 268 | 85.5 | 0.70 | 525 | 360 | 1.68 | 0.98 | 11.80 | | | | | |
| | | | | | | 0.358 | 108.24 | 268 | 85.5 | 0.70 | 525 | 360 | 1.68 | 0.98 | 11.80 | | | | | |
| | | | | | | 0.046 | 103.51 | 281 | 30.0 | 0.70 | 525 | 360 | 1.68 | 0.30 | 12.20 | | | | | |
| | | | | | | 0.046 | 103.51 | 281 | 30.0 | 0.70 | 525 | 360 | 1.68 | 0.30 | 12.20 | | | | | |
| | | | | | | 0.046 | 103.51 | 281 | 30.0 | 0.70 | 525 | 360 | 1.68 | 0.30 | 12.20 | | | | | |
| | | | | | | 0.046 | 103.51 | 281 | 30.0 | 0.70 | 525 | 360 | 1.68 | 0.30 | 12.20 | | | | | |
| | | | | | | 0.046 | 114.21 | 74 | 68.0 | 0.60 | 375 | 136 | 1.23 | 0.92 | 10.92 | | | | | |
| | | | | | | 0.188 | 114.21 | 74 | 68.0 | 0.60 | 375 | 136 | 1.23 | 0.92 | 10.92 | | | | | |
| | | | | | | 0.234 | 114.21 | 74 | 68.0 | 0.60 | 375 | 136 | 1.23 | 0.92 | 10.92 | | | | | |
| | | | | | | 0.234 | 114.21 | 74 | 68.0 | 0.60 | 375 | 136 | 1.23 | 0.92 | 10.92 | | | | | |



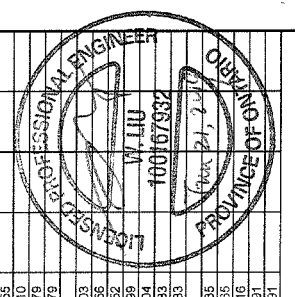
TOWN OF OAKVILLE
 STORM SEWER DESIGN
 SHEET 1 OF 8

DESIGNED BY: K.M.
 CHECKED BY: W.L.
 DATE: JUNE, 2019

PROJECT: Bronie Green
 PROJECT NO: 12-501
 CONSULTANT: DAVID SCHAEFFER ENGINEERING LTD.

NOTES:
 Q = 2.76ACI L/s
 C = Runoff Co-efficient:
 Park 0.25
 Single & Semi-detached 0.50
 Multiple, Institutional, Industrial 0.75 & Commercial 0.90 or Detailed Design
 Minimum 10 min time of concentration.
 A = Area (hectares)
 n = 0.013

| LOCATION | | | CONTRIBUTING AREA | | | | FLOW | | | | SEWER DESIGN | | | | | | | | | |
|--|--------------|-------------|-------------------|-------------------|-------------|-----------------|---------------------------------|--------------|------------|-----------|---------------|--------------------------|--------------------------|----------------------------|-------------------------------|--------------------------|--------------------------|--------------------|---------------------------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) | |
| STREET | FROM MANHOLE | TO MANHOLE | AREA "A" (ha) | STORM COEFFICIENT | SECTION AXC | ACCUMULATED AXC | 5 YR RATIONAL INTENSITY (mm/hr) | FLOW Q (L/s) | LENGTH (m) | SLOPE (%) | DIAMETER (mm) | FULL FLOW CAPACITY (L/s) | FULL FLOW VELOCITY (m/s) | TIME OF FLOW IN PIPE (min) | TIME OF CONCENTRATION N (min) | FALL IN PIPE SECTION (m) | MANHOLE INLET INVERT (m) | MANHOLE LOSSES (m) | MANHOLE OUTLET INVERT (m) | |
| Contribution From IRENE CRESCENT, Pipe 72 - 77 | | | | | | | | | | | | | | | | | | | | |
| | | | 0.07 | 0.76 | 0.063 | 0.332 | | | | | | | | | | | | | | |
| | | | 0.06 | 0.65 | 0.039 | 0.389 | | | | | | | | | | | | | | |
| | | | 0.04 | 0.58 | 0.030 | 0.454 | | | | | | | | | | | | | | |
| | | 77 | 0.31 | 0.65 | 0.202 | 0.656 | 104.82 | 191 | 76.0 | 0.40 | 525 | 272 | 1.26 | 1.01 | 12.70 | | | | | |
| Contribution From IRENE CRESCENT, Pipe 75-78 | | | | | | | | | | | | | | | | | | | | |
| | | | 0.09 | 0.76 | 0.068 | 0.764 | | | | | | | | | | | | | | |
| | | | 0.16 | 0.65 | 0.104 | 0.868 | | | | | | | | | | | | | | |
| | | 78 | 0.17 | 0.65 | 0.111 | 1.634 | 99.99 | 454 | 67.5 | 0.40 | 750 | 704 | 1.59 | 0.71 | 11.41 | | | | | |
| To CHARLES CORNWALL AVENUE, Pipe 92 - 93 | | | | | | | | | | | | | | | | | | | | |
| | | | 0.73 | 0.75 | 0.548 | 0.548 | | | | | | | | | | | | | | |
| | | 79 | 0.32 | 0.65 | 0.208 | 0.756 | 114.21 | 240 | 66.5 | 0.50 | 525 | 304 | 1.40 | 1.03 | 11.03 | | | | | |
| | | 80 | 0.14 | 0.65 | 0.091 | 0.847 | 106.31 | 255 | 59.0 | 0.50 | 525 | 304 | 1.40 | 0.70 | 11.73 | | | | | |
| To CHARLES CORNWALL AVENUE, Pipe 92 - 93 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0.847 | | | | | | | | | | | | | | |
| MERTON ROAD | | | | | | | | | | | | | | | | | | | | |
| | | | 0.06 | 0.65 | 0.039 | 0.039 | | | | | | | | | | | | | | |
| | | | 0.06 | 0.76 | 0.061 | 0.100 | | | | | | | | | | | | | | |
| | | 48 | 0.13 | 0.76 | 0.069 | 0.159 | 114.21 | 63 | 19.0 | 0.40 | 375 | 111 | 1.00 | 0.32 | 10.32 | | | | | |
| | | 4 | 0.04 | 0.65 | 0.026 | 0.225 | 112.33 | 70 | 21.0 | 0.40 | 375 | 111 | 1.00 | 0.35 | 10.66 | | | | | |
| | | 5 | 0.19 | 0.65 | 0.124 | 0.348 | 110.32 | 107 | 68.0 | 0.40 | 450 | 180 | 1.13 | 1.00 | 11.66 | | | | | |
| Contribution From QUEENS PLATE ROAD, Pipe 6 - 7 | | | | | | | | | | | | | | | | | | | | |
| | | | 0.15 | 0.76 | 0.114 | 0.547 | | | | | | | | | | | | | | |
| | | 7 | 0.41 | 0.65 | 0.267 | 0.813 | 104.97 | 237 | 72.0 | 0.40 | 600 | 388 | 1.37 | 0.87 | 12.54 | | | | | |
| | | 8 | 0.06 | 0.76 | 0.046 | 0.859 | | | | | | | | | | | | | | |
| | | 9 | 0.24 | 0.65 | 0.156 | 1.015 | 100.74 | 284 | 49.0 | 0.40 | 675 | 532 | 1.49 | 0.55 | 13.09 | | | | | |
| | | 10 | 0.17 | 0.65 | 0.111 | 0.794 | | | | | | | | | | | | | | |
| Contribution From YELLOW ROSE CIRCLE, Pipe 3 - 9 | | | | | | | | | | | | | | | | | | | | |
| | | 9 | 0.10 | 0.65 | 0.065 | 0.191 | 93.46 | 498 | 59.0 | 0.40 | 750 | 704 | 1.59 | 0.62 | 14.85 | | | | | |
| | | 10 | 0.80 | 0.90 | 0.720 | 1.421 | 114.21 | 228 | 6.5 | 0.50 | 525 | 304 | 1.40 | 0.10 | 10.10 | | | | | |
| | | Control 1 | 0.02 | 0.76 | 0.015 | 2.654 | | | | | | | | | | | | | | |
| | | 10 | 0.06 | 0.65 | 0.039 | 2.693 | 91.12 | 692 | 21.0 | 0.40 | 825 | 908 | 1.70 | 0.21 | 15.08 | | | | | |
| | | 11 | 0.04 | 0.76 | 0.030 | 2.724 | 90.36 | 684 | 31.0 | 0.40 | 825 | 908 | 1.70 | 0.30 | 15.36 | | | | | |
| To SAW WHET BOULEVARD, Pipe 110 - 111 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 2.724 | | | | | | | | | | | | | | |
| | | 53 | 0.18 | 0.76 | 0.137 | 0.137 | 114.21 | 43 | 63.5 | 2.00 | 300 | 137 | 1.93 | 0.55 | 10.55 | | | | | |
| | | Control MH2 | 0.87 | 0.90 | 0.783 | 0.783 | 114.21 | 248 | 8.5 | 0.50 | 525 | 304 | 1.40 | 0.10 | 10.10 | | | | | |
| | | 52 | 0.09 | 0.76 | 0.068 | 0.988 | 110.96 | 305 | 40.0 | 1.80 | 600 | 777 | 2.75 | 0.24 | 10.79 | | | | | |
| To SAW WHET BOULEVARD, Pipe 110 - 111 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0.988 | | | | | | | | | | | | | | |
| Contribution From LITTLEFIELD CRESCENT, Pipe 40 - 53 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0.157 | | | | | | | | | | | | | | |
| | | 53 | 0.14 | 0.76 | 0.106 | 0.274 | 108.31 | 82 | 48.0 | 0.90 | 375 | 166 | 1.51 | 0.63 | 11.03 | | | | | |
| | | 54 | 0.13 | 0.76 | 0.099 | 0.382 | 105.51 | 165 | 44.0 | 0.90 | 450 | 270 | 1.70 | 0.43 | 10.52 | | | | | |
| | | 55 | 0.13 | 0.76 | 0.099 | 0.319 | 103.10 | 274 | 43.0 | 1.50 | 525 | 527 | 2.43 | 0.29 | 12.04 | | | | | |
| Contribution From LITTLEFIELD CRESCENT, Pipe 43 - 55 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0.358 | | | | | | | | | | | | | | |
| To EDWARD LEAVER TRAIL, Pipe 55 - 60 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0.175 | | | | | | | | | | | | | | |
| | | 50 | 0.15 | 0.76 | 0.114 | 0.288 | 103.28 | 88 | 48.5 | 0.40 | 375 | 111 | 1.00 | 0.81 | 10.85 | | | | | |
| | | 51 | 0.12 | 0.76 | 0.091 | 0.351 | 105.02 | 239 | 42.0 | 2.25 | 450 | 428 | 2.69 | 0.26 | 11.16 | | | | | |
| To EDWARD LEAVER TRAIL, Pipe 55 - 60 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0.351 | | | | | | | | | | | | | | |



PROJECT: Bromo Green

PROJECT NO: 12-501

DESIGNED BY: K.M.

CHECKED BY: W.L.

DATE: JUNE, 2019

CONSULTANT: DAVID SCHAEFFER ENGINEERING LTD.

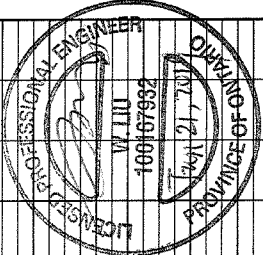
TOWN OF OAKVILLE

STORM SEWER DESIGN

SHEET 2 OF 8

NOTES:
 Q = 2.78ACI L/s
 C = Runoff Co-efficient
 I = Intensity (mm/hr)
 A = Area (hectares)
 n = 0.013
 Minimum 10 min time of concentration.
 Park 0.25
 Single & Semi-detached 0.60
 Multiple, Institutional, Industrial 0.75 & Commercial 0.90 or Detailed Design.

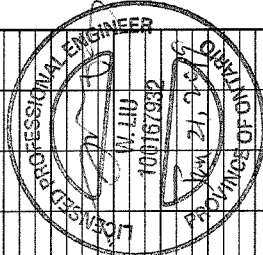
| STREET | LOCATION | | | CONTRIBUTING AREA | | | | FLOW | | SEWER DESIGN | | | | | | | | | |
|--|--------------|------------|---------------|-----------------------|-------------|-----------------|-------------------------------------|--------------|------------|--------------|---------------|--------------------------|--------------------------|----------------------------|-----------------------------|--------------------------|--------------------------|--------------------|---------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) |
| | FROM MANHOLE | TO MANHOLE | AREA "A" (ha) | STORM COEFFICIENT (%) | SECTION AXC | ACCUMULATED AXC | 5 YR RATIONAL INTENSITY "I" (mm/hr) | FLOW Q (L/s) | LENGTH (m) | SLOPE (%) | DIAMETER (mm) | FULL FLOW CAPACITY (L/s) | FULL FLOW VELOCITY (m/s) | TIME OF FLOW IN PIPE (min) | TIME OF CONCENTRATION (min) | FALL IN PIPE SECTION (m) | MANHOLE INLET INVERT (m) | MANHOLE LOSSES (m) | MANHOLE OUTLET INVERT (m) |
| | FUT 100 | FUT 101 | 0.05 | 0.76 | 0.038 | 0.038 | 114.21 | 48 | 64.0 | 3.50 | 300 | 181 | 2.66 | 0.42 | 10.90 | | | | |
| | | FUT 101 | 0.03 | 0.76 | 0.068 | 0.152 | 114.21 | 66 | 36.0 | 0.70 | 300 | 81 | 1.14 | 0.92 | 10.92 | | | | |
| To CHARLES CORNWALL AVENUE, Pipe 90 - 91 | | | | | | | | | | | | | | | | | | | |
| AUBREY TURQUAND TRAIL | | 14 | 0.62 | 0.65 | 0.403 | 0.403 | 114.21 | 128 | 70.5 | 0.40 | 450 | 180 | 1.13 | 1.04 | 10.00 | | | | |
| | | 16 | 0.29 | 0.65 | 0.189 | 0.592 | 106.26 | 178 | 33.5 | 0.40 | 525 | 272 | 1.26 | 0.44 | 11.48 | | | | |
| | | 17 | 0.06 | 0.65 | 0.039 | 0.631 | 105.91 | 185 | 28.0 | 0.40 | 525 | 272 | 1.26 | 0.44 | 11.48 | | | | |
| | | 18 | 0.04 | 0.65 | 0.028 | 0.657 | 104.02 | 190 | 15.0 | 0.40 | 525 | 272 | 1.26 | 0.44 | 11.48 | | | | |
| To SAW WHET BOULEVARD, Pipe 113 - 114 | | | | | | | | | | | | | | | | | | | |
| HYACINTH CRESCENT | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 117 - 118 | | 21 | 0.47 | 0.65 | 0.306 | 0.306 | 114.21 | 97 | 105.0 | 0.60 | 375 | 136 | 1.23 | 1.42 | 10.00 | | | | |
| | | 22 | 0.24 | 0.65 | 0.156 | 0.462 | 106.20 | 136 | 73.0 | 0.60 | 450 | 221 | 1.38 | 0.90 | 12.30 | | | | |
| | | 23 | 0.16 | 0.65 | 0.104 | 0.404 | 114.21 | 33 | 37.0 | 0.35 | 300 | 57 | 0.81 | 0.76 | 10.00 | | | | |
| | | 24 | 0.02 | 0.65 | 0.013 | 0.417 | 108.77 | 36 | 15.0 | 0.35 | 300 | 57 | 0.81 | 0.76 | 10.00 | | | | |
| MEADOWSIDE PATH | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 108 - 107 | | | | | | | | | | | | | | | | | | | |
| SAW WHET BOULEVARD | | 28 | 0.27 | 0.65 | 0.176 | 0.176 | 114.21 | 56 | 56.0 | 0.20 | 525 | 192 | 0.68 | 1.05 | 11.05 | | | | |
| | | 29 | 0.15 | 0.65 | 0.098 | 0.273 | 108.18 | 82 | 36.0 | 0.20 | 525 | 192 | 0.68 | 1.05 | 11.05 | | | | |
| | | 30 | 0.08 | 0.65 | 0.053 | 0.326 | 104.66 | 178 | 53.5 | 0.20 | 600 | 275 | 0.97 | 0.92 | 12.84 | | | | |
| | | 109 | 0.23 | 0.76 | 0.173 | 0.500 | 114.21 | 232 | 100.0 | 1.20 | 525 | 471 | 2.16 | 0.77 | 10.77 | | | | |
| To SAW WHET BOULEVARD, Pipe 115 - 116 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 112 - 111 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 110 - 109 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 108 - 107 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 106 - 105 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 104 - 103 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 102 - 101 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 100 - 99 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 98 - 97 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 96 - 95 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 94 - 93 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 92 - 91 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 90 - 89 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 88 - 87 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 86 - 85 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 84 - 83 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 82 - 81 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 80 - 79 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 78 - 77 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 76 - 75 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 74 - 73 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 72 - 71 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 70 - 69 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 68 - 67 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 66 - 65 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 64 - 63 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 62 - 61 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 60 - 59 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 58 - 57 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 56 - 55 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 54 - 53 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 52 - 51 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 50 - 49 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 48 - 47 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 46 - 45 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 44 - 43 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 42 - 41 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 40 - 39 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 38 - 37 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 36 - 35 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 34 - 33 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 32 - 31 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 30 - 29 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 28 - 27 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 26 - 25 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 24 - 23 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 22 - 21 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 20 - 19 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 18 - 17 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 16 - 15 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 14 - 13 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 12 - 11 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 10 - 9 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 8 - 7 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 6 - 5 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 4 - 3 | | | | | | | | | | | | | | | | | | | |
| To SAW WHET BOULEVARD, Pipe 2 - 1 | | | | | | | | | | | | | | | | | | | |



TOWN OF OAKVILLE
 PROJECT: Bronie Green
 PROJECT NO: 12-801
 DESIGNED BY: K.M. W.L.
 CHECKED BY: DAVID SCHAEFFER
 DATE: JUNE, 2019
 CONSULTANT: ENGINEERING LTD.

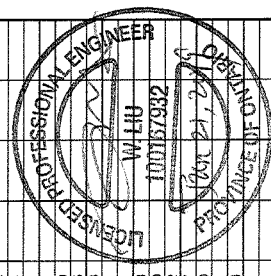
NOTES:
 Q = 2.78ACI Us
 C = Runoff Co-efficient
 I = Intensity (mm/hr)
 A = Area (hectares)
 n = 0.013
 Minimum 10 min time of concentration.
 Park 0.25
 Single & Semi-detached 0.50
 Multiple, Institutional, Industrial 0.75 & Commercial 0.90 or Detailed Design

| LOCATION | | | | CONTRIBUTING AREA | | | | FLOW | | | | SEWER DESIGN | | | | | | | |
|----------|--|------------|---------------|-------------------|-------------|-----------------|-------------------------------|--------------|------------|-----------|---------------|--------------------------|--------------------------|----------------------------|-----------------------------|--------------------------|--------------------------|--------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
| STREET | FROM MANHOLE | TO MANHOLE | AREA "A" (ha) | EFFICIENT CO. | SECTION AKC | ACCUMULATED AKC | 5% RATIONAL INTENSITY (mm/hr) | FLOW Q (L/s) | LENGTH (m) | SLOPE (%) | DIAMETER (mm) | FULL FLOW CAPACITY (L/s) | FULL FLOW VELOCITY (m/s) | TIME OF FLOW IN PIPE (min) | TIME OF CONCENTRATION (min) | FALL IN PIPE SECTION (m) | MANHOLE INLET INVERT (m) | MANHOLE LOSSES (m) | MANHOLE OUTLET INVERT (m) |
| | Contribution From HYACINTH CRESCENT, Pipe 22 - 117 | 117 | 0.25 | 0.65 | 0.163 | 0.462 | 77.42 | 1728 | 82.5 | 0.25 | 1350 | 2669 | 1.66 | 0.74 | 20.00 | | | | |
| | Contribution From HYACINTH CRESCENT, Pipe 27 - 118 | 118 | 0.32 | 0.65 | 0.208 | 0.728 | 75.55 | 1662 | 34.0 | 0.30 | 1350 | 2923 | 2.04 | 0.28 | 20.28 | | | | |
| | To BLOCK 476 (SWIM POND), Pipe 119 - 1190 | | 0.22 | 0.65 | 0.143 | 0.871 | 200.90 | 80 | 100YR | | | | | | | | | | |
| | | | 0.22 | 0.65 | 0.143 | 1.047 | 114.21 | 34 | 5YR | | | | | | | | | | |
| | | | 0.22 | 0.65 | 0.143 | 1.047 | 114.21 | 34 | 100-5YR | | | | | | | | | | |
| | Contribution From MEADOWSIDE PATH, Pipe 30 - 106 | 106 | 0.22 | 0.65 | 0.143 | 1.047 | 114.21 | 34 | 100-5YR | | | | | | | | | | |
| | To BLOCK 476 (SWIM POND), Pipe 107 - 108 | | 0.23 | 0.65 | 0.150 | 1.047 | 100.25 | 328 | 71.0 | 0.30 | 675 | 460 | 1.29 | 0.92 | 13.56 | | | | |
| | BADGER CRESCENT | | | | | | | | | | | | | | | | | | |
| | | 46 | 0.04 | 0.76 | 0.030 | 0.030 | 114.21 | 10 | 11.0 | 1.35 | 300 | 112 | 1.59 | 0.12 | 10.12 | | | | |
| | | 45 | 0.19 | 0.76 | 0.144 | 0.175 | 113.52 | 55 | 70.0 | 1.35 | 300 | 112 | 1.59 | 0.73 | 10.85 | | | | |
| | To MERTON ROAD, Pipe 50 - 51 | | | | | 0.175 | | | | | | | | | | | | | |
| | | 46 | 0.10 | 0.76 | 0.076 | 0.076 | 114.21 | 24 | 32.5 | 1.45 | 300 | 116 | 1.65 | 0.33 | 10.33 | | | | |
| | | 47 | 0.01 | 0.76 | 0.008 | 0.008 | 112.25 | 26 | 12.0 | 1.45 | 300 | 116 | 1.65 | 0.12 | 10.45 | | | | |
| | Contribution From LANE 175, Pipe 38 - 48 | 48 | 0.19 | 0.76 | 0.144 | 0.441 | 106.90 | 131 | 68.0 | 1.00 | 375 | 175 | 1.59 | 0.71 | 11.29 | | | | |
| | To MERTON ROAD, Pipe 51 - 53 | | | | | 0.441 | | | | | | | | | | | | | |
| | | 39 | 0.27 | 0.76 | 0.205 | 0.205 | 114.21 | 85 | 76.0 | 0.65 | 300 | 78 | 1.10 | 1.15 | 11.15 | | | | |
| | | 38 | 0.01 | 0.76 | 0.008 | 0.213 | 107.65 | 84 | 9.0 | 0.80 | 300 | 75 | 1.09 | 0.14 | 11.29 | | | | |
| | To BADGER CRESCENT, Pipe 48 - 51 | | | | | 0.213 | | | | | | | | | | | | | |
| | LITTLEFIELD CRESCENT | | | | | | | | | | | | | | | | | | |
| | | 41 | 0.04 | 0.76 | 0.030 | 0.030 | 114.21 | 10 | 11.0 | 0.90 | 300 | 92 | 1.30 | 0.14 | 10.14 | | | | |
| | | 40 | 0.18 | 0.76 | 0.137 | 0.167 | 113.36 | 53 | 69.0 | 0.80 | 300 | 92 | 1.30 | 0.69 | 11.03 | | | | |
| | To MERTON ROAD, Pipe 53 - 54 | | | | | 0.167 | | | | | | | | | | | | | |
| | | 41 | 0.23 | 0.76 | 0.175 | 0.175 | 114.21 | 55 | 76.0 | 0.60 | 300 | 75 | 1.06 | 1.20 | 11.20 | | | | |
| | | 42 | 0.01 | 0.76 | 0.008 | 0.162 | 107.40 | 54 | 11.0 | 0.60 | 300 | 75 | 1.06 | 0.17 | 11.37 | | | | |
| | | 43 | 0.19 | 0.76 | 0.137 | 0.319 | 106.49 | 84 | 67.5 | 1.50 | 300 | 118 | 1.68 | 0.67 | 12.04 | | | | |
| | To MERTON ROAD, Pipe 55 - 55 | | | | | 0.319 | | | | | | | | | | | | | |
| | BELT LANE | | | | | | | | | | | | | | | | | | |
| | | 44 | 0.25 | 0.76 | 0.190 | 0.190 | 114.21 | 60 | 56.5 | 1.30 | 300 | 133 | 1.89 | 0.52 | 10.52 | | | | |
| | To MERTON ROAD, Pipe 54 - 55 | | | | | 0.190 | | | | | | | | | | | | | |
| | MINNOW STREET | | | | | | | | | | | | | | | | | | |
| | | | 0.17 | 0.65 | 0.111 | 0.111 | 200.80 | 62 | 100YR | | | | | | | | | | |
| | | | 0.17 | 0.65 | 0.111 | 0.111 | 114.21 | 35 | 5YR | | | | | | | | | | |
| | | | 0.17 | 0.65 | 0.111 | 0.111 | 114.21 | 27 | 100-5YR | | | | | | | | | | |
| | | | 0.94 | 0.80 | 0.752 | 0.663 | 114.21 | 436 | 120.5 | 0.20 | 750 | 498 | 1.13 | 1.76 | 11.76 | | | | |
| | To EDWARD LEAVER TRAIL, Pipe 62 - 63 | | | | | 1.292 | | | | | | | | | | | | | |
| | | 32 | 0.66 | 0.65 | 0.429 | 1.292 | 114.21 | 436 | 120.5 | 0.20 | 750 | 498 | 1.13 | 1.76 | 11.76 | | | | |
| | | | | | | 1.292 | | | | | | | | | | | | | |



TOWN OF OAKVILLE
 PROJECT NO: 12-801
 CONSULTANT: DAVID SCHAEFFER ENGINEERING LTD.
 DESIGNED BY: K.M.
 CHECKED BY: W.L.
 DATE: JUNE, 2019
 SHEET 4 OF 8

| LOCATION | | | CONTRIBUTING AREA | | | | FLOW | | | SEWER DESIGN | | | | | | | | | |
|---|---|------------|-------------------|------------------------|-------------|-----------------|-------------------------------------|--------------|------------|--------------|---------------|--------------------------|--------------------------|----------------------------|------------------------------------|--------------------------|--------------------|---------------------------|------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
| STREET | FROM MANHOLE | TO MANHOLE | AREA "A" (ha) | STORM CO-EFFICIENT "C" | SECTION A/C | ACCUMULATED A/C | 5 YR RATIONAL INTENSITY "I" (mm/hr) | FLOW Q (l/s) | LENGTH (m) | SLOPE (%) | DIAMETER (mm) | FULL FLOW CAPACITY (l/s) | FULL FLOW VELOCITY (m/s) | TIME OF FLOW IN PIPE (min) | TIME OF FALL IN PIPE SECTION (min) | MANHOLE INLET INVERT (m) | MANHOLE LOSSES (m) | MANHOLE OUTLET INVERT (m) | |
| FELICITY GARDENS | | | | | | | | | | | | | | | | | | | |
| | 34 | 61 | 0.91 | 0.80 | 0.728 | 0.728 | 114.21 | 375 | 122.0 | 0.20 | 750 | 468 | 1.13 | 1.80 | 10.00 | 11.80 | 11.80 | 11.80 | |
| | To EDWARD LEAVER TRAIL, Pipe 61 - 62 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| IRENE CRESCENT | | | | | | | | | | | | | | | | | | | |
| | 75 | 78 | 1.07 | 0.65 | 0.696 | 0.696 | 114.21 | 221 | 130.0 | 0.60 | 525 | 333 | 1.54 | 1.41 | 10.00 | 11.41 | 11.41 | 11.41 | |
| | To QUEENS PLATE ROAD, Pipe 78 - 92 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 72 | 77 | 0.51 | 0.65 | 0.332 | 0.332 | 114.21 | 105 | 130.0 | 0.65 | 375 | 141 | 1.28 | 1.69 | 10.00 | 11.69 | 11.69 | 11.69 | |
| | To QUEENS PLATE ROAD, Pipe 77 - 78 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| IRENE CRESCENT - REAR YARDS (CLEAN WATER PIPE 100 YEAR) | | | | | | | | | | | | | | | | | | | |
| | 500 | 501 | 0.19 | 0.65 | 0.124 | 0.124 | 200.80 | 69 | 54.5 | 0.75 | 300 | 84 | 1.18 | 0.77 | 10.00 | 10.77 | 10.77 | 10.77 | |
| | To BLOCK 495 (Walkway Block), Pipe 501 - 503 | | | | | | | | | | | | | | | | | | |
| BLOCK 495 - Walkway Block (CLEAN WATER PIPE 100 YEAR) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 501 | 5010 | 0.02 | 0.65 | 0.073 | 0.124 | 192.73 | 122 | 57.0 | 1.70 | 375 | 229 | 2.07 | 0.46 | 10.77 | | | | |
| | Contribution From IRENE CRESCENT, Pipe 500 - 501 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 5010 | 503 | 0.14 | 0.65 | 0.091 | 0.124 | 198.22 | 156 | 35.0 | 0.50 | 450 | 202 | 1.27 | 0.43 | 10.77 | | | | |
| | From Hydro Transmission Corridor | | | | | | | | | | | | | | | | | | |
| | 5010 | 503 | 0.08 | 0.40 | 0.032 | 0.032 | 184.16 | 294 | 81.5 | 1.00 | 525 | 430 | 1.99 | 0.66 | 11.66 | | | | |
| | To IRON BRIDGE ROAD, Pipe 503 - 505 | | | | | | | | | | | | | | | | | | |
| IRON BRIDGE ROAD - REAR YARDS (CLEAN WATER PIPE 100 YEAR) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 502 | 503 | 0.24 | 0.40 | 0.066 | 0.066 | 202.80 | 108 | 80.5 | 0.80 | 375 | 157 | 1.42 | 0.94 | 10.00 | | | | |
| | From Hydro Transmission Corridor | | | | | | | | | | | | | | | | | | |
| | 502 | 503 | 0.13 | 0.65 | 0.093 | 0.124 | 184.16 | 294 | 81.5 | 1.00 | 525 | 430 | 1.99 | 0.66 | 11.66 | | | | |
| | Contribution From BLOCK 495, Pipe 5010 - 503 | | | | | | | | | | | | | | | | | | |
| | 503 | 505 | 0.08 | 0.65 | 0.039 | 0.039 | 184.16 | 294 | 81.5 | 1.00 | 525 | 430 | 1.99 | 0.66 | 11.66 | | | | |
| | To CHARLES CORNWALL AVENUE, Pipe 505 - 506 | | | | | | | | | | | | | | | | | | |
| EDWARD LEAVER TRAIL | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 59 | 59 | 0.07 | 0.76 | 0.053 | 0.053 | 114.21 | 58 | 8.5 | 0.50 | 300 | 68 | 0.97 | 0.15 | 10.00 | | | | |
| | From Block 475 (Urban Square), Control MH 3 | | | | | | | | | | | | | | | | | | |
| | 59 | 59 | 0.31 | 0.40 | 0.124 | 0.124 | 114.21 | 58 | 8.5 | 0.50 | 300 | 68 | 0.97 | 0.15 | 10.00 | | | | |
| | Contribution From MERTON ROAD, Pipe 55 - 59 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 59 | 59 | 0.05 | 0.65 | 0.033 | 0.033 | 101.69 | 600 | 72.0 | 2.50 | 600 | 971 | 3.43 | 0.95 | 12.68 | | | | |
| | Contribution From MERTON ROAD, Pipe 51 - 59 | | | | | | | | | | | | | | | | | | |
| | 60 | 60 | 0.18 | 0.76 | 0.137 | 0.137 | 100.06 | 981 | 70.5 | 0.60 | 900 | 1280 | 2.01 | 0.68 | 12.20 | | | | |
| | Contribution From QUEENS PLATE ROAD, Pipe 37 - 60 | | | | | | | | | | | | | | | | | | |
| | 60 | 61 | 0.41 | 0.65 | 0.267 | 0.267 | 100.06 | 981 | 70.5 | 0.60 | 900 | 1280 | 2.01 | 0.68 | 12.20 | | | | |
| | Contribution From QUEENS PLATE ROAD, Pipe 77 - 80 | | | | | | | | | | | | | | | | | | |
| | 61 | 61 | 0.41 | 0.65 | 0.267 | 0.267 | 100.06 | 981 | 70.5 | 0.60 | 900 | 1280 | 2.01 | 0.68 | 12.20 | | | | |
| | Contribution From FELICITY GARDENS, Pipe 34 - 61 | | | | | | | | | | | | | | | | | | |
| | 61 | 62 | 0.50 | 0.65 | 0.325 | 0.325 | 97.47 | 1364 | 76.0 | 0.50 | 1050 | 1831 | 2.23 | 0.57 | 13.84 | | | | |
| | Contribution From FELICITY GARDENS, Pipe 34 - 61 | | | | | | | | | | | | | | | | | | |



NOTES:
 Q = 2.78AC^{0.75} Us
 C = Runoff Co-efficient:
 Park 0.25
 Single & Semi-detached 0.50
 Multiple, Institutional, Industrial 0.75 & Commercial 0.90 or Detailed Design

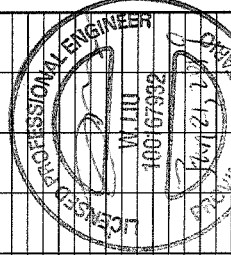
PROJECT: Bronie Green

DESIGNED BY: K.M.
 CHECKED BY: W.L.
 DATE: JUNE, 2019

PROJECT NO: 12-401
 CONSULTANT: DAVID SCHAEFFER ENGINEERING LTD.

TOWN OF OAKVILLE
 STORM SEWER DESIGN
 SHEET 5 OF 8

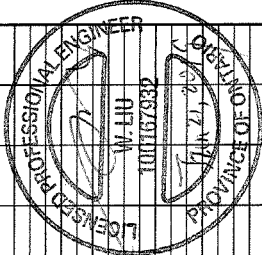
| LOCATION | | | CONTRIBUTING AREA | | | | FLOW | | | SEWER DESIGN | | | | | | | | | |
|---|--------------|------------|-------------------|------------------------|-------------|-----------------|---------------------------------|--------------|------------|--------------|---------------|--------------------------|--------------------------|----------------------------|-----------------------|--------------------------|--------------------------|--------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
| STREET | FROM MANHOLE | TO MANHOLE | AREA "A" (ha) | STORM CO-EFFICIENT "C" | SECTION AXC | ACCUMULATED AXC | 5 YR RATIONAL INTENSITY (mm/hr) | FLOW Q (L/s) | LENGTH (m) | SLOPE (%) | DIAMETER (mm) | FULL FLOW CAPACITY (L/s) | FULL FLOW VELOCITY (m/s) | TIME OF FLOW IN PIPE (min) | CONCENTRATION N (min) | FALL IN PIPE SECTION (m) | MANHOLE INLET INVERT (m) | MANHOLE LOSSES (m) | MANHOLE OUTLET INVERT (m) |
| CHARLES CORNWALL AVENUE | | | | | | | | | | | | | | | | | | | |
| Contribution From MERTON ROAD, Fut. Pipe 101 - 90 | | | | | | | | | | | | | | | | | | | |
| | 90 | 91 | 0.32 | 0.76 | 0.243 | 0.456 | 108.78 | 138 | 37.5 | 1.00 | 375 | 175 | 1.89 | 0.39 | 10.94 | | | | |
| | 91 | 92 | 0.05 | 0.76 | 0.038 | 0.494 | 108.67 | 146 | 32.0 | 3.23 | 375 | 316 | 2.86 | 0.19 | 11.33 | | | | |
| Contribution From QUEENS PLATE ROAD, Pipe 78 - 92 | | | | | | | | | | | | | | | | | | | |
| | 92 | 93 | 0.34 | 0.65 | 0.221 | 0.847 | 96.86 | 660 | 72.0 | 0.25 | 975 | 1121 | 1.50 | 0.80 | 13.41 | | | | |
| Contribution From STAG HOLLOW, Pipe 85 - 93 | | | | | | | | | | | | | | | | | | | |
| | | | 0.23 | 0.65 | 0.150 | 0.981 | 163.68 | 68 | 100YR | | | | | | 14.71 | | | | |
| | | | 0.23 | 0.65 | 0.150 | 0.150 | 93.61 | 39 | 5YR | | | | | | 12.37 | | | | |
| | | | 0.23 | 0.65 | 0.150 | 4.236 | 29 | 100-5YR | | | | | | | | | | | |
| | 93 | 94 | 0.72 | 0.65 | 0.468 | 4.704 | 93.61 | 1279 | 116.0 | 0.35 | 1200 | 2307 | 2.04 | 0.95 | 15.15 | | | | |
| | 94 | 95 | 0.33 | 0.65 | 0.605 | 5.308 | 90.02 | 3363 | 129.0 | 0.35 | 1200 | 2307 | 2.04 | 1.05 | 16.21 | | | | |
| | 95 | 96 | 0.27 | 0.65 | 0.176 | 5.484 | 86.37 | 47.0 | 47.0 | 0.35 | 1200 | 2307 | 2.04 | 0.38 | 16.59 | | | | |
| | 96 | 97 | 0.27 | 0.65 | 0.000 | 5.484 | 85.12 | 4363 | 13.0 | 0.35 | 1200 | 2307 | 2.04 | 0.11 | 16.70 | | | | |
| | 97 | 98 | | | 0.000 | 5.484 | | | | | | | | | | | | | |
| To BLOCK 482 (WALKWAY & SERVICING BLOCK), Pipe 89 - 99 | | | | | | | | | | | | | | | | | | | |
| | 87 | 88 | 0.46 | 0.85 | 0.289 | 0.289 | 114.21 | 95 | 88.0 | 0.25 | 450 | 143 | 0.30 | 1.64 | 10.00 | | | | |
| | 88 | 89 | 0.33 | 0.85 | 0.215 | 0.514 | 105.11 | 150 | 76.0 | 0.20 | 525 | 192 | 0.89 | 1.43 | 11.64 | | | | |
| | 89 | 90 | | | 0.000 | 0.514 | 98.37 | 140 | 12.0 | 0.20 | 525 | 192 | 0.88 | 0.23 | 13.06 | | | | |
| To BLOCK 482 (WALKWAY & SERVICING BLOCK), Pipe 88 - 99 | | | | | | | | | | | | | | | | | | | |
| CHARLES CORNWALL AVENUE - REAR YARDS (CLEAN WATER PIPE 100 YEAR) | | | | | | | | | | | | | | | | | | | |
| | 504 | 505 | 0.06 | 0.85 | 0.039 | 0.039 | 200.80 | 22 | 9.0 | 1.00 | 300 | 97 | 1.37 | 0.11 | 10.00 | | | | |
| Contribution From IRON BRIDGE ROAD, Pipe 503 - 505 | | | | | | | | | | | | | | | | | | | |
| | 505 | 506 | 0.12 | 0.65 | 0.078 | 0.575 | 178.14 | 342 | 90.0 | 0.40 | 675 | 532 | 1.48 | 1.01 | 12.34 | | | | |
| | 506 | 507 | 0.13 | 0.65 | 0.085 | 0.777 | 169.96 | 357 | 53.0 | 0.40 | 675 | 532 | 1.49 | 0.58 | 13.35 | | | | |
| | 507 | 511 | | | 0.000 | 0.777 | 165.54 | 367 | 13.0 | 0.40 | 675 | 532 | 1.49 | 0.15 | 14.03 | | | | |
| To BLOCK 482 (WALKWAY & SERVICING BLOCK), Pipe 511 - 512 | | | | | | | | | | | | | | | | | | | |
| | 508 | 509 | 0.16 | 0.65 | 0.104 | 0.104 | 200.80 | 98 | 72.0 | 0.45 | 300 | 65 | 0.92 | 4.31 | 10.00 | | | | |
| | 509 | 510 | 0.15 | 0.65 | 0.098 | 0.202 | 187.44 | 105 | 75.0 | 0.25 | 450 | 143 | 0.90 | 1.39 | 11.31 | | | | |
| | 510 | 511 | | | 0.000 | 0.202 | 175.14 | 98 | 13.5 | 0.25 | 450 | 143 | 0.90 | 0.25 | 12.70 | | | | |
| To BLOCK 482 (WALKWAY & SERVICING BLOCK), Pipe 511 - 512 | | | | | | | | | | | | | | | | | | | |
| BLOCK 482 (WALKWAY & SERVICING BLOCK) | | | | | | | | | | | | | | | | | | | |
| Contribution From CHARLES CORNWALL AVENUE, Pipe 97 - 98 | | | | | | | | | | | | | | | | | | | |
| | 98 | 99 | 0.02 | 0.85 | 0.013 | 5.484 | 84.78 | 1472 | 28.5 | 0.60 | 1350 | 4134 | 2.89 | 0.15 | 16.85 | | | | |
| Contribution From CHARLES CORNWALL AVENUE, Pipe 99 - 98 | | | | | | | | | | | | | | | | | | | |
| | 99 | 98 | | | 0.000 | 0.013 | | | | | | | | | 16.85 | | | | |
| To BLOCK 476 (SWIM POND), Pipe 99 - 990 | | | | | | | | | | | | | | | | | | | |
| BLOCK 482 (CLEAN WATER PIPE 100 YEAR) | | | | | | | | | | | | | | | | | | | |
| Contribution From CHARLES CORNWALL AVENUE, Pipe 507 - 511 | | | | | | | | | | | | | | | | | | | |
| | 511 | 512 | | | 0.000 | 0.202 | 164.49 | 447 | 28.5 | 0.20 | 825 | 642 | 1.20 | 0.40 | 14.09 | | | | |
| Contribution From CHARLES CORNWALL AVENUE, Pipe 510 - 511 | | | | | | | | | | | | | | | | | | | |
| | 510 | 511 | | | 0.000 | 0.202 | | | | | | | | | 14.49 | | | | |
| To BLOCK 476 (SWIM POND), Pipe 512 - 514 | | | | | | | | | | | | | | | | | | | |



TOWN OF OAKVILLE
 PROJECT: Bromie Green
 PROJECT NO: 12-601
 CONSULTANT: DAVID SCHAEFFER ENGINEERING LTD.
 DESIGNED BY: K.M.
 CHECKED BY: W.L.
 DATE: JUNE, 2019
 STORM SEWER DESIGN
 SHEET 7 OF 8

NOTES:
 Q = 2.78ACI L/s
 C = Runoff Co-efficient:
 Park 0.25
 Single & Semi-detached 0.50
 Multiple, Institutional, Industrial 0.75 & Commercial 0.90 or Detailed Design
 I = Intensity (mm/hr)
 A = Area (hectares)
 n = 0.013
 Minimum 10 min time of concentration.
 Park 0.25
 Single & Semi-detached 0.50
 Multiple, Institutional, Industrial 0.75 & Commercial 0.90 or Detailed Design

| LOCATION | | | CONTRIBUTING AREA | | | | FLOW | | | SEWER DESIGN | | | | | | | | | |
|---|--------------|------------|-------------------|------------------------|-------------|-----------------|---------------------------------|--------------|------------|--------------|---------------|--------------------------|--------------------------|----------------------------|-----------------------------|--------------------------|--------------------------|--------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
| STREET | FROM MANHOLE | TO MANHOLE | AREA "A" (ha) | STORM CO-EFFICIENT "C" | SECTION AXC | ACCUMULATED AXC | 5 YR RATIONAL INTENSITY (mm/hr) | FLOW Q (L/s) | LENGTH (m) | SLOPE (%) | DIAMETER (mm) | FULL FLOW CAPACITY (L/s) | FULL FLOW VELOCITY (m/s) | TIME OF FLOW IN PIPE (min) | TIME OF CONCENTRATION (min) | FALL IN PIPE SECTION (m) | MANHOLE INLET INVERT (m) | MANHOLE LOSSES (m) | MANHOLE OUTLET INVERT (m) |
| BLOCK 476 (SWM POND) | | | | | | | | | | | | | | | | | | | |
| POND INLET 3 | | | | | | | | | | | | | | | | | | | |
| Contribution From SAW WHET BOULEVARD, Pipe 106-107 | | | | | | | | | | | | | | | | | | | |
| | 107 | 108 | HW | | 0.000 | 1.047 | 96.22 | 314 | 23.5 | 0.30 | 675 | 460 | 1.23 | 0.30 | 13.56 | | | | |
| | 108 | HW | | | 0.000 | 1.047 | 84.86 | 310 | 4.5 | 0.30 | 675 | 460 | 1.23 | 0.06 | 13.87 | | | | |
| | | | | | 0.000 | 1.047 | | | | | | | | | 13.93 | | | | |
| TO SWM POND | | | | | | | | | | | | | | | | | | | |
| Contribution From SAW WHET BOULEVARD, Pipe 118 - 119 | | | | | | | | | | | | | | | | | | | |
| | 119 | 1190 | HW | | 0.000 | 8.971 | 74.87 | 1866 | 29.5 | 0.30 | 1350 | 2923 | 2.04 | 0.24 | 20.28 | | | | |
| | 1190 | HW | | | 0.000 | 8.971 | 74.29 | 1861 | 5.0 | 0.30 | 1350 | 2923 | 2.04 | 0.04 | 20.52 | | | | |
| | | | | | 0.000 | 8.971 | | | | | | | | | 20.56 | | | | |
| TO SWM POND | | | | | | | | | | | | | | | | | | | |
| POND INLET 1 | | | | | | | | | | | | | | | | | | | |
| Contribution From BLOCK 492 (WALKWAY & SERVICING BLOCK) | | | | | | | | | | | | | | | | | | | |
| | | 99 | 990 | | 0.000 | 6.010 | 84.30 | 1464 | 17.5 | 0.60 | 1350 | 4134 | 2.89 | 0.10 | 16.95 | | | | |
| | | 990 | HW | | 0.000 | 6.010 | 83.99 | 1468 | 6.5 | 0.60 | 1350 | 4134 | 2.89 | 0.04 | 16.99 | | | | |
| | | | | | 0.000 | 6.010 | | | | | | | | | 16.99 | | | | |
| TO SWM POND | | | | | | | | | | | | | | | | | | | |
| BLOCK 476 (CLEAN WATER PIPE 100 YEAR) | | | | | | | | | | | | | | | | | | | |
| Contribution From BLOCK 492, Pipe 511 - 512 | | | | | | | | | | | | | | | | | | | |
| | | 512 | 514 | | 0.000 | 0.978 | 161.71 | 439 | 144.0 | 0.20 | 825 | 642 | 1.20 | 2.00 | 16.49 | | | | |
| | | 514 | 403 | | 0.000 | 0.978 | 149.09 | 405 | 26.0 | 0.20 | 825 | 642 | 1.20 | 0.36 | 16.85 | | | | |
| | | | | | 0.000 | 0.978 | | | | | | | | | 16.85 | | | | |
| TO SWM Pond Outfall | | | | | | | | | | | | | | | | | | | |
| REGION OF HALTON WORKS DEPARTMENT | | | | | | | | | | | | | | | | | | | |
| Commercial Block Release Rate (from JFSA) | | | | | | | | | | | | | | | | | | | |
| | | | | | 0.000 | 0.000 | 114.21 | 105 | | | | | | | 10.00 | | | | |
| | | | | | 0.000 | 0.000 | 112.57 | 105 | 18.5 | 0.50 | 375 | 124 | 1.12 | 0.27 | 10.27 | | | | |
| | | | | | 0.000 | 0.000 | 110.13 | 105 | 28.5 | 0.50 | 375 | 124 | 1.12 | 0.42 | 10.70 | | | | |
| | | | | | 0.000 | 0.000 | | | 3.5 | 0.50 | 375 | 124 | 1.12 | 0.05 | 10.75 | | | | |
| TO REGION SWM POND | | | | | | | | | | | | | | | | | | | |
| REGION OF HALTON - SOUTH OPERATIONS CENTER | | | | | | | | | | | | | | | | | | | |
| | | | | | 0.82 | 2.673 | 166.69 | 1238 | 100YR | | | | | | 13.79 | | | | |
| | | | | | 0.82 | 2.673 | 95.28 | 708 | 5YR | | | | | | 13.91 | | | | |
| | | | | | 0.82 | 2.673 | 55.28 | 530 | 100-5YR | | | | | | 14.03 | | | | |
| | | | | | 0.82 | 2.673 | 55.28 | 1239 | 21.5 | 0.30 | TWIN 750 | 2740* | 3.10 | 0.12 | 13.91 | | | | |
| | | | | | 0.000 | 2.673 | 94.81 | 1339 | 23.5 | 0.30 | TWIN 750 | 2740* | 3.10 | 0.13 | 14.03 | | | | |
| | | | | | 0.000 | 2.673 | | | | | | | | | 14.03 | | | | |
| TO REGION SWM POND | | | | | | | | | | | | | | | | | | | |



NOTES:
 Q = 2.78ACI L/s
 C = Runoff Co-efficient:
 l = Intensity (mm/hr)
 A = Area (hectares)
 n = 0.013
 Minimum 10 min time of concentration.
 Park 0.25
 Single & Semi-detached 0.50
 Multiple, Institutional,
 Industrial 0.75 & Commercial
 0.80 or Detailed Design.

PROJECT: Bromie Green
PROJECT NO: 12-601
CONSULTANT: DAVID SCHAEFFER ENGINEERING LTD.
DESIGNED BY: K.M.
CHECKED BY: W.L.
DATE: JUNE, 2019

TOWN OF OAKVILLE
STORM SEWER DESIGN
 SHEET 8 OF 8

APPENDIX

B

Approach Flow Capture Curves

PCSWMM Model Input File

JFSA

Water Resources and
Environmental Consultants



Approach Flow Capture Curve for OPSD 400.01 grate & OPSD 600.01 Curb and Gutter

| OPSD 400.010 grate, OPSD 600.01 curb and gutter ⁽¹⁾ and 250 mm diameter lead pipe ⁽²⁾ | | | | | | | |
|--|--|---|--|---|--|---|--|
| So = 0.005 | | So = 0.01 | | So = 0.02 | | So = 0.03 | |
| Q _{app} (m ³ /s) | Q _{in} (m ³ /s) | Q _{app} (m ³ /s) | Q _{in} (m ³ /s) | Q _{app} (m ³ /s) | Q _{in} (m ³ /s) | Q _{app} (m ³ /s) | Q _{in} (m ³ /s) |
| S _x = 0.02 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 0.010 | 0.006 | 0.010 | 0.006 | 0.010 | 0.006 | 0.005 |
| | 0.020 | 0.013 | 0.020 | 0.012 | 0.020 | 0.011 | 0.011 |
| | 0.030 | 0.019 | 0.030 | 0.018 | 0.030 | 0.017 | 0.016 |
| | 0.050 | 0.031 | 0.050 | 0.029 | 0.050 | 0.026 | 0.025 |
| | 0.075 | 0.045 | 0.075 | 0.040 | 0.075 | 0.037 | 0.035 |
| | 0.100 | 0.049 | 0.100 | 0.049 | 0.100 | 0.045 | 0.042 |
| | 0.125 | 0.055 | 0.125 | 0.054 | 0.125 | 0.051 | 0.047 |
| | 0.150 | 0.059 | 0.150 | 0.059 | 0.150 | 0.056 | 0.052 |
| | 0.200 | 0.067 | 0.200 | 0.066 | 0.200 | 0.063 | 0.059 |
| | 0.300 | 0.077 | 0.300 | 0.076 | 0.300 | 0.074 | 0.069 |
| | 0.500 | 0.090 | 0.500 | 0.090 | 0.500 | 0.087 | 0.082 |
| | 1.000 | 0.108 | 1.000 | 0.108 | 1.000 | 0.106 | 0.099 |
| | 1.500 | 0.119 | 1.500 | 0.118 | 1.500 | 0.116 | 0.109 |
| | 2.000 | 0.126 | 2.000 | 0.125 | 2.000 | 0.124 | 0.116 |
| | 3.000 | 0.137 | 3.000 | 0.136 | 3.000 | 0.135 | 0.126 |
| | 4.000 | 0.144 | 4.000 | 0.143 | 4.000 | 0.142 | 0.133 |
| 6.000 | 0.154 | 6.000 | 0.154 | 6.000 | 0.153 | 0.143 | |
| 8.000 | 0.162 | 8.000 | 0.161 | 8.000 | 0.160 | 0.150 | |
| 10.000 | 0.168 | 10.000 | 0.167 | 10.000 | 0.166 | 0.155 | |

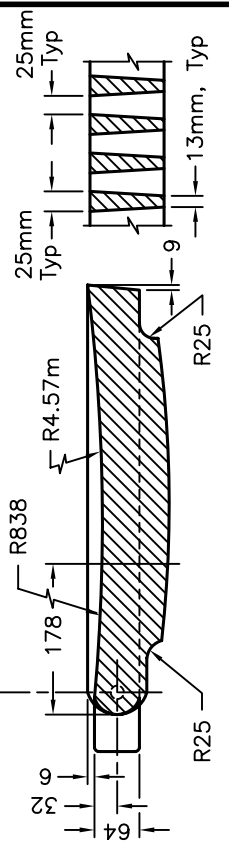
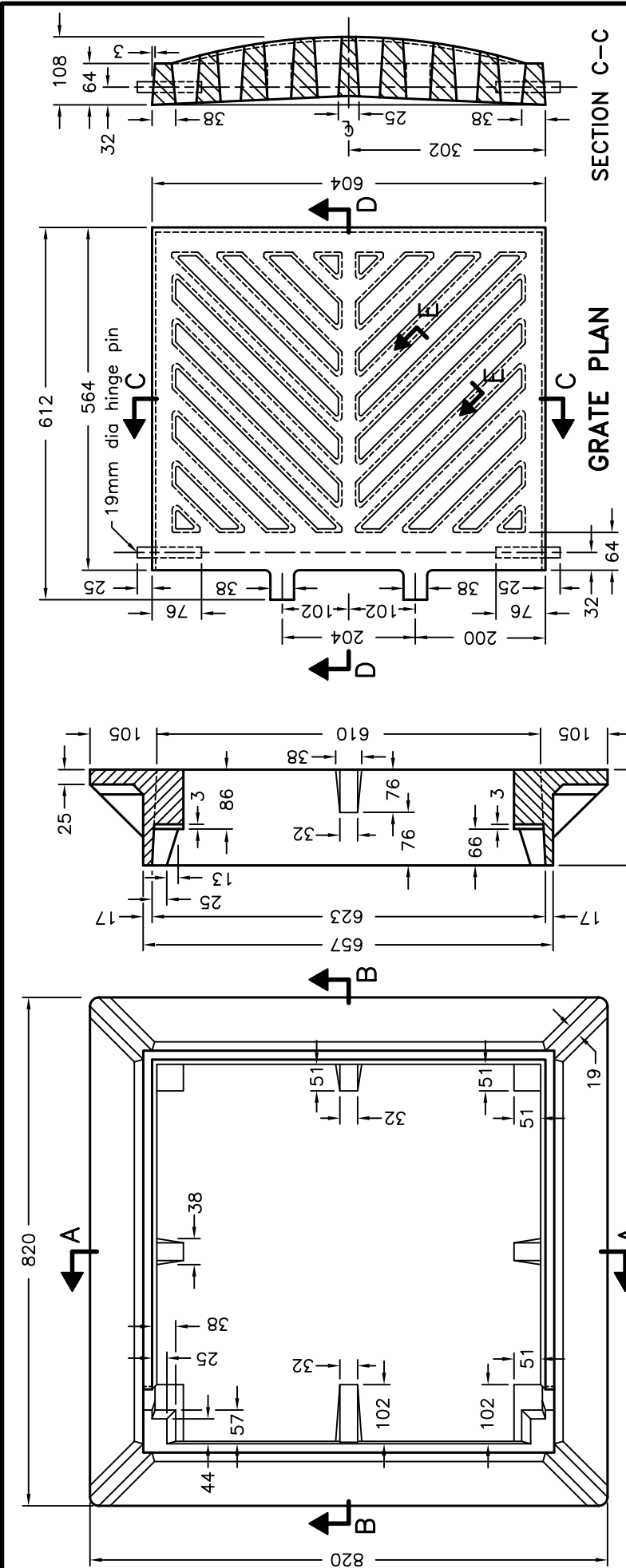
Notes: ⁽¹⁾ The above capture relationships were developed based on the MTO Drainage Management Manual (1997) design charts. The OPSD 400.01 grate & OPSD 600.01 curb and gutter were selected as the most representative structures, since no curves are provided for the Town of Oakville standard grate OPSD 400.11 and curb and gutter OPSD 600.06.

⁽²⁾ 250-mm lead pipes have a limited capacity of 195 L/s under a head of 1.2 m.

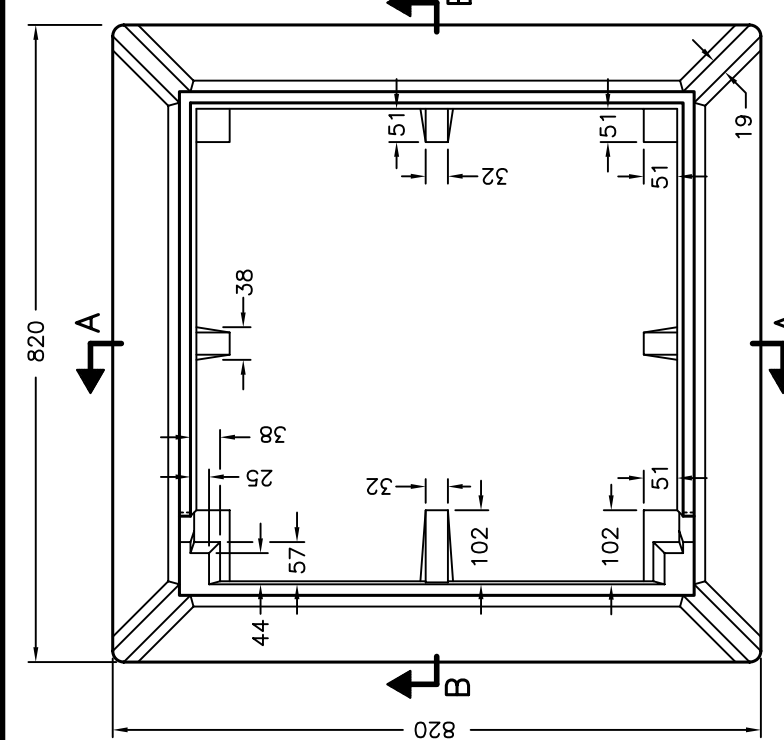
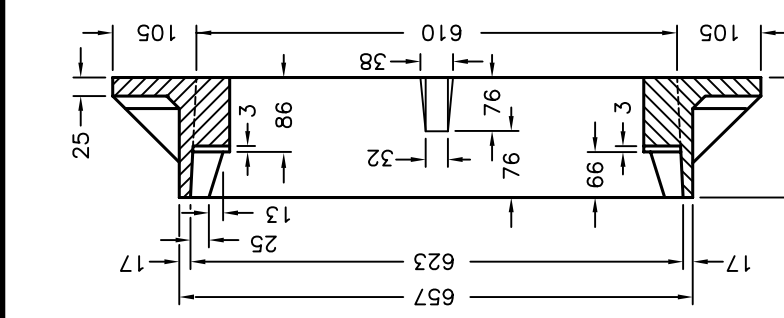
Estimated Approach Flow Capture Curve for OPSD 400.110 grate & OPSD 600.01 Curb and Gutter

| OPSD 400.110 grate, OPSD 600.01 curb and gutter ⁽¹⁾ and 250 mm diameter lead pipe ⁽²⁾ | | | | | | | |
|--|--|---|--|---|--|---|--|
| So = 0.005 | | So = 0.01 | | So = 0.02 | | So = 0.03 | |
| Q _{app} (m ³ /s) | Q _{in} (m ³ /s) | Q _{app} (m ³ /s) | Q _{in} (m ³ /s) | Q _{app} (m ³ /s) | Q _{in} (m ³ /s) | Q _{app} (m ³ /s) | Q _{in} (m ³ /s) |
| S _x = 0.02 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 0.010 | 0.006 | 0.010 | 0.006 | 0.010 | 0.006 | 0.005 |
| | 0.020 | 0.013 | 0.020 | 0.012 | 0.020 | 0.011 | 0.011 |
| | 0.030 | 0.019 | 0.030 | 0.018 | 0.030 | 0.017 | 0.016 |
| | 0.050 | 0.032 | 0.050 | 0.030 | 0.050 | 0.026 | 0.025 |
| | 0.075 | 0.046 | 0.075 | 0.041 | 0.075 | 0.038 | 0.036 |
| | 0.100 | 0.050 | 0.100 | 0.050 | 0.100 | 0.046 | 0.043 |
| | 0.125 | 0.056 | 0.125 | 0.055 | 0.125 | 0.052 | 0.048 |
| | 0.150 | 0.060 | 0.150 | 0.060 | 0.150 | 0.057 | 0.053 |
| | 0.200 | 0.068 | 0.200 | 0.067 | 0.200 | 0.064 | 0.060 |
| | 0.300 | 0.078 | 0.300 | 0.077 | 0.300 | 0.075 | 0.070 |
| | 0.500 | 0.092 | 0.500 | 0.092 | 0.500 | 0.089 | 0.083 |
| | 1.000 | 0.110 | 1.000 | 0.110 | 1.000 | 0.108 | 0.101 |
| | 1.500 | 0.121 | 1.500 | 0.120 | 1.500 | 0.118 | 0.111 |
| | 2.000 | 0.128 | 2.000 | 0.127 | 2.000 | 0.126 | 0.118 |
| | 3.000 | 0.139 | 3.000 | 0.138 | 3.000 | 0.137 | 0.128 |
| | 4.000 | 0.147 | 4.000 | 0.146 | 4.000 | 0.145 | 0.135 |
| 6.000 | 0.157 | 6.000 | 0.157 | 6.000 | 0.156 | 0.146 | |
| 8.000 | 0.165 | 8.000 | 0.164 | 8.000 | 0.163 | 0.153 | |
| 10.000 | 0.171 | 10.000 | 0.170 | 10.000 | 0.169 | 0.158 | |

Area of openings of an OPSD 400.01 Grate = 0.1215 m²
 Area of openings of an OPSD 400.11 Grate = 0.1237 m²
 Correction Factor for OPSD 400.11 covers = 1.018



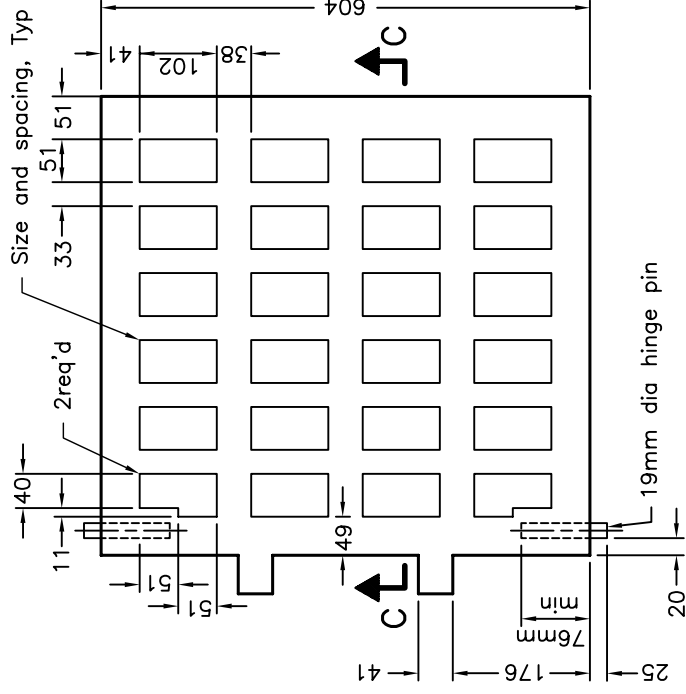
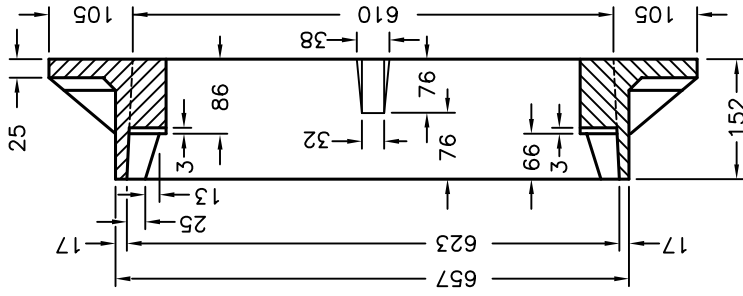
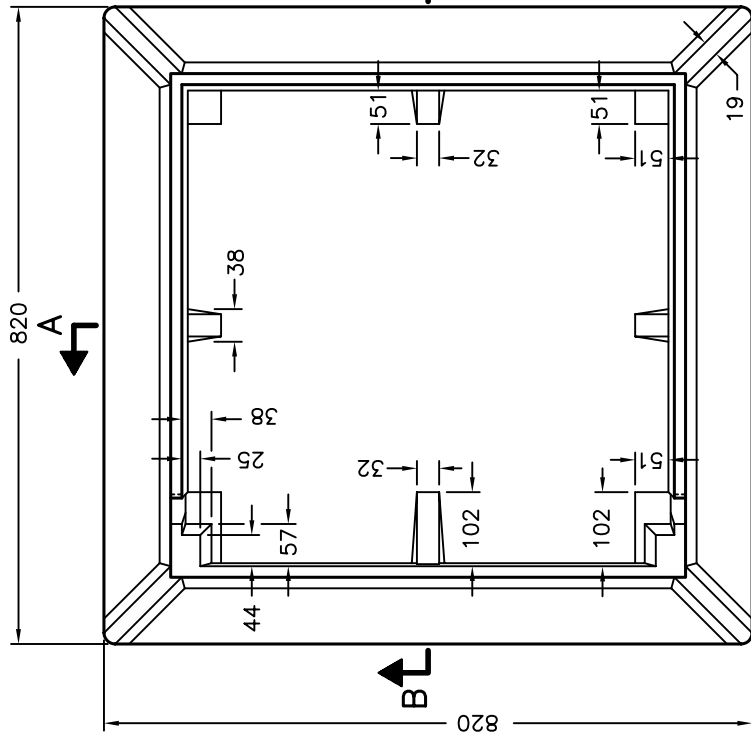
NOTES:
 A This OPSD to be read in conjunction with OPSD-610.010 and 610.020.
 B All dimensions are in millimetres unless otherwise shown.



| | | |
|--|----------|-------|
| ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2002 | Rev 0 |
| CAST IRON, SQUARE FRAME WITH SQUARE OVERFLOW TYPE DISHED GRATE FOR CATCH BASINS, HERRING BONE OPENINGS | | |



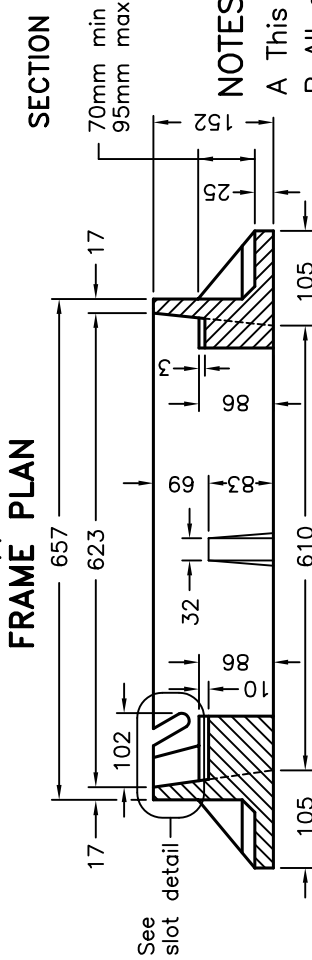
OPSD - 400.010



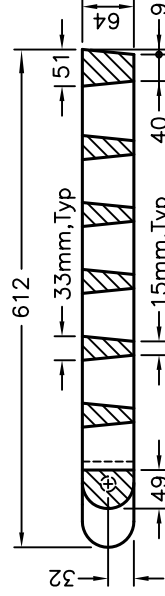
FRAME PLAN

SECTION A-A

GRATE PLAN



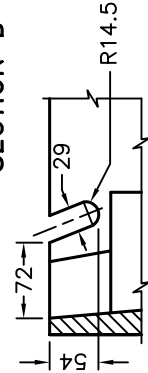
SECTION B-B



SECTION C-C

NOTES:

- A This OPSD to be read in conjunction with OPSD-610.010 and 610.020.
- B All dimensions are in millimetres unless otherwise shown.



SLOT DETAIL

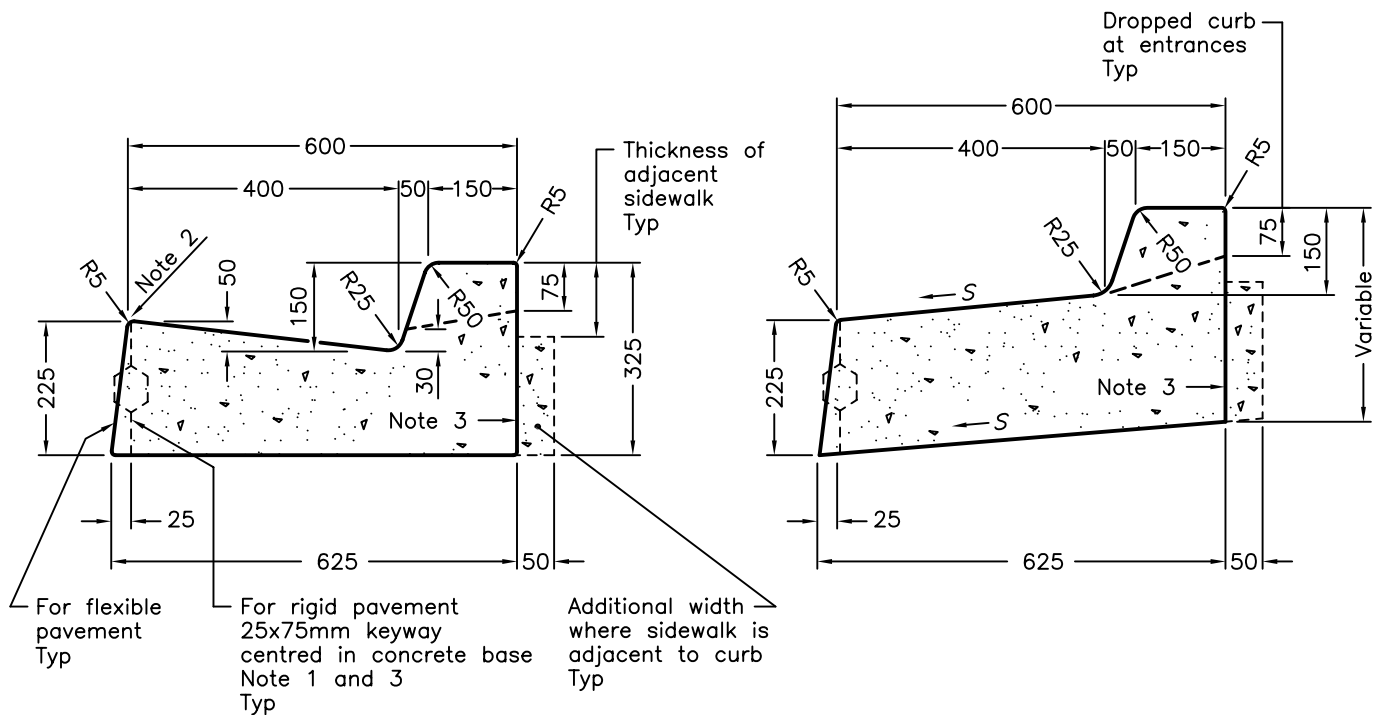
ONTARIO PROVINCIAL STANDARD DRAWING

**CAST IRON, SQUARE FRAME WITH
SQUARE OVERFLOW TYPE FLAT GRATE FOR
CATCH BASINS, PERFORATED OPENINGS**

Nov 2002 Rev 0



OPSD - 400.110



TANGENT

SUPERELEVATED

LEGEND:

S – Rate of pavement superelevation in percent, %.

NOTES:

- 1 When curb and gutter is adjacent to concrete pavement or base, this drawing is to be used in conjunction with OPSD 552.010 and 552.020.
 - 2 Flexible and composite pavement shall be placed 5mm above the adjacent edge of gutter.
 - 3 For slipforming procedure, a 5% batter is acceptable.
- A Treatment at entrances shall be according to OPSD 351.010.
 B Outlet treatment shall be according to the OPSD 610 Series.
 C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
 D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2006 | Rev | 1

**CONCRETE BARRIER CURB
WITH WIDE GUTTER**



OPSD 600.010


```

00001> [TITLE]
00002>
00003>
00004> [OPTIONS]
00005> ;;Options          Value
00006> ;;-----
00007> FLOW_UNITS          CMS
00008> INFILTRATION        GREEN_AMPT
00009> FLOW_ROUTING         DYNWAVE
00010> START_DATE          01/01/2016
00011> START_TIME          00:00:00
00012> REPORT_START_DATE   01/01/2016
00013> REPORT_START_TIME   00:00:00
00014> END_DATE            01/03/2016
00015> END_TIME            00:00:00
00016> SWEEP_START         01/01
00017> SWEEP_END           12/31
00018> DRY_DAYS            0
00019> REPORT_STEP         00:02:00
00020> WET_STEP            00:02:00
00021> DRY_STEP            00:02:00
00022> ROUTING_STEP        2
00023> ALLOW_PONDING       YES
00024> INERTIAL_DAMPING    PARTIAL
00025> VARIABLE_STEP       0.75
00026> LENGTHENING_STEP   0
00027> MIN_SURFAREA       0
00028> NORMAL_FLOW_LIMITED BOTH
00029> SKIP_STEADY_STATE  NO
00030> FORCE_MAIN_EQUATION  H-W
00031> LINK_OFFSETS        ELEVATION
00032> MIN_SLOPE           0
00033> MAX_TRIALS          8
00034> HEAD_TOLERANCE      0.0015
00035> SYS_FLOW_TOL        5
00036> LAT_FLOW_TOL        5
00037> MINIMUM_STEP        0.5
00038> THREADS              4
00039>

```

```

00040> [EVAPORATION]
00041> ;;Type          Parameters
00042> ;;-----
00043> CONSTANT        0.0
00044> DRY_ONLY        NO
00045>

```

```

00046> [RAINGAGES]
00047> ;;
00048> ;;Name          Type      Intrvl  Catch  Source
00049> ;;-----
00050> 002yrChicago24hr INTENSITY 0:10   1.0    TIMESERIES 002yrChicago24hr
00051> 005yrChicago24hr INTENSITY 0:10   1.0    TIMESERIES 005yrChicago24hr
00052> 010yrChicago24hr INTENSITY 0:10   1.0    TIMESERIES 010yrChicago24hr
00053> 025yrChicago24hr INTENSITY 0:10   1.0    TIMESERIES 025yrChicago24hr
00054> 050yrChicago24hr INTENSITY 0:10   1.0    TIMESERIES 050yrChicago24hr
00055> 100yrChicago24hr INTENSITY 0:10   1.0    TIMESERIES 100yrChicago24hr
00056> 10mm4Hr           INTENSITY 0:10   1.0    TIMESERIES 10mm4Hr
00057> 25mm4hr           INTENSITY 0:10   1.0    TIMESERIES 25mm4hr
00058> Regional          INTENSITY 0:10   1.0    TIMESERIES Regional
00059>

```

```

00060> [SUBCATCHMENTS]
00061> ;;
00062> ;;Name          Raingage      Outlet      Total    Pcnt.    Width    Pcnt.    Curb    Snow
00063> ;;-----
00064> A001SE          100yrChicago24hr Maj-230     0.27522   74       194.777   2       0
00065> A003DV1         100yrChicago24hr MH-3       0.22445   79       320.003   2       0
00066> A003DV2         100yrChicago24hr MH-109     0.17709   79       320.004   2       0
00067> A003NE          100yrChicago24hr Maj-230     0.22       68       19       2       0
00068> A003NW          100yrChicago24hr Maj-230     0.054     50       12       2       0
00069> A006SW          100yrChicago24hr Maj-211     0.15787   71       124.779   2       0
00070> A007R1          100yrChicago24hr RCB-3      0.14971   50       91.999   2       0
00071> A007R2          100yrChicago24hr RCB-2      0.15106   41       94.001   2       0
00072> A007SE          100yrChicago24hr Maj-222     0.15358   77       77.002   2       0
00073> A007SW          100yrChicago24hr Maj-222     0.35385   82       183.847   2       0
00074> A008R1          100yrChicago24hr RCB-1      0.11243   48       67.999   2       0
00075> A010DV1         100yrChicago24hr A010DV1-Onsite 0.7983   100      89.514   2       0
00076> A011NE          100yrChicago24hr Maj-225     0.25138   83       182.45   2       0
00077> A012NE          100yrChicago24hr Maj-201_1   0.37557   80       191.999   2       0
00078> A012R1          100yrChicago24hr RCB-14     0.16474   48       105.997   2       0
00079> A012R2          100yrChicago24hr RCB-15     0.12988   48       80       2       0
00080> A013NE          100yrChicago24hr Maj-199     0.35415   74       210.004   2       0
00081> A014NE          100yrChicago24hr Maj-183     0.16817   69       75.999   2       0
00082> A014R1          100yrChicago24hr RCB-24     0.082     40.244   66.001   2       0
00083> A014R2          100yrChicago24hr RCB-26     0.155     32.258   52       2       0
00084> A014SW          100yrChicago24hr Maj-199     0.10275   72       36       2       0
00085> A016NE          100yrChicago24hr Maj-165     0.23462   67       94.999   2       0
00086> A016R1          100yrChicago24hr RCB-36     0.12971   42       78.002   2       0
00087> A017NE          100yrChicago24hr Maj-156     0.135     53       91       2       0
00088> A019NE          100yrChicago24hr Maj-124     0.44493   68       205.996   2       0
00089> A019R1          100yrChicago24hr RCB-37     0.11553   44       63.998   2       0

