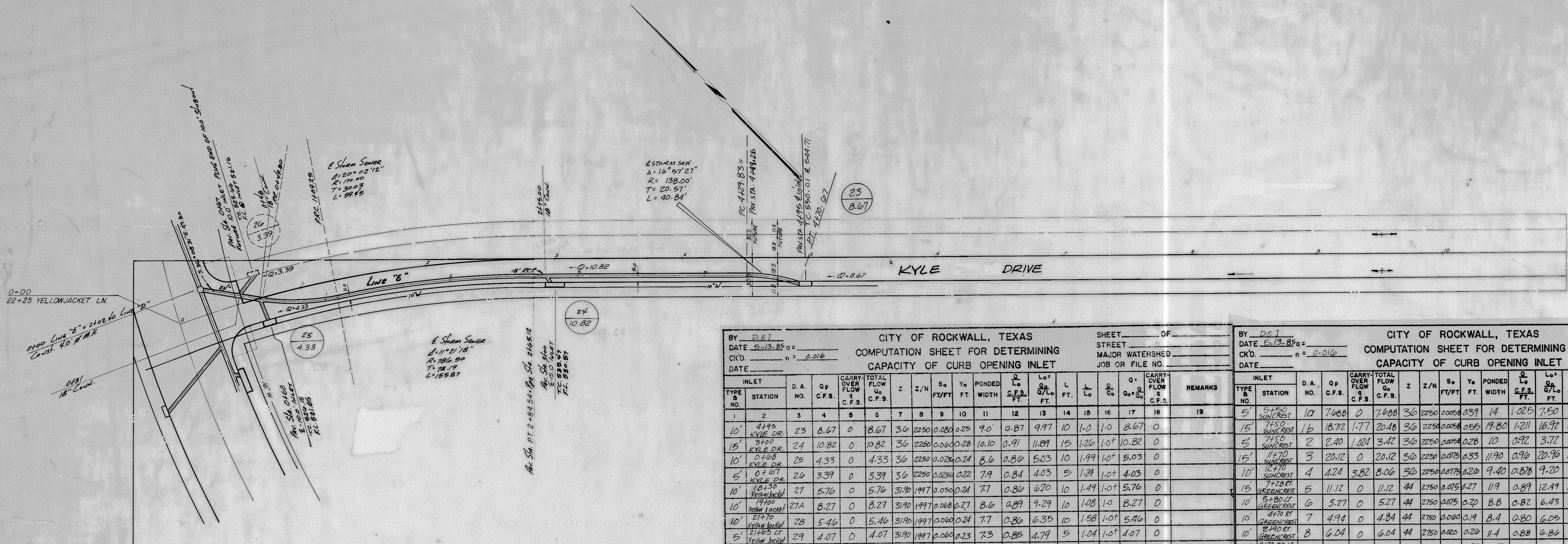
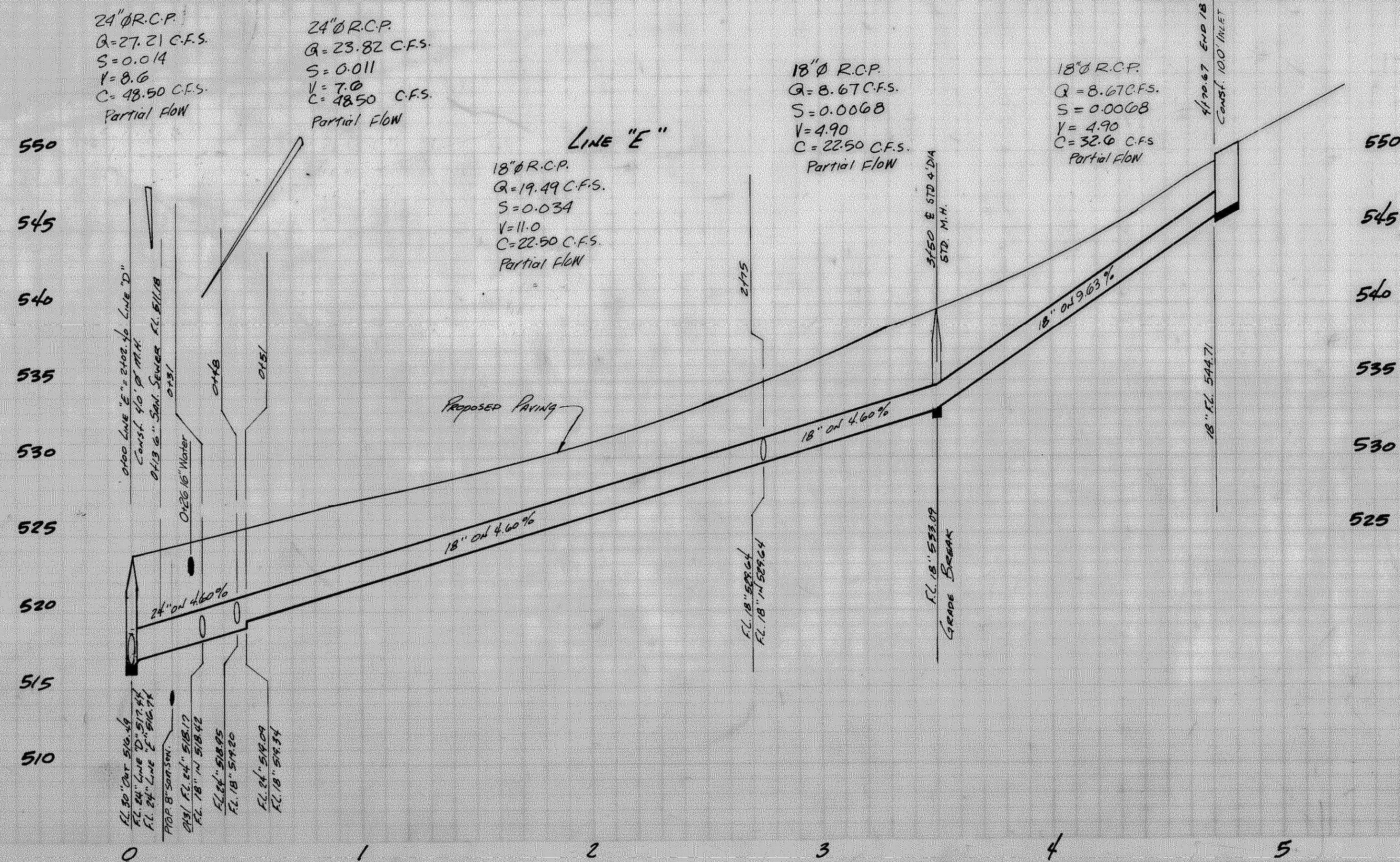




| CITY OF ROCKWALL, TEXAS<br>COMPUTATION SHEET FOR DETERMINING<br>CAPACITY OF CURB OPENING INLET |                        |          |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         | CITY OF ROCKWALL, TEXAS<br>COMPUTATION SHEET FOR DETERMINING<br>CAPACITY OF CURB OPENING INLET |                       |          |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         |
|------------------------------------------------------------------------------------------------|------------------------|----------|-----------|------------------------|----------------------|-------|------|----------|-------|--------------|-----------|--------------|------|-------|-----------|---------------|------------------------|---------|------------------------------------------------------------------------------------------------|-----------------------|----------|-----------|------------------------|----------------------|-------|------|----------|-------|--------------|-----------|--------------|------|-------|-----------|---------------|------------------------|---------|
| BY: <u>DET</u><br>DATE: <u>5-13-85</u><br>CK'D: <u>n = 0.016</u><br>DATE: _____                |                        |          |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         | BY: <u>DET</u><br>DATE: <u>5-13-85</u><br>CK'D: <u>n = 0.016</u><br>DATE: _____                |                       |          |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         |
| SHEET _____ OF _____<br>STREET _____<br>MAJOR WATERSHED _____<br>JOB OR FILE NO. _____         |                        |          |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         | SHEET _____ OF _____<br>STREET _____<br>MAJOR WATERSHED _____<br>JOB OR FILE NO. _____         |                       |          |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         |
| INLET                                                                                          |                        | D.A. NO. | Qp C.F.S. | CARRY-OVER FLOW C.F.S. | TOTAL FLOW Qo C.F.S. | Z     | Z/N  | So FT/FT | Yo FT | PONDED WIDTH | Qo C.F.S. | Lo+ Qo/Lo FT | L FT | Lo FT | Qo C.F.S. | Qo+ Qo C.F.S. | CARRY-OVER FLOW C.F.S. | REMARKS | INLET                                                                                          |                       | D.A. NO. | Qp C.F.S. | CARRY-OVER FLOW C.F.S. | TOTAL FLOW Qo C.F.S. | Z     | Z/N  | So FT/FT | Yo FT | PONDED WIDTH | Qo C.F.S. | Lo+ Qo/Lo FT | L FT | Lo FT | Qo C.F.S. | Qo+ Qo C.F.S. | CARRY-OVER FLOW C.F.S. | REMARKS |
| TYPE & NO.                                                                                     | STATION                |          |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         |                                                                                                | TYPE & NO.            | STATION  |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         |
| 1                                                                                              | 2                      | 3        | 4         | 5                      | 6                    | 7     | 8    | 9        | 10    | 11           | 12        | 13           | 14   | 15    | 16        | 17            | 18                     | 19      | 5                                                                                              | 5+50 SUNCREST         | 10       | 7.688     | 0                      | 7.688                | 3.0   | 2250 | 0.0058   | 0.39  | 14           | 1.025     | 7.50         | 5    | 0.67  | 0.71      | 5.92          | 1.77                   |         |
