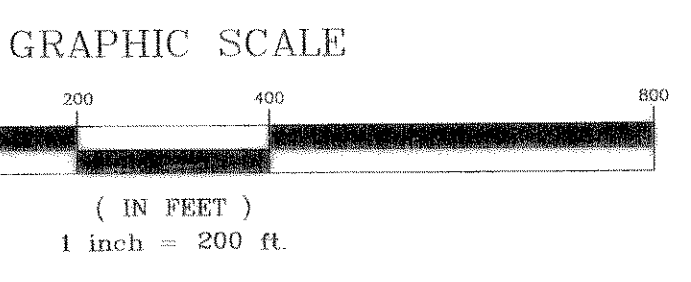
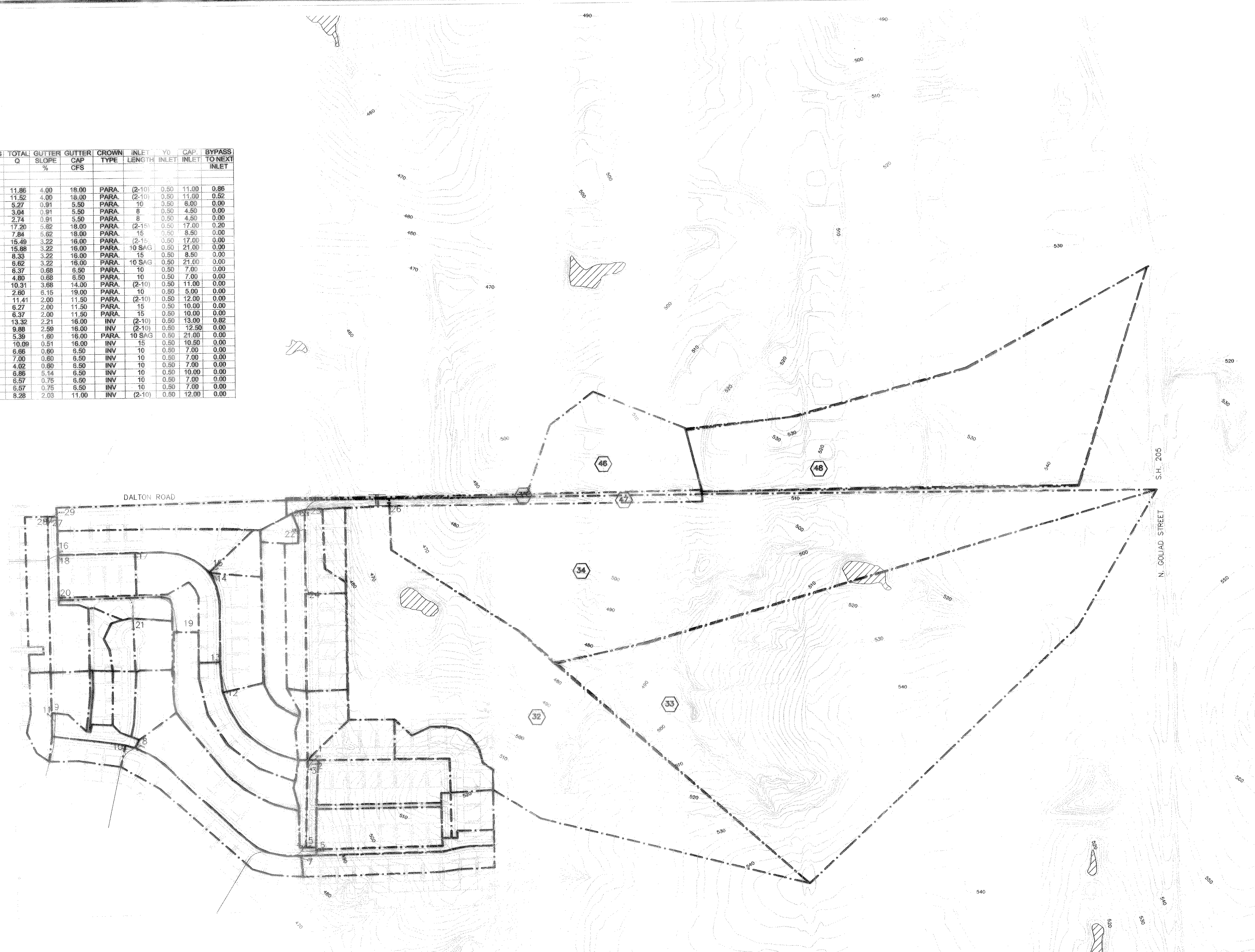