```

| | | | | | | | | |
|--------|---------|------------------|----------------|---------|--------|---------|---|---|
| 00090> | A020NE | 100yrChicago24hr | Maj-106 | 0.422 | 70 | 28 | 2 | 0 |
| 00091> | A021NE | 100yrChicago24hr | Maj-97 | 0.3948 | 80 | 193 | 2 | 0 |
| 00092> | A022NE | 100yrChicago24hr | Maj-45 | 0.32596 | 67 | 176.998 | 2 | 0 |
| 00093> | A025NE | 100yrChicago24hr | Maj-89 | 0.3 | 65 | 19 | 2 | 0 |
| 00094> | A026R1 | 100yrChicago24hr | RCB-63 | 0.12316 | 44 | 76.001 | 2 | 0 |
| 00095> | A026R2 | 100yrChicago24hr | RCB-67 | 0.143 | 48.252 | 26 | 2 | 0 |
| 00096> | A027NE | 100yrChicago24hr | Maj-61 | 0.343 | 68.513 | 17 | 2 | 0 |
| 00097> | A027R1 | 100yrChicago24hr | RCB-61 | 0.14554 | 40 | 79.998 | 2 | 0 |
| 00098> | A028NE | 100yrChicago24hr | Maj-13 | 0.614 | 69.055 | 22 | 2 | 0 |
| 00099> | A029R1 | 100yrChicago24hr | RYD-62 | 0.298 | 34.564 | 33 | 2 | 0 |
| 00100> | A030NE | 100yrChicago24hr | Maj-17 | 0.16985 | 79 | 112.001 | 2 | 0 |
| 00101> | A032NW | 100yrChicago24hr | Maj-147 | 0.21209 | 59 | 213.995 | 2 | 0 |
| 00102> | A032R1 | 100yrChicago24hr | RCB-34 | 0.12758 | 49 | 79.997 | 2 | 0 |
| 00103> | A032R2 | 100yrChicago24hr | RCB-43 | 0.076 | 47.368 | 50 | 2 | 0 |
| 00104> | A032R3 | 100yrChicago24hr | RCB-46 | 0.091 | 37.363 | 59 | 2 | 0 |
| 00105> | A032SC1 | 100yrChicago24hr | A032SC1-Onsite | 0.94393 | 86 | 205.999 | 2 | 0 |
| 00106> | A032SW | 100yrChicago24hr | Maj-114 | 0.42607 | 79 | 263.006 | 2 | 0 |
| 00107> | A034R1 | 100yrChicago24hr | RCB-20 | 0.14408 | 47 | 91.999 | 2 | 0 |
| 00108> | A034R2 | 100yrChicago24hr | RCB-22 | 0.15946 | 46 | 98.003 | 2 | 0 |
| 00109> | A034SC1 | 100yrChicago24hr | A034SC1-onsite | 0.91214 | 86 | 212.002 | 2 | 0 |
| 00110> | A034SE | 100yrChicago24hr | Maj-157 | 0.47916 | 79 | 261.994 | 2 | 0 |
| 00111> | A035R1 | 100yrChicago24hr | RCB-10 | 0.15386 | 50 | 92 | 2 | 0 |
| 00112> | A035R2 | 100yrChicago24hr | RCB-13 | 0.17168 | 52 | 110.002 | 2 | 0 |
| 00113> | A036R1 | 100yrChicago24hr | RCB-8 | 0.16379 | 50 | 104 | 2 | 0 |
| 00114> | A036R2 | 100yrChicago24hr | RCB-9 | 0.15536 | 50 | 100 | 2 | 0 |
| 00115> | A036SE | 100yrChicago24hr | Maj-202 | 0.32831 | 79 | 189.72 | 2 | 0 |
| 00116> | A037NE | 100yrChicago24hr | Maj-184 | 0.13007 | 74 | 77.998 | 2 | 0 |
| 00117> | A040NE | 100yrChicago24hr | Maj-271 | 0.11306 | 91 | 32.35 | 2 | 0 |
| 00118> | A040SE | 100yrChicago24hr | Maj-271 | 0.21681 | 78 | 147.44 | 2 | 0 |
| 00119> | A043NE | 100yrChicago24hr | Maj-271 | 0.24986 | 75 | 171.997 | 2 | 0 |
| 00120> | A043SE | 100yrChicago24hr | Maj-264 | 0.21443 | 95 | 135.999 | 2 | 0 |
| 00121> | A044NE | 100yrChicago24hr | Maj-271 | 0.29903 | 84 | 155.002 | 2 | 0 |
| 00122> | A045NE | 100yrChicago24hr | Maj-267 | 0.25913 | 83 | 176.004 | 2 | 0 |
| 00123> | A048NE | 100yrChicago24hr | Maj-264 | 0.22049 | 93 | 147.003 | 2 | 0 |
| 00124> | A048SE | 100yrChicago24hr | Maj-257 | 0.24632 | 75 | 148.002 | 2 | 0 |
| 00125> | A049NW | 100yrChicago24hr | Maj-210 | 0.344 | 61.628 | 12 | 2 | 0 |
| 00126> | A049R1 | 100yrChicago24hr | RCB-4 | 0.118 | 50.847 | 31 | 2 | 0 |
| 00127> | A051SE | 100yrChicago24hr | Maj-245 | 0.19077 | 82 | 101.001 | 2 | 0 |
| 00128> | A052DV1 | 100yrChicago24hr | A052DV1-Onsite | 0.87061 | 100 | 84 | 2 | 0 |
| 00129> | A052NE | 100yrChicago24hr | Maj-248 | 0.29665 | 74 | 215.84 | 2 | 0 |
| 00130> | A055NE | 100yrChicago24hr | Maj-248 | 0.188 | 82 | 90 | 2 | 0 |
| 00131> | A055SW | 100yrChicago24hr | Maj-221 | 0.06955 | 70 | 87.003 | 2 | 0 |
| 00132> | A056NE | 100yrChicago24hr | Maj-75 | 0.26904 | 79 | 154.001 | 2 | 0 |
| 00133> | A058HC1 | 100yrChicago24hr | Trench-BGPark | 0.485 | 29 | 427.938 | 2 | 0 |
| 00134> | A058NW | 100yrChicago24hr | Maj-75 | 0.13639 | 73 | 94.999 | 2 | 0 |
| 00135> | A058PK1 | 100yrChicago24hr | Trench-BGPark | 2.12936 | 29 | 142 | 2 | 0 |
| 00136> | A058R1 | 100yrChicago24hr | Trench-BGPark | 0.06788 | 46 | 43 | 2 | 0 |
| 00137> | A058R2 | 100yrChicago24hr | Trench-BGPark | 0.05537 | 48 | 34.001 | 2 | 0 |
| 00138> | A058R3 | 100yrChicago24hr | Trench-BGPark | 0.10707 | 49 | 61.002 | 2 | 0 |
| 00139> | A059NE | 100yrChicago24hr | Maj-184 | 0.40701 | 75 | 260.004 | 2 | 0 |
| 00140> | A059PK1 | 100yrChicago24hr | A059PK1-Onsite | 0.30235 | 29 | 63 | 2 | 0 |
| 00141> | A059R1 | 100yrChicago24hr | RCB-7 | 0.10192 | 51 | 66.002 | 2 | 0 |
| 00142> | A059R2 | 100yrChicago24hr | A059PK1 | 0.08205 | 72 | 72.998 | 2 | 0 |
| 00143> | A060NE | 100yrChicago24hr | Maj-174 | 0.18179 | 73 | 101 | 2 | 0 |
| 00144> | A060R1 | 100yrChicago24hr | RCB-23 | 0.16868 | 47 | 116.003 | 2 | 0 |
| 00145> | A061R1 | 100yrChicago24hr | RCB-30 | 0.13974 | 48 | 85.999 | 2 | 0 |
| 00146> | A061R2 | 100yrChicago24hr | RCB-32 | 0.13537 | 48 | 90.001 | 2 | 0 |
| 00147> | A062NE | 100yrChicago24hr | Maj-96 | 0.231 | 78 | 140 | 2 | 0 |
| 00148> | A062NW | 100yrChicago24hr | Maj-78 | 0.042 | 57 | 47 | 2 | 0 |
| 00149> | A062R1 | 100yrChicago24hr | RCB-38 | 0.111 | 38.739 | 40 | 2 | 0 |
| 00150> | A062SE | 100yrChicago24hr | Maj-120 | 0.19251 | 81 | 156.005 | 2 | 0 |
| 00151> | A063SW | 100yrChicago24hr | Maj-95 | 0.349 | 74.499 | 17 | 2 | 0 |
| 00152> | A067NE | 100yrChicago24hr | Maj-54 | 0.717 | 76.29 | 27 | 2 | 0 |
| 00153> | A069R1 | 100yrChicago24hr | RCB-51 | 0.15168 | 47 | 96 | 2 | 0 |
| 00154> | A069R2 | 100yrChicago24hr | RCB-52 | 0.16113 | 48 | 102 | 2 | 0 |
| 00155> | A069R3 | 100yrChicago24hr | RCB-54 | 0.18996 | 48 | 127.997 | 2 | 0 |
| 00156> | A072NE | 100yrChicago24hr | Maj-193 | 0.23828 | 80 | 105.761 | 2 | 0 |
| 00157> | A073NE | 100yrChicago24hr | Maj-176 | 0.31165 | 74 | 152.188 | 2 | 0 |
| 00158> | A075NW | 100yrChicago24hr | Maj-193 | 0.369 | 74.255 | 21 | 2 | 0 |
| 00159> | A075R1 | 100yrChicago24hr | RCB-19 | 0.13272 | 47 | 89.998 | 2 | 0 |
| 00160> | A075R2 | 100yrChicago24hr | RCB-27 | 0.16763 | 48 | 110.001 | 2 | 0 |
| 00161> | A075SW | 100yrChicago24hr | Maj-166 | 0.49754 | 76 | 205.4 | 2 | 0 |
| 00162> | A077NE | 100yrChicago24hr | Maj-174 | 0.16913 | 78 | 86.001 | 2 | 0 |
| 00163> | A077R1 | 100yrChicago24hr | RCB-5 | 0.13653 | 36 | 85.998 | 2 | 0 |
| 00164> | A077R2 | 100yrChicago24hr | RCB-6 | 0.11608 | 50 | 74.002 | 2 | 0 |
| 00165> | A078NE | 100yrChicago24hr | Maj-146 | 0.24127 | 76 | 236.007 | 2 | 0 |
| 00166> | A079DV1 | 100yrChicago24hr | A079DV1-Onsite | 0.72918 | 79 | 167.998 | 2 | 0 |
| 00167> | A079NE | 100yrChicago24hr | Maj-154 | 0.2504 | 66 | 116.001 | 2 | 0 |
| 00168> | A080NE | 100yrChicago24hr | Maj-138 | 0.20683 | 73 | 163.995 | 2 | 0 |
| 00169> | A082NW | 100yrChicago24hr | Maj-131 | 0.23357 | 77 | 82 | 2 | 0 |
| 00170> | A082R1 | 100yrChicago24hr | RCB-28 | 0.054 | 48.077 | 16 | 2 | 0 |
| 00171> | A082R2 | 100yrChicago24hr | RCB-31 | 0.031 | 48.387 | 18 | 2 | 0 |
| 00172> | A083R1 | 100yrChicago24hr | RCB-21 | 0.065 | 47 | 16 | 2 | 0 |
| 00173> | A084NW | 100yrChicago24hr | Maj-123 | 0.27997 | 74 | 139.999 | 2 | 0 |
| 00174> | A084R1 | 100yrChicago24hr | RCB-18 | 0.177 | 41 | 33 | 2 | 0 |
| 00175> | A084R2 | 100yrChicago24hr | RCB-29 | 0.08 | 47 | 12 | 2 | 0 |
| 00176> | A085NE | 100yrChicago24hr | Maj-100 | 0.4083 | 72 | 253.005 | 2 | 0 |
| 00177> | A085R1 | 100yrChicago24hr | RCB-16 | 0.16467 | 44 | 102.001 | 2 | 0 |
| 00178> | A087NE | 100yrChicago24hr | Maj-44 | 0.406 | 79.31 | 40 | 2 | 0 |

| | | | | | | | | |
|--------|-----------|------------------|--------------------|----------|--------|---------|---|---|
| 00179> | A088NE | 100yrChicago24hr | Maj-70 | 0.09561 | 84 | 43 | 2 | 0 |
| 00180> | A090NE | 100yrChicago24hr | Maj-245 | 0.21447 | 63 | 216.004 | 2 | 0 |
| 00181> | A090NW | 100yrChicago24hr | Maj-220 | 0.17357 | 71 | 160.002 | 2 | 0 |
| 00182> | A090W | 100yrChicago24hr | Maj-220 | 0.04724 | 80 | 25 | 2 | 0 |
| 00183> | A091NE | 100yrChicago24hr | Maj-163 | 0.08556 | 68 | 95.003 | 2 | 0 |
| 00184> | A092R1 | 100yrChicago24hr | RCB-73 | 0.04303 | 47 | 32 | 2 | 0 |
| 00185> | A092R2 | 100yrChicago24hr | RCB-17 | 0.11108 | 48 | 64.001 | 2 | 0 |
| 00186> | A093NE | 100yrChicago24hr | Maj-103 | 0.241 | 76.763 | 17 | 2 | 0 |
| 00187> | A093NW | 100yrChicago24hr | Maj-127 | 0.23739 | 76 | 121 | 2 | 0 |
| 00188> | A093R1 | 100yrChicago24hr | RCB-25 | 0.17269 | 46 | 110.001 | 2 | 0 |
| 00189> | A093R2 | 100yrChicago24hr | RCB-35 | 0.17478 | 35 | 45 | 2 | 0 |
| 00190> | A093R3 | 100yrChicago24hr | RCB-33 | 0.105 | 42.857 | 18 | 2 | 0 |
| 00191> | A094N1 | 100yrChicago24hr | Maj-67 | 0.239 | 68.201 | 17 | 2 | 0 |
| 00192> | A094NE | 100yrChicago24hr | Maj-83 | 0.429 | 76.457 | 20 | 2 | 0 |
| 00193> | A094SE | 100yrChicago24hr | Maj-55 | 0.359 | 81 | 182 | 2 | 0 |
| 00194> | A097NE | 100yrChicago24hr | Maj-58 | 0.591 | 78.68 | 282.995 | 2 | 0 |
| 00195> | A105NE | 100yrChicago24hr | Maj-15 | 0.07915 | 79 | 37 | 2 | 0 |
| 00196> | A105SE | 100yrChicago24hr | Maj-15 | 0.227 | 76.695 | 40 | 2 | 0 |
| 00197> | A106NE | 100yrChicago24hr | Maj-17 | 0.191 | 51.031 | 15 | 2 | 0 |
| 00198> | A109DV1 | 100yrChicago24hr | MH-109 | 0.14981 | 79 | 211.985 | 2 | 0 |
| 00199> | A109DV2 | 100yrChicago24hr | A109DV1 | 0.09719 | 79 | 137.995 | 2 | 0 |
| 00200> | A109DV3 | 100yrChicago24hr | MH-109 | 0.12709 | 79 | 211.993 | 2 | 0 |
| 00201> | A109DV4 | 100yrChicago24hr | A109DV3 | 0.08256 | 79 | 135.991 | 2 | 0 |
| 00202> | A109NE | 100yrChicago24hr | Maj-242 | 0.13132 | 70 | 120.999 | 2 | 0 |
| 00203> | A109R1 | 100yrChicago24hr | A109DV3 | 0.05147 | 80 | 49 | 2 | 0 |
| 00204> | A109R2 | 100yrChicago24hr | A109DV3 | 0.04436 | 80 | 40.998 | 2 | 0 |
| 00205> | A109R3 | 100yrChicago24hr | A109DV4 | 0.09558 | 80 | 90 | 2 | 0 |
| 00206> | A109R4 | 100yrChicago24hr | A109DV4 | 0.05333 | 80 | 48.999 | 2 | 0 |
| 00207> | A109W1 | 100yrChicago24hr | Maj-242 | 0.02407 | 79 | 12 | 2 | 0 |
| 00208> | A109W2 | 100yrChicago24hr | Maj-242 | 0.02407 | 79 | 12 | 2 | 0 |
| 00209> | A109WK1 | 100yrChicago24hr | Maj-271 | 0.00319 | 80 | 20 | 2 | 0 |
| 00210> | A109WK2 | 100yrChicago24hr | Maj-258 | 0.00318 | 80 | 20 | 2 | 0 |
| 00211> | A109WK3 | 100yrChicago24hr | Maj-257 | 0.0032 | 80 | 20 | 2 | 0 |
| 00212> | A111NE | 100yrChicago24hr | Maj-219 | 0.28257 | 75 | 124.519 | 2 | 0 |
| 00213> | A112NE | 100yrChicago24hr | Maj-192 | 0.25061 | 76 | 176.003 | 2 | 0 |
| 00214> | A113NE | 100yrChicago24hr | Maj-140 | 0.06843 | 66 | 72.001 | 2 | 0 |
| 00215> | A115NE | 100yrChicago24hr | Maj-66 | 0.19 | 71 | 19 | 2 | 0 |
| 00216> | A115NW | 100yrChicago24hr | Maj-104 | 0.07351 | 66 | 79.001 | 2 | 0 |
| 00217> | A116NE | 100yrChicago24hr | Maj-53 | 0.0973 | 82 | 53.999 | 2 | 0 |
| 00218> | A116NW | 100yrChicago24hr | Maj-66 | 0.11874 | 57 | 93.999 | 2 | 0 |
| 00219> | A117NE | 100yrChicago24hr | Maj-53 | 0.32499 | 64 | 200.996 | 2 | 0 |
| 00220> | A119NE | 100yrChicago24hr | Maj-17 | 0.257 | 68 | 33 | 2 | 0 |
| 00221> | A119R1 | 100yrChicago24hr | RCB-64 | 0.129 | 41.085 | 26 | 2 | 0 |
| 00222> | A120NW | 100yrChicago24hr | Maj-203 | 0.24802 | 71 | 184.005 | 2 | 0 |
| 00223> | A120R1 | 100yrChicago24hr | RCB-12 | 0.12617 | 49 | 80.001 | 2 | 0 |
| 00224> | A120R2 | 100yrChicago24hr | RCB-11 | 0.17111 | 45 | 107.997 | 2 | 0 |
| 00225> | A200NE | 100yrChicago24hr | Maj-275 | 0.15 | 100 | 18 | 2 | 0 |
| 00226> | A201DV1 | 100yrChicago24hr | A201DV1-Onsite | 1.14822 | 86 | 77 | 2 | 0 |
| 00227> | A201NE | 100yrChicago24hr | Maj-270 | 0.065 | 100 | 35 | 2 | 0 |
| 00228> | A203NE | 100yrChicago24hr | Maj-273 | 0.245 | 100 | 21 | 2 | 0 |
| 00229> | A500R1 | 100yrChicago24hr | RCB-41 | 0.12 | 23.333 | 78 | 2 | 0 |
| 00230> | A5010HC1 | 100yrChicago24hr | RCB-44 | 0.08 | 29 | 78.99 | 2 | 0 |
| 00231> | A5010R1 | 100yrChicago24hr | RCB-44 | 0.057 | 48.387 | 34 | 2 | 0 |
| 00232> | A501R1 | 100yrChicago24hr | RYD-48 | 0.073 | 46.6 | 46 | 2 | 0 |
| 00233> | A501R2 | 100yrChicago24hr | RYD-47 | 0.146 | 28.3 | 58 | 2 | 0 |
| 00234> | A502HC1 | 100yrChicago24hr | RCB-47 | 0.158 | 29 | 129.392 | 2 | 0 |
| 00235> | A502HC2 | 100yrChicago24hr | RCB-45 | 0.081 | 29 | 85.363 | 2 | 0 |
| 00236> | A502R1 | 100yrChicago24hr | RCB-45 | 0.058 | 48.529 | 45 | 2 | 0 |
| 00237> | A502R2 | 100yrChicago24hr | RCB-47 | 0.065 | 47.273 | 36 | 2 | 0 |
| 00238> | A502R3 | 100yrChicago24hr | RYD-55 | 0.03919 | 49 | 16 | 2 | 0 |
| 00239> | A503HC1 | 100yrChicago24hr | RCB-42 | 0.108 | 29 | 91.701 | 2 | 0 |
| 00240> | A503R1 | 100yrChicago24hr | RCB-42 | 0.072 | 49.254 | 21 | 2 | 0 |
| 00241> | A505R1 | 100yrChicago24hr | RCB-48 | 0.065 | 23.729 | 16 | 2 | 0 |
| 00242> | A505R2 | 100yrChicago24hr | RCB-50 | 0.08 | 49 | 16 | 2 | 0 |
| 00243> | A505R3 | 100yrChicago24hr | RCB-55 | 0.04092 | 48 | 26.001 | 2 | 0 |
| 00244> | A506R1 | 100yrChicago24hr | RCB-56 | 0.08392 | 46 | 53.999 | 2 | 0 |
| 00245> | A507R1 | 100yrChicago24hr | RCB-58 | 0.04817 | 39 | 29.999 | 2 | 0 |
| 00246> | A508R1 | 100yrChicago24hr | RCB-65 | 0.043 | 48.837 | 16 | 2 | 0 |
| 00247> | A508R2 | 100yrChicago24hr | RCB-66 | 0.051 | 48.837 | 16 | 2 | 0 |
| 00248> | A508R3 | 100yrChicago24hr | RCB-69 | 0.067 | 46 | 17 | 2 | 0 |
| 00249> | A509R1 | 100yrChicago24hr | RCB-59 | 0.05476 | 39 | 33 | 2 | 0 |
| 00250> | A509R2 | 100yrChicago24hr | RCB-60 | 0.0472 | 47 | 25 | 2 | 0 |
| 00251> | A509R3 | 100yrChicago24hr | RCB-62 | 0.04329 | 48 | 27.999 | 2 | 0 |
| 00252> | A510WK1 | 100yrChicago24hr | RCB-44 | 0.017 | 62.5 | 6 | 2 | 0 |
| 00253> | A802NE | 100yrChicago24hr | Maj-307 | 0.2268 | 64 | 120 | 2 | 0 |
| 00254> | A805NE | 100yrChicago24hr | Maj-314 | 0.2283 | 62 | 128 | 2 | 0 |
| 00255> | A805NW | 100yrChicago24hr | Maj-314 | 0.1552 | 69 | 90 | 2 | 0 |
| 00256> | A805SE | 100yrChicago24hr | Maj-313 | 0.0258 | 100 | 39 | 2 | 0 |
| 00257> | A806NE | 100yrChicago24hr | Maj-303 | 0.338 | 76 | 25 | 2 | 0 |
| 00258> | ABGRD01 | 100yrChicago24hr | B-Road_Spill | 1.086 | 71 | 72 | 2 | 0 |
| 00259> | ABGRD02_1 | 100yrChicago24hr | B-Road_Spill2 | 0.764769 | 79 | 97 | 2 | 0 |
| 00260> | ABGRD02_2 | 100yrChicago24hr | B-Road_Spill3 | 0.676131 | 79 | 97 | 2 | 0 |
| 00261> | ACREEK10 | 100yrChicago24hr | LID32 | 0.11 | 21 | 39 | 2 | 0 |
| 00262> | ACREEK2 | 100yrChicago24hr | LID41 | 0.224 | 22 | 74 | 2 | 0 |
| 00263> | ACREEK3 | 100yrChicago24hr | Trench-Trail-4East | 0.17 | 24 | 56 | 2 | 0 |
| 00264> | ACREEK4 | 100yrChicago24hr | LID16 | 0.02411 | 7 | 10 | 2 | 0 |
| 00265> | ACREEK5A | 100yrChicago24hr | LID19 | 0.175841 | 20 | 75 | 2 | 0 |
| 00266> | ACREEK5B | 100yrChicago24hr | LID78 | 0.341159 | 20 | 90 | 2 | 0 |
| 00267> | ACREEK6A | 100yrChicago24hr | LID10 | 0.5359 | 26 | 150 | 2 | 0 |

| | | | | | | | | |
|--------|-----------|------------------|---------------------|---------|--------|---------|---|---|
| 00268> | ACREEK6B | 100yrChicago24hr | Trench-Trail-7 | 0.0981 | 14 | 110 | 2 | 0 |
| 00269> | ACREEK7A | 100yrChicago24hr | Trench-Trail-9 | 0.111 | 30 | 51 | 2 | 0 |
| 00270> | ACREEK7B | 100yrChicago24hr | RYD-144 | 0.042 | 25 | 60 | 2 | 0 |
| 00271> | ACREEK8 | 100yrChicago24hr | LID5 | 0.149 | 19 | 62 | 2 | 0 |
| 00272> | ACREEK9 | 100yrChicago24hr | Trench-Trail-10East | 0.351 | 23 | 74 | 2 | 0 |
| 00273> | ACREEKPK1 | 100yrChicago24hr | Trench-UrbanSquare | 0.18956 | 29 | 85.001 | 2 | 0 |
| 00274> | ACREEKPK2 | 100yrChicago24hr | LID28 | 0.106 | 7 | 120 | 2 | 0 |
| 00275> | ACREEKR1 | 100yrChicago24hr | To_E643 | 0.208 | 29 | 20 | 2 | 0 |
| 00276> | ACREEKR4 | 100yrChicago24hr | LID17 | 0.0761 | 64 | 41 | 2 | 0 |
| 00277> | ANHS-1 | 100yrChicago24hr | LID61 | 0.163 | 10 | 65 | 2 | 0 |
| 00278> | ANHS-2 | 100yrChicago24hr | LID61 | 0.371 | 7 | 77 | 2 | 0 |
| 00279> | ANHS-3 | 100yrChicago24hr | LID55 | 0.481 | 7 | 147 | 2 | 0 |
| 00280> | ANHS-4 | 100yrChicago24hr | LID114 | 0.147 | 7 | 42 | 2 | 0 |
| 00281> | ANHS-5 | 100yrChicago24hr | To_E505 | 0.211 | 7 | 75 | 2 | 0 |
| 00282> | AOUT00 | 100yrChicago24hr | LID103 | 0.1508 | 11 | 20 | 2 | 0 |
| 00283> | AOUT-E1 | 100yrChicago24hr | LID49 | 0.168 | 21 | 77 | 2 | 0 |
| 00284> | AOUT-E2 | 100yrChicago24hr | LID54 | 0.375 | 31 | 147 | 2 | 0 |
| 00285> | AOUT-E3 | 100yrChicago24hr | To_E505 | 0.211 | 7 | 46 | 2 | 0 |
| 00286> | AOUT-N1 | 100yrChicago24hr | Maj-253 | 0.08 | 70 | 24 | 2 | 0 |
| 00287> | AOUT-N2 | 100yrChicago24hr | LID47 | 0.154 | 15 | 65 | 2 | 0 |
| 00288> | AOUT-N3 | 100yrChicago24hr | LID100 | 0.044 | 25 | 25 | 2 | 0 |
| 00289> | AOUTNR1 | 100yrChicago24hr | LID103 | 0.03842 | 38 | 28.001 | 2 | 0 |
| 00290> | AOUTSR1 | 100yrChicago24hr | RYD-11 | 0.05582 | 41 | 14 | 2 | 0 |
| 00291> | AOUTSR2 | 100yrChicago24hr | RYD-14 | 0.02707 | 47 | 16.999 | 2 | 0 |
| 00292> | AOUT-W1 | 100yrChicago24hr | B-Road_Spill2 | 0.03883 | 79 | 20 | 2 | 0 |
| 00293> | APOND1 | 100yrChicago24hr | SFBG-4-5 | 1.9635 | 52 | 131.286 | 2 | 0 |
| 00294> | APONDR1 | 100yrChicago24hr | SFBG-4-5 | 0.259 | 49.027 | 162 | 2 | 0 |
| 00295> | APONDR2 | 100yrChicago24hr | SFBG-4-5 | 0.26 | 46.154 | 140 | 2 | 0 |
| 00296> | APONDR3 | 100yrChicago24hr | SFBG-4-5 | 0.183 | 42.623 | 103 | 2 | 0 |
| 00297> | APONDWK1 | 100yrChicago24hr | Major_Pond_South | 0.021 | 38.095 | 26.998 | 2 | 0 |
| 00298> | APONDWK2 | 100yrChicago24hr | MH-68 | 0.0165 | 50 | 53.992 | 2 | 0 |
| 00299> | ATURTLE | 100yrChicago24hr | To_E301 | 2.12471 | 7 | 263.001 | 2 | 0 |

00300>

00301> [SUBAREAS]

| 00302> | ;;Subcatchment | N-Imperv | N-Perv | S-Imperv | S-Perv | PctZero | RouteTo | PctRouted |
|--------|----------------|----------|--------|----------|--------|---------|----------|-----------|
| 00303> | ;;----- | | | | | | | |
| 00304> | A001SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00305> | A003DV1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00306> | A003DV2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00307> | A003NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00308> | A003NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00309> | A006SW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00310> | A007R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00311> | A007R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00312> | A007SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00313> | A007SW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00314> | A008R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00315> | A010DV1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00316> | A011NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00317> | A012NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00318> | A012R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00319> | A012R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00320> | A013NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00321> | A014NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00322> | A014R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00323> | A014R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00324> | A014SW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00325> | A016NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00326> | A016R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00327> | A017NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00328> | A019NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00329> | A019R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00330> | A020NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00331> | A021NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00332> | A022NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00333> | A025NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00334> | A026R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00335> | A026R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00336> | A027NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00337> | A027R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00338> | A028NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00339> | A029R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00340> | A030NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00341> | A032NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00342> | A032R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00343> | A032R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00344> | A032R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00345> | A032SC1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00346> | A032SW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00347> | A034R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00348> | A034R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00349> | A034SC1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00350> | A034SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00351> | A035R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00352> | A035R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00353> | A036R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00354> | A036R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00355> | A036SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00356> | A037NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |

| | | | | | | | | |
|--------|---------|-------|------|-----|---|----|----------|-----|
| 00357> | A040NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00358> | A040SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00359> | A043NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00360> | A043SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00361> | A044NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00362> | A045NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00363> | A048NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00364> | A048SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00365> | A049NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00366> | A049R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00367> | A051SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00368> | A052DV1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00369> | A052NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00370> | A055NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00371> | A055SW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00372> | A056NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00373> | A058HC1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00374> | A058NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00375> | A058PK1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00376> | A058R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00377> | A058R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00378> | A058R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00379> | A059NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00380> | A059PK1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00381> | A059R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00382> | A059R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00383> | A060NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00384> | A060R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00385> | A061R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00386> | A061R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00387> | A062NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00388> | A062NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00389> | A062R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00390> | A062SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00391> | A063SW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00392> | A067NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00393> | A069R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00394> | A069R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00395> | A069R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00396> | A072NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00397> | A073NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00398> | A075NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00399> | A075R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00400> | A075R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00401> | A075SW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00402> | A077NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00403> | A077R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00404> | A077R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00405> | A078NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00406> | A079DV1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00407> | A079NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00408> | A080NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00409> | A082NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00410> | A082R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00411> | A082R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00412> | A083R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00413> | A084NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00414> | A084R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00415> | A084R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00416> | A085NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00417> | A085R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00418> | A087NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00419> | A088NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00420> | A090NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00421> | A090NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00422> | A090W | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00423> | A091NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00424> | A092R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00425> | A092R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00426> | A093NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00427> | A093NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00428> | A093R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00429> | A093R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00430> | A093R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00431> | A094N1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00432> | A094NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00433> | A094SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00434> | A097NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00435> | A105NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00436> | A105SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00437> | A106NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00438> | A109DV1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00439> | A109DV2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00440> | A109DV3 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00441> | A109DV4 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00442> | A109NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00443> | A109R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00444> | A109R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00445> | A109R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |

| | | | | | | | | |
|--------|-----------|-------|------|-----|---|----|----------|-----|
| 00446> | A109R4 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00447> | A109W1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00448> | A109W2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00449> | A109WK1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00450> | A109WK2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00451> | A109WK3 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00452> | A111NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00453> | A112NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00454> | A113NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00455> | A115NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00456> | A115NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00457> | A116NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00458> | A116NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00459> | A117NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00460> | A119NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00461> | A119R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00462> | A120NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00463> | A120R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00464> | A120R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00465> | A200NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00466> | A201DV1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00467> | A201NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00468> | A203NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00469> | A500R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00470> | A5010HC1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00471> | A5010R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00472> | A501R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00473> | A501R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00474> | A502HC1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00475> | A502HC2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00476> | A502R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00477> | A502R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00478> | A502R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00479> | A503HC1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00480> | A503R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00481> | A505R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00482> | A505R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00483> | A505R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00484> | A506R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00485> | A507R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00486> | A508R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00487> | A508R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00488> | A508R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00489> | A509R1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00490> | A509R2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00491> | A509R3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00492> | A510WK1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00493> | A802NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00494> | A805NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00495> | A805NW | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00496> | A805SE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00497> | A806NE | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00498> | ABGRD01 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00499> | ABGRD02_1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00500> | ABGRD02_2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00501> | ACREEK10 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00502> | ACREEK2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00503> | ACREEK3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00504> | ACREEK4 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00505> | ACREEK5A | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00506> | ACREEK5B | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00507> | ACREEK6A | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00508> | ACREEK6B | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00509> | ACREEK7A | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00510> | ACREEK7B | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00511> | ACREEK8 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00512> | ACREEK9 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00513> | ACREEKPK1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00514> | ACREEKPK2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00515> | ACREEKR1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00516> | ACREEKR4 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00517> | ANHS-1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00518> | ANHS-2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00519> | ANHS-3 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00520> | ANHS-4 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00521> | ANHS-5 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00522> | AOUT00 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00523> | AOUT-E1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00524> | AOUT-E2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00525> | AOUT-E3 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00526> | AOUT-N1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00527> | AOUT-N2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00528> | AOUT-N3 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00529> | AOUTNR1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00530> | AOUTSR1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00531> | AOUTSR2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00532> | AOUT-W1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00533> | AFOND1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00534> | AFONDR1 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |

| | | | | | | | | |
|--------|----------------|---------|--------|--------|----|----|----------|-----|
| 00535> | AFONDR2 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00536> | AFONDR3 | 0.013 | 0.25 | 2.5 | 5 | 25 | PERVIOUS | 100 |
| 00537> | AFONDWK1 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00538> | AFONDWK2 | 0.013 | 0.25 | 2.5 | 5 | 25 | OUTLET | |
| 00539> | ATURTLE | 0.013 | 0.25 | 2.5 | 10 | 25 | OUTLET | |
| 00540> | | | | | | | | |
| 00541> | [INFILTRATION] | | | | | | | |
| 00542> | ;;Subcatchment | Suction | HydCon | IMDmax | | | | |
| 00543> | ;;----- | ----- | ----- | ----- | | | | |
| 00544> | A001SE | 135.81 | 0.95 | 0.21 | | | | |
| 00545> | A003DV1 | 135.81 | 0.95 | 0.21 | | | | |
| 00546> | A003DV2 | 135.81 | 0.95 | 0.21 | | | | |
| 00547> | A003NE | 135.81 | 0.95 | 0.21 | | | | |
| 00548> | A003NW | 135.81 | 0.95 | 0.21 | | | | |
| 00549> | A006SW | 135.81 | 0.95 | 0.21 | | | | |
| 00550> | A007R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00551> | A007R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00552> | A007SE | 135.81 | 0.95 | 0.21 | | | | |
| 00553> | A007SW | 135.81 | 0.95 | 0.21 | | | | |
| 00554> | A008R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00555> | A010DV1 | 135.81 | 0.95 | 0.21 | | | | |
| 00556> | A011NE | 135.81 | 0.95 | 0.21 | | | | |
| 00557> | A012NE | 135.81 | 0.95 | 0.21 | | | | |
| 00558> | A012R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00559> | A012R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00560> | A013NE | 135.81 | 0.95 | 0.21 | | | | |
| 00561> | A014NE | 135.81 | 0.95 | 0.21 | | | | |
| 00562> | A014R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00563> | A014R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00564> | A014SW | 135.81 | 0.95 | 0.21 | | | | |
| 00565> | A016NE | 135.81 | 0.95 | 0.21 | | | | |
| 00566> | A016R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00567> | A017NE | 135.81 | 0.95 | 0.21 | | | | |
| 00568> | A019NE | 135.81 | 0.95 | 0.21 | | | | |
| 00569> | A019R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00570> | A020NE | 135.81 | 0.95 | 0.21 | | | | |
| 00571> | A021NE | 135.81 | 0.95 | 0.21 | | | | |
| 00572> | A022NE | 135.81 | 0.95 | 0.21 | | | | |
| 00573> | A025NE | 135.81 | 0.95 | 0.21 | | | | |
| 00574> | A026R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00575> | A026R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00576> | A027NE | 135.81 | 0.95 | 0.21 | | | | |
| 00577> | A027R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00578> | A028NE | 135.81 | 0.95 | 0.21 | | | | |
| 00579> | A029R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00580> | A030NE | 135.81 | 0.95 | 0.21 | | | | |
| 00581> | A032NW | 135.81 | 0.95 | 0.21 | | | | |
| 00582> | A032R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00583> | A032R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00584> | A032R3 | 135.81 | 0.95 | 0.21 | | | | |
| 00585> | A032SC1 | 135.81 | 0.95 | 0.21 | | | | |
| 00586> | A032SW | 135.81 | 0.95 | 0.21 | | | | |
| 00587> | A034R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00588> | A034R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00589> | A034SC1 | 135.81 | 0.95 | 0.21 | | | | |
| 00590> | A034SE | 135.81 | 0.95 | 0.21 | | | | |
| 00591> | A035R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00592> | A035R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00593> | A036R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00594> | A036R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00595> | A036SE | 135.81 | 0.95 | 0.21 | | | | |
| 00596> | A037NE | 135.81 | 0.95 | 0.21 | | | | |
| 00597> | A040NE | 135.81 | 0.95 | 0.21 | | | | |
| 00598> | A040SE | 135.81 | 0.95 | 0.21 | | | | |
| 00599> | A043NE | 135.81 | 0.95 | 0.21 | | | | |
| 00600> | A043SE | 135.81 | 0.95 | 0.21 | | | | |
| 00601> | A044NE | 135.81 | 0.95 | 0.21 | | | | |
| 00602> | A045NE | 135.81 | 0.95 | 0.21 | | | | |
| 00603> | A048NE | 135.81 | 0.95 | 0.21 | | | | |
| 00604> | A048SE | 135.81 | 0.95 | 0.21 | | | | |
| 00605> | A049NW | 135.81 | 0.95 | 0.21 | | | | |
| 00606> | A049R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00607> | A051SE | 135.81 | 0.95 | 0.21 | | | | |
| 00608> | A052DV1 | 135.81 | 0.95 | 0.21 | | | | |
| 00609> | A052NE | 135.81 | 0.95 | 0.21 | | | | |
| 00610> | A055NE | 135.81 | 0.95 | 0.21 | | | | |
| 00611> | A055SW | 135.81 | 0.95 | 0.21 | | | | |
| 00612> | A056NE | 135.81 | 0.95 | 0.21 | | | | |
| 00613> | A058HC1 | 135.81 | 0.95 | 0.21 | | | | |
| 00614> | A058NW | 135.81 | 0.95 | 0.21 | | | | |
| 00615> | A058PK1 | 135.81 | 0.95 | 0.21 | | | | |
| 00616> | A058R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00617> | A058R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00618> | A058R3 | 135.81 | 0.95 | 0.21 | | | | |
| 00619> | A059NE | 135.81 | 0.95 | 0.21 | | | | |
| 00620> | A059PK1 | 135.81 | 0.95 | 0.21 | | | | |
| 00621> | A059R1 | 135.81 | 0.95 | 0.21 | | | | |
| 00622> | A059R2 | 135.81 | 0.95 | 0.21 | | | | |
| 00623> | A060NE | 135.81 | 0.95 | 0.21 | | | | |

| | | | | |
|--------|----------|--------|------|------|
| 00624> | A060R1 | 135.81 | 0.95 | 0.21 |
| 00625> | A061R1 | 135.81 | 0.95 | 0.21 |
| 00626> | A061R2 | 135.81 | 0.95 | 0.21 |
| 00627> | A062NE | 135.81 | 0.95 | 0.21 |
| 00628> | A062NW | 135.81 | 0.95 | 0.21 |
| 00629> | A062R1 | 135.81 | 0.95 | 0.21 |
| 00630> | A062SE | 135.81 | 0.95 | 0.21 |
| 00631> | A063SW | 135.81 | 0.95 | 0.21 |
| 00632> | A067NE | 135.81 | 0.95 | 0.21 |
| 00633> | A069R1 | 135.81 | 0.95 | 0.21 |
| 00634> | A069R2 | 135.81 | 0.95 | 0.21 |
| 00635> | A069R3 | 135.81 | 0.95 | 0.21 |
| 00636> | A072NE | 135.81 | 0.95 | 0.21 |
| 00637> | A073NE | 135.81 | 0.95 | 0.21 |
| 00638> | A075NW | 135.81 | 0.95 | 0.21 |
| 00639> | A075R1 | 135.81 | 0.95 | 0.21 |
| 00640> | A075R2 | 135.81 | 0.95 | 0.21 |
| 00641> | A075SW | 135.81 | 0.95 | 0.21 |
| 00642> | A077NE | 135.81 | 0.95 | 0.21 |
| 00643> | A077R1 | 135.81 | 0.95 | 0.21 |
| 00644> | A077R2 | 135.81 | 0.95 | 0.21 |
| 00645> | A078NE | 135.81 | 0.95 | 0.21 |
| 00646> | A079DV1 | 135.81 | 0.95 | 0.21 |
| 00647> | A079NE | 135.81 | 0.95 | 0.21 |
| 00648> | A080NE | 135.81 | 0.95 | 0.21 |
| 00649> | A082NW | 135.81 | 0.95 | 0.21 |
| 00650> | A082R1 | 135.81 | 0.95 | 0.21 |
| 00651> | A082R2 | 135.81 | 0.95 | 0.21 |
| 00652> | A083R1 | 135.81 | 0.95 | 0.21 |
| 00653> | A084NW | 135.81 | 0.95 | 0.21 |
| 00654> | A084R1 | 135.81 | 0.95 | 0.21 |
| 00655> | A084R2 | 135.81 | 0.95 | 0.21 |
| 00656> | A085NE | 135.81 | 0.95 | 0.21 |
| 00657> | A085R1 | 135.81 | 0.95 | 0.21 |
| 00658> | A087NE | 135.81 | 0.95 | 0.21 |
| 00659> | A088NE | 135.81 | 0.95 | 0.21 |
| 00660> | A090NE | 135.81 | 0.95 | 0.21 |
| 00661> | A090NW | 135.81 | 0.95 | 0.21 |
| 00662> | A090W | 135.81 | 0.95 | 0.21 |
| 00663> | A091NE | 135.81 | 0.95 | 0.21 |
| 00664> | A092R1 | 135.81 | 0.95 | 0.21 |
| 00665> | A092R2 | 135.81 | 0.95 | 0.21 |
| 00666> | A093NE | 135.81 | 0.95 | 0.21 |
| 00667> | A093NW | 135.81 | 0.95 | 0.21 |
| 00668> | A093R1 | 135.81 | 0.95 | 0.21 |
| 00669> | A093R2 | 135.81 | 0.95 | 0.21 |
| 00670> | A093R3 | 135.81 | 0.95 | 0.21 |
| 00671> | A094N1 | 135.81 | 0.95 | 0.21 |
| 00672> | A094NE | 135.81 | 0.95 | 0.21 |
| 00673> | A094SE | 135.81 | 0.95 | 0.21 |
| 00674> | A097NE | 135.81 | 0.95 | 0.21 |
| 00675> | A105NE | 135.81 | 0.95 | 0.21 |
| 00676> | A105SE | 135.81 | 0.95 | 0.21 |
| 00677> | A106NE | 135.81 | 0.95 | 0.21 |
| 00678> | A109DV1 | 135.81 | 0.95 | 0.21 |
| 00679> | A109DV2 | 135.81 | 0.95 | 0.21 |
| 00680> | A109DV3 | 135.81 | 0.95 | 0.21 |
| 00681> | A109DV4 | 135.81 | 0.95 | 0.21 |
| 00682> | A109NE | 135.81 | 0.95 | 0.21 |
| 00683> | A109R1 | 135.81 | 0.95 | 0.21 |
| 00684> | A109R2 | 135.81 | 0.95 | 0.21 |
| 00685> | A109R3 | 135.81 | 0.95 | 0.21 |
| 00686> | A109R4 | 135.81 | 0.95 | 0.21 |
| 00687> | A109W1 | 135.81 | 0.95 | 0.21 |
| 00688> | A109W2 | 135.81 | 0.95 | 0.21 |
| 00689> | A109WK1 | 135.81 | 0.95 | 0.21 |
| 00690> | A109WK2 | 135.81 | 0.95 | 0.21 |
| 00691> | A109WK3 | 135.81 | 0.95 | 0.21 |
| 00692> | A111NE | 135.81 | 0.95 | 0.21 |
| 00693> | A112NE | 135.81 | 0.95 | 0.21 |
| 00694> | A113NE | 135.81 | 0.95 | 0.21 |
| 00695> | A115NE | 135.81 | 0.95 | 0.21 |
| 00696> | A115NW | 135.81 | 0.95 | 0.21 |
| 00697> | A116NE | 135.81 | 0.95 | 0.21 |
| 00698> | A116NW | 135.81 | 0.95 | 0.21 |
| 00699> | A117NE | 135.81 | 0.95 | 0.21 |
| 00700> | A119NE | 135.81 | 0.95 | 0.21 |
| 00701> | A119R1 | 135.81 | 0.95 | 0.21 |
| 00702> | A120NW | 135.81 | 0.95 | 0.21 |
| 00703> | A120R1 | 135.81 | 0.95 | 0.21 |
| 00704> | A120R2 | 135.81 | 0.95 | 0.21 |
| 00705> | A200NE | 118.39 | 1 | 0.21 |
| 00706> | A201DV1 | 118.39 | 1 | 0.21 |
| 00707> | A201NE | 118.39 | 1 | 0.21 |
| 00708> | A203NE | 118.39 | 1 | 0.21 |
| 00709> | A500R1 | 135.81 | 0.95 | 0.21 |
| 00710> | A5010HC1 | 135.81 | 0.95 | 0.21 |
| 00711> | A5010R1 | 135.81 | 0.95 | 0.21 |
| 00712> | A501R1 | 135.81 | 0.95 | 0.21 |

| | | | | | | |
|--------|-------------------|--------------|------------|-------------|-----------------|-------------|
| 00713> | A501R2 | 135.81 | 0.95 | 0.21 | | |
| 00714> | A502HC1 | 135.81 | 0.95 | 0.21 | | |
| 00715> | A502HC2 | 135.81 | 0.95 | 0.21 | | |
| 00716> | A502R1 | 135.81 | 0.95 | 0.21 | | |
| 00717> | A502R2 | 135.81 | 0.95 | 0.21 | | |
| 00718> | A502R3 | 135.81 | 0.95 | 0.21 | | |
| 00719> | A503HC1 | 135.81 | 0.95 | 0.21 | | |
| 00720> | A503R1 | 135.81 | 0.95 | 0.21 | | |
| 00721> | A505R1 | 135.81 | 0.95 | 0.21 | | |
| 00722> | A505R2 | 118.39 | 1 | 0.21 | | |
| 00723> | A505R3 | 135.81 | 0.95 | 0.21 | | |
| 00724> | A506R1 | 135.81 | 0.95 | 0.21 | | |
| 00725> | A507R1 | 135.81 | 0.95 | 0.21 | | |
| 00726> | A508R1 | 135.81 | 0.95 | 0.21 | | |
| 00727> | A508R2 | 135.81 | 0.95 | 0.21 | | |
| 00728> | A508R3 | 135.81 | 0.95 | 0.21 | | |
| 00729> | A509R1 | 135.81 | 0.95 | 0.21 | | |
| 00730> | A509R2 | 135.81 | 0.95 | 0.21 | | |
| 00731> | A509R3 | 135.81 | 0.95 | 0.21 | | |
| 00732> | A510WK1 | 135.81 | 0.95 | 0.21 | | |
| 00733> | A802NE | 118.39 | 1 | 0.21 | | |
| 00734> | A805NE | 118.39 | 1 | 0.21 | | |
| 00735> | A805NW | 118.39 | 1 | 0.21 | | |
| 00736> | A805SE | 118.39 | 1 | 0.21 | | |
| 00737> | A806NE | 118.39 | 1 | 0.21 | | |
| 00738> | ABGRD01 | 135.81 | 0.95 | 0.21 | | |
| 00739> | ABGRD02_1 | 135.81 | 0.95 | 0.21 | | |
| 00740> | ABGRD02_2 | 135.81 | 0.95 | 0.21 | | |
| 00741> | ACREEK10 | 135.81 | 0.95 | 0.21 | | |
| 00742> | ACREEK2 | 135.81 | 0.95 | 0.21 | | |
| 00743> | ACREEK3 | 135.81 | 0.95 | 0.21 | | |
| 00744> | ACREEK4 | 135.81 | 0.95 | 0.21 | | |
| 00745> | ACREEK5A | 135.81 | 0.95 | 0.21 | | |
| 00746> | ACREEK5B | 135.81 | 0.95 | 0.21 | | |
| 00747> | ACREEK6A | 135.81 | 0.95 | 0.21 | | |
| 00748> | ACREEK6B | 135.81 | 0.95 | 0.21 | | |
| 00749> | ACREEK7A | 135.81 | 0.95 | 0.21 | | |
| 00750> | ACREEK7B | 135.81 | 0.95 | 0.21 | | |
| 00751> | ACREEK8 | 135.81 | 0.95 | 0.21 | | |
| 00752> | ACREEK9 | 135.81 | 0.95 | 0.21 | | |
| 00753> | ACREEKPK1 | 135.81 | 0.95 | 0.21 | | |
| 00754> | ACREEKPK2 | 135.81 | 0.95 | 0.21 | | |
| 00755> | ACREEKR1 | 118.39 | 1 | 0.21 | | |
| 00756> | ACREEKR4 | 135.81 | 0.95 | 0.21 | | |
| 00757> | ANHS-1 | 118.39 | 1 | 0.21 | | |
| 00758> | ANHS-2 | 118.39 | 1 | 0.21 | | |
| 00759> | ANHS-3 | 118.39 | 1 | 0.21 | | |
| 00760> | ANHS-4 | 118.39 | 1 | 0.21 | | |
| 00761> | ANHS-5 | 118.39 | 1 | 0.21 | | |
| 00762> | AOUT00 | 135.81 | 0.95 | 0.21 | | |
| 00763> | AOUT-E1 | 118.39 | 1 | 0.21 | | |
| 00764> | AOUT-E2 | 118.39 | 1 | 0.21 | | |
| 00765> | AOUT-E3 | 118.39 | 1 | 0.21 | | |
| 00766> | AOUT-N1 | 135.81 | 0.95 | 0.21 | | |
| 00767> | AOUT-N2 | 118.39 | 1 | 0.21 | | |
| 00768> | AOUT-N3 | 135.81 | 0.95 | 0.21 | | |
| 00769> | AOUTNR1 | 135.81 | 0.95 | 0.21 | | |
| 00770> | AOUTSR1 | 135.81 | 0.95 | 0.21 | | |
| 00771> | AOUTSR2 | 135.81 | 0.95 | 0.21 | | |
| 00772> | AOUT-W1 | 118.39 | 1 | 0.21 | | |
| 00773> | AFOND1 | 135.81 | 0.95 | 0.21 | | |
| 00774> | AFONDR1 | 135.81 | 0.95 | 0.21 | | |
| 00775> | AFONDR2 | 135.81 | 0.95 | 0.21 | | |
| 00776> | AFONDR3 | 135.81 | 0.95 | 0.21 | | |
| 00777> | AFONDWK1 | 135.81 | 0.95 | 0.21 | | |
| 00778> | AFONDWK2 | 135.81 | 0.95 | 0.21 | | |
| 00779> | ATURTLE | 50 | 1.2 | 0.2 | | |
| 00780> | | | | | | |
| 00781> | [JUNCTIONS] | | | | | |
| 00782> | ;; | | | | | |
| 00783> | ;;Name | Invert Elev. | Max. Depth | Init. Depth | Surcharge Depth | Ponded Area |
| 00784> | ;;----- | | | | | |
| 00785> | A010DV1-Onsite | 128.266 | 0.75 | 0 | 0 | 1 |
| 00786> | A032SC1-Onsite | 125.852 | 0.75 | 0 | 0 | 1 |
| 00787> | A034SC1-onsite | 126.544 | 0.75 | 0 | 0 | 1 |
| 00788> | A052DV1-Onsite | 128.454 | 0.75 | 0 | 0 | 1 |
| 00789> | A059PK1-Onsite | 128.122 | 0.75 | 0 | 0 | 1 |
| 00790> | A079DV1-Onsite | 126.28 | 0.75 | 0 | 0 | 1 |
| 00791> | A201DV1-Onsite | 130.364 | 0.75 | 0 | 0 | 1 |
| 00792> | ACREEKPK-DrainOut | 125.55 | 0 | 0 | 0 | 0 |
| 00793> | B-Road_Spill | 128.84 | 1 | 0 | 0 | 0 |
| 00794> | B-Road_Spill2 | 130.05 | 1 | 0 | 0 | 0 |
| 00795> | B-Road_Spill3 | 130.05 | 1 | 0 | 0 | 0 |
| 00796> | Enclave_Out | 124 | 11 | 0 | 0 | 0 |
| 00797> | ?22m | | | | | |
| 00798> | J1 | 128.396 | 0.3 | 0 | 0 | 0 |
| 00799> | LID10 | 123.87 | 0.5 | 0 | 0 | 0 |
| 00800> | LID100 | 124.25 | 0.5 | 0 | 0 | 0 |
| 00801> | LID101 | 124.29 | 0.5 | 0 | 0 | 0 |

| | | | | | | |
|--------|--------|---------|------|---|---|---|
| 00802> | LID102 | 124.32 | 0.5 | 0 | 0 | 0 |
| 00803> | LID103 | 124.35 | 0.5 | 0 | 0 | 0 |
| 00804> | LID104 | 123.5 | 0.5 | 0 | 0 | 0 |
| 00805> | LID105 | 122.83 | 0.5 | 0 | 0 | 0 |
| 00806> | LID106 | 121.49 | 0.5 | 0 | 0 | 0 |
| 00807> | LID107 | 121.57 | 0 | 0 | 0 | 0 |
| 00808> | LID108 | 122.59 | 0.5 | 0 | 0 | 0 |
| 00809> | LID109 | 125.2 | 0.5 | 0 | 0 | 0 |
| 00810> | LID11 | 124.52 | 0.5 | 0 | 0 | 0 |
| 00811> | LID110 | 125.23 | 0.5 | 0 | 0 | 0 |
| 00812> | LID111 | 126.02 | 0.5 | 0 | 0 | 0 |
| 00813> | LID112 | 125.5 | 0.5 | 0 | 0 | 0 |
| 00814> | LID114 | 125.09 | 0.5 | 0 | 0 | 0 |
| 00815> | LID12 | 125.3 | 0.5 | 0 | 0 | 0 |
| 00816> | LID13 | 126.22 | 0.5 | 0 | 0 | 0 |
| 00817> | LID14 | 125.94 | 0.5 | 0 | 0 | 0 |
| 00818> | LID16 | 124.67 | 0.5 | 0 | 0 | 0 |
| 00819> | LID17 | 124.52 | 0.5 | 0 | 0 | 0 |
| 00820> | LID18 | 124.24 | 0.5 | 0 | 0 | 0 |
| 00821> | LID19 | 124.08 | 0.5 | 0 | 0 | 0 |
| 00822> | LID2 | 123.84 | 0.5 | 0 | 0 | 0 |
| 00823> | LID20 | 126.32 | 0.5 | 0 | 0 | 0 |
| 00824> | LID21 | 126.57 | 0.5 | 0 | 0 | 0 |
| 00825> | LID22 | 126.5 | 0.5 | 0 | 0 | 0 |
| 00826> | LID23 | 126.08 | 0.5 | 0 | 0 | 0 |
| 00827> | LID24 | 126.11 | 0.5 | 0 | 0 | 0 |
| 00828> | LID25 | 126.25 | 0.5 | 0 | 0 | 0 |
| 00829> | LID26 | 126.18 | 0.5 | 0 | 0 | 0 |
| 00830> | LID27 | 126.07 | 0.5 | 0 | 0 | 0 |
| 00831> | LID28 | 125.88 | 0.5 | 0 | 0 | 0 |
| 00832> | LID29 | 125.83 | 0.5 | 0 | 0 | 0 |
| 00833> | LID3 | 122.55 | 0.5 | 0 | 0 | 0 |
| 00834> | LID30 | 125.77 | 0.5 | 0 | 0 | 0 |
| 00835> | LID31 | 126.13 | 0.5 | 0 | 0 | 0 |
| 00836> | LID32 | 122.89 | 0.5 | 0 | 0 | 0 |
| 00837> | LID33 | 123.08 | 0.5 | 0 | 0 | 0 |
| 00838> | LID34 | 122.72 | 0.5 | 0 | 0 | 0 |
| 00839> | LID35 | 123 | 0.5 | 0 | 0 | 0 |
| 00840> | LID36 | 122.8 | 0.5 | 0 | 0 | 0 |
| 00841> | LID38 | 124.41 | 0.5 | 0 | 0 | 0 |
| 00842> | LID39 | 124.38 | 0.5 | 0 | 0 | 0 |
| 00843> | LID4 | 121.71 | 0.5 | 0 | 0 | 0 |
| 00844> | LID41 | 126.23 | 0.5 | 0 | 0 | 0 |
| 00845> | LID42 | 129.28 | 0.5 | 0 | 0 | 0 |
| 00846> | LID43 | 122.2 | 0.5 | 0 | 0 | 0 |
| 00847> | LID44 | 125.29 | 0.5 | 0 | 0 | 0 |
| 00848> | LID47 | 130.37 | 0.5 | 0 | 0 | 0 |
| 00849> | LID48 | 129.6 | 0.5 | 0 | 0 | 0 |
| 00850> | LID49 | 129.47 | 0.5 | 0 | 0 | 0 |
| 00851> | LID5 | 121.92 | 0.5 | 0 | 0 | 0 |
| 00852> | LID50 | 129.38 | 0.5 | 0 | 0 | 0 |
| 00853> | LID52 | 127.79 | 0.5 | 0 | 0 | 0 |
| 00854> | LID53 | 126.9 | 0.5 | 0 | 0 | 0 |
| 00855> | LID54 | 128.29 | 0.5 | 0 | 0 | 0 |
| 00856> | LID55 | 129.22 | 0.5 | 0 | 0 | 0 |
| 00857> | LID56 | 128.42 | 0.5 | 0 | 0 | 0 |
| 00858> | LID57 | 127.92 | 0.5 | 0 | 0 | 0 |
| 00859> | LID58 | 127.03 | 0.5 | 0 | 0 | 0 |
| 00860> | LID59 | 126.65 | 0.5 | 0 | 0 | 0 |
| 00861> | LID60 | 126.5 | 0.5 | 0 | 0 | 0 |
| 00862> | LID61 | 129.39 | 0.5 | 0 | 0 | 0 |
| 00863> | LID62 | 125.13 | 0.5 | 0 | 0 | 0 |
| 00864> | LID64 | 125.67 | 0.5 | 0 | 0 | 0 |
| 00865> | LID66 | 124.98 | 0.5 | 0 | 0 | 0 |
| 00866> | LID67 | 125.15 | 0.5 | 0 | 0 | 0 |
| 00867> | LID7 | 122.76 | 0.5 | 0 | 0 | 0 |
| 00868> | LID70 | 126.58 | 0.5 | 0 | 0 | 0 |
| 00869> | LID73 | 125.3 | 0.75 | 0 | 0 | 0 |
| 00870> | LID77 | 123.96 | 0.5 | 0 | 0 | 0 |
| 00871> | LID78 | 123.85 | 0.5 | 0 | 0 | 0 |
| 00872> | LID79 | 123.78 | 0.5 | 0 | 0 | 0 |
| 00873> | LID8 | 123.68 | 0.5 | 0 | 0 | 0 |
| 00874> | LID80 | 123.71 | 0.5 | 0 | 0 | 0 |
| 00875> | LID81 | 123.97 | 0.5 | 0 | 0 | 0 |
| 00876> | LID82 | 123.91 | 0.5 | 0 | 0 | 0 |
| 00877> | LID84 | 124.01 | 0.5 | 0 | 0 | 0 |
| 00878> | LID85 | 125.86 | 0.5 | 0 | 0 | 0 |
| 00879> | LID88 | 122.26 | 0.5 | 0 | 0 | 0 |
| 00880> | LID89 | 121.81 | 0.5 | 0 | 0 | 0 |
| 00881> | LID9 | 123.77 | 0.5 | 0 | 0 | 0 |
| 00882> | LID90 | 123.47 | 0.5 | 0 | 0 | 0 |
| 00883> | LID93 | 125.75 | 0.5 | 0 | 0 | 0 |
| 00884> | LID95 | 126.27 | 0.5 | 0 | 0 | 0 |
| 00885> | LID96 | 125.37 | 0.75 | 0 | 0 | 0 |
| 00886> | ;17m | | | | | |
| 00887> | Maj-0 | 123.802 | 1 | 0 | 0 | 0 |
| 00888> | ;20m | | | | | |
| 00889> | Maj-1 | 123.902 | 0.3 | 0 | 0 | 0 |
| 00890> | ;24m | | | | | |

| | | | | | | |
|--------|---------|---------|-----|---|---|---|
| 00891> | Maj-10 | 124.566 | 0.3 | 0 | 0 | 0 |
| 00892> | ;17m | | | | | |
| 00893> | Maj-100 | 125.698 | 0.3 | 0 | 0 | 0 |
| 00894> | ;17m | | | | | |
| 00895> | Maj-101 | 125.752 | 0.3 | 0 | 0 | 0 |
| 00896> | ;19m | | | | | |
| 00897> | Maj-102 | 125.787 | 0.3 | 0 | 0 | 0 |
| 00898> | ;19m | | | | | |
| 00899> | Maj-103 | 125.791 | 0.3 | 0 | 0 | 0 |
| 00900> | ;19m | | | | | |
| 00901> | Maj-104 | 125.814 | 0.3 | 0 | 0 | 0 |
| 00902> | ;17m | | | | | |
| 00903> | Maj-105 | 125.814 | 0.3 | 0 | 0 | 0 |
| 00904> | ;19m | | | | | |
| 00905> | Maj-106 | 125.87 | 0.3 | 0 | 0 | 0 |
| 00906> | ;17m | | | | | |
| 00907> | Maj-107 | 125.848 | 0.3 | 0 | 0 | 0 |
| 00908> | ;17m | | | | | |
| 00909> | Maj-108 | 125.852 | 0.3 | 0 | 0 | 0 |
| 00910> | ;17m | | | | | |
| 00911> | Maj-109 | 125.852 | 0.3 | 0 | 0 | 0 |
| 00912> | ;24m | | | | | |
| 00913> | Maj-11 | 124.657 | 0.3 | 0 | 0 | 0 |
| 00914> | ;17m | | | | | |
| 00915> | Maj-110 | 125.856 | 0.3 | 0 | 0 | 0 |
| 00916> | ;17m | | | | | |
| 00917> | Maj-111 | 125.876 | 0.3 | 0 | 0 | 0 |
| 00918> | ;19m | | | | | |
| 00919> | Maj-112 | 125.934 | 0.3 | 0 | 0 | 0 |
| 00920> | ;17m | | | | | |
| 00921> | Maj-113 | 125.914 | 0.3 | 0 | 0 | 0 |
| 00922> | ;17m | | | | | |
| 00923> | Maj-114 | 125.92 | 0.3 | 0 | 0 | 0 |
| 00924> | ;17m | | | | | |
| 00925> | Maj-115 | 125.952 | 0.3 | 0 | 0 | 0 |
| 00926> | ;17m | | | | | |
| 00927> | Maj-116 | 125.968 | 0.3 | 0 | 0 | 0 |
| 00928> | ;17m | | | | | |
| 00929> | Maj-117 | 125.978 | 0.3 | 0 | 0 | 0 |
| 00930> | ;17m | | | | | |
| 00931> | Maj-118 | 125.998 | 0.3 | 0 | 0 | 0 |
| 00932> | ;16m | | | | | |
| 00933> | Maj-119 | 126.012 | 0.3 | 0 | 0 | 0 |
| 00934> | ;24m | | | | | |
| 00935> | Maj-12 | 124.706 | 0.3 | 0 | 0 | 0 |
| 00936> | ;17m | | | | | |
| 00937> | Maj-120 | 126.038 | 0.3 | 0 | 0 | 0 |
| 00938> | ;19m | | | | | |
| 00939> | Maj-121 | 126.08 | 0.3 | 0 | 0 | 0 |
| 00940> | ;17m | | | | | |
| 00941> | Maj-122 | 126.048 | 0.3 | 0 | 0 | 0 |
| 00942> | ;17m | | | | | |
| 00943> | Maj-123 | 126.104 | 0.3 | 0 | 0 | 0 |
| 00944> | ;17m | | | | | |
| 00945> | Maj-124 | 126.106 | 0.3 | 0 | 0 | 0 |
| 00946> | ;17m | | | | | |
| 00947> | Maj-125 | 126.12 | 0.3 | 0 | 0 | 0 |
| 00948> | ;16m | | | | | |
| 00949> | Maj-126 | 126.146 | 0.3 | 0 | 0 | 0 |
| 00950> | ;19m | | | | | |
| 00951> | Maj-127 | 126.173 | 0.3 | 0 | 0 | 0 |
| 00952> | ;17m | | | | | |
| 00953> | Maj-128 | 126.152 | 0.3 | 0 | 0 | 0 |
| 00954> | ;19m | | | | | |
| 00955> | Maj-129 | 126.209 | 0.3 | 0 | 0 | 0 |
| 00956> | ;17m | | | | | |
| 00957> | Maj-13 | 124.694 | 0.3 | 0 | 0 | 0 |
| 00958> | ;17m | | | | | |
| 00959> | Maj-130 | 126.18 | 0.3 | 0 | 0 | 0 |
| 00960> | ;17m | | | | | |
| 00961> | Maj-131 | 126.208 | 0.3 | 0 | 0 | 0 |
| 00962> | ;17m | | | | | |
| 00963> | Maj-132 | 126.222 | 0.3 | 0 | 0 | 0 |
| 00964> | ;16m | | | | | |
| 00965> | Maj-133 | 126.246 | 0.3 | 0 | 0 | 0 |
| 00966> | ;17m | | | | | |
| 00967> | Maj-134 | 126.266 | 0.3 | 0 | 0 | 0 |
| 00968> | ;17m | | | | | |
| 00969> | Maj-135 | 126.266 | 0.3 | 0 | 0 | 0 |
| 00970> | ;17m | | | | | |
| 00971> | Maj-136 | 126.266 | 0.3 | 0 | 0 | 0 |
| 00972> | ;19m | | | | | |
| 00973> | Maj-137 | 126.309 | 0.3 | 0 | 0 | 0 |
| 00974> | ;16m | | | | | |
| 00975> | Maj-138 | 126.346 | 0.3 | 0 | 0 | 0 |
| 00976> | ;17m | | | | | |
| 00977> | Maj-139 | 126.334 | 0.3 | 0 | 0 | 0 |
| 00978> | ;19m | | | | | |
| 00979> | Maj-14 | 124.743 | 0.3 | 0 | 0 | 0 |

| | | | | | | |
|--------|-----------|---------|-----|---|---|---|
| 00980> | ;19m | | | | | |
| 00981> | Maj-140 | 126.387 | 0.3 | 0 | 0 | 0 |
| 00982> | ;17m | | | | | |
| 00983> | Maj-141 | 126.372 | 0.3 | 0 | 0 | 0 |
| 00984> | ;19m | | | | | |
| 00985> | Maj-142 | 126.409 | 0.3 | 0 | 0 | 0 |
| 00986> | ;17m | | | | | |
| 00987> | Maj-143 | 126.378 | 0.3 | 0 | 0 | 0 |
| 00988> | ;17m | | | | | |
| 00989> | Maj-144 | 126.382 | 0.3 | 0 | 0 | 0 |
| 00990> | ;16m | | | | | |
| 00991> | Maj-145 | 126.446 | 0.3 | 0 | 0 | 0 |
| 00992> | ;17m | | | | | |
| 00993> | Maj-146 | 126.43 | 0.3 | 0 | 0 | 0 |
| 00994> | ;17m | | | | | |
| 00995> | Maj-147 | 126.448 | 0.3 | 0 | 0 | 0 |
| 00996> | ;17m | | | | | |
| 00997> | Maj-148 | 126.456 | 0.3 | 0 | 0 | 0 |
| 00998> | ;17m | | | | | |
| 00999> | Maj-149 | 126.466 | 0.3 | 0 | 0 | 0 |
| 01000> | ;24m | | | | | |
| 01001> | Maj-15 | 124.747 | 0.3 | 0 | 0 | 0 |
| 01002> | ;17m | | | | | |
| 01003> | Maj-150 | 126.468 | 0.3 | 0 | 0 | 0 |
| 01004> | ;17m | | | | | |
| 01005> | Maj-151 | 126.486 | 0.3 | 0 | 0 | 0 |
| 01006> | ;19m | | | | | |
| 01007> | Maj-152 | 126.53 | 0.3 | 0 | 0 | 0 |
| 01008> | ;17m | | | | | |
| 01009> | Maj-153 | 126.54 | 0.3 | 0 | 0 | 0 |
| 01010> | ;16m | | | | | |
| 01011> | Maj-154 | 126.58 | 0.3 | 0 | 0 | 0 |
| 01012> | ;17m | | | | | |
| 01013> | Maj-155 | 126.582 | 0.3 | 0 | 0 | 0 |
| 01014> | ;17m | | | | | |
| 01015> | Maj-156 | 126.59 | 0.3 | 0 | 0 | 0 |
| 01016> | ;17m | | | | | |
| 01017> | Maj-157 | 126.592 | 0.3 | 0 | 0 | 0 |
| 01018> | ;19m | | | | | |
| 01019> | Maj-158 | 126.642 | 0.3 | 0 | 0 | 0 |
| 01020> | ;17m | | | | | |
| 01021> | Maj-159 | 126.626 | 0.3 | 0 | 0 | 0 |
| 01022> | ;24m | | | | | |
| 01023> | Maj-16 | 124.806 | 0.3 | 0 | 0 | 0 |
| 01024> | ;17m | | | | | |
| 01025> | Maj-160 | 126.65 | 0.3 | 0 | 0 | 0 |
| 01026> | ;17m | | | | | |
| 01027> | Maj-161 | 126.686 | 0.3 | 0 | 0 | 0 |
| 01028> | ;17m | | | | | |
| 01029> | Maj-162 | 126.698 | 0.3 | 0 | 0 | 0 |
| 01030> | ;19m | | | | | |
| 01031> | Maj-163 | 126.744 | 0.3 | 0 | 0 | 0 |
| 01032> | ;19m | | | | | |
| 01033> | Maj-164 | 126.785 | 0.3 | 0 | 0 | 0 |
| 01034> | ;17m | | | | | |
| 01035> | Maj-165 | 126.758 | 0.3 | 0 | 0 | 0 |
| 01036> | ;17m | | | | | |
| 01037> | Maj-166 | 126.786 | 0.3 | 0 | 0 | 0 |
| 01038> | ;17m | | | | | |
| 01039> | Maj-167 | 126.79 | 0.3 | 0 | 0 | 0 |
| 01040> | ;17m | | | | | |
| 01041> | Maj-167_1 | 126.6 | 0.3 | 0 | 0 | 0 |
| 01042> | ;17m | | | | | |
| 01043> | Maj-168 | 126.816 | 0.3 | 0 | 0 | 0 |
| 01044> | ;17m | | | | | |
| 01045> | Maj-169 | 126.824 | 0.3 | 0 | 0 | 0 |
| 01046> | ;24m | | | | | |
| 01047> | Maj-17 | 124.812 | 0.3 | 0 | 0 | 0 |
| 01048> | ;17m | | | | | |
| 01049> | Maj-170 | 126.838 | 0.3 | 0 | 0 | 0 |
| 01050> | ;17m | | | | | |
| 01051> | Maj-171 | 126.844 | 0.3 | 0 | 0 | 0 |
| 01052> | ;17m | | | | | |
| 01053> | Maj-172 | 126.922 | 0.3 | 0 | 0 | 0 |
| 01054> | ;19m | | | | | |
| 01055> | Maj-173 | 126.955 | 0.3 | 0 | 0 | 0 |
| 01056> | ;17m | | | | | |
| 01057> | Maj-174 | 126.924 | 0.3 | 0 | 0 | 0 |
| 01058> | ;17m | | | | | |
| 01059> | Maj-174_1 | 126.81 | 0.3 | 0 | 0 | 0 |
| 01060> | ;22m | | | | | |
| 01061> | Maj-175 | 126.954 | 0.3 | 0 | 0 | 0 |
| 01062> | ;17m | | | | | |
| 01063> | Maj-176 | 126.968 | 0.3 | 0 | 0 | 0 |
| 01064> | ;17m | | | | | |
| 01065> | Maj-177 | 126.978 | 0.3 | 0 | 0 | 0 |
| 01066> | ;17m | | | | | |
| 01067> | Maj-178 | 126.98 | 0.3 | 0 | 0 | 0 |
| 01068> | ;17m | | | | | |

| | | | | | | |
|--------|-----------|---------|-----|---|---|---|
| 01069> | Maj-179 | 127.022 | 0.3 | 0 | 0 | 0 |
| 01070> | ;17m | | | | | |
| 01071> | Maj-18 | 124.8 | 0.3 | 0 | 0 | 0 |
| 01072> | ;17m | | | | | |
| 01073> | Maj-180 | 127.042 | 0.3 | 0 | 0 | 0 |
| 01074> | ;17m | | | | | |
| 01075> | Maj-181 | 127.084 | 0.3 | 0 | 0 | 0 |
| 01076> | ;17m | | | | | |
| 01077> | Maj-182 | 127.092 | 0.3 | 0 | 0 | 0 |
| 01078> | ;17m | | | | | |
| 01079> | Maj-183 | 127.116 | 0.3 | 0 | 0 | 0 |
| 01080> | ;17m | | | | | |
| 01081> | Maj-184 | 127.122 | 0.3 | 0 | 0 | 0 |
| 01082> | ;17m | | | | | |
| 01083> | Maj-185 | 127.142 | 0.3 | 0 | 0 | 0 |
| 01084> | ;17m | | | | | |
| 01085> | Maj-186 | 127.168 | 0.3 | 0 | 0 | 0 |
| 01086> | ;22m | | | | | |
| 01087> | Maj-187 | 127.194 | 0.3 | 0 | 0 | 0 |
| 01088> | ;17m | | | | | |
| 01089> | Maj-188 | 127.192 | 0.3 | 0 | 0 | 0 |
| 01090> | ;17m | | | | | |
| 01091> | Maj-189 | 127.202 | 0.3 | 0 | 0 | 0 |
| 01092> | ;17m | | | | | |
| 01093> | Maj-19 | 124.808 | 0.3 | 0 | 0 | 0 |
| 01094> | ;17m | | | | | |
| 01095> | Maj-190 | 127.222 | 0.3 | 0 | 0 | 0 |
| 01096> | ;17m | | | | | |
| 01097> | Maj-191 | 127.23 | 0.3 | 0 | 0 | 0 |
| 01098> | ;19m | | | | | |
| 01099> | Maj-192 | 127.262 | 0.3 | 0 | 0 | 0 |
| 01100> | ;17m | | | | | |
| 01101> | Maj-193 | 127.282 | 0.3 | 0 | 0 | 0 |
| 01102> | ;17m | | | | | |
| 01103> | Maj-194 | 127.31 | 0.3 | 0 | 0 | 0 |
| 01104> | ;16m | | | | | |
| 01105> | Maj-195 | 127.356 | 0.5 | 0 | 0 | 0 |
| 01106> | ;17m | | | | | |
| 01107> | Maj-196 | 127.342 | 0.3 | 0 | 0 | 0 |
| 01108> | ;16m | | | | | |
| 01109> | Maj-197 | 127.404 | 0.3 | 0 | 0 | 0 |
| 01110> | ;17m | | | | | |
| 01111> | Maj-198 | 127.39 | 0.5 | 0 | 0 | 0 |
| 01112> | ;17m | | | | | |
| 01113> | Maj-199 | 127.4 | 0.3 | 0 | 0 | 0 |
| 01114> | ;20m | | | | | |
| 01115> | Maj-2 | 124.008 | 0.3 | 0 | 0 | 0 |
| 01116> | ;17m | | | | | |
| 01117> | Maj-20 | 124.812 | 0.3 | 0 | 0 | 0 |
| 01118> | ;17m | | | | | |
| 01119> | Maj-200 | 127.422 | 0.3 | 0 | 0 | 0 |
| 01120> | ;17m | | | | | |
| 01121> | Maj-201 | 127.532 | 0.3 | 0 | 0 | 0 |
| 01122> | ;17m | | | | | |
| 01123> | Maj-201_1 | 127.302 | 0.3 | 0 | 0 | 0 |
| 01124> | ;17m | | | | | |
| 01125> | Maj-202 | 127.584 | 0.3 | 0 | 0 | 0 |
| 01126> | ;16m | | | | | |
| 01127> | Maj-203 | 127.626 | 0.3 | 0 | 0 | 0 |
| 01128> | ;22m | | | | | |
| 01129> | Maj-204 | 127.695 | 0.3 | 0 | 0 | 0 |
| 01130> | ;17m | | | | | |
| 01131> | Maj-205 | 127.742 | 0.3 | 0 | 0 | 0 |
| 01132> | ;17m | | | | | |
| 01133> | Maj-206 | 127.788 | 0.3 | 0 | 0 | 0 |
| 01134> | ;17m | | | | | |
| 01135> | Maj-206_1 | 127.992 | 0.3 | 0 | 0 | 0 |
| 01136> | ;16m | | | | | |
| 01137> | Maj-207 | 127.82 | 0.3 | 0 | 0 | 0 |
| 01138> | ;19m | | | | | |
| 01139> | Maj-208 | 127.921 | 0.3 | 0 | 0 | 0 |
| 01140> | ;17m | | | | | |
| 01141> | Maj-209 | 127.98 | 0.3 | 0 | 0 | 0 |
| 01142> | ;24m | | | | | |
| 01143> | Maj-21 | 124.853 | 0.3 | 0 | 0 | 0 |
| 01144> | ;16m | | | | | |
| 01145> | Maj-210 | 128.104 | 0.3 | 0 | 0 | 0 |
| 01146> | ;16m | | | | | |
| 01147> | Maj-211 | 128.14 | 0.3 | 0 | 0 | 0 |
| 01148> | ;17m | | | | | |
| 01149> | Maj-212 | 128.142 | 0.3 | 0 | 0 | 0 |
| 01150> | ;17m | | | | | |
| 01151> | Maj-213 | 128.164 | 0.3 | 0 | 0 | 0 |
| 01152> | ;17m | | | | | |
| 01153> | Maj-214 | 128.17 | 0.3 | 0 | 0 | 0 |
| 01154> | ;17m | | | | | |
| 01155> | Maj-216 | 128.266 | 0.3 | 0 | 0 | 0 |
| 01156> | ;17m | | | | | |
| 01157> | Maj-217 | 128.268 | 0.3 | 0 | 0 | 0 |

| | | | | | | |
|--------|---------|---------|-------|---|---|---|
| 01158> | ;16m | | | | | |
| 01159> | Maj-218 | 128.306 | 0.3 | 0 | 0 | 0 |
| 01160> | ;19m | | | | | |
| 01161> | Maj-219 | 128.343 | 0.3 | 0 | 0 | 0 |
| 01162> | ;24m | | | | | |
| 01163> | Maj-22 | 124.858 | 0.3 | 0 | 0 | 0 |
| 01164> | ;22m | | | | | |
| 01165> | Maj-220 | 128.397 | 0.3 | 0 | 0 | 0 |
| 01166> | ;17m | | | | | |
| 01167> | Maj-221 | 128.422 | 0.3 | 0 | 0 | 0 |
| 01168> | ;17m | | | | | |
| 01169> | Maj-222 | 128.44 | 0.3 | 0 | 0 | 0 |
| 01170> | ;22m | | | | | |
| 01171> | Maj-223 | 128.479 | 0.3 | 0 | 0 | 0 |
| 01172> | ;17m | | | | | |
| 01173> | Maj-224 | 128.532 | 0.3 | 0 | 0 | 0 |
| 01174> | ;17m | | | | | |
| 01175> | Maj-225 | 128.554 | 0.3 | 0 | 0 | 0 |
| 01176> | ;16m | | | | | |
| 01177> | Maj-226 | 128.685 | 0.3 | 0 | 0 | 0 |
| 01178> | ;17m | | | | | |
| 01179> | Maj-227 | 128.73 | 0.3 | 0 | 0 | 0 |
| 01180> | ;17m | | | | | |
| 01181> | Maj-228 | 128.754 | 0.3 | 0 | 0 | 0 |
| 01182> | ;22m | | | | | |
| 01183> | Maj-229 | 128.76 | 0.3 | 0 | 0 | 0 |
| 01184> | ;17m | | | | | |
| 01185> | Maj-23 | 124.872 | 0.3 | 0 | 0 | 0 |
| 01186> | ;16m | | | | | |
| 01187> | Maj-230 | 128.828 | 0.3 | 0 | 0 | 0 |
| 01188> | ;17m | | | | | |
| 01189> | Maj-231 | 128.904 | 0.3 | 0 | 0 | 0 |
| 01190> | ;17m | | | | | |
| 01191> | Maj-233 | 129.036 | 0.3 | 0 | 0 | 0 |
| 01192> | ;17m | | | | | |
| 01193> | Maj-234 | 129.1 | 0.3 | 0 | 0 | 0 |
| 01194> | ;17m | | | | | |
| 01195> | Maj-235 | 129.113 | 0.3 | 0 | 0 | 0 |
| 01196> | ;17m | | | | | |
| 01197> | Maj-236 | 129.2 | 0.3 | 0 | 0 | 0 |
| 01198> | ;22m | | | | | |
| 01199> | Maj-237 | 129.242 | 0.3 | 0 | 0 | 0 |
| 01200> | ;17m | | | | | |
| 01201> | Maj-238 | 129.264 | 0.3 | 0 | 0 | 0 |
| 01202> | ;17m | | | | | |
| 01203> | Maj-239 | 129.316 | 0.3 | 0 | 0 | 0 |
| 01204> | ;19m | | | | | |
| 01205> | Maj-24 | 124.907 | 0.3 | 0 | 0 | 0 |
| 01206> | ;17m | | | | | |
| 01207> | Maj-240 | 129.318 | 0.3 | 0 | 0 | 0 |
| 01208> | ;17m | | | | | |
| 01209> | Maj-241 | 129.387 | 0.3 | 0 | 0 | 0 |
| 01210> | ;22m | | | | | |
| 01211> | Maj-242 | 129.452 | 0.3 | 0 | 0 | 0 |
| 01212> | ;17m | | | | | |
| 01213> | Maj-243 | 129.472 | 0.3 | 0 | 0 | 0 |
| 01214> | ;17m | | | | | |
| 01215> | Maj-244 | 129.48 | 0.3 | 0 | 0 | 0 |
| 01216> | ;17m | | | | | |
| 01217> | Maj-245 | 129.536 | 0.3 | 0 | 0 | 0 |
| 01218> | ;17m | | | | | |
| 01219> | Maj-246 | 129.544 | 0.3 | 0 | 0 | 0 |
| 01220> | ;17m | | | | | |
| 01221> | Maj-247 | 129.6 | 0.3 | 0 | 0 | 0 |
| 01222> | ;17m | | | | | |
| 01223> | Maj-248 | 129.764 | 0.3 | 0 | 0 | 0 |
| 01224> | ;17m | | | | | |
| 01225> | Maj-249 | 130.01 | 0.3 | 0 | 0 | 0 |
| 01226> | ;19m | | | | | |
| 01227> | Maj-25 | 124.943 | 0.3 | 0 | 0 | 0 |
| 01228> | ;17m | | | | | |
| 01229> | Maj-250 | 130.014 | 0.3 | 0 | 0 | 0 |
| 01230> | ;17m | | | | | |
| 01231> | Maj-251 | 130.086 | 0.3 | 0 | 0 | 0 |
| 01232> | ;17m | | | | | |
| 01233> | Maj-252 | 130.1 | 0.3 | 0 | 0 | 0 |
| 01234> | ;17m | | | | | |
| 01235> | Maj-253 | 130.258 | 0.299 | 0 | 0 | 0 |
| 01236> | ;11m | | | | | |
| 01237> | Maj-255 | 130.252 | 0.3 | 0 | 0 | 0 |
| 01238> | ;17m | | | | | |
| 01239> | Maj-256 | 130.191 | 0.3 | 0 | 0 | 0 |
| 01240> | ;11m | | | | | |
| 01241> | Maj-257 | 130.291 | 0.3 | 0 | 0 | 0 |
| 01242> | ;11m | | | | | |
| 01243> | Maj-258 | 130.314 | 0.3 | 0 | 0 | 0 |
| 01244> | ;17m | | | | | |
| 01245> | Maj-259 | 130.315 | 0.3 | 0 | 0 | 0 |
| 01246> | ;17m | | | | | |

| | | | | | | |
|--------|---------|---------|-------|---|---|---|
| 01247> | Maj-26 | 124.922 | 0.3 | 0 | 0 | 0 |
| 01248> | ;17m | | | | | |
| 01249> | Maj-260 | 130.327 | 0.3 | 0 | 0 | 0 |
| 01250> | ;17m | | | | | |
| 01251> | Maj-261 | 130.338 | 0.3 | 0 | 0 | 0 |
| 01252> | ;17m | | | | | |
| 01253> | Maj-262 | 130.344 | 0.3 | 0 | 0 | 0 |
| 01254> | ;17m | | | | | |
| 01255> | Maj-263 | 130.352 | 0.3 | 0 | 0 | 0 |
| 01256> | ;11m | | | | | |
| 01257> | Maj-264 | 130.437 | 0.3 | 0 | 0 | 0 |
| 01258> | ;17m | | | | | |
| 01259> | Maj-266 | 130.671 | 0.201 | 0 | 0 | 1 |
| 01260> | ;17m | | | | | |
| 01261> | Maj-267 | 130.381 | 0.3 | 0 | 0 | 0 |
| 01262> | ;17m | | | | | |
| 01263> | Maj-268 | 130.432 | 0.3 | 0 | 0 | 0 |
| 01264> | ;17m | | | | | |
| 01265> | Maj-269 | 130.571 | 0.3 | 0 | 0 | 0 |
| 01266> | ;24m | | | | | |
| 01267> | Maj-27 | 124.98 | 0.3 | 0 | 0 | 0 |
| 01268> | ;17m | | | | | |
| 01269> | Maj-270 | 130.664 | 0.3 | 0 | 0 | 0 |
| 01270> | ;17m | | | | | |
| 01271> | Maj-271 | 130.478 | 0.3 | 0 | 0 | 0 |
| 01272> | ;17m | | | | | |
| 01273> | Maj-272 | 130.643 | 0.3 | 0 | 0 | 0 |
| 01274> | ;17m | | | | | |
| 01275> | Maj-273 | 130.564 | 0.3 | 0 | 0 | 0 |
| 01276> | ;17m | | | | | |
| 01277> | Maj-274 | 130.743 | 0.3 | 0 | 0 | 0 |
| 01278> | ;17m | | | | | |
| 01279> | Maj-275 | 130.822 | 0.3 | 0 | 0 | 0 |
| 01280> | ;16m | | | | | |
| 01281> | Maj-276 | 128.506 | 0.3 | 0 | 0 | 0 |
| 01282> | ;24m | | | | | |
| 01283> | Maj-277 | 124.305 | 0.3 | 0 | 0 | 0 |
| 01284> | ;17m | | | | | |
| 01285> | Maj-278 | 130.202 | 0.3 | 0 | 0 | 0 |
| 01286> | ;17m | | | | | |
| 01287> | Maj-279 | 128.544 | 0.3 | 0 | 0 | 0 |
| 01288> | ;24m | | | | | |
| 01289> | Maj-28 | 124.988 | 0.3 | 0 | 0 | 0 |
| 01290> | ;19m | | | | | |
| 01291> | Maj-29 | 125.006 | 0.3 | 0 | 0 | 0 |
| 01292> | ;20m | | | | | |
| 01293> | Maj-3 | 124.11 | 0.3 | 0 | 0 | 0 |
| 01294> | ;19m | | | | | |
| 01295> | Maj-30 | 125.012 | 0.3 | 0 | 0 | 0 |
| 01296> | Maj-301 | 130.51 | 0.3 | 0 | 0 | 0 |
| 01297> | Maj-302 | 129.479 | 0.3 | 0 | 0 | 0 |
| 01298> | Maj-303 | 130.127 | 0.3 | 0 | 0 | 0 |
| 01299> | Maj-304 | 129.727 | 0.3 | 0 | 0 | 0 |
| 01300> | Maj-305 | 129.588 | 0.3 | 0 | 0 | 0 |
| 01301> | Maj-306 | 130.636 | 0.3 | 0 | 0 | 0 |
| 01302> | Maj-307 | 130.576 | 0.3 | 0 | 0 | 0 |
| 01303> | Maj-308 | 130.453 | 0.3 | 0 | 0 | 0 |
| 01304> | Maj-309 | 129.77 | 0.3 | 0 | 0 | 0 |
| 01305> | ;17m | | | | | |
| 01306> | Maj-31 | 124.986 | 0.3 | 0 | 0 | 0 |
| 01307> | Maj-310 | 129.964 | 0.3 | 0 | 0 | 0 |
| 01308> | Maj-311 | 130.288 | 0.3 | 0 | 0 | 0 |
| 01309> | Maj-312 | 129.889 | 0.3 | 0 | 0 | 0 |
| 01310> | Maj-313 | 129.866 | 0.3 | 0 | 0 | 0 |
| 01311> | Maj-314 | 130.088 | 0.3 | 0 | 0 | 0 |
| 01312> | ;17m | | | | | |
| 01313> | Maj-32 | 125.002 | 0.3 | 0 | 0 | 0 |
| 01314> | ;24m | | | | | |
| 01315> | Maj-33 | 125.053 | 0.3 | 0 | 0 | 0 |
| 01316> | ;24m | | | | | |
| 01317> | Maj-34 | 125.055 | 0.3 | 0 | 0 | 0 |
| 01318> | ;17m | | | | | |
| 01319> | Maj-35 | 125.024 | 0.3 | 0 | 0 | 0 |
| 01320> | ;17m | | | | | |
| 01321> | Maj-36 | 125.024 | 0.3 | 0 | 0 | 0 |
| 01322> | ;19m | | | | | |
| 01323> | Maj-37 | 125.078 | 0.3 | 0 | 0 | 0 |
| 01324> | ;17m | | | | | |
| 01325> | Maj-38 | 125.048 | 0.3 | 0 | 0 | 0 |
| 01326> | ;17m | | | | | |
| 01327> | Maj-39 | 125.074 | 0.3 | 0 | 0 | 0 |
| 01328> | ;20m | | | | | |
| 01329> | Maj-4 | 124.224 | 0.3 | 0 | 0 | 0 |
| 01330> | ;19m | | | | | |
| 01331> | Maj-40 | 125.106 | 0.3 | 0 | 0 | 0 |
| 01332> | ;17m | | | | | |
| 01333> | Maj-41 | 125.084 | 0.3 | 0 | 0 | 0 |
| 01334> | ;17m | | | | | |
| 01335> | Maj-42 | 125.086 | 0.3 | 0 | 0 | 0 |

| | | | | | | |
|--------|--------|---------|-------|---|---|---|
| 01336> | ;17m | | | | | |
| 01337> | Maj-43 | 125.214 | 0.186 | 0 | 0 | 0 |
| 01338> | ;19m | | | | | |
| 01339> | Maj-44 | 125.143 | 0.3 | 0 | 0 | 0 |
| 01340> | ;17m | | | | | |
| 01341> | Maj-45 | 125.14 | 0.3 | 0 | 0 | 0 |
| 01342> | ;19m | | | | | |
| 01343> | Maj-46 | 125.206 | 0.3 | 0 | 0 | 0 |
| 01344> | ;17m | | | | | |
| 01345> | Maj-47 | 125.186 | 0.3 | 0 | 0 | 0 |
| 01346> | ;17m | | | | | |
| 01347> | Maj-48 | 125.196 | 0.3 | 0 | 0 | 0 |
| 01348> | ;17m | | | | | |
| 01349> | Maj-49 | 125.116 | 0.38 | 0 | 0 | 0 |
| 01350> | ;17m | | | | | |
| 01351> | Maj-5 | 124.234 | 0.3 | 0 | 0 | 0 |
| 01352> | ;17m | | | | | |
| 01353> | Maj-50 | 125.196 | 0.5 | 0 | 0 | 0 |
| 01354> | ;17m | | | | | |
| 01355> | Maj-51 | 125.202 | 0.3 | 0 | 0 | 0 |
| 01356> | ;17m | | | | | |
| 01357> | Maj-52 | 125.208 | 0.3 | 0 | 0 | 0 |
| 01358> | ;24m | | | | | |
| 01359> | Maj-53 | 125.254 | 0.3 | 0 | 0 | 0 |
| 01360> | ;17m | | | | | |
| 01361> | Maj-54 | 125.228 | 0.3 | 0 | 0 | 0 |
| 01362> | ;19m | | | | | |
| 01363> | Maj-55 | 125.263 | 0.3 | 0 | 0 | 0 |
| 01364> | ;19m | | | | | |
| 01365> | Maj-56 | 125.268 | 0.3 | 0 | 0 | 0 |
| 01366> | ;17m | | | | | |
| 01367> | Maj-57 | 125.24 | 0.3 | 0 | 0 | 0 |
| 01368> | ;19m | | | | | |
| 01369> | Maj-58 | 125.306 | 0.3 | 0 | 0 | 0 |
| 01370> | ;16m | | | | | |
| 01371> | Maj-59 | 125.292 | 0.3 | 0 | 0 | 0 |
| 01372> | ;24m | | | | | |
| 01373> | Maj-6 | 124.405 | 0.3 | 0 | 0 | 0 |
| 01374> | ;17m | | | | | |
| 01375> | Maj-60 | 125.286 | 0.3 | 0 | 0 | 0 |
| 01376> | ;17m | | | | | |
| 01377> | Maj-61 | 125.292 | 0.3 | 0 | 0 | 0 |
| 01378> | ;17m | | | | | |
| 01379> | Maj-62 | 125.296 | 0.3 | 0 | 0 | 0 |
| 01380> | ;17m | | | | | |
| 01381> | Maj-63 | 125.306 | 0.3 | 0 | 0 | 0 |
| 01382> | ;17m | | | | | |
| 01383> | Maj-64 | 125.334 | 0.3 | 0 | 0 | 0 |
| 01384> | ;17m | | | | | |
| 01385> | Maj-65 | 125.34 | 0.3 | 0 | 0 | 0 |
| 01386> | ;24m | | | | | |
| 01387> | Maj-66 | 125.373 | 0.3 | 0 | 0 | 0 |
| 01388> | ;17m | | | | | |
| 01389> | Maj-67 | 125.342 | 0.3 | 0 | 0 | 0 |
| 01390> | ;17m | | | | | |
| 01391> | Maj-68 | 125.344 | 0.3 | 0 | 0 | 0 |
| 01392> | ;17m | | | | | |
| 01393> | Maj-69 | 125.352 | 0.3 | 0 | 0 | 0 |
| 01394> | ;24m | | | | | |
| 01395> | Maj-7 | 124.444 | 0.3 | 0 | 0 | 0 |
| 01396> | ;19m | | | | | |
| 01397> | Maj-70 | 125.385 | 0.3 | 0 | 0 | 0 |
| 01398> | ;17m | | | | | |
| 01399> | Maj-71 | 125.386 | 0.3 | 0 | 0 | 0 |
| 01400> | ;19m | | | | | |
| 01401> | Maj-72 | 125.435 | 0.3 | 0 | 0 | 0 |
| 01402> | ;17m | | | | | |
| 01403> | Maj-73 | 125.406 | 0.3 | 0 | 0 | 0 |
| 01404> | ;17m | | | | | |
| 01405> | Maj-74 | 125.43 | 0.3 | 0 | 0 | 0 |
| 01406> | ;17m | | | | | |
| 01407> | Maj-75 | 125.432 | 0.3 | 0 | 0 | 0 |
| 01408> | ;17m | | | | | |
| 01409> | Maj-76 | 125.438 | 0.3 | 0 | 0 | 0 |
| 01410> | ;17m | | | | | |
| 01411> | Maj-77 | 125.444 | 0.3 | 0 | 0 | 0 |
| 01412> | ;17m | | | | | |
| 01413> | Maj-78 | 125.444 | 0.3 | 0 | 0 | 0 |
| 01414> | ;17m | | | | | |
| 01415> | Maj-79 | 125.458 | 0.3 | 0 | 0 | 0 |
| 01416> | ;19m | | | | | |
| 01417> | Maj-8 | 124.506 | 0.3 | 0 | 0 | 0 |
| 01418> | ;19m | | | | | |
| 01419> | Maj-80 | 125.495 | 0.3 | 0 | 0 | 0 |
| 01420> | ;17m | | | | | |
| 01421> | Maj-81 | 125.466 | 0.3 | 0 | 0 | 0 |
| 01422> | ;17m | | | | | |
| 01423> | Maj-82 | 125.506 | 0.3 | 0 | 0 | 0 |
| 01424> | ;17m | | | | | |

