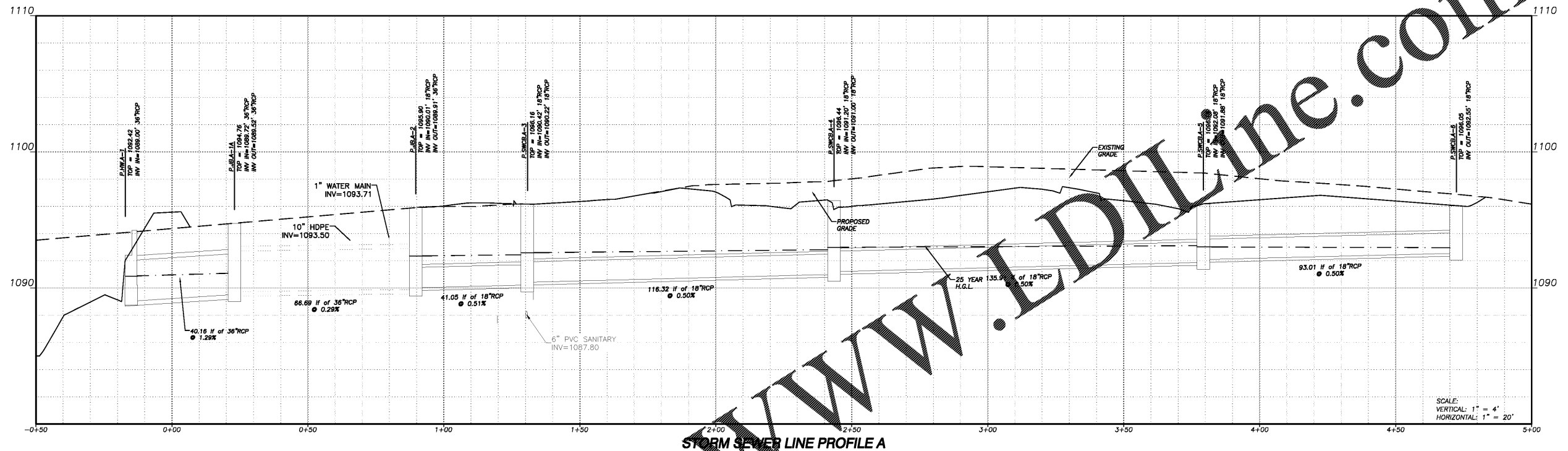
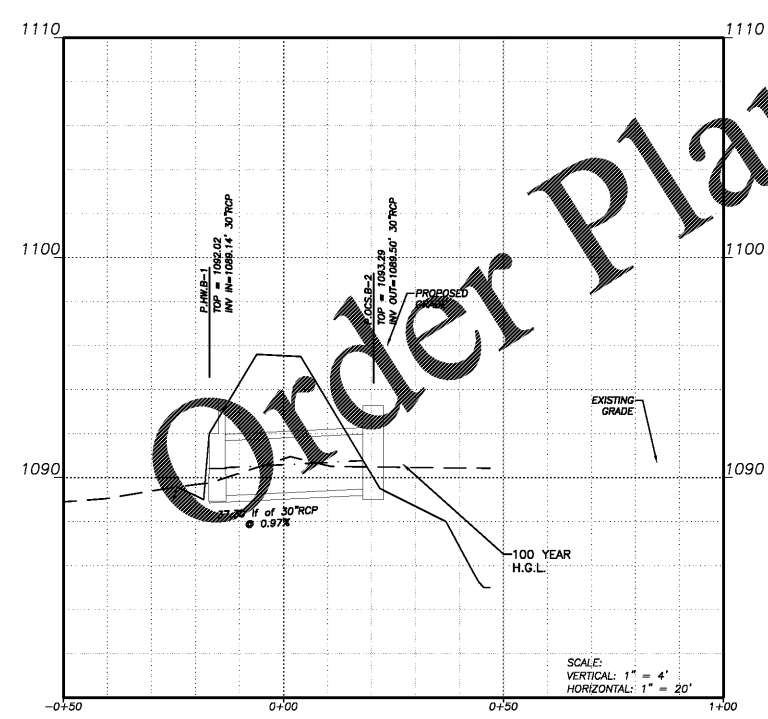