| INLET No. | DRAIN AREA SERVED | DESIGN FREQ. | TIME TC | INTEN I | DEV. RUNOFF C | DRAIN AREA | DEV. Q | BYPASS FROM INLET | TOTAL Q | GUTTER SLOPE % | GUTTER CAP CFS | CROWN TYPE | INLET LENGTH | Y0 INLET | GAP INLET | BYPASS TO NEXT INLET |
|-----------|-------------------|--------------|---------|---------|---------------|------------|--------|-------------------|---------|----------------|----------------|------------|--------------|----------|-----------|----------------------|
| 1         | 2.2A              | 100          | 10      | 9.80    | 0.50          | 2.42       | 11.86  |                   | 11.86   | 4.00           | 18.00          | PARA.      | (2-10)       | 0.50     | 11.00     | 0.86                 |
| 2         | 3                 | 100          | 10      | 9.80    | 0.50          | 2.35       | 11.52  |                   | 11.52   | 4.00           | 18.00          | PARA.      | (2-10)       | 0.50     | 11.00     | 0.52                 |
| 3         | 27                | 100          | 10      | 9.80    | 0.50          | 0.81       | 3.97   | 1.30              | 5.27    | 0.91           | 5.50           | PARA.      | 10           | 0.50     | 6.00      | 0.00                 |
| 4         | 9.26              | 100          | 10      | 9.80    | 0.50          | 0.62       | 3.04   |                   | 3.04    | 0.91           | 5.50           | PARA.      | 8            | 0.50     | 4.50      | 0.00                 |
| 5         | 8.3A              | 100          | 10      | 9.80    | 0.50          | 0.56       | 2.74   |                   | 2.74    | 0.91           | 5.50           | PARA.      | 8            | 0.50     | 4.50      | 0.00                 |
| 6         | 1.4,5,6           | 100          | 10      | 9.80    | 0.50          | 3.51       | 17.20  |                   | 17.20   | 5.62           | 18.00          | PARA.      | (2-15)       | 0.50     | 17.00     | 0.20                 |
| 7         | 7                 | 100          | 10      | 9.80    | 0.50          | 1.60       | 7.84   |                   | 7.84    | 5.62           | 18.00          | PARA.      | 15           | 0.50     | 8.50      | 0.00                 |
| 8         | 11                | 100          | 10      | 9.80    | 0.50          | 3.12       | 15.29  | 0.20              | 15.49   | 3.22           | 16.00          | PARA.      | (2-15)       | 0.50     | 17.00     | 0.00                 |
| 9         | 13,15-17,19       | 100          | 10      | 9.80    | 0.50          | 3.24       | 15.88  |                   | 15.88   | 3.22           | 16.00          | PARA.      | 10 SAG       | 0.50     | 21.00     | 0.00                 |
| 10        | 10                | 100          | 10      | 9.80    | 0.50          | 1.70       | 8.33   |                   | 8.33    | 3.22           | 16.00          | PARA.      | 15           | 0.50     | 8.50      | 0.00                 |
| 11        | 14,12             | 100          | 10      | 9.80    | 0.50          | 1.35       | 6.82   |                   | 6.82    | 3.22           | 16.00          | PARA.      | 10 SAG       | 0.50     | 21.00     | 0.00                 |
| 12        | 25                | 100          | 10      | 9.80    | 0.50          | 1.30       | 6.37   |                   | 6.37    | 0.68           | 6.50           | PARA.      | 10           | 0.50     | 7.00      | 0.00                 |
| 13        | 23                | 100          | 10      | 9.80    | 0.50          | 0.98       | 4.80   |                   | 4.80    | 0.68           | 6.50           | PARA.      | 10           | 0.50     | 7.00      | 0.00                 |
| 14        | 37                | 100          | 10      | 9.80    | 0.50          | 2.10       | 10.29  | 0.02              | 10.31   | 3.68           | 14.00          | PARA.      | (2-10)       | 0.50     | 11.00     | 0.00                 |
| 15        | 37-A              | 100          | 10      | 9.80    | 0.50          | 0.53       | 2.60   |                   | 2.60    | 6.15           | 19.00          | PARA.      | 10           | 0.50     | 5.00      | 0.00                 |