| | | | | | | |
|--------|------------------|---------|-------|---|---|---|
| 01425> | Maj-83 | 125.506 | 0.3 | 0 | 0 | 0 |
| 01426> | ;17m | | | | | |
| 01427> | Maj-84 | 125.508 | 0.5 | 0 | 0 | 0 |
| 01428> | ;17m | | | | | |
| 01429> | Maj-85 | 125.528 | 0.3 | 0 | 0 | 0 |
| 01430> | ;17m | | | | | |
| 01431> | Maj-86 | 125.544 | 0.3 | 0 | 0 | 0 |
| 01432> | ;19m | | | | | |
| 01433> | Maj-87 | 125.591 | 0.3 | 0 | 0 | 0 |
| 01434> | ;19m | | | | | |
| 01435> | Maj-88 | 125.605 | 0.3 | 0 | 0 | 0 |
| 01436> | ;16m | | | | | |
| 01437> | Maj-89 | 125.59 | 0.3 | 0 | 0 | 0 |
| 01438> | ;24m | | | | | |
| 01439> | Maj-9 | 124.542 | 0.3 | 0 | 0 | 0 |
| 01440> | ;17m | | | | | |
| 01441> | Maj-90 | 125.59 | 0.3 | 0 | 0 | 0 |
| 01442> | ;17m | | | | | |
| 01443> | Maj-91 | 125.606 | 0.3 | 0 | 0 | 0 |
| 01444> | ;19m | | | | | |
| 01445> | Maj-92 | 125.642 | 0.3 | 0 | 0 | 0 |
| 01446> | ;19m | | | | | |
| 01447> | Maj-93 | 125.646 | 0.3 | 0 | 0 | 0 |
| 01448> | ;17m | | | | | |
| 01449> | Maj-94 | 125.652 | 0.3 | 0 | 0 | 0 |
| 01450> | ;17m | | | | | |
| 01451> | Maj-95 | 125.668 | 0.3 | 0 | 0 | 0 |
| 01452> | ;17m | | | | | |
| 01453> | Maj-96 | 125.67 | 0.3 | 0 | 0 | 0 |
| 01454> | ;17m | | | | | |
| 01455> | Maj-97 | 125.674 | 0.3 | 0 | 0 | 0 |
| 01456> | ;19m | | | | | |
| 01457> | Maj-98 | 125.714 | 0.3 | 0 | 0 | 0 |
| 01458> | ;17m | | | | | |
| 01459> | Maj-99 | 125.702 | 0.5 | 0 | 0 | 0 |
| 01460> | ;Cut Kerb | | | | | |
| 01461> | Major_Pond_East | 124.76 | 0 | 0 | 0 | 0 |
| 01462> | ;Cut Kerb | | | | | |
| 01463> | Major_Pond_South | 124.95 | 0 | 0 | 0 | 0 |
| 01464> | ;Cut Kerb | | | | | |
| 01465> | Major_Pond_West | 124.92 | 0 | 0 | 0 | 0 |
| 01466> | Major_to_14Mile | 121.47 | 2 | 0 | 0 | 0 |
| 01467> | MH_1_1 | 125.89 | 2.568 | 0 | 0 | 0 |
| 01468> | MH_105_1 | 122.004 | 2.504 | 0 | 0 | 1 |
| 01469> | MH_26_1 | 122.829 | 2.4 | 0 | 0 | 0 |
| 01470> | MH_59_1 | 124.772 | 2.828 | 0 | 0 | 0 |
| 01471> | MH_61_1 | 123.11 | 3.849 | 0 | 0 | 0 |
| 01472> | MH_62_1 | 122.499 | 5.106 | 0 | 0 | 0 |
| 01473> | MH_69_1 | 122.778 | 2.344 | 0 | 0 | 0 |
| 01474> | MH_75_1 | 124.389 | 2.879 | 0 | 0 | 1 |
| 01475> | MH_75_2 | 124.085 | 3.045 | 0 | 0 | 1 |
| 01476> | MH_77_1 | 123.998 | 3.194 | 0 | 0 | 0 |
| 01477> | MH_82_1 | 123.873 | 2.827 | 0 | 0 | 0 |
| 01478> | MH_92_1 | 123.032 | 2.968 | 0 | 0 | 1 |
| 01479> | MH_93_1 | 122.602 | 3.035 | 0 | 0 | 1 |
| 01480> | MH_94_1 | 122.3 | 3.16 | 0 | 0 | 0 |
| 01481> | MH_94_2 | 122.157 | 3.218 | 0 | 0 | 0 |
| 01482> | MH-1 | 126.055 | 2.16 | 0 | 0 | 0 |
| 01483> | MH-10 | 124.433 | 4.043 | 0 | 0 | 0 |
| 01484> | MH-100 | 127.457 | 2.145 | 0 | 0 | 0 |
| 01485> | MH-101 | 125.197 | 2.092 | 0 | 0 | 0 |
| 01486> | MH-105 | 122.171 | 2.317 | 0 | 0 | 0 |
| 01487> | MH-106 | 121.797 | 2.703 | 0 | 0 | 0 |
| 01488> | MH-107 | 121.534 | 3.32 | 0 | 0 | 0 |
| 01489> | MH-108 | 121.414 | 3.886 | 0 | 0 | 1 |
| 01490> | MH-109 | 126.587 | 2.961 | 0 | 0 | 0 |
| 01491> | MH-11 | 124.299 | 4.07 | 0 | 0 | 0 |
| 01492> | MH-110 | 124.062 | 4.326 | 0 | 0 | 0 |
| 01493> | MH-111 | 123.79 | 3.567 | 0 | 0 | 0 |
| 01494> | MH-112 | 123.482 | 3.279 | 0 | 0 | 0 |
| 01495> | MH-113 | 123.154 | 2.801 | 0 | 0 | 0 |
| 01496> | MH-114 | 122.952 | 2.817 | 0 | 0 | 0 |
| 01497> | MH-115 | 122.492 | 2.965 | 0 | 0 | 0 |
| 01498> | MH-116 | 122.183 | 2.966 | 0 | 0 | 0 |
| 01499> | MH-117 | 121.932 | 3.143 | 0 | 0 | 0 |
| 01500> | MH-117_1 | 121.84 | 3.24 | 0 | 0 | 0 |
| 01501> | MH-118 | 121.706 | 3.367 | 0 | 0 | 0 |
| 01502> | MH-119 | 121.604 | 3.173 | 0 | 0 | 0 |
| 01503> | MH-1190 | 121.515 | 3.785 | 0 | 0 | 1 |
| 01504> | MH-12 | 124.946 | 2.459 | 0 | 0 | 0 |
| 01505> | MH-12_1 | 124.665 | 2.696 | 0 | 0 | 0 |
| 01506> | MH-120 | 125.296 | 2.207 | 0 | 0 | 1 |
| 01507> | MH-13 | 124.263 | 3.043 | 0 | 0 | 0 |
| 01508> | MH-14 | 124.529 | 2.392 | 0 | 0 | 1 |
| 01509> | MH-14_1 | 124.439 | 2.364 | 0 | 0 | 1 |
| 01510> | MH-16 | 124.172 | 2.38 | 0 | 0 | 0 |
| 01511> | MH-17 | 123.988 | 2.371 | 0 | 0 | 0 |
| 01512> | MH-18 | 123.826 | 2.38 | 0 | 0 | 0 |
| 01513> | MH-19 | 123.691 | 2.432 | 0 | 0 | 0 |

| | | | | | | |
|--------|----------|---------|-------|---|---|---|
| 01514> | MH-19_1 | 123.539 | 2.421 | 0 | 0 | 0 |
| 01515> | MH-2 | 125.674 | 2.985 | 0 | 0 | 1 |
| 01516> | MH-20 | 123.257 | 2.321 | 0 | 0 | 0 |
| 01517> | MH-200 | 128.485 | 2.218 | 0 | 0 | 0 |
| 01518> | MH-200_1 | 128.489 | 2.206 | 0 | 0 | 0 |
| 01519> | MH-201 | 127.958 | 2.838 | 0 | 0 | 0 |
| 01520> | MH-202 | 127.847 | 2.794 | 0 | 0 | 0 |
| 01521> | MH-203 | 127.768 | 2.793 | 0 | 0 | 0 |
| 01522> | MH-204 | 127.365 | 2.868 | 0 | 0 | 0 |
| 01523> | MH-205 | 126.861 | 2.893 | 0 | 0 | 0 |
| 01524> | MH-21 | 123.547 | 2.187 | 0 | 0 | 0 |
| 01525> | MH-22 | 122.842 | 2.364 | 0 | 0 | 0 |
| 01526> | MH-23 | 123.569 | 2.078 | 0 | 0 | 1 |
| 01527> | MH-24 | 123.389 | 2.069 | 0 | 0 | 1 |
| 01528> | MH-25 | 123.112 | 2.256 | 0 | 0 | 1 |
| 01529> | MH-26 | 122.936 | 2.376 | 0 | 0 | 1 |
| 01530> | MH-27 | 122.628 | 2.476 | 0 | 0 | 1 |
| 01531> | MH-28 | 122.293 | 2.491 | 0 | 0 | 0 |
| 01532> | MH-29 | 122.131 | 1.848 | 0 | 0 | 0 |
| 01533> | MH-3 | 125.244 | 3.488 | 0 | 0 | 1 |
| 01534> | MH-30 | 121.984 | 2.179 | 0 | 0 | 0 |
| 01535> | MH-302 | 114.676 | 9.469 | 0 | 0 | 0 |
| 01536> | MH-303 | 114.561 | 9.016 | 0 | 0 | 0 |
| 01537> | MH-304 | 114.455 | 8.064 | 0 | 0 | 0 |
| 01538> | MH-31 | 123.828 | 2.041 | 0 | 0 | 0 |
| 01539> | MH-32 | 123.16 | 3.009 | 0 | 0 | 1 |
| 01540> | MH-32_1 | 123.073 | 3.91 | 0 | 0 | 0 |
| 01541> | MH-32_3 | 122.99 | 4.841 | 0 | 0 | 0 |
| 01542> | MH-33 | 124.557 | 2.08 | 0 | 0 | 0 |
| 01543> | MH-34 | 123.693 | 3.179 | 0 | 0 | 1 |
| 01544> | MH-34_1 | 123.615 | 3 | 0 | 0 | 1 |
| 01545> | MH-34_2 | 123.525 | 2.85 | 0 | 0 | 1 |
| 01546> | MH-35 | 125.317 | 2.231 | 0 | 0 | 0 |
| 01547> | MH-36 | 124.847 | 2.552 | 0 | 0 | 1 |
| 01548> | MH-36_1 | 124.616 | 2.616 | 0 | 0 | 1 |
| 01549> | MH-37 | 124.199 | 2.769 | 0 | 0 | 1 |
| 01550> | MH-38 | 127.735 | 2.544 | 0 | 0 | 0 |
| 01551> | MH-39 | 128.279 | 2.05 | 0 | 0 | 0 |
| 01552> | MH-4 | 125.959 | 2.125 | 0 | 0 | 0 |
| 01553> | MH-40 | 128.155 | 2.187 | 0 | 0 | 0 |
| 01554> | MH-400 | 122 | 2.55 | 0 | 0 | 0 |
| 01555> | MH-401 | 114.858 | 9.692 | 0 | 0 | 0 |
| 01556> | MH-402 | 119.004 | 5.546 | 0 | 0 | 0 |
| 01557> | MH-403 | 119.263 | 6.037 | 0 | 0 | 0 |
| 01558> | MH-41 | 128.304 | 2.103 | 0 | 0 | 1 |
| 01559> | MH-42 | 127.829 | 2.58 | 0 | 0 | 1 |
| 01560> | MH-43 | 127.713 | 2.582 | 0 | 0 | 1 |
| 01561> | MH-44 | 128.209 | 2.088 | 0 | 0 | 0 |
| 01562> | MH-45 | 128.14 | 2.16 | 0 | 0 | 0 |
| 01563> | MH-46 | 128.339 | 2.092 | 0 | 0 | 1 |
| 01564> | MH-47 | 127.855 | 2.528 | 0 | 0 | 1 |
| 01565> | MH-48 | 127.606 | 2.641 | 0 | 0 | 0 |
| 01566> | MH-49 | 126.085 | 1.895 | 0 | 0 | 0 |
| 01567> | MH-5 | 125.8 | 2.43 | 0 | 0 | 1 |
| 01568> | MH-50 | 127.115 | 2.431 | 0 | 0 | 0 |
| 01569> | MH-500 | 123.49 | 3.891 | 0 | 0 | 0 |
| 01570> | MH-501 | 123.093 | 4.016 | 0 | 0 | 0 |
| 01571> | MH-5010 | 122.049 | 2.003 | 0 | 0 | 0 |
| 01572> | MH-502 | 123.47 | 2.179 | 0 | 0 | 0 |
| 01573> | MH-503 | 121.729 | 3.909 | 0 | 0 | 0 |
| 01574> | MH-504 | 121.125 | 4.415 | 0 | 0 | 0 |
| 01575> | MH-505 | 120.764 | 4.594 | 0 | 0 | 0 |
| 01576> | MH-506 | 120.354 | 4.945 | 0 | 0 | 0 |
| 01577> | MH-507 | 120.092 | 4.935 | 0 | 0 | 0 |
| 01578> | MH-508 | 121.768 | 3.093 | 0 | 0 | 0 |
| 01579> | MH-509 | 120.99 | 4.44 | 0 | 0 | 0 |
| 01580> | MH-51 | 126.846 | 2.418 | 0 | 0 | 0 |
| 01581> | MH-510 | 120.752 | 4.303 | 0 | 0 | 0 |
| 01582> | MH-511 | 119.89 | 5.123 | 0 | 0 | 0 |
| 01583> | MH-512 | 119.703 | 5.027 | 0 | 0 | 0 |
| 01584> | MH-514 | 119.365 | 5.365 | 0 | 0 | 0 |
| 01585> | MH-52 | 125.152 | 3.61 | 0 | 0 | 0 |
| 01586> | MH-53 | 127.454 | 2.376 | 0 | 0 | 1 |
| 01587> | MH-54 | 126.947 | 2.66 | 0 | 0 | 1 |
| 01588> | MH-55 | 126.476 | 2.851 | 0 | 0 | 0 |
| 01589> | MH-56 | 122.98 | 2.047 | 0 | 0 | 0 |
| 01590> | MH-57 | 122.776 | 2.676 | 0 | 0 | 0 |
| 01591> | MH-58 | 122.511 | 2.865 | 0 | 0 | 0 |
| 01592> | MH-59 | 125.751 | 2.82 | 0 | 0 | 1 |
| 01593> | MH-6 | 125.655 | 1.893 | 0 | 0 | 0 |
| 01594> | MH-60 | 123.801 | 2.965 | 0 | 0 | 0 |
| 01595> | MH-61 | 123.299 | 2.867 | 0 | 0 | 0 |
| 01596> | MH-62 | 122.599 | 3.188 | 0 | 0 | 0 |
| 01597> | MH-63 | 122.418 | 3.206 | 0 | 0 | 0 |
| 01598> | MH-65 | 122.291 | 3.113 | 0 | 0 | 0 |
| 01599> | MH-66 | 122.115 | 3.243 | 0 | 0 | 0 |
| 01600> | MH-67 | 122.059 | 2.985 | 0 | 0 | 0 |
| 01601> | MH-68 | 121.384 | 3.509 | 0 | 0 | 0 |
| 01602> | MH-680 | 121.31 | 3.99 | 0 | 0 | 1 |

| | | | | | | |
|--------|-------------|---------|-------|---|---|---|
| 01603> | MH-69 | 123.057 | 2.249 | 0 | 0 | 1 |
| 01604> | MH-7 | 125.378 | 2.55 | 0 | 0 | 0 |
| 01605> | MH-7_1 | 125.225 | 2.893 | 0 | 0 | 1 |
| 01606> | MH-70 | 122.409 | 2.626 | 0 | 0 | 0 |
| 01607> | MH-72 | 125.149 | 2.194 | 0 | 0 | 1 |
| 01608> | MH-75 | 124.63 | 2.353 | 0 | 0 | 1 |
| 01609> | MH-77 | 124.154 | 2.779 | 0 | 0 | 1 |
| 01610> | MH-78 | 123.625 | 2.917 | 0 | 0 | 1 |
| 01611> | MH-79 | 124.357 | 2.336 | 0 | 0 | 1 |
| 01612> | MH-8 | 125.015 | 3.27 | 0 | 0 | 1 |
| 01613> | MH-80 | 123.875 | 2.461 | 0 | 0 | 0 |
| 01614> | MH-800 | 127.894 | 2.8 | 0 | 0 | 0 |
| 01615> | MH-801 | 127.766 | 2.846 | 0 | 0 | 1 |
| 01616> | MH-802 | 127.556 | 2.975 | 0 | 0 | 1 |
| 01617> | MH-803 | 126.886 | 3.021 | 0 | 0 | 1 |
| 01618> | MH-804 | 127.046 | 2.958 | 0 | 0 | 1 |
| 01619> | MH-805 | 126.734 | 3.107 | 0 | 0 | 1 |
| 01620> | MH-806 | 126.559 | 3.035 | 0 | 0 | 0 |
| 01621> | MH-807 | 127.342 | 3.005 | 0 | 0 | 1 |
| 01622> | MH-808 | 126.662 | 2.996 | 0 | 0 | 0 |
| 01623> | MH-809 | 125.602 | 2.292 | 0 | 0 | 0 |
| 01624> | MH-81 | 124.185 | 2.266 | 0 | 0 | 1 |
| 01625> | MH-82 | 123.941 | 2.372 | 0 | 0 | 0 |
| 01626> | MH-83 | 123.711 | 2.357 | 0 | 0 | 0 |
| 01627> | MH-84 | 123.6 | 2.422 | 0 | 0 | 0 |
| 01628> | MH-85 | 123.298 | 2.506 | 0 | 0 | 0 |
| 01629> | MH-87 | 122.538 | 2.181 | 0 | 0 | 0 |
| 01630> | MH-88 | 122.243 | 3.176 | 0 | 0 | 1 |
| 01631> | MH-89 | 122.041 | 2.996 | 0 | 0 | 0 |
| 01632> | MH-9 | 124.744 | 3.759 | 0 | 0 | 0 |
| 01633> | MH-90 | 124.865 | 1.763 | 0 | 0 | 0 |
| 01634> | MH-91 | 124.47 | 1.969 | 0 | 0 | 0 |
| 01635> | MH-92 | 123.13 | 3.094 | 0 | 0 | 1 |
| 01636> | MH-93 | 122.837 | 2.904 | 0 | 0 | 0 |
| 01637> | MH-94 | 122.431 | 3.137 | 0 | 0 | 1 |
| 01638> | MH-96 | 121.98 | 3.321 | 0 | 0 | 0 |
| 01639> | MH-97 | 121.816 | 3.246 | 0 | 0 | 0 |
| 01640> | MH-98 | 121.603 | 3.402 | 0 | 0 | 0 |
| 01641> | MH-99 | 121.444 | 3.339 | 0 | 0 | 0 |
| 01642> | MH-990 | 121.339 | 3.961 | 0 | 0 | 1 |
| 01643> | MH-OGS2 | 125.502 | 2.392 | 0 | 0 | 0 |
| 01644> | OGS | 127.225 | 2.663 | 0 | 0 | 0 |
| 01645> | OGS_Spill | 127.365 | 2.893 | 0 | 0 | 0 |
| 01646> | OGS_Spill_2 | 125.602 | 2.292 | 0 | 0 | 0 |
| 01647> | RCB-1 | 127.02 | 1.45 | 0 | 0 | 0 |
| 01648> | RCB-10 | 126.12 | 1.45 | 0 | 0 | 0 |
| 01649> | RCB-11 | 126.19 | 1.45 | 0 | 0 | 0 |
| 01650> | RCB-12 | 126.38 | 1.45 | 0 | 0 | 0 |
| 01651> | RCB-13 | 126.33 | 1.45 | 0 | 0 | 0 |
| 01652> | RCB-14 | 126.14 | 1.45 | 0 | 0 | 0 |
| 01653> | RCB-143 | 124.07 | 0.3 | 0 | 0 | 0 |
| 01654> | RCB-15 | 126.09 | 1.45 | 0 | 0 | 0 |
| 01655> | RCB-16 | 124.37 | 1.45 | 0 | 0 | 0 |
| 01656> | RCB-17 | 124.7 | 1.45 | 0 | 0 | 0 |
| 01657> | RCB-18 | 124.59 | 1.45 | 0 | 0 | 0 |
| 01658> | RCB-19 | 125.21 | 1.45 | 0 | 0 | 0 |
| 01659> | RCB-2 | 126.78 | 1.45 | 0 | 0 | 0 |
| 01660> | RCB-20 | 124.96 | 1.45 | 0 | 0 | 0 |
| 01661> | RCB-21 | 124.37 | 1.5 | 0 | 0 | 0 |
| 01662> | RCB-22 | 125.23 | 1.45 | 0 | 0 | 0 |
| 01663> | RCB-23 | 124.89 | 1.45 | 0 | 0 | 0 |
| 01664> | RCB-24 | 125.38 | 1.45 | 0 | 0 | 0 |
| 01665> | RCB-25 | 124.36 | 1.45 | 0 | 0 | 0 |
| 01666> | RCB-26 | 125.5 | 1.45 | 0 | 0 | 0 |
| 01667> | RCB-27 | 125.41 | 1.45 | 0 | 0 | 0 |
| 01668> | RCB-28 | 124.31 | 1.5 | 0 | 0 | 0 |
| 01669> | RCB-29 | 124.5 | 1.45 | 0 | 0 | 0 |
| 01670> | RCB-3 | 126.73 | 1.45 | 0 | 0 | 0 |
| 01671> | RCB-30 | 124.61 | 1.45 | 0 | 0 | 0 |
| 01672> | RCB-31 | 124.35 | 1.5 | 0 | 0 | 0 |
| 01673> | RCB-32 | 124.3 | 1.45 | 0 | 0 | 0 |
| 01674> | RCB-33 | 124.5 | 1.45 | 0 | 0 | 0 |
| 01675> | RCB-34 | 125.11 | 0.9 | 0 | 0 | 0 |
| 01676> | RCB-35 | 123.99 | 1.5 | 0 | 0 | 0 |
| 01677> | RCB-36 | 125.11 | 1.45 | 0 | 0 | 0 |
| 01678> | RCB-37 | 124.8 | 1.45 | 0 | 0 | 0 |
| 01679> | RCB-38 | 124.36 | 1.45 | 0 | 0 | 0 |
| 01680> | RCB-39_3 | 123.07 | 1.5 | 0 | 0 | 0 |
| 01681> | RCB-4 | 126.76 | 1.45 | 0 | 0 | 0 |
| 01682> | RCB-40 | 123.8 | 1 | 0 | 0 | 0 |
| 01683> | RCB-41 | 123.88 | 1.04 | 0 | 0 | 0 |
| 01684> | RCB-42 | 123.61 | 0.9 | 0 | 0 | 0 |
| 01685> | RCB-43 | 124.13 | 1.5 | 0 | 0 | 0 |
| 01686> | RCB-44 | 122.82 | 1.5 | 0 | 0 | 0 |
| 01687> | RCB-45 | 123.4 | 0.9 | 0 | 0 | 0 |
| 01688> | RCB-46 | 124.2 | 1.5 | 0 | 0 | 0 |
| 01689> | RCB-47 | 123.7 | 0.9 | 0 | 0 | 0 |
| 01690> | RCB-48 | 123.04 | 1.2 | 0 | 0 | 0 |
| 01691> | RCB-5 | 125.38 | 1.45 | 0 | 0 | 0 |

| | | | | | | |
|--------|------------|--------|------|---|---|---|
| 01692> | RCB-50 | 122.97 | 1.1 | 0 | 0 | 0 |
| 01693> | RCB-51 | 123.88 | 1.45 | 0 | 0 | 0 |
| 01694> | RCB-52 | 123.98 | 1.45 | 0 | 0 | 0 |
| 01695> | RCB-54 | 123.46 | 1.72 | 0 | 0 | 0 |
| 01696> | RCB-55 | 123.04 | 1 | 0 | 0 | 0 |
| 01697> | RCB-56 | 122.66 | 0.9 | 0 | 0 | 0 |
| 01698> | RCB-58 | 122.63 | 0.9 | 0 | 0 | 0 |
| 01699> | RCB-59 | 122.53 | 0.9 | 0 | 0 | 0 |
| 01700> | RCB-6 | 125.62 | 1.45 | 0 | 0 | 0 |
| 01701> | RCB-60 | 122.47 | 0.9 | 0 | 0 | 0 |
| 01702> | RCB-61 | 123.66 | 1.45 | 0 | 0 | 0 |
| 01703> | RCB-62 | 122.44 | 0.9 | 0 | 0 | 0 |
| 01704> | RCB-63 | 123.8 | 1.45 | 0 | 0 | 0 |
| 01705> | RCB-64 | 123.61 | 1.45 | 0 | 0 | 0 |
| 01706> | RCB-65 | 122.41 | 0.9 | 0 | 0 | 0 |
| 01707> | RCB-66 | 122.38 | 0.9 | 0 | 0 | 0 |
| 01708> | RCB-67 | 123.94 | 1.45 | 0 | 0 | 0 |
| 01709> | RCB-68 | 123.06 | 1.45 | 0 | 0 | 0 |
| 01710> | RCB-69 | 122.35 | 0.9 | 0 | 0 | 0 |
| 01711> | RCB-7 | 125.87 | 1.45 | 0 | 0 | 0 |
| 01712> | RCB-73 | 124.42 | 1.45 | 0 | 0 | 0 |
| 01713> | RCB-8 | 125.63 | 1.45 | 0 | 0 | 0 |
| 01714> | RCB-9 | 125.86 | 1.45 | 0 | 0 | 0 |
| 01715> | RYD-10 | 126.53 | 0.3 | 0 | 0 | 0 |
| 01716> | RYD-100 | 127.38 | 0.3 | 0 | 0 | 0 |
| 01717> | RYD-101 | 127.67 | 0.3 | 0 | 0 | 0 |
| 01718> | RYD-102 | 127.61 | 0.3 | 0 | 0 | 0 |
| 01719> | RYD-103 | 127.94 | 0.3 | 0 | 0 | 0 |
| 01720> | RYD-104 | 127.87 | 0.3 | 0 | 0 | 0 |
| 01721> | RYD-105 | 128.18 | 0.3 | 0 | 0 | 0 |
| 01722> | RYD-106 | 128.08 | 0.3 | 0 | 0 | 0 |
| 01723> | RYD-107 | 128.21 | 0.3 | 0 | 0 | 0 |
| 01724> | RYD-108 | 127.32 | 0.3 | 0 | 0 | 0 |
| 01725> | RYD-109 | 127.25 | 0.3 | 0 | 0 | 0 |
| 01726> | RYD-11 | 125.87 | 0.3 | 0 | 0 | 0 |
| 01727> | RYD-110 | 126.47 | 0.3 | 0 | 0 | 0 |
| 01728> | RYD-111 | 128.08 | 0.3 | 0 | 0 | 0 |
| 01729> | RYD-112 | 128.81 | 0.3 | 0 | 0 | 0 |
| 01730> | RYD-113 | 128.85 | 0.3 | 0 | 0 | 0 |
| 01731> | RYD-114 | 128.58 | 0.3 | 0 | 0 | 0 |
| 01732> | RYD-115 | 128.71 | 0.3 | 0 | 0 | 0 |
| 01733> | RYD-116 | 128.44 | 0.3 | 0 | 0 | 0 |
| 01734> | RYD-117 | 128.77 | 0.3 | 0 | 0 | 0 |
| 01735> | RYD-118 | 128.5 | 0.3 | 0 | 0 | 0 |
| 01736> | RYD-119 | 128.37 | 0.3 | 0 | 0 | 0 |
| 01737> | RYD-12 | 126.25 | 0.3 | 0 | 0 | 0 |
| 01738> | RYD-120 | 128.28 | 0.3 | 0 | 0 | 0 |
| 01739> | RYD-121 | 128.22 | 0.3 | 0 | 0 | 0 |
| 01740> | RYD-122 | 128.01 | 0.3 | 0 | 0 | 0 |
| 01741> | RYD-123 | 127.81 | 0.3 | 0 | 0 | 0 |
| 01742> | RYD-124 | 127.82 | 0.3 | 0 | 0 | 0 |
| 01743> | RYD-125 | 127.87 | 0.3 | 0 | 0 | 0 |
| 01744> | RYD-126 | 128.08 | 0.3 | 0 | 0 | 0 |
| 01745> | RYD-127 | 125 | 0.3 | 0 | 0 | 0 |
| 01746> | RYD-128 | 124.54 | 0.3 | 0 | 0 | 0 |
| 01747> | RYD-129 | 124.37 | 0.3 | 0 | 0 | 0 |
| 01748> | RYD-130 | 124.34 | 0.3 | 0 | 0 | 0 |
| 01749> | RYD-131 | 123.86 | 0.3 | 0 | 0 | 0 |
| 01750> | RYD-132 | 123.83 | 0.3 | 0 | 0 | 0 |
| 01751> | RYD-133 | 123.73 | 0.3 | 0 | 0 | 0 |
| 01752> | RYD-134 | 123.82 | 0.3 | 0 | 0 | 0 |
| 01753> | RYD-135 | 123.79 | 0.3 | 0 | 0 | 0 |
| 01754> | RYD-136 | 123.61 | 0.3 | 0 | 0 | 0 |
| 01755> | RYD-137 | 123.58 | 0.3 | 0 | 0 | 0 |
| 01756> | RYD-138 | 123.55 | 0.3 | 0 | 0 | 0 |
| 01757> | ;Major_Out | | | | | |
| 01758> | RYD-139 | 123.85 | 1 | 0 | 0 | 0 |
| 01759> | RYD-14 | 126.04 | 0.3 | 0 | 0 | 0 |
| 01760> | RYD-140 | 130.24 | 0 | 0 | 0 | 0 |
| 01761> | RYD-141 | 127.77 | 1.2 | 0 | 0 | 0 |
| 01762> | ;Major_Out | | | | | |
| 01763> | RYD-143 | 120.38 | 3 | 0 | 0 | 0 |
| 01764> | ;Major_Out | | | | | |
| 01765> | RYD-144 | 122.48 | 1 | 0 | 0 | 0 |
| 01766> | RYD-15 | 126.08 | 0.3 | 0 | 0 | 0 |
| 01767> | RYD-16 | 126.19 | 0.3 | 0 | 0 | 0 |
| 01768> | RYD-17 | 126.25 | 0.3 | 0 | 0 | 0 |
| 01769> | RYD-18 | 126.68 | 0.3 | 0 | 0 | 0 |
| 01770> | RYD-19 | 126.48 | 0.3 | 0 | 0 | 0 |
| 01771> | RYD-2 | 125.8 | 0.3 | 0 | 0 | 0 |
| 01772> | RYD-20 | 126.22 | 0.3 | 0 | 0 | 0 |
| 01773> | RYD-3 | 125.98 | 0.3 | 0 | 0 | 0 |
| 01774> | RYD-4 | 125.67 | 0.3 | 0 | 0 | 0 |
| 01775> | RYD-41 | 126.94 | 0.3 | 0 | 0 | 0 |
| 01776> | RYD-42 | 126.69 | 0.3 | 0 | 0 | 0 |
| 01777> | RYD-43 | 126.4 | 0.3 | 0 | 0 | 0 |
| 01778> | RYD-44 | 126.42 | 0.3 | 0 | 0 | 0 |
| 01779> | RYD-45 | 125.09 | 0.3 | 0 | 0 | 0 |
| 01780> | RYD-46 | 125.05 | 0.3 | 0 | 0 | 0 |

| | | | | | | | | |
|--------|----------------------|--------------|--------------|-------------------------|-----------|----------|----|--|
| 01781> | RYD-47 | 125.1 | 0.3 | 0 | 0 | 0 | | |
| 01782> | RYD-48 | 125.5 | 0.3 | 0 | 0 | 0 | | |
| 01783> | RYD-49 | 126.28 | 0.3 | 0 | 0 | 0 | | |
| 01784> | RYD-5 | 126.01 | 0.3 | 0 | 0 | 0 | | |
| 01785> | RYD-50 | 126.39 | 0.3 | 0 | 0 | 0 | | |
| 01786> | RYD-51 | 126.49 | 0.3 | 0 | 0 | 0 | | |
| 01787> | RYD-52 | 126.43 | 0.3 | 0 | 0 | 0 | | |
| 01788> | RYD-53 | 127.08 | 0.3 | 0 | 0 | 0 | | |
| 01789> | RYD-54 | 126.64 | 0.3 | 0 | 0 | 0 | | |
| 01790> | RYD-55 | 125.3 | 0.3 | 0 | 0 | 0 | | |
| 01791> | RYD-56 | 124.89 | 0.58 | 0 | 0 | 0 | | |
| 01792> | RYD-57 | 124.57 | 0.74 | 0 | 0 | 0 | | |
| 01793> | RYD-58 | 124.86 | 0.61 | 0 | 0 | 0 | | |
| 01794> | RYD-59 | 125.52 | 0.3 | 0 | 0 | 0 | | |
| 01795> | RYD-6 | 125.73 | 0.3 | 0 | 0 | 0 | | |
| 01796> | RYD-60 | 125.33 | 0.3 | 0 | 0 | 0 | | |
| 01797> | RYD-61 | 125.41 | 0.3 | 0 | 0 | 0 | | |
| 01798> | RYD-62 | 124.68 | 0.3 | 0 | 0 | 0 | | |
| 01799> | RYD-63 | 124.82 | 0.3 | 0 | 0 | 0 | | |
| 01800> | RYD-64 | 125.04 | 0.3 | 0 | 0 | 0 | | |
| 01801> | RYD-7 | 125.48 | 0.3 | 0 | 0 | 0 | | |
| 01802> | RYD-72 | 125.41 | 0.3 | 0 | 0 | 0 | | |
| 01803> | RYD-73 | 125.6 | 0.3 | 0 | 0 | 0 | | |
| 01804> | RYD-74 | 125.71 | 0.3 | 0 | 0 | 0 | | |
| 01805> | RYD-75 | 125.91 | 0.3 | 0 | 0 | 0 | | |
| 01806> | RYD-76 | 125.96 | 0.3 | 0 | 0 | 0 | | |
| 01807> | RYD-77 | 125.54 | 0.3 | 0 | 0 | 0 | | |
| 01808> | RYD-78 | 126.01 | 0.3 | 0 | 0 | 0 | | |
| 01809> | RYD-79 | 126.28 | 0.3 | 0 | 0 | 0 | | |
| 01810> | RYD-8 | 125.95 | 0.3 | 0 | 0 | 0 | | |
| 01811> | RYD-80 | 126.3 | 0.3 | 0 | 0 | 0 | | |
| 01812> | RYD-81 | 126.44 | 0.3 | 0 | 0 | 0 | | |
| 01813> | RYD-82 | 126.38 | 0.3 | 0 | 0 | 0 | | |
| 01814> | RYD-83 | 125.96 | 0.3 | 0 | 0 | 0 | | |
| 01815> | RYD-84 | 126.31 | 0.3 | 0 | 0 | 0 | | |
| 01816> | RYD-85 | 127.25 | 0.3 | 0 | 0 | 0 | | |
| 01817> | RYD-86 | 127.53 | 0.3 | 0 | 0 | 0 | | |
| 01818> | RYD-87 | 126.96 | 0.3 | 0 | 0 | 0 | | |
| 01819> | RYD-88 | 127.16 | 0.3 | 0 | 0 | 0 | | |
| 01820> | RYD-89 | 127.05 | 0.3 | 0 | 0 | 0 | | |
| 01821> | RYD-9 | 126.36 | 0.3 | 0 | 0 | 0 | | |
| 01822> | RYD-90 | 127.43 | 0.3 | 0 | 0 | 0 | | |
| 01823> | RYD-91 | 127.73 | 0.3 | 0 | 0 | 0 | | |
| 01824> | RYD-92 | 127.47 | 0.3 | 0 | 0 | 0 | | |
| 01825> | RYD-93 | 127.36 | 0.3 | 0 | 0 | 0 | | |
| 01826> | RYD-94 | 127.12 | 0.3 | 0 | 0 | 0 | | |
| 01827> | RYD-95 | 127.34 | 0.3 | 0 | 0 | 0 | | |
| 01828> | RYD-96 | 127.01 | 0.3 | 0 | 0 | 0 | | |
| 01829> | RYD-97 | 126.71 | 0.3 | 0 | 0 | 0 | | |
| 01830> | RYD-98 | 126.98 | 0.3 | 0 | 0 | 0 | | |
| 01831> | RYD-99 | 127.52 | 0.3 | 0 | 0 | 0 | | |
| 01832> | | | | | | | | |
| 01833> | [OUTFALLS] | | | | | | | |
| 01834> | ;; | | | | | | | |
| 01835> | ;;Name | Invert Elev. | Outfall Type | Stage/Table Time Series | Tide Gate | Route | To | |
| 01836> | ;;----- | | | | | | | |
| 01837> | A058PK1-Out | 122.3 | FREE | | NO | | | |
| 01838> | ABG02-Out | 125.6 | FREE | | NO | | | |
| 01839> | ACREEKPK1-Out | 125 | FREE | | NO | | | |
| 01840> | Maj-280 | 130.24 | FREE | | NO | ABGRD01 | | |
| 01841> | Major_Out-Creek | 121.45 | FREE | | NO | | | |
| 01842> | MajorToCreek | 0 | FREE | | NO | ACREEKR1 | | |
| 01843> | NorthFut-Out | 125.5 | FREE | | NO | | | |
| 01844> | NorthStreet-Out | 126.8 | FREE | | NO | | | |
| 01845> | Out_NEnclave_North | 128.973 | FREE | | NO | | | |
| 01846> | To_E238 | 126.02 | FREE | | NO | | | |
| 01847> | To_E301 | 124.29 | FREE | | NO | | | |
| 01848> | To_E344 | 0 | FREE | | NO | | | |
| 01849> | To_E394 | 125.55 | FREE | | NO | | | |
| 01850> | To_E505 | 125.08 | FREE | | NO | | | |
| 01851> | To_E615 | 123.8 | FREE | | NO | | | |
| 01852> | To_E618 | 127.77 | FREE | | NO | | | |
| 01853> | To_E643 | 0 | FREE | | NO | | | |
| 01854> | To_E690 | 0 | FREE | | NO | | | |
| 01855> | To_J6301.693 | 122.59 | FREE | | NO | | | |
| 01856> | ;STM-MH | | | | | | | |
| 01857> | To_J6358.901 | 114.3 | FREE | | NO | | | |
| 01858> | To_J7132.593 | 122.83 | FREE | | NO | | | |
| 01859> | To_J7232.906 | 123.48 | FREE | | NO | | | |
| 01860> | Trail-LID-10East-Out | 120.5 | FREE | | NO | | | |
| 01861> | Trail-LID-10West-Out | 120.5 | FREE | | NO | | | |
| 01862> | Trail-LID-1-Out | 127.85 | FREE | | NO | | | |
| 01863> | Trail-LID-2-Out | 124.35 | FREE | | NO | | | |
| 01864> | Trail-LID-3-Out | 124 | FREE | | NO | | | |
| 01865> | Trail-LID-4-East-Out | 125.05 | FREE | | NO | | | |
| 01866> | Trail-LID-4-West-Out | 125.05 | FREE | | NO | | | |
| 01867> | Trail-LID-5-Out | 122.1 | FREE | | NO | | | |
| 01868> | Trail-LID-6-Out | 122.1 | FREE | | NO | | | |
| 01869> | Trail-LID-7-Out | 124.1 | FREE | | NO | | | |


```

01870> Trail-LID-8-Out 123.3 FREE NO
01871> Trail-LID-9-Out 121 FREE NO
01872>
01873> [STORAGE]
01874> ;;
01875> ;;Name Elev. Max. Init. Storage Curve Ponded Evap.
01876> ;;----- Depth ----- Depth ----- Area ----- Frac. Infiltration pa
01877> BioSwale-East 125.5 1 0 TABULAR BioSwaleEast-Curve 0 0
01878> BioSwale-West 126.8 1 0 TABULAR BioSwaleWest-Curve 0 0
01879> SFBG-4-5 121.2 4.1 0 TABULAR BG-SWM_POND 0 0
01880> Trench-BGPark 122.3 5 0 TABULAR BGPark-LID-Curve 1 0
01881> Trench-BronteRoad 125.6 2 0 TABULAR BronteRoad-LID-Curve 0 0
01882> Trench-Trail-1 127.85 2.5 0 TABULAR Trail-LID-1-Curve 0 0
01883> Trench-Trail-10East 120.5 2.5 0 TABULAR Trail-LID-10East 0 0
01884> Trench-Trail-10West 120.5 2.5 0 TABULAR Trail-LID-10West 0 0
01885> Trench-Trail-2 124.35 2.5 0 TABULAR Trail-LID-2-Curve 0 0
01886> Trench-Trail-3 124 2.5 0 TABULAR Trail-LID-3-Curve 0 0
01887> Trench-Trail-4East 125.05 2.5 0 TABULAR Trail-LID-4-East-Curve 0 0
01888> Trench-Trail-4West 125.05 2.5 0 TABULAR Trail-LID-4-West-Curve 0 0
01889> Trench-Trail-5 122.1 2.5 0 TABULAR Trail-LID-5-Curve 0 0
01890> Trench-Trail--6 122.1 2.5 0 TABULAR Trail-LID-6-Curve 0 0
01891> Trench-Trail-7 124.1 2.5 0 TABULAR Trail-LID-7-Curve 0 0
01892> Trench-Trail-8 123.3 2.5 0 TABULAR Trail-LID-8-Curve 0 0
01893> Trench-Trail-9 121 2.5 0 TABULAR Trail-LID-9-Curve 0 0
01894> Trench-UrbanSquare 125 2 0 TABULAR UrbanSquare-LID-Curve 0 0
01895>
01896> [CONDUITS]
01897> ;;
01898> ;;Name Inlet Outlet Length Manning Inlet Outlet Init. Max.
01899> ;;----- Node ----- Node ----- N ----- Offset ----- Offset ----- Flow ----- Flow -----
01900> A006PK1-Spill Trench-UrbanSquare ACREEKPK-DrainOut 21.409 0.035 126.5 126.4 0 0
01901> A010DV1-Spill A010DV1-Onsite Maj-216 10 0.035 128.267 128.266 0 0
01902> A032SC1-Spill A032SC1-Onsite Maj-128 10 0.013 126.153 126.152 0 0
01903> A034SC1-Spill A034SC1-onsite Maj-178 23.03 0.013 126.845 126.844 0 0
01904> A052DV1-Spill A052DV1-Onsite Maj-228 10 0.013 128.755 128.754 0 0
01905> A058PK1-Spill Trench-BGPark Maj-16 107.174 0.013 125.17 125.15 0 0
01906> A059PK1-Spill A059PK1-Onsite Maj-221 10 0.013 128.421 128.422 0 0
01907> A079DV1-Spill A079DV1-Onsite Maj-154 10 0.013 126.58 126.581 0 0
01908> A201DV1-spill A201DV1-Onsite Maj-270 10 0.013 130.665 130.664 0 0
01909> ACREEKPK1-Pipe Trench-UrbanSquare ACREEKPK-DrainOut 19.318 0.013 125.55 125.55 0 0
01910> ACREEKPK-CreekDummy ACREEKPK-DrainOut To_E394 10 0.013 125.55 125.55 0 0
01911> B-Road_Spill B-Road_Spill1 Maj-276 15 0.013 128.99 128.506 0 0
01912> B-Road_Spill2 B-Road_Spill2 Maj-276 220 0.013 130.05 128.506 0 0
01913> B-Road_Spill3 B-Road_Spill3 Enclave_Out 10 0.013 130.05 124 0 0
01914> C10 Major_to_14Mile Major_Out-Creek 6.029 0.01 121.47 121.45 0 0
01915> C3 LID107 Major_to_14Mile 20 0.01 121.57 121.55 0 0
01916> C4 LID108 To_J6301.693 2.653 0.01 122.59 122.59 0 0
01917> C5 LID106 Major_to_14Mile 20 0.01 121.49 121.47 0 0
01918> C6 LID105 To_J7132.593 20 0.01 122.83 122.81 0 0
01919> C7 LID104 To_J7232.906 20 0.01 123.5 123.48 0 0
01920> C8 LID111 To_E238 20 0.01 126.02 126 0 0
01921> C9 LID112 To_E344 20 0.01 125.5 125.48 0 0
01922> Enclave_Out Enclave_Out To_E615 23.802 0.013 124 123.8 0 0
01923> LID_Enclave LID114 To_E505 10 0.035 125.09 125.13 0 0
01924> LID1 LID95 16.58 0.035 126.27 125.37 0 0
01925> LID10 LID42 Trench-Trail-1 33.733 0.035 129.28 129.11 0 0
01926> LID100 Trench-Trail-4East LID111 7.021 0.035 126.69 126.02 0 0
01927> LID101 LID100 LID101 7.783 0.035 125.23 125.24 0 0
01928> LID102 LID103 LID102 6.512 0.035 125.35 125.34 0 0
01929> LID103 Trench-Trail-5 LID104 10.982 0.035 124.25 124.24 0 0
01930> LID104 Trench-Trail--6 LID105 14.164 0.035 123.85 123.84 0 0
01931> LID105 LID109 LID110 4.777 0.035 125.83 125.82 0 0
01932> LID106 LID38 LID39 5.78 0.035 124.99 124.98 0 0
01933> LID107 Trench-Trail-9 LID106 12.179 0.035 123.29 123.28 0 0
01934> LID108 Trench-Trail-10West LID107 7.209 0.035 122.18 122.17 0 0
01935> LID109 Trench-Trail-10East LID108 6.773 0.035 123.26 123.25 0 0
01936> LID11 Trench-Trail-1 LID54 25.717 0.035 129.11 128.29 0 0
01937> LID110 Trench-Trail-3 LID114 8.853 0.035 125.92 125.91 0 0
01938> LID111 LID62 LID114 8.382 0.035 125.8 125.79 0 0
01939> LID12 LID54 LID52 23.663 0.035 128.29 127.79 0 0
01940> LID13 LID52 LID53 22.916 0.035 127.79 126.9 0 0
01941> LID14 LID53 LID70 26.715 0.035 126.9 126.58 0 0
01942> LID15 LID70 Trench-Trail-2 30.043 0.035 126.58 125.94 0 0
01943> LID16 LID73 Trench-Trail-3 4.94 0.035 125.3 125.17 0 0
01944> LID17 LID96 Trench-Trail-3 9.631 0.035 125.37 125.17 0 0
01945> LID18 LID56 LID57 22.537 0.035 128.42 127.92 0 0
01946> LID19 LID85 LID93 11.322 0.024 125.86 125.75 0 0
01947> LID20 LID64 LID112 11.524 0.024 125.67 125.5 0 0
01948> LID21 LID28 LID29 10.224 0.035 125.88 125.83 0 0
01949> LID22 LID20 LID41 17.793 0.035 126.32 126.23 0 0
01950> LID23 LID25 LID26 14.339 0.035 126.25 126.18 0 0
01951> LID24 Trench-Trail-4West LID85 16.685 0.035 126.02 125.86 0 0
01952> LID25 LID26 LID24 14.976 0.035 126.18 126.11 0 0
01953> LID26 LID24 Trench-Trail-4East 11.735 0.035 126.11 126.05 0 0
01954> LID27 LID23 Trench-Trail-4East 6.489 0.035 126.08 126.05 0 0
01955> LID28 LID22 LID23 15.456 0.035 126.5 126.08 0 0
01956> LID29 LID21 LID22 11.916 0.035 126.57 126.5 0 0
01957> LID3 LID38 LID39 5.556 0.024 124.41 124.38 0 0
01958> LID30 LID21 LID20 22.017 0.035 126.57 126.32 0 0

```


| | | | | | | | | | |
|--------|-----------------|------------------|------------------|--------|-------|---------|---------|---|---|
| 02048> | ;Major | | | | | | | | |
| 02049> | Maj_Over-South1 | Maj-24 | Major_Pond_South | 10 | 0.013 | 124.907 | 124.95 | 0 | 0 |
| 02050> | ;Major | | | | | | | | |
| 02051> | Maj_Over-South2 | Major_Pond_South | SFBG-4-5 | 20 | 0.013 | 124.95 | 124.85 | 0 | 0 |
| 02052> | Maj_Over-West1 | Maj-23 | Major_Pond_West | 10 | 0.013 | 124.872 | 124.92 | 0 | 0 |
| 02053> | ;Major | | | | | | | | |
| 02054> | Maj_Over-West2 | Major_Pond_West | SFBG-4-5 | 20 | 0.013 | 124.92 | 124.82 | 0 | 0 |
| 02055> | ;Street-C | | | | | | | | |
| 02056> | Maj-0 | Maj-101 | Maj-96 | 15.021 | 0.013 | 125.752 | 125.67 | 0 | 0 |
| 02057> | ;Street-Q | | | | | | | | |
| 02058> | Maj-1 | Maj-4 | Maj-3 | 22.834 | 0.013 | 124.224 | 124.11 | 0 | 0 |
| 02059> | ;Street-P | | | | | | | | |
| 02060> | Maj-10 | Maj-27 | Maj-18 | 15.25 | 0.013 | 124.98 | 124.8 | 0 | 0 |
| 02061> | ;Street-J | | | | | | | | |
| 02062> | Maj-100 | Maj-157 | Maj-148 | 16.581 | 0.013 | 126.592 | 126.456 | 0 | 0 |
| 02063> | ;Street-L | | | | | | | | |
| 02064> | Maj-101 | Maj-167 | Maj-159 | 11.5 | 0.013 | 126.79 | 126.626 | 0 | 0 |
| 02065> | ;Street-J | | | | | | | | |
| 02066> | Maj-102 | Maj-160 | Maj-158 | 34.35 | 0.013 | 126.65 | 126.642 | 0 | 0 |
| 02067> | ;Street-L | | | | | | | | |
| 02068> | Maj-103 | Maj-161 | Maj-151 | 40 | 0.013 | 126.686 | 126.486 | 0 | 0 |
| 02069> | ;Street-K | | | | | | | | |
| 02070> | Maj-104 | Maj-163 | Maj-152 | 15.899 | 0.013 | 126.744 | 126.53 | 0 | 0 |
| 02071> | ;Street-A | | | | | | | | |
| 02072> | Maj-105 | Maj-158 | Maj-140 | 23.121 | 0.013 | 126.642 | 126.387 | 0 | 0 |
| 02073> | ;Street-L | | | | | | | | |
| 02074> | Maj-106 | Maj-166 | Maj-161 | 20 | 0.013 | 126.786 | 126.686 | 0 | 0 |
| 02075> | ;Street-H | | | | | | | | |
| 02076> | Maj-107 | Maj-183 | Maj-170 | 34.185 | 0.013 | 127.116 | 126.838 | 0 | 0 |
| 02077> | ;Street-J | | | | | | | | |
| 02078> | Maj-108 | Maj-171 | Maj-157 | 43.419 | 0.013 | 126.844 | 126.592 | 0 | 0 |
| 02079> | ;Street-A | | | | | | | | |
| 02080> | Maj-109 | Maj-173 | Maj-164 | 20 | 0.013 | 126.955 | 126.785 | 0 | 0 |
| 02081> | ;Street-P | | | | | | | | |
| 02082> | Maj-11 | Maj-26 | Maj-19 | 22.854 | 0.013 | 124.922 | 124.808 | 0 | 0 |
| 02083> | ;Street-A | | | | | | | | |
| 02084> | Maj-110 | Maj-192 | Maj-173 | 36.113 | 0.013 | 127.262 | 126.955 | 0 | 0 |
| 02085> | ;Street-G | | | | | | | | |
| 02086> | Maj-111 | Maj-174 | Maj-167 | 26.843 | 0.013 | 126.924 | 126.79 | 0 | 0 |
| 02087> | ;Street-G | | | | | | | | |
| 02088> | Maj-112_1 | Maj-174 | Maj-174_1 | 22.96 | 0.013 | 126.924 | 126.81 | 0 | 0 |
| 02089> | ;Street-G | | | | | | | | |
| 02090> | Maj-112_2 | Maj-174_1 | Maj-162 | 22.28 | 0.013 | 126.81 | 126.698 | 0 | 0 |
| 02091> | ;Street-K | | | | | | | | |
| 02092> | Maj-113 | Maj-175 | Maj-163 | 20 | 0.013 | 126.954 | 126.744 | 0 | 0 |
| 02093> | ;Street-L | | | | | | | | |
| 02094> | Maj-114 | Maj-176 | Maj-159 | 68.5 | 0.013 | 126.968 | 126.626 | 0 | 0 |
| 02095> | ;Street-J | | | | | | | | |
| 02096> | Maj-115 | Maj-178 | Maj-160 | 33.023 | 0.013 | 126.98 | 126.65 | 0 | 0 |
| 02097> | ;Street-J | | | | | | | | |
| 02098> | Maj-116 | Maj-178 | Maj-171 | 26.977 | 0.013 | 126.98 | 126.844 | 0 | 0 |
| 02099> | ;Street-G | | | | | | | | |
| 02100> | Maj-117 | Maj-179 | Maj-172 | 20 | 0.013 | 127.022 | 126.922 | 0 | 0 |
| 02101> | ;Street-C | | | | | | | | |
| 02102> | Maj-118 | Maj-180 | Maj-153 | 20 | 0.013 | 127.042 | 126.54 | 0 | 0 |
| 02103> | ;Street-G North | | | | | | | | |
| 02104> | Maj-119 | Maj-185 | Maj-181 | 11.78 | 0.013 | 127.142 | 127.084 | 0 | 0 |
| 02105> | ;Street-A | | | | | | | | |
| 02106> | Maj-12 | Maj-21 | Maj-12 | 29.44 | 0.013 | 124.853 | 124.706 | 0 | 0 |
| 02107> | ;Street-G North | | | | | | | | |
| 02108> | Maj-120 | Maj-192 | Maj-181 | 15 | 0.013 | 127.262 | 127.084 | 0 | 0 |
| 02109> | ;Street-G | | | | | | | | |
| 02110> | Maj-121 | Maj-184 | Maj-179 | 20 | 0.013 | 127.122 | 127.022 | 0 | 0 |
| 02111> | ;Street-L | | | | | | | | |
| 02112> | Maj-122 | Maj-188 | Maj-176 | 44.737 | 0.013 | 127.192 | 126.968 | 0 | 0 |
| 02113> | ;Street-G | | | | | | | | |
| 02114> | Maj-123 | Maj-190 | Maj-184 | 20 | 0.013 | 127.222 | 127.122 | 0 | 0 |
| 02115> | ;Street-B | | | | | | | | |
| 02116> | Maj-124 | Maj-191 | Maj-155 | 17.25 | 0.013 | 127.23 | 126.582 | 0 | 0 |
| 02117> | ;Street-G | | | | | | | | |
| 02118> | Maj-125 | Maj-192 | Maj-182 | 13.092 | 0.013 | 127.262 | 127.092 | 0 | 0 |
| 02119> | ;Street-G North | | | | | | | | |
| 02120> | Maj-126 | Maj-199 | Maj-183 | 38.016 | 0.013 | 127.4 | 127.116 | 0 | 0 |
| 02121> | ;Street-G North | | | | | | | | |
| 02122> | Maj-127 | Maj-199 | Maj-196 | 10 | 0.013 | 127.4 | 127.342 | 0 | 0 |
| 02123> | ;Street-G | | | | | | | | |
| 02124> | Maj-128 | Maj-200 | Maj-190 | 40 | 0.013 | 127.422 | 127.222 | 0 | 0 |
| 02125> | ;Street-G North | | | | | | | | |
| 02126> | Maj-129 | Maj-201 | Maj-198 | 28.674 | 0.013 | 127.532 | 127.39 | 0 | 0 |
| 02127> | ;Street-A | | | | | | | | |
| 02128> | Maj-13 | Maj-28 | Maj-21 | 26.967 | 0.013 | 124.988 | 124.853 | 0 | 0 |
| 02129> | ;Street-G | | | | | | | | |
| 02130> | Maj-130 | Maj-202 | Maj-200 | 32.525 | 0.013 | 127.584 | 127.422 | 0 | 0 |
| 02131> | ;Street-G North | | | | | | | | |
| 02132> | Maj-131 | Maj-203 | Maj-197 | 44.512 | 0.013 | 127.626 | 127.404 | 0 | 0 |
| 02133> | ;Street-C | | | | | | | | |
| 02134> | Maj-132 | Maj-205 | Maj-180 | 20 | 0.013 | 127.742 | 127.042 | 0 | 0 |
| 02135> | ;Street-C | | | | | | | | |
| 02136> | Maj-133 | Maj-221 | Maj-205 | 20 | 0.013 | 128.422 | 127.742 | 0 | 0 |

| | | | | | | | | | |
|--------|-----------------|---------|---------|--------|-------|---------|---------|---|---|
| 02137> | ;Street-G North | | | | | | | | |
| 02138> | Maj-134 | Maj-206 | Maj-203 | 14.001 | 0.013 | 127.788 | 127.626 | 0 | 0 |
| 02139> | ;Street-A | | | | | | | | |
| 02140> | Maj-135 | Maj-208 | Maj-192 | 43.887 | 0.013 | 127.921 | 127.262 | 0 | 0 |
| 02141> | ;Street-A | | | | | | | | |
| 02142> | Maj-136 | Maj-219 | Maj-208 | 28.153 | 0.013 | 128.343 | 127.921 | 0 | 0 |
| 02143> | ;Street-B | | | | | | | | |
| 02144> | Maj-137 | Maj-209 | Maj-191 | 20.03 | 0.013 | 127.98 | 127.23 | 0 | 0 |
| 02145> | ;Street-B | | | | | | | | |
| 02146> | Maj-138 | Maj-219 | Maj-214 | 14.015 | 0.013 | 128.343 | 128.17 | 0 | 0 |
| 02147> | ;Street-F | | | | | | | | |
| 02148> | Maj-139 | Maj-222 | Maj-217 | 13 | 0.013 | 128.44 | 128.268 | 0 | 0 |
| 02149> | ;Street-A | | | | | | | | |
| 02150> | Maj-14 | Maj-22 | Maj-16 | 10.44 | 0.013 | 124.858 | 124.806 | 0 | 0 |
| 02151> | ;Street-F | | | | | | | | |
| 02152> | Maj-140 | Maj-218 | Maj-210 | 40 | 0.013 | 128.306 | 128.104 | 0 | 0 |
| 02153> | ;Street-B-North | | | | | | | | |
| 02154> | Maj-141 | Maj-219 | Maj-213 | 15 | 0.013 | 128.343 | 128.164 | 0 | 0 |
| 02155> | ;Street-K | | | | | | | | |
| 02156> | Maj-142 | Maj-220 | J1 | 13.4 | 0.013 | 128.397 | 128.396 | 0 | 0 |
| 02157> | ;Street-A | | | | | | | | |
| 02158> | Maj-143 | Maj-223 | Maj-219 | 11.847 | 0.013 | 128.479 | 128.343 | 0 | 0 |
| 02159> | ;Street-F | | | | | | | | |
| 02160> | Maj-144 | Maj-224 | Maj-217 | 52.856 | 0.013 | 128.532 | 128.268 | 0 | 0 |
| 02161> | ;Street-B-North | | | | | | | | |
| 02162> | Maj-145 | Maj-225 | Maj-216 | 57.775 | 0.013 | 128.554 | 128.266 | 0 | 0 |
| 02163> | ;Street-B | | | | | | | | |
| 02164> | Maj-146 | Maj-227 | Maj-209 | 19.86 | 0.013 | 128.73 | 127.98 | 0 | 0 |
| 02165> | ;Street-A | | | | | | | | |
| 02166> | Maj-147 | Maj-229 | Maj-223 | 20 | 0.013 | 128.76 | 128.479 | 0 | 0 |
| 02167> | ;Street-F | | | | | | | | |
| 02168> | Maj-149 | Maj-230 | Maj-226 | 28.562 | 0.013 | 128.828 | 128.685 | 0 | 0 |
| 02169> | ;Street-A | | | | | | | | |
| 02170> | Maj-15 | Maj-27 | Maj-16 | 34.842 | 0.013 | 124.98 | 124.806 | 0 | 0 |
| 02171> | ;Street-B | | | | | | | | |
| 02172> | Maj-150 | Maj-236 | Maj-231 | 16.477 | 0.013 | 129.2 | 128.904 | 0 | 0 |
| 02173> | ;Street-B | | | | | | | | |
| 02174> | Maj-151 | Maj-231 | Maj-279 | 20 | 0.013 | 128.904 | 128.544 | 0 | 0 |
| 02175> | ;Street-E | | | | | | | | |
| 02176> | Maj-152 | Maj-238 | Maj-234 | 11.5 | 0.013 | 129.264 | 129.1 | 0 | 0 |
| 02177> | ;Street-B | | | | | | | | |
| 02178> | Maj-153 | Maj-235 | Maj-228 | 20 | 0.013 | 129.113 | 128.754 | 0 | 0 |
| 02179> | ;Street-B | | | | | | | | |
| 02180> | Maj-154 | Maj-246 | Maj-238 | 44.015 | 0.013 | 129.544 | 129.264 | 0 | 0 |
| 02181> | ;Street-D | | | | | | | | |
| 02182> | Maj-156 | Maj-244 | Maj-239 | 11.5 | 0.013 | 129.48 | 129.316 | 0 | 0 |
| 02183> | ;Street-B | | | | | | | | |
| 02184> | Maj-157 | Maj-240 | Maj-227 | 15.719 | 0.013 | 129.318 | 128.73 | 0 | 0 |
| 02185> | ;Street-T | | | | | | | | |
| 02186> | Maj-158 | Maj-271 | Maj-241 | 65.5 | 0.013 | 130.478 | 129.387 | 0 | 0 |
| 02187> | ;Street-T | | | | | | | | |
| 02188> | Maj-159 | Maj-246 | Maj-241 | 10.25 | 0.013 | 129.544 | 129.387 | 0 | 0 |
| 02189> | ;Street-C | | | | | | | | |
| 02190> | Maj-16 | Maj-28 | Maj-20 | 14.63 | 0.013 | 124.988 | 124.812 | 0 | 0 |
| 02191> | ;Street-A | | | | | | | | |
| 02192> | Maj-160 | Maj-242 | Maj-237 | 18 | 0.013 | 129.452 | 129.242 | 0 | 0 |
| 02193> | ;Street-A | | | | | | | | |
| 02194> | Maj-161 | Maj-242 | Maj-229 | 64.39 | 0.013 | 129.452 | 128.76 | 0 | 0 |
| 02195> | ;Street-B | | | | | | | | |
| 02196> | Maj-162 | Maj-243 | Maj-235 | 20 | 0.013 | 129.472 | 129.113 | 0 | 0 |
| 02197> | ;Street-B | | | | | | | | |
| 02198> | Maj-163 | Maj-244 | Maj-236 | 44.007 | 0.013 | 129.48 | 129.2 | 0 | 0 |
| 02199> | ;Street-B | | | | | | | | |
| 02200> | Maj-164 | Maj-245 | Maj-244 | 11.108 | 0.013 | 129.536 | 129.48 | 0 | 0 |
| 02201> | ;Street-B | | | | | | | | |
| 02202> | Maj-165 | Maj-245 | Maj-240 | 12.69 | 0.013 | 129.536 | 129.318 | 0 | 0 |
| 02203> | ;Street-B | | | | | | | | |
| 02204> | Maj-166 | Maj-248 | Maj-246 | 44.015 | 0.013 | 129.764 | 129.544 | 0 | 0 |
| 02205> | ;Street-E | | | | | | | | |
| 02206> | Maj-167 | Maj-248 | Maj-247 | 11.5 | 0.013 | 129.764 | 129.6 | 0 | 0 |
| 02207> | ;Street-B | | | | | | | | |
| 02208> | Maj-168 | Maj-248 | Maj-243 | 18.816 | 0.013 | 129.764 | 129.472 | 0 | 0 |
| 02209> | ;Street-A | | | | | | | | |
| 02210> | Maj-17 | Maj-28 | Maj-22 | 33.033 | 0.013 | 124.988 | 124.858 | 0 | 0 |
| 02211> | ;Street-E | | | | | | | | |
| 02212> | Maj-170 | Maj-249 | Maj-234 | 48.5 | 0.013 | 130.01 | 129.1 | 0 | 0 |
| 02213> | ;Street-D | | | | | | | | |
| 02214> | Maj-171 | Maj-250 | Maj-239 | 48.5 | 0.013 | 130.014 | 129.316 | 0 | 0 |
| 02215> | ;Street-E | | | | | | | | |
| 02216> | Maj-172 | Maj-252 | Maj-247 | 42.612 | 0.013 | 130.1 | 129.6 | 0 | 0 |
| 02217> | ;Lane-AA | | | | | | | | |
| 02218> | Maj-173 | Maj-264 | Maj-255 | 36.849 | 0.013 | 130.437 | 130.252 | 0 | 0 |
| 02219> | ;Street-D | | | | | | | | |
| 02220> | Maj-174 | Maj-267 | Maj-259 | 13.175 | 0.013 | 130.381 | 130.315 | 0 | 0 |
| 02221> | ;Street-E | | | | | | | | |
| 02222> | Maj-175 | Maj-271 | Maj-260 | 30.338 | 0.013 | 130.478 | 130.327 | 0 | 0 |
| 02223> | ;Street-E | | | | | | | | |
| 02224> | Maj-176 | Maj-271 | Maj-262 | 27.09 | 0.013 | 130.478 | 130.344 | 0 | 0 |
| 02225> | ;Street-F | | | | | | | | |

| | | | | | | | | | |
|--------|-----------------|-----------|-----------|--------|-------|---------|---------|---|---|
| 02226> | Maj-177 | Maj-226 | Maj-224 | 21.242 | 0.013 | 128.685 | 128.532 | 0 | 0 |
| 02227> | ;Street-B-North | | | | | | | | |
| 02228> | Maj-178 | Maj-222 | Maj-212 | 49.518 | 0.013 | 128.44 | 128.142 | 0 | 0 |
| 02229> | ;Street-B-North | | | | | | | | |
| 02230> | Maj-179_1 | Maj-212 | Maj-206_1 | 28.44 | 0.013 | 128.142 | 127.992 | 0 | 0 |
| 02231> | ;Street-B-North | | | | | | | | |
| 02232> | Maj-179_2 | Maj-206_1 | Maj-206 | 38.96 | 0.013 | 127.992 | 127.788 | 0 | 0 |
| 02233> | ;Street-G North | | | | | | | | |
| 02234> | Maj-180_1 | Maj-201 | Maj-201_1 | 42.33 | 0.013 | 127.532 | 127.302 | 0 | 0 |
| 02235> | ;Street-G North | | | | | | | | |
| 02236> | Maj-180_2 | Maj-201_1 | Maj-186 | 24.55 | 0.013 | 127.302 | 127.168 | 0 | 0 |
| 02237> | ;Street-H | | | | | | | | |
| 02238> | Maj-181 | Maj-170 | Maj-165 | 12.33 | 0.013 | 126.838 | 126.758 | 0 | 0 |
| 02239> | ;Street-H | | | | | | | | |
| 02240> | Maj-182 | Maj-150 | Maj-143 | 13.895 | 0.013 | 126.468 | 126.378 | 0 | 0 |
| 02241> | ;Street-H | | | | | | | | |
| 02242> | Maj-183 | Maj-135 | Maj-130 | 13.18 | 0.013 | 126.266 | 126.18 | 0 | 0 |
| 02243> | ;Street-H | | | | | | | | |
| 02244> | Maj-184 | Maj-124 | Maj-116 | 21.359 | 0.013 | 126.106 | 125.968 | 0 | 0 |
| 02245> | ;Street-A | | | | | | | | |
| 02246> | Maj-185 | Maj-53 | Maj-34 | 39.786 | 0.013 | 125.254 | 125.055 | 0 | 0 |
| 02247> | ;Street-P | | | | | | | | |
| 02248> | Maj-186 | Maj-36 | Maj-18 | 44.75 | 0.013 | 125.024 | 124.8 | 0 | 0 |
| 02249> | ;Street-P | | | | | | | | |
| 02250> | Maj-187 | Maj-61 | Maj-49 | 16.97 | 0.013 | 125.292 | 125.116 | 0 | 0 |
| 02251> | ;Street-P | | | | | | | | |
| 02252> | Maj-188 | Maj-61 | Maj-38 | 49.645 | 0.013 | 125.292 | 125.048 | 0 | 0 |
| 02253> | ;Street-P | | | | | | | | |
| 02254> | Maj-189 | Maj-28 | Maj-19 | 15.25 | 0.013 | 124.988 | 124.808 | 0 | 0 |
| 02255> | ;Street-O | | | | | | | | |
| 02256> | Maj-19 | Maj-31 | Maj-23 | 22.78 | 0.013 | 124.986 | 124.872 | 0 | 0 |
| 02257> | ;Street-C | | | | | | | | |
| 02258> | Maj-190 | Maj-75 | Maj-51 | 23.109 | 0.013 | 125.432 | 125.202 | 0 | 0 |
| 02259> | ;Street-Q | | | | | | | | |
| 02260> | Maj-191 | Maj-13 | Maj-5 | 19.996 | 0.013 | 124.694 | 124.234 | 0 | 0 |
| 02261> | ;Street-Q | | | | | | | | |
| 02262> | Maj-192 | Maj-49 | Maj-13 | 20.543 | 0.013 | 125.116 | 124.694 | 0 | 0 |
| 02263> | ;Street-Q | | | | | | | | |
| 02264> | Maj-193 | Maj-5 | Maj-0 | 26.101 | 0.013 | 124.234 | 123.802 | 0 | 0 |
| 02265> | ;Street-K | | | | | | | | |
| 02266> | Maj-194 | Maj-14 | Maj-8 | 23.683 | 0.013 | 124.743 | 124.506 | 0 | 0 |
| 02267> | ;Street-K | | | | | | | | |
| 02268> | Maj-195 | Maj-25 | Maj-14 | 20 | 0.013 | 124.943 | 124.743 | 0 | 0 |
| 02269> | ;Street-K | | | | | | | | |
| 02270> | Maj-196 | Maj-56 | Maj-30 | 53.68 | 0.013 | 125.268 | 125.012 | 0 | 0 |
| 02271> | ;Street-K | | | | | | | | |
| 02272> | Maj-197 | Maj-56 | Maj-37 | 34.996 | 0.013 | 125.268 | 125.078 | 0 | 0 |
| 02273> | ;Street-K | | | | | | | | |
| 02274> | Maj-198 | Maj-72 | Maj-55 | 34.319 | 0.013 | 125.435 | 125.263 | 0 | 0 |
| 02275> | ;Street-K | | | | | | | | |
| 02276> | Maj-199 | Maj-92 | Maj-72 | 39.999 | 0.013 | 125.642 | 125.435 | 0 | 0 |
| 02277> | ;Street-Q | | | | | | | | |
| 02278> | Maj-2 | Maj-6 | Maj-4 | 20 | 0.013 | 124.405 | 124.224 | 0 | 0 |
| 02279> | ;Street-A | | | | | | | | |
| 02280> | Maj-20 | Maj-33 | Maj-27 | 14.718 | 0.013 | 125.053 | 124.98 | 0 | 0 |
| 02281> | ;Street-K | | | | | | | | |
| 02282> | Maj-200 | Maj-121 | Maj-112 | 19.999 | 0.013 | 126.08 | 125.934 | 0 | 0 |
| 02283> | ;Street-G | | | | | | | | |
| 02284> | Maj-201 | Maj-127 | Maj-119 | 14.248 | 0.013 | 126.173 | 126.012 | 0 | 0 |
| 02285> | ;Street-G | | | | | | | | |
| 02286> | Maj-202 | Maj-127 | Maj-118 | 14.249 | 0.013 | 126.173 | 125.998 | 0 | 0 |
| 02287> | ;Street-G | | | | | | | | |
| 02288> | Maj-203 | Maj-133 | Maj-126 | 19.999 | 0.013 | 126.246 | 126.146 | 0 | 0 |
| 02289> | ;Street-G | | | | | | | | |
| 02290> | Maj-204 | Maj-138 | Maj-133 | 20 | 0.013 | 126.346 | 126.246 | 0 | 0 |
| 02291> | ;Street-G | | | | | | | | |
| 02292> | Maj-205 | Maj-145 | Maj-138 | 20.001 | 0.013 | 126.446 | 126.346 | 0 | 0 |
| 02293> | ;Street-G | | | | | | | | |
| 02294> | Maj-206 | Maj-154 | Maj-145 | 35.999 | 0.013 | 126.58 | 126.446 | 0 | 0 |
| 02295> | ;Street-M | | | | | | | | |
| 02296> | Maj-208 | Maj-110 | Maj-100 | 31.171 | 0.013 | 125.856 | 125.698 | 0 | 0 |
| 02297> | ;Street-K | | | | | | | | |
| 02298> | Maj-209 | Maj-137 | Maj-129 | 21.324 | 0.013 | 126.309 | 126.209 | 0 | 0 |
| 02299> | ;Street-K | | | | | | | | |
| 02300> | Maj-21 | Maj-55 | Maj-37 | 37.004 | 0.013 | 125.263 | 125.078 | 0 | 0 |
| 02301> | ;Street-K | | | | | | | | |
| 02302> | Maj-210 | Maj-142 | Maj-137 | 18.676 | 0.013 | 126.409 | 126.309 | 0 | 0 |
| 02303> | ;Street-K | | | | | | | | |
| 02304> | Maj-211 | Maj-187 | Maj-175 | 19.998 | 0.013 | 127.194 | 126.954 | 0 | 0 |
| 02305> | ;Street-K | | | | | | | | |
| 02306> | Maj-212 | Maj-220 | Maj-204 | 26.559 | 0.013 | 128.397 | 127.695 | 0 | 0 |
| 02307> | ;Street-D | | | | | | | | |
| 02308> | Maj-213 | Maj-236 | Maj-233 | 11.481 | 0.013 | 129.2 | 129.036 | 0 | 0 |
| 02309> | ;Street-E | | | | | | | | |
| 02310> | Maj-214 | Maj-260 | Maj-258 | 10.711 | 0.013 | 130.327 | 130.314 | 0 | 0 |
| 02311> | ;Street-E | | | | | | | | |
| 02312> | Maj-215 | Maj-262 | Maj-278 | 20.039 | 0.013 | 130.344 | 130.202 | 0 | 0 |
| 02313> | ;Street-B | | | | | | | | |
| 02314> | Maj-216 | Maj-228 | Maj-214 | 35.091 | 0.013 | 128.754 | 128.17 | 0 | 0 |

| | | | | | | | | | |
|--------|-----------------|---------|--------------------|--------|-------|---------|---------|---|---|
| 02315> | ;Street-G North | | | | | | | | |
| 02316> | Maj-217 | Maj-196 | Maj-185 | 33.217 | 0.013 | 127.342 | 127.142 | 0 | 0 |
| 02317> | ;Street-B-North | | | | | | | | |
| 02318> | Maj-218 | Maj-225 | Maj-222 | 19.247 | 0.013 | 128.554 | 128.44 | 0 | 0 |
| 02319> | ;Street-B-North | | | | | | | | |
| 02320> | Maj-219 | Maj-216 | Maj-213 | 18.45 | 0.013 | 128.266 | 128.164 | 0 | 0 |
| 02321> | ;Street-O | | | | | | | | |
| 02322> | Maj-22 | Maj-56 | Maj-39 | 15.25 | 0.013 | 125.268 | 125.074 | 0 | 0 |
| 02323> | ;Street-K | | | | | | | | |
| 02324> | Maj-220 | Maj-204 | Maj-187 | 19.996 | 0.013 | 127.695 | 127.194 | 0 | 0 |
| 02325> | ;Street-U | | | | | | | | |
| 02326> | Maj-221 | Maj-147 | Maj-105 | 48.71 | 0.013 | 126.448 | 125.814 | 0 | 0 |
| 02327> | ;Street-P | | | | | | | | |
| 02328> | Maj-222 | Maj-97 | Maj-76 | 46.991 | 0.013 | 125.674 | 125.438 | 0 | 0 |
| 02329> | ;Street-G North | | | | | | | | |
| 02330> | Maj-223 | Maj-186 | Maj-183 | 10.62 | 0.013 | 127.168 | 127.116 | 0 | 0 |
| 02331> | ;Street-U | | | | | | | | |
| 02332> | Maj-224 | Maj-157 | Maj-147 | 17.983 | 0.013 | 126.592 | 126.448 | 0 | 0 |
| 02333> | ;Street-C | | | | | | | | |
| 02334> | Maj-225 | Maj-32 | Maj-20 | 20 | 0.013 | 125.002 | 124.812 | 0 | 0 |
| 02335> | ;Street-Q | | | | | | | | |
| 02336> | Maj-226 | Maj-2 | Maj-1 | 21.165 | 0.013 | 124.008 | 123.902 | 0 | 0 |
| 02337> | ;Street-L | | | | | | | | |
| 02338> | Maj-227 | Maj-189 | Maj-177 | 44.935 | 0.013 | 127.202 | 126.978 | 0 | 0 |
| 02339> | ;Street-Q | | | | | | | | |
| 02340> | Maj-228 | Maj-3 | Maj-2 | 21.781 | 0.013 | 124.11 | 124.008 | 0 | 0 |
| 02341> | ;Street-A | | | | | | | | |
| 02342> | Maj-229 | Maj-140 | Maj-106 | 48.902 | 0.013 | 126.387 | 125.87 | 0 | 0 |
| 02343> | ;Street-N | | | | | | | | |
| 02344> | Maj-23 | Maj-55 | Maj-41 | 15.25 | 0.013 | 125.263 | 125.084 | 0 | 0 |
| 02345> | ;Street-C | | | | | | | | |
| 02346> | Maj-230 | Maj-96 | Maj-86 | 24.977 | 0.013 | 125.67 | 125.544 | 0 | 0 |
| 02347> | ;Street-H | | | | | | | | |
| 02348> | Maj-231 | Maj-143 | Maj-135 | 21.663 | 0.013 | 126.378 | 126.266 | 0 | 0 |
| 02349> | ;Street-A | | | | | | | | |
| 02350> | Maj-232 | Maj-15 | Maj-11 | 18.082 | 0.013 | 124.747 | 124.657 | 0 | 0 |
| 02351> | ;Street-G | | | | | | | | |
| 02352> | Maj-233 | Maj-202 | Maj-194 | 27.475 | 0.013 | 127.584 | 127.31 | 0 | 0 |
| 02353> | ;Street-C | | | | | | | | |
| 02354> | Maj-234 | Maj-77 | Maj-64 | 19.996 | 0.013 | 125.444 | 125.334 | 0 | 0 |
| 02355> | ;Street-C | | | | | | | | |
| 02356> | Maj-235 | Maj-64 | Maj-54 | 19.535 | 0.013 | 125.334 | 125.228 | 0 | 0 |
| 02357> | ;Street-C | | | | | | | | |
| 02358> | Maj-236 | Maj-65 | Maj-54 | 20.464 | 0.013 | 125.34 | 125.228 | 0 | 0 |
| 02359> | ;Street-C | | | | | | | | |
| 02360> | Maj-237 | Maj-75 | Maj-65 | 16.703 | 0.013 | 125.432 | 125.34 | 0 | 0 |
| 02361> | ;Street-G | | | | | | | | |
| 02362> | Maj-238 | Maj-194 | Maj-182 | 21.688 | 0.013 | 127.31 | 127.092 | 0 | 0 |
| 02363> | ;Street-C | | | | | | | | |
| 02364> | Maj-239 | Maj-162 | Maj-144 | 27.992 | 0.013 | 126.698 | 126.382 | 0 | 0 |
| 02365> | ;Street-O | | | | | | | | |
| 02366> | Maj-24 | Maj-42 | Maj-31 | 20 | 0.013 | 125.086 | 124.986 | 0 | 0 |
| 02367> | ;Street-G | | | | | | | | |
| 02368> | Maj-240 | Maj-168 | Maj-162 | 23.028 | 0.013 | 126.816 | 126.698 | 0 | 0 |
| 02369> | ;Street-C | | | | | | | | |
| 02370> | Maj-241 | Maj-162 | Maj-153 | 12.007 | 0.013 | 126.698 | 126.54 | 0 | 0 |
| 02371> | ;Street-B | | | | | | | | |
| 02372> | Maj-242 | Maj-238 | Maj-221 | 42.726 | 0.013 | 129.264 | 128.422 | 0 | 0 |
| 02373> | ;Street-O | | | | | | | | |
| 02374> | Maj-243 | Maj-35 | Maj-23 | 28.765 | 0.013 | 125.024 | 124.872 | 0 | 0 |
| 02375> | ;Street-G | | | | | | | | |
| 02376> | Maj-244 | Maj-172 | Maj-168 | 19.999 | 0.013 | 126.922 | 126.816 | 0 | 0 |
| 02377> | ;Street-L | | | | | | | | |
| 02378> | Maj-245 | Maj-169 | Maj-166 | 10 | 0.013 | 126.824 | 126.786 | 0 | 0 |
| 02379> | ;Street-L | | | | | | | | |
| 02380> | Maj-246 | Maj-151 | Maj-136 | 44.133 | 0.013 | 126.486 | 126.266 | 0 | 0 |
| 02381> | ;Street-L | | | | | | | | |
| 02382> | Maj-247 | Maj-146 | Maj-136 | 11.5 | 0.013 | 126.43 | 126.266 | 0 | 0 |
| 02383> | ;Street-P | | | | | | | | |
| 02384> | Maj-248 | Maj-45 | Maj-36 | 19.997 | 0.013 | 125.14 | 125.024 | 0 | 0 |
| 02385> | ;Street-J | | | | | | | | |
| 02386> | Maj-249 | Maj-120 | Maj-111 | 11.25 | 0.013 | 126.038 | 125.876 | 0 | 0 |
| 02387> | ;Street-K | | | | | | | | |
| 02388> | Maj-25 | Maj-44 | Maj-25 | 20 | 0.013 | 125.143 | 124.943 | 0 | 0 |
| 02389> | ;Street-C | | | | | | | | |
| 02390> | Maj-250 | Maj-51 | Maj-32 | 20 | 0.013 | 125.202 | 125.002 | 0 | 0 |
| 02391> | ;Street-I | | | | | | | | |
| 02392> | Maj-251 | Maj-108 | Maj-94 | 40 | 0.013 | 125.852 | 125.652 | 0 | 0 |
| 02393> | ;Street-A | | | | | | | | |
| 02394> | Maj-252 | Maj-164 | Maj-158 | 16.879 | 0.013 | 126.785 | 126.642 | 0 | 0 |
| 02395> | ;Street-S | | | | | | | | |
| 02396> | Maj-253 | Maj-253 | Out_NEnclave_North | 36.392 | 0.013 | 130.258 | 128.973 | 0 | 0 |
| 02397> | ;Street-S | | | | | | | | |
| 02398> | Maj-254 | Maj-275 | Maj-253 | 24.147 | 0.013 | 130.822 | 130.258 | 0 | 0 |
| 02399> | ;Street-S | | | | | | | | |
| 02400> | Maj-255 | Maj-275 | Maj-274 | 15.746 | 0.013 | 130.822 | 130.743 | 0 | 0 |
| 02401> | ;Street-S | | | | | | | | |
| 02402> | Maj-256 | Maj-274 | Maj-272 | 19.944 | 0.013 | 130.743 | 130.643 | 0 | 0 |
| 02403> | ;Street-S | | | | | | | | |

