

|                                                        |                  |                                                                                     |
|--------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|
| JNM Engineering Limited                                |                  | Page 0                                                                              |
| 14-16 High Street<br>Ironbridge<br>Shropshire, TF8 7AD | Drury Lane       |  |
| Date 09/11/2021                                        | Designed by JJM  |                                                                                     |
| File drury lane.MDX                                    | Checked by       |                                                                                     |
| Innovyze                                               | Network 2017.1.2 |                                                                                     |

  

STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for DRURY LANE.SWS

Pipe Sizes DRURY LANE Manhole Sizes DRURY LANE

FSR Rainfall Model - England and Wales

|                                      |        |                                       |       |
|--------------------------------------|--------|---------------------------------------|-------|
| Return Period (years)                | 100    | PIMP (%)                              | 100   |
| M5-60 (mm)                           | 18.800 | Add Flow / Climate Change (%)         | 40    |
| Ratio R                              | 0.371  | Minimum Backdrop Height (m)           | 0.200 |
| Maximum Rainfall (mm/hr)             | 50     | Maximum Backdrop Height (m)           | 0.000 |
| Maximum Time of Concentration (mins) | 30     | Min Design Depth for Optimisation (m) | 1.200 |
| Foul Sewage (l/s/ha)                 | 0.000  | Min Vel for Auto Design only (m/s)    | 0.75  |
| Volumetric Runoff Coeff.             | 0.750  | Min Slope for Optimisation (1:X)      | 500   |

Designed with Level Soffits

  

Network Design Table for DRURY LANE.SWS

| PN    | Length<br>(m) | Fall<br>(m) | Slope<br>(1:X) | I.Area<br>(ha) | T.E.<br>(mins) | Base<br>Flow (l/s) | k<br>(mm) | HYD<br>SECT | DIA<br>(mm) | Section Type |
|-------|---------------|-------------|----------------|----------------|----------------|--------------------|-----------|-------------|-------------|--------------|
| 1.000 | 14.439        | 0.144       | 100.3          | 0.040          | 5.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 1.001 | 11.763        | 0.118       | 100.0          | 0.013          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 1.002 | 11.537        | 0.115       | 100.0          | 0.000          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 1.003 | 24.412        | 0.244       | 100.0          | 0.025          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 1.004 | 4.000         | 0.040       | 100.0          | 0.000          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 1.005 | 10.076        | 0.101       | 100.0          | 0.000          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 1.006 | 14.714        | 0.147       | 100.0          | 0.011          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 1.007 | 7.065         | 0.071       | 100.0          | 0.000          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 1.008 | 4.150         | 0.122       | 34.0           | 0.000          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 2.000 | 15.071        | 0.332       | 45.4           | 0.036          | 5.00           | 0.0                | 0.600     | o           | 100         | Pipe/Conduit |

Network Results Table

| PN    | Rain<br>(mm/hr) | T.C.<br>(mins) | US/IL<br>(m) | Σ I.Area<br>(ha) | Σ Base<br>Flow (l/s) | Foul<br>(l/s) | Add Flow<br>(l/s) | Vel<br>(m/s) | Cap<br>(l/s) | Flow<br>(l/s) |
|-------|-----------------|----------------|--------------|------------------|----------------------|---------------|-------------------|--------------|--------------|---------------|
| 1.000 | 50.00           | 5.24           | 98.800       | 0.040            | 0.0                  | 0.0           | 2.2               | 1.00         | 17.7         | 7.6           |
| 1.001 | 50.00           | 5.43           | 98.656       | 0.053            | 0.0                  | 0.0           | 2.9               | 1.00         | 17.8         | 10.0          |
| 1.002 | 50.00           | 5.63           | 98.538       | 0.053            | 0.0                  | 0.0           | 2.9               | 1.00         | 17.8         | 10.0          |
| 1.003 | 50.00           | 6.03           | 98.423       | 0.078            | 0.0                  | 0.0           | 4.2               | 1.00         | 17.8         | 14.8          |
| 1.004 | 50.00           | 6.10           | 98.179       | 0.078            | 0.0                  | 0.0           | 4.2               | 1.00         | 17.8         | 14.8          |
| 1.005 | 50.00           | 6.26           | 98.139       | 0.078            | 0.0                  | 0.0           | 4.2               | 1.00         | 17.8         | 14.8          |
| 1.006 | 50.00           | 6.51           | 98.038       | 0.089            | 0.0                  | 0.0           | 4.8               | 1.00         | 17.8         | 16.9          |
| 1.007 | 50.00           | 6.63           | 97.891       | 0.089            | 0.0                  | 0.0           | 4.8               | 1.00         | 17.8         | 16.9          |
| 1.008 | 50.00           | 6.67           | 97.820       | 0.089            | 0.0                  | 0.0           | 4.8               | 1.73         | 30.6         | 16.9          |
| 2.000 | 50.00           | 5.22           | 98.161       | 0.036            | 0.0                  | 0.0           | 1.9               | 1.15         | 9.0          | 6.8           |