| 16        | 38                | 100          | 10      | 9.80    | 0.50          | 2.33       | 11.41  |                   | 11.41   | 2.00           | 11.50          | PARA.      | (2-10)       | 0.50     | 12.00     | 0.00                 |
| 17        | 39                | 100          | 10      | 9.80    | 0.50          | 1.28       | 6.27   |                   | 6.27    | 2.00           | 11.50          | PARA.      | 15           | 0.50     | 10.00     | 0.00                 |
| 18        | 22                | 100          | 10      | 9.80    | 0.50          | 1.30       | 6.37   |                   | 6.37    | 2.00           | 11.50          | PARA.      | 15           | 0.50     | 10.00     | 0.00                 |
| 19        | 21                | 100          | 10      | 9.80    | 0.50          | 2.72       | 13.32  |                   | 13.32   | 2.21           | 21.00          | INV        | (2-10)       | 0.50     | 13.00     | 0.82                 |
| 20        | 40,41,42          | 100          | 10      | 9.80    | 0.50          | 1.85       | 9.06   | 0.82              | 9.88    | 2.98           | 16.00          | INV        | (2-10)       | 0.50     | 12.50     | 0.00                 |
| 21        | 18,20             | 100          | 10      | 9.80    | 0.50          | 1.10       | 5.39   |                   | 5.39    | 1.60           | 16.00          | PARA.      | 10 SAG       | 0.50     | 21.00     | 0.00                 |
| 22        | 24,25-A           | 100          | 10      | 9.80    | 0.50          | 2.06       | 10.09  |                   | 10.09   | 0.51           | 16.00          | INV        | 15           | 0.50     | 10.50     | 0.00                 |
| 23        | 29                | 100          | 10      | 9.80    | 0.50          | 1.18       | 5.78   |                   | 6.66    | 0.60           | 6.50           | INV        | 10           | 0.50     | 7.00      | 0.00                 |
| 24        | 28                | 100          | 10      | 9.80    | 0.50          | 1.43       | 7.00   |                   | 7.00    | 0.60           | 6.50           | INV        | 10           | 0.50     | 7.00      | 0.00                 |
| 25        | 28-A              | 100          | 10      | 9.80    | 0.50          | 0.82       | 4.02   |                   | 4.02    | 0.60           | 6.50           | INV        | 10           | 0.50     | 7.00      | 0.00                 |
| 26        | 31,47             | 100          | 10      | 9.80    | 0.50          | 1.40       | 6.86   |                   | 6.86    | 5.14           | 8.50           | INV        | 10           | 0.50     | 7.00      | 0.00                 |
| 27        | 44                | 100          | 10      | 9.80    | 0.50          | 1.34       | 6.57   |                   | 6.57    | 0.75           | 6.50           | INV        | 10           | 0.50     | 7.00      | 0.00                 |
| 28        | 45                | 100          | 10      | 9.80    | 0.50          | 1.34       | 6.57   |                   | 6.57    | 0.75           | 6.50           | INV        | 10           | 0.50     | 7.00      | 0.00                 |
| 29        | 36                | 100          | 10      | 9.80    | 0.50          | 1.69       | 8.28   |                   | 8.28    | 2.03           | 11.00          | INV        | (2-10)       | 0.50     | 12.00     | 0.00                 |



BENCHMARK:  
 CITY OF DALLAS MONUMENT NO. EEB1D  
 ON NORTH SIDE OF DALTON ROAD 685±  
 EAST OF NORTHWEST CORNER OF THIS  
 TRACT. ELEV=483.08

REVISED TO CONFORM TO CONSTRUCTION RECORDS.  
 [Signature]  
 DATE: 11/25/02

THE SEAL APPEARING ON THIS  
 DRAWING WAS ISSUED BY  
 W.L. DOUPHRADE II  
 LICENSED PROFESSIONAL ENGINEER  
 IN THE STATE OF TEXAS  
 NO. 60102 ON 12/18/04

DOUPHRADE & ASSOCIATES, INC.  
 ENGINEERING - PROJECT MANAGEMENT - SURVEYING  
 2255 RIDGE RD., # 200 ROCKWALL, TEXAS 75087  
 PHONE: (972)771-9004 FAX: (972)771-9005

OFF-SITE DRAINAGE MAP  
 PROMENADE HARBOR  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS

REVISION  
 W.L.D.  
 CHECKED  
 K.E.B.  
 DRAWN  
 9/01  
 DATE  
 0050DAMI  
 PROJECT  
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