| | | | | | | | | | |
|--------|-----------------|---------|---------|--------|-------|---------|---------|---|---|
| 02404> | Maj-257 | Maj-272 | Maj-269 | 19.919 | 0.013 | 130.643 | 130.571 | 0 | 0 |
| 02405> | ;Street-S | | | | | | | | |
| 02406> | Maj-258 | Maj-269 | Maj-266 | 19.979 | 0.013 | 130.571 | 130.671 | 0 | 0 |
| 02407> | ;Street-S | | | | | | | | |
| 02408> | Maj-259 | Maj-270 | Maj-266 | 20 | 0.013 | 130.664 | 130.671 | 0 | 0 |
| 02409> | ;Street-K | | | | | | | | |
| 02410> | Maj-26 | Maj-46 | Maj-40 | 20 | 0.013 | 125.206 | 125.106 | 0 | 0 |
| 02411> | ;Street-S | | | | | | | | |
| 02412> | Maj-260 | Maj-273 | Maj-270 | 19.869 | 0.013 | 130.564 | 130.664 | 0 | 0 |
| 02413> | ;Street-S | | | | | | | | |
| 02414> | Maj-261 | Maj-273 | Maj-268 | 21.975 | 0.013 | 130.564 | 130.432 | 0 | 0 |
| 02415> | ;Street-S | | | | | | | | |
| 02416> | Maj-262 | Maj-268 | Maj-261 | 18.724 | 0.013 | 130.432 | 130.338 | 0 | 0 |
| 02417> | ;Street-S | | | | | | | | |
| 02418> | Maj-263 | Maj-261 | Maj-256 | 29.39 | 0.013 | 130.338 | 130.191 | 0 | 0 |
| 02419> | ;Street-S | | | | | | | | |
| 02420> | Maj-264 | Maj-263 | Maj-256 | 16.148 | 0.013 | 130.352 | 130.191 | 0 | 0 |
| 02421> | ;Street-F | | | | | | | | |
| 02422> | Maj-266 | Maj-210 | Maj-207 | 40.496 | 0.013 | 128.104 | 127.82 | 0 | 0 |
| 02423> | ;Street-F | | | | | | | | |
| 02424> | Maj-267 | Maj-211 | Maj-207 | 52.112 | 0.013 | 128.14 | 127.82 | 0 | 0 |
| 02425> | ;Street-F | | | | | | | | |
| 02426> | Maj-268 | Maj-211 | Maj-206 | 67.119 | 0.013 | 128.14 | 127.788 | 0 | 0 |
| 02427> | ;Street-G North | | | | | | | | |
| 02428> | Maj-269 | Maj-197 | Maj-195 | 10.623 | 0.013 | 127.404 | 127.356 | 0 | 0 |
| 02429> | ;Street-O | | | | | | | | |
| 02430> | Maj-27 | Maj-47 | Maj-42 | 20 | 0.013 | 125.186 | 125.086 | 0 | 0 |
| 02431> | ;Street-G North | | | | | | | | |
| 02432> | Maj-270 | Maj-198 | Maj-195 | 10.624 | 0.013 | 127.39 | 127.356 | 0 | 0 |
| 02433> | ;Street-A | | | | | | | | |
| 02434> | Maj-271 | Maj-66 | Maj-34 | 57.765 | 0.013 | 125.373 | 125.055 | 0 | 0 |
| 02435> | ;Street-A | | | | | | | | |
| 02436> | Maj-272 | Maj-80 | Maj-66 | 22.228 | 0.013 | 125.495 | 125.373 | 0 | 0 |
| 02437> | ;Street-A | | | | | | | | |
| 02438> | Maj-273 | Maj-88 | Maj-80 | 19.996 | 0.013 | 125.605 | 125.495 | 0 | 0 |
| 02439> | ;Street-A | | | | | | | | |
| 02440> | Maj-274 | Maj-98 | Maj-88 | 19.997 | 0.013 | 125.714 | 125.605 | 0 | 0 |
| 02441> | ;Street-P | | | | | | | | |
| 02442> | Maj-275 | Maj-97 | Maj-89 | 13.006 | 0.013 | 125.674 | 125.59 | 0 | 0 |
| 02443> | ;Street-P | | | | | | | | |
| 02444> | Maj-276 | Maj-89 | Maj-59 | 39.999 | 0.013 | 125.59 | 125.292 | 0 | 0 |
| 02445> | ;Street-P | | | | | | | | |
| 02446> | Maj-277 | Maj-59 | Maj-43 | 23.548 | 0.013 | 125.292 | 125.214 | 0 | 0 |
| 02447> | ;Street-Q | | | | | | | | |
| 02448> | Maj-278 | Maj-1 | Maj-0 | 12.947 | 0.013 | 123.902 | 123.802 | 0 | 0 |
| 02449> | ;Street-K | | | | | | | | |
| 02450> | Maj-279 | Maj-30 | Maj-24 | 20.304 | 0.013 | 125.012 | 124.907 | 0 | 0 |
| 02451> | ;Street-O | | | | | | | | |
| 02452> | Maj-28 | Maj-48 | Maj-39 | 24.75 | 0.013 | 125.196 | 125.074 | 0 | 0 |
| 02453> | ;Street-K | | | | | | | | |
| 02454> | Maj-280 | Maj-29 | Maj-24 | 19.778 | 0.013 | 125.006 | 124.907 | 0 | 0 |
| 02455> | ;Street-K | | | | | | | | |
| 02456> | Maj-281 | Maj-40 | Maj-29 | 19.998 | 0.013 | 125.106 | 125.006 | 0 | 0 |
| 02457> | ;Street-M | | | | | | | | |
| 02458> | Maj-282 | Maj-131 | Maj-123 | 14.786 | 0.013 | 126.208 | 126.104 | 0 | 0 |
| 02459> | ;Street-M | | | | | | | | |
| 02460> | Maj-283 | Maj-117 | Maj-110 | 17.408 | 0.013 | 125.978 | 125.856 | 0 | 0 |
| 02461> | ;Street-M | | | | | | | | |
| 02462> | Maj-284 | Maj-100 | Maj-90 | 19.998 | 0.013 | 125.698 | 125.59 | 0 | 0 |
| 02463> | ;Street-L | | | | | | | | |
| 02464> | Maj-285 | Maj-177 | Maj-169 | 20.305 | 0.013 | 126.978 | 126.824 | 0 | 0 |
| 02465> | ;Street-L | | | | | | | | |
| 02466> | Maj-286 | Maj-193 | Maj-189 | 10.588 | 0.013 | 127.282 | 127.202 | 0 | 0 |
| 02467> | ;Street-L | | | | | | | | |
| 02468> | Maj-287 | Maj-193 | Maj-188 | 11.825 | 0.013 | 127.282 | 127.192 | 0 | 0 |
| 02469> | ;Street-D | | | | | | | | |
| 02470> | Maj-288 | Maj-267 | Maj-250 | 26.821 | 0.013 | 130.381 | 130.014 | 0 | 0 |
| 02471> | ;Street-D | | | | | | | | |
| 02472> | Maj-289 | Maj-259 | Maj-257 | 13.092 | 0.013 | 130.315 | 130.291 | 0 | 0 |
| 02473> | ;Street-P | | | | | | | | |
| 02474> | Maj-29 | Maj-49 | Maj-43 | 19.477 | 0.013 | 125.116 | 125.214 | 0 | 0 |
| 02475> | ;Street-D | | | | | | | | |
| 02476> | Maj-290 | Maj-257 | Maj-251 | 10 | 0.013 | 130.291 | 130.086 | 0 | 0 |
| 02477> | ;Street-D | | | | | | | | |
| 02478> | Maj-291 | Maj-251 | Maj-233 | 55.411 | 0.013 | 130.086 | 129.036 | 0 | 0 |
| 02479> | ;Lane-AA | | | | | | | | |
| 02480> | Maj-292 | Maj-257 | Maj-255 | 19.998 | 0.013 | 130.291 | 130.252 | 0 | 0 |
| 02481> | ;Lane-AA | | | | | | | | |
| 02482> | Maj-293 | Maj-264 | Maj-258 | 46.442 | 0.013 | 130.437 | 130.314 | 0 | 0 |
| 02483> | ;Street-E | | | | | | | | |
| 02484> | Maj-294 | Maj-258 | Maj-249 | 11.857 | 0.013 | 130.314 | 130.01 | 0 | 0 |
| 02485> | ;Street-U | | | | | | | | |
| 02486> | Maj-295 | Maj-114 | Maj-105 | 18.747 | 0.013 | 125.92 | 125.814 | 0 | 0 |
| 02487> | ;Street-P | | | | | | | | |
| 02488> | Maj-296 | Maj-38 | Maj-26 | 20.9 | 0.013 | 125.048 | 124.922 | 0 | 0 |
| 02489> | ;Street-F | | | | | | | | |
| 02490> | Maj-297 | Maj-276 | Maj-218 | 40.004 | 0.013 | 128.506 | 128.306 | 0 | 0 |
| 02491> | ;Street-F | | | | | | | | |
| 02492> | Maj-298 | Maj-230 | Maj-276 | 64.332 | 0.013 | 128.828 | 128.506 | 0 | 0 |

| | | | | | | | | | |
|--------|-----------|---------|---------|--------|-------|---------|---------|---|---|
| 02493> | ;Street-A | | | | | | | | |
| 02494> | Maj-299 | Maj-9 | Maj-277 | 17.137 | 0.013 | 124.542 | 124.305 | 0 | 0 |
| 02495> | ;Street-A | | | | | | | | |
| 02496> | Maj-3 | Maj-7 | Maj-6 | 10 | 0.013 | 124.444 | 124.405 | 0 | 0 |
| 02497> | ;Street-N | | | | | | | | |
| 02498> | Maj-30 | Maj-52 | Maj-41 | 24.75 | 0.013 | 125.208 | 125.084 | 0 | 0 |
| 02499> | ;Street-B | | | | | | | | |
| 02500> | Maj-300 | Maj-279 | Maj-221 | 10.426 | 0.013 | 128.544 | 128.422 | 0 | 0 |
| 02501> | ;Street-E | | | | | | | | |
| 02502> | Maj-301 | Maj-278 | Maj-252 | 13.713 | 0.013 | 130.202 | 130.1 | 0 | 0 |
| 02503> | Maj-303 | Maj-309 | Maj-305 | 21.35 | 0.013 | 129.77 | 129.588 | 0 | 0 |
| 02504> | Maj-304 | Maj-308 | Maj-311 | 32.86 | 0.013 | 130.453 | 130.288 | 0 | 0 |
| 02505> | Maj-305 | Maj-313 | Maj-309 | 19.24 | 0.013 | 129.866 | 129.77 | 0 | 0 |
| 02506> | Maj-306 | Maj-310 | Maj-313 | 19.45 | 0.013 | 129.964 | 129.866 | 0 | 0 |
| 02507> | Maj-307 | Maj-311 | Maj-314 | 39.89 | 0.013 | 130.288 | 130.088 | 0 | 0 |
| 02508> | Maj-308 | Maj-314 | Maj-312 | 39.89 | 0.013 | 130.088 | 129.889 | 0 | 0 |
| 02509> | Maj-309 | Maj-304 | Maj-302 | 22.54 | 0.013 | 129.727 | 129.479 | 0 | 0 |
| 02510> | ;Street-A | | | | | | | | |
| 02511> | Maj-31 | Maj-53 | Maj-33 | 40.212 | 0.013 | 125.254 | 125.053 | 0 | 0 |
| 02512> | Maj-310 | Maj-305 | Maj-302 | 17.33 | 0.013 | 129.588 | 129.479 | 0 | 0 |
| 02513> | Maj-311 | Maj-301 | Maj-303 | 29.65 | 0.013 | 130.51 | 130.127 | 0 | 0 |
| 02514> | Maj-312 | Maj-307 | Maj-308 | 18.77 | 0.013 | 130.576 | 130.453 | 0 | 0 |
| 02515> | Maj-313 | Maj-312 | Maj-309 | 20.65 | 0.013 | 129.889 | 129.77 | 0 | 0 |
| 02516> | Maj-314 | Maj-303 | Maj-304 | 39.89 | 0.013 | 130.127 | 129.727 | 0 | 0 |
| 02517> | Maj-315 | Maj-306 | Maj-307 | 11.92 | 0.013 | 130.636 | 130.576 | 0 | 0 |
| 02518> | Maj-316 | Maj-306 | Maj-270 | 16.27 | 0.013 | 130.636 | 130.664 | 0 | 0 |
| 02519> | Maj-317 | Maj-301 | Maj-268 | 11.71 | 0.013 | 130.51 | 130.432 | 0 | 0 |
| 02520> | ;Street-O | | | | | | | | |
| 02521> | Maj-32 | Maj-54 | Maj-35 | 19.572 | 0.013 | 125.228 | 125.024 | 0 | 0 |
| 02522> | ;Street-P | | | | | | | | |
| 02523> | Maj-33 | Maj-57 | Maj-45 | 20 | 0.013 | 125.24 | 125.14 | 0 | 0 |
| 02524> | ;Street-K | | | | | | | | |
| 02525> | Maj-34 | Maj-58 | Maj-46 | 20 | 0.013 | 125.306 | 125.206 | 0 | 0 |
| 02526> | ;Street-O | | | | | | | | |
| 02527> | Maj-35 | Maj-60 | Maj-47 | 20 | 0.013 | 125.286 | 125.186 | 0 | 0 |
| 02528> | ;Street-O | | | | | | | | |
| 02529> | Maj-36 | Maj-62 | Maj-48 | 20 | 0.013 | 125.296 | 125.196 | 0 | 0 |
| 02530> | ;Street-N | | | | | | | | |
| 02531> | Maj-37 | Maj-63 | Maj-52 | 20 | 0.013 | 125.306 | 125.208 | 0 | 0 |
| 02532> | ;Street-R | | | | | | | | |
| 02533> | Maj-38 | Maj-66 | Maj-50 | 14.5 | 0.013 | 125.373 | 125.196 | 0 | 0 |
| 02534> | ;Street-O | | | | | | | | |
| 02535> | Maj-39 | Maj-67 | Maj-62 | 10 | 0.013 | 125.342 | 125.296 | 0 | 0 |
| 02536> | ;Street-K | | | | | | | | |
| 02537> | Maj-4 | Maj-11 | Maj-8 | 15.997 | 0.013 | 124.657 | 124.506 | 0 | 0 |
| 02538> | ;Street-O | | | | | | | | |
| 02539> | Maj-40 | Maj-67 | Maj-60 | 11.035 | 0.013 | 125.342 | 125.286 | 0 | 0 |
| 02540> | ;Street-N | | | | | | | | |
| 02541> | Maj-41 | Maj-82 | Maj-68 | 11.4 | 0.013 | 125.506 | 125.344 | 0 | 0 |
| 02542> | ;Street-K | | | | | | | | |
| 02543> | Maj-42 | Maj-70 | Maj-58 | 15.8 | 0.013 | 125.385 | 125.306 | 0 | 0 |
| 02544> | ;Street-K | | | | | | | | |
| 02545> | Maj-43 | Maj-70 | Maj-44 | 24.2 | 0.013 | 125.385 | 125.143 | 0 | 0 |
| 02546> | ;Street-N | | | | | | | | |
| 02547> | Maj-44 | Maj-73 | Maj-63 | 20 | 0.013 | 125.406 | 125.306 | 0 | 0 |
| 02548> | ;Street-N | | | | | | | | |
| 02549> | Maj-45 | Maj-74 | Maj-68 | 17.147 | 0.013 | 125.43 | 125.344 | 0 | 0 |
| 02550> | ;Street-P | | | | | | | | |
| 02551> | Maj-46 | Maj-76 | Maj-57 | 40 | 0.013 | 125.438 | 125.24 | 0 | 0 |
| 02552> | ;Street-C | | | | | | | | |
| 02553> | Maj-47 | Maj-82 | Maj-77 | 30.353 | 0.013 | 125.506 | 125.444 | 0 | 0 |
| 02554> | ;Street-C | | | | | | | | |
| 02555> | Maj-48 | Maj-78 | Maj-69 | 18.647 | 0.013 | 125.444 | 125.352 | 0 | 0 |
| 02556> | ;Street-C | | | | | | | | |
| 02557> | Maj-49 | Maj-82 | Maj-79 | 10 | 0.013 | 125.506 | 125.458 | 0 | 0 |
| 02558> | ;Street-A | | | | | | | | |
| 02559> | Maj-5 | Maj-11 | Maj-9 | 17.287 | 0.013 | 124.657 | 124.542 | 0 | 0 |
| 02560> | ;Street-C | | | | | | | | |
| 02561> | Maj-50 | Maj-79 | Maj-69 | 21.353 | 0.013 | 125.458 | 125.352 | 0 | 0 |
| 02562> | ;Street-R | | | | | | | | |
| 02563> | Maj-51 | Maj-71 | Maj-50 | 10 | 0.013 | 125.386 | 125.196 | 0 | 0 |
| 02564> | ;Street-M | | | | | | | | |
| 02565> | Maj-53 | Maj-93 | Maj-81 | 15.25 | 0.013 | 125.646 | 125.466 | 0 | 0 |
| 02566> | ;Street-N | | | | | | | | |
| 02567> | Maj-54 | Maj-83 | Maj-73 | 20 | 0.013 | 125.506 | 125.406 | 0 | 0 |
| 02568> | ;Street-I | | | | | | | | |
| 02569> | Maj-55 | Maj-96 | Maj-84 | 11.25 | 0.013 | 125.67 | 125.508 | 0 | 0 |
| 02570> | ;Street-N | | | | | | | | |
| 02571> | Maj-56 | Maj-85 | Maj-74 | 20 | 0.013 | 125.528 | 125.43 | 0 | 0 |
| 02572> | ;Street-C | | | | | | | | |
| 02573> | Maj-57 | Maj-86 | Maj-78 | 20 | 0.013 | 125.544 | 125.444 | 0 | 0 |
| 02574> | ;Street-M | | | | | | | | |
| 02575> | Maj-58 | Maj-90 | Maj-81 | 24.75 | 0.013 | 125.59 | 125.466 | 0 | 0 |
| 02576> | ;Street-N | | | | | | | | |
| 02577> | Maj-59 | Maj-91 | Maj-83 | 20 | 0.013 | 125.606 | 125.506 | 0 | 0 |
| 02578> | ;Street-A | | | | | | | | |
| 02579> | Maj-6 | Maj-10 | Maj-6 | 32.317 | 0.013 | 124.566 | 124.405 | 0 | 0 |
| 02580> | ;Street-K | | | | | | | | |
| 02581> | Maj-60 | Maj-93 | Maj-87 | 11.003 | 0.013 | 125.646 | 125.591 | 0 | 0 |

| | | | | | | | | | |
|--------|-----------|-----------|-----------|--------|-------|---------|---------|---|---|
| 02582> | ;Street-N | | | | | | | | |
| 02583> | Maj-61 | Maj-95 | Maj-91 | 12.223 | 0.013 | 125.668 | 125.606 | 0 | 0 |
| 02584> | ;Street-N | | | | | | | | |
| 02585> | Maj-62 | Maj-95 | Maj-85 | 27.777 | 0.013 | 125.668 | 125.528 | 0 | 0 |
| 02586> | ;Street-H | | | | | | | | |
| 02587> | Maj-63 | Maj-106 | Maj-99 | 15 | 0.013 | 125.87 | 125.702 | 0 | 0 |
| 02588> | ;Street-K | | | | | | | | |
| 02589> | Maj-64 | Maj-102 | Maj-93 | 19.221 | 0.013 | 125.787 | 125.646 | 0 | 0 |
| 02590> | ;Street-K | | | | | | | | |
| 02591> | Maj-65 | Maj-103 | Maj-87 | 40 | 0.013 | 125.791 | 125.591 | 0 | 0 |
| 02592> | ;Street-K | | | | | | | | |
| 02593> | Maj-66 | Maj-103 | Maj-92 | 29.776 | 0.013 | 125.791 | 125.642 | 0 | 0 |
| 02594> | ;Street-A | | | | | | | | |
| 02595> | Maj-67 | Maj-104 | Maj-98 | 20 | 0.013 | 125.814 | 125.714 | 0 | 0 |
| 02596> | ;Street-A | | | | | | | | |
| 02597> | Maj-68 | Maj-106 | Maj-104 | 11.098 | 0.013 | 125.87 | 125.814 | 0 | 0 |
| 02598> | ;Street-I | | | | | | | | |
| 02599> | Maj-69 | Maj-107 | Maj-106 | 31.419 | 0.013 | 125.848 | 125.87 | 0 | 0 |
| 02600> | ;Street-A | | | | | | | | |
| 02601> | Maj-7 | Maj-15 | Maj-10 | 36.141 | 0.013 | 124.747 | 124.566 | 0 | 0 |
| 02602> | ;Street-I | | | | | | | | |
| 02603> | Maj-70 | Maj-94 | Maj-84 | 28.75 | 0.013 | 125.652 | 125.508 | 0 | 0 |
| 02604> | ;Street-I | | | | | | | | |
| 02605> | Maj-71 | Maj-114 | Maj-108 | 13.72 | 0.013 | 125.92 | 125.852 | 0 | 0 |
| 02606> | ;Street-C | | | | | | | | |
| 02607> | Maj-72 | Maj-109 | Maj-101 | 20 | 0.013 | 125.852 | 125.752 | 0 | 0 |
| 02608> | ;Street-K | | | | | | | | |
| 02609> | Maj-73 | Maj-112 | Maj-102 | 20 | 0.013 | 125.934 | 125.787 | 0 | 0 |
| 02610> | ;Street-H | | | | | | | | |
| 02611> | Maj-74 | Maj-116 | Maj-113 | 10.767 | 0.013 | 125.968 | 125.914 | 0 | 0 |
| 02612> | ;Street-H | | | | | | | | |
| 02613> | Maj-75 | Maj-113 | Maj-99 | 44.4 | 0.013 | 125.914 | 125.702 | 0 | 0 |
| 02614> | ;Street-C | | | | | | | | |
| 02615> | Maj-76 | Maj-115 | Maj-109 | 20 | 0.013 | 125.952 | 125.852 | 0 | 0 |
| 02616> | ;Street-C | | | | | | | | |
| 02617> | Maj-77 | Maj-120 | Maj-115 | 17.161 | 0.013 | 126.038 | 125.952 | 0 | 0 |
| 02618> | ;Street-I | | | | | | | | |
| 02619> | Maj-78 | Maj-122 | Maj-107 | 20 | 0.013 | 126.048 | 125.848 | 0 | 0 |
| 02620> | ;Street-M | | | | | | | | |
| 02621> | Maj-79 | Maj-123 | Maj-117 | 25.236 | 0.013 | 126.104 | 125.978 | 0 | 0 |
| 02622> | ;Street-A | | | | | | | | |
| 02623> | Maj-8 | Maj-17 | Maj-7 | 49.228 | 0.013 | 124.812 | 124.444 | 0 | 0 |
| 02624> | ;Street-J | | | | | | | | |
| 02625> | Maj-80 | Maj-125 | Maj-111 | 28.75 | 0.013 | 126.12 | 125.876 | 0 | 0 |
| 02626> | ;Street-G | | | | | | | | |
| 02627> | Maj-81 | Maj-126 | Maj-119 | 26.679 | 0.013 | 126.146 | 126.012 | 0 | 0 |
| 02628> | ;Street-K | | | | | | | | |
| 02629> | Maj-82 | Maj-127 | Maj-121 | 12.508 | 0.013 | 126.173 | 126.08 | 0 | 0 |
| 02630> | ;Street-I | | | | | | | | |
| 02631> | Maj-83 | Maj-128 | Maj-114 | 46.279 | 0.013 | 126.152 | 125.92 | 0 | 0 |
| 02632> | ;Street-I | | | | | | | | |
| 02633> | Maj-84 | Maj-128 | Maj-122 | 40 | 0.013 | 126.152 | 126.048 | 0 | 0 |
| 02634> | ;Street-K | | | | | | | | |
| 02635> | Maj-85 | Maj-129 | Maj-127 | 10 | 0.013 | 126.209 | 126.173 | 0 | 0 |
| 02636> | ;Street-H | | | | | | | | |
| 02637> | Maj-86 | Maj-130 | Maj-124 | 14.688 | 0.013 | 126.18 | 126.106 | 0 | 0 |
| 02638> | ;Street-C | | | | | | | | |
| 02639> | Maj-87 | Maj-132 | Maj-120 | 22.839 | 0.013 | 126.222 | 126.038 | 0 | 0 |
| 02640> | ;Street-G | | | | | | | | |
| 02641> | Maj-88 | Maj-139 | Maj-118 | 44.821 | 0.013 | 126.334 | 125.998 | 0 | 0 |
| 02642> | ;Street-G | | | | | | | | |
| 02643> | Maj-89 | Maj-146 | Maj-139 | 12.741 | 0.013 | 126.43 | 126.334 | 0 | 0 |
| 02644> | ;Street-A | | | | | | | | |
| 02645> | Maj-9 | Maj-17 | Maj-12 | 21.332 | 0.013 | 124.812 | 124.706 | 0 | 0 |
| 02646> | ;Street-M | | | | | | | | |
| 02647> | Maj-90 | Maj-134 | Maj-131 | 25.08 | 0.013 | 126.266 | 126.208 | 0 | 0 |
| 02648> | ;Street-B | | | | | | | | |
| 02649> | Maj-91 | Maj-152 | Maj-141 | 10.72 | 0.013 | 126.53 | 126.372 | 0 | 0 |
| 02650> | ;Street-C | | | | | | | | |
| 02651> | Maj-92 | Maj-144 | Maj-132 | 20 | 0.013 | 126.382 | 126.222 | 0 | 0 |
| 02652> | ;Street-J | | | | | | | | |
| 02653> | Maj-93 | Maj-148 | Maj-125 | 40 | 0.013 | 126.456 | 126.12 | 0 | 0 |
| 02654> | ;Street-G | | | | | | | | |
| 02655> | Maj-94 | Maj-149 | Maj-146 | 10 | 0.013 | 126.466 | 126.43 | 0 | 0 |
| 02656> | ;Street-G | | | | | | | | |
| 02657> | Maj-95_1 | Maj-167 | Maj-167_1 | 38.13 | 0.013 | 126.79 | 126.6 | 0 | 0 |
| 02658> | ;Street-G | | | | | | | | |
| 02659> | Maj-95_2 | Maj-167_1 | Maj-149 | 26.46 | 0.013 | 126.6 | 126.466 | 0 | 0 |
| 02660> | ;Street-K | | | | | | | | |
| 02661> | Maj-96 | Maj-152 | Maj-142 | 24.101 | 0.013 | 126.53 | 126.409 | 0 | 0 |
| 02662> | ;Street-B | | | | | | | | |
| 02663> | Maj-97 | Maj-155 | Maj-141 | 12 | 0.013 | 126.582 | 126.372 | 0 | 0 |
| 02664> | ;Street-H | | | | | | | | |
| 02665> | Maj-98 | Maj-165 | Maj-156 | 33.482 | 0.013 | 126.758 | 126.59 | 0 | 0 |
| 02666> | ;Street-H | | | | | | | | |
| 02667> | Maj-99 | Maj-156 | Maj-150 | 24.438 | 0.013 | 126.59 | 126.468 | 0 | 0 |
| 02668> | MH-100 | MH-100 | MH-101 | 63.94 | 0.013 | 127.457 | 125.217 | 0 | 0 |
| 02669> | MH-101 | MH-101 | MH-90 | 35.98 | 0.013 | 125.197 | 124.945 | 0 | 0 |
| 02670> | MH-53_1 | MH-53 | MH-52 | 63.5 | 0.013 | 127.838 | 126.568 | 0 | 0 |

| | | | | | | | | | |
|--------|--------------|----------|---------------|--------|-------|---------|---------|---|--------|
| 02671> | MH-809 | MH-809 | MH-OGS2 | 10 | 0.013 | 125.602 | 125.502 | 0 | 0.0505 |
| 02672> | MH-810 | MH-809 | BioSwale-East | 25.92 | 0.035 | 127.894 | 125.5 | 0 | 0 |
| 02673> | MH-OGS2 | MH-OGS2 | BioSwale-East | 10 | 0.013 | 125.502 | 125.5 | 0 | 0 |
| 02674> | Min_Spill_53 | MH-72 | Maj-188 | 4.071 | 0.013 | 127.304 | 127.192 | 0 | 0 |
| 02675> | Min_Spill_1 | MH-29 | RYD-139 | 10.481 | 0.013 | 123.991 | 123.85 | 0 | 0 |
| 02676> | Min_Spill_10 | MH-6 | Maj-197 | 5.982 | 0.013 | 127.546 | 127.404 | 0 | 0 |
| 02677> | Min_Spill_11 | MH-35 | Maj-194 | 10 | 0.013 | 127.548 | 127.31 | 0 | 0 |
| 02678> | Min_Spill_12 | MH-7 | Maj-206 | 2.542 | 0.013 | 127.916 | 127.788 | 0 | 0 |
| 02679> | Min_Spill_13 | MH-200_1 | Maj-269 | 1.724 | 0.013 | 130.695 | 130.571 | 0 | 0 |
| 02680> | ;Street-S | | | | | | | | |
| 02681> | Min_Spill_14 | Maj-263 | Maj-280 | 10.72 | 0.013 | 130.352 | 130.24 | 0 | 0 |
| 02682> | Min_Spill_15 | MH-12 | Maj-186 | 10 | 0.013 | 127.405 | 127.168 | 0 | 0 |
| 02683> | Min_Spill_16 | MH-87 | Maj-8 | 10 | 0.013 | 124.719 | 124.506 | 0 | 0 |
| 02684> | Min_Spill_17 | MH-203 | Maj-268 | 10 | 0.013 | 130.561 | 130.432 | 0 | 0 |
| 02685> | Min_Spill_18 | MH-201 | Maj-270 | 10 | 0.013 | 130.796 | 130.664 | 0 | 0 |
| 02686> | Min_Spill_19 | MH-111 | Maj-192 | 10 | 0.013 | 127.357 | 127.262 | 0 | 0 |
| 02687> | Min_Spill_2 | MH-19_1 | Maj-99 | 10 | 0.013 | 125.96 | 125.702 | 0 | 0 |
| 02688> | Min_Spill_20 | MH-200 | Maj-274 | 40.857 | 0.013 | 130.85 | 130.743 | 0 | 0 |
| 02689> | Min_Spill_21 | MH-52 | Maj-214 | 10 | 0.013 | 128.762 | 128.17 | 0 | 0 |
| 02690> | Min_Spill_22 | MH-117_1 | Maj-16 | 10 | 0.013 | 125.08 | 124.806 | 0 | 0 |
| 02691> | Min_Spill_23 | MH_1_1 | Maj-218 | 10 | 0.013 | 128.458 | 128.306 | 0 | 0 |
| 02692> | Min_Spill_24 | MH-119 | Maj-12 | 10 | 0.013 | 124.902 | 124.706 | 0 | 0 |
| 02693> | Min_Spill_25 | MH-106 | Maj-6 | 10 | 0.013 | 124.5 | 124.405 | 0 | 0 |
| 02694> | Min_Spill_26 | MH-107 | Maj-12 | 10 | 0.013 | 124.854 | 124.706 | 0 | 0 |
| 02695> | Min_Spill_27 | MH-30 | Maj-2 | 10 | 0.013 | 124.163 | 124.008 | 0 | 0 |
| 02696> | Min_Spill_28 | MH-40 | Maj-252 | 10 | 0.013 | 130.342 | 130.1 | 0 | 0 |
| 02697> | Min_Spill_29 | MH-90 | Maj-152 | 10 | 0.013 | 126.628 | 126.53 | 0 | 0 |
| 02698> | Min_Spill_3 | MH-19 | Maj-116 | 10 | 0.013 | 126.123 | 125.968 | 0 | 0 |
| 02699> | Min_Spill_30 | MH-44 | Maj-241 | 10 | 0.013 | 130.297 | 129.387 | 0 | 0 |
| 02700> | Min_Spill_31 | MH-39 | Maj-249 | 10 | 0.013 | 130.329 | 130.01 | 0 | 0 |
| 02701> | Min_Spill_32 | MH-21 | Maj-76 | 10 | 0.013 | 125.734 | 125.438 | 0 | 0 |
| 02702> | Min_Spill_33 | MH-105 | Maj-277 | 10 | 0.013 | 124.488 | 124.305 | 0 | 0 |
| 02703> | Min_Spill_34 | MH-204 | Maj-256 | 4.07 | 0.013 | 130.339 | 130.191 | 0 | 0 |
| 02704> | Min_Spill_35 | MH-22 | Maj-36 | 10 | 0.013 | 125.206 | 125.024 | 0 | 0 |
| 02705> | Min_Spill_36 | MH-16 | Maj-143 | 10 | 0.013 | 126.552 | 126.378 | 0 | 0 |
| 02706> | Min_Spill_37 | MH-18 | Maj-116 | 10 | 0.013 | 126.206 | 125.968 | 0 | 0 |
| 02707> | Min_Spill_38 | MH-17 | Maj-130 | 10 | 0.013 | 126.359 | 126.18 | 0 | 0 |
| 02708> | Min_Spill_39 | MH-13 | Maj-185 | 10 | 0.013 | 127.306 | 127.142 | 0 | 0 |
| 02709> | Min_Spill_4 | MH-113 | Maj-104 | 10 | 0.013 | 125.955 | 125.814 | 0 | 0 |
| 02710> | Min_Spill_40 | MH-20 | Maj-71 | 10 | 0.013 | 125.578 | 125.386 | 0 | 0 |
| 02711> | Min_Spill_41 | MH-112 | Maj-158 | 10 | 0.013 | 126.761 | 126.642 | 0 | 0 |
| 02712> | Min_Spill_42 | MH-109 | Maj-242 | 10 | 0.013 | 129.548 | 129.452 | 0 | 0 |
| 02713> | Min_Spill_43 | MH-116 | Maj-34 | 10 | 0.013 | 125.149 | 125.055 | 0 | 0 |
| 02714> | Min_Spill_44 | MH-85 | Maj-90 | 16.842 | 0.013 | 125.801 | 125.59 | 0 | 0 |
| 02715> | Min_Spill_45 | MH-51 | Maj-236 | 10 | 0.013 | 129.264 | 129.2 | 0 | 0 |
| 02716> | Min_Spill_46 | MH-807 | Maj-303 | 10 | 0.013 | 130.347 | 130.127 | 0 | 0 |
| 02717> | Min_Spill_47 | MH-800 | Maj-307 | 12 | 0.013 | 130.694 | 130.576 | 0 | 0 |
| 02718> | Min_Spill_48 | MH-45 | Maj-250 | 10 | 0.013 | 130.3 | 130.014 | 0 | 0 |
| 02719> | Min_Spill_49 | MH_59_1 | Maj-180 | 10 | 0.013 | 127.6 | 127.042 | 0 | 0 |
| 02720> | Min_Spill_5 | MH-12_1 | Maj-183 | 10 | 0.013 | 127.361 | 127.116 | 0 | 0 |
| 02721> | Min_Spill_50 | MH-202 | Maj-273 | 10 | 0.013 | 130.641 | 130.564 | 0 | 0 |
| 02722> | Min_Spill_51 | MH-80 | Maj-133 | 4.972 | 0.013 | 126.347 | 126.246 | 0 | 0 |
| 02723> | Min_Spill_52 | MH-56 | Maj-20 | 10 | 0.013 | 125.027 | 124.812 | 0 | 0 |
| 02724> | Min_Spill_53 | MH-120 | Maj-198 | 10 | 0.013 | 127.503 | 127.39 | 0 | 0 |
| 02725> | Min_Spill_6 | MH-33 | Maj-160 | 14.06 | 0.013 | 126.637 | 126.65 | 0 | 0 |
| 02726> | Min_Spill_7 | MH-31 | Maj-107 | 10.74 | 0.013 | 125.869 | 125.848 | 0 | 0 |
| 02727> | Min_Spill_8 | MH-1 | Maj-210 | 10 | 0.013 | 128.222 | 128.104 | 0 | 0 |
| 02728> | Min_Spill_9 | MH-49 | RYD-141 | 13.227 | 0.013 | 128.047 | 127.87 | 0 | 0 |
| 02729> | ;Street-16 | | | | | | | | |
| 02730> | Min-1_1 | MH-1 | MH_1_1 | 47.2 | 0.013 | 126.055 | 125.89 | 0 | 0 |
| 02731> | ;Street-16 | | | | | | | | |
| 02732> | Min-1_2 | MH_1_1 | MH-2 | 40.3 | 0.013 | 125.89 | 125.749 | 0 | 0 |
| 02733> | ;Street-17 | | | | | | | | |
| 02734> | Min-10 | MH-10 | MH-11 | 20.81 | 0.013 | 124.433 | 124.349 | 0 | 0 |
| 02735> | ;Street-13 | | | | | | | | |
| 02736> | Min-105_1 | MH-105 | MH_105_1 | 83.32 | 0.013 | 122.171 | 122.004 | 0 | 0 |
| 02737> | ;Street-13 | | | | | | | | |
| 02738> | Min-105_2 | MH_105_1 | MH-106 | 28.41 | 0.013 | 122.004 | 121.947 | 0 | 0 |
| 02739> | ;Street-13 | | | | | | | | |
| 02740> | Min-106 | MH-106 | MH-107 | 70.67 | 0.013 | 121.797 | 121.584 | 0 | 0 |
| 02741> | ;Street-28 | | | | | | | | |
| 02742> | Min-107 | MH-107 | MH-108 | 23.63 | 0.013 | 121.534 | 121.464 | 0 | 0 |
| 02743> | ;Street-28 | | | | | | | | |
| 02744> | Min-108 | MH-108 | SFBG-4-5 | 10 | 0.013 | 121.414 | 121.4 | 0 | 0 |
| 02745> | ;Street-13 | | | | | | | | |
| 02746> | Min-109 | MH-109 | MH-110 | 99.73 | 0.013 | 126.587 | 125.387 | 0 | 0 |
| 02747> | ;Street-17 | | | | | | | | |
| 02748> | Min-11 | MH-11 | MH-110 | 31.03 | 0.013 | 124.299 | 124.175 | 0 | 0 |
| 02749> | ;Street-13 | | | | | | | | |
| 02750> | Min-110 | MH-110 | MH-111 | 71.8 | 0.013 | 124.062 | 123.81 | 0 | 0 |
| 02751> | ;Street-13 | | | | | | | | |
| 02752> | Min-111 | MH-111 | MH-112 | 71.93 | 0.013 | 123.79 | 123.502 | 0 | 0 |
| 02753> | ;Street-13 | | | | | | | | |
| 02754> | Min-112 | MH-112 | MH-113 | 76.62 | 0.013 | 123.482 | 123.174 | 0 | 0 |
| 02755> | ;Street-13 | | | | | | | | |
| 02756> | Min-113 | MH-113 | MH-114 | 36.41 | 0.013 | 123.154 | 122.972 | 0 | 0 |
| 02757> | ;Street-13 | | | | | | | | |
| 02758> | Min-114 | MH-114 | MH-115 | 56 | 0.013 | 122.952 | 122.672 | 0 | 0 |
| 02759> | ;Street-13 | | | | | | | | |

| | | | | | | | | | |
|--------|--------------|-----------|---------------|--------|-------|---------|---------|---|--------|
| 02760> | Min-115 | MH-115 | MH-116 | 55.23 | 0.013 | 122.492 | 122.326 | 0 | 0 |
| 02761> | ;Street-13 | | | | | | | | |
| 02762> | Min-116 | MH-116 | MH-117 | 92.15 | 0.013 | 122.183 | 121.952 | 0 | 0 |
| 02763> | ;Street-13 | | | | | | | | |
| 02764> | Min-117_1 | MH-117 | MH-117_1 | 36.68 | 0.013 | 121.932 | 121.84 | 0 | 0 |
| 02765> | ;Street-13 | | | | | | | | |
| 02766> | Min-117_2 | MH-117_1 | MH-118 | 45.42 | 0.013 | 121.84 | 121.726 | 0 | 0 |
| 02767> | ;Street-13 | | | | | | | | |
| 02768> | Min-118 | MH-118 | MH-119 | 34.14 | 0.013 | 121.706 | 121.604 | 0 | 0 |
| 02769> | ;Street-28 | | | | | | | | |
| 02770> | Min-119 | MH-119 | MH-1190 | 29.5 | 0.013 | 121.604 | 121.515 | 0 | 0 |
| 02771> | ;Street-28 | | | | | | | | |
| 02772> | Min-1190 | MH-1190 | SFBG-4-5 | 5 | 0.013 | 121.515 | 121.5 | 0 | 0 |
| 02773> | ;Street-18 | | | | | | | | |
| 02774> | Min-12_1 | MH-12 | MH-12_1 | 46.77 | 0.013 | 124.946 | 124.665 | 0 | 0 |
| 02775> | ;Street-18 | | | | | | | | |
| 02776> | Min-12_2 | MH-12_1 | MH-13 | 58.27 | 0.013 | 124.665 | 124.313 | 0 | 0 |
| 02777> | ;Street-18 | | | | | | | | |
| 02778> | Min-120 | MH-120 | MH-12 | 78.25 | 0.013 | 125.296 | 125.021 | 0 | 0 |
| 02779> | ;Street-18 | | | | | | | | |
| 02780> | Min-13 | MH-13 | MH-111 | 35.05 | 0.013 | 124.263 | 124.053 | 0 | 0 |
| 02781> | ;Street-09 | | | | | | | | |
| 02782> | Min-14_1 | MH-14 | MH-14_1 | 22.38 | 0.013 | 124.529 | 124.439 | 0 | 0 |
| 02783> | ;Street-09 | | | | | | | | |
| 02784> | Min-14_2 | MH-14_1 | MH-16 | 47.72 | 0.013 | 124.439 | 124.247 | 0 | 0 |
| 02785> | ;Street-09 | | | | | | | | |
| 02786> | Min-16 | MH-16 | MH-17 | 33.4 | 0.013 | 124.172 | 124.038 | 0 | 0 |
| 02787> | ;Street-09 | | | | | | | | |
| 02788> | Min-17 | MH-17 | MH-18 | 28.1 | 0.013 | 123.988 | 123.876 | 0 | 0 |
| 02789> | ;Street-09 | | | | | | | | |
| 02790> | Min-18 | MH-18 | MH-19 | 14.9 | 0.013 | 123.826 | 123.766 | 0 | 0 |
| 02791> | ;Street-09 | | | | | | | | |
| 02792> | Min-19_1 | MH-19 | MH-19_1 | 37.84 | 0.013 | 123.691 | 123.539 | 0 | 0 |
| 02793> | ;Street-09 | | | | | | | | |
| 02794> | Min-19_2 | MH-19_1 | MH-113 | 39.72 | 0.013 | 123.539 | 123.379 | 0 | 0 |
| 02795> | ;Street-16 | | | | | | | | |
| 02796> | Min-2 | MH-2 | MH-3 | 100 | 0.013 | 125.674 | 125.324 | 0 | 0 |
| 02797> | ;Street-06 | | | | | | | | |
| 02798> | Min-20 | MH-20 | MH-115 | 38.93 | 0.013 | 123.257 | 122.867 | 0 | 0 |
| 02799> | ;Street-23 | | | | | | | | |
| 02800> | Min-200_1 | MH-200 | MH-200_1 | 1 | 0.013 | 128.485 | 128.481 | 0 | 0 |
| 02801> | ;Street-23 | | | | | | | | |
| 02802> | Min-200_2 | MH-200_1 | MH-201 | 37 | 0.013 | 128.481 | 128.333 | 0 | 0 |
| 02803> | ;Street-23 | | | | | | | | |
| 02804> | Min-201 | MH-201 | MH-202 | 30.35 | 0.013 | 127.958 | 127.897 | 0 | 0 |
| 02805> | ;Street-23 | | | | | | | | |
| 02806> | Min-202 | MH-202 | MH-203 | 14.5 | 0.013 | 127.847 | 127.818 | 0 | 0 |
| 02807> | ;Street-23 | | | | | | | | |
| 02808> | Min-203 | MH-203 | MH-204 | 51.5 | 0.013 | 127.768 | 127.665 | 0 | 0 |
| 02809> | ;Street-34 | | | | | | | | |
| 02810> | Min-204 | MH-204 | OGS | 8 | 0.013 | 127.365 | 127.305 | 0 | 0.0505 |
| 02811> | Min-204-Over | OGS_Spill | MH-205 | 9 | 0.013 | 127.365 | 127.23 | 0 | 0 |
| 02812> | ;Street-33 | | | | | | | | |
| 02813> | Min-205 | MH-205 | BioSwale-West | 30.5 | 0.013 | 126.861 | 126.8 | 0 | 0 |
| 02814> | ;Street-22 | | | | | | | | |
| 02815> | Min-21 | MH-21 | MH-22 | 104.71 | 0.013 | 123.547 | 122.917 | 0 | 0 |
| 02816> | ;Street-22 | | | | | | | | |
| 02817> | Min-22 | MH-22 | MH-117 | 72.62 | 0.013 | 122.842 | 122.404 | 0 | 0 |
| 02818> | ;Street-22 | | | | | | | | |
| 02819> | Min-23 | MH-23 | MH-24 | 37 | 0.013 | 123.569 | 123.439 | 0 | 0 |
| 02820> | ;Street-22 | | | | | | | | |
| 02821> | Min-24 | MH-24 | MH-25 | 15 | 0.013 | 123.389 | 123.337 | 0 | 0 |
| 02822> | ;Street-22 | | | | | | | | |
| 02823> | Min-25 | MH-25 | MH-26 | 36 | 0.013 | 123.112 | 122.986 | 0 | 0 |
| 02824> | ;Street-22 | | | | | | | | |
| 02825> | Min-26_1 | MH-26 | MH_26_1 | 30.56 | 0.013 | 122.936 | 122.829 | 0 | 0 |
| 02826> | ;Street-22 | | | | | | | | |
| 02827> | Min-26_2 | MH_26_1 | MH-27 | 35.94 | 0.013 | 122.829 | 122.703 | 0 | 0 |
| 02828> | ;Street-22 | | | | | | | | |
| 02829> | Min-27 | MH-27 | MH-118 | 49.05 | 0.013 | 122.628 | 122.456 | 0 | 0 |
| 02830> | ;Street-24 | | | | | | | | |
| 02831> | Min-28 | MH-28 | MH-29 | 56 | 0.013 | 122.293 | 122.181 | 0 | 0 |
| 02832> | ;Street-24 | | | | | | | | |
| 02833> | Min-29 | MH-29 | MH-30 | 36 | 0.013 | 122.131 | 122.059 | 0 | 0 |
| 02834> | ;Street-16 | | | | | | | | |
| 02835> | Min-3 | MH-3 | MH-9 | 78.5 | 0.013 | 125.244 | 124.969 | 0 | 0 |
| 02836> | ;Street-24 | | | | | | | | |
| 02837> | Min-30 | MH-30 | MH-106 | 53.32 | 0.013 | 121.984 | 121.877 | 0 | 0 |
| 02838> | ;Street-94 | | | | | | | | |
| 02839> | Min-302 | MH-302 | MH-303 | 46 | 0.013 | 114.676 | 114.561 | 0 | 0 |
| 02840> | ;Street-29 | | | | | | | | |
| 02841> | Min-303 | MH-303 | MH-304 | 22.5 | 0.013 | 114.561 | 114.505 | 0 | 0 |
| 02842> | ;Street-29 | | | | | | | | |
| 02843> | Min-304 | MH-304 | To_J6358.901 | 62 | 0.013 | 114.455 | 114.3 | 0 | 0 |
| 02844> | ;Street-11 | | | | | | | | |
| 02845> | Min-31 | MH-31 | MH-32 | 92.5 | 0.013 | 123.828 | 123.273 | 0 | 0 |
| 02846> | ;Street-11 | | | | | | | | |
| 02847> | Min-32_1 | MH-32 | MH-32_1 | 43.09 | 0.013 | 123.16 | 123.073 | 0 | 0 |
| 02848> | ;Street-11 | | | | | | | | |

| | | | | | | | | | |
|--------|------------|---------|---------|-------|-------|---------|---------|---|---|
| 02849> | Min-32_3 | MH-32_1 | MH-32_3 | 41.66 | 0.013 | 123.073 | 122.99 | 0 | 0 |
| 02850> | ;Street-11 | | | | | | | | |
| 02851> | Min-32_4 | MH-32_3 | MH-62 | 35.24 | 0.013 | 122.99 | 122.919 | 0 | 0 |
| 02852> | ;Street-14 | | | | | | | | |
| 02853> | Min-33 | MH-33 | MH-34 | 93.9 | 0.013 | 124.557 | 123.993 | 0 | 0 |
| 02854> | ;Street-14 | | | | | | | | |
| 02855> | Min-34_1 | MH-34 | MH-34_1 | 38.78 | 0.013 | 123.693 | 123.615 | 0 | 0 |
| 02856> | ;Street-14 | | | | | | | | |
| 02857> | Min-34_3 | MH-34_1 | MH-34_2 | 45.17 | 0.013 | 123.615 | 123.525 | 0 | 0 |
| 02858> | ;Street-14 | | | | | | | | |
| 02859> | Min-34_4 | MH-34_2 | MH-61 | 37.87 | 0.013 | 123.525 | 123.449 | 0 | 0 |
| 02860> | ;Street-03 | | | | | | | | |
| 02861> | Min-35 | MH-35 | MH-36 | 78.77 | 0.013 | 125.317 | 124.922 | 0 | 0 |
| 02862> | ;Street-03 | | | | | | | | |
| 02863> | Min-36_1 | MH-36 | MH-36_1 | 33 | 0.013 | 124.847 | 124.616 | 0 | 0 |
| 02864> | ;Street-03 | | | | | | | | |
| 02865> | Min-36_2 | MH-36_1 | MH-37 | 52.33 | 0.013 | 124.616 | 124.249 | 0 | 0 |
| 02866> | ;Street-03 | | | | | | | | |
| 02867> | Min-37 | MH-37 | MH-60 | 29.67 | 0.013 | 124.199 | 123.989 | 0 | 0 |
| 02868> | ;Street-25 | | | | | | | | |
| 02869> | Min-38 | MH-38 | MH-48 | 10 | 0.013 | 127.735 | 127.681 | 0 | 0 |
| 02870> | ;Street-25 | | | | | | | | |
| 02871> | Min-39 | MH-39 | MH-38 | 75.88 | 0.013 | 128.279 | 127.785 | 0 | 0 |
| 02872> | ;Street-17 | | | | | | | | |
| 02873> | Min-4 | MH-4 | MH-5 | 21 | 0.013 | 125.959 | 125.875 | 0 | 0 |
| 02874> | ;Street-04 | | | | | | | | |
| 02875> | Min-40 | MH-40 | MH-53 | 68.77 | 0.013 | 128.155 | 127.534 | 0 | 0 |
| 02876> | Min-400 | MH-400 | MH-401 | 3 | 0.013 | 122 | 121.985 | 0 | 0 |
| 02877> | Min-401 | MH-401 | MH-302 | 73 | 0.013 | 114.858 | 114.676 | 0 | 0 |
| 02878> | Min-402 | MH-402 | MH-401 | 2 | 0.013 | 119.004 | 118.986 | 0 | 0 |
| 02879> | Min-403 | MH-403 | MH-402 | 17.12 | 0.013 | 119.263 | 119.229 | 0 | 0 |
| 02880> | ;Street-04 | | | | | | | | |
| 02881> | Min-41 | MH-41 | MH-42 | 75.9 | 0.013 | 128.335 | 127.879 | 0 | 0 |
| 02882> | Min-41-1 | MH-41 | MH-40 | 11 | 0.013 | 128.304 | 128.205 | 0 | 0 |
| 02883> | ;Street-04 | | | | | | | | |
| 02884> | Min-42 | MH-42 | MH-43 | 10.87 | 0.013 | 127.829 | 127.763 | 0 | 0 |
| 02885> | ;Street-04 | | | | | | | | |
| 02886> | Min-43 | MH-43 | MH-55 | 67.29 | 0.013 | 127.713 | 126.701 | 0 | 0 |
| 02887> | ;Street-02 | | | | | | | | |
| 02888> | Min-44 | MH-44 | MH-54 | 58.14 | 0.013 | 128.209 | 127.097 | 0 | 0 |
| 02889> | ;Street-15 | | | | | | | | |
| 02890> | Min-45 | MH-45 | MH-50 | 69.84 | 0.013 | 128.14 | 127.195 | 0 | 0 |
| 02891> | Min-45_1 | MH-46 | MH-45 | 11 | 0.013 | 128.339 | 128.19 | 0 | 0 |
| 02892> | ;Street-15 | | | | | | | | |
| 02893> | Min-46 | MH-46 | MH-47 | 32.46 | 0.013 | 128.376 | 127.905 | 0 | 0 |
| 02894> | ;Street-15 | | | | | | | | |
| 02895> | Min-47 | MH-47 | MH-48 | 11.87 | 0.013 | 127.855 | 127.681 | 0 | 0 |
| 02896> | ;Street-15 | | | | | | | | |
| 02897> | Min-48 | MH-48 | MH-51 | 67.67 | 0.013 | 127.606 | 126.926 | 0 | 0 |
| 02898> | ;Street-17 | | | | | | | | |
| 02899> | Min-49 | MH-49 | MH-4 | 19 | 0.013 | 126.085 | 126.009 | 0 | 0 |
| 02900> | ;Street-17 | | | | | | | | |
| 02901> | Min-5 | MH-5 | MH-7 | 68 | 0.013 | 125.8 | 125.528 | 0 | 0 |
| 02902> | ;Street-08 | | | | | | | | |
| 02903> | Min-50 | MH-50 | MH-51 | 48.38 | 0.013 | 127.115 | 126.921 | 0 | 0 |
| 02904> | Min-500 | MH-500 | MH-501 | 54.29 | 0.013 | 123.588 | 123.179 | 0 | 0 |
| 02905> | Min-501 | MH-501 | MH-5010 | 57 | 0.013 | 123.093 | 122.124 | 0 | 0 |
| 02906> | Min-5010 | MH-5010 | MH-503 | 33 | 0.013 | 122.049 | 121.884 | 0 | 0 |
| 02907> | Min-502 | MH-502 | MH-503 | 80.5 | 0.013 | 123.47 | 122.826 | 0 | 0 |
| 02908> | Min-503 | MH-503 | MH-505 | 81.09 | 0.013 | 121.729 | 120.914 | 0 | 0 |
| 02909> | Min-504 | MH-504 | MH-505 | 9 | 0.013 | 121.229 | 121.139 | 0 | 0 |
| 02910> | Min-505 | MH-505 | MH-506 | 89.71 | 0.013 | 120.764 | 120.404 | 0 | 0 |
| 02911> | Min-506 | MH-506 | MH-507 | 52.64 | 0.013 | 120.354 | 120.142 | 0 | 0 |
| 02912> | Min-507 | MH-507 | MH-511 | 12.88 | 0.013 | 120.092 | 120.04 | 0 | 0 |
| 02913> | Min-508 | MH-508 | MH-509 | 72 | 0.013 | 121.768 | 121.444 | 0 | 0 |
| 02914> | Min-509 | MH-509 | MH-510 | 74.68 | 0.013 | 120.99 | 120.802 | 0 | 0 |
| 02915> | ;Street-08 | | | | | | | | |
| 02916> | Min-51 | MH-51 | MH-59 | 42.08 | 0.013 | 126.846 | 125.901 | 0 | 0 |
| 02917> | Min-510 | MH-510 | MH-511 | 13.37 | 0.013 | 120.752 | 120.718 | 0 | 0 |
| 02918> | Min-511 | MH-511 | MH-512 | 28.66 | 0.013 | 119.89 | 119.833 | 0 | 0 |
| 02919> | Min-512 | MH-512 | MH-514 | 144 | 0.013 | 119.703 | 119.415 | 0 | 0 |
| 02920> | Min-514 | MH-514 | MH-403 | 25.58 | 0.013 | 119.365 | 119.313 | 0 | 0 |
| 02921> | ;Street-08 | | | | | | | | |
| 02922> | Min-52 | MH-52 | MH-110 | 39.84 | 0.013 | 125.152 | 124.512 | 0 | 0 |
| 02923> | ;Street-08 | | | | | | | | |
| 02924> | Min-53 | MH-53 | MH-54 | 47.89 | 0.013 | 127.454 | 127.022 | 0 | 0 |
| 02925> | ;Street-08 | | | | | | | | |
| 02926> | Min-54 | MH-54 | MH-55 | 43.9 | 0.013 | 126.947 | 126.551 | 0 | 0 |
| 02927> | ;Street-08 | | | | | | | | |
| 02928> | Min-55 | MH-55 | MH-59 | 42.83 | 0.013 | 126.476 | 125.831 | 0 | 0 |
| 02929> | ;Street-12 | | | | | | | | |
| 02930> | Min-56 | MH-56 | MH-57 | 42.74 | 0.013 | 122.98 | 122.851 | 0 | 0 |
| 02931> | ;Street-12 | | | | | | | | |
| 02932> | Min-57 | MH-57 | MH-58 | 45.27 | 0.013 | 122.776 | 122.662 | 0 | 0 |
| 02933> | ;Street-12 | | | | | | | | |
| 02934> | Min-58 | MH-58 | MH-66 | 8.5 | 0.013 | 122.511 | 122.49 | 0 | 0 |
| 02935> | ;Street-12 | | | | | | | | |
| 02936> | Min-59_1 | MH-59 | MH_59_1 | 39.16 | 0.013 | 125.751 | 124.772 | 0 | 0 |
| 02937> | ;Street-12 | | | | | | | | |

| | | | | | | | | | |
|--------|------------|-------------|---------------|--------|-------|---------|---------|---|---|
| 02938> | Min-59_2 | MH_59_1 | MH-60 | 32.75 | 0.013 | 124.772 | 123.951 | 0 | 0 |
| 02939> | ;Street-18 | | | | | | | | |
| 02940> | Min-6 | MH-6 | MH-7 | 54.5 | 0.013 | 125.655 | 125.491 | 0 | 0 |
| 02941> | ;Street-12 | | | | | | | | |
| 02942> | Min-60 | MH-60 | MH-61 | 70.52 | 0.013 | 123.801 | 123.449 | 0 | 0 |
| 02943> | ;Street-12 | | | | | | | | |
| 02944> | Min-61_1 | MH-61 | MH_61_1 | 37.81 | 0.013 | 123.299 | 123.11 | 0 | 0 |
| 02945> | ;Street-12 | | | | | | | | |
| 02946> | Min-61_2 | MH_61_1 | MH-62 | 38.14 | 0.013 | 123.11 | 122.919 | 0 | 0 |
| 02947> | ;Street-12 | | | | | | | | |
| 02948> | Min-62_1 | MH-62 | MH_62_1 | 49.97 | 0.013 | 122.599 | 122.499 | 0 | 0 |
| 02949> | ;Street-12 | | | | | | | | |
| 02950> | Min-62_2 | MH_62_1 | MH-63 | 40.395 | 0.013 | 122.499 | 122.418 | 0 | 0 |
| 02951> | ;Street-12 | | | | | | | | |
| 02952> | Min-63 | MH-63 | MH-65 | 63.247 | 0.013 | 122.418 | 122.291 | 0 | 0 |
| 02953> | ;Street-12 | | | | | | | | |
| 02954> | Min-65 | MH-65 | MH-66 | 12.94 | 0.013 | 122.291 | 122.265 | 0 | 0 |
| 02955> | ;Street-07 | | | | | | | | |
| 02956> | Min-66 | MH-66 | MH-67 | 28 | 0.013 | 122.115 | 122.059 | 0 | 0 |
| 02957> | ;Street-07 | | | | | | | | |
| 02958> | Min-67 | MH-67 | MH-68 | 12.5 | 0.013 | 122.059 | 122.034 | 0 | 0 |
| 02959> | ;Street-27 | | | | | | | | |
| 02960> | Min-68 | MH-68 | MH-680 | 37 | 0.013 | 121.384 | 121.31 | 0 | 0 |
| 02961> | ;Street-27 | | | | | | | | |
| 02962> | Min-680 | MH-680 | SFBG-4-5 | 5 | 0.013 | 121.31 | 121.3 | 0 | 0 |
| 02963> | ;Street-07 | | | | | | | | |
| 02964> | Min-69_1 | MH-69 | MH_69_1 | 55.74 | 0.013 | 123.057 | 122.778 | 0 | 0 |
| 02965> | ;Street-07 | | | | | | | | |
| 02966> | Min-69_2 | MH_69_1 | MH-70 | 63.26 | 0.013 | 122.778 | 122.459 | 0 | 0 |
| 02967> | ;Street-17 | | | | | | | | |
| 02968> | Min-7_1 | MH-7 | MH_7_1 | 38.33 | 0.013 | 125.378 | 125.225 | 0 | 0 |
| 02969> | ;Street-17 | | | | | | | | |
| 02970> | Min-7_2 | MH-7_1 | MH-8 | 33.67 | 0.013 | 125.225 | 125.09 | 0 | 0 |
| 02971> | ;Street-07 | | | | | | | | |
| 02972> | Min-70 | MH-70 | MH-68 | 10.11 | 0.013 | 122.409 | 122.359 | 0 | 0 |
| 02973> | ;Street-01 | | | | | | | | |
| 02974> | Min-72 | MH-72 | MH-77 | 130 | 0.013 | 125.149 | 124.304 | 0 | 0 |
| 02975> | ;Street-01 | | | | | | | | |
| 02976> | Min-75_1 | MH-75 | MH_75_1 | 40.6 | 0.013 | 124.63 | 124.386 | 0 | 0 |
| 02977> | ;Street-01 | | | | | | | | |
| 02978> | Min-75_3 | MH_75_1 | MH_75_2 | 50.7 | 0.013 | 124.386 | 124.082 | 0 | 0 |
| 02979> | ;Street-01 | | | | | | | | |
| 02980> | Min-75_4 | MH_75_2 | MH-78 | 38.7 | 0.013 | 124.082 | 123.85 | 0 | 0 |
| 02981> | Min-77 | MH-77 | MH-60 | 68 | 0.013 | 124.734 | 124.326 | 0 | 0 |
| 02982> | ;Street-03 | | | | | | | | |
| 02983> | Min-77_1 | MH-77 | MH_77_1 | 38.8 | 0.013 | 124.154 | 123.998 | 0 | 0 |
| 02984> | ;Street-03 | | | | | | | | |
| 02985> | Min-77_2 | MH_77_1 | MH-78 | 37.03 | 0.013 | 123.998 | 123.85 | 0 | 0 |
| 02986> | ;Street-03 | | | | | | | | |
| 02987> | Min-78 | MH-78 | MH-92 | 67.09 | 0.013 | 123.625 | 123.355 | 0 | 0 |
| 02988> | ;Street-03 | | | | | | | | |
| 02989> | Min-79 | MH-79 | MH-80 | 86.5 | 0.013 | 124.357 | 123.925 | 0 | 0 |
| 02990> | ;Street-17 | | | | | | | | |
| 02991> | Min-8 | MH-8 | MH-9 | 48.65 | 0.013 | 125.015 | 124.819 | 0 | 0 |
| 02992> | ;Street-03 | | | | | | | | |
| 02993> | Min-80 | MH-80 | MH-92 | 59 | 0.013 | 123.875 | 123.58 | 0 | 0 |
| 02994> | Min-800 | MH-800 | MH-801 | 15.68 | 0.013 | 127.894 | 127.816 | 0 | 0 |
| 02995> | Min-801 | MH-801 | MH-802 | 12.19 | 0.013 | 127.766 | 127.706 | 0 | 0 |
| 02996> | Min-802 | MH-802 | MH-803 | 123.69 | 0.013 | 127.556 | 126.936 | 0 | 0 |
| 02997> | Min-803 | MH-803 | MH-805 | 14.69 | 0.013 | 126.886 | 126.814 | 0 | 0 |
| 02998> | Min-804 | MH-804 | MH-805 | 32.41 | 0.013 | 127.046 | 126.884 | 0 | 0 |
| 02999> | Min-805 | MH-805 | MH-806 | 25.08 | 0.013 | 126.734 | 126.609 | 0 | 0 |
| 03000> | Min-806 | MH-806 | MH-809 | 26.66 | 0.013 | 126.559 | 126.427 | 0 | 0 |
| 03001> | Min-807 | MH-807 | MH-808 | 63.02 | 0.013 | 127.342 | 126.712 | 0 | 0 |
| 03002> | Min-808 | MH-808 | MH-809 | 10 | 0.013 | 126.662 | 126.572 | 0 | 0 |
| 03003> | Min-809 | OGS_Spill_2 | BioSwale-East | 20.39 | 0.013 | 125.602 | 125.5 | 0 | 0 |
| 03004> | ;Street-19 | | | | | | | | |
| 03005> | Min-81 | MH-81 | MH-82 | 23.5 | 0.013 | 124.185 | 124.091 | 0 | 0 |
| 03006> | ;Street-19 | | | | | | | | |
| 03007> | Min-82_1 | MH-82 | MH_82_1 | 26.59 | 0.013 | 123.941 | 123.835 | 0 | 0 |
| 03008> | ;Street-19 | | | | | | | | |
| 03009> | Min-82_2 | MH_82_1 | MH-83 | 18.41 | 0.013 | 123.835 | 123.761 | 0 | 0 |
| 03010> | ;Street-19 | | | | | | | | |
| 03011> | Min-83 | MH-83 | MH-84 | 8 | 0.013 | 123.711 | 123.675 | 0 | 0 |
| 03012> | ;Street-19 | | | | | | | | |
| 03013> | Min-84 | MH-84 | MH-85 | 41.873 | 0.013 | 123.6 | 123.411 | 0 | 0 |
| 03014> | ;Street-19 | | | | | | | | |
| 03015> | Min-85 | MH-85 | MH-93 | 59.054 | 0.013 | 123.298 | 123.062 | 0 | 0 |
| 03016> | ;Street-20 | | | | | | | | |
| 03017> | Min-87 | MH-87 | MH-88 | 87.83 | 0.013 | 122.538 | 122.318 | 0 | 0 |
| 03018> | ;Street-20 | | | | | | | | |
| 03019> | Min-88 | MH-88 | MH-89 | 75.55 | 0.013 | 122.243 | 122.091 | 0 | 0 |
| 03020> | ;Street-20 | | | | | | | | |
| 03021> | Min-89 | MH-89 | MH-98 | 11.83 | 0.013 | 122.041 | 122.017 | 0 | 0 |
| 03022> | ;Street-17 | | | | | | | | |
| 03023> | Min-9 | MH-9 | MH-10 | 58.91 | 0.013 | 124.744 | 124.508 | 0 | 0 |
| 03024> | ;Street-20 | | | | | | | | |
| 03025> | Min-90 | MH-90 | MH-91 | 37.2 | 0.013 | 124.865 | 124.49 | 0 | 0 |
| 03026> | ;Street-20 | | | | | | | | |

| | | | | | | | | |
|-------------------|----------|----------|--------|-------|---------|---------|---|---|
| 03027> Min-91 | MH-91 | MH-92 | 31.88 | 0.013 | 124.47 | 123.43 | 0 | 0 |
| 03028> ;Street-20 | | | | | | | | |
| 03029> Min-92_1 | MH-92 | MH_92_1 | 38.9 | 0.013 | 123.13 | 123.032 | 0 | 0 |
| 03030> ;Street-20 | | | | | | | | |
| 03031> Min-92_2 | MH_92_1 | MH-93 | 32.91 | 0.013 | 123.032 | 122.95 | 0 | 0 |
| 03032> ;Street-20 | | | | | | | | |
| 03033> Min-93_1 | MH-93 | MH_93_1 | 67.14 | 0.013 | 122.837 | 122.602 | 0 | 0 |
| 03034> ;Street-20 | | | | | | | | |
| 03035> Min-93_2 | MH_93_1 | MH-94 | 48.34 | 0.013 | 122.602 | 122.431 | 0 | 0 |
| 03036> ;Street-20 | | | | | | | | |
| 03037> Min-94_2 | MH_94_2 | MH-96 | 50.38 | 0.013 | 122.157 | 121.98 | 0 | 0 |
| 03038> ;Street-20 | | | | | | | | |
| 03039> Min-94_3 | MH-94 | MH_94_1 | 37.39 | 0.013 | 122.431 | 122.3 | 0 | 0 |
| 03040> ;Street-20 | | | | | | | | |
| 03041> Min-94_4 | MH_94_1 | MH_94_2 | 40.73 | 0.013 | 122.3 | 122.157 | 0 | 0 |
| 03042> ;Street-20 | | | | | | | | |
| 03043> Min-96 | MH-96 | MH-97 | 46.68 | 0.013 | 121.98 | 121.816 | 0 | 0 |
| 03044> ;Street-20 | | | | | | | | |
| 03045> Min-97 | MH-97 | MH-98 | 12.37 | 0.013 | 121.816 | 121.77 | 0 | 0 |
| 03046> ;Street-26 | | | | | | | | |
| 03047> Min-98 | MH-98 | MH-99 | 26.18 | 0.013 | 121.603 | 121.444 | 0 | 0 |
| 03048> ;Street-26 | | | | | | | | |
| 03049> Min-99 | MH-99 | MH-990 | 17.5 | 0.013 | 121.444 | 121.339 | 0 | 0 |
| 03050> ;Street-26 | | | | | | | | |
| 03051> Min-990 | MH-990 | SFBG-4-5 | 6.5 | 0.013 | 121.339 | 121.3 | 0 | 0 |
| 03052> ;Street-34 | | | | | | | | |
| 03053> Min-OGS | OGS | MH-205 | 10 | 0.013 | 127.225 | 127.199 | 0 | 0 |
| 03054> RYP-1 | RCB-4 | MH-49 | 32.5 | 0.013 | 126.76 | 126.395 | 0 | 0 |
| 03055> RYP-10 | RCB-26 | MH-16 | 54.29 | 0.013 | 125.5 | 124.965 | 0 | 0 |
| 03056> RYP-11 | RCB-36 | MH-16 | 38.21 | 0.013 | 125.11 | 124.7 | 0 | 0 |
| 03057> RYP-12 | RCB-37 | MH-19_1 | 36.43 | 0.013 | 124.8 | 124.43 | 0 | 0 |
| 03058> RYP-125 | RCB-39_3 | MH-501 | 29.5 | 0.013 | 123.07 | 122.92 | 0 | 0 |
| 03059> RYP-13 | RCB-67 | MH_26_1 | 37.22 | 0.013 | 123.94 | 123.56 | 0 | 0 |
| 03060> RYP-14 | RCB-63 | MH-27 | 37.77 | 0.013 | 123.8 | 123.42 | 0 | 0 |
| 03061> RYP-143 | RYD-143 | MH-304 | 5.782 | 0.013 | 120.38 | 120.34 | 0 | 0 |
| 03062> RYP-15 | RCB-61 | MH-27 | 38.43 | 0.013 | 123.66 | 123.27 | 0 | 0 |
| 03063> RYP-16 | RCB-68 | MH-30 | 45.95 | 0.013 | 123.06 | 122.62 | 0 | 0 |
| 03064> RYP-17 | RCB-64 | MH-119 | 37.4 | 0.013 | 123.61 | 123.24 | 0 | 0 |
| 03065> RYP-2 | RCB-3 | MH-7 | 32.476 | 0.013 | 126.73 | 126.4 | 0 | 0 |
| 03066> RYP-22 | RCB-43 | MH-32_3 | 32.43 | 0.013 | 124.13 | 123.8 | 0 | 0 |
| 03067> RYP-23 | RCB-34 | MH-32_1 | 36.82 | 0.013 | 125.11 | 124.74 | 0 | 0 |
| 03068> RYP-24 | RCB-46 | MH-32_1 | 32.89 | 0.013 | 124.2 | 123.87 | 0 | 0 |
| 03069> RYP-25 | RCB-38 | MH-62 | 33.35 | 0.013 | 124.36 | 124.02 | 0 | 0 |
| 03070> RYP-26 | RCB-30 | MH_61_1 | 31.83 | 0.013 | 124.61 | 124.29 | 0 | 0 |
| 03071> RYP-27 | RCB-32 | MH_61_1 | 24.42 | 0.013 | 124.3 | 124.05 | 0 | 0 |
| 03072> RYP-28 | RCB-23 | MH-61 | 33.21 | 0.013 | 124.89 | 124.55 | 0 | 0 |
| 03073> RYP-29 | RCB-22 | MH-34_1 | 32.43 | 0.013 | 125.23 | 124.9 | 0 | 0 |
| 03074> RYP-3 | RCB-2 | MH-7_1 | 32.43 | 0.013 | 126.78 | 126.45 | 0 | 0 |
| 03075> RYP-30 | RCB-20 | MH-34_2 | 32.44 | 0.013 | 124.96 | 124.63 | 0 | 0 |
| 03076> RYP-31 | RCB-13 | MH-35 | 35.09 | 0.013 | 126.33 | 125.97 | 0 | 0 |
| 03077> RYP-32 | RCB-10 | MH-36 | 36.09 | 0.013 | 126.12 | 125.75 | 0 | 0 |
| 03078> RYP-33 | RCB-9 | MH-36_1 | 32.43 | 0.013 | 125.86 | 125.53 | 0 | 0 |
| 03079> RYP-34 | RCB-8 | MH-37 | 33.05 | 0.013 | 125.63 | 125.29 | 0 | 0 |
| 03080> RYP-35 | RCB-7 | MH_59_1 | 19.66 | 0.013 | 125.87 | 125.67 | 0 | 0 |
| 03081> RYP-36 | RCB-51 | MH-69 | 38 | 0.013 | 123.88 | 123.5 | 0 | 0 |
| 03082> RYP-37 | RCB-52 | MH_69_1 | 38 | 0.013 | 123.98 | 123.6 | 0 | 0 |
| 03083> RYP-38 | RCB-54 | MH-70 | 38 | 0.013 | 123.86 | 123.46 | 0 | 0 |
| 03084> RYP-39 | RCB-42 | MH-503 | 33 | 0.013 | 123.61 | 123.445 | 0 | 0 |
| 03085> RYP-4 | RCB-1 | MH-8 | 35.55 | 0.013 | 127.02 | 126.66 | 0 | 0 |
| 03086> RYP-40 | RCB-44 | MH-5010 | 10 | 0.013 | 122.82 | 122.77 | 0 | 0 |
| 03087> RYP-41 | RCB-45 | MH-502 | 33 | 0.013 | 123.4 | 123.47 | 0 | 0 |
| 03088> RYP-42 | RCB-47 | MH-502 | 33 | 0.013 | 123.7 | 123.535 | 0 | 0 |
| 03089> RYP-43 | RCB-6 | MH-77 | 33.3 | 0.013 | 125.62 | 125.28 | 0 | 0 |
| 03090> RYP-44 | RCB-5 | MH_77_1 | 32.43 | 0.013 | 125.38 | 125.05 | 0 | 0 |
| 03091> RYP-45 | RCB-41 | MH-500 | 35 | 0.013 | 123.84 | 123.49 | 0 | 0 |
| 03092> RYP-46 | RCB-40 | MH-500 | 32.5 | 0.013 | 123.8 | 123.64 | 0 | 0 |
| 03093> RYP-48 | RCB-27 | MH_75_1 | 36.42 | 0.013 | 125.41 | 125.04 | 0 | 0 |
| 03094> RYP-49 | RCB-19 | MH_75_2 | 36.43 | 0.013 | 125.21 | 124.84 | 0 | 0 |
| 03095> RYP-5 | RCB-12 | MH-120 | 39.86 | 0.013 | 126.38 | 126.06 | 0 | 0 |
| 03096> RYP-50 | RCB-31 | MH-82 | 32.41 | 0.013 | 124.35 | 124.069 | 0 | 0 |
| 03097> RYP-51 | RCB-28 | MH_82_1 | 32.43 | 0.013 | 124.31 | 123.985 | 0 | 0 |
| 03098> RYP-52 | RCB-21 | MH-83 | 36.56 | 0.013 | 124.37 | 123.995 | 0 | 0 |
| 03099> RYP-53 | RCB-18 | MH-84 | 33.985 | 0.013 | 124.59 | 124.24 | 0 | 0 |
| 03100> RYP-54 | RCB-29 | MH-85 | 40.122 | 0.013 | 124.5 | 124.09 | 0 | 0 |
| 03101> RYP-55 | RCB-16 | MH-85 | 34.419 | 0.013 | 124.37 | 124.02 | 0 | 0 |
| 03102> RYP-56 | RCB-73 | MH_92_1 | 15.98 | 0.013 | 124.42 | 124.26 | 0 | 0 |
| 03103> RYP-57 | RCB-17 | MH_92_1 | 32.35 | 0.013 | 124.7 | 124.37 | 0 | 0 |
| 03104> RYP-58 | RCB-25 | MH-93 | 36.48 | 0.013 | 124.36 | 123.99 | 0 | 0 |
| 03105> RYP-59 | RCB-33 | MH_93_1 | 33.36 | 0.013 | 124.5 | 124.16 | 0 | 0 |
| 03106> RYP-6 | RCB-11 | MH-12 | 31.93 | 0.013 | 126.19 | 125.87 | 0 | 0 |
| 03107> RYP-60 | RCB-35 | MH_93_1 | 38.07 | 0.013 | 123.99 | 123.61 | 0 | 0 |
| 03108> RYP-62 | RCB-48 | MH-505 | 35.75 | 0.013 | 123.04 | 122.68 | 0 | 0 |
| 03109> RYP-63 | RCB-50 | MH-505 | 35 | 0.013 | 122.97 | 122.62 | 0 | 0 |
| 03110> RYP-64 | RCB-55 | MH-506 | 35 | 0.013 | 123.04 | 122.69 | 0 | 0 |
| 03111> RYP-65 | RCB-56 | MH-507 | 35.5 | 0.013 | 122.66 | 122.305 | 0 | 0 |
| 03112> RYP-66 | RCB-58 | MH-507 | 37 | 0.013 | 122.63 | 122.26 | 0 | 0 |
| 03113> RYP-67 | RCB-59 | MH-510 | 38.44 | 0.013 | 122.53 | 122.15 | 0 | 0 |
| 03114> RYP-68 | RCB-60 | MH-509 | 34.5 | 0.013 | 122.47 | 122.125 | 0 | 0 |
| 03115> RYP-69 | RCB-62 | MH-509 | 35 | 0.013 | 122.44 | 122.09 | 0 | 0 |

| | | | | | | | | | |
|--------|-----------------------------------|--------------------|-------------------|------------|---------------|--------------------------|---------|------------|--------|
| 03294> | RYS-74 | RYD-5 | RYD-2 | 10.7 | 0.035 | 126.01 | 125.8 | 0 | 0 |
| 03295> | RYS-75 | RYD-2 | RCB-54 | 27.32 | 0.035 | 125.8 | 125.18 | 0 | 0 |
| 03296> | RYS-76 | RYD-3 | RCB-54 | 23.23 | 0.035 | 125.98 | 125.18 | 0 | 0 |
| 03297> | RYS-77 | RYD-8 | RCB-52 | 21.58 | 0.035 | 125.95 | 125.43 | 0 | 0 |
| 03298> | RYS-78 | RYD-6 | RCB-52 | 13.99 | 0.035 | 125.73 | 125.43 | 0 | 0 |
| 03299> | RYS-79 | RYD-3 | RCB-52 | 29.67 | 0.035 | 125.98 | 125.43 | 0 | 0 |
| 03300> | RYS-80 | RYD-8 | RCB-51 | 32.05 | 0.035 | 125.95 | 125.33 | 0 | 0 |
| 03301> | RYS-81 | RYD-4 | Maj-48 | 20.71 | 0.035 | 125.67 | 125.196 | 0 | 0 |
| 03302> | RYS-82 | RYD-4 | RCB-51 | 14.68 | 0.035 | 125.67 | 125.33 | 0 | 0 |
| 03303> | RYS-83 | RYD-6 | Maj-47 | 22.08 | 0.035 | 125.73 | 125.186 | 0 | 0 |
| 03304> | RYS-84 | RYD-7 | RCB-54 | 13.57 | 0.035 | 125.48 | 125.31 | 0 | 0 |
| 03305> | RYS-85 | RYD-7 | Maj-31 | 21.43 | 0.035 | 125.48 | 124.986 | 0 | 0 |
| 03306> | RYS-86 | RYD-9 | RCB-29 | 19.23 | 0.035 | 126.36 | 125.95 | 0 | 0 |
| 03307> | RYS-87 | RYD-10 | RCB-29 | 23.18 | 0.035 | 126.53 | 125.95 | 0 | 0 |
| 03308> | RYS-88 | RYD-10 | RCB-35 | 37.14 | 0.035 | 126.53 | 125.49 | 0 | 0 |
| 03309> | RYS-89 | RYD-11 | RCB-35 | 23.48 | 0.035 | 125.87 | 125.49 | 0 | 0 |
| 03310> | RYS-90 | RYD-12 | RCB-29 | 14.07 | 0.035 | 126.25 | 125.95 | 0 | 0 |
| 03311> | RYS-91 | RYD-12 | Maj-100 | 22.68 | 0.035 | 126.25 | 125.698 | 0 | 0 |
| 03312> | RYS-93 | RYD-14 | RCB-31 | 10 | 0.035 | 126.04 | 125.85 | 0 | 0 |
| 03313> | RYS-94 | RYD-15 | RCB-31 | 11.57 | 0.035 | 126.08 | 125.85 | 0 | 0 |
| 03314> | RYS-95 | RYD-15 | RCB-28 | 13.98 | 0.035 | 126.08 | 125.81 | 0 | 0 |
| 03315> | RYS-96 | RYD-16 | RCB-28 | 21.18 | 0.035 | 126.19 | 125.81 | 0 | 0 |
| 03316> | RYS-97 | RYD-16 | RCB-21 | 15.82 | 0.035 | 126.19 | 125.76 | 0 | 0 |
| 03317> | RYS-98 | RYD-17 | RCB-21 | 18.44 | 0.035 | 126.25 | 125.76 | 0 | 0 |
| 03318> | RYS-99 | RYD-17 | RYD-18 | 21.01 | 0.035 | 126.25 | 126.68 | 0 | 0 |
| 03319> | | | | | | | | | |
| 03320> | [ORIFICES] | | | | | | | | |
| 03321> | ;; | Inlet | Outlet | Orifice | Crest | Disch. | Flap | Open/Close | |
| 03322> | ;;Name | Node | Node | Type | Height | Coeff. | Gate | Time | |
| 03323> | ;;----- | | | | | | | | |
| 03324> | ;200Ø PVC STAND PIPE FOR OVERFLOW | | | | | | | | |
| 03325> | ABGR02 | Trench-BronteRoad | Enclave_Out | BOTTOM | 126.6 | 0.65 | NO | 0 | |
| 03326> | ;Taken from BG FSR Modelling | | | | | | | | |
| 03327> | Quan1 | SFBG-4-5 | MH-401 | SIDE | 121.2 | 0.62 | NO | 0 | |
| 03328> | ;Taken from BG FSR Modelling | | | | | | | | |
| 03329> | Quan1 | SFBG-4-5 | MH-401 | SIDE | 122 | 0.62 | NO | 0 | |
| 03330> | | | | | | | | | |
| 03331> | [WEIRS] | | | | | | | | |
| 03332> | ;; | Inlet | Outlet | Weir | Crest | Disch. | Flap | End | End |
| 03333> | ;;Name | Node | Node | Type | Height | Coeff. | Gate | Con. | Coeff. |
| 03334> | ;;----- | | | | | | | | Surc |
| 03335> | Emer1 | SFBG-4-5 | MH-403 | TRANSVERSE | 124.8 | 1.8 | NO | 2 | 0 |
| 03336> | Emer2 | SFBG-4-5 | Maj-7 | TRANSVERSE | 124.8 | 1.58 | NO | 0 | 0 |
| 03337> | ;Street-33 | | | | | | | | |
| 03338> | Min-205_2 | BioSwale-West | To_E690 | TRANSVERSE | 127.2 | 1.58 | NO | 0 | 0 |
| 03339> | ;Assumed 2.4m MH | at this location | | | | | | | |
| 03340> | OGS_Overflow | MH-204 | OGS_Spill | TRANSVERSE | 127.88 | 1.8 | NO | 2 | 0 |
| 03341> | Quan2 | SFBG-4-5 | MH-402 | TRANSVERSE | 124.55 | 1.8 | NO | 2 | 0 |
| 03342> | Quan3 | SFBG-4-5 | MH-401 | TRANSVERSE | 124.55 | 1.8 | NO | 2 | 0 |
| 03343> | Quan4 | SFBG-4-5 | MH-400 | TRANSVERSE | 124.55 | 1.8 | NO | 2 | 0 |
| 03344> | SEnclave_Out | BioSwale-East | To_E643 | TRANSVERSE | 125.9 | 1.58 | NO | 0 | 0 |
| 03345> | Trench-Overflow | Trench-BronteRoad | Enclave_Out | TRANSVERSE | 126 | 1.58 | NO | 2 | 0 |
| 03346> | W2 | MH-809 | OGS_Spill_2 | TRANSVERSE | 125.95 | 1.8 | NO | 0 | 0 |
| 03347> | | | | | | | | | |
| 03348> | [OUTLETS] | | | | | | | | |
| 03349> | ;; | Inlet | Outlet | Outflow | Outlet | Qcoeff/ | | | Flap |
| 03350> | ;;Name | Node | Node | Height | Type | QTable | Qexpon | | Gate |
| 03351> | ;;----- | | | | | | | | |
| 03352> | A010DV1-5yr | A010DV1-Onsite | MH-10 | 128.266 | TABULAR/DEPTH | A010DV1-Onsite | | | YES |
| 03353> | A032SC1-5yr | A032SC1-Onsite | MH-31 | 125.852 | TABULAR/DEPTH | A032SC1-Onsite | | | YES |
| 03354> | A034SC1-5yr | A034SC1-onsite | MH-33 | 126.544 | TABULAR/DEPTH | A034SC1-Onsite | | | YES |
| 03355> | A052DV1-5yr | A052DV1-Onsite | MH-52 | 128.454 | TABULAR/DEPTH | A052DV1-Onsite | | | YES |
| 03356> | A058PK1-5yr | Trench-BGPark | MH-58 | 123.3 | TABULAR/DEPTH | A058PK1-Onsite | | | YES |
| 03357> | A058PK1-Infiltrate | Trench-BGPark | A058PK1-Out | 122.3 | TABULAR/DEPTH | BG_Park-Infiltrate-Curve | | | |
| 03358> | A059PK1-5yr | A059PK1-Onsite | MH-59 | 128.122 | TABULAR/HEAD | A059PK1-Onsite | | | YES |
| 03359> | A079DV1-5yr | A079DV1-Onsite | MH-79 | 126.28 | TABULAR/DEPTH | A079DV1-Onsite | | | YES |
| 03360> | A201DV1-5yr | A201DV1-Onsite | MH-201 | 130.364 | TABULAR/DEPTH | A201DV1-Onsite | | | YES |
| 03361> | ABG02-Infiltrate | Trench-BronteRoad | ABG02-Out | 125.6 | TABULAR/DEPTH | BronteRoad-Infiltrate | | | NO |
| 03362> | ACREEKPK1-Infiltrate | Trench-UrbanSquare | ACREEKPK1-Out | 125 | TABULAR/DEPTH | UrbanSquare-Infiltrate | | | NO |
| 03363> | BioSwale-East-Infiltrate | BioSwale-East | NorthFut-Out | 125.5 | TABULAR/DEPTH | BioSwale-East-Infiltrate | | | |
| 03364> | BioSwale-West-Infiltrate | BioSwale-West | NorthStreet-Out | 126.8 | TABULAR/DEPTH | BioSwaleWest-Infiltrate | | | N |
| 03365> | B-Road_10yr2 | B-Road_Spill2 | Trench-BronteRoad | 130.05 | TABULAR/HEAD | BronteRoad-10YrCapture2 | | | Y |
| 03366> | B-Road_10yr3 | B-Road_Spill3 | Trench-BronteRoad | 130.05 | TABULAR/HEAD | BronteRoad-10YrCapture3 | | | Y |
| 03367> | OL1 | Maj-207 | MH-49 | 127.82 | TABULAR/DEPTH | 1-DCB | | | YES |
| 03368> | OL10 | Maj-99 | MH-113 | 125.702 | TABULAR/DEPTH | 2-DCB | | | YES |
| 03369> | OL11 | Maj-50 | MH-20 | 125.196 | TABULAR/DEPTH | 1-DCB_1-CB | | | YES |
| 03370> | OL12 | Maj-34 | MH-116 | 125.055 | TABULAR/DEPTH | 2-DCB | | | YES |
| 03371> | OL13 | Maj-18 | MH-22 | 124.8 | TABULAR/DEPTH | 2-CB | | | YES |
| 03372> | OL14 | Maj-43 | MH-25 | 125.214 | TABULAR/DEPTH | 0.5%Slope_1-CB | | | YES |
| 03373> | OL15 | Maj-19 | MH-27 | 124.808 | TABULAR/DEPTH | 2-DCB | | | YES |
| 03374> | OL16 | Maj-6 | MH-106 | 124.405 | TABULAR/DEPTH | DCB-Half_Street | | | YES |
| 03375> | ;Changed from 2-DCB to 2-CB | | | | | | | | |
| 03376> | OL17 | Maj-0 | MH-28 | 123.802 | TABULAR/DEPTH | 2xICD-A | | | YES |
| 03377> | OL18 | Maj-20 | MH-56 | 124.812 | TABULAR/DEPTH | 1-CB | | | YES |
| 03378> | OL19 | Maj-12 | MH-119 | 124.706 | TABULAR/DEPTH | 2-DCB | | | YES |
| 03379> | OL2 | Maj-206 | MH-7 | 127.788 | TABULAR/DEPTH | DCB-Half_Street | | | YES |
| 03380> | OL20 | Maj-8 | MH-87 | 124.506 | TABULAR/DEPTH | 2-DCB | | | YES |
| 03381> | OL21 | Maj-277 | MH-105 | 124.305 | TABULAR/DEPTH | Street100yrCapture | | | YES |
| 03382> | OL22 | Maj-24 | MH-98 | 124.907 | TABULAR/DEPTH | 2-DCB | | | YES |

| | | | | | | | |
|--------|---|----------------------|-------------|---------------|----------------------------|------------------------|-----|
| 03383> | OL23 | Maj-39 | MH_94_2 | 125.074 | TABULAR/DEPTH | 1-CB | YES |
| 03384> | OL24 | Maj-37 | MH_94_2 | 125.078 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03385> | OL25 | Maj-41 | MH_94_1 | 125.084 | TABULAR/DEPTH | 2-CB | YES |
| 03386> | OL26 | Maj-23 | MH-67 | 124.872 | TABULAR/DEPTH | 1-DCB | YES |
| 03387> | OL27 | Maj-54 | MH-58 | 125.228 | TABULAR/DEPTH | CB-Half_Street | YES |
| 03388> | OL28 | Maj-68 | MH-63 | 125.344 | TABULAR/DEPTH | 2-CB | YES |
| 03389> | OL29 | Maj-69 | MH_62_1 | 125.352 | TABULAR/DEPTH | 2-CB | YES |
| 03390> | OL3 | Maj-195 | MH-120 | 127.356 | TABULAR/DEPTH | 1-CB | YES |
| 03391> | OL30 | Maj-84 | MH-62 | 125.608 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03392> | OL31 | Maj-105 | MH-32 | 125.814 | TABULAR/DEPTH | 1-CB | YES |
| 03393> | OL32 | Maj-111 | MH-34_2 | 125.876 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03394> | OL33 | Maj-153 | MH_59_1 | 126.54 | TABULAR/DEPTH | 2-DCB | YES |
| 03395> | OL34 | Maj-234 | MH-55 | 129.1 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03396> | OL35 | Maj-241 | MH-44 | 129.387 | TABULAR/DEPTH | 2-CB | YES |
| 03397> | OL36 | Maj-239 | MH-45 | 129.316 | TABULAR/DEPTH | 2-CB | YES |
| 03398> | OL37 | Maj-233 | MH-51 | 129.036 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03399> | OL38 | Maj-141 | MH-90 | 126.372 | TABULAR/DEPTH | 2-DCB | YES |
| 03400> | OL39 | Maj-118 | MH-92 | 125.998 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03401> | OL4 | Maj-217 | MH-9 | 128.268 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03402> | OL40 | Maj-119 | MH-80 | 126.012 | TABULAR/DEPTH | 2-CB | YES |
| 03403> | OL41 | Maj-81 | MH-85 | 125.466 | TABULAR/DEPTH | 2-DCB | YES |
| 03404> | OL42 | Maj-87 | MH-93 | 125.591 | TABULAR/DEPTH | DCB-Half_Street | YES |
| 03405> | OL43 | Maj-16 | MH-117_1 | 124.806 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03406> | OL44 | Maj-247 | MH-40 | 129.6 | TABULAR/DEPTH | 2-CB | YES |
| 03407> | OL45 | Maj-221 | MH-59 | 128.422 | TABULAR/DEPTH | CB-Half_Street | YES |
| 03408> | OL46 | Maj-136 | MH_75_2 | 126.266 | TABULAR/DEPTH | 2-DCB | YES |
| 03409> | OL47 | Maj-159 | MH-77 | 126.626 | TABULAR/DEPTH | 2-CB | YES |
| 03410> | OL48 | Maj-266 | MH-201 | 130.671 | TABULAR/DEPTH | 2-DCB | YES |
| 03411> | OL49 | Maj-256 | MH-204 | 130.191 | TABULAR/DEPTH | 4-DCB | YES |
| 03412> | OL5 | Maj-186 | MH-12 | 127.168 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03413> | OL50 | Maj-237 | MH-109 | 129.242 | TABULAR/DEPTH | 1.0%Slope_1-CB | YES |
| 03414> | OL51 | Maj-229 | MH-109 | 128.76 | TABULAR/DEPTH | 1.0%Slope_2-CB | YES |
| 03415> | OL52 | Maj-224 | MH-3 | 128.532 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03416> | OL53 | Maj-218 | MH_1_1 | 128.306 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03417> | OL54 | Maj-203 | MH-6 | 127.626 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03418> | OL55 | Maj-165 | MH-14 | 126.758 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03419> | OL56 | Maj-156 | MH-14_1 | 126.59 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03420> | OL57 | Maj-135 | MH-17 | 126.266 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03421> | OL58 | Maj-124 | MH-18 | 126.106 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03422> | OL59 | Maj-104 | MH-113 | 125.814 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03423> | OL6 | Maj-181 | MH-13 | 127.084 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03424> | OL60 | Maj-140 | MH-112 | 126.387 | TABULAR/DEPTH | 1.0%Slope_2-CB | YES |
| 03425> | OL61 | Maj-66 | MH-115 | 125.373 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03426> | OL62 | Maj-33 | MH-117 | 125.053 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03427> | OL63 | Maj-57 | MH-21 | 125.24 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03428> | OL64 | Maj-4 | MH-106 | 124.224 | TABULAR/DEPTH | 2.0%Slope_2-CB | YES |
| 03429> | OL65 | Maj-10 | MH_105_1 | 124.566 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03430> | OL66 | Maj-46 | MH-88 | 125.206 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03431> | OL67 | Maj-72 | MH-94 | 125.435 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03432> | OL68 | Maj-100 | MH-85 | 125.698 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03433> | OL69 | Maj-123 | MH-82 | 126.104 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03434> | OL7 | Maj-213 | MH-11 | 128.164 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03435> | OL70 | Maj-138 | MH-79 | 126.346 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03436> | OL71 | Maj-129 | MH-92 | 126.209 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03437> | OL72 | Maj-163 | MH-90 | 126.744 | TABULAR/DEPTH | 1.0%Slope_1-CB | YES |
| 03438> | OL73 | Maj-149 | MH_77_1 | 126.466 | TABULAR/DEPTH | 1.0%Slope_1-CB | YES |
| 03439> | OL74 | Maj-166 | MH-75 | 126.786 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03440> | OL75 | Maj-176 | MH-72 | 126.968 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03441> | OL76 | Maj-251 | MH-48 | 130.086 | TABULAR/DEPTH | 2.0%Slope_2-CB | YES |
| 03442> | OL77 | Maj-249 | MH-43 | 130.01 | TABULAR/DEPTH | 2.0%Slope_2-CB | YES |
| 03443> | OL78 | Maj-279 | MH-59 | 128.544 | TABULAR/DEPTH | 2.0%Slope_1-CB | YES |
| 03444> | OL79 | Maj-278 | MH-40 | 130.202 | TABULAR/DEPTH | 1.0%Slope_1-CB | YES |
| 03445> | OL8 | Maj-214 | MH-52 | 128.17 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03446> | OL80 | Maj-184 | MH-36_1 | 127.122 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03447> | OL81 | Maj-168 | MH-37 | 126.816 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03448> | OL82 | Maj-132 | MH-60 | 126.222 | TABULAR/DEPTH | 1.0%Slope_1-CB | YES |
| 03449> | OL83 | Maj-86 | MH-62 | 125.544 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03450> | OL84 | Maj-238 | MH-55 | 129.264 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03451> | OL85 | Maj-212 | MH-8 | 128.142 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03452> | OL86 | Maj-63 | MH-503 | 125.306 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03453> | OL87 | Maj-302 | MH-808 | 129.479 | TABULAR/DEPTH | 2-DCB | YES |
| 03454> | OL88 | Maj-309 | MH-805 | 129.77 | TABULAR/DEPTH | 2-DCB | YES |
| 03455> | OL89 | Maj-311 | MH-802 | 130.288 | TABULAR/DEPTH | 0.5%Slope_2-CB | YES |
| 03456> | OL9 | Maj-182 | MH-111 | 127.092 | TABULAR/DEPTH | 1-DCB_1-CB | YES |
| 03457> | OL91 | Maj-273 | MH-202 | 130.564 | TABULAR/DEPTH | 0.5%Slope_1-CB | YES |
| 03458> | OL92 | B-Road_Spill | Enclave_Out | 128.84 | TABULAR/HEAD | BronteRoad-10YrCapture | YE |
| 03459> | OL93 | Maj-78 | MH_62_1 | 125.444 | TABULAR/DEPTH | 1-CB | YES |
| 03460> | OL94 | Maj-157 | MH-34_1 | 126.592 | TABULAR/DEPTH | 0.5%Slope_1-CB | NO |
| 03461> | OL95 | Maj-114 | MH-32 | 125.92 | TABULAR/DEPTH | 0.5%Slope_1-CB | NO |
| 03462> | OL96 | Maj-107 | MH-31 | 125.848 | TABULAR/DEPTH | 0.5%Slope_2-CB | NO |
| 03463> | OL97 | Maj-160 | MH-33 | 126.65 | TABULAR/DEPTH | 0.5%Slope_2-CB | NO |
| 03464> | Trail-LID-10East-Infiltrate Trench-Trail-10East | Trail-LID-10East-Out | 120.5 | TABULAR/DEPTH | Trail-LID-10East-Infiltrat | | |
| 03465> | Trail-LID-10West-Infiltrate Trench-Trail-10West | Trail-LID-10West-Out | 120.5 | TABULAR/DEPTH | Trail-LID-10West-Infiltrat | | |
| 03466> | Trail-LID-1-Infiltrate Trench-Trail-1 | Trail-LID-1-Out | 127.85 | TABULAR/DEPTH | Trail-LID-1-Infiltrate | | NO |
| 03467> | Trail-LID-2-Infiltrate Trench-Trail-2 | Trail-LID-2-Out | 124.35 | TABULAR/DEPTH | Trail-LID-2-Infiltrate | | NO |
| 03468> | Trail-LID-3-Infiltrate Trench-Trail-3 | Trail-LID-3-Out | 124 | TABULAR/DEPTH | Trail-LID-3-Infiltrate | | NO |
| 03469> | Trail-LID-4-East-Infiltrate Trench-Trail-4East | Trail-LID-4-East-Out | 125.05 | TABULAR/DEPTH | Trail-LID-4-Infiltrate-Eas | | |
| 03470> | Trail-LID-4-West-Infiltrate Trench-Trail-4West | Trail-LID-4-West-Out | 125.05 | TABULAR/DEPTH | Trail-LID-4-Infiltrate-Eas | | |
| 03471> | Trail-LID-5-Infiltration Trench-Trail-5 | Trail-LID-5-Out | 122.1 | TABULAR/DEPTH | Trail-LID-5-Infiltrate | | NO |

| | | | | | | |
|--------|--|-----------------|-------|---------------|------------------------|----|
| 03472> | Trail-LID-6-Infiltrate Trench-Trail--6 | Trail-LID-6-Out | 122.1 | TABULAR/DEPTH | Trail-LID-6-Infiltrate | NO |
| 03473> | Trail-LID-7-Infiltrate Trench-Trail-7 | Trail-LID-7-Out | 124.1 | TABULAR/DEPTH | Trail-LID-7-Infiltrate | NO |
| 03474> | Trail-LID-8-Infiltrate Trench-Trail-8 | Trail-LID-8-Out | 123.3 | TABULAR/DEPTH | Trail-LID-8-Infiltrate | NO |
| 03475> | Trail-LID-9-Infiltrate Trench-Trail-9 | Trail-LID-9-Out | 121 | TABULAR/DEPTH | Trail-LID-9-Infiltrate | NO |