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|                                                        |                  |                                                                                     |
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| Innovyze                                               | Network 2017.1.2 |                                                                                     |

Network Design Table for DRURY LANE.SWS

| PN    | Length<br>(m) | Fall<br>(m) | Slope<br>(1:X) | I.Area<br>(ha) | T.E.<br>(mins) | Base<br>Flow (l/s) | k<br>(mm) | HYD<br>SECT | DIA<br>(mm) | Section Type |
|-------|---------------|-------------|----------------|----------------|----------------|--------------------|-----------|-------------|-------------|--------------|
| 3.000 | 7.065         | 0.118       | 59.9           | 0.016          | 5.00           | 0.0                | 0.600     | o           | 100         | Pipe/Conduit |
| 2.001 | 4.850         | 0.081       | 60.0           | 0.000          | 0.00           | 0.0                | 0.600     | o           | 150         | Pipe/Conduit |
| 4.000 | 3.665         | 0.027       | 135.7          | 0.000          | 5.00           | 0.0                | 0.600     | o           | 225         | Pipe/Conduit |
| 1.009 | 6.179         | 0.062       | 100.0          | 0.000          | 0.00           | 0.0                | 0.600     | o           | 225         | Pipe/Conduit |
| 1.010 | 62.524        | 2.886       | 21.7           | 0.000          | 0.00           | 0.0                | 0.600     | o           | 225         | Pipe/Conduit |

Network Results Table

| PN    | Rain<br>(mm/hr) | T.C.<br>(mins) | US/IL<br>(m) | Σ I.Area<br>(ha) | Σ Base<br>Flow (l/s) | Foul<br>(l/s) | Add Flow<br>(l/s) | Vel<br>(m/s) | Cap<br>(l/s) | Flow<br>(l/s) |
|-------|-----------------|----------------|--------------|------------------|----------------------|---------------|-------------------|--------------|--------------|---------------|
| 3.000 | 50.00           | 5.12           | 97.947       | 0.016            | 0.0                  | 0.0           | 0.9               | 1.00         | 7.8          | 3.0           |
| 2.001 | 50.00           | 5.28           | 97.779       | 0.052            | 0.0                  | 0.0           | 2.8               | 1.30         | 23.0         | 9.9           |
| 4.000 | 50.00           | 5.05           | 97.650       | 0.000            | 0.0                  | 0.0           | 0.0               | 1.12         | 44.5         | 0.0           |
| 1.009 | 50.00           | 6.74           | 97.623       | 0.141            | 0.0                  | 0.0           | 7.6               | 1.31         | 52.0         | 26.7          |
| 1.010 | 50.00           | 7.11           | 97.561       | 0.141            | 0.0                  | 0.0           | 7.6               | 2.82         | 112.3        | 26.7          |

|                                                        |                               |                                                                                     |
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Manhole Schedules for DRURY LANE.SWS