| 25 - YEAR PIPE CHART |            |                          |                    |                  |                  |                  |                  |                      |                   |                     |         |          |             |                    |             |                |                 |                   |                      |                 |                  |               |               |
|----------------------|------------|--------------------------|--------------------|------------------|------------------|------------------|------------------|----------------------|-------------------|---------------------|---------|----------|-------------|--------------------|-------------|----------------|-----------------|-------------------|----------------------|-----------------|------------------|---------------|---------------|
| LineNo.              | Inlet ID   | LineID                   | LineLength<br>(ft) | LineSize<br>(IN) | LineSlope<br>(%) | InvertDN<br>(ft) | InvertUP<br>(ft) | DrainageArea<br>(ac) | TotalArea<br>(ac) | Runoff Coeff<br>(C) | IncrCxA | TotalCxA | n-valuePipe | InletTime<br>(min) | Tc<br>(min) | IncrQ<br>(cfs) | KnownQ<br>(cfs) | FlowRate<br>(cfs) | TotalRunoff<br>(cfs) | VelDn<br>(ft/s) | VelAve<br>(ft/s) | HGLDn<br>(ft) | HGLUp<br>(ft) |
| 1                    | P.JB.A-2   | JJB.A-2 - P.HW.A.1       | 23.35              | 36               | 0.93%            | 1089.53          | 1089.75          | 0.00                 | 0.71              | 0                   | 0.00    | 0.62     | 0.11        | 0                  | 5           | 0              | 23.73           | 28.48             | 28.48                | 9.36            | 9.36             | 1090.86       | 1091.08       |
| 2                    | P.SWCB.A-3 | P.SWCB.A-3 - EX.DWCB.A-2 | 42.18              | 18               | 0.41%            | 1089.95          | 1090.13          | 0.05                 | 0.71              | 0.98                | 0.05    | 0.62     | 0.11        | 5                  | 5           | 0.246          | 0               | 5.443             | 5.443                | 3.08            | 3.08             | 1092.35       | 1092.45       |
| 3                    | P.SWCB.A-4 | P.SWCB.A-4 - P.SWCB.A-3  | 116.32             | 18               | 0.37%            | 1090.33          | 1090.73          | 0.21                 | 0.66              | 0.92                | 0.19    | 0.57     | 0.11        | 5                  | 5           | 0.822          | 0               | 5.089             | 5.089                | 2.88            | 2.88             | 1092.59       | 1092.82       |
| 4                    | P.SWCB.A-5 | P.SWCB.A-5 - P.SWCB.A-4  | 135.92             | 18               | 0.37%            | 1090.93          | 1091.45          | 0.28                 | 0.45              | 0.84                | 0.23    | 0.38     | 0.11        | 5                  | 5           | 0.825          | 0               | 3.444             | 3.444                | 1.95            | 1.95             | 1092.99       | 1093.11       |
| 5                    | P.SWCB.A-6 | P.SWCB.A-6 - P.SWCB.A-5  | 93.01              | 18               | 0.37%            | 1091.65          | 1091.99          | 0.17                 | 0.17              | 0.83                | 0.14    | 0.14     | 0.11        | 5                  | 0           | 0.486          | 0               | 1.318             | 1.318                | 3.35            | 3.35             | 1093.02       | 1092.96       |