03476>

03477> [XSECTIONS]

| 03478> | ;;Link | Shape | Geom1 | Geom2 | Geom3 | Geom4 | Barrels |
|--------|---------------------|------------|-----------------|-------|-------|-------|---------|
| 03479> | ;; | | | | | | |
| 03480> | A006PK1-Spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03481> | A010DV1-Spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03482> | A032SC1-Spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03483> | A034SC1-Spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03484> | A052DV1-Spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03485> | A058PK1-Spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03486> | A059PK1-Spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03487> | A079DV1-Spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03488> | A201DV1-spill | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03489> | ACREEKPK1-Pipe | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 03490> | ACREEKPK-CreekDummy | DUMMY | 0 | 0 | 0 | 0 | 1 |
| 03491> | B-Road_Spill | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03492> | B-Road_Spill2 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03493> | B-Road_Spill3 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03494> | C10 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03495> | C3 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03496> | C4 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03497> | C5 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03498> | C6 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03499> | C7 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03500> | C8 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03501> | C9 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03502> | Enclave_Out | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03503> | LID_Enclave | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03504> | LID1 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03505> | LID10 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03506> | LID100 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03507> | LID101 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03508> | LID102 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03509> | LID103 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03510> | LID104 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03511> | LID105 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03512> | LID106 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03513> | LID107 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03514> | LID108 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03515> | LID109 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03516> | LID11 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03517> | LID110 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03518> | LID111 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03519> | LID12 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03520> | LID13 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03521> | LID14 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03522> | LID15 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03523> | LID16 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03524> | LID17 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03525> | LID18 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03526> | LID19 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03527> | LID20 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03528> | LID21 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03529> | LID22 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03530> | LID23 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03531> | LID24 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03532> | LID25 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03533> | LID26 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03534> | LID27 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03535> | LID28 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03536> | LID29 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03537> | LID3 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03538> | LID30 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03539> | LID31 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03540> | LID32 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03541> | LID34 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03542> | LID35 | CIRCULAR | 0.4 | 0 | 0 | 0 | 1 |
| 03543> | LID36 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03544> | LID37 | CIRCULAR | 0.4 | 0 | 0 | 0 | 1 |
| 03545> | LID38 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03546> | LID39 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03547> | LID4 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03548> | LID40 | CIRCULAR | 0.4 | 0 | 0 | 0 | 1 |
| 03549> | LID41 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03550> | LID42 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03551> | LID43 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03552> | LID44 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03553> | LID45 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03554> | LID46 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03555> | LID47 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03556> | LID48 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03557> | LID49 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03558> | LID5 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03559> | LID50 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03560> | LID51 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |

| | | | | | | | |
|--------|--------------------|------------|-----------------|---|---|---|---|
| 03561> | LID52 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03562> | LID53 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03563> | LID54 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03564> | LID55 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03565> | LID56 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03566> | LID57 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03567> | LID58 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03568> | LID59 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03569> | LID6 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03570> | LID60 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03571> | LID61 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03572> | LID62 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03573> | LID63 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03574> | LID64 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03575> | LID65 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03576> | LID66 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03577> | LID67 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03578> | LID68 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03579> | LID69 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03580> | LID7 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03581> | LID70 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03582> | LID71 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03583> | LID72 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03584> | LID73 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03585> | LID74 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03586> | LID75 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03587> | LID76 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03588> | LID77 | CIRCULAR | 0.4 | 0 | 0 | 0 | 1 |
| 03589> | LID78 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03590> | LID79 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03591> | LID8 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03592> | LID80 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03593> | LID81 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03594> | LID82 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03595> | LID83 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03596> | LID84 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03597> | LID85 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03598> | LID86 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03599> | LID87 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03600> | LID88 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03601> | LID89 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03602> | LID9 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03603> | LID90 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03604> | LID91 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03605> | LID92 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03606> | LID93 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03607> | LID95 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 03608> | LID96 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03609> | LID97 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03610> | LID98 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03611> | LID99 | TRIANGULAR | 0.5 | 3 | 0 | 0 | 1 |
| 03612> | Maj_Out_Creek1 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03613> | Maj_Out_Creek2 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03614> | Maj_Out_Creek3 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03615> | Maj_Out_Creek4 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03616> | Maj_Out_CreekN-1 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03617> | Maj_Out_CreekN-2 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03618> | Maj_Out_Enclave-S1 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03619> | Maj_Out_Enclave-S2 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03620> | Maj_Over_East_1 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03621> | Maj_Over_East_2 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03622> | Maj_Over-South1 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03623> | Maj_Over-South2 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03624> | Maj_Over-West1 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03625> | Maj_Over-West2 | IRREGULAR | 3m_Path | 0 | 0 | 0 | 1 |
| 03626> | Maj-0 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03627> | Maj-1 | IRREGULAR | 20m_ROW | 0 | 0 | 0 | 1 |
| 03628> | Maj-10 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03629> | Maj-100 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03630> | Maj-101 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03631> | Maj-102 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03632> | Maj-103 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03633> | Maj-104 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03634> | Maj-105 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03635> | Maj-106 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03636> | Maj-107 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03637> | Maj-108 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03638> | Maj-109 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03639> | Maj-11 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03640> | Maj-110 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03641> | Maj-111 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03642> | Maj-112_1 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03643> | Maj-112_2 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03644> | Maj-113 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03645> | Maj-114 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03646> | Maj-115 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03647> | Maj-116 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03648> | Maj-117 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03649> | Maj-118 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |

| | | | | | | | |
|--------|-----------|-----------|---------|---|---|---|---|
| 03650> | Maj-119 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03651> | Maj-12 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03652> | Maj-120 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03653> | Maj-121 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03654> | Maj-122 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03655> | Maj-123 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03656> | Maj-124 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03657> | Maj-125 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03658> | Maj-126 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03659> | Maj-127 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03660> | Maj-128 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03661> | Maj-129 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03662> | Maj-13 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03663> | Maj-130 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03664> | Maj-131 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03665> | Maj-132 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03666> | Maj-133 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03667> | Maj-134 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03668> | Maj-135 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03669> | Maj-136 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03670> | Maj-137 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03671> | Maj-138 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03672> | Maj-139 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03673> | Maj-14 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03674> | Maj-140 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03675> | Maj-141 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03676> | Maj-142 | IRREGULAR | 22m_ROW | 0 | 0 | 0 | 1 |
| 03677> | Maj-143 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03678> | Maj-144 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03679> | Maj-145 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03680> | Maj-146 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03681> | Maj-147 | IRREGULAR | 22m_ROW | 0 | 0 | 0 | 1 |
| 03682> | Maj-149 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03683> | Maj-15 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03684> | Maj-150 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03685> | Maj-151 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03686> | Maj-152 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03687> | Maj-153 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03688> | Maj-154 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03689> | Maj-156 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03690> | Maj-157 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03691> | Maj-158 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03692> | Maj-159 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03693> | Maj-16 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03694> | Maj-160 | IRREGULAR | 22m_ROW | 0 | 0 | 0 | 1 |
| 03695> | Maj-161 | IRREGULAR | 22m_ROW | 0 | 0 | 0 | 1 |
| 03696> | Maj-162 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03697> | Maj-163 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03698> | Maj-164 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03699> | Maj-165 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03700> | Maj-166 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03701> | Maj-167 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03702> | Maj-168 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03703> | Maj-17 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03704> | Maj-170 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03705> | Maj-171 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03706> | Maj-172 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03707> | Maj-173 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03708> | Maj-174 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03709> | Maj-175 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03710> | Maj-176 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03711> | Maj-177 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03712> | Maj-178 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03713> | Maj-179_1 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03714> | Maj-179_2 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03715> | Maj-180_1 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03716> | Maj-180_2 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03717> | Maj-181 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03718> | Maj-182 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03719> | Maj-183 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03720> | Maj-184 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03721> | Maj-185 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03722> | Maj-186 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03723> | Maj-187 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03724> | Maj-188 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03725> | Maj-189 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03726> | Maj-19 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03727> | Maj-190 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03728> | Maj-191 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03729> | Maj-192 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03730> | Maj-193 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03731> | Maj-194 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03732> | Maj-195 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03733> | Maj-196 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03734> | Maj-197 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03735> | Maj-198 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03736> | Maj-199 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03737> | Maj-2 | IRREGULAR | 20m_ROW | 0 | 0 | 0 | 1 |
| 03738> | Maj-20 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |

| | | | | | | | |
|--------|---------|-----------|---------|---|---|---|---|
| 03739> | Maj-200 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03740> | Maj-201 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03741> | Maj-202 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03742> | Maj-203 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03743> | Maj-204 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03744> | Maj-205 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03745> | Maj-206 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03746> | Maj-208 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03747> | Maj-209 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03748> | Maj-21 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03749> | Maj-210 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03750> | Maj-211 | IRREGULAR | 22m_ROW | 0 | 0 | 0 | 1 |
| 03751> | Maj-212 | IRREGULAR | 22m_ROW | 0 | 0 | 0 | 1 |
| 03752> | Maj-213 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03753> | Maj-214 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03754> | Maj-215 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03755> | Maj-216 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03756> | Maj-217 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03757> | Maj-218 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03758> | Maj-219 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03759> | Maj-22 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03760> | Maj-220 | IRREGULAR | 22m_ROW | 0 | 0 | 0 | 1 |
| 03761> | Maj-221 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03762> | Maj-222 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03763> | Maj-223 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03764> | Maj-224 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03765> | Maj-225 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03766> | Maj-226 | IRREGULAR | 20m_ROW | 0 | 0 | 0 | 1 |
| 03767> | Maj-227 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03768> | Maj-228 | IRREGULAR | 20m_ROW | 0 | 0 | 0 | 1 |
| 03769> | Maj-229 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03770> | Maj-23 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03771> | Maj-230 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03772> | Maj-231 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03773> | Maj-232 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03774> | Maj-233 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03775> | Maj-234 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03776> | Maj-235 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03777> | Maj-236 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03778> | Maj-237 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03779> | Maj-238 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03780> | Maj-239 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03781> | Maj-24 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03782> | Maj-240 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03783> | Maj-241 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03784> | Maj-242 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03785> | Maj-243 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03786> | Maj-244 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03787> | Maj-245 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03788> | Maj-246 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03789> | Maj-247 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03790> | Maj-248 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03791> | Maj-249 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03792> | Maj-25 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03793> | Maj-250 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03794> | Maj-251 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03795> | Maj-252 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03796> | Maj-253 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03797> | Maj-254 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03798> | Maj-255 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03799> | Maj-256 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03800> | Maj-257 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03801> | Maj-258 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03802> | Maj-259 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03803> | Maj-26 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03804> | Maj-260 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03805> | Maj-261 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03806> | Maj-262 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03807> | Maj-263 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03808> | Maj-264 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03809> | Maj-266 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03810> | Maj-267 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03811> | Maj-268 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03812> | Maj-269 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03813> | Maj-27 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03814> | Maj-270 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03815> | Maj-271 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03816> | Maj-272 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03817> | Maj-273 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03818> | Maj-274 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03819> | Maj-275 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03820> | Maj-276 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03821> | Maj-277 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03822> | Maj-278 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03823> | Maj-279 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03824> | Maj-28 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03825> | Maj-280 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03826> | Maj-281 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03827> | Maj-282 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |

| | | | | | | | |
|--------|---------|-----------|---------|---|---|---|---|
| 03828> | Maj-283 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03829> | Maj-284 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03830> | Maj-285 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03831> | Maj-286 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03832> | Maj-287 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03833> | Maj-288 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03834> | Maj-289 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03835> | Maj-29 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03836> | Maj-290 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03837> | Maj-291 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03838> | Maj-292 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03839> | Maj-293 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03840> | Maj-294 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03841> | Maj-295 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03842> | Maj-296 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03843> | Maj-297 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03844> | Maj-298 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03845> | Maj-299 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03846> | Maj-3 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03847> | Maj-30 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03848> | Maj-300 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03849> | Maj-301 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03850> | Maj-303 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03851> | Maj-304 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03852> | Maj-305 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03853> | Maj-306 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03854> | Maj-307 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03855> | Maj-308 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03856> | Maj-309 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03857> | Maj-31 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03858> | Maj-310 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03859> | Maj-311 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03860> | Maj-312 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03861> | Maj-313 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03862> | Maj-314 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03863> | Maj-315 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03864> | Maj-316 | CIRCULAR | 1 | 0 | 0 | 0 | 1 |
| 03865> | Maj-317 | IRREGULAR | 11m_ROW | 0 | 0 | 0 | 1 |
| 03866> | Maj-32 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03867> | Maj-33 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03868> | Maj-34 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03869> | Maj-35 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03870> | Maj-36 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03871> | Maj-37 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03872> | Maj-38 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03873> | Maj-39 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03874> | Maj-4 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03875> | Maj-40 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03876> | Maj-41 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03877> | Maj-42 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03878> | Maj-43 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03879> | Maj-44 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03880> | Maj-45 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03881> | Maj-46 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03882> | Maj-47 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03883> | Maj-48 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03884> | Maj-49 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03885> | Maj-5 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03886> | Maj-50 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03887> | Maj-51 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03888> | Maj-53 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03889> | Maj-54 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03890> | Maj-55 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03891> | Maj-56 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03892> | Maj-57 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03893> | Maj-58 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03894> | Maj-59 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03895> | Maj-6 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03896> | Maj-60 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03897> | Maj-61 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03898> | Maj-62 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03899> | Maj-63 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03900> | Maj-64 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03901> | Maj-65 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03902> | Maj-66 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03903> | Maj-67 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03904> | Maj-68 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03905> | Maj-69 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03906> | Maj-7 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03907> | Maj-70 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03908> | Maj-71 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03909> | Maj-72 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03910> | Maj-73 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03911> | Maj-74 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03912> | Maj-75 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03913> | Maj-76 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03914> | Maj-77 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03915> | Maj-78 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03916> | Maj-79 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |

| | | | | | | | |
|--------|--------------|-----------|-----------------|---|---|---|---|
| 03917> | Maj-8 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03918> | Maj-80 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03919> | Maj-81 | IRREGULAR | 16m_ROW | 0 | 0 | 0 | 1 |
| 03920> | Maj-82 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03921> | Maj-83 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03922> | Maj-84 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03923> | Maj-85 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03924> | Maj-86 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03925> | Maj-87 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03926> | Maj-88 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03927> | Maj-89 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03928> | Maj-9 | IRREGULAR | 24m_ROW | 0 | 0 | 0 | 1 |
| 03929> | Maj-90 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03930> | Maj-91 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03931> | Maj-92 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03932> | Maj-93 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03933> | Maj-94 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03934> | Maj-95_1 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03935> | Maj-95_2 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03936> | Maj-96 | IRREGULAR | 19m_ROW | 0 | 0 | 0 | 1 |
| 03937> | Maj-97 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03938> | Maj-98 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03939> | Maj-99 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03940> | MH-100 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03941> | MH-101 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03942> | MH-53_1 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 03943> | MH-809 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 03944> | MH-810 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 03945> | MH-OGS2 | CIRCULAR | 0.35 | 0 | 0 | 0 | 1 |
| 03946> | Min_Spil_53 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03947> | Min_Spill_1 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03948> | Min_Spill_10 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03949> | Min_Spill_11 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03950> | Min_Spill_12 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03951> | Min_Spill_13 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03952> | Min_Spill_14 | IRREGULAR | 17m_ROW | 0 | 0 | 0 | 1 |
| 03953> | Min_Spill_15 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03954> | Min_Spill_16 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03955> | Min_Spill_17 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03956> | Min_Spill_18 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03957> | Min_Spill_19 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03958> | Min_Spill_2 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03959> | Min_Spill_20 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03960> | Min_Spill_21 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03961> | Min_Spill_22 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03962> | Min_Spill_23 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03963> | Min_Spill_24 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03964> | Min_Spill_25 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03965> | Min_Spill_26 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03966> | Min_Spill_27 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03967> | Min_Spill_28 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03968> | Min_Spill_29 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03969> | Min_Spill_3 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03970> | Min_Spill_30 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03971> | Min_Spill_31 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03972> | Min_Spill_32 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03973> | Min_Spill_33 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03974> | Min_Spill_34 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03975> | Min_Spill_35 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03976> | Min_Spill_36 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03977> | Min_Spill_37 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03978> | Min_Spill_38 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03979> | Min_Spill_39 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03980> | Min_Spill_4 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03981> | Min_Spill_40 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03982> | Min_Spill_41 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03983> | Min_Spill_42 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03984> | Min_Spill_43 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03985> | Min_Spill_44 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03986> | Min_Spill_45 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03987> | Min_Spill_46 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03988> | Min_Spill_47 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03989> | Min_Spill_48 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03990> | Min_Spill_49 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03991> | Min_Spill_5 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03992> | Min_Spill_50 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03993> | Min_Spill_51 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03994> | Min_Spill_52 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03995> | Min_Spill_53 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03996> | Min_Spill_6 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03997> | Min_Spill_7 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03998> | Min_Spill_8 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 03999> | Min_Spill_9 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04000> | Min-1_1 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04001> | Min-1_2 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04002> | Min-10 | CIRCULAR | 0.825 | 0 | 0 | 0 | 1 |
| 04003> | Min-105_1 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04004> | Min-105_2 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04005> | Min-106 | CIRCULAR | 0.675 | 0 | 0 | 0 | 1 |

| | | | | | | | |
|--------|--------------|----------|-------|---|---|---|---|
| 04006> | Min-107 | CIRCULAR | 0.675 | 0 | 0 | 0 | 1 |
| 04007> | Min-108 | CIRCULAR | 0.675 | 0 | 0 | 0 | 1 |
| 04008> | Min-109 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04009> | Min-11 | CIRCULAR | 0.825 | 0 | 0 | 0 | 1 |
| 04010> | Min-110 | CIRCULAR | 1.05 | 0 | 0 | 0 | 1 |
| 04011> | Min-111 | CIRCULAR | 1.05 | 0 | 0 | 0 | 1 |
| 04012> | Min-112 | CIRCULAR | 1.05 | 0 | 0 | 0 | 1 |
| 04013> | Min-113 | CIRCULAR | 1.05 | 0 | 0 | 0 | 1 |
| 04014> | Min-114 | CIRCULAR | 1.05 | 0 | 0 | 0 | 1 |
| 04015> | Min-115 | CIRCULAR | 1.2 | 0 | 0 | 0 | 1 |
| 04016> | Min-116 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04017> | Min-117_1 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04018> | Min-117_2 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04019> | Min-118 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04020> | Min-119 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04021> | Min-1190 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04022> | Min-12_1 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04023> | Min-12_2 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04024> | Min-120 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04025> | Min-13 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04026> | Min-14_1 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04027> | Min-14_2 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04028> | Min-16 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04029> | Min-17 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04030> | Min-18 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04031> | Min-19_1 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04032> | Min-19_2 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04033> | Min-2 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04034> | Min-20 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04035> | Min-200_1 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04036> | Min-200_2 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04037> | Min-201 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04038> | Min-202 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04039> | Min-203 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04040> | Min-204 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04041> | Min-204-Over | CIRCULAR | 0.975 | 0 | 0 | 0 | 1 |
| 04042> | Min-205 | CIRCULAR | 0.975 | 0 | 0 | 0 | 1 |
| 04043> | Min-21 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04044> | Min-22 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04045> | Min-23 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04046> | Min-24 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04047> | Min-25 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04048> | Min-26_1 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04049> | Min-26_2 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04050> | Min-27 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04051> | Min-28 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04052> | Min-29 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04053> | Min-3 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04054> | Min-30 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04055> | Min-302 | CIRCULAR | 1.5 | 0 | 0 | 0 | 1 |
| 04056> | Min-303 | CIRCULAR | 1.5 | 0 | 0 | 0 | 1 |
| 04057> | Min-304 | CIRCULAR | 1.5 | 0 | 0 | 0 | 1 |
| 04058> | Min-31 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04059> | Min-32_1 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04060> | Min-32_3 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04061> | Min-32_4 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04062> | Min-33 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04063> | Min-34_1 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04064> | Min-34_3 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04065> | Min-34_4 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04066> | Min-35 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04067> | Min-36_1 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04068> | Min-36_2 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04069> | Min-37 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04070> | Min-38 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04071> | Min-39 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04072> | Min-4 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04073> | Min-40 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04074> | Min-400 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04075> | Min-401 | CIRCULAR | 1.5 | 0 | 0 | 0 | 1 |
| 04076> | Min-402 | CIRCULAR | 1.05 | 0 | 0 | 0 | 1 |
| 04077> | Min-403 | CIRCULAR | 0.825 | 0 | 0 | 0 | 1 |
| 04078> | Min-41 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04079> | Min-41-1 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04080> | Min-42 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04081> | Min-43 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04082> | Min-44 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04083> | Min-45 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04084> | Min-45_1 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04085> | Min-46 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04086> | Min-47 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04087> | Min-48 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04088> | Min-49 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04089> | Min-5 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04090> | Min-50 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04091> | Min-500 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04092> | Min-501 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04093> | Min-5010 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04094> | Min-502 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |

| | | | | | | |
|-----------------|----------|-------|---|---|---|---|
| 04095> Min-503 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04096> Min-504 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04097> Min-505 | CIRCULAR | 0.675 | 0 | 0 | 0 | 1 |
| 04098> Min-506 | CIRCULAR | 0.675 | 0 | 0 | 0 | 1 |
| 04099> Min-507 | CIRCULAR | 0.675 | 0 | 0 | 0 | 1 |
| 04100> Min-508 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04101> Min-509 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04102> Min-51 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04103> Min-510 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04104> Min-511 | CIRCULAR | 0.825 | 0 | 0 | 0 | 1 |
| 04105> Min-512 | CIRCULAR | 0.825 | 0 | 0 | 0 | 1 |
| 04106> Min-514 | CIRCULAR | 0.825 | 0 | 0 | 0 | 1 |
| 04107> Min-52 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04108> Min-53 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04109> Min-54 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04110> Min-55 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04111> Min-56 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04112> Min-57 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04113> Min-58 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04114> Min-59_1 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04115> Min-59_2 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04116> Min-6 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04117> Min-60 | CIRCULAR | 0.9 | 0 | 0 | 0 | 1 |
| 04118> Min-61_1 | CIRCULAR | 1.05 | 0 | 0 | 0 | 1 |
| 04119> Min-61_2 | CIRCULAR | 1.05 | 0 | 0 | 0 | 1 |
| 04120> Min-62_1 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04121> Min-62_2 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04122> Min-63 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04123> Min-65 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04124> Min-66 | CIRCULAR | 1.5 | 0 | 0 | 0 | 1 |
| 04125> Min-67 | CIRCULAR | 1.5 | 0 | 0 | 0 | 1 |
| 04126> Min-68 | CIRCULAR | 1.5 | 0 | 0 | 0 | 1 |
| 04127> Min-680 | CIRCULAR | 1.5 | 0 | 0 | 0 | 1 |
| 04128> Min-69_1 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04129> Min-69_2 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04130> Min-7_1 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04131> Min-7_2 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04132> Min-70 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04133> Min-72 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04134> Min-75_1 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04135> Min-75_3 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04136> Min-75_4 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04137> Min-77 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04138> Min-77_1 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04139> Min-77_2 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04140> Min-78 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04141> Min-79 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04142> Min-8 | CIRCULAR | 0.675 | 0 | 0 | 0 | 1 |
| 04143> Min-80 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04144> Min-800 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04145> Min-801 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04146> Min-802 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04147> Min-803 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04148> Min-804 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04149> Min-805 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04150> Min-806 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04151> Min-807 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04152> Min-808 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04153> Min-809 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04154> Min-81 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04155> Min-82_1 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04156> Min-82_2 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04157> Min-83 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04158> Min-84 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04159> Min-85 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04160> Min-87 | CIRCULAR | 0.45 | 0 | 0 | 0 | 1 |
| 04161> Min-88 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04162> Min-89 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04163> Min-9 | CIRCULAR | 0.75 | 0 | 0 | 0 | 1 |
| 04164> Min-90 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04165> Min-91 | CIRCULAR | 0.375 | 0 | 0 | 0 | 1 |
| 04166> Min-92_1 | CIRCULAR | 0.975 | 0 | 0 | 0 | 1 |
| 04167> Min-92_2 | CIRCULAR | 0.975 | 0 | 0 | 0 | 1 |
| 04168> Min-93_1 | CIRCULAR | 1.2 | 0 | 0 | 0 | 1 |
| 04169> Min-93_2 | CIRCULAR | 1.2 | 0 | 0 | 0 | 1 |
| 04170> Min-94_2 | CIRCULAR | 1.2 | 0 | 0 | 0 | 1 |
| 04171> Min-94_3 | CIRCULAR | 1.2 | 0 | 0 | 0 | 1 |
| 04172> Min-94_4 | CIRCULAR | 1.2 | 0 | 0 | 0 | 1 |
| 04173> Min-96 | CIRCULAR | 1.2 | 0 | 0 | 0 | 1 |
| 04174> Min-97 | CIRCULAR | 1.2 | 0 | 0 | 0 | 1 |
| 04175> Min-98 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04176> Min-99 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04177> Min-990 | CIRCULAR | 1.35 | 0 | 0 | 0 | 1 |
| 04178> Min-OGS | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04179> RYP-1 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04180> RYP-10 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04181> RYP-11 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04182> RYP-12 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04183> RYP-125 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |

| | | | | | | | |
|--------|---------|-----------|-----------------|---|---|---|---|
| 04184> | RYP-13 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04185> | RYP-14 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04186> | RYP-143 | CIRCULAR | 0.6 | 0 | 0 | 0 | 1 |
| 04187> | RYP-15 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04188> | RYP-16 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04189> | RYP-17 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04190> | RYP-2 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04191> | RYP-22 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04192> | RYP-23 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04193> | RYP-24 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04194> | RYP-25 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04195> | RYP-26 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04196> | RYP-27 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04197> | RYP-28 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04198> | RYP-29 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04199> | RYP-3 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04200> | RYP-30 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04201> | RYP-31 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04202> | RYP-32 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04203> | RYP-33 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04204> | RYP-34 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04205> | RYP-35 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04206> | RYP-36 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04207> | RYP-37 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04208> | RYP-38 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04209> | RYP-39 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04210> | RYP-4 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04211> | RYP-40 | CIRCULAR | 0.525 | 0 | 0 | 0 | 1 |
| 04212> | RYP-41 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04213> | RYP-42 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04214> | RYP-43 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04215> | RYP-44 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04216> | RYP-45 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04217> | RYP-46 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04218> | RYP-48 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04219> | RYP-49 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04220> | RYP-5 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04221> | RYP-50 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04222> | RYP-51 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04223> | RYP-52 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04224> | RYP-53 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04225> | RYP-54 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04226> | RYP-55 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04227> | RYP-56 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04228> | RYP-57 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04229> | RYP-58 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04230> | RYP-59 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04231> | RYP-6 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04232> | RYP-60 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04233> | RYP-62 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04234> | RYP-63 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04235> | RYP-64 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04236> | RYP-65 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04237> | RYP-66 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04238> | RYP-67 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04239> | RYP-68 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04240> | RYP-69 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04241> | RYP-7 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04242> | RYP-70 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04243> | RYP-71 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04244> | RYP-72 | CIRCULAR | 0.3 | 0 | 0 | 0 | 1 |
| 04245> | RYP-8 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04246> | RYP-9 | CIRCULAR | 0.25 | 0 | 0 | 0 | 1 |
| 04247> | RYS-100 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04248> | RYS-101 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04249> | RYS-102 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04250> | RYS-103 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04251> | RYS-104 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04252> | RYS-126 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04253> | RYS-127 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04254> | RYS-128 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04255> | RYS-129 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04256> | RYS-130 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04257> | RYS-131 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04258> | RYS-132 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04259> | RYS-133 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04260> | RYS-134 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04261> | RYS-136 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04262> | RYS-137 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04263> | RYS-138 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04264> | RYS-139 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04265> | RYS-140 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04266> | RYS-141 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04267> | RYS-142 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04268> | RYS-143 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04269> | RYS-144 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04270> | RYS-145 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04271> | RYS-149 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04272> | RYS-150 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |

| | | | | | | | |
|--------|--------------|-----------|-----------------|-----|---|---|---|
| 04362> | RYS-251 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04363> | RYS-252 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04364> | RYS-253 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04365> | RYS-254 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04366> | RYS-255 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04367> | RYS-256 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04368> | RYS-257 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04369> | RYS-258 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04370> | RYS-259 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04371> | RYS-260 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04372> | RYS-261 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04373> | RYS-262 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04374> | RYS-263 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04375> | RYS-264 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04376> | RYS-265 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04377> | RYS-266 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04378> | RYS-267 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04379> | RYS-268 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04380> | RYS-269 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04381> | RYS-270 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04382> | RYS-271 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04383> | RYS-272 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04384> | RYS-273 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04385> | RYS-274 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04386> | RYS-275 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04387> | RYS-276 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04388> | RYS-277 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04389> | RYS-278 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04390> | RYS-279 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04391> | RYS-280 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04392> | RYS-281 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04393> | RYS-282 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04394> | RYS-283 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04395> | RYS-284 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04396> | RYS-285 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04397> | RYS-286 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04398> | RYS-287 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04399> | RYS-288 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04400> | RYS-289 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04401> | RYS-290 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04402> | RYS-291 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04403> | RYS-292 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04404> | RYS-293 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04405> | RYS-294 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04406> | RYS-295 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04407> | RYS-296 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04408> | RYS-297 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04409> | RYS-298 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04410> | RYS-299 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04411> | RYS-300 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04412> | RYS-301 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04413> | RYS-302 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04414> | RYS-303 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04415> | RYS-304 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04416> | RYS-305 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04417> | RYS-306 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04418> | RYS-48 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04419> | RYS-74 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04420> | RYS-75 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04421> | RYS-76 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04422> | RYS-77 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04423> | RYS-78 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04424> | RYS-79 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04425> | RYS-80 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04426> | RYS-81 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04427> | RYS-82 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04428> | RYS-83 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04429> | RYS-84 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04430> | RYS-85 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04431> | RYS-86 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04432> | RYS-87 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04433> | RYS-88 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04434> | RYS-89 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04435> | RYS-90 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04436> | RYS-91 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04437> | RYS-93 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04438> | RYS-94 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04439> | RYS-95 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04440> | RYS-96 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04441> | RYS-97 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04442> | RYS-98 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04443> | RYS-99 | IRREGULAR | Rear_Yard_Swale | 0 | 0 | 0 | 1 |
| 04444> | ABGR02 | CIRCULAR | 0.2 | 0 | 0 | 0 | |
| 04445> | Qual1 | CIRCULAR | 0.23 | 0 | 0 | 0 | |
| 04446> | Quan1 | CIRCULAR | 0.6 | 0 | 0 | 0 | |
| 04447> | Emer1 | RECT_OPEN | 0.55 | 8.1 | 0 | 0 | |
| 04448> | Emer2 | RECT_OPEN | 0.55 | 10 | 0 | 0 | |
| 04449> | Min-205_2 | RECT_OPEN | 1 | 34 | 0 | 0 | |
| 04450> | OGS_Overflow | RECT_OPEN | 0.311 | 2.4 | 0 | 0 | |

```

04451> Quan2          RECT_OPEN    0.75          8.4          0          0
04452> Quan3          RECT_OPEN    0.75          8.4          0          0
04453> Quan4          RECT_OPEN    0.75          8.4          0          0
04454> SEnclave_Out    RECT_OPEN    1            31           0          0
04455> Trench-Overflow  RECT_OPEN    1            3.5          0          0
04456> W2                RECT_OPEN    0.177        0.525        0          0
04457>
04458> [TRANSECTS]
04459>
04460> ;Based on Bronte Green Standard Roadway Sections
04461> NC 0.035          0.035        0.013
04462> X1 11m_ROW        5            -3           3           0.0         0.0         0.0         0.0         0.0
04463> GR 0.016          -6.3         -0.06       -3           0           0           0.06        3           0.094        4.7
04464>
04465> ;Based on Bronte Green Standard Roadway Sections
04466> NC 0.035          0.035        0.013
04467> X1 16m_ROW        7            -3.751       3.751       0.0         0.0         0.0         0.0         0.0         0.0
04468> GR 0.12           -7           0.0375      -3.751      -0.1125     -3.75       0           0           -0.1125     3.75
04469> GR 0.0375         3.751        0.17         9
04470>
04471> ;Based on Bronte Green Standard Roadway Sections
04472> NC 0.035          0.035        0.013
04473> X1 17m_ROW        7            -4.251       4.251       0.0         0.0         0.0         0.0         0.0         0.0
04474> GR 0.13           -8.5         0.0225      -4.251      -0.1275     -4.25       0           0           -0.1275     4.25
04475> GR 0.0225         4.251        0.13         8.5
04476>
04477> ;Based on Bronte Green Standard Roadway Sections
04478> NC 0.035          0.035        0.013
04479> X1 19m_ROW        7            -4.751       4.751       0.0         0.0         0.0         0.0         0.0         0.0
04480> GR 0.16           -9.5         0.055        -4.751      -0.095      -4.75       0           0           -0.095      4.75
04481> GR 0.055          4.751        0.16         9.5
04482>
04483> ;Based on Bronte Green Standard Roadway Sections
04484> NC 0.035          0.035        0.013
04485> X1 20m_ROW        7            -5.251       5.251       0.0         0.0         0.0         0.0         0.0         0.0
04486> GR 0.16           -10          0.045        -5.251      -0.105      -5.25       0           0           -0.105      5.25
04487> GR 0.045          5.251        0.16         10
04488>
04489> ;Based on Bronte Green Standard Roadway Sections
04490> NC 0.035          0.035        0.013
04491> X1 22m_ROW        7            -6.251       6.251       0.0         0.0         0.0         0.0         0.0         0.0
04492> GR 0.14           -11          0.025        -6.251      -0.125      -6.25       0           0           -0.125      6.25
04493> GR 0.025          6.251        0.14         11
04494>
04495> ;Based on Bronte Green Standard Roadway Sections
04496> NC 0.035          0.035        0.013
04497> X1 24m_ROW        7            -4.751       4.751       0.0         0.0         0.0         0.0         0.0         0.0
04498> GR 0.1138         -9.3         0.055        -4.751      -0.095      -4.75       0           0           -0.095      4.75
04499> GR 0.055          4.751        0.25         14.751
04500>
04501> ;Assume 15% cross-slope
04502> NC 0.025          0.013        0.025
04503> X1 3m_Path        5            1            1           0.0         0.0         0.0         0.0         0.0         0.0
04504> GR 1              -8.15        0            -1.5        0           0           1.5         1           8.15
04505>
04506> ;Assumed 2% grade
04507> NC 0.01           0.01         0.01
04508> X1 Rear_Yard_Swale 3            -25          25           0.0         0.0         0.0         0.0         0.0         0.0
04509> GR 0.3            -15          0            0           0.3         15
04510>
04511> [LOSSES]
04512> ;;Link           Inlet         Outlet        Average       Flap Gate    SeepageRate
04513> ;;-----
04514> A006PK1-Spill    0            0            0            YES          0
04515> A010DV1-Spill    0            0            0            YES          0
04516> A032SC1-Spill    0            0            0            YES          0
04517> A034SC1-Spill    0            0            0            YES          0
04518> A052DV1-Spill    0            0            0            YES          0
04519> A058PK1-Spill    0            0            0            YES          0
04520> A059PK1-Spill    0            0            0            YES          0
04521> A079DV1-Spill    0            0            0            YES          0
04522> A201DV1-spill    0            0            0            YES          0
04523> B-Road_Spill     0            0            0            YES          0
04524> B-Road_Spill2    0            0            0            YES          0
04525> B-Road_Spill3    0            0            0            YES          0
04526> MH-53_1          0            0.02         0            NO           0
04527> MH-809           0            1.33         0            NO           0
04528> MH-OGS2          0            1.33         0            NO           0
04529> Min_Spill_53     0            0            0            YES          0
04530> Min_Spill_1      0            0            0            YES          0
04531> Min_Spill_10     0            0            0            YES          0
04532> Min_Spill_11     0            0            0            YES          0
04533> Min_Spill_12     0            0            0            YES          0
04534> Min_Spill_13     0            0            0            YES          0
04535> Min_Spill_14     0            0            0            YES          0
04536> Min_Spill_15     0            0            0            YES          0
04537> Min_Spill_16     0            0            0            YES          0
04538> Min_Spill_17     0            0            0            YES          0
04539> Min_Spill_18     0            0            0            YES          0

```

| | | | | | |
|---------------------|------|-------|---|-----|---|
| 04540> Min_Spill_19 | 0 | 0 | 0 | YES | 0 |
| 04541> Min_Spill_2 | 0 | 0 | 0 | YES | 0 |
| 04542> Min_Spill_20 | 0 | 0 | 0 | YES | 0 |
| 04543> Min_Spill_21 | 0 | 0 | 0 | YES | 0 |
| 04544> Min_Spill_22 | 0 | 0 | 0 | YES | 0 |
| 04545> Min_Spill_23 | 0 | 0 | 0 | YES | 0 |
| 04546> Min_Spill_24 | 0 | 0 | 0 | YES | 0 |
| 04547> Min_Spill_25 | 0 | 0 | 0 | YES | 0 |
| 04548> Min_Spill_26 | 0 | 0 | 0 | YES | 0 |
| 04549> Min_Spill_27 | 0 | 0 | 0 | YES | 0 |
| 04550> Min_Spill_28 | 0 | 0 | 0 | YES | 0 |
| 04551> Min_Spill_29 | 0 | 0 | 0 | YES | 0 |
| 04552> Min_Spill_3 | 0 | 0 | 0 | YES | 0 |
| 04553> Min_Spill_30 | 0 | 0 | 0 | YES | 0 |
| 04554> Min_Spill_31 | 0 | 0 | 0 | YES | 0 |
| 04555> Min_Spill_32 | 0 | 0 | 0 | YES | 0 |
| 04556> Min_Spill_33 | 0 | 0 | 0 | YES | 0 |
| 04557> Min_Spill_34 | 0 | 0 | 0 | YES | 0 |
| 04558> Min_Spill_35 | 0 | 0 | 0 | YES | 0 |
| 04559> Min_Spill_36 | 0 | 0 | 0 | YES | 0 |
| 04560> Min_Spill_37 | 0 | 0 | 0 | YES | 0 |
| 04561> Min_Spill_38 | 0 | 0 | 0 | YES | 0 |
| 04562> Min_Spill_39 | 0 | 0 | 0 | YES | 0 |
| 04563> Min_Spill_4 | 0 | 0 | 0 | YES | 0 |
| 04564> Min_Spill_40 | 0 | 0 | 0 | YES | 0 |
| 04565> Min_Spill_41 | 0 | 0 | 0 | YES | 0 |
| 04566> Min_Spill_42 | 0 | 0 | 0 | YES | 0 |
| 04567> Min_Spill_43 | 0 | 0 | 0 | YES | 0 |
| 04568> Min_Spill_44 | 0 | 0 | 0 | YES | 0 |
| 04569> Min_Spill_45 | 0 | 0 | 0 | YES | 0 |
| 04570> Min_Spill_46 | 0 | 0 | 0 | YES | 0 |
| 04571> Min_Spill_47 | 0 | 0 | 0 | YES | 0 |
| 04572> Min_Spill_48 | 0 | 0 | 0 | YES | 0 |
| 04573> Min_Spill_49 | 0 | 0 | 0 | YES | 0 |
| 04574> Min_Spill_5 | 0 | 0 | 0 | YES | 0 |
| 04575> Min_Spill_50 | 0 | 0 | 0 | YES | 0 |
| 04576> Min_Spill_51 | 0 | 0 | 0 | YES | 0 |
| 04577> Min_Spill_52 | 0 | 0 | 0 | YES | 0 |
| 04578> Min_Spill_53 | 0 | 0 | 0 | YES | 0 |
| 04579> Min_Spill_6 | 0 | 0 | 0 | YES | 0 |
| 04580> Min_Spill_7 | 0 | 0 | 0 | YES | 0 |
| 04581> Min_Spill_8 | 0 | 0 | 0 | YES | 0 |
| 04582> Min_Spill_9 | 0 | 0 | 0 | YES | 0 |
| 04583> Min-1_2 | 0 | 0.02 | 0 | NO | 0 |
| 04584> Min-10 | 0 | 0.08 | 0 | NO | 0 |
| 04585> Min-105_2 | 0 | 0.035 | 0 | NO | 0 |
| 04586> Min-106 | 0 | 0.73 | 0 | NO | 0 |
| 04587> Min-107 | 0 | 0.73 | 0 | NO | 0 |
| 04588> Min-108 | 1 | 1 | 0 | NO | 0 |
| 04589> Min-109 | 0 | 0.02 | 0 | NO | 0 |
| 04590> Min-11 | 0 | 1.33 | 0 | NO | 0 |
| 04591> Min-110 | 0 | 0.02 | 0 | NO | 0 |
| 04592> Min-111 | 0 | 0.02 | 0 | NO | 0 |
| 04593> Min-112 | 0 | 0.02 | 0 | NO | 0 |
| 04594> Min-113 | 0 | 0.08 | 0 | NO | 0 |
| 04595> Min-114 | 0 | 0.21 | 0 | NO | 0 |
| 04596> Min-115 | 0 | 0.08 | 0 | NO | 0 |
| 04597> Min-116 | 0 | 0.02 | 0 | NO | 0 |
| 04598> Min-117_2 | 0 | 0.02 | 0 | NO | 0 |
| 04599> Min-118 | 0 | 0.54 | 0 | NO | 0 |
| 04600> Min-119 | 0 | 0.02 | 0 | NO | 0 |
| 04601> Min-1190 | 1 | 0 | 0 | NO | 0 |
| 04602> Min-12_1 | 0 | 0.02 | 0 | NO | 0 |
| 04603> Min-12_2 | 0 | 0.08 | 0 | NO | 0 |
| 04604> Min-120 | 0 | 0.08 | 0 | NO | 0 |
| 04605> Min-13 | 0 | 1.33 | 0 | NO | 0 |
| 04606> Min-14_1 | 0 | 0.02 | 0 | NO | 0 |
| 04607> Min-14_2 | 0 | 0.635 | 0 | NO | 0 |
| 04608> Min-16 | 0 | 0.16 | 0 | NO | 0 |
| 04609> Min-17 | 0 | 0.39 | 0 | NO | 0 |
| 04610> Min-18 | 0 | 0.47 | 0 | NO | 0 |
| 04611> Min-19_1 | 0 | 0.02 | 0 | NO | 0 |
| 04612> Min-19_2 | 0 | 1.33 | 0 | NO | 0 |
| 04613> Min-2 | 0 | 1.33 | 0 | NO | 0 |
| 04614> Min-20 | 0 | 1.07 | 0 | NO | 0 |
| 04615> Min-200_2 | 0 | 0.02 | 0 | NO | 0 |
| 04616> Min-201 | 0 | 0.47 | 0 | NO | 0 |
| 04617> Min-202 | 0 | 0.39 | 0 | NO | 0 |
| 04618> Min-203 | 0 | 1.33 | 0 | NO | 0 |
| 04619> Min-204 | 1.33 | 0 | 0 | NO | 0 |
| 04620> Min-21 | 0 | 0.39 | 0 | NO | 0 |
| 04621> Min-22 | 0 | 1.33 | 0 | NO | 0 |
| 04622> Min-23 | 0 | 0.39 | 0 | NO | 0 |
| 04623> Min-24 | 0 | 0.39 | 0 | NO | 0 |
| 04624> Min-25 | 0 | 0.16 | 0 | NO | 0 |
| 04625> Min-26_1 | 0 | 0.02 | 0 | NO | 0 |
| 04626> Min-26_2 | 0 | 0.39 | 0 | NO | 0 |
| 04627> Min-27 | 0 | 1.33 | 0 | NO | 0 |
| 04628> Min-28 | 0 | 0.39 | 0 | NO | 0 |

| | | | | | |
|-----------------|---|-------|------|----|---|
| 04629> Min-29 | 0 | 0.21 | 0 | NO | 0 |
| 04630> Min-3 | 0 | 1.07 | 0 | NO | 0 |
| 04631> Min-30 | 0 | 1.33 | 0 | NO | 0 |
| 04632> Min-302 | 0 | 0.26 | 0 | NO | 0 |
| 04633> Min-303 | 0 | 0.21 | 0 | NO | 0 |
| 04634> Min-31 | 0 | 0.02 | 0 | NO | 0 |
| 04635> Min-32_1 | 0 | 0.02 | 0 | NO | 0 |
| 04636> Min-32_3 | 0 | 0.02 | 0 | NO | 0 |
| 04637> Min-32_4 | 0 | 1.33 | 0 | NO | 0 |
| 04638> Min-33 | 0 | 0.02 | 0 | NO | 0 |
| 04639> Min-34_1 | 0 | 0.02 | 0 | NO | 0 |
| 04640> Min-34_3 | 0 | 0.02 | 0 | NO | 0 |
| 04641> Min-34_4 | 0 | 1.33 | 0 | NO | 0 |
| 04642> Min-35 | 0 | 0.02 | 0 | NO | 0 |
| 04643> Min-36_1 | 0 | 0.02 | 0 | NO | 0 |
| 04644> Min-36_2 | 0 | 0.035 | 0 | NO | 0 |
| 04645> Min-37 | 0 | 1.33 | 0 | NO | 0 |
| 04646> Min-38 | 0 | 0.26 | 0 | NO | 0 |
| 04647> Min-39 | 0 | 0.635 | 0 | NO | 0 |
| 04648> Min-4 | 0 | 0.39 | 0 | NO | 0 |
| 04649> Min-40 | 0 | 1.33 | 0 | NO | 0 |
| 04650> Min-400 | 0 | 1.33 | 0 | NO | 0 |
| 04651> Min-401 | 0 | 0.16 | 0 | NO | 0 |
| 04652> Min-402 | 0 | 1.33 | 0 | NO | 0 |
| 04653> Min-403 | 0 | 0.035 | 0 | NO | 0 |
| 04654> Min-41 | 0 | 0.39 | 0 | NO | 0 |
| 04655> Min-41-1 | 0 | 0.47 | 0 | NO | 0 |
| 04656> Min-42 | 0 | 0.47 | 0 | NO | 0 |
| 04657> Min-43 | 0 | 1.33 | 0 | NO | 0 |
| 04658> Min-44 | 0 | 1.33 | 0 | NO | 0 |
| 04659> Min-45 | 0 | 1.33 | 0 | NO | 0 |
| 04660> Min-45_1 | 0 | 0.39 | 0 | NO | 0 |
| 04661> Min-46 | 0 | 0.47 | 0 | NO | 0 |
| 04662> Min-47 | 0 | 0.39 | 0 | NO | 0 |
| 04663> Min-48 | 0 | 1.33 | 0 | NO | 0 |
| 04664> Min-49 | 0 | 0.32 | 0 | NO | 0 |
| 04665> Min-5 | 0 | 0.02 | 0 | NO | 0 |
| 04666> Min-50 | 0 | 0.02 | 0 | NO | 0 |
| 04667> Min-500 | 0 | 1.33 | 0 | NO | 0 |
| 04668> Min-501 | 0 | 0.02 | 0 | NO | 0 |
| 04669> Min-5010 | 0 | 1.33 | 0 | NO | 0 |
| 04670> Min-502 | 0 | 0.02 | 0 | NO | 0 |
| 04671> Min-503 | 0 | 1.33 | 0 | NO | 0 |
| 04672> Min-504 | 0 | 0.02 | 0 | NO | 0 |
| 04673> Min-505 | 0 | 0.055 | 0 | NO | 0 |
| 04674> Min-506 | 0 | 0.84 | 0 | NO | 0 |
| 04675> Min-507 | 0 | 0.26 | 0 | NO | 0 |
| 04676> Min-508 | 0 | 0.035 | 0 | NO | 0 |
| 04677> Min-509 | 0 | 0.84 | 0 | NO | 0 |
| 04678> Min-51 | 0 | 1.33 | 0 | NO | 0 |
| 04679> Min-510 | 0 | 0.39 | 0 | NO | 0 |
| 04680> Min-511 | 0 | 1.07 | 0 | NO | 0 |
| 04681> Min-512 | 0 | 0.895 | 0 | NO | 0 |
| 04682> Min-514 | 0 | 0.26 | 0 | NO | 0 |
| 04683> Min-52 | 0 | 1.33 | 0 | NO | 0 |
| 04684> Min-53 | 0 | 0.02 | 0 | NO | 0 |
| 04685> Min-54 | 0 | 0.035 | 0 | NO | 0 |
| 04686> Min-55 | 0 | 1.33 | 0 | NO | 0 |
| 04687> Min-56 | 0 | 0.08 | 0 | NO | 0 |
| 04688> Min-57 | 0 | 0.47 | 0 | NO | 0 |
| 04689> Min-58 | 0 | 0.11 | 0 | NO | 0 |
| 04690> Min-59_1 | 0 | 0.02 | 0 | NO | 0 |
| 04691> Min-59_2 | 0 | 0.035 | 0 | NO | 0 |
| 04692> Min-6 | 0 | 1.33 | 0 | NO | 0 |
| 04693> Min-60 | 0 | 0.035 | 0 | NO | 0 |
| 04694> Min-61_1 | 0 | 0.02 | 0 | NO | 0 |
| 04695> Min-61_2 | 0 | 0.055 | 0 | NO | 0 |
| 04696> Min-62_1 | 0 | 0.02 | 0 | NO | 0 |
| 04697> Min-62_2 | 0 | 0.035 | 0 | NO | 0 |
| 04698> Min-63 | 0 | 0.21 | 0 | NO | 0 |
| 04699> Min-65 | 0 | 0.73 | 0 | NO | 0 |
| 04700> Min-66 | 0 | 0.32 | 0 | NO | 0 |
| 04701> Min-67 | 0 | 0.47 | 0 | NO | 0 |
| 04702> Min-68 | 0 | 0 | 0.02 | NO | 0 |
| 04703> Min-680 | 1 | 1 | 0 | NO | 0 |
| 04704> Min-69_1 | 0 | 0.02 | 0 | NO | 0 |
| 04705> Min-69_2 | 0 | 0.47 | 0 | NO | 0 |
| 04706> Min-7_1 | 0 | 0.02 | 0 | NO | 0 |
| 04707> Min-7_2 | 0 | 0.055 | 0 | NO | 0 |
| 04708> Min-70 | 0 | 0.39 | 0 | NO | 0 |
| 04709> Min-72 | 0 | 0.02 | 0 | NO | 0 |
| 04710> Min-75_1 | 0 | 0.02 | 0 | NO | 0 |
| 04711> Min-75_3 | 0 | 0.02 | 0 | NO | 0 |
| 04712> Min-75_4 | 0 | 1.33 | 0 | NO | 0 |
| 04713> Min-77 | 0 | 1.33 | 0 | NO | 0 |
| 04714> Min-77_1 | 0 | 0.02 | 0 | NO | 0 |
| 04715> Min-77_2 | 0 | 0.035 | 0 | NO | 0 |
| 04716> Min-78 | 0 | 1.33 | 0 | NO | 0 |
| 04717> Min-79 | 0 | 0.055 | 0 | NO | 0 |

| | | | | | |
|-----------------|---|-------|---|----|---|
| 04718> Min-8 | 0 | 0.055 | 0 | NO | 0 |
| 04719> Min-80 | 0 | 1.33 | 0 | NO | 0 |
| 04720> Min-81 | 0 | 0.32 | 0 | NO | 0 |
| 04721> Min-82_1 | 0 | 0.02 | 0 | NO | 0 |
| 04722> Min-82_2 | 0 | 0.32 | 0 | NO | 0 |
| 04723> Min-83 | 0 | 0.32 | 0 | NO | 0 |
| 04724> Min-84 | 0 | 0.16 | 0 | NO | 0 |
| 04725> Min-85 | 0 | 1.33 | 0 | NO | 0 |
| 04726> Min-87 | 0 | 0.035 | 0 | NO | 0 |
| 04727> Min-88 | 0 | 0.73 | 0 | NO | 0 |
| 04728> Min-89 | 0 | 0.39 | 0 | NO | 0 |
| 04729> Min-9 | 0 | 0.02 | 0 | NO | 0 |
| 04730> Min-90 | 0 | 0.035 | 0 | NO | 0 |
| 04731> Min-91 | 0 | 0.055 | 0 | NO | 0 |
| 04732> Min-92_1 | 0 | 0.02 | 0 | NO | 0 |
| 04733> Min-92_2 | 0 | 0.035 | 0 | NO | 0 |
| 04734> Min-93_1 | 0 | 0.02 | 0 | NO | 0 |
| 04735> Min-93_2 | 0 | 0.035 | 0 | NO | 0 |
| 04736> Min-94_2 | 0 | 0.055 | 0 | NO | 0 |
| 04737> Min-96 | 0 | 0.47 | 0 | NO | 0 |
| 04738> Min-97 | 0 | 0.54 | 0 | NO | 0 |
| 04739> Min-98 | 0 | 0.11 | 0 | NO | 0 |
| 04740> Min-99 | 0 | 0.02 | 0 | NO | 0 |
| 04741> Min-990 | 1 | 1 | 0 | NO | 0 |
| 04742> Min-OGS | 0 | 1.33 | 0 | NO | 0 |
| 04743> RYP-1 | 0 | 1.33 | 0 | NO | 0 |
| 04744> RYP-10 | 0 | 0.16 | 0 | NO | 0 |
| 04745> RYP-11 | 0 | 1.19 | 0 | NO | 0 |
| 04746> RYP-12 | 0 | 1.33 | 0 | NO | 0 |
| 04747> RYP-125 | 0 | 1.33 | 0 | NO | 0 |
| 04748> RYP-13 | 0 | 1.33 | 0 | NO | 0 |
| 04749> RYP-14 | 0 | 0.47 | 0 | NO | 0 |
| 04750> RYP-143 | 0 | 1.33 | 0 | NO | 0 |
| 04751> RYP-15 | 0 | 1.33 | 0 | NO | 0 |
| 04752> RYP-16 | 0 | 0.32 | 0 | NO | 0 |
| 04753> RYP-17 | 0 | 0.32 | 0 | NO | 0 |
| 04754> RYP-2 | 0 | 1.33 | 0 | NO | 0 |
| 04755> RYP-22 | 0 | 1.33 | 0 | NO | 0 |
| 04756> RYP-23 | 0 | 1.33 | 0 | NO | 0 |
| 04757> RYP-24 | 0 | 1.19 | 0 | NO | 0 |
| 04758> RYP-25 | 0 | 1.33 | 0 | NO | 0 |
| 04759> RYP-26 | 0 | 1.33 | 0 | NO | 0 |
| 04760> RYP-27 | 0 | 1.33 | 0 | NO | 0 |
| 04761> RYP-28 | 0 | 1.07 | 0 | NO | 0 |
| 04762> RYP-29 | 0 | 1.33 | 0 | NO | 0 |
| 04763> RYP-3 | 0 | 1.33 | 0 | NO | 0 |
| 04764> RYP-30 | 0 | 1.33 | 0 | NO | 0 |
| 04765> RYP-31 | 0 | 1.33 | 0 | NO | 0 |
| 04766> RYP-32 | 0 | 0.73 | 0 | NO | 0 |
| 04767> RYP-33 | 0 | 1.33 | 0 | NO | 0 |
| 04768> RYP-34 | 0 | 1.07 | 0 | NO | 0 |
| 04769> RYP-35 | 0 | 1.33 | 0 | NO | 0 |
| 04770> RYP-36 | 0 | 1.33 | 0 | NO | 0 |
| 04771> RYP-37 | 0 | 1.33 | 0 | NO | 0 |
| 04772> RYP-38 | 0 | 0.21 | 0 | NO | 0 |
| 04773> RYP-39 | 0 | 1.33 | 0 | NO | 0 |
| 04774> RYP-4 | 0 | 1.33 | 0 | NO | 0 |
| 04775> RYP-40 | 0 | 1.33 | 0 | NO | 0 |
| 04776> RYP-41 | 0 | 1.07 | 0 | NO | 0 |
| 04777> RYP-42 | 0 | 1.33 | 0 | NO | 0 |
| 04778> RYP-43 | 0 | 1.07 | 0 | NO | 0 |
| 04779> RYP-44 | 0 | 1.33 | 0 | NO | 0 |
| 04780> RYP-45 | 0 | 0.84 | 0 | NO | 0 |
| 04781> RYP-46 | 0 | 1.33 | 0 | NO | 0 |
| 04782> RYP-48 | 0 | 1.33 | 0 | NO | 0 |
| 04783> RYP-49 | 0 | 1.33 | 0 | NO | 0 |
| 04784> RYP-5 | 0 | 1.19 | 0 | NO | 0 |
| 04785> RYP-50 | 0 | 1.33 | 0 | NO | 0 |
| 04786> RYP-51 | 0 | 1.33 | 0 | NO | 0 |
| 04787> RYP-52 | 0 | 1.19 | 0 | NO | 0 |
| 04788> RYP-53 | 0 | 1.33 | 0 | NO | 0 |
| 04789> RYP-54 | 0 | 1.33 | 0 | NO | 0 |
| 04790> RYP-55 | 0 | 1.33 | 0 | NO | 0 |
| 04791> RYP-56 | 0 | 1.33 | 0 | NO | 0 |
| 04792> RYP-57 | 0 | 1.33 | 0 | NO | 0 |
| 04793> RYP-58 | 0 | 1.33 | 0 | NO | 0 |
| 04794> RYP-59 | 0 | 1.19 | 0 | NO | 0 |
| 04795> RYP-6 | 0 | 1.07 | 0 | NO | 0 |
| 04796> RYP-60 | 0 | 1.33 | 0 | NO | 0 |
| 04797> RYP-62 | 0 | 1.33 | 0 | NO | 0 |
| 04798> RYP-63 | 0 | 1.33 | 0 | NO | 0 |
| 04799> RYP-64 | 0 | 0.54 | 0 | NO | 0 |
| 04800> RYP-65 | 0 | 1.33 | 0 | NO | 0 |
| 04801> RYP-66 | 0 | 0.635 | 0 | NO | 0 |
| 04802> RYP-67 | 0 | 1.33 | 0 | NO | 0 |
| 04803> RYP-68 | 0 | 1.33 | 0 | NO | 0 |
| 04804> RYP-69 | 0 | 1.33 | 0 | NO | 0 |
| 04805> RYP-7 | 0 | 1.33 | 0 | NO | 0 |
| 04806> RYP-70 | 0 | 1.33 | 0 | NO | 0 |

```

04807> RYP-71      0      1.33      0      NO      0
04808> RYP-72      0      1.33      0      NO      0
04809> RYP-8       0      1.19      0      NO      0
04810> RYP-9       0      1.33      0      NO      0

```

```

04811>
04812> [CURVES]
04813> ;;Name      Type      X-Value  Y-Value
04814> ;;-----
04815> ;Depth/Flow into 1 CB on a constant 0.5% slope
04816> 0.5%Slope_1-CB Rating      0.000    0.0000
04817> 0.5%Slope_1-CB      0.010    0.0002
04818> 0.5%Slope_1-CB      0.020    0.0020
04819> 0.5%Slope_1-CB      0.030    0.0059
04820> 0.5%Slope_1-CB      0.040    0.0137
04821> 0.5%Slope_1-CB      0.050    0.0239
04822> 0.5%Slope_1-CB      0.060    0.0377
04823> 0.5%Slope_1-CB      0.070    0.0479
04824> 0.5%Slope_1-CB      0.080    0.0563
04825> 0.5%Slope_1-CB      0.090    0.0641
04826> 0.5%Slope_1-CB      0.100    0.0711
04827> 0.5%Slope_1-CB      0.110    0.0776
04828> 0.5%Slope_1-CB      0.120    0.0828
04829> 0.5%Slope_1-CB      0.130    0.0893
04830> 0.5%Slope_1-CB      0.140    0.0941
04831> 0.5%Slope_1-CB      0.150    0.0992
04832> 0.5%Slope_1-CB      0.160    0.1046
04833> 0.5%Slope_1-CB      0.170    0.1096
04834> 0.5%Slope_1-CB      0.180    0.1135
04835> 0.5%Slope_1-CB      0.190    0.1177
04836> 0.5%Slope_1-CB      0.200    0.1210
04837> 0.5%Slope_1-CB      0.210    0.1240
04838> 0.5%Slope_1-CB      0.220    0.1269
04839> 0.5%Slope_1-CB      0.230    0.1294
04840> 0.5%Slope_1-CB      0.240    0.1324
04841> 0.5%Slope_1-CB      0.250    0.1353
04842> 0.5%Slope_1-CB      0.260    0.1378
04843> 0.5%Slope_1-CB      0.270    0.1399
04844> 0.5%Slope_1-CB      0.280    0.1421
04845> 0.5%Slope_1-CB      0.290    0.1441
04846> 0.5%Slope_1-CB      0.300    0.1458
04847> 0.5%Slope_1-CB      0.310    0.1476
04848> 0.5%Slope_1-CB      0.320    0.1495
04849> 0.5%Slope_1-CB      0.330    0.1513
04850> 0.5%Slope_1-CB      0.340    0.1533
04851> 0.5%Slope_1-CB      0.350    0.1552
04852> 0.5%Slope_1-CB      0.360    0.1568
04853> 0.5%Slope_1-CB      0.370    0.1586
04854> 0.5%Slope_1-CB      0.380    0.1604
04855> 0.5%Slope_1-CB      0.390    0.1623
04856> 0.5%Slope_1-CB      0.400    0.1637

```

```

04857>
04858> ;Depth/Flow into 2 CBs on a constant 0.5% slope
04859> 0.5%Slope_2-CB Rating      0.000    0.0000
04860> 0.5%Slope_2-CB      0.010    0.0004
04861> 0.5%Slope_2-CB      0.020    0.0033
04862> 0.5%Slope_2-CB      0.030    0.0099
04863> 0.5%Slope_2-CB      0.040    0.0212
04864> 0.5%Slope_2-CB      0.050    0.0381
04865> 0.5%Slope_2-CB      0.060    0.0619
04866> 0.5%Slope_2-CB      0.070    0.0931
04867> 0.5%Slope_2-CB      0.080    0.1126
04868> 0.5%Slope_2-CB      0.090    0.1283
04869> 0.5%Slope_2-CB      0.100    0.1422
04870> 0.5%Slope_2-CB      0.110    0.1552
04871> 0.5%Slope_2-CB      0.120    0.1656
04872> 0.5%Slope_2-CB      0.130    0.1786
04873> 0.5%Slope_2-CB      0.140    0.1883
04874> 0.5%Slope_2-CB      0.150    0.1985
04875> 0.5%Slope_2-CB      0.160    0.2093
04876> 0.5%Slope_2-CB      0.170    0.2192
04877> 0.5%Slope_2-CB      0.180    0.2269
04878> 0.5%Slope_2-CB      0.190    0.2354
04879> 0.5%Slope_2-CB      0.200    0.2419
04880> 0.5%Slope_2-CB      0.210    0.2480
04881> 0.5%Slope_2-CB      0.220    0.2538
04882> 0.5%Slope_2-CB      0.230    0.2589
04883> 0.5%Slope_2-CB      0.240    0.2648
04884> 0.5%Slope_2-CB      0.250    0.2706
04885> 0.5%Slope_2-CB      0.260    0.2756
04886> 0.5%Slope_2-CB      0.270    0.2798
04887> 0.5%Slope_2-CB      0.280    0.2842
04888> 0.5%Slope_2-CB      0.290    0.2883
04889> 0.5%Slope_2-CB      0.300    0.2916
04890> 0.5%Slope_2-CB      0.310    0.2953
04891> 0.5%Slope_2-CB      0.320    0.2989
04892> 0.5%Slope_2-CB      0.330    0.3026
04893> 0.5%Slope_2-CB      0.340    0.3066
04894> 0.5%Slope_2-CB      0.350    0.3103
04895> 0.5%Slope_2-CB      0.360    0.3135

```

| | | | |
|--------|---|-------|--------|
| 04896> | 0.5%Slope_2-CB | 0.370 | 0.3173 |
| 04897> | 0.5%Slope_2-CB | 0.380 | 0.3207 |
| 04898> | 0.5%Slope_2-CB | 0.390 | 0.3246 |
| 04899> | 0.5%Slope_2-CB | 0.400 | 0.3274 |
| 04900> | | | |
| 04901> | ;Depth/Flow into 1 CBs on a constant 1.0% slope | | |
| 04902> | Rating | 0.000 | 0.0000 |
| 04903> | 1.0%Slope_1-CB | 0.010 | 0.0004 |
| 04904> | 1.0%Slope_1-CB | 0.020 | 0.0028 |
| 04905> | 1.0%Slope_1-CB | 0.030 | 0.0083 |
| 04906> | 1.0%Slope_1-CB | 0.040 | 0.0180 |
| 04907> | 1.0%Slope_1-CB | 0.050 | 0.0308 |
| 04908> | 1.0%Slope_1-CB | 0.060 | 0.0446 |
| 04909> | 1.0%Slope_1-CB | 0.070 | 0.0554 |
| 04910> | 1.0%Slope_1-CB | 0.080 | 0.0643 |
| 04911> | 1.0%Slope_1-CB | 0.090 | 0.0716 |
| 04912> | 1.0%Slope_1-CB | 0.100 | 0.0787 |
| 04913> | 1.0%Slope_1-CB | 0.110 | 0.0857 |
| 04914> | 1.0%Slope_1-CB | 0.120 | 0.0917 |
| 04915> | 1.0%Slope_1-CB | 0.130 | 0.0968 |
| 04916> | 1.0%Slope_1-CB | 0.140 | 0.1035 |
| 04917> | 1.0%Slope_1-CB | 0.150 | 0.1093 |
| 04918> | 1.0%Slope_1-CB | 0.160 | 0.1136 |
| 04919> | 1.0%Slope_1-CB | 0.170 | 0.1182 |
| 04920> | 1.0%Slope_1-CB | 0.180 | 0.1217 |
| 04921> | 1.0%Slope_1-CB | 0.190 | 0.1253 |
| 04922> | 1.0%Slope_1-CB | 0.200 | 0.1285 |
| 04923> | 1.0%Slope_1-CB | 0.210 | 0.1318 |
| 04924> | 1.0%Slope_1-CB | 0.220 | 0.1354 |
| 04925> | 1.0%Slope_1-CB | 0.230 | 0.1380 |
| 04926> | 1.0%Slope_1-CB | 0.240 | 0.1405 |
| 04927> | 1.0%Slope_1-CB | 0.250 | 0.1430 |
| 04928> | 1.0%Slope_1-CB | 0.260 | 0.1452 |
| 04929> | 1.0%Slope_1-CB | 0.270 | 0.1476 |
| 04930> | 1.0%Slope_1-CB | 0.280 | 0.1499 |
| 04931> | 1.0%Slope_1-CB | 0.290 | 0.1525 |
| 04932> | 1.0%Slope_1-CB | 0.300 | 0.1547 |
| 04933> | 1.0%Slope_1-CB | 0.310 | 0.1564 |
| 04934> | 1.0%Slope_1-CB | 0.320 | 0.1582 |
| 04935> | 1.0%Slope_1-CB | 0.330 | 0.1602 |
| 04936> | 1.0%Slope_1-CB | 0.340 | 0.1619 |
| 04937> | 1.0%Slope_1-CB | 0.350 | 0.1637 |
| 04938> | 1.0%Slope_1-CB | 0.360 | 0.1655 |
| 04939> | 1.0%Slope_1-CB | 0.370 | 0.1669 |
| 04940> | | | |
| 04941> | ;Depth/Flow into 2 CBs on a constant 1.0% slope | | |
| 04942> | Rating | 0.000 | 0.0000 |
| 04943> | 1.0%Slope_2-CB | 0.010 | 0.0007 |
| 04944> | 1.0%Slope_2-CB | 0.020 | 0.0047 |
| 04945> | 1.0%Slope_2-CB | 0.030 | 0.0139 |
| 04946> | 1.0%Slope_2-CB | 0.040 | 0.0299 |
| 04947> | 1.0%Slope_2-CB | 0.050 | 0.0540 |
| 04948> | 1.0%Slope_2-CB | 0.060 | 0.0878 |
| 04949> | 1.0%Slope_2-CB | 0.070 | 0.1108 |
| 04950> | 1.0%Slope_2-CB | 0.080 | 0.1287 |
| 04951> | 1.0%Slope_2-CB | 0.090 | 0.1432 |
| 04952> | 1.0%Slope_2-CB | 0.100 | 0.1575 |
| 04953> | 1.0%Slope_2-CB | 0.110 | 0.1715 |
| 04954> | 1.0%Slope_2-CB | 0.120 | 0.1835 |
| 04955> | 1.0%Slope_2-CB | 0.130 | 0.1937 |
| 04956> | 1.0%Slope_2-CB | 0.140 | 0.2069 |
| 04957> | 1.0%Slope_2-CB | 0.150 | 0.2186 |
| 04958> | 1.0%Slope_2-CB | 0.160 | 0.2273 |
| 04959> | 1.0%Slope_2-CB | 0.170 | 0.2364 |
| 04960> | 1.0%Slope_2-CB | 0.180 | 0.2434 |
| 04961> | 1.0%Slope_2-CB | 0.190 | 0.2507 |
| 04962> | 1.0%Slope_2-CB | 0.200 | 0.2569 |
| 04963> | 1.0%Slope_2-CB | 0.210 | 0.2635 |
| 04964> | 1.0%Slope_2-CB | 0.220 | 0.2708 |
| 04965> | 1.0%Slope_2-CB | 0.230 | 0.2759 |
| 04966> | 1.0%Slope_2-CB | 0.240 | 0.2811 |
| 04967> | 1.0%Slope_2-CB | 0.250 | 0.2860 |
| 04968> | 1.0%Slope_2-CB | 0.260 | 0.2903 |
| 04969> | 1.0%Slope_2-CB | 0.270 | 0.2951 |
| 04970> | 1.0%Slope_2-CB | 0.280 | 0.2999 |
| 04971> | 1.0%Slope_2-CB | 0.290 | 0.3050 |
| 04972> | 1.0%Slope_2-CB | 0.300 | 0.3094 |
| 04973> | 1.0%Slope_2-CB | 0.310 | 0.3129 |
| 04974> | 1.0%Slope_2-CB | 0.320 | 0.3164 |
| 04975> | 1.0%Slope_2-CB | 0.330 | 0.3203 |
| 04976> | 1.0%Slope_2-CB | 0.340 | 0.3238 |
| 04977> | 1.0%Slope_2-CB | 0.350 | 0.3274 |
| 04978> | 1.0%Slope_2-CB | 0.360 | 0.3310 |
| 04979> | 1.0%Slope_2-CB | 0.370 | 0.3338 |
| 04980> | | | |
| 04981> | ;1 Single CB on single lead pipe. Single CB is limited by 250mm Lead pipe at 1.2m head. Q=195.3 L/s | | |
| 04982> | Rating | 0 | 0 |
| 04983> | 1-CB | 0.05 | 0.1953 |
| 04984> | 1-CB | 1 | 0.1954 |

```

04985>
04986> ;1 DCB on single lead pipe. DCB is limited by 300mm Lead pipe at 1.2m head. Q=281.2 L/s
04987> 1-DCB          Rating      0          0
04988> 1-DCB          Rating      0.05       0.2812
04989> 1-DCB          Rating      1          0.2813
04990>
04991> ;DCB and CB on individual lead pipes.
04992> ;Single CB is limited by 250mm Lead pipe at 1.2m head. Q=195.3.
04993> ;Double CB is limited by 300mm lead pipe at 1.2m head L/s. Q= 281.2 L/s.
04994> ;Q_Total=476.51/s
04995> 1-DCB_1-CB      Rating      0          0
04996> 1-DCB_1-CB      Rating      0.05       0.4765
04997> 1-DCB_1-CB      Rating      1          0.4766
04998>
04999> ;Depth/Flow into 1 CBs on a constant 2.0% slope
05000> 2.0%Slope_1-CB  Rating      0.000     0.0000
05001> 2.0%Slope_1-CB  Rating      0.010     0.0006
05002> 2.0%Slope_1-CB  Rating      0.020     0.0041
05003> 2.0%Slope_1-CB  Rating      0.030     0.0109
05004> 2.0%Slope_1-CB  Rating      0.040     0.0225
05005> 2.0%Slope_1-CB  Rating      0.050     0.0375
05006> 2.0%Slope_1-CB  Rating      0.060     0.0508
05007> 2.0%Slope_1-CB  Rating      0.070     0.0611
05008> 2.0%Slope_1-CB  Rating      0.080     0.0703
05009> 2.0%Slope_1-CB  Rating      0.090     0.0781
05010> 2.0%Slope_1-CB  Rating      0.100     0.0857
05011> 2.0%Slope_1-CB  Rating      0.110     0.0914
05012> 2.0%Slope_1-CB  Rating      0.120     0.0977
05013> 2.0%Slope_1-CB  Rating      0.130     0.1053
05014> 2.0%Slope_1-CB  Rating      0.140     0.1106
05015> 2.0%Slope_1-CB  Rating      0.150     0.1163
05016> 2.0%Slope_1-CB  Rating      0.160     0.1211
05017> 2.0%Slope_1-CB  Rating      0.170     0.1256
05018> 2.0%Slope_1-CB  Rating      0.180     0.1295
05019> 2.0%Slope_1-CB  Rating      0.190     0.1337
05020> 2.0%Slope_1-CB  Rating      0.200     0.1370
05021> 2.0%Slope_1-CB  Rating      0.210     0.1400
05022> 2.0%Slope_1-CB  Rating      0.220     0.1429
05023> 2.0%Slope_1-CB  Rating      0.230     0.1455
05024> 2.0%Slope_1-CB  Rating      0.240     0.1482
05025> 2.0%Slope_1-CB  Rating      0.250     0.1511
05026> 2.0%Slope_1-CB  Rating      0.260     0.1538
05027> 2.0%Slope_1-CB  Rating      0.270     0.1559
05028> 2.0%Slope_1-CB  Rating      0.280     0.1581
05029> 2.0%Slope_1-CB  Rating      0.290     0.1603
05030> 2.0%Slope_1-CB  Rating      0.300     0.1623
05031> 2.0%Slope_1-CB  Rating      0.310     0.1644
05032> 2.0%Slope_1-CB  Rating      0.320     0.1659
05033>
05034> ;Depth/Flow into 2 CBs on a constant 2.0% slope
05035> 2.0%Slope_2-CB  Rating      0.000     0.0000
05036> 2.0%Slope_2-CB  Rating      0.010     0.0010
05037> 2.0%Slope_2-CB  Rating      0.020     0.0068
05038> 2.0%Slope_2-CB  Rating      0.030     0.0198
05039> 2.0%Slope_2-CB  Rating      0.040     0.0422
05040> 2.0%Slope_2-CB  Rating      0.050     0.0750
05041> 2.0%Slope_2-CB  Rating      0.060     0.1015
05042> 2.0%Slope_2-CB  Rating      0.070     0.1222
05043> 2.0%Slope_2-CB  Rating      0.080     0.1406
05044> 2.0%Slope_2-CB  Rating      0.090     0.1561
05045> 2.0%Slope_2-CB  Rating      0.100     0.1713
05046> 2.0%Slope_2-CB  Rating      0.110     0.1828
05047> 2.0%Slope_2-CB  Rating      0.120     0.1954
05048> 2.0%Slope_2-CB  Rating      0.130     0.2106
05049> 2.0%Slope_2-CB  Rating      0.140     0.2213
05050> 2.0%Slope_2-CB  Rating      0.150     0.2325
05051> 2.0%Slope_2-CB  Rating      0.160     0.2421
05052> 2.0%Slope_2-CB  Rating      0.170     0.2513
05053> 2.0%Slope_2-CB  Rating      0.180     0.2590
05054> 2.0%Slope_2-CB  Rating      0.190     0.2674
05055> 2.0%Slope_2-CB  Rating      0.200     0.2739
05056> 2.0%Slope_2-CB  Rating      0.210     0.2800
05057> 2.0%Slope_2-CB  Rating      0.220     0.2858
05058> 2.0%Slope_2-CB  Rating      0.230     0.2909
05059> 2.0%Slope_2-CB  Rating      0.240     0.2964
05060> 2.0%Slope_2-CB  Rating      0.250     0.3023
05061> 2.0%Slope_2-CB  Rating      0.260     0.3076
05062> 2.0%Slope_2-CB  Rating      0.270     0.3118
05063> 2.0%Slope_2-CB  Rating      0.280     0.3162
05064> 2.0%Slope_2-CB  Rating      0.290     0.3206
05065> 2.0%Slope_2-CB  Rating      0.300     0.3246
05066> 2.0%Slope_2-CB  Rating      0.310     0.3288
05067> 2.0%Slope_2-CB  Rating      0.320     0.3318
05068>
05069> ;2 Single CB on independent lead pipes. Single CB is limited by 250mm lead pipe at 1.2m head. Q= 195.3 L/s
05070> 2-CB          Rating      0          0
05071> 2-CB          Rating      0.05       .3905
05072> 2-CB          Rating      1          .3906
05073>