| 10'                                                                                            | 4+95 KYIE DR.          | 23       | 8.67      | 0                      | 8.67                 | 3.0   | 2250 | 0.0280   | 0.25  | 9.0          | 0.87      | 9.97         | 10   | 1.0   | 1.0       | 8.67          | 0                      |         | 15                                                                                             | 7+50 SUNCREST         | 16       | 18.712    | 1.77                   | 20.18                | 3.0   | 2250 | 0.0058   | 0.39  | 19.80        | 1.211     | 16.92        | 15   | 0.89  | 0.95      | 19.46         | 1.024                  | SAG     |
| 15'                                                                                            | 3+00 KYIE DR.          | 24       | 10.82     | 0                      | 10.82                | 3.0   | 2250 | 0.0600   | 0.28  | 10.10        | 0.91      | 11.89        | 15   | 1.26  | 1.0+      | 10.82         | 0                      |         | 5                                                                                              | 7+50 SUNCREST         | 2        | 2.40      | 1.024                  | 3.42                 | 3.0   | 2250 | 0.0058   | 0.28  | 10           | 0.92      | 3.72         | 5    | 1.35  | 1         | 3.42          | 0                      | SAG     |
| 10'                                                                                            | 0+108 KYIE DR.         | 25       | 4.33      | 0                      | 4.33                 | 3.0   | 2250 | 0.0234   | 0.24  | 8.6          | 0.80      | 5.03         | 10   | 1.99  | 1.0+      | 5.03          | 0                      |         | 15                                                                                             | 11+70 SUNCREST        | 3        | 20.12     | 0                      | 20.12                | 3.0   | 2250 | 0.0075   | 0.33  | 11.90        | 0.96      | 20.96        | 15   | 0.72  | 0.81      | 16.30         | 3.82                   |         |
| 5'                                                                                             | 0+107 KYIE DR.         | 26       | 3.39      | 0                      | 3.39                 | 3.0   | 2250 | 0.0234   | 0.22  | 7.9          | 0.84      | 4.03         | 5    | 1.84  | 1.0+      | 4.03          | 0                      |         | 10                                                                                             | 10+70 SUNCREST        | 4        | 4.24      | 3.82                   | 8.06                 | 3.0   | 2250 | 0.0075   | 0.20  | 9.40         | 0.878     | 9.20         | 10   | 1.40  | 1         | 8.00          | 0                      |         |