| MH Name | MH CL (m) | MH Depth (m) | MH Connection | MH Diam., L*W (mm) | PN    | Pipe Out Invert Level (m) | Diameter (mm) | PN    | Pipes In Invert Level (m) | Diameter (mm) | Backdrop (mm) |
|---------|-----------|--------------|---------------|--------------------|-------|---------------------------|---------------|-------|---------------------------|---------------|---------------|
| 1       | 99.850    | 1.050        | Open Manhole  | 1200               | 1.000 | 98.800                    | 150           |       |                           |               |               |
| 2       | 99.850    | 1.194        | Open Manhole  | 1200               | 1.001 | 98.656                    | 150           | 1.000 | 98.656                    | 150           |               |
| 3       | 99.850    | 1.312        | Open Manhole  | 1200               | 1.002 | 98.538                    | 150           | 1.001 | 98.538                    | 150           |               |
| 4       | 99.850    | 1.427        | Open Manhole  | 1200               | 1.003 | 98.423                    | 150           | 1.002 | 98.423                    | 150           |               |
| 5       | 99.850    | 1.671        | Open Manhole  | 1200               | 1.004 | 98.179                    | 150           | 1.003 | 98.179                    | 150           |               |
| 6       | 99.850    | 1.711        | Open Manhole  | 1200               | 1.005 | 98.139                    | 150           | 1.004 | 98.139                    | 150           |               |
| 7       | 99.600    | 1.562        | Open Manhole  | 1200               | 1.006 | 98.038                    | 150           | 1.005 | 98.038                    | 150           |               |
| 8       | 99.600    | 1.709        | Open Manhole  | 1200               | 1.007 | 97.891                    | 150           | 1.006 | 97.891                    | 150           |               |
| 9       | 99.600    | 1.780        | Open Manhole  | 1200               | 1.008 | 97.820                    | 150           | 1.007 | 97.820                    | 150           |               |
| 13      | 99.350    | 1.189        | Open Manhole  | 1200               | 2.000 | 98.161                    | 100           |       |                           |               |               |
| 15      | 99.350    | 1.403        | Open Manhole  | 1200               | 3.000 | 97.947                    | 100           |       |                           |               |               |
| 14      | 99.350    | 1.571        | Open Manhole  | 1200               | 2.001 | 97.779                    | 150           | 2.000 | 97.829                    | 100           |               |
|         |           |              |               |                    |       |                           |               | 3.000 | 97.829                    | 100           |               |
| 16      | 99.500    | 1.850        | Open Manhole  | 1200               | 4.000 | 97.650                    | 225           |       |                           |               |               |
| 10      | 99.500    | 1.877        | Open Manhole  | 1200               | 1.009 | 97.623                    | 225           | 1.008 | 97.698                    | 150           |               |
|         |           |              |               |                    |       |                           |               | 2.001 | 97.698                    | 150           |               |
|         |           |              |               |                    |       |                           |               | 4.000 | 97.623                    | 225           |               |
| 11      | 99.500    | 1.939        | Open Manhole  | 1200               | 1.010 | 97.561                    | 225           | 1.009 | 97.561                    | 225           |               |
| 12      | 95.350    | 0.675        | Open Manhole  | 0                  |       | OUTFALL                   |               | 1.010 | 94.675                    | 225           |               |

|                                                        |                  |                                                                                     |
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PIPELINE SCHEDULES for DRURY LANE.SWS

Upstream Manhole

| PN    | Hyd<br>Sect | Diam<br>(mm) | MH<br>Name | C.Level<br>(m) | I.Level<br>(m) | D.Depth<br>(m) | MH<br>Connection | MH DIAM., L*W<br>(mm) |
|-------|-------------|--------------|------------|----------------|----------------|----------------|------------------|-----------------------|
| 1.000 | o           | 150          | 1          | 99.850         | 98.800         | 0.900          | Open Manhole     | 1200                  |
| 1.001 | o           | 150          | 2          | 99.850         | 98.656         | 1.044          | Open Manhole     | 1200                  |
| 1.002 | o           | 150          | 3          | 99.850         | 98.538         | 1.162          | Open Manhole     | 1200                  |
| 1.003 | o           | 150          | 4          | 99.850         | 98.423         | 1.277          | Open Manhole     | 1200                  |
| 1.004 | o           | 150          | 5          | 99.850         | 98.179         | 1.521          | Open Manhole     | 1200                  |
| 1.005 | o           | 150          | 6          | 99.850         | 98.139         | 1.561          | Open Manhole     | 1200                  |
| 1.006 | o           | 150          | 7          | 99.600         | 98.038         | 1.412          | Open Manhole     | 1200                  |
| 1.007 | o           | 150          | 8          | 99.600         | 97.891         | 1.559          | Open Manhole     | 1200                  |
| 1.008 | o           | 150          | 9          | 99.600         | 97.820         | 1.630          | Open Manhole     | 1200                  |
| 2.000 | o           | 100          | 13         | 99.350         | 98.161         | 1.089          | Open Manhole     | 1200                  |
| 3.000 | o           | 100          | 15         | 99.350         | 97.947         | 1.303          | Open Manhole     | 1200                  |
| 2.001 | o           | 150          | 14         | 99.350         | 97.779         | 1.421          | Open Manhole     | 1200                  |
| 4.000 | o           | 225          | 16         | 99.500         | 97.650         | 1.625          | Open Manhole     | 1200                  |
| 1.009 | o           | 225          | 10         | 99.500         | 97.623         | 1.652          | Open Manhole     | 1200                  |
| 1.010 | o           | 225          | 11         | 99.500         | 97.561         | 1.714          | Open Manhole     | 1200                  |