```

```

05074> ;2 DCB on independent lead pipes. DCB is limited by 300mm lead pipe at 1.2m head. Q= 281.2 L/s
05075> 2-DCB          Rating      0          0
05076> 2-DCB          Rating      0.05       .5623
05077> 2-DCB          Rating      1          .5624
05078>
05079> 2xICD-A         Rating      0          0
05080> 2xICD-A         Rating      0.01       0.0398
05081> 2xICD-A         Rating      0.1        0.0414
05082> 2xICD-A         Rating      0.2        0.0428
05083> 2xICD-A         Rating      0.3        0.0444
05084> 2xICD-A         Rating      0.6        0.0486
05085> 2xICD-A         Rating      0.8        0.0512
05086>
05087> ;Depth/Flow into 1 CBs on a constant 3.0% slope
05088> 3.0%Slope_1-CB    Rating      0.000     0.0000
05089> 3.0%Slope_1-CB    Rating      0.010     0.0006
05090> 3.0%Slope_1-CB    Rating      0.020     0.0041
05091> 3.0%Slope_1-CB    Rating      0.030     0.0131
05092> 3.0%Slope_1-CB    Rating      0.040     0.0258
05093> 3.0%Slope_1-CB    Rating      0.050     0.0402
05094> 3.0%Slope_1-CB    Rating      0.060     0.0522
05095> 3.0%Slope_1-CB    Rating      0.070     0.0618
05096> 3.0%Slope_1-CB    Rating      0.080     0.0707
05097> 3.0%Slope_1-CB    Rating      0.090     0.0785
05098> 3.0%Slope_1-CB    Rating      0.100     0.0851
05099> 3.0%Slope_1-CB    Rating      0.110     0.0907
05100> 3.0%Slope_1-CB    Rating      0.120     0.0975
05101> 3.0%Slope_1-CB    Rating      0.130     0.1030
05102> 3.0%Slope_1-CB    Rating      0.140     0.1092
05103> 3.0%Slope_1-CB    Rating      0.150     0.1140
05104> 3.0%Slope_1-CB    Rating      0.160     0.1183
05105> 3.0%Slope_1-CB    Rating      0.170     0.1223
05106> 3.0%Slope_1-CB    Rating      0.180     0.1265
05107> 3.0%Slope_1-CB    Rating      0.190     0.1297
05108> 3.0%Slope_1-CB    Rating      0.200     0.1330
05109> 3.0%Slope_1-CB    Rating      0.210     0.1357
05110> 3.0%Slope_1-CB    Rating      0.220     0.1385
05111> 3.0%Slope_1-CB    Rating      0.230     0.1415
05112> 3.0%Slope_1-CB    Rating      0.240     0.1440
05113> 3.0%Slope_1-CB    Rating      0.250     0.1464
05114> 3.0%Slope_1-CB    Rating      0.260     0.1488
05115> 3.0%Slope_1-CB    Rating      0.270     0.1509
05116> 3.0%Slope_1-CB    Rating      0.280     0.1528
05117> 3.0%Slope_1-CB    Rating      0.290     0.1548
05118> 3.0%Slope_1-CB    Rating      0.300     0.1549
05119>
05120> ;Depth/Flow into 1 CBs on a constant 3.0% slope
05121> 3.0%Slope_2-CB    Rating      0.000     0.0000
05122> 3.0%Slope_2-CB    Rating      0.010     0.0012
05123> 3.0%Slope_2-CB    Rating      0.020     0.0083
05124> 3.0%Slope_2-CB    Rating      0.030     0.0243
05125> 3.0%Slope_2-CB    Rating      0.040     0.0516
05126> 3.0%Slope_2-CB    Rating      0.050     0.0804
05127> 3.0%Slope_2-CB    Rating      0.060     0.1044
05128> 3.0%Slope_2-CB    Rating      0.070     0.1236
05129> 3.0%Slope_2-CB    Rating      0.080     0.1414
05130> 3.0%Slope_2-CB    Rating      0.090     0.1570
05131> 3.0%Slope_2-CB    Rating      0.100     0.1701
05132> 3.0%Slope_2-CB    Rating      0.110     0.1815
05133> 3.0%Slope_2-CB    Rating      0.120     0.1951
05134> 3.0%Slope_2-CB    Rating      0.130     0.2060
05135> 3.0%Slope_2-CB    Rating      0.140     0.2184
05136> 3.0%Slope_2-CB    Rating      0.150     0.2280
05137> 3.0%Slope_2-CB    Rating      0.160     0.2366
05138> 3.0%Slope_2-CB    Rating      0.170     0.2446
05139> 3.0%Slope_2-CB    Rating      0.180     0.2529
05140> 3.0%Slope_2-CB    Rating      0.190     0.2594
05141> 3.0%Slope_2-CB    Rating      0.200     0.2660
05142> 3.0%Slope_2-CB    Rating      0.210     0.2713
05143> 3.0%Slope_2-CB    Rating      0.220     0.2770
05144> 3.0%Slope_2-CB    Rating      0.230     0.2830
05145> 3.0%Slope_2-CB    Rating      0.240     0.2881
05146> 3.0%Slope_2-CB    Rating      0.250     0.2927
05147> 3.0%Slope_2-CB    Rating      0.260     0.2976
05148> 3.0%Slope_2-CB    Rating      0.270     0.3018
05149> 3.0%Slope_2-CB    Rating      0.280     0.3057
05150> 3.0%Slope_2-CB    Rating      0.290     0.3097
05151> 3.0%Slope_2-CB    Rating      0.300     0.3098
05152>
05153> ;4 DCB on 2 lead pipes. DCB is limited by 300mm lead pipe at 1.2m head. Q= 281.2 L/s
05154> 4-DCB          Rating      0          0
05155> 4-DCB          Rating      0.05       .5623
05156> 4-DCB          Rating      1          .5624
05157>
05158> ;Based on 5yr rational method for A006PK1
05159> A006PK1-Onsite   Rating      0          0
05160> A006PK1-Onsite   Rating      0.1        0.023
05161> A006PK1-Onsite   Rating      0.3        0.024
05162>

```

```

05163> ;Based on 5yr rational method for A010DV1
05164> A010DV1-Onsite Rating 0 0
05165> A010DV1-Onsite 0.1 0.227
05166> A010DV1-Onsite 0.3 0.228
05167>
05168> ;Based on 5yr rational method for A032SC1
05169> A032SC1-Onsite Rating 0 0
05170> A032SC1-Onsite 0.1 0.239
05171> A032SC1-Onsite 0.3 0.240
05172>
05173> ;Based on 5yr rational method for A034SC1
05174> A034SC1-Onsite Rating 0 0
05175> A034SC1-Onsite 0.1 0.231
05176> A034SC1-Onsite 0.3 0.232
05177>
05178> ;Based on 5yr rational method for A052DV1
05179> A052DV1-Onsite Rating 0 0
05180> A052DV1-Onsite 0.1 0.248
05181> A052DV1-Onsite 0.3 0.249
05182>
05183> ;Based on 5yr rational method for A058PK1 and A058HC1
05184> A058PK1-Onsite Rating 0 0
05185> A058PK1-Onsite 0.1 0.330
05186> A058PK1-Onsite 0.3 0.331
05187>
05188> ;Based on 5yr rational method for A059PK1
05189> A059PK1-Onsite Rating 0 0
05190> A059PK1-Onsite 0.1 0.037
05191> A059PK1-Onsite 0.3 0.038
05192>
05193> ;Based on 5yr rational method for A079DV1
05194> A079DV1-Onsite Rating 0 0
05195> A079DV1-Onsite 0.1 .172
05196> A079DV1-Onsite 0.3 .173
05197>
05198> ;Based on 5yr rational method for A201DV1
05199> A201DV1-Onsite Rating 0 0
05200> A201DV1-Onsite 0.1 0.290
05201> A201DV1-Onsite 0.3 0.291
05202>
05203> ;infiltrate rate 6mm/hr
05204> BG_Park-Infiltrate-Curve Rating 0 0.002133
05205> BG_Park-Infiltrate-Curve 0.5 0.002133
05206> BG_Park-Infiltrate-Curve 1 0.002133
05207>
05208> ;infiltration rate 6mm/hr
05209> BioSwale-East-Infiltrate Rating 0 0.000019
05210> BioSwale-East-Infiltrate 0.4 0.000079
05211> BioSwale-East-Infiltrate 1 0.000079
05212>
05213> ;infiltration rate 6 mm/hr
05214> BioSwaleWest-Infiltrate Rating 0 0.000020
05215> BioSwaleWest-Infiltrate 0.4 0.000083
05216> BioSwaleWest-Infiltrate 1 0.000083
05217>
05218> ;Bronte Road is to capture 10yr runoff discharge to the creek, larger events run onto the Bronte Green development
05219> BronteRoad-10YrCapture Rating 0 0
05220> BronteRoad-10YrCapture 0.1 0.338
05221> BronteRoad-10YrCapture 0.3 0.338
05222>
05223> ;Bronte Road is to capture 10yr runoff discharge to the LID, larger events run overland to the creek
05224> BronteRoad-10YrCapture2 Rating 0 0
05225> BronteRoad-10YrCapture2 0.1 0.272
05226> BronteRoad-10YrCapture2 0.3 0.272
05227>
05228> ;Bronte Road is to capture 10yr runoff discharge to the LID, larger events run overland to the creek
05229> BronteRoad-10YrCapture3 Rating 0 0
05230> BronteRoad-10YrCapture3 0.1 0.242
05231> BronteRoad-10YrCapture3 0.3 0.242
05232>
05233> ;Infiltration rate 6 mm/hr
05234> ;Based on infiltration area of 330m²
05235> BronteRoad-Infiltrate Rating 0 0.000550
05236> BronteRoad-Infiltrate 0.4 0.000550
05237> BronteRoad-Infiltrate 1 0.000550
05238>
05239> ;CB on single lead pipe, with access to only half of the steet flow. CB is limited by 250mm Lead pipe at 1.2m head.
05240> CB-Half_Street Rating 0 0
05241> CB-Half_Street 0.05 0.09765
05242> CB-Half_Street 1 0.09766
05243>
05244> ;DCB on single lead pipe, with access to only half of the steet flow. Double CB is limited by 300mm Lead pipe at 1.
05245> DCB-Half_Street Rating 0 0
05246> DCB-Half_Street 0.05 0.1405
05247> DCB-Half_Street 1 0.1406
05248>
05249> ;IPEX - Type A ICD
05250> ICD-A Rating 0 0
05251> ICD-A 0.01 0.0199

```

```

05252> ICD-A 0.1 0.0207
05253> ICD-A 0.2 0.0214
05254> ICD-A 0.3 0.0222
05255> ICD-A 0.6 0.0243
05256> ICD-A 0.8 0.0256
05257>
05258> Street100yrCapture Rating 0 0
05259> Street100yrCapture .3 5
05260>
05261> ;Infiltration rate 6 mm/hr
05262> ;Based on infiltration area of 120.50m²
05263> Trail-LID-10East-Infiltrate Rating 0 0.00019
05264> Trail-LID-10East-Infiltrate 0.5 0.00019
05265> Trail-LID-10East-Infiltrate 0.51 0.00019
05266> Trail-LID-10East-Infiltrate 2.5 0.00019
05267>
05268> ;Infiltration rate 6 mm/hr
05269> ;Based on infiltration area of 157.5m²
05270> Trail-LID-10West-Infiltrate Rating 0 0.00026
05271> Trail-LID-10West-Infiltrate 0.5 0.00026
05272> Trail-LID-10West-Infiltrate 0.51 0.00026
05273> Trail-LID-10West-Infiltrate 2.5 0.00026
05274>
05275> ;Infiltration rate 6 mm/hr
05276> ;Based on infiltration area of 227m²
05277> Trail-LID-1-Infiltrate Rating 0 0.00046
05278> Trail-LID-1-Infiltrate 0.5 0.00046
05279> Trail-LID-1-Infiltrate 0.51 0.00046
05280> Trail-LID-1-Infiltrate 2.5 0.00046
05281>
05282> ;Infiltration rate 6 mm/hr
05283> ;Based on infiltration area of 148m²
05284> Trail-LID-2-Infiltrate Rating 0 0.00025
05285> Trail-LID-2-Infiltrate 0.5 0.00025
05286> Trail-LID-2-Infiltrate 0.51 0.00025
05287> Trail-LID-2-Infiltrate 2.5 0.00025
05288>
05289> ;Infiltration rate 6 mm/hr
05290> ;Based on infiltration area of 50m²
05291> Trail-LID-3-Infiltrate Rating 0 0.00008
05292> Trail-LID-3-Infiltrate 0.5 0.00008
05293> Trail-LID-3-Infiltrate 0.51 0.00008
05294> Trail-LID-3-Infiltrate 2.5 0.00008
05295>
05296> ;Infiltration rate 6 mm/hr
05297> ;Based on infiltration area of 112.53m²
05298> Trail-LID-4-Infiltrate-East Rating 0 0.00019
05299> Trail-LID-4-Infiltrate-East 0.5 0.00019
05300> Trail-LID-4-Infiltrate-East 0.51 0.00019
05301> Trail-LID-4-Infiltrate-East 2.5 0.00019
05302>
05303> ;Infiltration rate 6 mm/hr
05304> ;Based on infiltration area of 116.3m²
05305> Trail-LID-4-Infiltrate-West Rating 0 0.00019
05306> Trail-LID-4-Infiltrate-West 0.5 0.00019
05307> Trail-LID-4-Infiltrate-West 0.51 0.00019
05308> Trail-LID-4-Infiltrate-West 2.5 0.00019
05309>
05310> ;Infiltration rate 6 mm/hr
05311> ;Based on infiltration area of 107.3m²
05312> Trail-LID-5-Infiltrate Rating 0 0.00018
05313> Trail-LID-5-Infiltrate 0.5 0.00018
05314> Trail-LID-5-Infiltrate 0.51 0.00018
05315> Trail-LID-5-Infiltrate 2.5 0.00018
05316>
05317> ;Infiltration rate 6 mm/hr
05318> ;Based on infiltration area of 258m²
05319> Trail-LID-6-Infiltrate Rating 0 0.00043
05320> Trail-LID-6-Infiltrate 0.5 0.00043
05321> Trail-LID-6-Infiltrate 0.51 0.00043
05322> Trail-LID-6-Infiltrate 2.5 0.00043
05323>
05324> ;Infiltration rate 6 mm/hr
05325> ;Based on infiltration area of 80.3m²
05326> Trail-LID-7-Infiltrate Rating 0 0.00013
05327> Trail-LID-7-Infiltrate 0.5 0.00013
05328> Trail-LID-7-Infiltrate 0.51 0.00013
05329> Trail-LID-7-Infiltrate 2.5 0.00013
05330>
05331> ;Infiltration rate 6 mm/hr
05332> ;Based on infiltration area of 68.3m²
05333> Trail-LID-8-Infiltrate Rating 0 0.00011
05334> Trail-LID-8-Infiltrate 0.5 0.00011
05335> Trail-LID-8-Infiltrate 0.51 0.00011
05336> Trail-LID-8-Infiltrate 2.5 0.00011
05337>
05338> ;Infiltration rate 6 mm/hr
05339> ;Based on infiltration area of 32.3m²
05340> Trail-LID-9-Infiltrate Rating 0 0.00005

```

```

05341> Trail-LID-9-Infiltrate          0.5      0.00005
05342> Trail-LID-9-Infiltrate          0.51     0.00005
05343> Trail-LID-9-Infiltrate          2.5      0.00005
05344>
05345> ;6mm/hr infiltration rate
05346> ;Infiltration rate 6 mm/hr
05347> ;Based on infiltration area of 245m²
05348> UrbanSquare-Infiltrate Rating      0          0.000408
05349> UrbanSquare-Infiltrate            0.5        0.000408
05350> UrbanSquare-Infiltrate              1          0.000408
05351>
05352> BGPark-LID-Curve Storage            0          448
05353> BGPark-LID-Curve                    0.5        448
05354> BGPark-LID-Curve                    0.501      0.1
05355> BGPark-LID-Curve                      4          0.1
05356>
05357> ;Based on 601_StageStorage_Mar1418.xlsx
05358> ;Provided by DSEL March 15 2018
05359> BG-SWM_POND Storage                0          8731.1
05360> BG-SWM_POND                        0.05       8756.6
05361> BG-SWM_POND                        0.1        9031.5
05362> BG-SWM_POND                        0.15       9270.8
05363> BG-SWM_POND                        0.2        9503.1
05364> BG-SWM_POND                        0.25       9795.4
05365> BG-SWM_POND                        0.3        9801.9
05366> BG-SWM_POND                        0.35       9882.7
05367> BG-SWM_POND                        0.4        10173.7
05368> BG-SWM_POND                        0.45       10386.8
05369> BG-SWM_POND                        0.5        10576.2
05370> BG-SWM_POND                        0.55       10734.0
05371> BG-SWM_POND                        0.6        10898.5
05372> BG-SWM_POND                        0.65       11071.5
05373> BG-SWM_POND                        0.7        11254.9
05374> BG-SWM_POND                        0.75       11512.3
05375> BG-SWM_POND                        0.8        11554.0
05376> BG-SWM_POND                        0.85       11563.3
05377> BG-SWM_POND                        0.9        11698.0
05378> BG-SWM_POND                        0.95       11780.7
05379> BG-SWM_POND                        1          11862.9
05380> BG-SWM_POND                        1.05       11936.6
05381> BG-SWM_POND                        1.1        12009.6
05382> BG-SWM_POND                        1.15       12081.4
05383> BG-SWM_POND                        1.2        12157.3
05384> BG-SWM_POND                        1.25       12229.8
05385> BG-SWM_POND                        1.3        12304.7
05386> BG-SWM_POND                        1.35       12377.5
05387> BG-SWM_POND                        1.4        12454.3
05388> BG-SWM_POND                        1.45       12527.7
05389> BG-SWM_POND                        1.5        12601.7
05390> BG-SWM_POND                        1.55       12679.3
05391> BG-SWM_POND                        1.6        12750.6
05392> BG-SWM_POND                        1.65       12825.7
05393> BG-SWM_POND                        1.7        12901.6
05394> BG-SWM_POND                        1.75       12973.7
05395> BG-SWM_POND                        1.8        13051.6
05396> BG-SWM_POND                        1.85       13124.1
05397> BG-SWM_POND                        1.9        13200.5
05398> BG-SWM_POND                        1.95       13275.0
05399> BG-SWM_POND                        2          13349.7
05400> BG-SWM_POND                        2.05       13424.5
05401> BG-SWM_POND                        2.1        13502.3
05402> BG-SWM_POND                        2.15       13574.3
05403> BG-SWM_POND                        2.2        13649.7
05404> BG-SWM_POND                        2.25       13726.8
05405> BG-SWM_POND                        2.3        13801.3
05406> BG-SWM_POND                        2.35       13879.2
05407> BG-SWM_POND                        2.4        13952.7
05408> BG-SWM_POND                        2.45       14030.7
05409> BG-SWM_POND                        2.5        14107.1
05410> BG-SWM_POND                        2.55       14183.9
05411> BG-SWM_POND                        2.6        14260.6
05412> BG-SWM_POND                        2.65       14340.6
05413> BG-SWM_POND                        2.7        14419.2
05414> BG-SWM_POND                        2.75       14497.9
05415> BG-SWM_POND                        2.8        14577.5
05416> BG-SWM_POND                        2.85       14659.1
05417> BG-SWM_POND                        2.9        14739.9
05418> BG-SWM_POND                        2.95       14821.2
05419> BG-SWM_POND                        3          14902.7
05420> BG-SWM_POND                        3.05       14982.8
05421> BG-SWM_POND                        3.1        15064.5
05422> BG-SWM_POND                        3.15       15148.0
05423> BG-SWM_POND                        3.2        15232.7
05424> BG-SWM_POND                        3.25       15314.7
05425> BG-SWM_POND                        3.3        15398.2
05426> BG-SWM_POND                        3.35       15495.5
05427> BG-SWM_POND                        3.4        15570.9
05428> BG-SWM_POND                        3.45       15707.4
05429> BG-SWM_POND                        3.5        15768.1

```


| | | | |
|--------|---|-------|---------|
| 05430> | BG-SWM_POND | 3.55 | 17257.1 |
| 05431> | BG-SWM_POND | 3.6 | 17313.4 |
| 05432> | BG-SWM_POND | 3.65 | 17560.6 |
| 05433> | BG-SWM_POND | 3.7 | 17714.1 |
| 05434> | BG-SWM_POND | 3.75 | 17941.2 |
| 05435> | BG-SWM_POND | 3.8 | 18112.6 |
| 05436> | BG-SWM_POND | 3.85 | 18286.3 |
| 05437> | BG-SWM_POND | 3.9 | 18432.4 |
| 05438> | BG-SWM_POND | 3.95 | 18617.6 |
| 05439> | BG-SWM_POND | 4 | 18718.3 |
| 05440> | BG-SWM_POND | 4.05 | 18950.9 |
| 05441> | BG-SWM_POND | 4.1 | 18952.6 |
| 05442> | BG-SWM_POND | 4.15 | 18976.7 |
| 05443> | BG-SWM_POND | 4.2 | 18976.7 |
| 05444> | BG-SWM_POND | 4.25 | 18976.7 |
| 05445> | BG-SWM_POND | 4.3 | 18976.7 |
| 05446> | | | |
| 05447> | ;BioSwale with void ratio 0.35 applied on 11.56m ² bottom and 47.35m ² top taken from CAD | | |
| 05448> | BioSwaleEast-Curve Storage | 0 | 4.046 |
| 05449> | BioSwaleEast-Curve | 0.4 | 16.5725 |
| 05450> | BioSwaleEast-Curve | 0.41 | 0.1 |
| 05451> | BioSwaleEast-Curve | 1 | 0.1 |
| 05452> | | | |
| 05453> | ;BioSwale with void ratio 0.35 applied on 11.84m ² bottom and 49.54m ² top taken from CAD | | |
| 05454> | BioSwaleWest-Curve Storage | 0 | 4.144 |
| 05455> | BioSwaleWest-Curve | 0.4 | 17.339 |
| 05456> | BioSwaleWest-Curve | 0.401 | 0.1 |
| 05457> | BioSwaleWest-Curve | 1 | 0.1 |
| 05458> | | | |
| 05459> | ;underground infiltration trench storage with void ratio 0.35 applied on 330 m2 taken from CAD | | |
| 05460> | BronteRoad-LID-Curve Storage | 0 | 115.5 |
| 05461> | BronteRoad-LID-Curve | 0.4 | 115.5 |
| 05462> | BronteRoad-LID-Curve | 0.401 | 0.1 |
| 05463> | BronteRoad-LID-Curve | 2 | 0.1 |
| 05464> | | | |
| 05465> | ;underground infiltration trench storage with void ratio 0.35 applied on 114 m2 taken from CAD | | |
| 05466> | Trail-LID-10East Storage | 0 | 39.9 |
| 05467> | Trail-LID-10East | 0.5 | 39.9 |
| 05468> | Trail-LID-10East | 0.51 | 0.01 |
| 05469> | Trail-LID-10East | 2.5 | 0.01 |
| 05470> | | | |
| 05471> | ;underground infiltration trench storage with void ratio 0.35 applied on 157.5 m2 taken from CAD | | |
| 05472> | Trail-LID-10West Storage | 0 | 55.13 |
| 05473> | Trail-LID-10West | 0.5 | 55.13 |
| 05474> | Trail-LID-10West | 0.51 | 0.01 |
| 05475> | Trail-LID-10West | 2.5 | 0.01 |
| 05476> | | | |
| 05477> | ;underground infiltration trench storage with void ratio 0.35 applied on 277 m2 taken from CAD | | |
| 05478> | Trail-LID-1-Curve Storage | 0 | 96.95 |
| 05479> | Trail-LID-1-Curve | 0.5 | 96.95 |
| 05480> | Trail-LID-1-Curve | 0.51 | 0.01 |
| 05481> | Trail-LID-1-Curve | 2.5 | 0.01 |
| 05482> | | | |
| 05483> | ;underground infiltration trench storage with void ratio 0.35 applied on 148 m2 taken from CAD | | |
| 05484> | Trail-LID-2-Curve Storage | 0 | 51.8 |
| 05485> | Trail-LID-2-Curve | 0.5 | 51.8 |
| 05486> | Trail-LID-2-Curve | 0.51 | 0.01 |
| 05487> | Trail-LID-2-Curve | 2.5 | 0.01 |
| 05488> | | | |
| 05489> | ;underground infiltration trench storage with void ratio 0.35 applied on 50 m2 taken from CAD | | |
| 05490> | Trail-LID-3-Curve Storage | 0 | 17.5 |
| 05491> | Trail-LID-3-Curve | 0.5 | 17.5 |
| 05492> | Trail-LID-3-Curve | 0.51 | 0.01 |
| 05493> | Trail-LID-3-Curve | 2.5 | 0.01 |
| 05494> | | | |
| 05495> | ;underground infiltration trench storage with void ratio 0.35 applied on 112.25 m2 taken from CAD | | |
| 05496> | Trail-LID-4-East-Curve Storage | 0 | 39.375 |
| 05497> | Trail-LID-4-East-Curve | 0.5 | 39.375 |
| 05498> | Trail-LID-4-East-Curve | 0.51 | 0.01 |
| 05499> | Trail-LID-4-East-Curve | 2.5 | 0.01 |
| 05500> | | | |
| 05501> | ;underground infiltration trench storage with void ratio 0.35 applied on 116.25 m2 taken from CAD | | |
| 05502> | Trail-LID-4-West-Curve Storage | 0 | 40.6875 |
| 05503> | Trail-LID-4-West-Curve | 0.5 | 40.6875 |
| 05504> | Trail-LID-4-West-Curve | 0.51 | 0.01 |
| 05505> | Trail-LID-4-West-Curve | 2.5 | 0.01 |
| 05506> | | | |
| 05507> | ;underground infiltration trench storage with void ratio 0.35 applied on 107 m2 taken from CAD | | |
| 05508> | Trail-LID-5-Curve Storage | 0 | 37.45 |
| 05509> | Trail-LID-5-Curve | 0.5 | 37.45 |
| 05510> | Trail-LID-5-Curve | 0.51 | 0.01 |
| 05511> | Trail-LID-5-Curve | 2.5 | 0.01 |
| 05512> | | | |
| 05513> | ;underground infiltration trench storage with void ratio 0.35 applied on 258 m2 taken from CAD | | |
| 05514> | Trail-LID-6-Curve Storage | 0 | 90.3 |
| 05515> | Trail-LID-6-Curve | 0.5 | 90.3 |
| 05516> | Trail-LID-6-Curve | 0.51 | 0.01 |
| 05517> | Trail-LID-6-Curve | 2.5 | 0.01 |
| 05518> | | | |

```

05519> ;underground infiltration trench storage with void ratio 0.35 applied on 80.3 m2 taken from CAD
05520> Trail-LID-7-Curve Storage      0      28.09
05521> Trail-LID-7-Curve                0.5     28.09
05522> Trail-LID-7-Curve                0.51    0.01
05523> Trail-LID-7-Curve                2.5     0.01
05524>
05525> ;underground infiltration trench storage with void ratio 0.35 applied on 68 m2 taken from CAD
05526> Trail-LID-8-Curve Storage      0      23.8
05527> Trail-LID-8-Curve                0.5     23.8
05528> Trail-LID-8-Curve                0.51    0.01
05529> Trail-LID-8-Curve                2.5     0.01
05530>
05531> ;underground infiltration trench storage with void ratio 0.35 applied on 32 m2 taken from CAD
05532> Trail-LID-9-Curve Storage      0      11.29
05533> Trail-LID-9-Curve                0.5     11.29
05534> Trail-LID-9-Curve                0.51    0.01
05535> Trail-LID-9-Curve                2.5     0.01
05536>
05537> ;underground infiltration trench storage with void ratio 0.35 applied on 245 m2 taken from CAD
05538> UrbanSquare-LID-Curve Storage  0      85.75
05539> UrbanSquare-LID-Curve          0.5     85.75
05540> UrbanSquare-LID-Curve          0.501   0.1
05541> UrbanSquare-LID-Curve          2       0.1
05542>
05543> [TIMESERIES]
05544> ;;Name          Date          Time          Value
05545> ;;-----
05546> ;Rainfall (mm/hr)
05547> 002yrChicago24hr 01/01/2016 00:00:00 0
05548> 002yrChicago24hr 01/01/2016 00:10:00 0.4
05549> 002yrChicago24hr 01/01/2016 00:20:00 0.41
05550> 002yrChicago24hr 01/01/2016 00:30:00 0.41
05551> 002yrChicago24hr 01/01/2016 00:40:00 0.42
05552> 002yrChicago24hr 01/01/2016 00:50:00 0.43
05553> 002yrChicago24hr 01/01/2016 01:00:00 0.44
05554> 002yrChicago24hr 01/01/2016 01:10:00 0.45
05555> 002yrChicago24hr 01/01/2016 01:20:00 0.46
05556> 002yrChicago24hr 01/01/2016 01:30:00 0.47
05557> 002yrChicago24hr 01/01/2016 01:40:00 0.48
05558> 002yrChicago24hr 01/01/2016 01:50:00 0.49
05559> 002yrChicago24hr 01/01/2016 02:00:00 0.5
05560> 002yrChicago24hr 01/01/2016 02:10:00 0.51
05561> 002yrChicago24hr 01/01/2016 02:20:00 0.52
05562> 002yrChicago24hr 01/01/2016 02:30:00 0.54
05563> 002yrChicago24hr 01/01/2016 02:40:00 0.55
05564> 002yrChicago24hr 01/01/2016 02:50:00 0.56
05565> 002yrChicago24hr 01/01/2016 03:00:00 0.58
05566> 002yrChicago24hr 01/01/2016 03:10:00 0.6
05567> 002yrChicago24hr 01/01/2016 03:20:00 0.61
05568> 002yrChicago24hr 01/01/2016 03:30:00 0.63
05569> 002yrChicago24hr 01/01/2016 03:40:00 0.65
05570> 002yrChicago24hr 01/01/2016 03:50:00 0.67
05571> 002yrChicago24hr 01/01/2016 04:00:00 0.7
05572> 002yrChicago24hr 01/01/2016 04:10:00 0.72
05573> 002yrChicago24hr 01/01/2016 04:20:00 0.75
05574> 002yrChicago24hr 01/01/2016 04:30:00 0.78
05575> 002yrChicago24hr 01/01/2016 04:40:00 0.81
05576> 002yrChicago24hr 01/01/2016 04:50:00 0.85
05577> 002yrChicago24hr 01/01/2016 05:00:00 0.89
05578> 002yrChicago24hr 01/01/2016 05:10:00 0.93
05579> 002yrChicago24hr 01/01/2016 05:20:00 0.98
05580> 002yrChicago24hr 01/01/2016 05:30:00 1.04
05581> 002yrChicago24hr 01/01/2016 05:40:00 1.1
05582> 002yrChicago24hr 01/01/2016 05:50:00 1.17
05583> 002yrChicago24hr 01/01/2016 06:00:00 1.26
05584> 002yrChicago24hr 01/01/2016 06:10:00 1.35
05585> 002yrChicago24hr 01/01/2016 06:20:00 1.47
05586> 002yrChicago24hr 01/01/2016 06:30:00 1.61
05587> 002yrChicago24hr 01/01/2016 06:40:00 1.79
05588> 002yrChicago24hr 01/01/2016 06:50:00 2.02
05589> 002yrChicago24hr 01/01/2016 07:00:00 2.32
05590> 002yrChicago24hr 01/01/2016 07:10:00 2.74
05591> 002yrChicago24hr 01/01/2016 07:20:00 3.39
05592> 002yrChicago24hr 01/01/2016 07:30:00 4.51
05593> 002yrChicago24hr 01/01/2016 07:40:00 6.95
05594> 002yrChicago24hr 01/01/2016 07:50:00 17.3
05595> 002yrChicago24hr 01/01/2016 08:00:00 82.18
05596> 002yrChicago24hr 01/01/2016 08:10:00 23.06
05597> 002yrChicago24hr 01/01/2016 08:20:00 11.78
05598> 002yrChicago24hr 01/01/2016 08:30:00 7.99
05599> 002yrChicago24hr 01/01/2016 08:40:00 6.09
05600> 002yrChicago24hr 01/01/2016 08:50:00 4.95
05601> 002yrChicago24hr 01/01/2016 09:00:00 4.19
05602> 002yrChicago24hr 01/01/2016 09:10:00 3.64
05603> 002yrChicago24hr 01/01/2016 09:20:00 3.23
05604> 002yrChicago24hr 01/01/2016 09:30:00 2.91
05605> 002yrChicago24hr 01/01/2016 09:40:00 2.65
05606> 002yrChicago24hr 01/01/2016 09:50:00 2.44
05607> 002yrChicago24hr 01/01/2016 10:00:00 2.26

```

| | | | | |
|--------|-------------------|------------|----------|------|
| 05608> | 002yrChicago24hr | 01/01/2016 | 10:10:00 | 2.11 |
| 05609> | 002yrChicago24hr | 01/01/2016 | 10:20:00 | 1.98 |
| 05610> | 002yrChicago24hr | 01/01/2016 | 10:30:00 | 1.86 |
| 05611> | 002yrChicago24hr | 01/01/2016 | 10:40:00 | 1.76 |
| 05612> | 002yrChicago24hr | 01/01/2016 | 10:50:00 | 1.67 |
| 05613> | 002yrChicago24hr | 01/01/2016 | 11:00:00 | 1.59 |
| 05614> | 002yrChicago24hr | 01/01/2016 | 11:10:00 | 1.52 |
| 05615> | 002yrChicago24hr | 01/01/2016 | 11:20:00 | 1.46 |
| 05616> | 002yrChicago24hr | 01/01/2016 | 11:30:00 | 1.4 |
| 05617> | 002yrChicago24hr | 01/01/2016 | 11:40:00 | 1.34 |
| 05618> | 002yrChicago24hr | 01/01/2016 | 11:50:00 | 1.29 |
| 05619> | 002yrChicago24hr | 01/01/2016 | 12:00:00 | 1.25 |
| 05620> | 002yrChicago24hr | 01/01/2016 | 12:10:00 | 1.21 |
| 05621> | 002yrChicago24hr | 01/01/2016 | 12:20:00 | 1.17 |
| 05622> | 002yrChicago24hr | 01/01/2016 | 12:30:00 | 1.13 |
| 05623> | 002yrChicago24hr | 01/01/2016 | 12:40:00 | 1.1 |
| 05624> | 002yrChicago24hr | 01/01/2016 | 12:50:00 | 1.06 |
| 05625> | 002yrChicago24hr | 01/01/2016 | 13:00:00 | 1.03 |
| 05626> | 002yrChicago24hr | 01/01/2016 | 13:10:00 | 1.01 |
| 05627> | 002yrChicago24hr | 01/01/2016 | 13:20:00 | 0.98 |
| 05628> | 002yrChicago24hr | 01/01/2016 | 13:30:00 | 0.96 |
| 05629> | 002yrChicago24hr | 01/01/2016 | 13:40:00 | 0.93 |
| 05630> | 002yrChicago24hr | 01/01/2016 | 13:50:00 | 0.91 |
| 05631> | 002yrChicago24hr | 01/01/2016 | 14:00:00 | 0.89 |
| 05632> | 002yrChicago24hr | 01/01/2016 | 14:10:00 | 0.87 |
| 05633> | 002yrChicago24hr | 01/01/2016 | 14:20:00 | 0.85 |
| 05634> | 002yrChicago24hr | 01/01/2016 | 14:30:00 | 0.83 |
| 05635> | 002yrChicago24hr | 01/01/2016 | 14:40:00 | 0.81 |
| 05636> | 002yrChicago24hr | 01/01/2016 | 14:50:00 | 0.8 |
| 05637> | 002yrChicago24hr | 01/01/2016 | 15:00:00 | 0.78 |
| 05638> | 002yrChicago24hr | 01/01/2016 | 15:10:00 | 0.77 |
| 05639> | 002yrChicago24hr | 01/01/2016 | 15:20:00 | 0.75 |
| 05640> | 002yrChicago24hr | 01/01/2016 | 15:30:00 | 0.74 |
| 05641> | 002yrChicago24hr | 01/01/2016 | 15:40:00 | 0.73 |
| 05642> | 002yrChicago24hr | 01/01/2016 | 15:50:00 | 0.71 |
| 05643> | 002yrChicago24hr | 01/01/2016 | 16:00:00 | 0.7 |
| 05644> | 002yrChicago24hr | 01/01/2016 | 16:10:00 | 0.69 |
| 05645> | 002yrChicago24hr | 01/01/2016 | 16:20:00 | 0.68 |
| 05646> | 002yrChicago24hr | 01/01/2016 | 16:30:00 | 0.67 |
| 05647> | 002yrChicago24hr | 01/01/2016 | 16:40:00 | 0.66 |
| 05648> | 002yrChicago24hr | 01/01/2016 | 16:50:00 | 0.64 |
| 05649> | 002yrChicago24hr | 01/01/2016 | 17:00:00 | 0.64 |
| 05650> | 002yrChicago24hr | 01/01/2016 | 17:10:00 | 0.63 |
| 05651> | 002yrChicago24hr | 01/01/2016 | 17:20:00 | 0.62 |
| 05652> | 002yrChicago24hr | 01/01/2016 | 17:30:00 | 0.61 |
| 05653> | 002yrChicago24hr | 01/01/2016 | 17:40:00 | 0.6 |
| 05654> | 002yrChicago24hr | 01/01/2016 | 17:50:00 | 0.59 |
| 05655> | 002yrChicago24hr | 01/01/2016 | 18:00:00 | 0.58 |
| 05656> | 002yrChicago24hr | 01/01/2016 | 18:10:00 | 0.57 |
| 05657> | 002yrChicago24hr | 01/01/2016 | 18:20:00 | 0.57 |
| 05658> | 002yrChicago24hr | 01/01/2016 | 18:30:00 | 0.56 |
| 05659> | 002yrChicago24hr | 01/01/2016 | 18:40:00 | 0.55 |
| 05660> | 002yrChicago24hr | 01/01/2016 | 18:50:00 | 0.55 |
| 05661> | 002yrChicago24hr | 01/01/2016 | 19:00:00 | 0.54 |
| 05662> | 002yrChicago24hr | 01/01/2016 | 19:10:00 | 0.53 |
| 05663> | 002yrChicago24hr | 01/01/2016 | 19:20:00 | 0.53 |
| 05664> | 002yrChicago24hr | 01/01/2016 | 19:30:00 | 0.52 |
| 05665> | 002yrChicago24hr | 01/01/2016 | 19:40:00 | 0.51 |
| 05666> | 002yrChicago24hr | 01/01/2016 | 19:50:00 | 0.51 |
| 05667> | 002yrChicago24hr | 01/01/2016 | 20:00:00 | 0.5 |
| 05668> | 002yrChicago24hr | 01/01/2016 | 20:10:00 | 0.5 |
| 05669> | 002yrChicago24hr | 01/01/2016 | 20:20:00 | 0.49 |
| 05670> | 002yrChicago24hr | 01/01/2016 | 20:30:00 | 0.48 |
| 05671> | 002yrChicago24hr | 01/01/2016 | 20:40:00 | 0.48 |
| 05672> | 002yrChicago24hr | 01/01/2016 | 20:50:00 | 0.47 |
| 05673> | 002yrChicago24hr | 01/01/2016 | 21:00:00 | 0.47 |
| 05674> | 002yrChicago24hr | 01/01/2016 | 21:10:00 | 0.46 |
| 05675> | 002yrChicago24hr | 01/01/2016 | 21:20:00 | 0.46 |
| 05676> | 002yrChicago24hr | 01/01/2016 | 21:30:00 | 0.46 |
| 05677> | 002yrChicago24hr | 01/01/2016 | 21:40:00 | 0.45 |
| 05678> | 002yrChicago24hr | 01/01/2016 | 21:50:00 | 0.45 |
| 05679> | 002yrChicago24hr | 01/01/2016 | 22:00:00 | 0.44 |
| 05680> | 002yrChicago24hr | 01/01/2016 | 22:10:00 | 0.44 |
| 05681> | 002yrChicago24hr | 01/01/2016 | 22:20:00 | 0.43 |
| 05682> | 002yrChicago24hr | 01/01/2016 | 22:30:00 | 0.43 |
| 05683> | 002yrChicago24hr | 01/01/2016 | 22:40:00 | 0.43 |
| 05684> | 002yrChicago24hr | 01/01/2016 | 22:50:00 | 0.42 |
| 05685> | 002yrChicago24hr | 01/01/2016 | 23:00:00 | 0.42 |
| 05686> | 002yrChicago24hr | 01/01/2016 | 23:10:00 | 0.41 |
| 05687> | 002yrChicago24hr | 01/01/2016 | 23:20:00 | 0.41 |
| 05688> | 002yrChicago24hr | 01/01/2016 | 23:30:00 | 0.41 |
| 05689> | 002yrChicago24hr | 01/01/2016 | 23:40:00 | 0.4 |
| 05690> | 002yrChicago24hr | 01/01/2016 | 23:50:00 | 0.4 |
| 05691> | 002yrChicago24hr | 01/02/2016 | 00:00:00 | 0.4 |
| 05692> | | | | |
| 05693> | ;Rainfall (mm/hr) | | | |
| 05694> | 005yrChicago24hr | 01/01/2016 | 00:00:00 | 0 |
| 05695> | 005yrChicago24hr | 01/01/2016 | 00:10:00 | 0.41 |
| 05696> | 005yrChicago24hr | 01/01/2016 | 00:20:00 | 0.42 |

| | | | | |
|--------|------------------|------------|----------|--------|
| 05697> | 005yrChicago24hr | 01/01/2016 | 00:30:00 | 0.43 |
| 05698> | 005yrChicago24hr | 01/01/2016 | 00:40:00 | 0.44 |
| 05699> | 005yrChicago24hr | 01/01/2016 | 00:50:00 | 0.44 |
| 05700> | 005yrChicago24hr | 01/01/2016 | 01:00:00 | 0.45 |
| 05701> | 005yrChicago24hr | 01/01/2016 | 01:10:00 | 0.46 |
| 05702> | 005yrChicago24hr | 01/01/2016 | 01:20:00 | 0.47 |
| 05703> | 005yrChicago24hr | 01/01/2016 | 01:30:00 | 0.48 |
| 05704> | 005yrChicago24hr | 01/01/2016 | 01:40:00 | 0.5 |
| 05705> | 005yrChicago24hr | 01/01/2016 | 01:50:00 | 0.51 |
| 05706> | 005yrChicago24hr | 01/01/2016 | 02:00:00 | 0.52 |
| 05707> | 005yrChicago24hr | 01/01/2016 | 02:10:00 | 0.53 |
| 05708> | 005yrChicago24hr | 01/01/2016 | 02:20:00 | 0.55 |
| 05709> | 005yrChicago24hr | 01/01/2016 | 02:30:00 | 0.56 |
| 05710> | 005yrChicago24hr | 01/01/2016 | 02:40:00 | 0.58 |
| 05711> | 005yrChicago24hr | 01/01/2016 | 02:50:00 | 0.59 |
| 05712> | 005yrChicago24hr | 01/01/2016 | 03:00:00 | 0.61 |
| 05713> | 005yrChicago24hr | 01/01/2016 | 03:10:00 | 0.63 |
| 05714> | 005yrChicago24hr | 01/01/2016 | 03:20:00 | 0.65 |
| 05715> | 005yrChicago24hr | 01/01/2016 | 03:30:00 | 0.67 |
| 05716> | 005yrChicago24hr | 01/01/2016 | 03:40:00 | 0.69 |
| 05717> | 005yrChicago24hr | 01/01/2016 | 03:50:00 | 0.71 |
| 05718> | 005yrChicago24hr | 01/01/2016 | 04:00:00 | 0.74 |
| 05719> | 005yrChicago24hr | 01/01/2016 | 04:10:00 | 0.77 |
| 05720> | 005yrChicago24hr | 01/01/2016 | 04:20:00 | 0.8 |
| 05721> | 005yrChicago24hr | 01/01/2016 | 04:30:00 | 0.83 |
| 05722> | 005yrChicago24hr | 01/01/2016 | 04:40:00 | 0.87 |
| 05723> | 005yrChicago24hr | 01/01/2016 | 04:50:00 | 0.91 |
| 05724> | 005yrChicago24hr | 01/01/2016 | 05:00:00 | 0.96 |
| 05725> | 005yrChicago24hr | 01/01/2016 | 05:10:00 | 1.01 |
| 05726> | 005yrChicago24hr | 01/01/2016 | 05:20:00 | 1.06 |
| 05727> | 005yrChicago24hr | 01/01/2016 | 05:30:00 | 1.13 |
| 05728> | 005yrChicago24hr | 01/01/2016 | 05:40:00 | 1.2 |
| 05729> | 005yrChicago24hr | 01/01/2016 | 05:50:00 | 1.28 |
| 05730> | 005yrChicago24hr | 01/01/2016 | 06:00:00 | 1.38 |
| 05731> | 005yrChicago24hr | 01/01/2016 | 06:10:00 | 1.5 |
| 05732> | 005yrChicago24hr | 01/01/2016 | 06:20:00 | 1.64 |
| 05733> | 005yrChicago24hr | 01/01/2016 | 06:30:00 | 1.81 |
| 05734> | 005yrChicago24hr | 01/01/2016 | 06:40:00 | 2.02 |
| 05735> | 005yrChicago24hr | 01/01/2016 | 06:50:00 | 2.3 |
| 05736> | 005yrChicago24hr | 01/01/2016 | 07:00:00 | 2.68 |
| 05737> | 005yrChicago24hr | 01/01/2016 | 07:10:00 | 3.21 |
| 05738> | 005yrChicago24hr | 01/01/2016 | 07:20:00 | 4.05 |
| 05739> | 005yrChicago24hr | 01/01/2016 | 07:30:00 | 5.53 |
| 05740> | 005yrChicago24hr | 01/01/2016 | 07:40:00 | 8.89 |
| 05741> | 005yrChicago24hr | 01/01/2016 | 07:50:00 | 23.9 |
| 05742> | 005yrChicago24hr | 01/01/2016 | 08:00:00 | 114.21 |
| 05743> | 005yrChicago24hr | 01/01/2016 | 08:10:00 | 32.36 |
| 05744> | 005yrChicago24hr | 01/01/2016 | 08:20:00 | 15.8 |
| 05745> | 005yrChicago24hr | 01/01/2016 | 08:30:00 | 10.34 |
| 05746> | 005yrChicago24hr | 01/01/2016 | 08:40:00 | 7.68 |
| 05747> | 005yrChicago24hr | 01/01/2016 | 08:50:00 | 6.11 |
| 05748> | 005yrChicago24hr | 01/01/2016 | 09:00:00 | 5.09 |
| 05749> | 005yrChicago24hr | 01/01/2016 | 09:10:00 | 4.37 |
| 05750> | 005yrChicago24hr | 01/01/2016 | 09:20:00 | 3.83 |
| 05751> | 005yrChicago24hr | 01/01/2016 | 09:30:00 | 3.42 |
| 05752> | 005yrChicago24hr | 01/01/2016 | 09:40:00 | 3.09 |
| 05753> | 005yrChicago24hr | 01/01/2016 | 09:50:00 | 2.82 |
| 05754> | 005yrChicago24hr | 01/01/2016 | 10:00:00 | 2.6 |
| 05755> | 005yrChicago24hr | 01/01/2016 | 10:10:00 | 2.41 |
| 05756> | 005yrChicago24hr | 01/01/2016 | 10:20:00 | 2.25 |
| 05757> | 005yrChicago24hr | 01/01/2016 | 10:30:00 | 2.11 |
| 05758> | 005yrChicago24hr | 01/01/2016 | 10:40:00 | 1.99 |
| 05759> | 005yrChicago24hr | 01/01/2016 | 10:50:00 | 1.88 |
| 05760> | 005yrChicago24hr | 01/01/2016 | 11:00:00 | 1.78 |
| 05761> | 005yrChicago24hr | 01/01/2016 | 11:10:00 | 1.7 |
| 05762> | 005yrChicago24hr | 01/01/2016 | 11:20:00 | 1.62 |
| 05763> | 005yrChicago24hr | 01/01/2016 | 11:30:00 | 1.55 |
| 05764> | 005yrChicago24hr | 01/01/2016 | 11:40:00 | 1.49 |
| 05765> | 005yrChicago24hr | 01/01/2016 | 11:50:00 | 1.43 |
| 05766> | 005yrChicago24hr | 01/01/2016 | 12:00:00 | 1.37 |
| 05767> | 005yrChicago24hr | 01/01/2016 | 12:10:00 | 1.32 |
| 05768> | 005yrChicago24hr | 01/01/2016 | 12:20:00 | 1.28 |
| 05769> | 005yrChicago24hr | 01/01/2016 | 12:30:00 | 1.24 |
| 05770> | 005yrChicago24hr | 01/01/2016 | 12:40:00 | 1.2 |
| 05771> | 005yrChicago24hr | 01/01/2016 | 12:50:00 | 1.16 |
| 05772> | 005yrChicago24hr | 01/01/2016 | 13:00:00 | 1.13 |
| 05773> | 005yrChicago24hr | 01/01/2016 | 13:10:00 | 1.09 |
| 05774> | 005yrChicago24hr | 01/01/2016 | 13:20:00 | 1.06 |
| 05775> | 005yrChicago24hr | 01/01/2016 | 13:30:00 | 1.03 |
| 05776> | 005yrChicago24hr | 01/01/2016 | 13:40:00 | 1.01 |
| 05777> | 005yrChicago24hr | 01/01/2016 | 13:50:00 | 0.98 |
| 05778> | 005yrChicago24hr | 01/01/2016 | 14:00:00 | 0.96 |
| 05779> | 005yrChicago24hr | 01/01/2016 | 14:10:00 | 0.93 |
| 05780> | 005yrChicago24hr | 01/01/2016 | 14:20:00 | 0.91 |
| 05781> | 005yrChicago24hr | 01/01/2016 | 14:30:00 | 0.89 |
| 05782> | 005yrChicago24hr | 01/01/2016 | 14:40:00 | 0.87 |
| 05783> | 005yrChicago24hr | 01/01/2016 | 14:50:00 | 0.85 |
| 05784> | 005yrChicago24hr | 01/01/2016 | 15:00:00 | 0.84 |
| 05785> | 005yrChicago24hr | 01/01/2016 | 15:10:00 | 0.82 |

| | | | | |
|--------|-------------------|------------|----------|------|
| 05786> | 005yrChicago24hr | 01/01/2016 | 15:20:00 | 0.8 |
| 05787> | 005yrChicago24hr | 01/01/2016 | 15:30:00 | 0.79 |
| 05788> | 005yrChicago24hr | 01/01/2016 | 15:40:00 | 0.77 |
| 05789> | 005yrChicago24hr | 01/01/2016 | 15:50:00 | 0.76 |
| 05790> | 005yrChicago24hr | 01/01/2016 | 16:00:00 | 0.74 |
| 05791> | 005yrChicago24hr | 01/01/2016 | 16:10:00 | 0.73 |
| 05792> | 005yrChicago24hr | 01/01/2016 | 16:20:00 | 0.72 |
| 05793> | 005yrChicago24hr | 01/01/2016 | 16:30:00 | 0.71 |
| 05794> | 005yrChicago24hr | 01/01/2016 | 16:40:00 | 0.69 |
| 05795> | 005yrChicago24hr | 01/01/2016 | 16:50:00 | 0.68 |
| 05796> | 005yrChicago24hr | 01/01/2016 | 17:00:00 | 0.67 |
| 05797> | 005yrChicago24hr | 01/01/2016 | 17:10:00 | 0.66 |
| 05798> | 005yrChicago24hr | 01/01/2016 | 17:20:00 | 0.65 |
| 05799> | 005yrChicago24hr | 01/01/2016 | 17:30:00 | 0.64 |
| 05800> | 005yrChicago24hr | 01/01/2016 | 17:40:00 | 0.63 |
| 05801> | 005yrChicago24hr | 01/01/2016 | 17:50:00 | 0.62 |
| 05802> | 005yrChicago24hr | 01/01/2016 | 18:00:00 | 0.61 |
| 05803> | 005yrChicago24hr | 01/01/2016 | 18:10:00 | 0.6 |
| 05804> | 005yrChicago24hr | 01/01/2016 | 18:20:00 | 0.59 |
| 05805> | 005yrChicago24hr | 01/01/2016 | 18:30:00 | 0.59 |
| 05806> | 005yrChicago24hr | 01/01/2016 | 18:40:00 | 0.58 |
| 05807> | 005yrChicago24hr | 01/01/2016 | 18:50:00 | 0.57 |
| 05808> | 005yrChicago24hr | 01/01/2016 | 19:00:00 | 0.56 |
| 05809> | 005yrChicago24hr | 01/01/2016 | 19:10:00 | 0.56 |
| 05810> | 005yrChicago24hr | 01/01/2016 | 19:20:00 | 0.55 |
| 05811> | 005yrChicago24hr | 01/01/2016 | 19:30:00 | 0.54 |
| 05812> | 005yrChicago24hr | 01/01/2016 | 19:40:00 | 0.54 |
| 05813> | 005yrChicago24hr | 01/01/2016 | 19:50:00 | 0.53 |
| 05814> | 005yrChicago24hr | 01/01/2016 | 20:00:00 | 0.52 |
| 05815> | 005yrChicago24hr | 01/01/2016 | 20:10:00 | 0.52 |
| 05816> | 005yrChicago24hr | 01/01/2016 | 20:20:00 | 0.51 |
| 05817> | 005yrChicago24hr | 01/01/2016 | 20:30:00 | 0.5 |
| 05818> | 005yrChicago24hr | 01/01/2016 | 20:40:00 | 0.5 |
| 05819> | 005yrChicago24hr | 01/01/2016 | 20:50:00 | 0.49 |
| 05820> | 005yrChicago24hr | 01/01/2016 | 21:00:00 | 0.49 |
| 05821> | 005yrChicago24hr | 01/01/2016 | 21:10:00 | 0.48 |
| 05822> | 005yrChicago24hr | 01/01/2016 | 21:20:00 | 0.48 |
| 05823> | 005yrChicago24hr | 01/01/2016 | 21:30:00 | 0.47 |
| 05824> | 005yrChicago24hr | 01/01/2016 | 21:40:00 | 0.47 |
| 05825> | 005yrChicago24hr | 01/01/2016 | 21:50:00 | 0.46 |
| 05826> | 005yrChicago24hr | 01/01/2016 | 22:00:00 | 0.46 |
| 05827> | 005yrChicago24hr | 01/01/2016 | 22:10:00 | 0.45 |
| 05828> | 005yrChicago24hr | 01/01/2016 | 22:20:00 | 0.45 |
| 05829> | 005yrChicago24hr | 01/01/2016 | 22:30:00 | 0.44 |
| 05830> | 005yrChicago24hr | 01/01/2016 | 22:40:00 | 0.44 |
| 05831> | 005yrChicago24hr | 01/01/2016 | 22:50:00 | 0.44 |
| 05832> | 005yrChicago24hr | 01/01/2016 | 23:00:00 | 0.43 |
| 05833> | 005yrChicago24hr | 01/01/2016 | 23:10:00 | 0.43 |
| 05834> | 005yrChicago24hr | 01/01/2016 | 23:20:00 | 0.42 |
| 05835> | 005yrChicago24hr | 01/01/2016 | 23:30:00 | 0.42 |
| 05836> | 005yrChicago24hr | 01/01/2016 | 23:40:00 | 0.42 |
| 05837> | 005yrChicago24hr | 01/01/2016 | 23:50:00 | 0.41 |
| 05838> | 005yrChicago24hr | 01/02/2016 | 00:00:00 | 0.41 |
| 05839> | | | | |
| 05840> | ;Rainfall (mm/hr) | | | |
| 05841> | 010yrChicago24hr | 01/01/2016 | 00:00:00 | 0 |
| 05842> | 010yrChicago24hr | 01/01/2016 | 00:10:00 | 0.46 |
| 05843> | 010yrChicago24hr | 01/01/2016 | 00:20:00 | 0.47 |
| 05844> | 010yrChicago24hr | 01/01/2016 | 00:30:00 | 0.48 |
| 05845> | 010yrChicago24hr | 01/01/2016 | 00:40:00 | 0.49 |
| 05846> | 010yrChicago24hr | 01/01/2016 | 00:50:00 | 0.5 |
| 05847> | 010yrChicago24hr | 01/01/2016 | 01:00:00 | 0.51 |
| 05848> | 010yrChicago24hr | 01/01/2016 | 01:10:00 | 0.52 |
| 05849> | 010yrChicago24hr | 01/01/2016 | 01:20:00 | 0.53 |
| 05850> | 010yrChicago24hr | 01/01/2016 | 01:30:00 | 0.54 |
| 05851> | 010yrChicago24hr | 01/01/2016 | 01:40:00 | 0.55 |
| 05852> | 010yrChicago24hr | 01/01/2016 | 01:50:00 | 0.57 |
| 05853> | 010yrChicago24hr | 01/01/2016 | 02:00:00 | 0.58 |
| 05854> | 010yrChicago24hr | 01/01/2016 | 02:10:00 | 0.6 |
| 05855> | 010yrChicago24hr | 01/01/2016 | 02:20:00 | 0.61 |
| 05856> | 010yrChicago24hr | 01/01/2016 | 02:30:00 | 0.63 |
| 05857> | 010yrChicago24hr | 01/01/2016 | 02:40:00 | 0.64 |
| 05858> | 010yrChicago24hr | 01/01/2016 | 02:50:00 | 0.66 |
| 05859> | 010yrChicago24hr | 01/01/2016 | 03:00:00 | 0.68 |
| 05860> | 010yrChicago24hr | 01/01/2016 | 03:10:00 | 0.7 |
| 05861> | 010yrChicago24hr | 01/01/2016 | 03:20:00 | 0.73 |
| 05862> | 010yrChicago24hr | 01/01/2016 | 03:30:00 | 0.75 |
| 05863> | 010yrChicago24hr | 01/01/2016 | 03:40:00 | 0.77 |
| 05864> | 010yrChicago24hr | 01/01/2016 | 03:50:00 | 0.8 |
| 05865> | 010yrChicago24hr | 01/01/2016 | 04:00:00 | 0.83 |
| 05866> | 010yrChicago24hr | 01/01/2016 | 04:10:00 | 0.86 |
| 05867> | 010yrChicago24hr | 01/01/2016 | 04:20:00 | 0.9 |
| 05868> | 010yrChicago24hr | 01/01/2016 | 04:30:00 | 0.94 |
| 05869> | 010yrChicago24hr | 01/01/2016 | 04:40:00 | 0.98 |
| 05870> | 010yrChicago24hr | 01/01/2016 | 04:50:00 | 1.02 |
| 05871> | 010yrChicago24hr | 01/01/2016 | 05:00:00 | 1.08 |
| 05872> | 010yrChicago24hr | 01/01/2016 | 05:10:00 | 1.13 |
| 05873> | 010yrChicago24hr | 01/01/2016 | 05:20:00 | 1.2 |
| 05874> | 010yrChicago24hr | 01/01/2016 | 05:30:00 | 1.27 |

| | | | | |
|--------|------------------|------------|----------|--------|
| 05875> | 010yrChicago24hr | 01/01/2016 | 05:40:00 | 1.35 |
| 05876> | 010yrChicago24hr | 01/01/2016 | 05:50:00 | 1.45 |
| 05877> | 010yrChicago24hr | 01/01/2016 | 06:00:00 | 1.56 |
| 05878> | 010yrChicago24hr | 01/01/2016 | 06:10:00 | 1.69 |
| 05879> | 010yrChicago24hr | 01/01/2016 | 06:20:00 | 1.85 |
| 05880> | 010yrChicago24hr | 01/01/2016 | 06:30:00 | 2.04 |
| 05881> | 010yrChicago24hr | 01/01/2016 | 06:40:00 | 2.29 |
| 05882> | 010yrChicago24hr | 01/01/2016 | 06:50:00 | 2.61 |
| 05883> | 010yrChicago24hr | 01/01/2016 | 07:00:00 | 3.04 |
| 05884> | 010yrChicago24hr | 01/01/2016 | 07:10:00 | 3.65 |
| 05885> | 010yrChicago24hr | 01/01/2016 | 07:20:00 | 4.61 |
| 05886> | 010yrChicago24hr | 01/01/2016 | 07:30:00 | 6.32 |
| 05887> | 010yrChicago24hr | 01/01/2016 | 07:40:00 | 10.23 |
| 05888> | 010yrChicago24hr | 01/01/2016 | 07:50:00 | 27.82 |
| 05889> | 010yrChicago24hr | 01/01/2016 | 08:00:00 | 134.79 |
| 05890> | 010yrChicago24hr | 01/01/2016 | 08:10:00 | 37.76 |
| 05891> | 010yrChicago24hr | 01/01/2016 | 08:20:00 | 18.29 |
| 05892> | 010yrChicago24hr | 01/01/2016 | 08:30:00 | 11.91 |
| 05893> | 010yrChicago24hr | 01/01/2016 | 08:40:00 | 8.81 |
| 05894> | 010yrChicago24hr | 01/01/2016 | 08:50:00 | 7 |
| 05895> | 010yrChicago24hr | 01/01/2016 | 09:00:00 | 5.82 |
| 05896> | 010yrChicago24hr | 01/01/2016 | 09:10:00 | 4.99 |
| 05897> | 010yrChicago24hr | 01/01/2016 | 09:20:00 | 4.37 |
| 05898> | 010yrChicago24hr | 01/01/2016 | 09:30:00 | 3.89 |
| 05899> | 010yrChicago24hr | 01/01/2016 | 09:40:00 | 3.52 |
| 05900> | 010yrChicago24hr | 01/01/2016 | 09:50:00 | 3.21 |
| 05901> | 010yrChicago24hr | 01/01/2016 | 10:00:00 | 2.95 |
| 05902> | 010yrChicago24hr | 01/01/2016 | 10:10:00 | 2.74 |
| 05903> | 010yrChicago24hr | 01/01/2016 | 10:20:00 | 2.55 |
| 05904> | 010yrChicago24hr | 01/01/2016 | 10:30:00 | 2.39 |
| 05905> | 010yrChicago24hr | 01/01/2016 | 10:40:00 | 2.25 |
| 05906> | 010yrChicago24hr | 01/01/2016 | 10:50:00 | 2.13 |
| 05907> | 010yrChicago24hr | 01/01/2016 | 11:00:00 | 2.02 |
| 05908> | 010yrChicago24hr | 01/01/2016 | 11:10:00 | 1.92 |
| 05909> | 010yrChicago24hr | 01/01/2016 | 11:20:00 | 1.83 |
| 05910> | 010yrChicago24hr | 01/01/2016 | 11:30:00 | 1.75 |
| 05911> | 010yrChicago24hr | 01/01/2016 | 11:40:00 | 1.68 |
| 05912> | 010yrChicago24hr | 01/01/2016 | 11:50:00 | 1.61 |
| 05913> | 010yrChicago24hr | 01/01/2016 | 12:00:00 | 1.55 |
| 05914> | 010yrChicago24hr | 01/01/2016 | 12:10:00 | 1.49 |
| 05915> | 010yrChicago24hr | 01/01/2016 | 12:20:00 | 1.44 |
| 05916> | 010yrChicago24hr | 01/01/2016 | 12:30:00 | 1.39 |
| 05917> | 010yrChicago24hr | 01/01/2016 | 12:40:00 | 1.35 |
| 05918> | 010yrChicago24hr | 01/01/2016 | 12:50:00 | 1.31 |
| 05919> | 010yrChicago24hr | 01/01/2016 | 13:00:00 | 1.27 |
| 05920> | 010yrChicago24hr | 01/01/2016 | 13:10:00 | 1.23 |
| 05921> | 010yrChicago24hr | 01/01/2016 | 13:20:00 | 1.2 |
| 05922> | 010yrChicago24hr | 01/01/2016 | 13:30:00 | 1.16 |
| 05923> | 010yrChicago24hr | 01/01/2016 | 13:40:00 | 1.13 |
| 05924> | 010yrChicago24hr | 01/01/2016 | 13:50:00 | 1.1 |
| 05925> | 010yrChicago24hr | 01/01/2016 | 14:00:00 | 1.08 |
| 05926> | 010yrChicago24hr | 01/01/2016 | 14:10:00 | 1.05 |
| 05927> | 010yrChicago24hr | 01/01/2016 | 14:20:00 | 1.03 |
| 05928> | 010yrChicago24hr | 01/01/2016 | 14:30:00 | 1 |
| 05929> | 010yrChicago24hr | 01/01/2016 | 14:40:00 | 0.98 |
| 05930> | 010yrChicago24hr | 01/01/2016 | 14:50:00 | 0.96 |
| 05931> | 010yrChicago24hr | 01/01/2016 | 15:00:00 | 0.94 |
| 05932> | 010yrChicago24hr | 01/01/2016 | 15:10:00 | 0.92 |
| 05933> | 010yrChicago24hr | 01/01/2016 | 15:20:00 | 0.9 |
| 05934> | 010yrChicago24hr | 01/01/2016 | 15:30:00 | 0.88 |
| 05935> | 010yrChicago24hr | 01/01/2016 | 15:40:00 | 0.87 |
| 05936> | 010yrChicago24hr | 01/01/2016 | 15:50:00 | 0.85 |
| 05937> | 010yrChicago24hr | 01/01/2016 | 16:00:00 | 0.83 |
| 05938> | 010yrChicago24hr | 01/01/2016 | 16:10:00 | 0.82 |
| 05939> | 010yrChicago24hr | 01/01/2016 | 16:20:00 | 0.81 |
| 05940> | 010yrChicago24hr | 01/01/2016 | 16:30:00 | 0.79 |
| 05941> | 010yrChicago24hr | 01/01/2016 | 16:40:00 | 0.78 |
| 05942> | 010yrChicago24hr | 01/01/2016 | 16:50:00 | 0.77 |
| 05943> | 010yrChicago24hr | 01/01/2016 | 17:00:00 | 0.75 |
| 05944> | 010yrChicago24hr | 01/01/2016 | 17:10:00 | 0.74 |
| 05945> | 010yrChicago24hr | 01/01/2016 | 17:20:00 | 0.73 |
| 05946> | 010yrChicago24hr | 01/01/2016 | 17:30:00 | 0.72 |
| 05947> | 010yrChicago24hr | 01/01/2016 | 17:40:00 | 0.71 |
| 05948> | 010yrChicago24hr | 01/01/2016 | 17:50:00 | 0.7 |
| 05949> | 010yrChicago24hr | 01/01/2016 | 18:00:00 | 0.69 |
| 05950> | 010yrChicago24hr | 01/01/2016 | 18:10:00 | 0.68 |
| 05951> | 010yrChicago24hr | 01/01/2016 | 18:20:00 | 0.67 |
| 05952> | 010yrChicago24hr | 01/01/2016 | 18:30:00 | 0.66 |
| 05953> | 010yrChicago24hr | 01/01/2016 | 18:40:00 | 0.65 |
| 05954> | 010yrChicago24hr | 01/01/2016 | 18:50:00 | 0.64 |
| 05955> | 010yrChicago24hr | 01/01/2016 | 19:00:00 | 0.63 |
| 05956> | 010yrChicago24hr | 01/01/2016 | 19:10:00 | 0.62 |
| 05957> | 010yrChicago24hr | 01/01/2016 | 19:20:00 | 0.62 |
| 05958> | 010yrChicago24hr | 01/01/2016 | 19:30:00 | 0.61 |
| 05959> | 010yrChicago24hr | 01/01/2016 | 19:40:00 | 0.6 |
| 05960> | 010yrChicago24hr | 01/01/2016 | 19:50:00 | 0.59 |
| 05961> | 010yrChicago24hr | 01/01/2016 | 20:00:00 | 0.59 |
| 05962> | 010yrChicago24hr | 01/01/2016 | 20:10:00 | 0.58 |
| 05963> | 010yrChicago24hr | 01/01/2016 | 20:20:00 | 0.57 |

| | | | | |
|--------|-------------------|------------|----------|--------|
| 05964> | 010yrChicago24hr | 01/01/2016 | 20:30:00 | 0.56 |
| 05965> | 010yrChicago24hr | 01/01/2016 | 20:40:00 | 0.56 |
| 05966> | 010yrChicago24hr | 01/01/2016 | 20:50:00 | 0.55 |
| 05967> | 010yrChicago24hr | 01/01/2016 | 21:00:00 | 0.55 |
| 05968> | 010yrChicago24hr | 01/01/2016 | 21:10:00 | 0.54 |
| 05969> | 010yrChicago24hr | 01/01/2016 | 21:20:00 | 0.53 |
| 05970> | 010yrChicago24hr | 01/01/2016 | 21:30:00 | 0.53 |
| 05971> | 010yrChicago24hr | 01/01/2016 | 21:40:00 | 0.52 |
| 05972> | 010yrChicago24hr | 01/01/2016 | 21:50:00 | 0.52 |
| 05973> | 010yrChicago24hr | 01/01/2016 | 22:00:00 | 0.51 |
| 05974> | 010yrChicago24hr | 01/01/2016 | 22:10:00 | 0.51 |
| 05975> | 010yrChicago24hr | 01/01/2016 | 22:20:00 | 0.5 |
| 05976> | 010yrChicago24hr | 01/01/2016 | 22:30:00 | 0.5 |
| 05977> | 010yrChicago24hr | 01/01/2016 | 22:40:00 | 0.49 |
| 05978> | 010yrChicago24hr | 01/01/2016 | 22:50:00 | 0.49 |
| 05979> | 010yrChicago24hr | 01/01/2016 | 23:00:00 | 0.48 |
| 05980> | 010yrChicago24hr | 01/01/2016 | 23:10:00 | 0.48 |
| 05981> | 010yrChicago24hr | 01/01/2016 | 23:20:00 | 0.47 |
| 05982> | 010yrChicago24hr | 01/01/2016 | 23:30:00 | 0.47 |
| 05983> | 010yrChicago24hr | 01/01/2016 | 23:40:00 | 0.46 |
| 05984> | 010yrChicago24hr | 01/01/2016 | 23:50:00 | 0.46 |
| 05985> | 010yrChicago24hr | 01/02/2016 | 00:00:00 | 0.46 |
| 05986> | | | | |
| 05987> | ;Rainfall (mm/hr) | | | |
| 05988> | 025yrChicago24hr | 01/01/2016 | 00:00:00 | 0 |
| 05989> | 025yrChicago24hr | 01/01/2016 | 00:10:00 | 0.53 |
| 05990> | 025yrChicago24hr | 01/01/2016 | 00:20:00 | 0.54 |
| 05991> | 025yrChicago24hr | 01/01/2016 | 00:30:00 | 0.55 |
| 05992> | 025yrChicago24hr | 01/01/2016 | 00:40:00 | 0.56 |
| 05993> | 025yrChicago24hr | 01/01/2016 | 00:50:00 | 0.57 |
| 05994> | 025yrChicago24hr | 01/01/2016 | 01:00:00 | 0.58 |
| 05995> | 025yrChicago24hr | 01/01/2016 | 01:10:00 | 0.6 |
| 05996> | 025yrChicago24hr | 01/01/2016 | 01:20:00 | 0.61 |
| 05997> | 025yrChicago24hr | 01/01/2016 | 01:30:00 | 0.62 |
| 05998> | 025yrChicago24hr | 01/01/2016 | 01:40:00 | 0.64 |
| 05999> | 025yrChicago24hr | 01/01/2016 | 01:50:00 | 0.65 |
| 06000> | 025yrChicago24hr | 01/01/2016 | 02:00:00 | 0.67 |
| 06001> | 025yrChicago24hr | 01/01/2016 | 02:10:00 | 0.69 |
| 06002> | 025yrChicago24hr | 01/01/2016 | 02:20:00 | 0.7 |
| 06003> | 025yrChicago24hr | 01/01/2016 | 02:30:00 | 0.72 |
| 06004> | 025yrChicago24hr | 01/01/2016 | 02:40:00 | 0.74 |
| 06005> | 025yrChicago24hr | 01/01/2016 | 02:50:00 | 0.76 |
| 06006> | 025yrChicago24hr | 01/01/2016 | 03:00:00 | 0.79 |
| 06007> | 025yrChicago24hr | 01/01/2016 | 03:10:00 | 0.81 |
| 06008> | 025yrChicago24hr | 01/01/2016 | 03:20:00 | 0.84 |
| 06009> | 025yrChicago24hr | 01/01/2016 | 03:30:00 | 0.86 |
| 06010> | 025yrChicago24hr | 01/01/2016 | 03:40:00 | 0.89 |
| 06011> | 025yrChicago24hr | 01/01/2016 | 03:50:00 | 0.92 |
| 06012> | 025yrChicago24hr | 01/01/2016 | 04:00:00 | 0.96 |
| 06013> | 025yrChicago24hr | 01/01/2016 | 04:10:00 | 1 |
| 06014> | 025yrChicago24hr | 01/01/2016 | 04:20:00 | 1.04 |
| 06015> | 025yrChicago24hr | 01/01/2016 | 04:30:00 | 1.08 |
| 06016> | 025yrChicago24hr | 01/01/2016 | 04:40:00 | 1.13 |
| 06017> | 025yrChicago24hr | 01/01/2016 | 04:50:00 | 1.18 |
| 06018> | 025yrChicago24hr | 01/01/2016 | 05:00:00 | 1.24 |
| 06019> | 025yrChicago24hr | 01/01/2016 | 05:10:00 | 1.31 |
| 06020> | 025yrChicago24hr | 01/01/2016 | 05:20:00 | 1.38 |
| 06021> | 025yrChicago24hr | 01/01/2016 | 05:30:00 | 1.47 |
| 06022> | 025yrChicago24hr | 01/01/2016 | 05:40:00 | 1.56 |
| 06023> | 025yrChicago24hr | 01/01/2016 | 05:50:00 | 1.67 |
| 06024> | 025yrChicago24hr | 01/01/2016 | 06:00:00 | 1.8 |
| 06025> | 025yrChicago24hr | 01/01/2016 | 06:10:00 | 1.95 |
| 06026> | 025yrChicago24hr | 01/01/2016 | 06:20:00 | 2.14 |
| 06027> | 025yrChicago24hr | 01/01/2016 | 06:30:00 | 2.36 |
| 06028> | 025yrChicago24hr | 01/01/2016 | 06:40:00 | 2.65 |
| 06029> | 025yrChicago24hr | 01/01/2016 | 06:50:00 | 3.02 |
| 06030> | 025yrChicago24hr | 01/01/2016 | 07:00:00 | 3.51 |
| 06031> | 025yrChicago24hr | 01/01/2016 | 07:10:00 | 4.23 |
| 06032> | 025yrChicago24hr | 01/01/2016 | 07:20:00 | 5.35 |
| 06033> | 025yrChicago24hr | 01/01/2016 | 07:30:00 | 7.33 |
| 06034> | 025yrChicago24hr | 01/01/2016 | 07:40:00 | 11.88 |
| 06035> | 025yrChicago24hr | 01/01/2016 | 07:50:00 | 32.57 |
| 06036> | 025yrChicago24hr | 01/01/2016 | 08:00:00 | 162.17 |
| 06037> | 025yrChicago24hr | 01/01/2016 | 08:10:00 | 44.31 |
| 06038> | 025yrChicago24hr | 01/01/2016 | 08:20:00 | 21.32 |
| 06039> | 025yrChicago24hr | 01/01/2016 | 08:30:00 | 13.85 |
| 06040> | 025yrChicago24hr | 01/01/2016 | 08:40:00 | 10.24 |
| 06041> | 025yrChicago24hr | 01/01/2016 | 08:50:00 | 8.13 |
| 06042> | 025yrChicago24hr | 01/01/2016 | 09:00:00 | 6.75 |
| 06043> | 025yrChicago24hr | 01/01/2016 | 09:10:00 | 5.78 |
| 06044> | 025yrChicago24hr | 01/01/2016 | 09:20:00 | 5.06 |
| 06045> | 025yrChicago24hr | 01/01/2016 | 09:30:00 | 4.51 |
| 06046> | 025yrChicago24hr | 01/01/2016 | 09:40:00 | 4.07 |
| 06047> | 025yrChicago24hr | 01/01/2016 | 09:50:00 | 3.71 |
| 06048> | 025yrChicago24hr | 01/01/2016 | 10:00:00 | 3.42 |
| 06049> | 025yrChicago24hr | 01/01/2016 | 10:10:00 | 3.16 |
| 06050> | 025yrChicago24hr | 01/01/2016 | 10:20:00 | 2.95 |
| 06051> | 025yrChicago24hr | 01/01/2016 | 10:30:00 | 2.76 |
| 06052> | 025yrChicago24hr | 01/01/2016 | 10:40:00 | 2.6 |

| | | | | |
|--------|-------------------|------------|----------|------|
| 06053> | 025yrChicago24hr | 01/01/2016 | 10:50:00 | 2.46 |
| 06054> | 025yrChicago24hr | 01/01/2016 | 11:00:00 | 2.33 |
| 06055> | 025yrChicago24hr | 01/01/2016 | 11:10:00 | 2.22 |
| 06056> | 025yrChicago24hr | 01/01/2016 | 11:20:00 | 2.12 |
| 06057> | 025yrChicago24hr | 01/01/2016 | 11:30:00 | 2.02 |
| 06058> | 025yrChicago24hr | 01/01/2016 | 11:40:00 | 1.94 |
| 06059> | 025yrChicago24hr | 01/01/2016 | 11:50:00 | 1.86 |
| 06060> | 025yrChicago24hr | 01/01/2016 | 12:00:00 | 1.79 |
| 06061> | 025yrChicago24hr | 01/01/2016 | 12:10:00 | 1.73 |
| 06062> | 025yrChicago24hr | 01/01/2016 | 12:20:00 | 1.67 |
| 06063> | 025yrChicago24hr | 01/01/2016 | 12:30:00 | 1.61 |
| 06064> | 025yrChicago24hr | 01/01/2016 | 12:40:00 | 1.56 |
| 06065> | 025yrChicago24hr | 01/01/2016 | 12:50:00 | 1.51 |
| 06066> | 025yrChicago24hr | 01/01/2016 | 13:00:00 | 1.46 |
| 06067> | 025yrChicago24hr | 01/01/2016 | 13:10:00 | 1.42 |
| 06068> | 025yrChicago24hr | 01/01/2016 | 13:20:00 | 1.38 |
| 06069> | 025yrChicago24hr | 01/01/2016 | 13:30:00 | 1.34 |
| 06070> | 025yrChicago24hr | 01/01/2016 | 13:40:00 | 1.31 |
| 06071> | 025yrChicago24hr | 01/01/2016 | 13:50:00 | 1.27 |
| 06072> | 025yrChicago24hr | 01/01/2016 | 14:00:00 | 1.24 |
| 06073> | 025yrChicago24hr | 01/01/2016 | 14:10:00 | 1.21 |
| 06074> | 025yrChicago24hr | 01/01/2016 | 14:20:00 | 1.18 |
| 06075> | 025yrChicago24hr | 01/01/2016 | 14:30:00 | 1.16 |
| 06076> | 025yrChicago24hr | 01/01/2016 | 14:40:00 | 1.13 |
| 06077> | 025yrChicago24hr | 01/01/2016 | 14:50:00 | 1.11 |
| 06078> | 025yrChicago24hr | 01/01/2016 | 15:00:00 | 1.08 |
| 06079> | 025yrChicago24hr | 01/01/2016 | 15:10:00 | 1.06 |
| 06080> | 025yrChicago24hr | 01/01/2016 | 15:20:00 | 1.04 |
| 06081> | 025yrChicago24hr | 01/01/2016 | 15:30:00 | 1.02 |
| 06082> | 025yrChicago24hr | 01/01/2016 | 15:40:00 | 1 |
| 06083> | 025yrChicago24hr | 01/01/2016 | 15:50:00 | 0.98 |
| 06084> | 025yrChicago24hr | 01/01/2016 | 16:00:00 | 0.96 |
| 06085> | 025yrChicago24hr | 01/01/2016 | 16:10:00 | 0.95 |
| 06086> | 025yrChicago24hr | 01/01/2016 | 16:20:00 | 0.93 |
| 06087> | 025yrChicago24hr | 01/01/2016 | 16:30:00 | 0.91 |
| 06088> | 025yrChicago24hr | 01/01/2016 | 16:40:00 | 0.9 |
| 06089> | 025yrChicago24hr | 01/01/2016 | 16:50:00 | 0.88 |
| 06090> | 025yrChicago24hr | 01/01/2016 | 17:00:00 | 0.87 |
| 06091> | 025yrChicago24hr | 01/01/2016 | 17:10:00 | 0.85 |
| 06092> | 025yrChicago24hr | 01/01/2016 | 17:20:00 | 0.84 |
| 06093> | 025yrChicago24hr | 01/01/2016 | 17:30:00 | 0.83 |
| 06094> | 025yrChicago24hr | 01/01/2016 | 17:40:00 | 0.81 |
| 06095> | 025yrChicago24hr | 01/01/2016 | 17:50:00 | 0.8 |
| 06096> | 025yrChicago24hr | 01/01/2016 | 18:00:00 | 0.79 |
| 06097> | 025yrChicago24hr | 01/01/2016 | 18:10:00 | 0.78 |
| 06098> | 025yrChicago24hr | 01/01/2016 | 18:20:00 | 0.77 |
| 06099> | 025yrChicago24hr | 01/01/2016 | 18:30:00 | 0.76 |
| 06100> | 025yrChicago24hr | 01/01/2016 | 18:40:00 | 0.75 |
| 06101> | 025yrChicago24hr | 01/01/2016 | 18:50:00 | 0.74 |
| 06102> | 025yrChicago24hr | 01/01/2016 | 19:00:00 | 0.73 |
| 06103> | 025yrChicago24hr | 01/01/2016 | 19:10:00 | 0.72 |
| 06104> | 025yrChicago24hr | 01/01/2016 | 19:20:00 | 0.71 |
| 06105> | 025yrChicago24hr | 01/01/2016 | 19:30:00 | 0.7 |
| 06106> | 025yrChicago24hr | 01/01/2016 | 19:40:00 | 0.69 |
| 06107> | 025yrChicago24hr | 01/01/2016 | 19:50:00 | 0.68 |
| 06108> | 025yrChicago24hr | 01/01/2016 | 20:00:00 | 0.67 |
| 06109> | 025yrChicago24hr | 01/01/2016 | 20:10:00 | 0.67 |
| 06110> | 025yrChicago24hr | 01/01/2016 | 20:20:00 | 0.66 |
| 06111> | 025yrChicago24hr | 01/01/2016 | 20:30:00 | 0.65 |
| 06112> | 025yrChicago24hr | 01/01/2016 | 20:40:00 | 0.64 |
| 06113> | 025yrChicago24hr | 01/01/2016 | 20:50:00 | 0.64 |
| 06114> | 025yrChicago24hr | 01/01/2016 | 21:00:00 | 0.63 |
| 06115> | 025yrChicago24hr | 01/01/2016 | 21:10:00 | 0.62 |
| 06116> | 025yrChicago24hr | 01/01/2016 | 21:20:00 | 0.61 |
| 06117> | 025yrChicago24hr | 01/01/2016 | 21:30:00 | 0.61 |
| 06118> | 025yrChicago24hr | 01/01/2016 | 21:40:00 | 0.6 |
| 06119> | 025yrChicago24hr | 01/01/2016 | 21:50:00 | 0.6 |
| 06120> | 025yrChicago24hr | 01/01/2016 | 22:00:00 | 0.59 |
| 06121> | 025yrChicago24hr | 01/01/2016 | 22:10:00 | 0.58 |
| 06122> | 025yrChicago24hr | 01/01/2016 | 22:20:00 | 0.58 |
| 06123> | 025yrChicago24hr | 01/01/2016 | 22:30:00 | 0.57 |
| 06124> | 025yrChicago24hr | 01/01/2016 | 22:40:00 | 0.57 |
| 06125> | 025yrChicago24hr | 01/01/2016 | 22:50:00 | 0.56 |
| 06126> | 025yrChicago24hr | 01/01/2016 | 23:00:00 | 0.56 |
| 06127> | 025yrChicago24hr | 01/01/2016 | 23:10:00 | 0.55 |
| 06128> | 025yrChicago24hr | 01/01/2016 | 23:20:00 | 0.54 |
| 06129> | 025yrChicago24hr | 01/01/2016 | 23:30:00 | 0.54 |
| 06130> | 025yrChicago24hr | 01/01/2016 | 23:40:00 | 0.53 |
| 06131> | 025yrChicago24hr | 01/01/2016 | 23:50:00 | 0.53 |
| 06132> | 025yrChicago24hr | 01/02/2016 | 00:00:00 | 0.52 |
| 06133> | | | | |
| 06134> | ;Rainfall (mm/hr) | | | |
| 06135> | 050yrChicago24hr | 01/01/2016 | 00:00:00 | 0 |
| 06136> | 050yrChicago24hr | 01/01/2016 | 00:10:00 | 0.54 |
| 06137> | 050yrChicago24hr | 01/01/2016 | 00:20:00 | 0.55 |
| 06138> | 050yrChicago24hr | 01/01/2016 | 00:30:00 | 0.56 |
| 06139> | 050yrChicago24hr | 01/01/2016 | 00:40:00 | 0.57 |
| 06140> | 050yrChicago24hr | 01/01/2016 | 00:50:00 | 0.58 |
| 06141> | 050yrChicago24hr | 01/01/2016 | 01:00:00 | 0.59 |