| 10'                                                                                            | 10+30 Yellow Jacket    | 27       | 5.76      | 0                      | 5.76                 | 3.190 | 1997 | 0.050    | 0.24  | 7.7          | 0.80      | 6.70         | 10   | 1.49  | 1.0+      | 5.76          | 0                      |         | 15                                                                                             | 7+20 RT GREENCREST    | 5        | 11.12     | 0                      | 11.12                | 44    | 2750 | 0.0075   | 0.27  | 11.9         | 0.89      | 12.49        | 15   | 1.20  | 10        | 11.12         | 0                      |         |
| 10'                                                                                            | 19+00 Yellow Jacket    | 27A      | 8.27      | 0                      | 8.27                 | 3.190 | 1997 | 0.068    | 0.27  | 8.6          | 0.89      | 9.29         | 10   | 1.08  | 1.0       | 8.27          | 0                      |         | 10                                                                                             | 5+80 RT GREENCREST    | 6        | 5.27      | 0                      | 5.27                 | 44    | 2750 | 0.0075   | 0.20  | 8.8          | 0.82      | 6.43         | 10   | 1.66  | 1.0+      | 5.27          | 0                      |         |
| 10'                                                                                            | 21+70 Yellow Jacket    | 28       | 5.46      | 0                      | 5.46                 | 3.190 | 1997 | 0.060    | 0.24  | 7.7          | 0.80      | 6.35         | 10   | 1.58  | 1.0+      | 5.46          | 0                      |         | 10                                                                                             | 4+70 RT GREENCREST    | 7        | 4.94      | 0                      | 4.94                 | 44    | 2750 | 0.0080   | 0.19  | 8.4          | 0.80      | 6.05         | 10   | 1.65  | 1.0+      | 4.94          | 0                      |         |
| 5'                                                                                             | 23+81.50 Yellow Jacket | 29       | 4.07      | 0                      | 4.07                 | 3.190 | 1997 | 0.060    | 0.23  | 7.3          | 0.85      | 4.79         | 5    | 1.04  | 1.0+      | 4.07          | 0                      |         | 10                                                                                             | 2+40 RT GREENCREST    | 8        | 6.04      | 0                      | 6.04                 | 44    | 2750 | 0.0020   | 0.20  | 11.4         | 0.88      | 6.86         | 10   | 1.46  | 1.0+      | 6.04          | 0                      |         |
| 10'                                                                                            | 24+07 Yellow Jacket    | 30       | 5.92      | 0                      | 5.92                 | 3.190 | 1997 | 0.040    | 0.26  | 8.3          | 0.84      | 7.05         | 10   | 1.42  | 1.0+      | 5.92          | 0                      | SAG     | 5                                                                                              | 0+70 50 RT GREENCREST | 10       | 2.02      | 0                      | 2.02                 | 44    | 2750 | 0.005    | 0.25  | 10.12        | 0.85      | 2.38         | 5    | 2.10  | 1.0+      | 2.02          | 0                      |         |
