

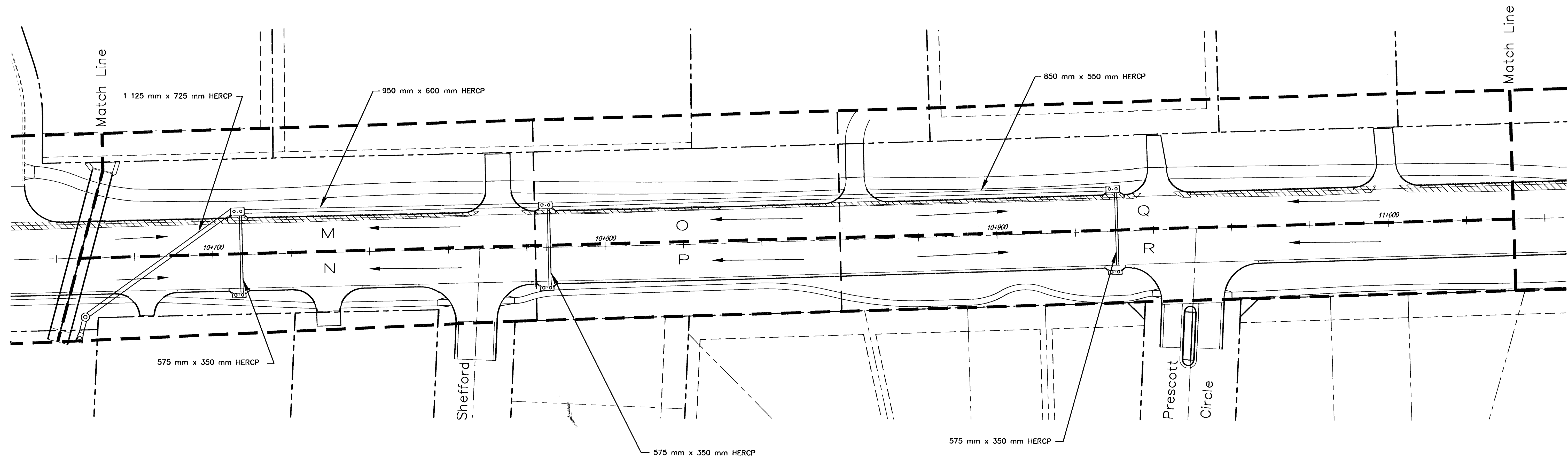
### DRAINAGE DATA TABLE

| BASIN | ENGLISH (U.S.)<br>Q=CIA |        |      |             |             |               |              |                |                     |                   |                     |
|-------|-------------------------|--------|------|-------------|-------------|---------------|--------------|----------------|---------------------|-------------------|---------------------|
|       | AREA                    |        | 'C'  | Tc<br>(min) | I-5<br>(in) | I-100<br>(in) | Q-5<br>(cfs) | Q-100<br>(cfs) | Cum. Area<br>(acre) | Cum. Q-5<br>(cfs) | Cum. Q-100<br>(cfs) |
|       | (sq. feet)              | (acre) |      |             |             |               |              |                |                     |                   |                     |
| M     | 38438                   | 0.88   | 0.85 | 15          | 4.56        | 7.37          | 3.42         | 5.53           | 4.66                | 18.05             | 29.17               |
| N     | 25833                   | 0.59   | 0.85 | 15          | 4.56        | 7.37          | 2.30         | 3.72           | 0.59                | 2.30              | 3.72                |
| O     | 26802                   | 0.62   | 0.85 | 15          | 4.56        | 7.37          | 2.38         | 3.85           | 3.18                | 12.33             | 19.92               |
| P     | 16092                   | 0.37   | 0.85 | 15          | 4.56        | 7.37          | 1.43         | 2.31           | 0.37                | 1.43              | 2.31                |
| Q     | 59998                   | 1.38   | 0.85 | 15          | 4.56        | 7.37          | 5.34         | 8.63           | 2.20                | 8.51              | 13.75               |
| R     | 35639                   | 0.82   | 0.85 | 15          | 4.56        | 7.37          | 3.17         | 5.13           | 0.82                | 3.17              | 5.13                |

| BASIN | METRIC (S.I.)     |                          |                            |                        |                               | STORM SEWER                     |                       |                        |
|-------|-------------------|--------------------------|----------------------------|------------------------|-------------------------------|---------------------------------|-----------------------|------------------------|
|       | AREA<br>(hectare) | Q-5<br>(m <sup>3</sup> ) | Q-100<br>(m <sup>3</sup> ) | Cum. Area<br>(hectare) | Cum. Q-5<br>(m <sup>3</sup> ) | Cum. Q-100<br>(m <sup>3</sup> ) | INLET<br>(length, mm) | PIPE<br>(diameter, mm) |
| M     | 0.357             | 0.097                    | 0.157                      | 1.884                  | 0.511                         | 0.826                           | 3 400 mm              | 1 125 mm x 725 mm      |
| N     | 0.240             | 0.065                    | 0.105                      | 0.240                  | 0.065                         | 0.105                           | 3 400 mm              | 575 mm x 350 mm        |
| O     | 0.249             | 0.068                    | 0.109                      | 1.287                  | 0.349                         | 0.564                           | 3 400 mm              | 950 mm x 600 mm        |
| P     | 0.150             | 0.041                    | 0.066                      | 0.150                  | 0.041                         | 0.066                           | 3 400 mm              | 575 mm x 350 mm        |
| Q     | 0.557             | 0.151                    | 0.244                      | 0.889                  | 0.241                         | 0.390                           | 3 400 mm              | 850 mm x 550mm         |
| R     | 0.331             | 0.090                    | 0.145                      | 0.331                  | 0.090                         | 0.145                           | 3 400 mm              | 575 mm x 350 mm        |

|                    |      |
|--------------------|------|
| BY                 | DATE |
|                    |      |
| REFERENCES NOTED   |      |
| REFERENCES CHECKED |      |



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| DRAINAGE MAPS<br>21ST STREET - MAIZE TO 119TH ST. W.               |  |  |                    |                             |
|--|--|--|--------------------|-----------------------------|
| <b>SRB</b>   | 924 NORTH MAIN<br>WICHITA, KANSAS 67203<br>www.srb.com | 316-264-8008<br>FAX 264-4621<br>E-MAIL: srbsrb@comcast.net | REVISED            |                             |
| <b>SAVOY, RUGGLES &amp; BOHM, P. A.</b><br>ENGINEERING & SURVEYING |  |  |                    |                             |
| PROJECT NUMBER<br><b>472-83138</b>                                 |  |  |                    |                             |
| DRAWN<br>MWS   | DESIGN<br>MWS  | REVIEW<br>CMB  | DATE<br>01/29/2001 | UTILITY<br>SRB_JOB<br>147BT |
|  |  |  |                    | 52                          |
|  |  |  |                    | 105                         |