| | | | | |
|--------|------------------|------------|----------|--------|
| 06142> | 050yrChicago24hr | 01/01/2016 | 01:10:00 | 0.61 |
| 06143> | 050yrChicago24hr | 01/01/2016 | 01:20:00 | 0.62 |
| 06144> | 050yrChicago24hr | 01/01/2016 | 01:30:00 | 0.63 |
| 06145> | 050yrChicago24hr | 01/01/2016 | 01:40:00 | 0.65 |
| 06146> | 050yrChicago24hr | 01/01/2016 | 01:50:00 | 0.67 |
| 06147> | 050yrChicago24hr | 01/01/2016 | 02:00:00 | 0.68 |
| 06148> | 050yrChicago24hr | 01/01/2016 | 02:10:00 | 0.7 |
| 06149> | 050yrChicago24hr | 01/01/2016 | 02:20:00 | 0.72 |
| 06150> | 050yrChicago24hr | 01/01/2016 | 02:30:00 | 0.74 |
| 06151> | 050yrChicago24hr | 01/01/2016 | 02:40:00 | 0.76 |
| 06152> | 050yrChicago24hr | 01/01/2016 | 02:50:00 | 0.78 |
| 06153> | 050yrChicago24hr | 01/01/2016 | 03:00:00 | 0.8 |
| 06154> | 050yrChicago24hr | 01/01/2016 | 03:10:00 | 0.83 |
| 06155> | 050yrChicago24hr | 01/01/2016 | 03:20:00 | 0.85 |
| 06156> | 050yrChicago24hr | 01/01/2016 | 03:30:00 | 0.88 |
| 06157> | 050yrChicago24hr | 01/01/2016 | 03:40:00 | 0.91 |
| 06158> | 050yrChicago24hr | 01/01/2016 | 03:50:00 | 0.95 |
| 06159> | 050yrChicago24hr | 01/01/2016 | 04:00:00 | 0.98 |
| 06160> | 050yrChicago24hr | 01/01/2016 | 04:10:00 | 1.02 |
| 06161> | 050yrChicago24hr | 01/01/2016 | 04:20:00 | 1.06 |
| 06162> | 050yrChicago24hr | 01/01/2016 | 04:30:00 | 1.11 |
| 06163> | 050yrChicago24hr | 01/01/2016 | 04:40:00 | 1.16 |
| 06164> | 050yrChicago24hr | 01/01/2016 | 04:50:00 | 1.22 |
| 06165> | 050yrChicago24hr | 01/01/2016 | 05:00:00 | 1.28 |
| 06166> | 050yrChicago24hr | 01/01/2016 | 05:10:00 | 1.35 |
| 06167> | 050yrChicago24hr | 01/01/2016 | 05:20:00 | 1.42 |
| 06168> | 050yrChicago24hr | 01/01/2016 | 05:30:00 | 1.51 |
| 06169> | 050yrChicago24hr | 01/01/2016 | 05:40:00 | 1.61 |
| 06170> | 050yrChicago24hr | 01/01/2016 | 05:50:00 | 1.73 |
| 06171> | 050yrChicago24hr | 01/01/2016 | 06:00:00 | 1.87 |
| 06172> | 050yrChicago24hr | 01/01/2016 | 06:10:00 | 2.03 |
| 06173> | 050yrChicago24hr | 01/01/2016 | 06:20:00 | 2.22 |
| 06174> | 050yrChicago24hr | 01/01/2016 | 06:30:00 | 2.46 |
| 06175> | 050yrChicago24hr | 01/01/2016 | 06:40:00 | 2.76 |
| 06176> | 050yrChicago24hr | 01/01/2016 | 06:50:00 | 3.16 |
| 06177> | 050yrChicago24hr | 01/01/2016 | 07:00:00 | 3.69 |
| 06178> | 050yrChicago24hr | 01/01/2016 | 07:10:00 | 4.47 |
| 06179> | 050yrChicago24hr | 01/01/2016 | 07:20:00 | 5.68 |
| 06180> | 050yrChicago24hr | 01/01/2016 | 07:30:00 | 7.86 |
| 06181> | 050yrChicago24hr | 01/01/2016 | 07:40:00 | 12.9 |
| 06182> | 050yrChicago24hr | 01/01/2016 | 07:50:00 | 36.22 |
| 06183> | 050yrChicago24hr | 01/01/2016 | 08:00:00 | 182.06 |
| 06184> | 050yrChicago24hr | 01/01/2016 | 08:10:00 | 49.51 |
| 06185> | 050yrChicago24hr | 01/01/2016 | 08:20:00 | 23.49 |
| 06186> | 050yrChicago24hr | 01/01/2016 | 08:30:00 | 15.09 |
| 06187> | 050yrChicago24hr | 01/01/2016 | 08:40:00 | 11.06 |
| 06188> | 050yrChicago24hr | 01/01/2016 | 08:50:00 | 8.73 |
| 06189> | 050yrChicago24hr | 01/01/2016 | 09:00:00 | 7.21 |
| 06190> | 050yrChicago24hr | 01/01/2016 | 09:10:00 | 6.15 |
| 06191> | 050yrChicago24hr | 01/01/2016 | 09:20:00 | 5.37 |
| 06192> | 050yrChicago24hr | 01/01/2016 | 09:30:00 | 4.77 |
| 06193> | 050yrChicago24hr | 01/01/2016 | 09:40:00 | 4.29 |
| 06194> | 050yrChicago24hr | 01/01/2016 | 09:50:00 | 3.91 |
| 06195> | 050yrChicago24hr | 01/01/2016 | 10:00:00 | 3.59 |
| 06196> | 050yrChicago24hr | 01/01/2016 | 10:10:00 | 3.32 |
| 06197> | 050yrChicago24hr | 01/01/2016 | 10:20:00 | 3.09 |
| 06198> | 050yrChicago24hr | 01/01/2016 | 10:30:00 | 2.89 |
| 06199> | 050yrChicago24hr | 01/01/2016 | 10:40:00 | 2.72 |
| 06200> | 050yrChicago24hr | 01/01/2016 | 10:50:00 | 2.56 |
| 06201> | 050yrChicago24hr | 01/01/2016 | 11:00:00 | 2.43 |
| 06202> | 050yrChicago24hr | 01/01/2016 | 11:10:00 | 2.31 |
| 06203> | 050yrChicago24hr | 01/01/2016 | 11:20:00 | 2.2 |
| 06204> | 050yrChicago24hr | 01/01/2016 | 11:30:00 | 2.1 |
| 06205> | 050yrChicago24hr | 01/01/2016 | 11:40:00 | 2.01 |
| 06206> | 050yrChicago24hr | 01/01/2016 | 11:50:00 | 1.93 |
| 06207> | 050yrChicago24hr | 01/01/2016 | 12:00:00 | 1.85 |
| 06208> | 050yrChicago24hr | 01/01/2016 | 12:10:00 | 1.79 |
| 06209> | 050yrChicago24hr | 01/01/2016 | 12:20:00 | 1.72 |
| 06210> | 050yrChicago24hr | 01/01/2016 | 12:30:00 | 1.66 |
| 06211> | 050yrChicago24hr | 01/01/2016 | 12:40:00 | 1.61 |
| 06212> | 050yrChicago24hr | 01/01/2016 | 12:50:00 | 1.56 |
| 06213> | 050yrChicago24hr | 01/01/2016 | 13:00:00 | 1.51 |
| 06214> | 050yrChicago24hr | 01/01/2016 | 13:10:00 | 1.46 |
| 06215> | 050yrChicago24hr | 01/01/2016 | 13:20:00 | 1.42 |
| 06216> | 050yrChicago24hr | 01/01/2016 | 13:30:00 | 1.38 |
| 06217> | 050yrChicago24hr | 01/01/2016 | 13:40:00 | 1.35 |
| 06218> | 050yrChicago24hr | 01/01/2016 | 13:50:00 | 1.31 |
| 06219> | 050yrChicago24hr | 01/01/2016 | 14:00:00 | 1.28 |
| 06220> | 050yrChicago24hr | 01/01/2016 | 14:10:00 | 1.25 |
| 06221> | 050yrChicago24hr | 01/01/2016 | 14:20:00 | 1.22 |
| 06222> | 050yrChicago24hr | 01/01/2016 | 14:30:00 | 1.19 |
| 06223> | 050yrChicago24hr | 01/01/2016 | 14:40:00 | 1.16 |
| 06224> | 050yrChicago24hr | 01/01/2016 | 14:50:00 | 1.14 |
| 06225> | 050yrChicago24hr | 01/01/2016 | 15:00:00 | 1.11 |
| 06226> | 050yrChicago24hr | 01/01/2016 | 15:10:00 | 1.09 |
| 06227> | 050yrChicago24hr | 01/01/2016 | 15:20:00 | 1.07 |
| 06228> | 050yrChicago24hr | 01/01/2016 | 15:30:00 | 1.04 |
| 06229> | 050yrChicago24hr | 01/01/2016 | 15:40:00 | 1.02 |
| 06230> | 050yrChicago24hr | 01/01/2016 | 15:50:00 | 1 |

| | | | | |
|--------|-------------------|------------|----------|------|
| 06231> | 050yrChicago24hr | 01/01/2016 | 16:00:00 | 0.99 |
| 06232> | 050yrChicago24hr | 01/01/2016 | 16:10:00 | 0.97 |
| 06233> | 050yrChicago24hr | 01/01/2016 | 16:20:00 | 0.95 |
| 06234> | 050yrChicago24hr | 01/01/2016 | 16:30:00 | 0.93 |
| 06235> | 050yrChicago24hr | 01/01/2016 | 16:40:00 | 0.92 |
| 06236> | 050yrChicago24hr | 01/01/2016 | 16:50:00 | 0.9 |
| 06237> | 050yrChicago24hr | 01/01/2016 | 17:00:00 | 0.89 |
| 06238> | 050yrChicago24hr | 01/01/2016 | 17:10:00 | 0.87 |
| 06239> | 050yrChicago24hr | 01/01/2016 | 17:20:00 | 0.86 |
| 06240> | 050yrChicago24hr | 01/01/2016 | 17:30:00 | 0.85 |
| 06241> | 050yrChicago24hr | 01/01/2016 | 17:40:00 | 0.83 |
| 06242> | 050yrChicago24hr | 01/01/2016 | 17:50:00 | 0.82 |
| 06243> | 050yrChicago24hr | 01/01/2016 | 18:00:00 | 0.81 |
| 06244> | 050yrChicago24hr | 01/01/2016 | 18:10:00 | 0.8 |
| 06245> | 050yrChicago24hr | 01/01/2016 | 18:20:00 | 0.78 |
| 06246> | 050yrChicago24hr | 01/01/2016 | 18:30:00 | 0.77 |
| 06247> | 050yrChicago24hr | 01/01/2016 | 18:40:00 | 0.76 |
| 06248> | 050yrChicago24hr | 01/01/2016 | 18:50:00 | 0.75 |
| 06249> | 050yrChicago24hr | 01/01/2016 | 19:00:00 | 0.74 |
| 06250> | 050yrChicago24hr | 01/01/2016 | 19:10:00 | 0.73 |
| 06251> | 050yrChicago24hr | 01/01/2016 | 19:20:00 | 0.72 |
| 06252> | 050yrChicago24hr | 01/01/2016 | 19:30:00 | 0.71 |
| 06253> | 050yrChicago24hr | 01/01/2016 | 19:40:00 | 0.7 |
| 06254> | 050yrChicago24hr | 01/01/2016 | 19:50:00 | 0.7 |
| 06255> | 050yrChicago24hr | 01/01/2016 | 20:00:00 | 0.69 |
| 06256> | 050yrChicago24hr | 01/01/2016 | 20:10:00 | 0.68 |
| 06257> | 050yrChicago24hr | 01/01/2016 | 20:20:00 | 0.67 |
| 06258> | 050yrChicago24hr | 01/01/2016 | 20:30:00 | 0.66 |
| 06259> | 050yrChicago24hr | 01/01/2016 | 20:40:00 | 0.65 |
| 06260> | 050yrChicago24hr | 01/01/2016 | 20:50:00 | 0.65 |
| 06261> | 050yrChicago24hr | 01/01/2016 | 21:00:00 | 0.64 |
| 06262> | 050yrChicago24hr | 01/01/2016 | 21:10:00 | 0.63 |
| 06263> | 050yrChicago24hr | 01/01/2016 | 21:20:00 | 0.63 |
| 06264> | 050yrChicago24hr | 01/01/2016 | 21:30:00 | 0.62 |
| 06265> | 050yrChicago24hr | 01/01/2016 | 21:40:00 | 0.61 |
| 06266> | 050yrChicago24hr | 01/01/2016 | 21:50:00 | 0.61 |
| 06267> | 050yrChicago24hr | 01/01/2016 | 22:00:00 | 0.6 |
| 06268> | 050yrChicago24hr | 01/01/2016 | 22:10:00 | 0.59 |
| 06269> | 050yrChicago24hr | 01/01/2016 | 22:20:00 | 0.59 |
| 06270> | 050yrChicago24hr | 01/01/2016 | 22:30:00 | 0.58 |
| 06271> | 050yrChicago24hr | 01/01/2016 | 22:40:00 | 0.57 |
| 06272> | 050yrChicago24hr | 01/01/2016 | 22:50:00 | 0.57 |
| 06273> | 050yrChicago24hr | 01/01/2016 | 23:00:00 | 0.56 |
| 06274> | 050yrChicago24hr | 01/01/2016 | 23:10:00 | 0.56 |
| 06275> | 050yrChicago24hr | 01/01/2016 | 23:20:00 | 0.55 |
| 06276> | 050yrChicago24hr | 01/01/2016 | 23:30:00 | 0.55 |
| 06277> | 050yrChicago24hr | 01/01/2016 | 23:40:00 | 0.54 |
| 06278> | 050yrChicago24hr | 01/01/2016 | 23:50:00 | 0.54 |
| 06279> | 050yrChicago24hr | 01/02/2016 | 00:00:00 | 0.53 |
| 06280> | | | | |
| 06281> | ;Rainfall (mm/hr) | | | |
| 06282> | 100yrChicago24hr | 01/01/2016 | 00:00:00 | 0 |
| 06283> | 100yrChicago24hr | 01/01/2016 | 00:10:00 | 0.59 |
| 06284> | 100yrChicago24hr | 01/01/2016 | 00:20:00 | 0.6 |
| 06285> | 100yrChicago24hr | 01/01/2016 | 00:30:00 | 0.61 |
| 06286> | 100yrChicago24hr | 01/01/2016 | 00:40:00 | 0.63 |
| 06287> | 100yrChicago24hr | 01/01/2016 | 00:50:00 | 0.64 |
| 06288> | 100yrChicago24hr | 01/01/2016 | 01:00:00 | 0.65 |
| 06289> | 100yrChicago24hr | 01/01/2016 | 01:10:00 | 0.67 |
| 06290> | 100yrChicago24hr | 01/01/2016 | 01:20:00 | 0.68 |
| 06291> | 100yrChicago24hr | 01/01/2016 | 01:30:00 | 0.7 |
| 06292> | 100yrChicago24hr | 01/01/2016 | 01:40:00 | 0.71 |
| 06293> | 100yrChicago24hr | 01/01/2016 | 01:50:00 | 0.73 |
| 06294> | 100yrChicago24hr | 01/01/2016 | 02:00:00 | 0.75 |
| 06295> | 100yrChicago24hr | 01/01/2016 | 02:10:00 | 0.77 |
| 06296> | 100yrChicago24hr | 01/01/2016 | 02:20:00 | 0.79 |
| 06297> | 100yrChicago24hr | 01/01/2016 | 02:30:00 | 0.81 |
| 06298> | 100yrChicago24hr | 01/01/2016 | 02:40:00 | 0.83 |
| 06299> | 100yrChicago24hr | 01/01/2016 | 02:50:00 | 0.85 |
| 06300> | 100yrChicago24hr | 01/01/2016 | 03:00:00 | 0.88 |
| 06301> | 100yrChicago24hr | 01/01/2016 | 03:10:00 | 0.91 |
| 06302> | 100yrChicago24hr | 01/01/2016 | 03:20:00 | 0.94 |
| 06303> | 100yrChicago24hr | 01/01/2016 | 03:30:00 | 0.97 |
| 06304> | 100yrChicago24hr | 01/01/2016 | 03:40:00 | 1 |
| 06305> | 100yrChicago24hr | 01/01/2016 | 03:50:00 | 1.04 |
| 06306> | 100yrChicago24hr | 01/01/2016 | 04:00:00 | 1.08 |
| 06307> | 100yrChicago24hr | 01/01/2016 | 04:10:00 | 1.12 |
| 06308> | 100yrChicago24hr | 01/01/2016 | 04:20:00 | 1.16 |
| 06309> | 100yrChicago24hr | 01/01/2016 | 04:30:00 | 1.22 |
| 06310> | 100yrChicago24hr | 01/01/2016 | 04:40:00 | 1.27 |
| 06311> | 100yrChicago24hr | 01/01/2016 | 04:50:00 | 1.33 |
| 06312> | 100yrChicago24hr | 01/01/2016 | 05:00:00 | 1.4 |
| 06313> | 100yrChicago24hr | 01/01/2016 | 05:10:00 | 1.48 |
| 06314> | 100yrChicago24hr | 01/01/2016 | 05:20:00 | 1.56 |
| 06315> | 100yrChicago24hr | 01/01/2016 | 05:30:00 | 1.66 |
| 06316> | 100yrChicago24hr | 01/01/2016 | 05:40:00 | 1.77 |
| 06317> | 100yrChicago24hr | 01/01/2016 | 05:50:00 | 1.9 |
| 06318> | 100yrChicago24hr | 01/01/2016 | 06:00:00 | 2.04 |
| 06319> | 100yrChicago24hr | 01/01/2016 | 06:10:00 | 2.22 |

| | | | | |
|--------|------------------|------------|----------|-------|
| 06320> | 100yrChicago24hr | 01/01/2016 | 06:20:00 | 2.43 |
| 06321> | 100yrChicago24hr | 01/01/2016 | 06:30:00 | 2.7 |
| 06322> | 100yrChicago24hr | 01/01/2016 | 06:40:00 | 3.03 |
| 06323> | 100yrChicago24hr | 01/01/2016 | 06:50:00 | 3.46 |
| 06324> | 100yrChicago24hr | 01/01/2016 | 07:00:00 | 4.04 |
| 06325> | 100yrChicago24hr | 01/01/2016 | 07:10:00 | 4.89 |
| 06326> | 100yrChicago24hr | 01/01/2016 | 07:20:00 | 6.21 |
| 06327> | 100yrChicago24hr | 01/01/2016 | 07:30:00 | 8.59 |
| 06328> | 100yrChicago24hr | 01/01/2016 | 07:40:00 | 14.09 |
| 06329> | 100yrChicago24hr | 01/01/2016 | 07:50:00 | 39.57 |
| 06330> | 100yrChicago24hr | 01/01/2016 | 08:00:00 | 200.8 |
| 06331> | 100yrChicago24hr | 01/01/2016 | 08:10:00 | 54.1 |
| 06332> | 100yrChicago24hr | 01/01/2016 | 08:20:00 | 25.64 |
| 06333> | 100yrChicago24hr | 01/01/2016 | 08:30:00 | 16.48 |
| 06334> | 100yrChicago24hr | 01/01/2016 | 08:40:00 | 12.09 |
| 06335> | 100yrChicago24hr | 01/01/2016 | 08:50:00 | 9.54 |
| 06336> | 100yrChicago24hr | 01/01/2016 | 09:00:00 | 7.88 |
| 06337> | 100yrChicago24hr | 01/01/2016 | 09:10:00 | 6.73 |
| 06338> | 100yrChicago24hr | 01/01/2016 | 09:20:00 | 5.87 |
| 06339> | 100yrChicago24hr | 01/01/2016 | 09:30:00 | 5.22 |
| 06340> | 100yrChicago24hr | 01/01/2016 | 09:40:00 | 4.7 |
| 06341> | 100yrChicago24hr | 01/01/2016 | 09:50:00 | 4.28 |
| 06342> | 100yrChicago24hr | 01/01/2016 | 10:00:00 | 3.93 |
| 06343> | 100yrChicago24hr | 01/01/2016 | 10:10:00 | 3.63 |
| 06344> | 100yrChicago24hr | 01/01/2016 | 10:20:00 | 3.38 |
| 06345> | 100yrChicago24hr | 01/01/2016 | 10:30:00 | 3.16 |
| 06346> | 100yrChicago24hr | 01/01/2016 | 10:40:00 | 2.97 |
| 06347> | 100yrChicago24hr | 01/01/2016 | 10:50:00 | 2.81 |
| 06348> | 100yrChicago24hr | 01/01/2016 | 11:00:00 | 2.66 |
| 06349> | 100yrChicago24hr | 01/01/2016 | 11:10:00 | 2.53 |
| 06350> | 100yrChicago24hr | 01/01/2016 | 11:20:00 | 2.41 |
| 06351> | 100yrChicago24hr | 01/01/2016 | 11:30:00 | 2.3 |
| 06352> | 100yrChicago24hr | 01/01/2016 | 11:40:00 | 2.2 |
| 06353> | 100yrChicago24hr | 01/01/2016 | 11:50:00 | 2.11 |
| 06354> | 100yrChicago24hr | 01/01/2016 | 12:00:00 | 2.03 |
| 06355> | 100yrChicago24hr | 01/01/2016 | 12:10:00 | 1.96 |
| 06356> | 100yrChicago24hr | 01/01/2016 | 12:20:00 | 1.89 |
| 06357> | 100yrChicago24hr | 01/01/2016 | 12:30:00 | 1.82 |
| 06358> | 100yrChicago24hr | 01/01/2016 | 12:40:00 | 1.76 |
| 06359> | 100yrChicago24hr | 01/01/2016 | 12:50:00 | 1.71 |
| 06360> | 100yrChicago24hr | 01/01/2016 | 13:00:00 | 1.65 |
| 06361> | 100yrChicago24hr | 01/01/2016 | 13:10:00 | 1.6 |
| 06362> | 100yrChicago24hr | 01/01/2016 | 13:20:00 | 1.56 |
| 06363> | 100yrChicago24hr | 01/01/2016 | 13:30:00 | 1.52 |
| 06364> | 100yrChicago24hr | 01/01/2016 | 13:40:00 | 1.48 |
| 06365> | 100yrChicago24hr | 01/01/2016 | 13:50:00 | 1.44 |
| 06366> | 100yrChicago24hr | 01/01/2016 | 14:00:00 | 1.4 |
| 06367> | 100yrChicago24hr | 01/01/2016 | 14:10:00 | 1.37 |
| 06368> | 100yrChicago24hr | 01/01/2016 | 14:20:00 | 1.33 |
| 06369> | 100yrChicago24hr | 01/01/2016 | 14:30:00 | 1.3 |
| 06370> | 100yrChicago24hr | 01/01/2016 | 14:40:00 | 1.27 |
| 06371> | 100yrChicago24hr | 01/01/2016 | 14:50:00 | 1.24 |
| 06372> | 100yrChicago24hr | 01/01/2016 | 15:00:00 | 1.22 |
| 06373> | 100yrChicago24hr | 01/01/2016 | 15:10:00 | 1.19 |
| 06374> | 100yrChicago24hr | 01/01/2016 | 15:20:00 | 1.17 |
| 06375> | 100yrChicago24hr | 01/01/2016 | 15:30:00 | 1.14 |
| 06376> | 100yrChicago24hr | 01/01/2016 | 15:40:00 | 1.12 |
| 06377> | 100yrChicago24hr | 01/01/2016 | 15:50:00 | 1.1 |
| 06378> | 100yrChicago24hr | 01/01/2016 | 16:00:00 | 1.08 |
| 06379> | 100yrChicago24hr | 01/01/2016 | 16:10:00 | 1.06 |
| 06380> | 100yrChicago24hr | 01/01/2016 | 16:20:00 | 1.04 |
| 06381> | 100yrChicago24hr | 01/01/2016 | 16:30:00 | 1.02 |
| 06382> | 100yrChicago24hr | 01/01/2016 | 16:40:00 | 1.01 |
| 06383> | 100yrChicago24hr | 01/01/2016 | 16:50:00 | 0.99 |
| 06384> | 100yrChicago24hr | 01/01/2016 | 17:00:00 | 0.97 |
| 06385> | 100yrChicago24hr | 01/01/2016 | 17:10:00 | 0.96 |
| 06386> | 100yrChicago24hr | 01/01/2016 | 17:20:00 | 0.94 |
| 06387> | 100yrChicago24hr | 01/01/2016 | 17:30:00 | 0.93 |
| 06388> | 100yrChicago24hr | 01/01/2016 | 17:40:00 | 0.91 |
| 06389> | 100yrChicago24hr | 01/01/2016 | 17:50:00 | 0.9 |
| 06390> | 100yrChicago24hr | 01/01/2016 | 18:00:00 | 0.89 |
| 06391> | 100yrChicago24hr | 01/01/2016 | 18:10:00 | 0.87 |
| 06392> | 100yrChicago24hr | 01/01/2016 | 18:20:00 | 0.86 |
| 06393> | 100yrChicago24hr | 01/01/2016 | 18:30:00 | 0.85 |
| 06394> | 100yrChicago24hr | 01/01/2016 | 18:40:00 | 0.84 |
| 06395> | 100yrChicago24hr | 01/01/2016 | 18:50:00 | 0.82 |
| 06396> | 100yrChicago24hr | 01/01/2016 | 19:00:00 | 0.81 |
| 06397> | 100yrChicago24hr | 01/01/2016 | 19:10:00 | 0.8 |
| 06398> | 100yrChicago24hr | 01/01/2016 | 19:20:00 | 0.79 |
| 06399> | 100yrChicago24hr | 01/01/2016 | 19:30:00 | 0.78 |
| 06400> | 100yrChicago24hr | 01/01/2016 | 19:40:00 | 0.77 |
| 06401> | 100yrChicago24hr | 01/01/2016 | 19:50:00 | 0.76 |
| 06402> | 100yrChicago24hr | 01/01/2016 | 20:00:00 | 0.75 |
| 06403> | 100yrChicago24hr | 01/01/2016 | 20:10:00 | 0.74 |
| 06404> | 100yrChicago24hr | 01/01/2016 | 20:20:00 | 0.73 |
| 06405> | 100yrChicago24hr | 01/01/2016 | 20:30:00 | 0.73 |
| 06406> | 100yrChicago24hr | 01/01/2016 | 20:40:00 | 0.72 |
| 06407> | 100yrChicago24hr | 01/01/2016 | 20:50:00 | 0.71 |
| 06408> | 100yrChicago24hr | 01/01/2016 | 21:00:00 | 0.7 |

| | | | | |
|--------|-------------------|------------|----------|---------|
| 06409> | 100yrChicago24hr | 01/01/2016 | 21:10:00 | 0.69 |
| 06410> | 100yrChicago24hr | 01/01/2016 | 21:20:00 | 0.69 |
| 06411> | 100yrChicago24hr | 01/01/2016 | 21:30:00 | 0.68 |
| 06412> | 100yrChicago24hr | 01/01/2016 | 21:40:00 | 0.67 |
| 06413> | 100yrChicago24hr | 01/01/2016 | 21:50:00 | 0.66 |
| 06414> | 100yrChicago24hr | 01/01/2016 | 22:00:00 | 0.66 |
| 06415> | 100yrChicago24hr | 01/01/2016 | 22:10:00 | 0.65 |
| 06416> | 100yrChicago24hr | 01/01/2016 | 22:20:00 | 0.64 |
| 06417> | 100yrChicago24hr | 01/01/2016 | 22:30:00 | 0.64 |
| 06418> | 100yrChicago24hr | 01/01/2016 | 22:40:00 | 0.63 |
| 06419> | 100yrChicago24hr | 01/01/2016 | 22:50:00 | 0.62 |
| 06420> | 100yrChicago24hr | 01/01/2016 | 23:00:00 | 0.62 |
| 06421> | 100yrChicago24hr | 01/01/2016 | 23:10:00 | 0.61 |
| 06422> | 100yrChicago24hr | 01/01/2016 | 23:20:00 | 0.61 |
| 06423> | 100yrChicago24hr | 01/01/2016 | 23:30:00 | 0.6 |
| 06424> | 100yrChicago24hr | 01/01/2016 | 23:40:00 | 0.59 |
| 06425> | 100yrChicago24hr | 01/01/2016 | 23:50:00 | 0.59 |
| 06426> | 100yrChicago24hr | 01/02/2016 | 00:00:00 | 0.58 |
| 06427> | | | | |
| 06428> | ;Rainfall (mm/Hr) | | | |
| 06429> | 10mm4Hr | 01/01/2016 | 00:00:00 | 0 |
| 06430> | 10mm4Hr | 01/01/2016 | 00:10:00 | 0.6009 |
| 06431> | 10mm4Hr | 01/01/2016 | 00:20:00 | 0.6906 |
| 06432> | 10mm4Hr | 01/01/2016 | 00:30:00 | 0.8168 |
| 06433> | 10mm4Hr | 01/01/2016 | 00:40:00 | 1.0084 |
| 06434> | 10mm4Hr | 01/01/2016 | 00:50:00 | 1.3385 |
| 06435> | 10mm4Hr | 01/01/2016 | 01:00:00 | 2.0572 |
| 06436> | 10mm4Hr | 01/01/2016 | 01:10:00 | 5.0807 |
| 06437> | 10mm4Hr | 01/01/2016 | 01:20:00 | 24.1234 |
| 06438> | 10mm4Hr | 01/01/2016 | 01:30:00 | 6.7271 |
| 06439> | 10mm4Hr | 01/01/2016 | 01:40:00 | 3.4413 |
| 06440> | 10mm4Hr | 01/01/2016 | 01:50:00 | 2.336 |
| 06441> | 10mm4Hr | 01/01/2016 | 02:00:00 | 1.7833 |
| 06442> | 10mm4Hr | 01/01/2016 | 02:10:00 | 1.4512 |
| 06443> | 10mm4Hr | 01/01/2016 | 02:20:00 | 1.2291 |
| 06444> | 10mm4Hr | 01/01/2016 | 02:30:00 | 1.0697 |
| 06445> | 10mm4Hr | 01/01/2016 | 02:40:00 | 0.9496 |
| 06446> | 10mm4Hr | 01/01/2016 | 02:50:00 | 0.8556 |
| 06447> | 10mm4Hr | 01/01/2016 | 03:00:00 | 0.7799 |
| 06448> | 10mm4Hr | 01/01/2016 | 03:10:00 | 0.7176 |
| 06449> | 10mm4Hr | 01/01/2016 | 03:20:00 | 0.6654 |
| 06450> | 10mm4Hr | 01/01/2016 | 03:30:00 | 0.6209 |
| 06451> | 10mm4Hr | 01/01/2016 | 03:40:00 | 0.5825 |
| 06452> | 10mm4Hr | 01/01/2016 | 03:50:00 | 0.549 |
| 06453> | 10mm4Hr | 01/01/2016 | 04:00:00 | 0.5195 |
| 06454> | | | | |
| 06455> | ;Rainfall (mm/hr) | | | |
| 06456> | 25mm4hr | 01/01/2016 | 00:00:00 | 0 |
| 06457> | 25mm4hr | 01/01/2016 | 00:10:00 | 1.5023 |
| 06458> | 25mm4hr | 01/01/2016 | 00:20:00 | 1.7266 |
| 06459> | 25mm4hr | 01/01/2016 | 00:30:00 | 2.0419 |
| 06460> | 25mm4hr | 01/01/2016 | 00:40:00 | 2.521 |
| 06461> | 25mm4hr | 01/01/2016 | 00:50:00 | 3.3462 |
| 06462> | 25mm4hr | 01/01/2016 | 01:00:00 | 5.1431 |
| 06463> | 25mm4hr | 01/01/2016 | 01:10:00 | 12.7017 |
| 06464> | 25mm4hr | 01/01/2016 | 01:20:00 | 60.3084 |
| 06465> | 25mm4hr | 01/01/2016 | 01:30:00 | 16.8178 |
| 06466> | 25mm4hr | 01/01/2016 | 01:40:00 | 8.6032 |
| 06467> | 25mm4hr | 01/01/2016 | 01:50:00 | 5.8401 |
| 06468> | 25mm4hr | 01/01/2016 | 02:00:00 | 4.4582 |
| 06469> | 25mm4hr | 01/01/2016 | 02:10:00 | 3.6279 |
| 06470> | 25mm4hr | 01/01/2016 | 02:20:00 | 3.0727 |
| 06471> | 25mm4hr | 01/01/2016 | 02:30:00 | 2.6743 |
| 06472> | 25mm4hr | 01/01/2016 | 02:40:00 | 2.374 |
| 06473> | 25mm4hr | 01/01/2016 | 02:50:00 | 2.139 |
| 06474> | 25mm4hr | 01/01/2016 | 03:00:00 | 1.9498 |
| 06475> | 25mm4hr | 01/01/2016 | 03:10:00 | 1.7941 |
| 06476> | 25mm4hr | 01/01/2016 | 03:20:00 | 1.6634 |
| 06477> | 25mm4hr | 01/01/2016 | 03:30:00 | 1.5522 |
| 06478> | 25mm4hr | 01/01/2016 | 03:40:00 | 1.4562 |
| 06479> | 25mm4hr | 01/01/2016 | 03:50:00 | 1.3725 |
| 06480> | 25mm4hr | 01/01/2016 | 04:00:00 | 1.2988 |
| 06481> | | | | |
| 06482> | ;Rainfall (mm/hr) | | | |
| 06483> | Regional | 01/01/2016 | 00:00:00 | 0 |
| 06484> | Regional | 01/01/2016 | 00:10:00 | 2.03 |
| 06485> | Regional | 01/01/2016 | 00:20:00 | 2.03 |
| 06486> | Regional | 01/01/2016 | 00:30:00 | 2.03 |
| 06487> | Regional | 01/01/2016 | 00:40:00 | 2.03 |
| 06488> | Regional | 01/01/2016 | 00:50:00 | 2.03 |
| 06489> | Regional | 01/01/2016 | 01:00:00 | 2.03 |
| 06490> | Regional | 01/01/2016 | 01:10:00 | 2.03 |
| 06491> | Regional | 01/01/2016 | 01:20:00 | 2.03 |
| 06492> | Regional | 01/01/2016 | 01:30:00 | 2.03 |
| 06493> | Regional | 01/01/2016 | 01:40:00 | 2.03 |
| 06494> | Regional | 01/01/2016 | 01:50:00 | 2.03 |
| 06495> | Regional | 01/01/2016 | 02:00:00 | 2.03 |
| 06496> | Regional | 01/01/2016 | 02:10:00 | 2.03 |
| 06497> | Regional | 01/01/2016 | 02:20:00 | 2.03 |

| | | | | |
|--------|----------|------------|----------|------|
| 06498> | Regional | 01/01/2016 | 02:30:00 | 2.03 |
| 06499> | Regional | 01/01/2016 | 02:40:00 | 2.03 |
| 06500> | Regional | 01/01/2016 | 02:50:00 | 2.03 |
| 06501> | Regional | 01/01/2016 | 03:00:00 | 2.03 |
| 06502> | Regional | 01/01/2016 | 03:10:00 | 2.03 |
| 06503> | Regional | 01/01/2016 | 03:20:00 | 2.03 |
| 06504> | Regional | 01/01/2016 | 03:30:00 | 2.03 |
| 06505> | Regional | 01/01/2016 | 03:40:00 | 2.03 |
| 06506> | Regional | 01/01/2016 | 03:50:00 | 2.03 |
| 06507> | Regional | 01/01/2016 | 04:00:00 | 2.03 |
| 06508> | Regional | 01/01/2016 | 04:10:00 | 2.03 |
| 06509> | Regional | 01/01/2016 | 04:20:00 | 2.03 |
| 06510> | Regional | 01/01/2016 | 04:30:00 | 2.03 |
| 06511> | Regional | 01/01/2016 | 04:40:00 | 2.03 |
| 06512> | Regional | 01/01/2016 | 04:50:00 | 2.03 |
| 06513> | Regional | 01/01/2016 | 05:00:00 | 2.03 |
| 06514> | Regional | 01/01/2016 | 05:10:00 | 2.03 |
| 06515> | Regional | 01/01/2016 | 05:20:00 | 2.03 |
| 06516> | Regional | 01/01/2016 | 05:30:00 | 2.03 |
| 06517> | Regional | 01/01/2016 | 05:40:00 | 2.03 |
| 06518> | Regional | 01/01/2016 | 05:50:00 | 2.03 |
| 06519> | Regional | 01/01/2016 | 06:00:00 | 2.03 |
| 06520> | Regional | 01/01/2016 | 06:10:00 | 2.03 |
| 06521> | Regional | 01/01/2016 | 06:20:00 | 2.03 |
| 06522> | Regional | 01/01/2016 | 06:30:00 | 2.03 |
| 06523> | Regional | 01/01/2016 | 06:40:00 | 2.03 |
| 06524> | Regional | 01/01/2016 | 06:50:00 | 2.03 |
| 06525> | Regional | 01/01/2016 | 07:00:00 | 2.03 |
| 06526> | Regional | 01/01/2016 | 07:10:00 | 2.03 |
| 06527> | Regional | 01/01/2016 | 07:20:00 | 2.03 |
| 06528> | Regional | 01/01/2016 | 07:30:00 | 2.03 |
| 06529> | Regional | 01/01/2016 | 07:40:00 | 2.03 |
| 06530> | Regional | 01/01/2016 | 07:50:00 | 2.03 |
| 06531> | Regional | 01/01/2016 | 08:00:00 | 2.03 |
| 06532> | Regional | 01/01/2016 | 08:10:00 | 2.03 |
| 06533> | Regional | 01/01/2016 | 08:20:00 | 2.03 |
| 06534> | Regional | 01/01/2016 | 08:30:00 | 2.03 |
| 06535> | Regional | 01/01/2016 | 08:40:00 | 2.03 |
| 06536> | Regional | 01/01/2016 | 08:50:00 | 2.03 |
| 06537> | Regional | 01/01/2016 | 09:00:00 | 2.03 |
| 06538> | Regional | 01/01/2016 | 09:10:00 | 2.03 |
| 06539> | Regional | 01/01/2016 | 09:20:00 | 2.03 |
| 06540> | Regional | 01/01/2016 | 09:30:00 | 2.03 |
| 06541> | Regional | 01/01/2016 | 09:40:00 | 2.03 |
| 06542> | Regional | 01/01/2016 | 09:50:00 | 2.03 |
| 06543> | Regional | 01/01/2016 | 10:00:00 | 2.03 |
| 06544> | Regional | 01/01/2016 | 10:10:00 | 2.03 |
| 06545> | Regional | 01/01/2016 | 10:20:00 | 2.03 |
| 06546> | Regional | 01/01/2016 | 10:30:00 | 2.03 |
| 06547> | Regional | 01/01/2016 | 10:40:00 | 2.03 |
| 06548> | Regional | 01/01/2016 | 10:50:00 | 2.03 |
| 06549> | Regional | 01/01/2016 | 11:00:00 | 2.03 |
| 06550> | Regional | 01/01/2016 | 11:10:00 | 2.03 |
| 06551> | Regional | 01/01/2016 | 11:20:00 | 2.03 |
| 06552> | Regional | 01/01/2016 | 11:30:00 | 2.03 |
| 06553> | Regional | 01/01/2016 | 11:40:00 | 2.03 |
| 06554> | Regional | 01/01/2016 | 11:50:00 | 2.03 |
| 06555> | Regional | 01/01/2016 | 12:00:00 | 2.03 |
| 06556> | Regional | 01/01/2016 | 12:10:00 | 2.03 |
| 06557> | Regional | 01/01/2016 | 12:20:00 | 2.03 |
| 06558> | Regional | 01/01/2016 | 12:30:00 | 2.03 |
| 06559> | Regional | 01/01/2016 | 12:40:00 | 2.03 |
| 06560> | Regional | 01/01/2016 | 12:50:00 | 2.03 |
| 06561> | Regional | 01/01/2016 | 13:00:00 | 2.03 |
| 06562> | Regional | 01/01/2016 | 13:10:00 | 2.03 |
| 06563> | Regional | 01/01/2016 | 13:20:00 | 2.03 |
| 06564> | Regional | 01/01/2016 | 13:30:00 | 2.03 |
| 06565> | Regional | 01/01/2016 | 13:40:00 | 2.03 |
| 06566> | Regional | 01/01/2016 | 13:50:00 | 2.03 |
| 06567> | Regional | 01/01/2016 | 14:00:00 | 2.03 |
| 06568> | Regional | 01/01/2016 | 14:10:00 | 2.03 |
| 06569> | Regional | 01/01/2016 | 14:20:00 | 2.03 |
| 06570> | Regional | 01/01/2016 | 14:30:00 | 2.03 |
| 06571> | Regional | 01/01/2016 | 14:40:00 | 2.03 |
| 06572> | Regional | 01/01/2016 | 14:50:00 | 2.03 |
| 06573> | Regional | 01/01/2016 | 15:00:00 | 2.03 |
| 06574> | Regional | 01/01/2016 | 15:10:00 | 2.03 |
| 06575> | Regional | 01/01/2016 | 15:20:00 | 2.03 |
| 06576> | Regional | 01/01/2016 | 15:30:00 | 2.03 |
| 06577> | Regional | 01/01/2016 | 15:40:00 | 2.03 |
| 06578> | Regional | 01/01/2016 | 15:50:00 | 2.03 |
| 06579> | Regional | 01/01/2016 | 16:00:00 | 2.03 |
| 06580> | Regional | 01/01/2016 | 16:10:00 | 2.03 |
| 06581> | Regional | 01/01/2016 | 16:20:00 | 2.03 |
| 06582> | Regional | 01/01/2016 | 16:30:00 | 2.03 |
| 06583> | Regional | 01/01/2016 | 16:40:00 | 2.03 |
| 06584> | Regional | 01/01/2016 | 16:50:00 | 2.03 |
| 06585> | Regional | 01/01/2016 | 17:00:00 | 2.03 |
| 06586> | Regional | 01/01/2016 | 17:10:00 | 2.03 |

| | | | | |
|--------|----------|------------|----------|------|
| 06587> | Regional | 01/01/2016 | 17:20:00 | 2.03 |
| 06588> | Regional | 01/01/2016 | 17:30:00 | 2.03 |
| 06589> | Regional | 01/01/2016 | 17:40:00 | 2.03 |
| 06590> | Regional | 01/01/2016 | 17:50:00 | 2.03 |
| 06591> | Regional | 01/01/2016 | 18:00:00 | 2.03 |
| 06592> | Regional | 01/01/2016 | 18:10:00 | 2.03 |
| 06593> | Regional | 01/01/2016 | 18:20:00 | 2.03 |
| 06594> | Regional | 01/01/2016 | 18:30:00 | 2.03 |
| 06595> | Regional | 01/01/2016 | 18:40:00 | 2.03 |
| 06596> | Regional | 01/01/2016 | 18:50:00 | 2.03 |
| 06597> | Regional | 01/01/2016 | 19:00:00 | 2.03 |
| 06598> | Regional | 01/01/2016 | 19:10:00 | 2.03 |
| 06599> | Regional | 01/01/2016 | 19:20:00 | 2.03 |
| 06600> | Regional | 01/01/2016 | 19:30:00 | 2.03 |
| 06601> | Regional | 01/01/2016 | 19:40:00 | 2.03 |
| 06602> | Regional | 01/01/2016 | 19:50:00 | 2.03 |
| 06603> | Regional | 01/01/2016 | 20:00:00 | 2.03 |
| 06604> | Regional | 01/01/2016 | 20:10:00 | 2.03 |
| 06605> | Regional | 01/01/2016 | 20:20:00 | 2.03 |
| 06606> | Regional | 01/01/2016 | 20:30:00 | 2.03 |
| 06607> | Regional | 01/01/2016 | 20:40:00 | 2.03 |
| 06608> | Regional | 01/01/2016 | 20:50:00 | 2.03 |
| 06609> | Regional | 01/01/2016 | 21:00:00 | 2.03 |
| 06610> | Regional | 01/01/2016 | 21:10:00 | 2.03 |
| 06611> | Regional | 01/01/2016 | 21:20:00 | 2.03 |
| 06612> | Regional | 01/01/2016 | 21:30:00 | 2.03 |
| 06613> | Regional | 01/01/2016 | 21:40:00 | 2.03 |
| 06614> | Regional | 01/01/2016 | 21:50:00 | 2.03 |
| 06615> | Regional | 01/01/2016 | 22:00:00 | 2.03 |
| 06616> | Regional | 01/01/2016 | 22:10:00 | 2.03 |
| 06617> | Regional | 01/01/2016 | 22:20:00 | 2.03 |
| 06618> | Regional | 01/01/2016 | 22:30:00 | 2.03 |
| 06619> | Regional | 01/01/2016 | 22:40:00 | 2.03 |
| 06620> | Regional | 01/01/2016 | 22:50:00 | 2.03 |
| 06621> | Regional | 01/01/2016 | 23:00:00 | 2.03 |
| 06622> | Regional | 01/01/2016 | 23:10:00 | 2.03 |
| 06623> | Regional | 01/01/2016 | 23:20:00 | 2.03 |
| 06624> | Regional | 01/01/2016 | 23:30:00 | 2.03 |
| 06625> | Regional | 01/01/2016 | 23:40:00 | 2.03 |
| 06626> | Regional | 01/01/2016 | 23:50:00 | 2.03 |
| 06627> | Regional | 01/02/2016 | 00:00:00 | 2.03 |
| 06628> | Regional | 01/02/2016 | 00:10:00 | 2.03 |
| 06629> | Regional | 01/02/2016 | 00:20:00 | 2.03 |
| 06630> | Regional | 01/02/2016 | 00:30:00 | 2.03 |
| 06631> | Regional | 01/02/2016 | 00:40:00 | 2.03 |
| 06632> | Regional | 01/02/2016 | 00:50:00 | 2.03 |
| 06633> | Regional | 01/02/2016 | 01:00:00 | 2.03 |
| 06634> | Regional | 01/02/2016 | 01:10:00 | 2.03 |
| 06635> | Regional | 01/02/2016 | 01:20:00 | 2.03 |
| 06636> | Regional | 01/02/2016 | 01:30:00 | 2.03 |
| 06637> | Regional | 01/02/2016 | 01:40:00 | 2.03 |
| 06638> | Regional | 01/02/2016 | 01:50:00 | 2.03 |
| 06639> | Regional | 01/02/2016 | 02:00:00 | 2.03 |
| 06640> | Regional | 01/02/2016 | 02:10:00 | 2.03 |
| 06641> | Regional | 01/02/2016 | 02:20:00 | 2.03 |
| 06642> | Regional | 01/02/2016 | 02:30:00 | 2.03 |
| 06643> | Regional | 01/02/2016 | 02:40:00 | 2.03 |
| 06644> | Regional | 01/02/2016 | 02:50:00 | 2.03 |
| 06645> | Regional | 01/02/2016 | 03:00:00 | 2.03 |
| 06646> | Regional | 01/02/2016 | 03:10:00 | 2.03 |
| 06647> | Regional | 01/02/2016 | 03:20:00 | 2.03 |
| 06648> | Regional | 01/02/2016 | 03:30:00 | 2.03 |
| 06649> | Regional | 01/02/2016 | 03:40:00 | 2.03 |
| 06650> | Regional | 01/02/2016 | 03:50:00 | 2.03 |
| 06651> | Regional | 01/02/2016 | 04:00:00 | 2.03 |
| 06652> | Regional | 01/02/2016 | 04:10:00 | 2.03 |
| 06653> | Regional | 01/02/2016 | 04:20:00 | 2.03 |
| 06654> | Regional | 01/02/2016 | 04:30:00 | 2.03 |
| 06655> | Regional | 01/02/2016 | 04:40:00 | 2.03 |
| 06656> | Regional | 01/02/2016 | 04:50:00 | 2.03 |
| 06657> | Regional | 01/02/2016 | 05:00:00 | 2.03 |
| 06658> | Regional | 01/02/2016 | 05:10:00 | 2.03 |
| 06659> | Regional | 01/02/2016 | 05:20:00 | 2.03 |
| 06660> | Regional | 01/02/2016 | 05:30:00 | 2.03 |
| 06661> | Regional | 01/02/2016 | 05:40:00 | 2.03 |
| 06662> | Regional | 01/02/2016 | 05:50:00 | 2.03 |
| 06663> | Regional | 01/02/2016 | 06:00:00 | 2.03 |
| 06664> | Regional | 01/02/2016 | 06:10:00 | 2.03 |
| 06665> | Regional | 01/02/2016 | 06:20:00 | 2.03 |
| 06666> | Regional | 01/02/2016 | 06:30:00 | 2.03 |
| 06667> | Regional | 01/02/2016 | 06:40:00 | 2.03 |
| 06668> | Regional | 01/02/2016 | 06:50:00 | 2.03 |
| 06669> | Regional | 01/02/2016 | 07:00:00 | 2.03 |
| 06670> | Regional | 01/02/2016 | 07:10:00 | 2.03 |
| 06671> | Regional | 01/02/2016 | 07:20:00 | 2.03 |
| 06672> | Regional | 01/02/2016 | 07:30:00 | 2.03 |
| 06673> | Regional | 01/02/2016 | 07:40:00 | 2.03 |
| 06674> | Regional | 01/02/2016 | 07:50:00 | 2.03 |
| 06675> | Regional | 01/02/2016 | 08:00:00 | 2.03 |

| | | | | |
|--------|----------|------------|----------|------|
| 06676> | Regional | 01/02/2016 | 08:10:00 | 2.03 |
| 06677> | Regional | 01/02/2016 | 08:20:00 | 2.03 |
| 06678> | Regional | 01/02/2016 | 08:30:00 | 2.03 |
| 06679> | Regional | 01/02/2016 | 08:40:00 | 2.03 |
| 06680> | Regional | 01/02/2016 | 08:50:00 | 2.03 |
| 06681> | Regional | 01/02/2016 | 09:00:00 | 2.03 |
| 06682> | Regional | 01/02/2016 | 09:10:00 | 2.03 |
| 06683> | Regional | 01/02/2016 | 09:20:00 | 2.03 |
| 06684> | Regional | 01/02/2016 | 09:30:00 | 2.03 |
| 06685> | Regional | 01/02/2016 | 09:40:00 | 2.03 |
| 06686> | Regional | 01/02/2016 | 09:50:00 | 2.03 |
| 06687> | Regional | 01/02/2016 | 10:00:00 | 2.03 |
| 06688> | Regional | 01/02/2016 | 10:10:00 | 2.03 |
| 06689> | Regional | 01/02/2016 | 10:20:00 | 2.03 |
| 06690> | Regional | 01/02/2016 | 10:30:00 | 2.03 |
| 06691> | Regional | 01/02/2016 | 10:40:00 | 2.03 |
| 06692> | Regional | 01/02/2016 | 10:50:00 | 2.03 |
| 06693> | Regional | 01/02/2016 | 11:00:00 | 2.03 |
| 06694> | Regional | 01/02/2016 | 11:10:00 | 2.03 |
| 06695> | Regional | 01/02/2016 | 11:20:00 | 2.03 |
| 06696> | Regional | 01/02/2016 | 11:30:00 | 2.03 |
| 06697> | Regional | 01/02/2016 | 11:40:00 | 2.03 |
| 06698> | Regional | 01/02/2016 | 11:50:00 | 2.03 |
| 06699> | Regional | 01/02/2016 | 12:00:00 | 2.03 |
| 06700> | Regional | 01/02/2016 | 12:10:00 | 6 |
| 06701> | Regional | 01/02/2016 | 12:20:00 | 6 |
| 06702> | Regional | 01/02/2016 | 12:30:00 | 6 |
| 06703> | Regional | 01/02/2016 | 12:40:00 | 6 |
| 06704> | Regional | 01/02/2016 | 12:50:00 | 6 |
| 06705> | Regional | 01/02/2016 | 13:00:00 | 6 |
| 06706> | Regional | 01/02/2016 | 13:10:00 | 4 |
| 06707> | Regional | 01/02/2016 | 13:20:00 | 4 |
| 06708> | Regional | 01/02/2016 | 13:30:00 | 4 |
| 06709> | Regional | 01/02/2016 | 13:40:00 | 4 |
| 06710> | Regional | 01/02/2016 | 13:50:00 | 4 |
| 06711> | Regional | 01/02/2016 | 14:00:00 | 4 |
| 06712> | Regional | 01/02/2016 | 14:10:00 | 6 |
| 06713> | Regional | 01/02/2016 | 14:20:00 | 6 |
| 06714> | Regional | 01/02/2016 | 14:30:00 | 6 |
| 06715> | Regional | 01/02/2016 | 14:40:00 | 6 |
| 06716> | Regional | 01/02/2016 | 14:50:00 | 6 |
| 06717> | Regional | 01/02/2016 | 15:00:00 | 6 |
| 06718> | Regional | 01/02/2016 | 15:10:00 | 13 |
| 06719> | Regional | 01/02/2016 | 15:20:00 | 13 |
| 06720> | Regional | 01/02/2016 | 15:30:00 | 13 |
| 06721> | Regional | 01/02/2016 | 15:40:00 | 13 |
| 06722> | Regional | 01/02/2016 | 15:50:00 | 13 |
| 06723> | Regional | 01/02/2016 | 16:00:00 | 13 |
| 06724> | Regional | 01/02/2016 | 16:10:00 | 17 |
| 06725> | Regional | 01/02/2016 | 16:20:00 | 17 |
| 06726> | Regional | 01/02/2016 | 16:30:00 | 17 |
| 06727> | Regional | 01/02/2016 | 16:40:00 | 17 |
| 06728> | Regional | 01/02/2016 | 16:50:00 | 17 |
| 06729> | Regional | 01/02/2016 | 17:00:00 | 17 |
| 06730> | Regional | 01/02/2016 | 17:10:00 | 13 |
| 06731> | Regional | 01/02/2016 | 17:20:00 | 13 |
| 06732> | Regional | 01/02/2016 | 17:30:00 | 13 |
| 06733> | Regional | 01/02/2016 | 17:40:00 | 13 |
| 06734> | Regional | 01/02/2016 | 17:50:00 | 13 |
| 06735> | Regional | 01/02/2016 | 18:00:00 | 13 |
| 06736> | Regional | 01/02/2016 | 18:10:00 | 23 |
| 06737> | Regional | 01/02/2016 | 18:20:00 | 23 |
| 06738> | Regional | 01/02/2016 | 18:30:00 | 23 |
| 06739> | Regional | 01/02/2016 | 18:40:00 | 23 |
| 06740> | Regional | 01/02/2016 | 18:50:00 | 23 |
| 06741> | Regional | 01/02/2016 | 19:00:00 | 23 |
| 06742> | Regional | 01/02/2016 | 19:10:00 | 13 |
| 06743> | Regional | 01/02/2016 | 19:20:00 | 13 |
| 06744> | Regional | 01/02/2016 | 19:30:00 | 13 |
| 06745> | Regional | 01/02/2016 | 19:40:00 | 13 |
| 06746> | Regional | 01/02/2016 | 19:50:00 | 13 |
| 06747> | Regional | 01/02/2016 | 20:00:00 | 13 |
| 06748> | Regional | 01/02/2016 | 20:10:00 | 13 |
| 06749> | Regional | 01/02/2016 | 20:20:00 | 13 |
| 06750> | Regional | 01/02/2016 | 20:30:00 | 13 |
| 06751> | Regional | 01/02/2016 | 20:40:00 | 13 |
| 06752> | Regional | 01/02/2016 | 20:50:00 | 13 |
| 06753> | Regional | 01/02/2016 | 21:00:00 | 13 |
| 06754> | Regional | 01/02/2016 | 21:10:00 | 53 |
| 06755> | Regional | 01/02/2016 | 21:20:00 | 53 |
| 06756> | Regional | 01/02/2016 | 21:30:00 | 53 |
| 06757> | Regional | 01/02/2016 | 21:40:00 | 53 |
| 06758> | Regional | 01/02/2016 | 21:50:00 | 53 |
| 06759> | Regional | 01/02/2016 | 22:00:00 | 53 |
| 06760> | Regional | 01/02/2016 | 22:10:00 | 38 |
| 06761> | Regional | 01/02/2016 | 22:20:00 | 38 |
| 06762> | Regional | 01/02/2016 | 22:30:00 | 38 |
| 06763> | Regional | 01/02/2016 | 22:40:00 | 38 |
| 06764> | Regional | 01/02/2016 | 22:50:00 | 38 |

```

06765> Regional      01/02/2016 23:00:00 38
06766> Regional      01/02/2016 23:10:00 13
06767> Regional      01/02/2016 23:20:00 13
06768> Regional      01/02/2016 23:30:00 13
06769> Regional      01/02/2016 23:40:00 13
06770> Regional      01/02/2016 23:50:00 13
06771> Regional      01/03/2016 00:00:00 13
06772>
06773> [REPORT]
06774> INPUT      YES
06775> CONTROLS   NO
06776> SUBCATCHMENTS ALL
06777> NODES ALL
06778> LINKS ALL
06779>
06780> [TAGS]
06781> Subcatch      A007R1      RearYards
06782> Subcatch      A007R2      RearYards
06783> Subcatch      A008R1      RearYards
06784> Subcatch      A012R1      RearYards
06785> Subcatch      A012R2      RearYards
06786> Subcatch      A014R1      RearYards
06787> Subcatch      A014R2      RearYards
06788> Subcatch      A016R1      RearYards
06789> Subcatch      A019R1      RearYards
06790> Subcatch      A026R1      RearYards
06791> Subcatch      A026R2      RearYards
06792> Subcatch      A027R1      RearYards
06793> Subcatch      A029R1      RearYards
06794> Subcatch      A032R1      RearYards
06795> Subcatch      A032R2      RearYards
06796> Subcatch      A032R3      RearYards
06797> Subcatch      A034R1      RearYards
06798> Subcatch      A034R2      RearYards
06799> Subcatch      A035R1      RearYards
06800> Subcatch      A035R2      RearYards
06801> Subcatch      A036R1      RearYards
06802> Subcatch      A036R2      RearYards
06803> Subcatch      A049R1      RearYards
06804> Subcatch      A058R1      RearYards
06805> Subcatch      A058R2      RearYards
06806> Subcatch      A058R3      RearYards
06807> Subcatch      A059R1      RearYards
06808> Subcatch      A059R2      Cacthment_Routing
06809> Subcatch      A060R1      RearYards
06810> Subcatch      A061R1      RearYards
06811> Subcatch      A061R2      RearYards
06812> Subcatch      A062R1      RearYards
06813> Subcatch      A069R1      RearYards
06814> Subcatch      A069R2      RearYards
06815> Subcatch      A069R3      RearYards
06816> Subcatch      A075R1      RearYards
06817> Subcatch      A075R2      RearYards
06818> Subcatch      A077R1      RearYards
06819> Subcatch      A077R2      RearYards
06820> Subcatch      A082R1      RearYards
06821> Subcatch      A082R2      RearYards
06822> Subcatch      A083R1      RearYards
06823> Subcatch      A084R1      RearYards
06824> Subcatch      A084R2      RearYards
06825> Subcatch      A085R1      RearYards
06826> Subcatch      A092R1      RearYards
06827> Subcatch      A092R2      RearYards
06828> Subcatch      A093R1      RearYards
06829> Subcatch      A093R2      RearYards
06830> Subcatch      A093R3      RearYards
06831> Subcatch      A109R1      Cacthment_Routing
06832> Subcatch      A109R2      Cacthment_Routing
06833> Subcatch      A109R3      Cacthment_Routing
06834> Subcatch      A109R4      Cacthment_Routing
06835> Subcatch      A119R1      RearYards
06836> Subcatch      A120R1      RearYards
06837> Subcatch      A120R2      RearYards
06838> Subcatch      A500R1      RearYards
06839> Subcatch      A5010R1     RearYards
06840> Subcatch      A502R1      RearYards
06841> Subcatch      A502R2      RearYards
06842> Subcatch      A502R3      RearYards
06843> Subcatch      A503R1      RearYards
06844> Subcatch      A505R1      RearYards
06845> Subcatch      A505R3      RearYards
06846> Subcatch      A506R1      RearYards
06847> Subcatch      A507R1      RearYards
06848> Subcatch      A508R1      RearYards
06849> Subcatch      A508R2      RearYards
06850> Subcatch      A508R3      RearYards
06851> Subcatch      A509R1      RearYards
06852> Subcatch      A509R2      RearYards
06853> Subcatch      A509R3      RearYards

```


APPENDIX

C

PCSWMM Model Schematic

Manhole Loss Coefficient Nomograph and Table

JFSA

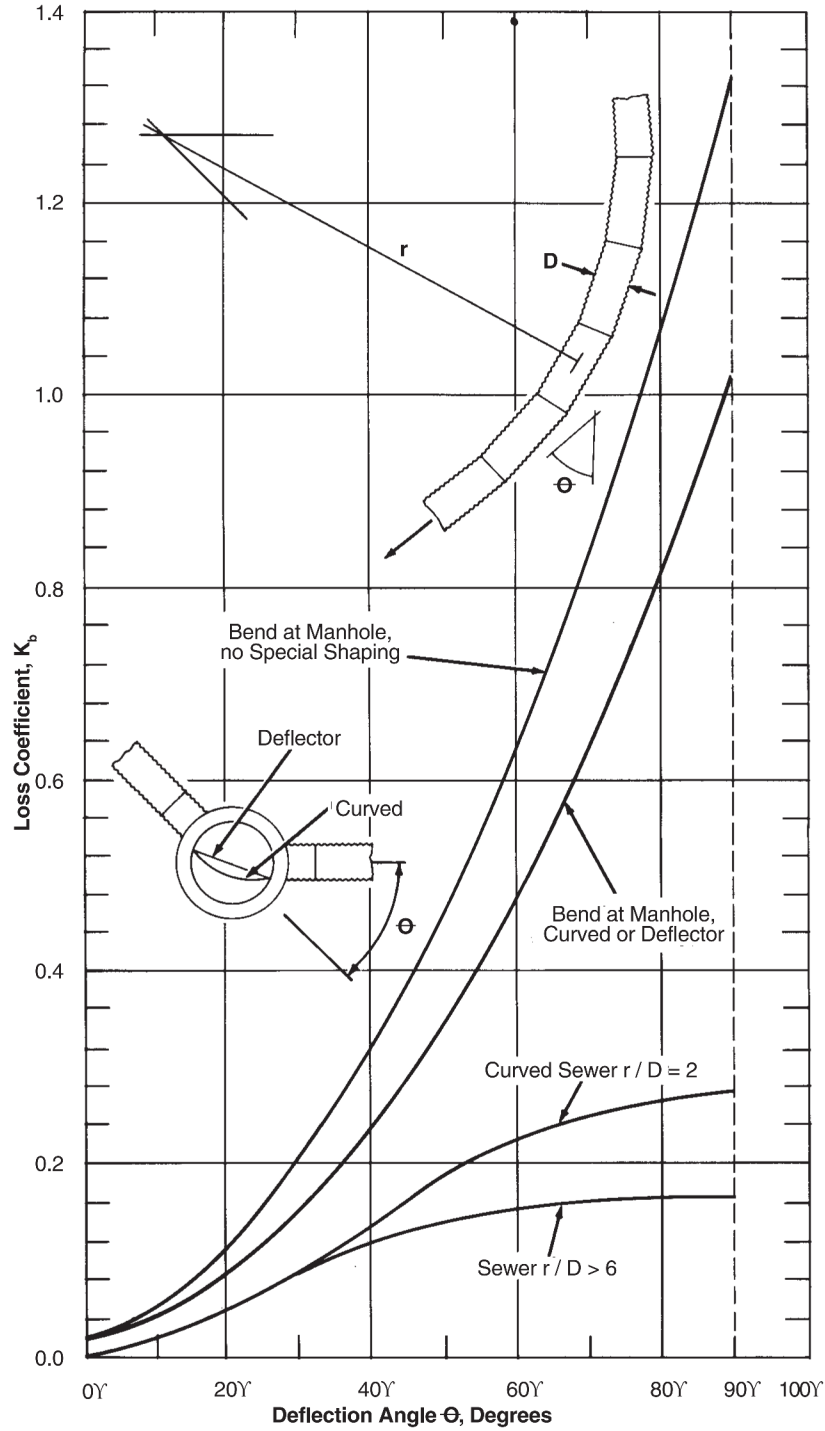
Water Resources and
Environmental Consultants



Figure C-1: PCSWMM MODEL SCHEMATIC



MANHOLE LOSS COEFFICIENT NOMOGRAPH AND TABLE



| Angle | Exit Loss |
|-------|-----------|
| 0 | 0.02 |
| 5 | 0.035 |
| 10 | 0.055 |
| 15 | 0.08 |
| 20 | 0.11 |
| 25 | 0.16 |
| 30 | 0.21 |
| 35 | 0.26 |
| 40 | 0.32 |
| 45 | 0.39 |
| 50 | 0.47 |
| 55 | 0.54 |
| 60 | 0.635 |
| 65 | 0.73 |
| 70 | 0.84 |
| 75 | 0.95 |
| 80 | 1.07 |
| 85 | 1.19 |
| 90 | 1.33 |

Figure 4.13 Sewer bend loss coefficient¹⁶

APPENDIX

D

Tables and Calculation Sheets

JFSA

Water Resources and
Environmental Consultants



Table D-1: Approach Flows and Captured Flows for the 100-Year Chicago Storm

| PCSWMM Subcatch. ID | Approach Flow (m ³ /s) | Captured Flow (m ³ /s) | PCSWMM Subcatch. ID | Approach Flow (m ³ /s) | Captured Flow (m ³ /s) | PCSWMM Subcatch. ID | Approach Flow (m ³ /s) | Captured Flow (m ³ /s) |
|---------------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|-----------------------------------|
| A001SE | 0.551 | 0.159 | A034SE | 0.379 | 0.320 | A072NE | 0.329 | 0.143 |
| A003DV1 | 0.120 | 0.120 | A035R1 | 0.084 | 0.077 | A073NE | 0.252 | 0.283 |
| A003DV2 | 0.100 | 0.100 | A035R2 | 0.094 | 0.086 | A075NW | 0.429 | 0.146 |
| A003NE | 0.281 | 0.281 | A036R1 | 0.090 | 0.076 | A075R1 | 0.073 | 0.087 |
| A003NW | 0.141 | 0.053 | A036R2 | 0.090 | 0.077 | A075R2 | 0.175 | 0.077 |
| A006SW | 0.281 | 0.141 | A036SE | 0.374 | 0.141 | A075SW | 0.432 | 0.420 |
| A007R1 | 0.082 | 0.070 | A037NE | 0.374 | 0.141 | A077NE | 0.038 | 0.019 |
| A007R2 | 0.082 | 0.076 | A040NE | 0.142 | 0.049 | A077R1 | 0.073 | 0.063 |
| A007SE | 0.161 | 0.051 | A040SE | 0.201 | 0.216 | A077R2 | 0.064 | 0.055 |
| A007SW | 0.281 | 0.141 | A043NE | 0.236 | 0.124 | A078NE | 0.169 | 0.167 |
| A008R1 | 0.061 | 0.062 | A043SE | 0.236 | 0.124 | A079DV1 | 0.402 | 0.173 |
| A010DV1 | 0.443 | 0.227 | A044NE | 0.277 | 0.217 | A079NE | 0.481 | 0.140 |
| A011NE | 0.328 | 0.327 | A045NE | 0.162 | 0.136 | A080NE | 0.474 | 0.370 |
| A012NE | 0.227 | 0.221 | A048NE | 0.341 | 0.147 | A082NW | 0.285 | 0.123 |
| A012R1 | 0.090 | 0.066 | A048SE | 0.341 | 0.209 | A082R1 | 0.030 | 0.041 |
| A012R2 | 0.071 | 0.056 | A049NW | 0.664 | 0.233 | A082R2 | 0.032 | 0.042 |
| A013NE | 0.191 | 0.261 | A049R1 | 0.060 | 0.049 | A083R1 | 0.042 | 0.042 |
| A014NE | 0.529 | 0.085 | A051SE | 0.020 | 0.009 | A084NW | 0.285 | 0.123 |
| A014R1 | 0.072 | 0.094 | A052DV1 | 0.482 | 0.249 | A084R1 | 0.080 | 0.088 |
| A014R2 | 0.080 | 0.058 | A052NE | 0.424 | 0.404 | A084R2 | 0.045 | 0.044 |
| A014SW | 0.529 | 0.085 | A055NE | 0.047 | 0.007 | A085NE | 0.388 | 0.420 |
| A016NE | 0.468 | 0.082 | A055SW | 0.187 | 0.095 | A085R1 | 0.090 | 0.095 |
| A016R1 | 0.070 | 0.055 | A056NE | 0.129 | 0.129 | A087NE | 0.305 | 0.350 |
| A017NE | 0.403 | 0.064 | A058HC1 | 1.008 | 0.331 | A088NE | 0.350 | 0.065 |
| A019NE | 0.457 | 0.078 | A058NW | 0.433 | 0.098 | A090NE | 0.217 | 0.202 |
| A019R1 | 0.079 | 0.051 | A058PK1 | 1.008 | 0.331 | A090NW | 0.170 | 0.041 |
| A020NE | 0.605 | 0.048 | A058R1 | 1.008 | 0.331 | A090W | 0.123 | 0.030 |
| A021NE | 0.103 | 0.052 | A058R2 | 1.008 | 0.331 | A091NE | 0.170 | 0.041 |
| A022NE | 0.276 | 0.281 | A058R3 | 1.008 | 0.331 | A092R1 | 0.030 | 0.027 |
| A025NE | 0.251 | 0.065 | A059NE | 0.374 | 0.141 | A092R2 | 0.060 | 0.053 |
| A026R1 | 0.070 | 0.054 | A059PK1 | 0.167 | 0.038 | A093NE | 0.065 | 0.026 |
| A026R2 | 0.070 | 0.062 | A059R1 | 0.060 | 0.051 | A093NW | 0.141 | 0.122 |
| A027NE | 0.058 | 0.058 | A059R2 | 0.050 | 0.050 | A093R1 | 0.094 | 0.085 |
| A027R1 | 0.080 | 0.068 | A060NE | 0.307 | 0.068 | A093R2 | 0.107 | 0.108 |
| A028NE | 0.579 | 0.042 | A060R1 | 0.092 | 0.075 | A093R3 | 0.050 | 0.046 |
| A029R1 | 0.100 | 0.090 | A061R1 | 0.080 | 0.068 | A094N1 | 0.054 | 0.054 |
| A030NE | 0.250 | 0.141 | A061R2 | 0.074 | 0.063 | A094NE | 0.291 | 0.290 |
| A032NW | 0.408 | 0.195 | A062NE | 0.066 | 0.065 | A094SE | 0.105 | 0.105 |
| A032R1 | 0.070 | 0.065 | A062NW | 0.066 | 0.065 | A097NE | 0.350 | 0.291 |
| A032R2 | 0.042 | 0.038 | A062R1 | 0.060 | 0.051 | A105NE | 0.085 | 0.025 |
| A032R3 | 0.050 | 0.045 | A062SE | 0.078 | 0.035 | A105SE | 0.040 | 0.040 |
| A032SC1 | 0.525 | 0.240 | A063SW | 0.081 | 0.081 | A106NE | 0.250 | 0.141 |
| A032SW | 0.505 | 0.477 | A067NE | 0.433 | 0.281 | A109DV1 | 0.140 | 0.140 |
| A034R1 | 0.080 | 0.063 | A069R1 | 0.083 | 0.078 | A109DV2 | 0.050 | 0.050 |
| A034R2 | 0.090 | 0.077 | A069R2 | 0.090 | 0.084 | A109DV3 | 0.250 | 0.250 |
| A034SC1 | 0.507 | 0.232 | A069R3 | 0.104 | 0.100 | A109DV4 | 0.130 | 0.130 |

Table D-1: Approach Flows and Captured Flows for the 100-Year Chicago Storm

| PCSWMM Subcatch. ID | Approach Flow (m ³ /s) | Captured Flow (m ³ /s) | PCSWMM Subcatch. ID | Approach Flow (m ³ /s) | Captured Flow (m ³ /s) | PCSWMM Subcatch. ID | Approach Flow (m ³ /s) | Captured Flow (m ³ /s) |
|---------------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|-----------------------------------|
| A109NE | 0.048 | 0.017 | A508R3 | 0.033 | 0.032 | APONDR1 | 0.140 | 0.140 |
| A109R1 | 0.030 | 0.030 | A509R1 | 0.030 | 0.029 | APONDR2 | 0.140 | 0.140 |
| A109R2 | 0.020 | 0.020 | A509R2 | 0.030 | 0.025 | APONDR3 | 0.100 | 0.100 |
| A109R3 | 0.050 | 0.050 | A509R3 | 0.024 | 0.024 | APONDWK1 | 0.010 | 0.010 |
| A109R4 | 0.030 | 0.030 | A510WK1 | 0.010 | 0.010 | APONDWK2 | 0.010 | 0.010 |
| A109W1 | 0.100 | 0.054 | A802NE | 0.156 | 0.077 | ATURTLE | 0.500 | 0.500 |
| A109W2 | 0.100 | 0.054 | A805NE | 0.300 | 0.291 | | | |
| A109WK1 | 0.277 | 0.217 | A805NW | 0.300 | 0.291 | | | |
| A109WK2 | 0.236 | 0.124 | A805SE | 0.300 | 0.291 | | | |
| A109WK3 | 0.341 | 0.147 | A806NE | 0.190 | 0.190 | | | |
| A111NE | 0.169 | 0.220 | ABGRD01 | 0.530 | 0.338 | | | |
| A112NE | 0.221 | 0.070 | ABGRD02_1 | 0.368 | 0.050 | | | |
| A113NE | 0.605 | 0.048 | ABGRD02_2 | 0.436 | 0.190 | | | |
| A115NE | 0.318 | 0.324 | ACREEK10 | 0.050 | 0.000 | | | |
| A115NW | 0.678 | 0.071 | ACREEK2 | 0.100 | 0.000 | | | |
| A116NE | 0.134 | 0.039 | ACREEK3 | 0.080 | 0.000 | | | |
| A116NW | 0.318 | 0.324 | ACREEK4 | 0.010 | 0.000 | | | |
| A117NE | 0.134 | 0.039 | ACREEK5A | 0.090 | 0.000 | | | |
| A119NE | 0.112 | 0.112 | ACREEK5B | 0.140 | 0.000 | | | |
| A119R1 | 0.060 | 0.056 | ACREEK6A | 0.240 | 0.000 | | | |
| A120NW | 0.362 | 0.195 | ACREEK6B | 0.050 | 0.000 | | | |
| A120R1 | 0.070 | 0.050 | ACREEK7A | 0.060 | 0.000 | | | |
| A120R2 | 0.093 | 0.065 | ACREEK7B | 0.529 | 0.000 | | | |
| A200NE | 0.064 | 0.063 | ACREEK8 | 0.070 | 0.000 | | | |
| A201DV1 | 0.616 | 0.291 | ACREEK9 | 0.140 | 0.000 | | | |
| A201NE | 0.417 | 0.077 | ACREEKPK1 | 0.100 | 0.000 | | | |
| A203NE | 0.314 | 0.313 | ACREEKPK2 | 0.060 | 0.000 | | | |
| A500R1 | 0.063 | 0.043 | ACREEKR1 | 0.060 | 0.000 | | | |
| A5010HC1 | 0.084 | 0.082 | ACREEKR4 | 0.040 | 0.000 | | | |
| A5010R1 | 0.084 | 0.030 | ANHS-1 | 0.070 | 0.000 | | | |
| A501R1 | 0.040 | 0.039 | ANHS-2 | 0.130 | 0.000 | | | |
| A501R2 | 0.070 | 0.065 | ANHS-3 | 0.200 | 0.000 | | | |
| A502HC1 | 0.141 | 0.118 | ANHS-4 | 0.060 | 0.000 | | | |
| A502HC2 | 0.076 | 0.075 | ANHS-5 | 0.090 | 0.000 | | | |
| A502R1 | 0.076 | 0.075 | AOUT00 | 0.040 | 0.000 | | | |
| A502R2 | 0.141 | 0.118 | AOUT-E1 | 0.080 | 0.000 | | | |
| A502R3 | 0.021 | 0.020 | AOUT-E2 | 0.190 | 0.000 | | | |
| A503HC1 | 0.095 | 0.093 | AOUT-E3 | 0.070 | 0.000 | | | |
| A503R1 | 0.095 | 0.093 | AOUT-N1 | 0.101 | 0.000 | | | |
| A505R1 | 0.030 | 0.026 | AOUT-N2 | 0.070 | 0.000 | | | |
| A505R2 | 0.040 | 0.039 | AOUT-N3 | 0.020 | 0.000 | | | |
| A505R3 | 0.022 | 0.022 | AOUTNR1 | 0.020 | 0.000 | | | |
| A506R1 | 0.050 | 0.046 | AOUTSR1 | 0.107 | 0.108 | | | |
| A507R1 | 0.030 | 0.026 | AOUTSR2 | 0.107 | 0.042 | | | |
| A508R1 | 0.023 | 0.022 | AOUT-W1 | 0.436 | 0.190 | | | |
| A508R2 | 0.030 | 0.026 | APOND1 | 0.800 | 0.800 | | | |

Table D-2: Major System Flow Depths for the 100-Year Chicago Storm

| PCSWMM Subcatch. ID | Depth (cm) | PCSWMM Subcatch. ID | Depth (cm) | PCSWMM Subcatch. ID | Depth (cm) | PCSWMM Subcatch. ID | Depth (cm) | PCSWMM Subcatch. ID | Depth (cm) |
|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|
| A001SE | 12.7 | A044NE | 14.2 | A087NE | 8.2 | A502HC2 | 0.0 | AOUT-W1 | N/A |
| A003DV1 | N/A | A045NE | 7.7 | A088NE | 9.4 | A502R1 | N/A | APOND1 | N/A |
| A003DV2 | N/A | A048NE | 11.7 | A090NE | 9.8 | A502R2 | N/A | APONDR1 | N/A |
| A003NE | 7.2 | A048SE | 8.5 | A090NW | 5.9 | A502R3 | N/A | APONDR2 | N/A |
| A003NW | 7.9 | A049NW | 17.2 | A090W | 5.0 | A503HC1 | 0.0 | APONDR3 | N/A |
| A006SW | 8.0 | A049R1 | N/A | A091NE | 6.4 | A503R1 | N/A | APONDWK1 | 0.0 |
| A007R1 | N/A | A051SE | 5.9 | A092R1 | N/A | A505R1 | N/A | APONDWK2 | 1.0 |
| A007R2 | N/A | A052DV1 | 10.5 | A092R2 | N/A | A505R2 | N/A | ATURTLE | N/A |
| A007SE | 8.0 | A052NE | 10.8 | A093NE | 5.4 | A505R3 | N/A | | |
| A007SW | 8.0 | A055NE | 5.4 | A093NW | 7.9 | A506R1 | N/A | | |
| A008R1 | N/A | A055SW | 3.9 | A093R1 | N/A | A507R1 | N/A | | |
| A010DV1 | 11.4 | A056NE | 7.2 | A093R2 | N/A | A508R1 | N/A | | |
| A011NE | 8.5 | A058HC1 | 14.7 | A093R3 | N/A | A508R2 | N/A | | |
| A012NE | 10.8 | A058NW | 8.5 | A094N1 | 6.2 | A508R3 | N/A | | |
| A012R1 | N/A | A058PK1 | N/A | A094NE | 10.8 | A509R1 | N/A | | |
| A012R2 | N/A | A058R1 | N/A | A094SE | 5.9 | A509R2 | N/A | | |
| A013NE | 18.8 | A058R2 | N/A | A097NE | 9.4 | A509R3 | N/A | | |
| A014NE | 12.4 | A058R3 | 14.7 | A105NE | 5.5 | A510WK1 | N/A | | |
| A014R1 | N/A | A059NE | 17.5 | A105SE | 5.2 | A802NE | 8.3 | | |
| A014R2 | N/A | A059PK1 | 6.6 | A106NE | 7.6 | A805NE | 10.8 | | |
| A014SW | 12.4 | A059R1 | N/A | A109DV1 | N/A | A805NW | 10.8 | | |
| A016NE | 12.4 | A059R2 | N/A | A109DV2 | N/A | A805SE | 3.2 | | |
| A016R1 | N/A | A060NE | 9.8 | A109DV3 | N/A | A806NE | 8.5 | | |
| A017NE | 11.8 | A060R1 | N/A | A109DV4 | N/A | ABGRD01 | 9.0 | | |
| A019NE | 19.3 | A061R1 | N/A | A109NE | 4.0 | ABGRD02_1 | N/A | | |
| A019R1 | N/A | A061R2 | N/A | A109R1 | N/A | ABGRD02_2 | N/A | | |
| A020NE | 14.7 | A062NE | 6.2 | A109R2 | N/A | ACREEK10 | N/A | | |
| A021NE | 7.5 | A062NW | 6.2 | A109R3 | N/A | ACREEK2 | N/A | | |
| A022NE | 10.3 | A062R1 | N/A | A109R4 | N/A | ACREEK3 | N/A | | |
| A025NE | 10.2 | A062SE | 8.2 | A109W1 | 5.6 | ACREEK4 | N/A | | |
| A026R1 | N/A | A063SW | 8.8 | A109W2 | 5.6 | ACREEK5A | N/A | | |
| A026R2 | N/A | A067NE | 10.8 | A109WK1 | N/A | ACREEK5B | N/A | | |
| A027NE | 6.4 | A069R1 | N/A | A109WK2 | N/A | ACREEK6A | N/A | | |
| A027R1 | N/A | A069R2 | N/A | A109WK3 | N/A | ACREEK6B | N/A | | |
| A028NE | 13.9 | A069R3 | N/A | A111NE | 7.0 | ACREEK7A | N/A | | |
| A029R1 | N/A | A072NE | 9.3 | A112NE | 7.1 | ACREEK7B | N/A | | |
| A030NE | 7.6 | A073NE | 7.7 | A113NE | 12.2 | ACREEK8 | N/A | | |
| A032NW | 17.5 | A075NW | 11.6 | A115NE | 6.6 | ACREEK9 | N/A | | |
| A032R1 | N/A | A075R1 | N/A | A115NW | 12.2 | ACREEKPK1 | N/A | | |
| A032R2 | N/A | A075R2 | N/A | A116NE | 6.6 | ACREEKPK2 | N/A | | |
| A032R3 | N/A | A075SW | 14.4 | A116NW | 6.6 | ACREEKR1 | N/A | | |
| A032SC1 | 12.6 | A077NE | 6.2 | A117NE | 6.6 | ACREEKR4 | N/A | | |
| A032SW | 14.2 | A077R1 | N/A | A119NE | 4.1 | ANHS-1 | N/A | | |
| A034R1 | N/A | A077R2 | N/A | A119R1 | N/A | ANHS-2 | N/A | | |
| A034R2 | N/A | A078NE | 6.4 | A120NW | 24.7 | ANHS-3 | N/A | | |
| A034SC1 | 9.8 | A079DV1 | 12.3 | A120R1 | N/A | ANHS-4 | N/A | | |
| A034SE | 12.4 | A079NE | 12.1 | A120R2 | N/A | ANHS-5 | N/A | | |
| A035R1 | N/A | A080NE | 19.2 | A200NE | 9.0 | AOUT00 | N/A | | |
| A035R2 | N/A | A082NW | 8.0 | A201DV1 | 11.4 | AOUT-E1 | N/A | | |
| A036R1 | N/A | A082R1 | N/A | A201NE | 10.8 | AOUT-E2 | N/A | | |
| A036R2 | N/A | A082R2 | N/A | A203NE | 11.6 | AOUT-E3 | N/A | | |
| A036SE | 8.2 | A083R1 | N/A | A500R1 | N/A | AOUT-N1 | N/A | | |
| A037NE | 9.8 | A084NW | 9.3 | A5010HC1 | 0.0 | AOUT-N2 | N/A | | |
| A040NE | 12.9 | A084R1 | N/A | A5010R1 | N/A | AOUT-N3 | N/A | | |
| A040SE | 12.9 | A084R2 | N/A | A501R1 | N/A | AOUTNR1 | N/A | | |
| A043NE | 9.0 | A085NE | 11.3 | A501R2 | N/A | AOUTSR1 | N/A | | |
| A043SE | 9.0 | A085R1 | N/A | A502HC1 | 6.6 | AOUTSR2 | N/A | | |

⁽¹⁾ The flow depths were estimated using PCSWMM

Table D-3: Capacity of Grates

| Water Depth H (m) | Q _{captured} (L/s) | |
|----------------------------|-----------------------------|-----------------|
| | OPSD 400.01 | |
| | SINGLE * (L/s) | TWIN * (L/s) |
| 0.00 | 0 | 0 |
| 0.01 | 1 | 1 |
| 0.02 | 2 | 3 |
| 0.03 | 4 | 5 |
| 0.04 | 7 | 9 |
| 0.05 | 11 | 16 |
| 0.06 | 16 | 27 |
| 0.07 | 20 | 36 |
| 0.08 | 36 | 54 |
| 0.09 | 48 | 71 |
| 0.10 | 61 | 91 |
| 0.11 | 73 | 109 |
| 0.12 | 86 | 127 |
| 0.13 | 99 | 140 |
| 0.14 | 109 | 155 |
| 0.15 | 120 | 169 |
| 0.16 | 129 | 183 |
| 0.17 | 136 | 196 |
| 0.18 | 145 | 211 |
| 0.19 | 150 | 228 |
| 0.20 | 156 | 243 |
| 0.21 | 161 | 259 |
| 0.22 | 167 | 275 |
| 0.23 | 172 | 291 |
| 0.24 | 176 | 307 |
| 0.25 | 181 | 322 |
| 0.26 | 186 | 337 |
| 0.27 | 189 | 354 |
| 0.28 | 194 | 371 |
| 0.29 | 199 | 387 |
| 0.30 | 202 | 403 |

* From MTO Drainage Management Manual (1997),
Design Chart 4.19

Table D-4: Capacity of Lead Pipes

| Head (m) | Release Rate (L/s) by Pipe Diameter (mm) | | | | | | |
|----------|--|------|-------|-------|-------|-------|-------|
| | 100 | 150 | 200 | 250 | 300 | 375 | 450 |
| 0.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.050 | 6.4 | 14.4 | 25.5 | 39.9 | 57.4 | 89.7 | 129.2 |
| 0.100 | 9.0 | 20.3 | 36.1 | 56.4 | 81.2 | 126.9 | 182.7 |
| 0.150 | 11.0 | 24.9 | 44.2 | 69.1 | 99.4 | 155.4 | 223.7 |
| 0.200 | 12.8 | 28.7 | 51.0 | 79.7 | 114.8 | 179.4 | 258.3 |
| 0.250 | 14.3 | 32.1 | 57.1 | 89.1 | 128.4 | 200.6 | 288.8 |
| 0.300 | 15.6 | 35.2 | 62.5 | 97.7 | 140.6 | 219.7 | 316.4 |
| 0.350 | 16.9 | 38.0 | 67.5 | 105.5 | 151.9 | 237.3 | 341.8 |
| 0.400 | 18.0 | 40.6 | 72.2 | 112.8 | 162.4 | 253.7 | 365.3 |
| 0.450 | 19.1 | 43.1 | 76.5 | 119.6 | 172.2 | 269.1 | 387.5 |
| 0.500 | 20.2 | 45.4 | 80.7 | 126.1 | 181.5 | 283.7 | 408.5 |
| 0.550 | 21.2 | 47.6 | 84.6 | 132.2 | 190.4 | 297.5 | 428.4 |
| 0.600 | 22.1 | 49.7 | 88.4 | 138.1 | 198.9 | 310.7 | 447.5 |
| 0.650 | 23.0 | 51.7 | 92.0 | 143.7 | 207.0 | 323.4 | 465.7 |
| 0.700 | 23.9 | 53.7 | 95.5 | 149.2 | 214.8 | 335.6 | 483.3 |
| 0.750 | 24.7 | 55.6 | 98.8 | 154.4 | 222.3 | 347.4 | 500.3 |
| 0.800 | 25.5 | 57.4 | 102.1 | 159.5 | 229.6 | 358.8 | 516.7 |
| 0.850 | 26.3 | 59.2 | 105.2 | 164.4 | 236.7 | 369.8 | 532.6 |
| 0.900 | 27.1 | 60.9 | 108.3 | 169.1 | 243.6 | 380.6 | 548.0 |
| 0.950 | 27.8 | 62.6 | 111.2 | 173.8 | 250.2 | 391.0 | 563.0 |
| 1.000 | 28.5 | 64.2 | 114.1 | 178.3 | 256.7 | 401.2 | 577.7 |
| 1.050 | 29.2 | 65.8 | 116.9 | 182.7 | 263.1 | 411.1 | 591.9 |
| 1.100 | 29.9 | 67.3 | 119.7 | 187.0 | 269.3 | 420.7 | 605.9 |
| 1.150 | 30.6 | 68.8 | 122.4 | 191.2 | 275.3 | 430.2 | 619.5 |
| 1.200 | 31.2 | 70.3 | 125.0 | 195.3 | 281.2 | 439.4 | 632.8 |
| 1.250 | 31.9 | 71.8 | 127.6 | 199.3 | 287.0 | 448.5 | 645.9 |
| 1.300 | 32.5 | 73.2 | 130.1 | 203.3 | 292.7 | 457.4 | 658.6 |
| 1.350 | 33.1 | 74.6 | 132.6 | 207.2 | 298.3 | 466.1 | 671.2 |
| 1.400 | 33.8 | 75.9 | 135.0 | 211.0 | 303.8 | 474.7 | 683.5 |
| 1.450 | 34.4 | 77.3 | 137.4 | 214.7 | 309.2 | 483.1 | 695.6 |
| 1.500 | 34.9 | 78.6 | 139.8 | 218.4 | 314.4 | 491.3 | 707.5 |
| 1.550 | 35.5 | 79.9 | 142.1 | 222.0 | 319.6 | 499.4 | 719.2 |
| 1.600 | 36.1 | 81.2 | 144.3 | 225.5 | 324.8 | 507.4 | 730.7 |

Short tube orifice coefficient = **0.82**
 Short tube release rate = $C\pi(\text{Dia}/1000)^2/4 \times (2 \times 9.81 \times H)^{0.5} \times 1000$

Table D-5: Capacity of Ditch Inlet Catchbasins (OPSD 403.010 Grate, OPSD 705.040 Horizontal Catchbasin Type A)

| Water Depth (m) | Release Rate (L/s) by Grate Opening Area (m ²) | | | |
|-----------------|--|---|---|--|
| | 0.6 m x 0.6 m DICB 0.306 m ² Opening Area | 0.6 m x 1.2 m DICB 0.612 m ² Opening Area | 0.9 m x 1.8 m DICB 1.378 m ² Opening Area | 1.8 m Diameter DICB 1.378 m ² Opening Area |
| 0.00 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.01 | 84.0 | 168.1 | 378.2 | 594.0 |
| 0.02 | 118.8 | 237.7 | 534.8 | 840.1 |
| 0.03 | 145.6 | 291.1 | 655.0 | 1028.9 |
| 0.04 | 168.1 | 336.1 | 756.3 | 1188.0 |
| 0.05 | 187.9 | 375.8 | 845.6 | 1328.3 |
| 0.06 | 205.8 | 411.7 | 926.3 | 1455.0 |
| 0.07 | 222.3 | 444.7 | 1000.5 | 1571.6 |
| 0.08 | 237.7 | 475.4 | 1069.6 | 1680.1 |
| 0.09 | 252.1 | 504.2 | 1134.5 | 1782.0 |
| 0.10 | 265.7 | 531.5 | 1195.8 | 1878.4 |
| 0.11 | 278.7 | 557.4 | 1254.2 | 1970.1 |
| 0.12 | 291.1 | 582.2 | 1310.0 | 2057.7 |
| 0.13 | 303.0 | 606.0 | 1363.5 | 2141.7 |
| 0.14 | 314.4 | 628.9 | 1414.9 | 2222.6 |
| 0.15 | 325.5 | 650.9 | 1464.6 | 2300.6 |
| 0.16 | 336.1 | 672.3 | 1512.6 | 2376.0 |
| 0.17 | 346.5 | 693.0 | 1559.2 | 2449.2 |
| 0.18 | 356.5 | 713.1 | 1604.4 | 2520.2 |
| 0.19 | 366.3 | 732.6 | 1648.4 | 2589.2 |
| 0.20 | 375.8 | 751.6 | 1691.2 | 2656.5 |
| 0.21 | 385.1 | 770.2 | 1732.9 | 2722.1 |
| 0.22 | 394.2 | 788.3 | 1773.7 | 2786.2 |
| 0.23 | 403.0 | 806.0 | 1813.6 | 2848.8 |
| 0.24 | 411.7 | 823.4 | 1852.6 | 2910.1 |
| 0.25 | 420.2 | 840.4 | 1890.8 | 2970.1 |
| 0.26 | 428.5 | 857.0 | 1928.2 | 3028.9 |
| 0.27 | 436.7 | 873.3 | 1965.0 | 3086.6 |
| 0.28 | 444.7 | 889.3 | 2001.0 | 3143.2 |
| 0.29 | 452.5 | 905.1 | 2036.5 | 3198.9 |
| 0.30 | 460.3 | 920.6 | 2071.3 | 3253.5 |

Release Rate = $C \times \text{Area} \times (2 \times 9.81 \times H)^{0.5} \times 1000$; Orifice Coefficient (C) = 0.62

Opening Area is 85% of Total Area based on DICB Grating Type OPSD 403.010

Calculation Sheet 1: Flow Depth and Spread at Location with Highest Peak Flow on a Typical Street

| | | | | |
|--------------------------------------|--------------------------|-----------------|--------------------|---|
| Sub-catchment(s) | | A028NE | Comment | |
| Location | | Meadowside Path | 10.5 m wide road | |
| Q _{combined} ⁽²⁾ | | 0.534 | for 100-year event | |
| Tr | (m) | 5.250 | 10.5 m wide road | |
| So | (m/m) | 0.005 | | |
| W | (m) | 0.000 | | |
| Sw | (m/m) | 0.000 | | |
| T | (m) | 5.382 | | |
| Sx | (m/m) | 0.02 | | |
| n _{road} | | 0.013 | | |
| dc | (m) | 0.15 | | |
| Se | (m/m) | 0.035 | | |
| n _{shoulder} | | 0.025 | | |
| dw | (m) | 0.000 | | |
| Ts | (m) | 5.382 | | |
| ds | (m) | 0.108 | | |
| d | (m) | 0.108 | | |
| d _{crow} | (m) | 0.105 | | |
| dd | (m) | 0.003 | | dd > 0.15 m, the max. depth over road crown of an arterial road |
| de | (m) | 0.000 | | |
| Te | (m) | 0.000 | | Flow is contained within ROW |
| Q _{area(A+B)} | (m ³ /s) | 0.000 | | |
| Q _{area(B)} | (m ³ /s) | 0.000 | | |
| Q _{area(A)} | (m ³ /s) | 0.000 | | |
| Q _{area(B+C+D)} | (m ³ /s) | 0.267 | | |
| Q _{area(D)} | (m ³ /s) | 0.000 | | |
| Q _{area(B+C)} | (m ³ /s) | 0.267 | | |
| Q _{area(E)} | (m ³ /s) | 0.000 | | |
| Q _{area(A+B+C+E)} | (m ³ /s) | 0.267 | | |
| Q_{two sides} | (m³/s) | 0.534 | | |
| d _{Flow} ⁽³⁾ | (m) | 0.108 | | d _{flow} < 0.30 m, the maximum allowable depth of flow |
| A _{flow two sides} | (m ²) | 0.579 | | |
| v | (m/s) | 0.923 | | |
| v×d | (m²/s) | 0.099 | | v×d < 0.65 m ² /s |

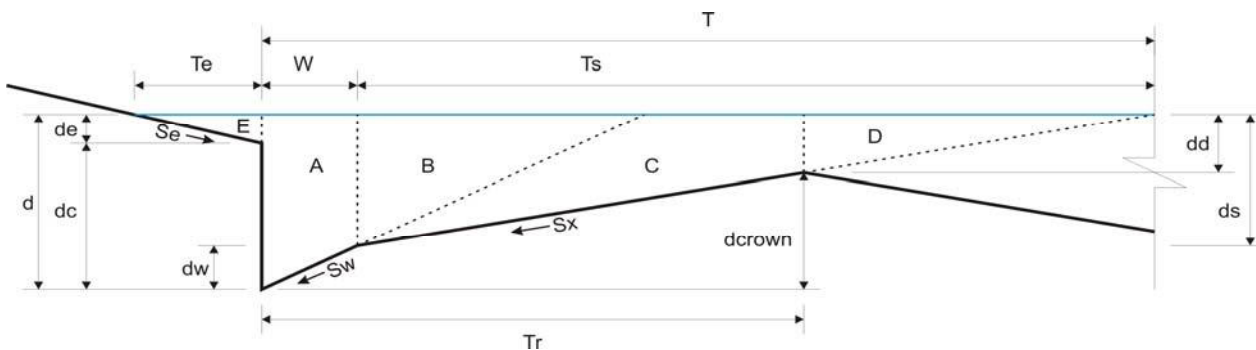
Notes:

(1) 100-year flow from PCSWMM model (Chicago storm).