Downstream Manhole

| PN    | Length<br>(m) | Slope<br>(1:X) | MH<br>Name | C.Level<br>(m) | I.Level<br>(m) | D.Depth<br>(m) | MH<br>Connection | MH DIAM., L*W<br>(mm) |
|-------|---------------|----------------|------------|----------------|----------------|----------------|------------------|-----------------------|
| 1.000 | 14.439        | 100.3          | 2          | 99.850         | 98.656         | 1.044          | Open Manhole     | 1200                  |
| 1.001 | 11.763        | 100.0          | 3          | 99.850         | 98.538         | 1.162          | Open Manhole     | 1200                  |
| 1.002 | 11.537        | 100.0          | 4          | 99.850         | 98.423         | 1.277          | Open Manhole     | 1200                  |
| 1.003 | 24.412        | 100.0          | 5          | 99.850         | 98.179         | 1.521          | Open Manhole     | 1200                  |
| 1.004 | 4.000         | 100.0          | 6          | 99.850         | 98.139         | 1.561          | Open Manhole     | 1200                  |
| 1.005 | 10.076        | 100.0          | 7          | 99.600         | 98.038         | 1.412          | Open Manhole     | 1200                  |
| 1.006 | 14.714        | 100.0          | 8          | 99.600         | 97.891         | 1.559          | Open Manhole     | 1200                  |
| 1.007 | 7.065         | 100.0          | 9          | 99.600         | 97.820         | 1.630          | Open Manhole     | 1200                  |
| 1.008 | 4.150         | 34.0           | 10         | 99.500         | 97.698         | 1.652          | Open Manhole     | 1200                  |
| 2.000 | 15.071        | 45.4           | 14         | 99.350         | 97.829         | 1.421          | Open Manhole     | 1200                  |
| 3.000 | 7.065         | 59.9           | 14         | 99.350         | 97.829         | 1.421          | Open Manhole     | 1200                  |
| 2.001 | 4.850         | 60.0           | 10         | 99.500         | 97.698         | 1.652          | Open Manhole     | 1200                  |
| 4.000 | 3.665         | 135.7          | 10         | 99.500         | 97.623         | 1.652          | Open Manhole     | 1200                  |
| 1.009 | 6.179         | 100.0          | 11         | 99.500         | 97.561         | 1.714          | Open Manhole     | 1200                  |
| 1.010 | 62.524        | 21.7           | 12         | 95.350         | 94.675         | 0.450          | Open Manhole     | 0                     |

|                                                        |                 |                                                                                     |
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Free Flowing Outfall Details for DRURY LANE.SWS

| Outfall<br>Pipe Number | Outfall<br>Name | C. Level<br>(m) | I. Level<br>(m) | Min<br>I. Level<br>(m) | D,L<br>(mm) | W<br>(mm) |
|------------------------|-----------------|-----------------|-----------------|------------------------|-------------|-----------|
| 1.010                  | 12              | 95.350          | 94.675          | 0.000                  | 0           | 0         |

  