| 10'                                                                                            | 24+07 Yellow Jacket    | 31       | 12.56     | 0                      | 12.56                | 3.190 | 1997 | 0.040    | 0.35  | 11.2         | 0.97      | 12.95        | 10   | 0.77  | 0.84      | 12.56         | 0                      | SAG     | 5                                                                                              | 0+70 50 RT GREENCREST | 11       | 2.10      | 0                      | 2.10                 | 44    | 2750 | 0.01     | 0.20  | 8.8          | 0.82      | 2.56         | 5    | 1.95  | 1.0+      | 2.10          | 0                      |         |
| 20'                                                                                            | 11+00 Yellow Jacket    | 12       | 19.39     | 0                      | 19.39                | 3.190 | 1997 | 0.050    | 0.40  | 12.80        | 1.03      | 18.8         | 20   | 1.06  | 1.0       | 19.39         | 0                      |         | 5                                                                                              | 2+78 50 RT GREENCREST | 17       | 3.76      | 0                      | 3.76                 | 3.190 | 1997 | 0.005    | 0.33  | 10.5         | 0.95      | 3.96         | 5    | 1.20  | 1.0+      | 3.76          | 0                      | SAG     |
| 10'                                                                                            | 8+00 Yellow Jacket     | 13       | 7.70      | 0                      | 7.70                 | 3.190 | 1997 | 0.015    | 0.25  | 8.0          | 0.87      | 8.85         | 10   | 1.13  | 1.0+      | 7.70          | 0                      |         | 5                                                                                              | 2+78 50 RT GREENCREST | 18       | 1.27      | 0                      | 1.27                 | 3.190 | 1997 | 0.005    | 0.21  | 6.7          | 0.82      | 1.55         | 5    | 3.23  | 1.0+      | 1.27          | 0                      | SAG     |
| 5'                                                                                             | 14                     | 14       | 1.27      | 0                      | 1.27                 | 3.190 | 1997 | 0.070    | 0.15  | 4.1          | 0.74      | 1.72         | 5    | 2.91  | 1.0+      | 1.27          | 0                      |         |                                                                                                |                       |          |           |                        |                      |       |      |          |       |              |           |              |      |       |           |               |                        |         |



AS BUILT

| STORM SEWER PLANS                     |       |           |                       |       |      |     |        |
|---------------------------------------|-------|-----------|-----------------------|-------|------|-----|--------|
| LINE "E"                              |       |           |                       |       |      |     |        |
| GOLDENCREST                           |       |           |                       |       |      |     |        |
| CITY OF ROCKWALL, TEXAS               |       |           |                       |       |      |     |        |
| HAROLD L. EVANS & CONSULTING ENGINEER |       |           |                       |       |      |     |        |
| DESIGN                                | DRAWN | DATE      | SCALE                 | NOTES | FILE | NO. |        |
| DEJ                                   | MLP   | MAY, 1985 | 1"=40' H.<br>1"=6' V. |       |      |     | 8214-A |