(2) The computations assume that the total incoming flow is equally divided on both sides on the road.

(3) Computations based on methodology described in MTO Drainage Management Manual, 1997, Ch.4, pp. 59-60.

So is the longitudinal road slope



Equations:

$$Q_{\text{area(A+B)}} = 0.375 \times So^{0.5} \times d^{2.667} / (n_{\text{road}} \times Sw)$$

$$Q_{\text{area(B)}} = 0.375 \times So^{0.5} \times (ds)^{2.667} / (n_{\text{road}} \times Sw)$$

$$Q_{\text{area(B+C+D)}} = 0.375 \times So^{0.5} \times (ds)^{2.667} / (n_{\text{road}} \times Sx)$$

$$Q_{\text{area(D)}} = 0.375 \times So^{0.5} \times (dd)^{2.667} / (n_{\text{road}} \times Sx)$$

$$Q_{\text{area(E)}} = 0.375 \times So^{0.5} \times (de)^{2.667} / (n_{\text{shoulder}} \times Se)$$

CALCULATION SHEET 2A: REQUIRED CAPACITY OF SOUTH OVERLAND FLOW ROUTE

OVERLAND FLOW ROUTE FROM CHARLES CORNWALL AVENUE TO POND - CURB CUT WEIR

| | | |
|---------------------------------------|-------------------------|---|
| Approaching flow = | 0.297 m ³ /s | for 100-yr event (on MAJ road segment) (with 100% blockage of catchbasin grates) |
| Curb cut width = | 6 m | as per DSEL grading plan |
| Curb cut height = | 0.050 m | as per DSEL |
| Maximum flow depth at gutter = | 0.235 m | (0.15 m+0.020×4.25 m = 0.235 m for flow contained within RW) |
| Average head of water over curb cut = | 0.185 m | 0.05 m high curb cut |
| Curb cut weir coefficient = | 1.84 | |
| Maximum flow through curb cut = | 0.878 m ³ /s | for 100-yr event |

Therefore the capacity of the curb cut (0.878 m³/s) is higher than the computed overland flow (0.297 m³/s)

OVERLAND FLOW ROUTE DOWNSTREAM OF CURB CUT

$$Q = 1/n \times AR^{2/3} S^{1/2}$$

| | Min. Slope | | Max. Slope |
|------------------------|------------|-------------------|------------|
| normal depth = | 0.155 | m | 0.043 |
| n = | 0.03 | | 0.03 |
| Channel width = | 3 | m | 3 |
| A (area of flow) = | 0.466 | m ² | 0.128 |
| wetted perimeter = | 3.310 | m | 3.086 |
| R (hydraulic radius) = | 0.141 | m | 0.042 |
| S (slope) = | 0.005 | m/m | 0.333 |
| Q (flow) = | 0.297 | m ³ /s | 0.297 |
| velocity = | 0.64 | m/s | 2.31 |

CALCULATION SHEET 2B: REQUIRED CAPACITY OF WEST OVERLAND FLOW ROUTE

OVERLAND FLOW ROUTE FROM PONDSIDE TRAIL TO POND - CURB CUT WEIR

| | | |
|---------------------------------------|-------------------------|---|
| Approaching flow = | 0.368 m ³ /s | for 100-yr event (on MAJ road segment) (with 100% blockage of catchbasin grates) |
| Curb cut width = | 6 m | as per DSEL grading plan |
| Curb cut height = | 0.050 m | as per DSEL |
| Maximum flow depth at gutter = | 0.235 m | (0.15 m+0.020×4.25 m = 0.235 m for flow contained within RW) |
| Average head of water over curb cut = | 0.185 m | 0.05 m high curb cut |
| Curb cut weir coefficient = | 1.84 | |
| Maximum flow through curb cut = | 0.878 m ³ /s | for 100-yr event |

Therefore the capacity of the curb cut (0.878 m³/s) is higher than the computed overland flow (0.368 m³/s)

OVERLAND FLOW ROUTE DOWNSTREAM OF CURB CUT

$$Q = 1/n \times AR^{2/3} S^{1/2}$$

| | Min. Slope | | Max. Slope |
|------------------------|-------------------|-------------------|-------------------|
| normal depth = | 0.178 | m | 0.049 |
| n = | 0.03 | | 0.03 |
| Channel width = | 3 | m | 3 |
| A (area of flow) = | 0.533 | m ² | 0.146 |
| wetted perimeter = | 3.355 | m | 3.098 |
| R (hydraulic radius) = | 0.159 | m | 0.047 |
| S (slope) = | 0.005 | m/m | 0.333 |
| Q (flow) = | 0.368 | m ³ /s | 0.368 |
| velocity = | 0.69 | m/s | 2.51 |

CALCULATION SHEET 2B: REQUIRED CAPACITY OF NORTH OVERLAND FLOW ROUTE

OVERLAND FLOW ROUTE FROM SAW WHET BOULEVARD TO POND - CURB CUT WEIR

| | | |
|---------------------------------------|-------------------------|---|
| Approaching flow = | 0.112 m ³ /s | for 100-yr event (on MAJ road segment) (with 100% blockage of catchbasin grates) |
| Curb cut width = | 6 m | as per DSEL grading plan |
| Curb cut height = | 0.050 m | as per DSEL |
| Maximum flow depth at gutter = | 0.235 m | (0.15 m+0.020×4.25 m = 0.235 m for flow contained within RW) |
| Average head of water over curb cut = | 0.185 m | 0.05 m high curb cut |
| Curb cut weir coefficient = | 1.84 | |
| Maximum flow through curb cut = | 0.878 m ³ /s | for 100-yr event |

Therefore the capacity of the curb cut (0.878 m³/s) is higher than the computed overland flow (0.112 m³/s)

OVERLAND FLOW ROUTE DOWNSTREAM OF CURB CUT

$$Q = 1/n \times AR^{2/3} S^{1/2}$$

| | Min. Slope | | Max. Slope |
|------------------------|-------------------|-------------------|-------------------|
| normal depth = | 0.085 | m | 0.024 |
| n = | 0.03 | | 0.03 |
| Channel width = | 3 | m | 3 |
| A (area of flow) = | 0.255 | m ² | 0.071 |
| wetted perimeter = | 3.170 | m | 3.047 |
| R (hydraulic radius) = | 0.080 | m | 0.023 |
| S (slope) = | 0.005 | m/m | 0.333 |
| Q (flow) = | 0.112 | m ³ /s | 0.112 |
| velocity = | 0.44 | m/s | 1.57 |

CALCULATION SHEET 2D: REQUIRED CAPACITY OF BRONTE ROAD OVERLAND FLOW ROUTE

OVERLAND FLOW ROUTE FROM BRONTE ROAD TO YELLOW ROSE CIRCLE - CURB CUT WEIR

| | | |
|---------------------------------------|-------------------------|--|
| Approaching flow = | 0.434 m ³ /s | for 100-yr event (on MAJ road segment) |
| Curb overtopping width = | 6 m | as per required capacity |
| Curb height = | 0.150 m | as per DSEL |
| Maximum flow depth at gutter = | 0.300 m | Based on maximum allowable |
| Average head of water over curb cut = | 0.150 m | 0.15 m high curb |
| Curb cut weir coefficient = | 1.84 | |
| Maximum flow through cub cut = | 0.641 m ³ /s | for 100-yr event |

Therefore the capacity of the curb cut (0.641 m³/s) is higher than the computed overland flow (0.434 m³/s)

OVERLAND FLOW ROUTE DOWNSTREAM OF CURB CUT

$$Q = 1/n \times AR^{2/3} S^{1/2}$$

| | Min. Slope | |
|------------------------|-------------------|-------------------|
| normal depth = | 0.090 | m |
| n = | 0.03 | |
| Channel width = | 6 | m |
| A (area of flow) = | 0.540 | m ² |
| wetted perimeter = | 6.180 | m |
| R (hydraulic radius) = | 0.087 | m |
| S (slope) = | 0.015 | m/m |
| Q (flow) = | 0.434 | m ³ /s |
| velocity = | 0.80 | m/s |

CALCULATION SHEET 2E: REQUIRED CAPACITY OF OVERLAND FLOW ROUTE TO CREEK

OVERLAND FLOW ROUTE FROM YELLOW ROSE CIRCLE TO CREEK - CURB CUT WEIR

| | | |
|---------------------------------------|-------------------------|--|
| Approaching flow = | 0.570 m ³ /s | for 100-yr event (on MAJ road segment) |
| Curb cut width = | 8 m | as per DSEL grading plan |
| Curb cut height = | 0.050 m | as per DSEL |
| Maximum flow depth at gutter = | 0.215 m | (0.15 m+0.020×3.25 m = 0.215 m for flow contained within RW) |
| Average head of water over curb cut = | 0.165 m | 0.05 m high curb cut |
| Curb cut weir coefficient = | 1.84 | |
| Maximum flow through cub cut = | 0.987 m ³ /s | for 100-yr event |

Therefore the capacity of the curb cut (0.987 m³/s) is higher than the computed overland flow (0.570 m³/s)

OVERLAND FLOW ROUTE DOWNSTREAM OF CURB CUT

$$Q = 1/n \times AR^{2/3} S^{1/2}$$

| | Min. Slope | | Max. Slope |
|------------------------|-------------------|-------------------|-------------------|
| normal depth = | 0.149 | m | 0.042 |
| n = | 0.03 | | 0.03 |
| Channel width = | 6 | m | 6 |
| A (area of flow) = | 0.892 | m ² | 0.249 |
| wetted perimeter = | 6.297 | m | 6.083 |
| R (hydraulic radius) = | 0.142 | m | 0.041 |
| S (slope) = | 0.005 | m/m | 0.333 |
| Q (flow) = | 0.571 | m ³ /s | 0.571 |
| velocity = | 0.64 | m/s | 2.29 |

CALCULATION SHEET 2F: REQUIRED CAPACITY OF OVERLAND FLOW ROUTE TO CREEK

OVERLAND FLOW ROUTE FROM MEADOWSIDE PATH TO CREEK - CURB CUT WEIR

| | | |
|---------------------------------------|-------------------------|--|
| Approaching flow = | 0.534 m ³ /s | for 100-yr event (on MAJ road segment) |
| Curb cut width = | 12 m | as per DSEL grading plan |
| Curb cut height = | 0.050 m | as per DSEL |
| Maximum flow depth at gutter = | 0.299 m | (0.15 m+0.035×4.25 m = 0.299 m for flow contained within RW) |
| Average head of water over curb cut = | 0.249 m | 0.05 m high curb cut |
| Curb cut weir coefficient = | 1.84 | |
| Maximum flow through curb cut = | 2.739 m ³ /s | for 100-yr event |

Therefore the capacity of the curb cut (2.739 m³/s) is higher than the computed overland flow (0.534 m³/s)

OVERLAND FLOW ROUTE DOWNSTREAM OF CURB CUT

$$Q = 1/n \times AR^{2/3} S^{1/2}$$

| | Min. Slope | | Max. Slope |
|---------------------------------|------------|-------------------|------------|
| normal depth = | 0.203 | m | 0.104 |
| n = | 0.03 | | 0.03 |
| Channel width = | 3 | m | 3 |
| Trapezoidal Side Slope (H:1V) = | 3 | | 3 |
| A (area of flow) = | 0.734 | m ² | 0.346 |
| wetted perimeter = | 4.287 | m | 3.660 |
| R (hydraulic radius) = | 0.171 | m | 0.094 |
| S (slope) = | 0.005 | m/m | 0.050 |
| Q (flow) = | 0.534 | m ³ /s | 0.534 |
| velocity = | 0.73 | m/s | 1.55 |

CALCULATION SHEET 2G: REQUIRED CAPACITY OF FUTURE OVERLAND FLOW ROUTE

OVERLAND FLOW ROUTE FROM FUTURE CONDO BLOCK TO CREEK - CURB CUT WEIR

| | | |
|---------------------------------------|-------------------------|--|
| Approaching flow = | 0.438 m ³ /s | for 100-yr event (on MAJ road segment) |
| Curb cut width = | 6 m | as per DSEL grading plan |
| Curb cut height = | 0.050 m | as per DSEL |
| Maximum flow depth at gutter = | 0.235 m | (0.15 m+0.020×4.25 m = 0.235 m for flow contained within RW) |
| Average head of water over curb cut = | 0.185 m | 0.05 m high curb cut |
| Curb cut weir coefficient = | 1.84 | |
| Maximum flow through curb cut = | 0.878 m ³ /s | for 100-yr event |

Therefore the capacity of the curb cut (0.878 m³/s) is higher than the computed overland flow (0.438 m³/s)

OVERLAND FLOW ROUTE DOWNSTREAM OF CURB CUT

$$Q = 1/n \times AR^{2/3} S^{1/2}$$

| | Min. Slope | | Max. Slope |
|------------------------|------------|-------------------|------------|
| normal depth = | 0.126 | m | 0.035 |
| n = | 0.03 | | 0.03 |
| Channel width = | 6 | m | 6 |
| A (area of flow) = | 0.758 | m ² | 0.213 |
| wetted perimeter = | 6.253 | m | 6.071 |
| R (hydraulic radius) = | 0.121 | m | 0.035 |
| S (slope) = | 0.005 | m/m | 0.333 |
| Q (flow) = | 0.438 | m ³ /s | 0.438 |
| velocity = | 0.58 | m/s | 2.06 |

Calculation Sheet 3A: Required Grate and Lead Pipe at 100-Year Intake

MAJOR SYSTEM SEGMENT : A105SE (SAW WHET BOULEVARD)

Max. Depth Above Crown = 0.150 m

Q_{approach 100-yr A105SE} = 41 L/s

Max. Allowable Depth at Gutter = 0.235 m

Type of Grates : TWIN OPSD 400.01

Scenario: No Blockage

| Location | No. of DCBs | Maximum All.Head (m) | Maximum Capture (L/s) | Dia. Of Lead Pipe (m) | Head on Lead Pipe (m) | Capacity of Single Lead Pipe (L/s) | No. of Lead Pipes | Max Flow by Lead Pipe (L/s) | Capacity of All Lead Pipes (L/s) |
|---------------|-------------|----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|-------------------|-----------------------------|----------------------------------|
| Lot 346 / 443 | 2 | 0.235 | 599 | 300 | 1.435 | 308 | 1 | 41 | 308 |
| | | | 599 | | > 41 | | | | 308 |

Scenario: 50% Blockage

| Location | No. of DCBs | Maximum All.Head (m) | Maximum Capture (L/s) | Dia. Of Lead Pipe (m) | Head on Lead Pipe (m) | Capacity of Single Lead Pipe (L/s) | No. of Lead Pipes | Max Flow by Lead Pipe (L/s) | Capacity of All Lead Pipes (L/s) |
|---------------|-------------|----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|-------------------|-----------------------------|----------------------------------|
| Lot 346 / 443 | 2 | 0.235 | 299 | 300 | 1.435 | 308 | 1 | 41 | 308 |
| | | | 299 | | > 41 | | | | 308 |

Calculation Sheet 3B: Required Grate and Lead Pipe at 100-Year Intake

MAJOR SYSTEM SEGMENT : ACREEK7B (BLOCK 491)

Max. Depth Above Crown = N/A m

Q_{approach 100-yr ACREEK9} = 547 L/s

Max. Allowable Depth Over DICB = 0.300 m

Type of Grates : DICB OPSD 403.01 / TOWN STD 3-1 (1.8 m Diameter)

Scenario: No Blockage

| Location | No. of DICBs | Maximum All.Head (m) | Maximum Capture (L/s) | Dia. Of Lead Pipe (m) | Head on Lead Pipe (m) | Capacity of Single Lead Pipe (L/s) | No. of Lead Pipes | Max Flow by Lead Pipe (L/s) | Capacity of All Lead Pipes (L/s) |
|-----------|--------------|----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|-------------------|-----------------------------|----------------------------------|
| Block 491 | 1 | 0.300 | 3254 | 1500 | 1.350 | 7458 | 1 | 547 | 7458 |
| | | | 3254 | > 547 | | | | | 7458 > 547 |

Scenario: 50% Blockage

| Location | No. of DICBs | Maximum All.Head (m) | Maximum Capture (L/s) | Dia. Of Lead Pipe (m) | Head on Lead Pipe (m) | Capacity of Single Lead Pipe (L/s) | No. of Lead Pipes | Max Flow by Lead Pipe (L/s) | Capacity of All Lead Pipes (L/s) |
|-----------|--------------|----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|-------------------|-----------------------------|----------------------------------|
| Block 491 | 1 | 0.300 | 1627 | 1500 | 1.350 | 7458 | 1 | 547 | 7458 |
| | | | 1627 | > 547 | | | | | 7458 > 547 |

⁽¹⁾ Capacity of Horizontal Grate as per Table D-5.

Calculation Sheet 3C: Required Grate and Lead Pipe at 100-Year Intake

MAJOR SYSTEM SEGMENT : A203NE (OWLSNEST WAY)

Max. Depth Above Crown = 0.150 m

Q_{approach 100-yr A203NE} = 318 L/s

Max. Allowable Depth at Gutter = 0.160 m

Type of Grates : TWIN OPSD 400.01

Scenario: No Blockage

| Location | No. of DCBs | Maximum All.Head (m) | Maximum Capture (L/s) | Dia. Of Lead Pipe (m) | Head on Lead Pipe (m) | Capacity of Single Lead Pipe (L/s) | No. of Lead Pipes | Max Flow by Lead Pipe (L/s) | Capacity of All Lead Pipes (L/s) |
|-----------|-------------|----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|-------------------|-----------------------------|----------------------------------|
| Block 444 | 4 | 0.160 | 731 | 300 | 1.360 | 299 | 2 | 159 | 599 |
| | | | 731 | | | | | | 599 |

> 318

Scenario: 50% Blockage

| Location | No. of DCBs | Maximum All.Head (m) | Maximum Capture (L/s) | Dia. Of Lead Pipe (m) | Head on Lead Pipe (m) | Capacity of Single Lead Pipe (L/s) | No. of Lead Pipes | Max Flow by Lead Pipe (L/s) | Capacity of All Lead Pipes (L/s) |
|-----------|-------------|----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|-------------------|-----------------------------|----------------------------------|
| Block 444 | 4 | 0.160 | 366 | 300 | 1.360 | 299 | 2 | 159 | 599 |
| | | | 366 | | | | | | 599 |

> 318

APPENDIX

E

Oil-and-Grit Separator Sizing Reports

JFSA

Water Resources and
Environmental Consultants





STANDARD OFFLINE Jellyfish Filter Sizing Report

Project Information

| | |
|----------------|------------------------|
| Date | Friday, March 03, 2017 |
| Project Name | 601 North Lands - OGS1 |
| Project Number | |
| Location | Aurora |

Jellyfish Filter Design Overview

This report provides information for the sizing and specification of the Jellyfish Filter. When designed properly in accordance to the guidelines detailed in the Jellyfish Filter Technical Manual, the Jellyfish Filter will exceed the performance and longevity of conventional horizontal bed and granular media filters.

Please see www.ImbriumSystems.com for more information.

Jellyfish Filter System Recommendation

The Jellyfish Filter model JF8-9-2 is recommended to meet the water quality objective by treating a flow of 50.5 L/s, which meets or exceeds 90% of the average annual rainfall runoff volume based on 18 years of TORONTO CENTRAL rainfall data for this site. This model has a sediment capacity of 569 kg, which meets or exceeds the estimated average annual sediment load.

| Jellyfish Model | Number of High-Flo Cartridges | Number of Draindown Cartridges | Manhole Diameter (m) | Treatment Flow Rate (L/s) | Sediment Capacity (kg) |
|-----------------|-------------------------------|--------------------------------|----------------------|---------------------------|------------------------|
| JF8-9-2 | 9 | 2 | 2.4 | 50.5 | 569 |

The Jellyfish Filter System

The patented Jellyfish Filter is an engineered stormwater quality treatment technology featuring unique membrane filtration in a compact stand-alone treatment system that removes a high level and wide variety of stormwater pollutants. Exceptional pollutant removal is achieved at high treatment flow rates with minimal head loss and low maintenance costs. Each lightweight Jellyfish Filter cartridge contains an extraordinarily large amount of membrane surface area, resulting in superior flow capacity and pollutant removal capacity.

Maintenance

Regular scheduled inspections and maintenance is necessary to assure proper functioning of the Jellyfish Filter. The maintenance interval is designed to be a minimum of 12 months, but this will vary depending on site loading conditions and upstream pretreatment measures. Quarterly inspections and inspections after all storms beyond the 5-year event are recommended until enough historical performance data has been logged to comfortably initiate an alternative inspection interval.

Please see www.ImbriumSystems.com for more information.

Thank you for the opportunity to present this information to you and your client.

Performance

Jellyfish efficiently captures a high level of Stormwater pollutants, including:

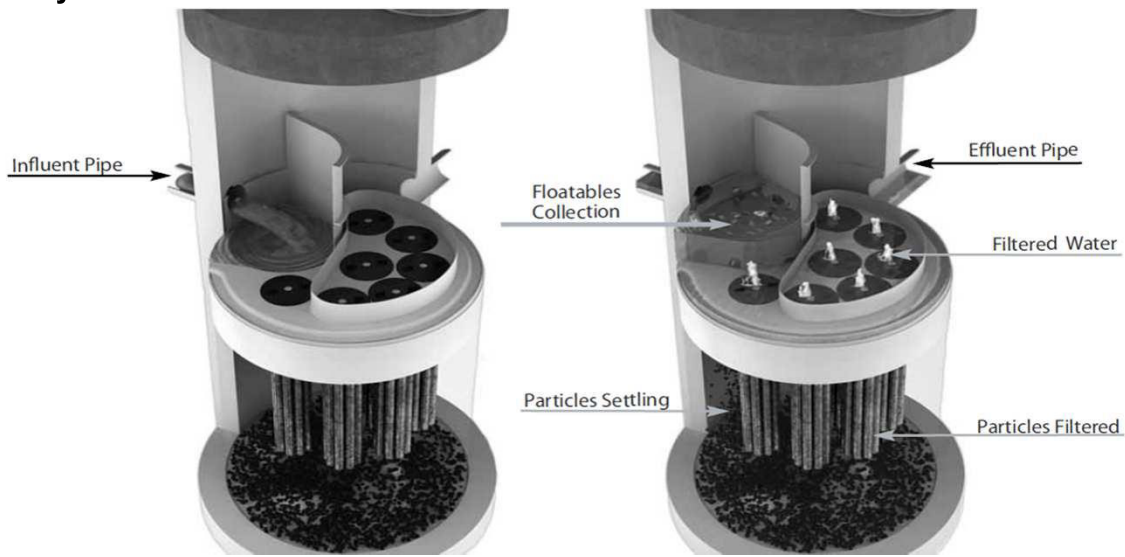
- ☑ 89% of the total suspended solids (TSS) load, including particles less than 5 microns
- ☑ 59% TP removal & 51% TN removal
- ☑ 90% Total Copper, 81% Total Lead, 70% Total Zinc
- ☑ Particulate-bound pollutants such as nutrients, toxic metals, hydrocarbons and bacteria
- ☑ Free oil, Floatable trash and debris

Field Proven Performance

The Jellyfish filter has been field-tested on an urban site with 25 TARP qualifying rain events and field monitored according to the TARP field test protocol, demonstrating:

- A median TSS removal efficiency of 89%, and a median SSC removal of 99%;
- The ability to capture fine particles as indicated by an effluent d50 median of 3 microns for all monitored storm events, and a median effluent turbidity of 5 NTUs;
- A median Total Phosphorus removal of 59%, and a median Total Nitrogen removal of 51%.

Jellyfish Filter Treatment Functions



Pre-treatment and Membrane Filtration

Project Information

| | |
|-----------------|------------------------|
| Date: | Friday, March 03, 2017 |
| Project Name: | 601 North Lands - OGS1 |
| Project Number: | |
| Location: | Aurora |

Designer Information

| | |
|----------|-------------|
| Company: | DSEL |
| Contact: | Brian Betts |
| Phone #: | |

Notes

| |
|--|
| |
|--|

Design System Requirements

| | | |
|-------------------------|---|-----------------|
| Flow Loading | 90% of the Average Annual Runoff based on 18 years of TORONTO CENTRAL rainfall data: | 38.2 L/s |
| Sediment Loading | Treating 90% of the average annual runoff volume, 8886 m ³ , with a suspended sediment concentration of 60 mg/L. | 533 kg* |

* Indicates that sediment loading is the limiting parameter in the sizing of this Jellyfish system

Recommendation

The Jellyfish Filter model JF8-9-2 is recommended to meet the water quality objective by treating a flow of 50.5 L/s, which meets or exceeds 90% of the average annual rainfall runoff volume based on 18 years of TORONTO CENTRAL rainfall data for this site. This model has a sediment capacity of 569 kg, which meets or exceeds the estimated average annual sediment load.

| Jellyfish Model | Number of High-Flo Cartridges | Number of Draindown Cartridges | Manhole Diameter (m) | Wet Vol Below Deck (L) | Sump Storage (m ³) | Oil Capacity (L) | Treatment Flow Rate (L/s) | Sediment Capacity (kg) |
|-----------------|-------------------------------|--------------------------------|----------------------|------------------------|--------------------------------|------------------|---------------------------|------------------------|
| JF4-1-1 | 1 | 1 | 1.2 | 2313 | 0.34 | 379 | 7.6 | 85 |
| JF4-2-1 | 2 | 1 | 1.2 | 2313 | 0.34 | 379 | 12.6 | 142 |
| JF6-3-1 | 3 | 1 | 1.8 | 5205 | 0.79 | 848 | 17.7 | 199 |
| JF6-4-1 | 4 | 1 | 1.8 | 5205 | 0.79 | 848 | 22.7 | 256 |
| JF6-5-1 | 5 | 1 | 1.8 | 5205 | 0.79 | 848 | 27.8 | 313 |
| JF6-6-1 | 6 | 1 | 1.8 | 5205 | 0.79 | 848 | 32.8 | 370 |
| JF8-6-2 | 6 | 2 | 2.4 | 9252 | 1.42 | 1469 | 35.3 | 398 |
| JF8-7-2 | 7 | 2 | 2.4 | 9252 | 1.42 | 1469 | 40.4 | 455 |
| JF8-8-2 | 8 | 2 | 2.4 | 9252 | 1.42 | 1469 | 45.4 | 512 |
| JF8-9-2 | 9 | 2 | 2.4 | 9252 | 1.42 | 1469 | 50.5 | 569 |
| JF8-10-2 | 10 | 2 | 2.4 | 9252 | 1.42 | 1469 | 55.5 | 626 |
| JF10-11-3 | 11 | 3 | 3.0 | 14456 | 2.21 | 2302 | 63.1 | 711 |
| JF10-12-3 | 12 | 3 | 3.0 | 14456 | 2.21 | 2302 | 68.2 | 768 |
| JF10-12-4 | 12 | 4 | 3.0 | 14456 | 2.21 | 2302 | 70.7 | 796 |
| JF10-13-4 | 13 | 4 | 3.0 | 14456 | 2.21 | 2302 | 75.7 | 853 |
| JF10-14-4 | 14 | 4 | 3.0 | 14456 | 2.21 | 2302 | 80.8 | 910 |
| JF10-15-4 | 15 | 4 | 3.0 | 14456 | 2.21 | 2302 | 85.8 | 967 |
| JF10-16-4 | 16 | 4 | 3.0 | 14456 | 2.21 | 2302 | 90.9 | 1024 |
| JF10-17-4 | 17 | 4 | 3.0 | 14456 | 2.21 | 2302 | 95.9 | 1081 |
| JF10-18-4 | 18 | 4 | 3.0 | 14456 | 2.21 | 2302 | 101 | 1138 |
| JF10-19-4 | 19 | 4 | 3.0 | 14456 | 2.21 | 2302 | 106 | 1195 |
| JF12-20-5 | 20 | 5 | 3.6 | 20820 | 3.2 | 2771 | 113.6 | 1280 |
| JF12-21-5 | 21 | 5 | 3.6 | 20820 | 3.2 | 2771 | 118.7 | 1337 |
| JF12-22-5 | 22 | 5 | 3.6 | 20820 | 3.2 | 2771 | 123.7 | 1394 |
| JF12-23-5 | 23 | 5 | 3.6 | 20820 | 3.2 | 2771 | 128.8 | 1451 |
| JF12-24-5 | 24 | 5 | 3.6 | 20820 | 3.2 | 2771 | 133.8 | 1508 |
| JF12-25-5 | 25 | 5 | 3.6 | 20820 | 3.2 | 2771 | 138.9 | 1565 |
| JF12-26-5 | 26 | 5 | 3.6 | 20820 | 3.2 | 2771 | 143.9 | 1622 |
| JF12-27-5 | 27 | 5 | 3.6 | 20820 | 3.2 | 2771 | 149 | 1679 |

Rainfall

| | |
|----------|------------------|
| Name: | TORONTO CENTRAL |
| State: | ON |
| ID: | 100 |
| Record: | 1982 to 1999 |
| Co-ords: | 45°30'N, 90°30'W |

Drainage Area

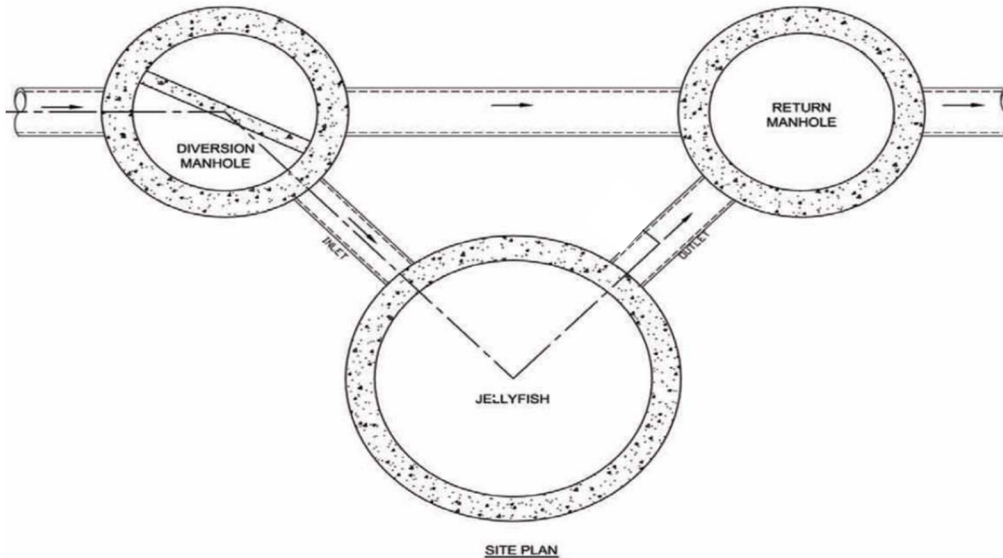
| | |
|-----------------|--------|
| Total Area: | 1.7 ha |
| Imperviousness: | 88% |

Upstream Detention

| | |
|----------------------|-----|
| Peak Release Rate: | n/a |
| Pretreatment Credit: | n/a |

Jellyfish Filter Design Notes

- Typically the Jellyfish Filter is designed in an offline configuration, as all stormwater filter systems will perform for a longer duration between required maintenance services when designed and applied in off-line configurations. Depending on the design parameters, an optional internal bypass may be incorporated into the Jellyfish Filter, however note the inspection and maintenance frequency should be expected to increase above that of an off-line system. Speak to your local representative for more information.



Jellyfish Filter Typical Layout

- Typically, 18 inches (457 mm) of driving head is designed into the system, calculated as the difference in elevation between the top of the diversion structure weir and the invert of the Jellyfish Filter outlet pipe. Alternative driving head values can be designed as 12 to 24 inches (305 to 610mm) depending on specific site requirements, requiring additional sizing and design assistance.
- Typically, the Jellyfish Filter is designed with the inlet pipe configured 6 inches (150 mm) above the outlet invert elevation. However, depending on site parameters this can vary to an optional configuration of the inlet pipe entering the unit below the outlet invert elevation.
- The Jellyfish Filter can accommodate multiple inlet pipes within certain restrictions.
- While the optional inlet below deck configuration offers 0 to 360 degree flexibility between the inlet and outlet pipe, typical systems conform to the following:

| Model Diameter (m) | Minimum Angle Inlet / Outlet Pipes | Minimum Inlet Pipe Diameter (mm) | Minimum Outlet Pipe Diameter (mm) |
|--------------------|------------------------------------|----------------------------------|-----------------------------------|
| 1.2 | 62° | 150 | 200 |
| 1.8 | 59° | 200 | 250 |
| 2.4 | 52° | 250 | 300 |
| 3.0 | 48° | 300 | 450 |
| 3.6 | 40° | 300 | 450 |

- The Jellyfish Filter can be built at all depths of cover generally associated with conventional stormwater conveyance systems. For sites that require minimal depth of cover for the stormwater infrastructure, the Jellyfish Filter can be applied in a shallow application using a hatch cover. The general minimum depth of cover is 36 inches (915 mm) from top of the underslab to outlet invert.
- If driving head calculations account for water elevation during submerged conditions the Jellyfish Filter will function effectively under submerged conditions.
- Jellyfish Filter systems may incorporate grated inlets depending on system configuration.
- For sites with water quality treatment flow rates or mass loadings that exceed the design flow rate of the largest standard Jellyfish Filter manhole models, systems can be designed that hydraulically connect multiple Jellyfish Filters in series or alternatively Jellyfish Vault units can be designed.

STANDARD SPECIFICATION STORMWATER QUALITY FILTER TREATMENT DEVICE

PART 1 – GENERAL

1.1 WORK INCLUDED

This section specifies requirements for construction and performance of an underground stormwater quality filter treatment device that removes pollutants from stormwater runoff through the unit operations of sedimentation, floatation, and membrane filtration.

1.2 REFERENCE STANDARDS

ASTM C 891: Specification for Installation of Underground Precast Concrete Utility Structures
ASTM C 478: Specification for Precast Reinforced Concrete Manhole Sections
ASTM C 443: Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets
ASTM D 4101: Specification for Copolymer steps construction

CAN/CSA-A257.4-M92

Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets

CAN/CSA-A257.4-M92

Precast Reinforced Circular Concrete Manhole Sections, Catch Basins and Fittings

Canadian Highway Bridge Design Code

1.3 SHOP DRAWINGS

Shop drawings for the structure and performance are to be submitted with each order to the contractor. Contractor shall forward shop drawing submittal to the consulting engineer for approval. Shop drawings are to detail the structure's precast concrete components.

1.4 HANDLING AND STORAGE

Prevent damage to materials during storage and handling.

PART 2 – PRODUCTS

2.1 GENERAL

2.1.1 The device shall be cylindrical or rectangular and constructed from precast concrete riser and slab components or monolithic precast structure(s), installed to conform to ASTM C 891 and to any required state highway, municipal or local specifications.

2.1.2 Cartridge Deck The cylindrical concrete device shall include a fiberglass deck. The rectangular concrete device shall include a coated aluminum deck. In either instance, the insert shall be bolted and sealed watertight inside the precast concrete chamber. In each instance the insert shall serve as: (a) a horizontal divider between the lower treatment zone and the upper treated effluent zone; (b) a deck for attachment of filter cartridges such that the membrane filter elements of each cartridge extend into the lower treatment zone; (c) a platform for maintenance workers to service the filter cartridges; (d) a conduit for conveyance of treated water to the effluent pipe.

2.1.3 Membrane Filter Cartridges Filter cartridges shall be comprised of cylindrical membrane filter elements connected to a perforated head plate. The number of membrane filter elements per cartridge shall be eleven 2.75-inch (70-mm) diameter elements. The length of each filter element shall be a minimum 15 inches (381 mm). Each cartridge shall be fitted into the cartridge deck by insertion into a cartridge receptacle that is permanently mounted into the cartridge deck. Each cartridge shall be secured by a cartridge lid that is threaded onto the receptacle. The maximum treatment flow rate of a filter cartridge shall be controlled by an orifice in the cartridge lid and based on a design flux rate (surface loading rate) determined by the maximum treatment flow rate per unit of filtration membrane surface area. The maximum flux rate shall be 0.21 gpm/ft² (0.142 lps/m²).

Each lightweight membrane filter cartridge shall allow for manual installation and removal. Each filter cartridge shall have filtration membrane surface area and dry installation weight as follows:

| Filter Cartridge Length | | Filtration Cartridge Membrane Surface Area | | Filter Cartridge Dry Weight | |
|-------------------------|-------|--|----------------|-----------------------------|------|
| in | mm | ft ² | m ² | lbs | kg |
| 15 | 381 | 106 | 9.8 | 10 | 4.5 |
| 27 | 686 | 190 | 17.7 | 14.5 | 6.6 |
| 40 | 1,016 | 282 | 26.2 | 19.5 | 8.9 |
| 54 | 1,372 | 381 | 35.4 | 25 | 11.4 |

2.1.4 Backwashing Cartridges The filter device shall have a weir extending above the cartridge deck that encloses the high flow rate filter cartridges when placed in their respective cartridge receptacles within the cartridge deck. The weir shall collect a pool of filtered water during inflow events that subsequently automatically backwashes the high flow rate cartridges each time the inflow event subsides. All filter cartridges shall allow for use of a manual backwashing or filtration membrane rinsing procedure to restore flow capacity and sediment capacity and extend cartridge service life.

2.1.5 Maintenance Access to Captured Pollutants The filter device shall contain an opening(s) that provides suitable maintenance access for removal of accumulated floatable pollutants and sediment.

2.1.6 Bend Structure The device shall be able to be used as a bend structure with minimum angles between inlet and outlet pipes of 90-degrees or less in the stormwater conveyance system.

2.1.7 Double-Wall Containment of Hydrocarbons The cylindrical precast concrete device shall provide double-wall containment for hydrocarbon spill capture by a combined means of an inner wall of fiberglass, to a minimum depth of 12 inches (305 mm) below the cartridge deck, and the precast vessel wall.

2.1.8 Baffle The filter device shall provide a baffle that extends from the underside of the cartridge deck to a minimum length equal to the length of the membrane filter elements. The baffle shall serve to protect the membrane filter elements from contamination by floatables. In the cylindrical device the baffle shall be a flexible continuous skirt secured to the fiberglass deck. In the rectangular device the baffle shall be a concrete or metal wall, secured to the precast chamber.

2.1.9 Sump The device shall include a minimum 24 inches (610 mm) of total sump depth below the bottom of the cartridges for sediment accumulation, unless otherwise specified in the shop drawings or by the design engineer.

2.2 PRECAST CONCRETE SECTIONS. All precast concrete components shall be manufactured to a minimum live load of HS-20 truck loading or greater based on local regulatory specifications, unless otherwise modified or specified by the design engineer.

2.3 JOINTS. All precast concrete manhole configuration joints shall use nitrile rubber gaskets and shall meet the requirements of ASTM C443, Specification C1619, Class D or engineer approved equal to ensure oil resistance. Mastic sealants or butyl tape are not an acceptable alternative.

2.4 GASKETS. Only profile neoprene or nitrile rubber gaskets in accordance to CSA A257.3-M92 will be accepted. Mastic sealants, butyl tape or Conseal CS-101 are not acceptable gasket materials.

2.5 FRAME AND COVER. Frame and covers must be manufactured from cast-iron and embossed with the name of the device manufacturer or the device brand name.

2.6 DOORS AND HATCHES. If provided shall meet designated loading requirements at a minimum for incidental traffic.

2.7 CONCRETE. All concrete components shall be manufactured according to local specifications and shall meet the requirements of ASTM C 478.

2.8 FIBERGLASS. The fiberglass portion of the water treatment device shall be constructed in accordance with the following standard: ASTM D-4097: Contact Molded Glass Fiber Reinforced Chemical Resistant Tanks.

2.9 STEPS. Steps shall be constructed according to ASTM D4101 of copolymer polypropylene, and be driven into preformed or pre-drilled holes after the concrete has cured, installed to conform to applicable sections of state, provincial and municipal building codes, highway, municipal or local specifications for the construction of such devices.

2.10 INSPECTION. All precast concrete sections shall be inspected to ensure that dimensions, appearance and quality of the product meet local municipal specifications and ASTM C 478.

PART 3 – PERFORMANCE

3.1 GENERAL

3.1.1 Function - The stormwater quality filter treatment device shall function to remove pollutants by the following unit treatment processes; sedimentation, floatation, and membrane filtration.

3.1.2 Pollutants - The stormwater quality filter treatment device shall remove oil, debris, trash, coarse and fine particulates (TSS), particulate-bound pollutants, metals and nutrients from stormwater during runoff events.

3.1.3 Bypass - The stormwater quality filter treatment device shall typically utilize an external bypass to divert excessive flows unless otherwise modified or specified by the design engineer.

- 3.1.4 Treatment Flux Rate (Surface Loading Rate) – The stormwater quality filter treatment device shall treat 100% of the required water quality treatment design flow based on a maximum treatment flux rate (surface loading rate) across the membrane filter cartridges of 0.21 gpm/ft² (0.142 lps/m²).

3.2 FIELD TEST PERFORMANCE

At a minimum, the stormwater quality filter device shall have been field tested with a minimum 25 TARP qualifying storm events and field monitoring conducted according to the TARP field test protocol, and be NJCAT verified.

- 3.2.1 Suspended Solids Removal - The stormwater quality filter treatment device shall have demonstrated a minimum median TSS removal efficiency of 85% and a minimum median SSC removal efficiency of 95%.
- 3.2.2 Runoff Volume – The stormwater quality filter treatment device shall be engineered, designed, and sized to treat a minimum of 90 percent of the annual runoff volume determined from use of a minimum 15-year rainfall data set.
- 3.2.3 Fine Particle Removal - The stormwater quality filter treatment device shall have demonstrated the ability to capture fine particles as indicated by a minimum median removal efficiency of 75% for the particle fraction less than 25 microns, an effluent d₅₀ of 15 microns or lower for all monitored storm events.
- 3.2.4 Turbidity Reduction - The stormwater quality filter treatment device shall have demonstrated the ability to reduce the turbidity from influent from a range of 5 to 171 NTU to an effluent turbidity of 15 NTU or lower.
- 3.2.5 Nutrient (Total Phosphorus & Total Nitrogen) Removal - The stormwater quality filter treatment device shall have demonstrated a minimum median Total Phosphorus removal of 55%, and a minimum median Total Nitrogen removal of 50%.
- 3.2.6 Metals (Total Zinc & Total Copper) Removal - The stormwater quality filter treatment device shall have demonstrated a minimum median Total Zinc removal of 55%, and a minimum median Total Copper removal of 85%.

3.3 INSPECTION and MAINTENANCE

The manufacturer shall provide an Owner's Manual upon request.

3.3.1 FEATURES

The stormwater quality filter treatment device shall have the following features:

- 3.3.1.1 The membrane filter elements shall be designed to last a minimum one year under normal urban stormwater operation from a stable site prior to requiring maintenance or replacement.
- 3.3.1.2 Inspection which includes trash and floatables collection, sediment depth determination, and visible determination of backwash pool depth shall be easily conducted from grade.
- 3.3.1.3 Manual rinsing of the membrane filter elements or backflushing of the filter cartridges shall be possible to restore the flow capacity and sediment capacity of the filter cartridges and therefore extend cartridge service life.

- 3.3.1.4 The filter device shall have a minimum 24 inches (610 mm) of sediment storage depth below the cartridges.
 - 3.3.1.5 Sediment removal from the filter treatment device shall be conducted using a standard maintenance truck and vacuum apparatus, and a minimum one point of entry to the sump that is unobstructed by filter cartridges.
 - 3.3.1.6 Filter cartridges shall be easily maintained without the use of additional lifting equipment.
 - 3.3.1.7 The membrane filter elements shall be easily removable and rinse-able with low pressure (< 50 psi) clean water to extend cartridge service life.
 - 3.3.1.8 When required the membrane filter elements can be easily replaced to fully restore the flow capacity and sediment capacity of the filter cartridges.
- 3.3.2 REPLACEMENT FILTER CARTRIDGE ITEMS When replacement membrane filter elements and/or other parts are required, only membrane filter elements and parts approved by the manufacturer for use with the stormwater quality filter device shall be installed to ensure proper operation.

PART 4 – EXECUTION

4.1 INSTALLATION Contractor shall take appropriate action to protect all of the devices' internal components throughout the installation and construction process. No lifting shall be conducted or lifting mechanisms shall be connected to or come into contact with the stormwater quality treatment devices' deck or cartridge receptacles.

4.1.1 PRECAST DEVICE CONSTRUCTION SEQUENCE

The installation of a precast concrete device should conform to ASTM C 891 and to any state highway, municipal or local specifications for the construction of manholes. Selected sections of a general specification that are applicable are summarized below.

The precast concrete device is installed in sections in the following sequence:

- aggregate base
- base slab
- treatment chamber and cartridge deck riser section(s)
- bypass section
- connect inlet and outlet pipes
- riser section and/or transition slab (if required)
- maintenance riser section(s) (if required)
- frame and access cover

4.1.2 The precast base should be placed level at the specified grade. The entire base should be in contact with the underlying compacted granular material. Subsequent sections, complete with joint seals, should be installed in accordance with the precast concrete manufacturer's recommendations.

4.1.3 Adjustment of the stormwater quality treatment device can be performed by lifting the upper sections free of the excavated area, re-leveling the base, and re-installing the sections. Damaged sections and gaskets should be repaired or replaced as necessary.

Once the stormwater quality treatment device has been constructed, any lift holes must be plugged watertight with mortar or non-shrink grout.

4.1.4 Inlet and Outlet Pipes Inlet and outlet pipes should be securely set into the device using approved pipe seals (flexible boot connections, where applicable) so that the structure is watertight.

4.1.5 Frame and Cover Installation Adjustment units (e.g. grade rings) should be installed to set the frame and cover at the required elevation. The adjustment units should be laid in a full bed of mortar with successive units being joined using sealant recommended by the manufacturer. Frames for the cover should be set in a full bed of mortar at the elevation specified.

4.3 MAINTENANCE ACCESS WALL

In some instances the Maintenance Access Wall, if provided, shall require an extension attachment and sealing to the precast wall and cartridge deck at the job site, rather than at the precast facility. In this instance, installation, attachment and sealing of these components shall be performed according to instructions provided by the manufacturer.

4.4 DEVICE PROTECTION PRIOR TO FILTER CARTRIDGE INSTALLATION

Filter cartridges shall not be installed until the project site is clean and free of debris, by the contractor. The project site includes any surface that contributes storm drainage to the treatment device. All impermeable surfaces shall be clean and free of dirt and debris. All catch basins, manholes and pipes shall be free of debris, dirt and sediments.

4.4.1 It is the contractor's full responsibility to properly protect the treatment device, and keep the device offline during construction.

4.4.1.1 The contractor may choose to plug both the inlet and outlet pipes to prevent stormwater from entering the device to fully protect the cartridges and system from construction debris and sediment.

4.4.1.2 The contractor must remove plugs to activate the device after the site has been fully stabilized post-construction, and device has been commissioned.

4.5 FILTER CARTRIDGE INSTALLATION

4.5.1 The Contractor shall confirm the project site and stormwater quality filter treatment device is clean and free of debris prior to pursuing cartridge installation. Filter cartridges and lids shall be installed in the cartridge deck only after the construction site is fully stabilized and the unit clean and free of debris by the contractor.

4.5.2 Contractor shall notify and coordinate with the manufacturer three weeks prior to requiring filter cartridges installed on site. Filter cartridges and lids, shall be delivered and installed to commission the stormwater quality filter treatment device.

END OF SECTION



STANDARD OFFLINE Jellyfish Filter Sizing Report

Project Information

| | |
|----------------|------------------------|
| Date | Friday, March 03, 2017 |
| Project Name | 601 North Lands - OGS2 |
| Project Number | |
| Location | Aurora |

Jellyfish Filter Design Overview

This report provides information for the sizing and specification of the Jellyfish Filter. When designed properly in accordance to the guidelines detailed in the Jellyfish Filter Technical Manual, the Jellyfish Filter will exceed the performance and longevity of conventional horizontal bed and granular media filters.

Please see www.ImbriumSystems.com for more information.

Jellyfish Filter System Recommendation

The Jellyfish Filter model JF8-9-2 is recommended to meet the water quality objective by treating a flow of 50.5 L/s, which meets or exceeds 90% of the average annual rainfall runoff volume based on 18 years of TORONTO CENTRAL rainfall data for this site. This model has a sediment capacity of 569 kg, which meets or exceeds the estimated average annual sediment load.

| Jellyfish Model | Number of High-Flo Cartridges | Number of Draindown Cartridges | Manhole Diameter (m) | Treatment Flow Rate (L/s) | Sediment Capacity (kg) |
|-----------------|-------------------------------|--------------------------------|----------------------|---------------------------|------------------------|
| JF8-9-2 | 9 | 2 | 2.4 | 50.5 | 569 |

The Jellyfish Filter System

The patented Jellyfish Filter is an engineered stormwater quality treatment technology featuring unique membrane filtration in a compact stand-alone treatment system that removes a high level and wide variety of stormwater pollutants. Exceptional pollutant removal is achieved at high treatment flow rates with minimal head loss and low maintenance costs. Each lightweight Jellyfish Filter cartridge contains an extraordinarily large amount of membrane surface area, resulting in superior flow capacity and pollutant removal capacity.

Maintenance

Regular scheduled inspections and maintenance is necessary to assure proper functioning of the Jellyfish Filter. The maintenance interval is designed to be a minimum of 12 months, but this will vary depending on site loading conditions and upstream pretreatment measures. Quarterly inspections and inspections after all storms beyond the 5-year event are recommended until enough historical performance data has been logged to comfortably initiate an alternative inspection interval.

Please see www.ImbriumSystems.com for more information.

Thank you for the opportunity to present this information to you and your client.

Performance

Jellyfish efficiently captures a high level of Stormwater pollutants, including:

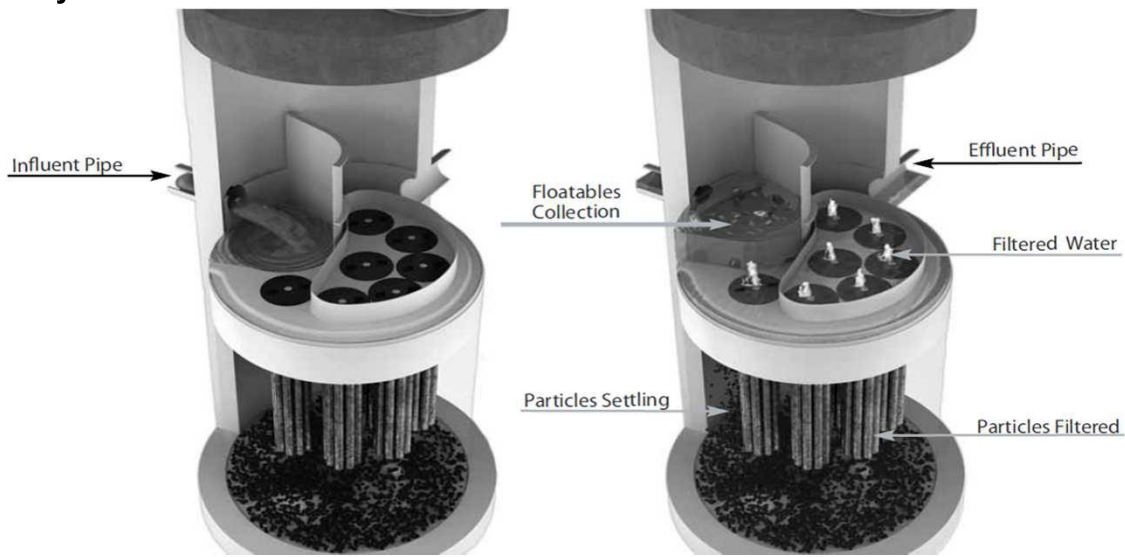
- ☑ 89% of the total suspended solids (TSS) load, including particles less than 5 microns
- ☑ 59% TP removal & 51% TN removal
- ☑ 90% Total Copper, 81% Total Lead, 70% Total Zinc
- ☑ Particulate-bound pollutants such as nutrients, toxic metals, hydrocarbons and bacteria
- ☑ Free oil, Floatable trash and debris

Field Proven Performance

The Jellyfish filter has been field-tested on an urban site with 25 TARP qualifying rain events and field monitored according to the TARP field test protocol, demonstrating:

- A median TSS removal efficiency of 89%, and a median SSC removal of 99%;
- The ability to capture fine particles as indicated by an effluent d50 median of 3 microns for all monitored storm events, and a median effluent turbidity of 5 NTUs;
- A median Total Phosphorus removal of 59%, and a median Total Nitrogen removal of 51%.

Jellyfish Filter Treatment Functions



Pre-treatment and Membrane Filtration

Project Information

| | |
|-----------------|------------------------|
| Date: | Friday, March 03, 2017 |
| Project Name: | 601 North Lands - OGS2 |
| Project Number: | |
| Location: | Aurora |

Designer Information

| | |
|----------|-------------|
| Company: | DSEL |
| Contact: | Brian Betts |
| Phone #: | |

Notes

| |
|--|
| |
|--|

Design System Requirements

| | | |
|-------------------------|---|-----------------|
| Flow Loading | 90% of the Average Annual Runoff based on 18 years of TORONTO CENTRAL rainfall data: | 40.5 L/s |
| Sediment Loading | Treating 90% of the average annual runoff volume, 9340 m ³ , with a suspended sediment concentration of 60 mg/L. | 560 kg* |

* Indicates that sediment loading is the limiting parameter in the sizing of this Jellyfish system

Recommendation

The Jellyfish Filter model JF8-9-2 is recommended to meet the water quality objective by treating a flow of 50.5 L/s, which meets or exceeds 90% of the average annual rainfall runoff volume based on 18 years of TORONTO CENTRAL rainfall data for this site. This model has a sediment capacity of 569 kg, which meets or exceeds the estimated average annual sediment load.

| Jellyfish Model | Number of High-Flo Cartridges | Number of Draindown Cartridges | Manhole Diameter (m) | Wet Vol Below Deck (L) | Sump Storage (m ³) | Oil Capacity (L) | Treatment Flow Rate (L/s) | Sediment Capacity (kg) |
|-----------------|-------------------------------|--------------------------------|----------------------|------------------------|--------------------------------|------------------|---------------------------|------------------------|
| JF4-1-1 | 1 | 1 | 1.2 | 2313 | 0.34 | 379 | 7.6 | 85 |
| JF4-2-1 | 2 | 1 | 1.2 | 2313 | 0.34 | 379 | 12.6 | 142 |
| JF6-3-1 | 3 | 1 | 1.8 | 5205 | 0.79 | 848 | 17.7 | 199 |
| JF6-4-1 | 4 | 1 | 1.8 | 5205 | 0.79 | 848 | 22.7 | 256 |
| JF6-5-1 | 5 | 1 | 1.8 | 5205 | 0.79 | 848 | 27.8 | 313 |
| JF6-6-1 | 6 | 1 | 1.8 | 5205 | 0.79 | 848 | 32.8 | 370 |
| JF8-6-2 | 6 | 2 | 2.4 | 9252 | 1.42 | 1469 | 35.3 | 398 |
| JF8-7-2 | 7 | 2 | 2.4 | 9252 | 1.42 | 1469 | 40.4 | 455 |
| JF8-8-2 | 8 | 2 | 2.4 | 9252 | 1.42 | 1469 | 45.4 | 512 |
| JF8-9-2 | 9 | 2 | 2.4 | 9252 | 1.42 | 1469 | 50.5 | 569 |
| JF8-10-2 | 10 | 2 | 2.4 | 9252 | 1.42 | 1469 | 55.5 | 626 |
| JF10-11-3 | 11 | 3 | 3.0 | 14456 | 2.21 | 2302 | 63.1 | 711 |
| JF10-12-3 | 12 | 3 | 3.0 | 14456 | 2.21 | 2302 | 68.2 | 768 |
| JF10-12-4 | 12 | 4 | 3.0 | 14456 | 2.21 | 2302 | 70.7 | 796 |
| JF10-13-4 | 13 | 4 | 3.0 | 14456 | 2.21 | 2302 | 75.7 | 853 |
| JF10-14-4 | 14 | 4 | 3.0 | 14456 | 2.21 | 2302 | 80.8 | 910 |
| JF10-15-4 | 15 | 4 | 3.0 | 14456 | 2.21 | 2302 | 85.8 | 967 |
| JF10-16-4 | 16 | 4 | 3.0 | 14456 | 2.21 | 2302 | 90.9 | 1024 |
| JF10-17-4 | 17 | 4 | 3.0 | 14456 | 2.21 | 2302 | 95.9 | 1081 |
| JF10-18-4 | 18 | 4 | 3.0 | 14456 | 2.21 | 2302 | 101 | 1138 |
| JF10-19-4 | 19 | 4 | 3.0 | 14456 | 2.21 | 2302 | 106 | 1195 |
| JF12-20-5 | 20 | 5 | 3.6 | 20820 | 3.2 | 2771 | 113.6 | 1280 |
| JF12-21-5 | 21 | 5 | 3.6 | 20820 | 3.2 | 2771 | 118.7 | 1337 |
| JF12-22-5 | 22 | 5 | 3.6 | 20820 | 3.2 | 2771 | 123.7 | 1394 |
| JF12-23-5 | 23 | 5 | 3.6 | 20820 | 3.2 | 2771 | 128.8 | 1451 |
| JF12-24-5 | 24 | 5 | 3.6 | 20820 | 3.2 | 2771 | 133.8 | 1508 |
| JF12-25-5 | 25 | 5 | 3.6 | 20820 | 3.2 | 2771 | 138.9 | 1565 |
| JF12-26-5 | 26 | 5 | 3.6 | 20820 | 3.2 | 2771 | 143.9 | 1622 |
| JF12-27-5 | 27 | 5 | 3.6 | 20820 | 3.2 | 2771 | 149 | 1679 |

Rainfall

| | |
|----------|------------------|
| Name: | TORONTO CENTRAL |
| State: | ON |
| ID: | 100 |
| Record: | 1982 to 1999 |
| Co-ords: | 45°30'N, 90°30'W |

Drainage Area

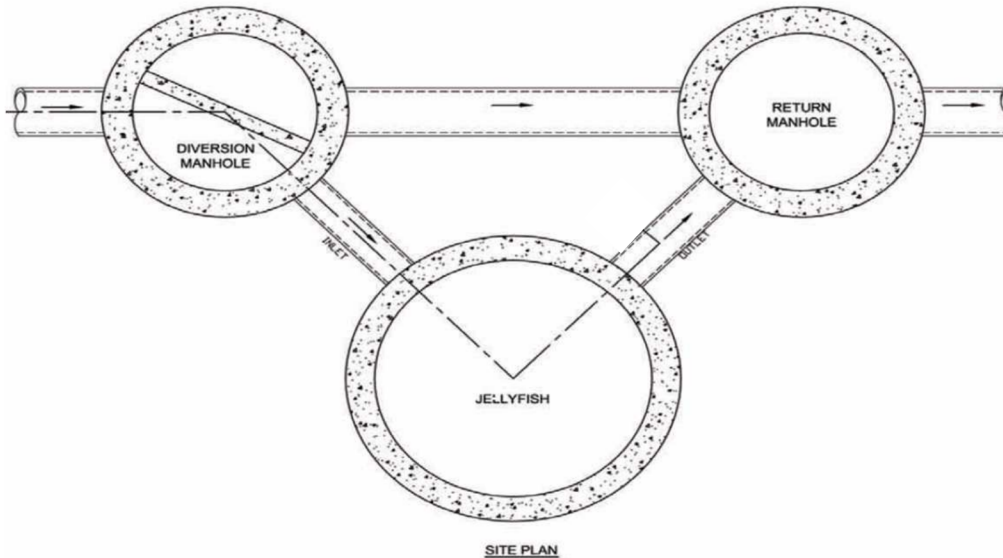
| | |
|-----------------|---------|
| Total Area: | 1.85 ha |
| Imperviousness: | 85% |

Upstream Detention

| | |
|----------------------|-----|
| Peak Release Rate: | n/a |
| Pretreatment Credit: | n/a |

Jellyfish Filter Design Notes

- Typically the Jellyfish Filter is designed in an offline configuration, as all stormwater filter systems will perform for a longer duration between required maintenance services when designed and applied in off-line configurations. Depending on the design parameters, an optional internal bypass may be incorporated into the Jellyfish Filter, however note the inspection and maintenance frequency should be expected to increase above that of an off-line system. Speak to your local representative for more information.



Jellyfish Filter Typical Layout

- Typically, 18 inches (457 mm) of driving head is designed into the system, calculated as the difference in elevation between the top of the diversion structure weir and the invert of the Jellyfish Filter outlet pipe. Alternative driving head values can be designed as 12 to 24 inches (305 to 610mm) depending on specific site requirements, requiring additional sizing and design assistance.
- Typically, the Jellyfish Filter is designed with the inlet pipe configured 6 inches (150 mm) above the outlet invert elevation. However, depending on site parameters this can vary to an optional configuration of the inlet pipe entering the unit below the outlet invert elevation.
- The Jellyfish Filter can accommodate multiple inlet pipes within certain restrictions.
- While the optional inlet below deck configuration offers 0 to 360 degree flexibility between the inlet and outlet pipe, typical systems conform to the following:

| Model Diameter (m) | Minimum Angle Inlet / Outlet Pipes | Minimum Inlet Pipe Diameter (mm) | Minimum Outlet Pipe Diameter (mm) |
|--------------------|------------------------------------|----------------------------------|-----------------------------------|
| 1.2 | 62° | 150 | 200 |
| 1.8 | 59° | 200 | 250 |
| 2.4 | 52° | 250 | 300 |
| 3.0 | 48° | 300 | 450 |
| 3.6 | 40° | 300 | 450 |

- The Jellyfish Filter can be built at all depths of cover generally associated with conventional stormwater conveyance systems. For sites that require minimal depth of cover for the stormwater infrastructure, the Jellyfish Filter can be applied in a shallow application using a hatch cover. The general minimum depth of cover is 36 inches (915 mm) from top of the underslab to outlet invert.
- If driving head calculations account for water elevation during submerged conditions the Jellyfish Filter will function effectively under submerged conditions.
- Jellyfish Filter systems may incorporate grated inlets depending on system configuration.
- For sites with water quality treatment flow rates or mass loadings that exceed the design flow rate of the largest standard Jellyfish Filter manhole models, systems can be designed that hydraulically connect multiple Jellyfish Filters in series or alternatively Jellyfish Vault units can be designed.

STANDARD SPECIFICATION STORMWATER QUALITY FILTER TREATMENT DEVICE

PART 1 – GENERAL

1.1 WORK INCLUDED

This section specifies requirements for construction and performance of an underground stormwater quality filter treatment device that removes pollutants from stormwater runoff through the unit operations of sedimentation, floatation, and membrane filtration.

1.2 REFERENCE STANDARDS

ASTM C 891: Specification for Installation of Underground Precast Concrete Utility Structures
ASTM C 478: Specification for Precast Reinforced Concrete Manhole Sections
ASTM C 443: Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets
ASTM D 4101: Specification for Copolymer steps construction

CAN/CSA-A257.4-M92

Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets

CAN/CSA-A257.4-M92

Precast Reinforced Circular Concrete Manhole Sections, Catch Basins and Fittings

Canadian Highway Bridge Design Code

1.3 SHOP DRAWINGS

Shop drawings for the structure and performance are to be submitted with each order to the contractor. Contractor shall forward shop drawing submittal to the consulting engineer for approval. Shop drawings are to detail the structure's precast concrete components.

1.4 HANDLING AND STORAGE

Prevent damage to materials during storage and handling.

PART 2 – PRODUCTS

2.1 GENERAL

2.1.1 The device shall be cylindrical or rectangular and constructed from precast concrete riser and slab components or monolithic precast structure(s), installed to conform to ASTM C 891 and to any required state highway, municipal or local specifications.

2.1.2 Cartridge Deck The cylindrical concrete device shall include a fiberglass deck. The rectangular concrete device shall include a coated aluminum deck. In either instance, the insert shall be bolted and sealed watertight inside the precast concrete chamber. In each instance the insert shall serve as: (a) a horizontal divider between the lower treatment zone and the upper treated effluent zone; (b) a deck for attachment of filter cartridges such that the membrane filter elements of each cartridge extend into the lower treatment zone; (c) a platform for maintenance workers to service the filter cartridges; (d) a conduit for conveyance of treated water to the effluent pipe.

2.1.3 Membrane Filter Cartridges Filter cartridges shall be comprised of cylindrical membrane filter elements connected to a perforated head plate. The number of membrane filter elements per cartridge shall be eleven 2.75-inch (70-mm) diameter elements. The length of each filter element shall be a minimum 15 inches (381 mm). Each cartridge shall be fitted into the cartridge deck by insertion into a cartridge receptacle that is permanently mounted into the cartridge deck. Each cartridge shall be secured by a cartridge lid that is threaded onto the receptacle. The maximum treatment flow rate of a filter cartridge shall be controlled by an orifice in the cartridge lid and based on a design flux rate (surface loading rate) determined by the maximum treatment flow rate per unit of filtration membrane surface area. The maximum flux rate shall be 0.21 gpm/ft² (0.142 lps/m²).

Each lightweight membrane filter cartridge shall allow for manual installation and removal. Each filter cartridge shall have filtration membrane surface area and dry installation weight as follows:

| Filter Cartridge Length | | Filtration Cartridge Membrane Surface Area | | Filter Cartridge Dry Weight | |
|-------------------------|-------|--|----------------|-----------------------------|------|
| in | mm | ft ² | m ² | lbs | kg |
| 15 | 381 | 106 | 9.8 | 10 | 4.5 |
| 27 | 686 | 190 | 17.7 | 14.5 | 6.6 |
| 40 | 1,016 | 282 | 26.2 | 19.5 | 8.9 |
| 54 | 1,372 | 381 | 35.4 | 25 | 11.4 |

2.1.4 Backwashing Cartridges The filter device shall have a weir extending above the cartridge deck that encloses the high flow rate filter cartridges when placed in their respective cartridge receptacles within the cartridge deck. The weir shall collect a pool of filtered water during inflow events that subsequently automatically backwashes the high flow rate cartridges each time the inflow event subsides. All filter cartridges shall allow for use of a manual backwashing or filtration membrane rinsing procedure to restore flow capacity and sediment capacity and extend cartridge service life.

2.1.5 Maintenance Access to Captured Pollutants The filter device shall contain an opening(s) that provides suitable maintenance access for removal of accumulated floatable pollutants and sediment.

2.1.6 Bend Structure The device shall be able to be used as a bend structure with minimum angles between inlet and outlet pipes of 90-degrees or less in the stormwater conveyance system.

2.1.7 Double-Wall Containment of Hydrocarbons The cylindrical precast concrete device shall provide double-wall containment for hydrocarbon spill capture by a combined means of an inner wall of fiberglass, to a minimum depth of 12 inches (305 mm) below the cartridge deck, and the precast vessel wall.

2.1.8 Baffle The filter device shall provide a baffle that extends from the underside of the cartridge deck to a minimum length equal to the length of the membrane filter elements. The baffle shall serve to protect the membrane filter elements from contamination by floatables. In the cylindrical device the baffle shall be a flexible continuous skirt secured to the fiberglass deck. In the rectangular device the baffle shall be a concrete or metal wall, secured to the precast chamber.

2.1.9 Sump The device shall include a minimum 24 inches (610 mm) of total sump depth below the bottom of the cartridges for sediment accumulation, unless otherwise specified in the shop drawings or by the design engineer.

2.2 PRECAST CONCRETE SECTIONS. All precast concrete components shall be manufactured to a minimum live load of HS-20 truck loading or greater based on local regulatory specifications, unless otherwise modified or specified by the design engineer.

2.3 JOINTS. All precast concrete manhole configuration joints shall use nitrile rubber gaskets and shall meet the requirements of ASTM C443, Specification C1619, Class D or engineer approved equal to ensure oil resistance. Mastic sealants or butyl tape are not an acceptable alternative.

2.4 GASKETS. Only profile neoprene or nitrile rubber gaskets in accordance to CSA A257.3-M92 will be accepted. Mastic sealants, butyl tape or Conseal CS-101 are not acceptable gasket materials.

2.5 FRAME AND COVER. Frame and covers must be manufactured from cast-iron and embossed with the name of the device manufacturer or the device brand name.

2.6 DOORS AND HATCHES. If provided shall meet designated loading requirements at a minimum for incidental traffic.

2.7 CONCRETE. All concrete components shall be manufactured according to local specifications and shall meet the requirements of ASTM C 478.

2.8 FIBERGLASS. The fiberglass portion of the water treatment device shall be constructed in accordance with the following standard: ASTM D-4097: Contact Molded Glass Fiber Reinforced Chemical Resistant Tanks.

2.9 STEPS. Steps shall be constructed according to ASTM D4101 of copolymer polypropylene, and be driven into preformed or pre-drilled holes after the concrete has cured, installed to conform to applicable sections of state, provincial and municipal building codes, highway, municipal or local specifications for the construction of such devices.

2.10 INSPECTION. All precast concrete sections shall be inspected to ensure that dimensions, appearance and quality of the product meet local municipal specifications and ASTM C 478.

PART 3 – PERFORMANCE

3.1 GENERAL

3.1.1 Function - The stormwater quality filter treatment device shall function to remove pollutants by the following unit treatment processes; sedimentation, floatation, and membrane filtration.

3.1.2 Pollutants - The stormwater quality filter treatment device shall remove oil, debris, trash, coarse and fine particulates (TSS), particulate-bound pollutants, metals and nutrients from stormwater during runoff events.

3.1.3 Bypass - The stormwater quality filter treatment device shall typically utilize an external bypass to divert excessive flows unless otherwise modified or specified by the design engineer.

- 3.1.4 Treatment Flux Rate (Surface Loading Rate) – The stormwater quality filter treatment device shall treat 100% of the required water quality treatment design flow based on a maximum treatment flux rate (surface loading rate) across the membrane filter cartridges of 0.21 gpm/ft² (0.142 lps/m²).

3.2 FIELD TEST PERFORMANCE

At a minimum, the stormwater quality filter device shall have been field tested with a minimum 25 TARP qualifying storm events and field monitoring conducted according to the TARP field test protocol, and be NJCAT verified.

- 3.2.1 Suspended Solids Removal - The stormwater quality filter treatment device shall have demonstrated a minimum median TSS removal efficiency of 85% and a minimum median SSC removal efficiency of 95%.
- 3.2.2 Runoff Volume – The stormwater quality filter treatment device shall be engineered, designed, and sized to treat a minimum of 90 percent of the annual runoff volume determined from use of a minimum 15-year rainfall data set.
- 3.2.3 Fine Particle Removal - The stormwater quality filter treatment device shall have demonstrated the ability to capture fine particles as indicated by a minimum median removal efficiency of 75% for the particle fraction less than 25 microns, an effluent d₅₀ of 15 microns or lower for all monitored storm events.
- 3.2.4 Turbidity Reduction - The stormwater quality filter treatment device shall have demonstrated the ability to reduce the turbidity from influent from a range of 5 to 171 NTU to an effluent turbidity of 15 NTU or lower.
- 3.2.5 Nutrient (Total Phosphorus & Total Nitrogen) Removal - The stormwater quality filter treatment device shall have demonstrated a minimum median Total Phosphorus removal of 55%, and a minimum median Total Nitrogen removal of 50%.
- 3.2.6 Metals (Total Zinc & Total Copper) Removal - The stormwater quality filter treatment device shall have demonstrated a minimum median Total Zinc removal of 55%, and a minimum median Total Copper removal of 85%.

3.3 INSPECTION and MAINTENANCE

The manufacturer shall provide an Owner's Manual upon request.

3.3.1 FEATURES

The stormwater quality filter treatment device shall have the following features:

- 3.3.1.1 The membrane filter elements shall be designed to last a minimum one year under normal urban stormwater operation from a stable site prior to requiring maintenance or replacement.
- 3.3.1.2 Inspection which includes trash and floatables collection, sediment depth determination, and visible determination of backwash pool depth shall be easily conducted from grade.
- 3.3.1.3 Manual rinsing of the membrane filter elements or backflushing of the filter cartridges shall be possible to restore the flow capacity and sediment capacity of the filter cartridges and therefore extend cartridge service life.

- 3.3.1.4 The filter device shall have a minimum 24 inches (610 mm) of sediment storage depth below the cartridges.
 - 3.3.1.5 Sediment removal from the filter treatment device shall be conducted using a standard maintenance truck and vacuum apparatus, and a minimum one point of entry to the sump that is unobstructed by filter cartridges.
 - 3.3.1.6 Filter cartridges shall be easily maintained without the use of additional lifting equipment.
 - 3.3.1.7 The membrane filter elements shall be easily removable and rinse-able with low pressure (< 50 psi) clean water to extend cartridge service life.
 - 3.3.1.8 When required the membrane filter elements can be easily replaced to fully restore the flow capacity and sediment capacity of the filter cartridges.
- 3.3.2 REPLACEMENT FILTER CARTRIDGE ITEMS When replacement membrane filter elements and/or other parts are required, only membrane filter elements and parts approved by the manufacturer for use with the stormwater quality filter device shall be installed to ensure proper operation.

PART 4 – EXECUTION

4.1 INSTALLATION Contractor shall take appropriate action to protect all of the devices' internal components throughout the installation and construction process. No lifting shall be conducted or lifting mechanisms shall be connected to or come into contact with the stormwater quality treatment devices' deck or cartridge receptacles.

4.1.1 PRECAST DEVICE CONSTRUCTION SEQUENCE

The installation of a precast concrete device should conform to ASTM C 891 and to any state highway, municipal or local specifications for the construction of manholes. Selected sections of a general specification that are applicable are summarized below.

The precast concrete device is installed in sections in the following sequence:

- aggregate base
- base slab
- treatment chamber and cartridge deck riser section(s)
- bypass section
- connect inlet and outlet pipes
- riser section and/or transition slab (if required)
- maintenance riser section(s) (if required)
- frame and access cover

4.1.2 The precast base should be placed level at the specified grade. The entire base should be in contact with the underlying compacted granular material. Subsequent sections, complete with joint seals, should be installed in accordance with the precast concrete manufacturer's recommendations.

4.1.3 Adjustment of the stormwater quality treatment device can be performed by lifting the upper sections free of the excavated area, re-leveling the base, and re-installing the sections. Damaged sections and gaskets should be repaired or replaced as necessary.

Once the stormwater quality treatment device has been constructed, any lift holes must be plugged watertight with mortar or non-shrink grout.

4.1.4 Inlet and Outlet Pipes Inlet and outlet pipes should be securely set into the device using approved pipe seals (flexible boot connections, where applicable) so that the structure is watertight.

4.1.5 Frame and Cover Installation Adjustment units (e.g. grade rings) should be installed to set the frame and cover at the required elevation. The adjustment units should be laid in a full bed of mortar with successive units being joined using sealant recommended by the manufacturer. Frames for the cover should be set in a full bed of mortar at the elevation specified.

4.3 MAINTENANCE ACCESS WALL

In some instances the Maintenance Access Wall, if provided, shall require an extension attachment and sealing to the precast wall and cartridge deck at the job site, rather than at the precast facility. In this instance, installation, attachment and sealing of these components shall be performed according to instructions provided by the manufacturer.

4.4 DEVICE PROTECTION PRIOR TO FILTER CARTRIDGE INSTALLATION

Filter cartridges shall not be installed until the project site is clean and free of debris, by the contractor. The project site includes any surface that contributes storm drainage to the treatment device. All impermeable surfaces shall be clean and free of dirt and debris. All catch basins, manholes and pipes shall be free of debris, dirt and sediments.

4.4.1 It is the contractor's full responsibility to properly protect the treatment device, and keep the device offline during construction.

4.4.1.1 The contractor may choose to plug both the inlet and outlet pipes to prevent stormwater from entering the device to fully protect the cartridges and system from construction debris and sediment.

4.4.1.2 The contractor must remove plugs to activate the device after the site has been fully stabilized post-construction, and device has been commissioned.

4.5 FILTER CARTRIDGE INSTALLATION

4.5.1 The Contractor shall confirm the project site and stormwater quality filter treatment device is clean and free of debris prior to pursuing cartridge installation. Filter cartridges and lids shall be installed in the cartridge deck only after the construction site is fully stabilized and the unit clean and free of debris by the contractor.

4.5.2 Contractor shall notify and coordinate with the manufacturer three weeks prior to requiring filter cartridges installed on site. Filter cartridges and lids, shall be delivered and installed to commission the stormwater quality filter treatment device.

END OF SECTION

Appendix V

Design Brief for the Stormwater Management Pond for the Bronte Green Subdivision

J.F. Sabourin and Associates Inc.

August 2018