Simulation Criteria for DRURY LANE.SWS

|                                 |       |                                            |                              |
|---------------------------------|-------|--------------------------------------------|------------------------------|
| Volumetric Runoff Coeff         | 0.840 | Foul Sewage per hectare (l/s)              | 0.000                        |
| Areal Reduction Factor          | 1.000 | Additional Flow - % of Total Flow          | 40.000                       |
| Hot Start (mins)                | 0     | MADD Factor * 10m <sup>3</sup> /ha Storage | 2.000                        |
| Hot Start Level (mm)            | 0     | Run Time (mins)                            | 60                           |
| Manhole Headloss Coeff (Global) | 0.500 | Output Interval (mins)                     | 1                            |
| Number of Input Hydrographs     |       | 0                                          | Number of Storage Structures |
| Number of Online Controls       |       | 1                                          | Number of Time/Area Diagrams |
| Number of Offline Controls      |       | 0                                          |                              |

  

Synthetic Rainfall Details

|                       |                   |                       |        |
|-----------------------|-------------------|-----------------------|--------|
| Rainfall Model        | FSR               | Profile Type          | Winter |
| Return Period (years) | 100               | Cv (Summer)           | 0.750  |
| Region                | England and Wales | Cv (Winter)           | 0.840  |
| M5-60 (mm)            | 18.800            | Storm Duration (mins) | 15     |
| Ratio R               | 0.371             |                       |        |

  

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Online Controls for DRURY LANE.SWS

  

Hydro-Brake® Optimum Manhole: 10, DS/PN: 1.009, Volume (m³): 2.3

  

|                                   |                            |
|-----------------------------------|----------------------------|
| Unit Reference                    | MD-SHE-0064-2000-1200-2000 |
| Design Head (m)                   | 1.200                      |
| Design Flow (l/s)                 | 2.0                        |
| Flush-Flo™                        | Calculated                 |
| Objective                         | Minimise upstream storage  |
| Application                       | Surface                    |
| Sump Available                    | Yes                        |
| Diameter (mm)                     | 64                         |
| Invert Level (m)                  | 97.623                     |
| Minimum Outlet Pipe Diameter (mm) | 100                        |
| Suggested Manhole Diameter (mm)   | 1200                       |

  

| Control Points            | Head (m) | Flow (l/s) | Control Points            | Head (m) | Flow (l/s) |
|---------------------------|----------|------------|---------------------------|----------|------------|
| Design Point (Calculated) | 1.200    | 2.0        | Kick-Flo®                 | 0.573    | 1.4        |
| Flush-Flo™                | 0.282    | 1.8        | Mean Flow over Head Range | -        | 1.6        |

  

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

  

| Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) |
|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| 0.100     | 1.5        | 1.200     | 2.0        | 3.000     | 3.0        | 7.000     | 4.5        |
| 0.200     | 1.7        | 1.400     | 2.1        | 3.500     | 3.3        | 7.500     | 4.7        |
| 0.300     | 1.8        | 1.600     | 2.3        | 4.000     | 3.5        | 8.000     | 4.8        |
| 0.400     | 1.7        | 1.800     | 2.4        | 4.500     | 3.7        | 8.500     | 5.0        |
| 0.500     | 1.6        | 2.000     | 2.5        | 5.000     | 3.9        | 9.000     | 5.1        |
| 0.600     | 1.5        | 2.200     | 2.6        | 5.500     | 4.0        | 9.500     | 5.2        |
| 0.800     | 1.7        | 2.400     | 2.7        | 6.000     | 4.2        |           |            |
| 1.000     | 1.8        | 2.600     | 2.8        | 6.500     | 4.4        |           |            |

  