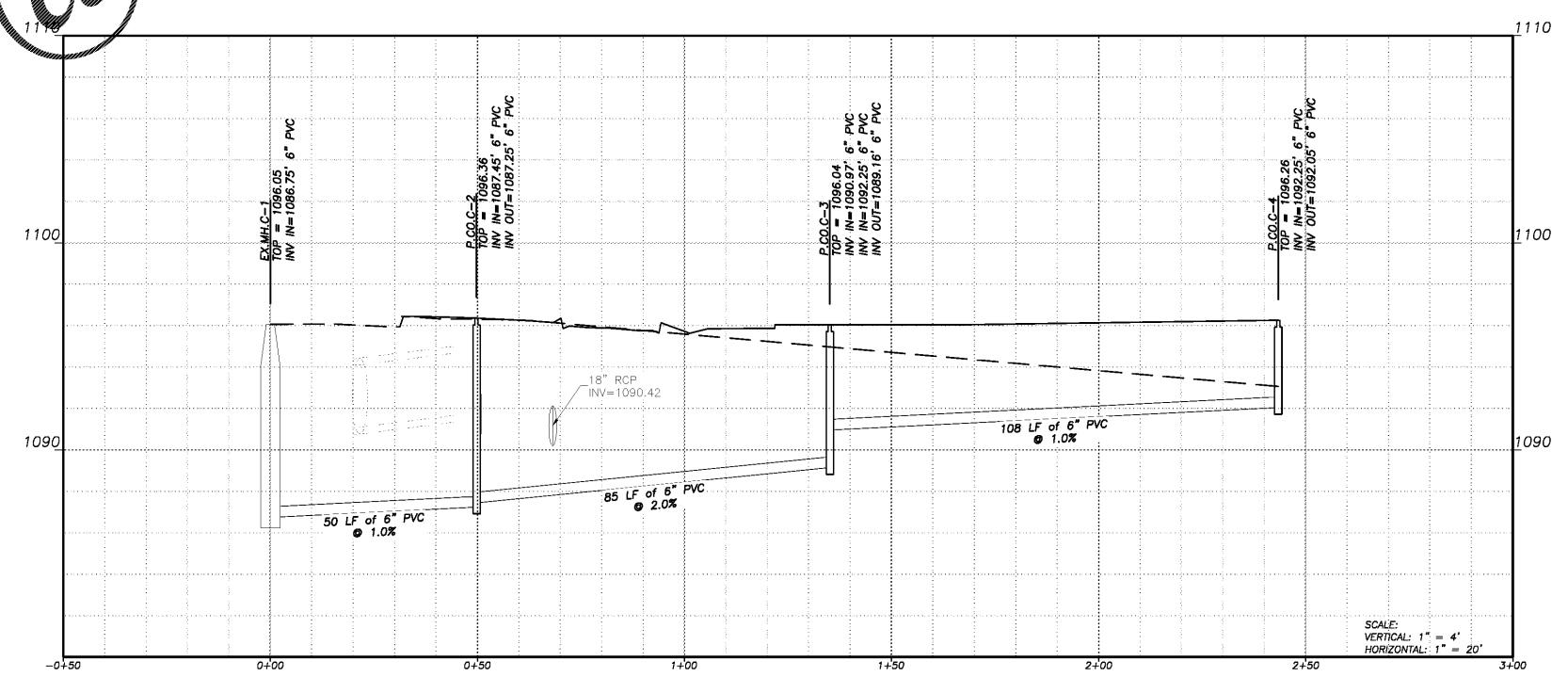
| 100 - YEAR PIPE CHART |           |                      |                    |                  |                  |                  |                  |                      |                   |                     |         |          |             |                    |             |                |                 |                   |                      |                 |                  |               |               |
|-----------------------|-----------|----------------------|--------------------|------------------|------------------|------------------|------------------|----------------------|-------------------|---------------------|---------|----------|-------------|--------------------|-------------|----------------|-----------------|-------------------|----------------------|-----------------|------------------|---------------|---------------|
| LineNo.               | Inlet ID  | LineID               | LineLength<br>(ft) | LineSize<br>(IN) | LineSlope<br>(%) | InvertDN<br>(ft) | InvertUP<br>(ft) | DrainageArea<br>(ac) | TotalArea<br>(ac) | Runoff Coeff<br>(C) | IncrCxA | TotalCxA | n-valuePipe | InletTime<br>(min) | Tc<br>(min) | IncrQ<br>(cfs) | KnownQ<br>(cfs) | FlowRate<br>(cfs) | TotalRunoff<br>(cfs) | VelDn<br>(ft/s) | VelAve<br>(ft/s) | HGLDn<br>(ft) | HGLUp<br>(ft) |
| 1                     | P.OCS.B-2 | P.OCS.B-2 - P.HW.B-1 | 50.36              | 30               | 0.71%            | 1089.14          | 1089.5           | 0                    | 0                 | 0                   | 0       | 0        | 0.11        | 0                  | 0           | 19.33          | 19.33           | 19.33             | 0                    | 7.705           | 7.705            | 1090.41       | 1090.77       |



STORM SEWER LINE PROFILE A



STORM SEWER LINE B PROFILE



SANITARY SEWER LINE C PROFILE

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SHEET  
**7**  
 OF  
**16**  
 DATE: 07/24/20  
 SCALE: N.T.S.  
 JOB NO.: 0220052.DWG  
 REV'D BY: EWH  
 DRAWN BY: JRS