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|-----------|------------------------|-------|------|-------|------|-------|-----|
| 14-16 High Street<br>Ironbridge<br>Shropshire, TF8 7AD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Drury Lane             |  |                        |                        |                        |                        |           |                        |       |      |       |      |       |     |
| Date 09/11/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Designed by JJM        |                                                                                     |                        |                        |                        |                        |           |                        |       |      |       |      |       |     |
| File drury lane.MDX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Checked by             |                                                                                     |                        |                        |                        |                        |           |                        |       |      |       |      |       |     |
| Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Network 2017.1.2       |                                                                                     |                        |                        |                        |                        |           |                        |       |      |       |      |       |     |
| <p style="text-align: center;"><u>Storage Structures for DRURY LANE.SWS</u></p> <p style="text-align: center;"><u>Tank or Pond Manhole: 16, DS/PN: 4.000</u></p> <p style="text-align: center;">Invert Level (m) 97.650</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Depth (m)</th> <th>Area (m<sup>2</sup>)</th> <th>Depth (m)</th> <th>Area (m<sup>2</sup>)</th> <th>Depth (m)</th> <th>Area (m<sup>2</sup>)</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>60.0</td> <td>1.000</td> <td>60.0</td> <td>1.001</td> <td>0.0</td> </tr> </tbody> </table> |                        |                                                                                     | Depth (m)              | Area (m <sup>2</sup> ) | Depth (m)              | Area (m <sup>2</sup> ) | Depth (m) | Area (m <sup>2</sup> ) | 0.000 | 60.0 | 1.000 | 60.0 | 1.001 | 0.0 |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Area (m <sup>2</sup> ) | Depth (m)                                                                           | Area (m <sup>2</sup> ) | Depth (m)              | Area (m <sup>2</sup> ) |                        |           |                        |       |      |       |      |       |     |
| 0.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 60.0                   | 1.000                                                                               | 60.0                   | 1.001                  | 0.0                    |                        |           |                        |       |      |       |      |       |     |
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|                                                        |                  |                                                                                     |
|--------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|
| JNM Engineering Limited                                |                  | Page 7                                                                              |
| 14-16 High Street<br>Ironbridge<br>Shropshire, TF8 7AD | Drury Lane       |  |
| Date 09/11/2021                                        | Designed by JJM  |                                                                                     |
| File drury lane.MDX                                    | Checked by       |                                                                                     |
| Innovyze                                               | Network 2017.1.2 |                                                                                     |

Summary of Results for 15 minute 100 year Winter (DRURY LANE.SWS)

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status ON  
 DVD Status ON  
 Inertia Status OFF

|       |            | Water     | Surcharged | Flooded     |                            | Pipe       |            |
|-------|------------|-----------|------------|-------------|----------------------------|------------|------------|
| PN    | US/MH Name | Level (m) | Depth (m)  | Volume (m³) | Flow / Overflow Cap. (l/s) | Flow (l/s) | Status     |
| 1.000 | 1          | 99.761    | 0.811      | 0.000       | 0.93                       | 15.2       | FLOOD RISK |
| 1.001 | 2          | 99.639    | 0.833      | 0.000       | 1.13                       | 18.1       | FLOOD RISK |
| 1.002 | 3          | 99.508    | 0.820      | 0.000       | 1.08                       | 17.2       | SURCHARGED |
| 1.003 | 4          | 99.378    | 0.805      | 0.000       | 1.41                       | 23.8       | SURCHARGED |
| 1.004 | 5          | 98.939    | 0.610      | 0.000       | 1.81                       | 22.6       | SURCHARGED |
| 1.005 | 6          | 98.814    | 0.525      | 0.000       | 1.40                       | 22.1       | SURCHARGED |
| 1.006 | 7          | 98.626    | 0.438      | 0.000       | 1.45                       | 23.8       | SURCHARGED |
| 1.007 | 8          | 98.351    | 0.310      | 0.000       | 1.53                       | 23.2       | SURCHARGED |
| 1.008 | 9          | 98.217    | 0.247      | 0.000       | 1.03                       | 22.6       | SURCHARGED |
| 2.000 | 13         | 99.165    | 0.904      | 0.000       | 1.78                       | 15.3       | FLOOD RISK |
| 3.000 | 15         | 98.234    | 0.187      | 0.000       | 1.14                       | 8.1        | SURCHARGED |
| 2.001 | 14         | 98.175    | 0.246      | 0.000       | 1.28                       | 22.8       | SURCHARGED |
| 4.000 | 16         | 98.168    | 0.293      | 0.000       | 0.05                       | 1.5        | SURCHARGED |
| 1.009 | 10         | 98.186    | 0.338      | 0.000       | 0.05                       | 1.8        | SURCHARGED |
| 1.010 | 11         | 97.578    | -0.208     | 0.000       | 0.02                       | 1.8        | OK         |