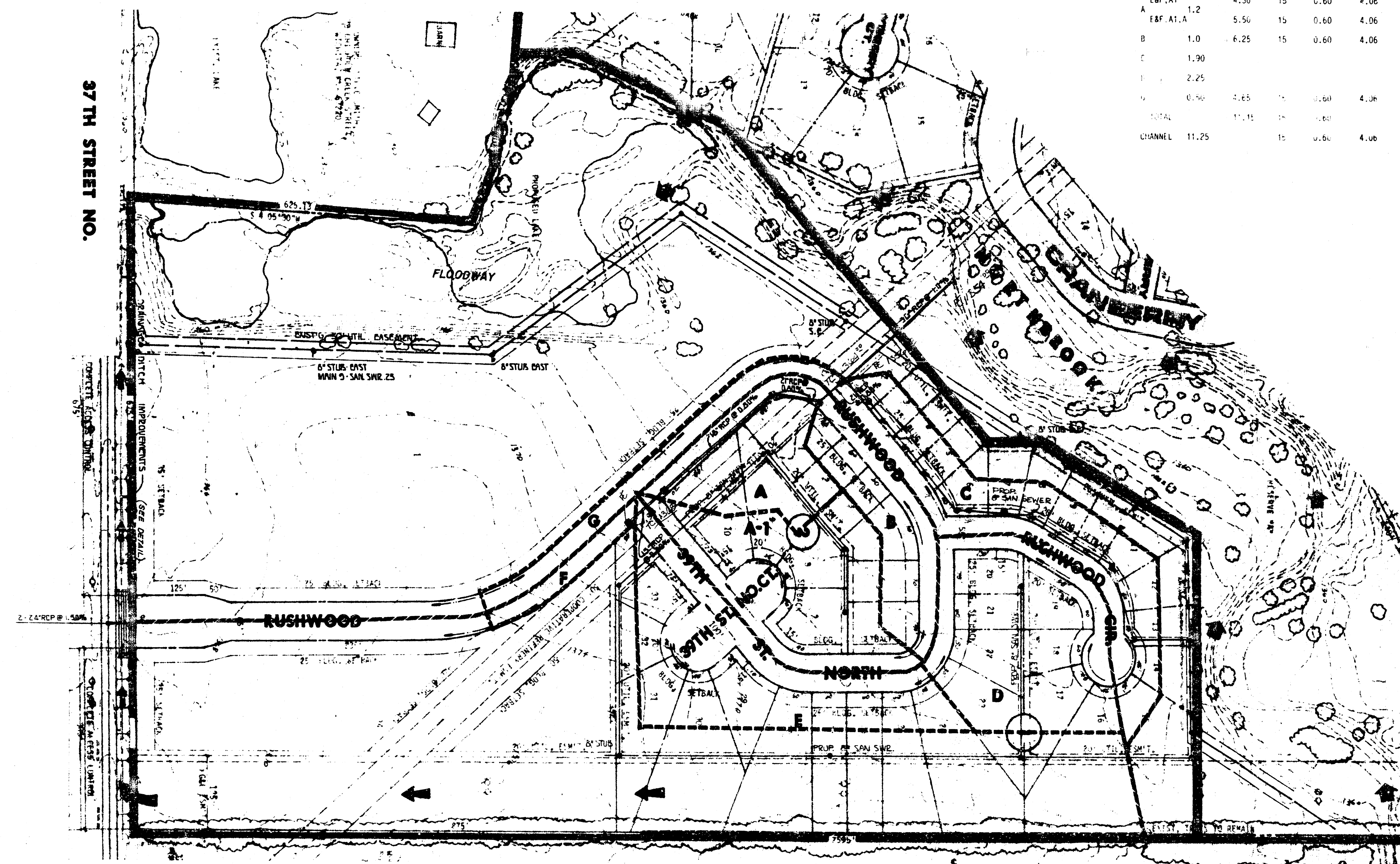


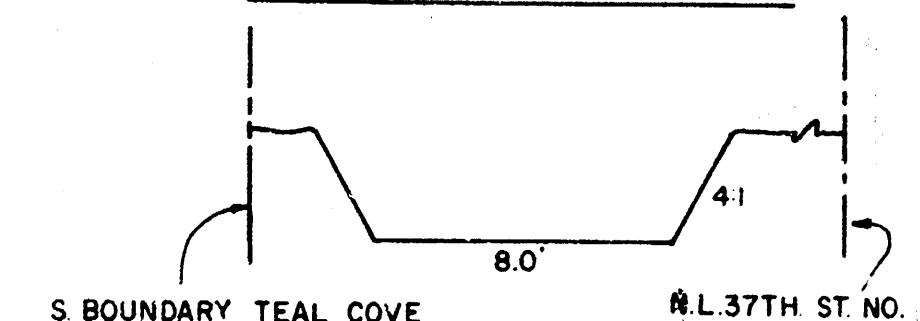
TEAL COVE ADDITION  
(Drainage)

| NODE    | AREA<br>ACRES | AREA<br>ACC. | T.C.<br>MILES | C    | $\frac{1}{2}$ | $\frac{1}{101}$ | $Q_2$ | $Q_{100}$ | PIPE SIZE | PIPE SLOPE    |
|---------|---------------|--------------|---------------|------|---------------|-----------------|-------|-----------|-----------|---------------|
| E       | 2.15          |              |               |      |               |                 |       |           |           |               |
| F       | 0.25          |              |               |      |               |                 |       |           |           |               |
| A1      | 1.9           | 2.40         | 15            | 0.60 | 4.06          | 8.98            | 5.85  | 12.93     | 15"       | 0.50% 1 INLET |
| A       | 1.2           | 4.30         | 15            | 0.60 | 4.06          | 8.98            | 10.47 | 23.17     | 18"       | 0.60 1 INLET  |
| B       | 1.0           | 5.50         | 15            | 0.60 | 4.06          | 8.98            | 13.40 | 29.63     | 21"       | 0.80 2 INLETS |
| C       | 1.90          | 6.25         | 15            | 0.60 | 4.06          | 8.98            | 15.23 | 33.68     | 21"       | 0.80 2 INLETS |
| D       | 2.25          |              |               |      |               |                 |       |           |           |               |
| N       | 0.50          | 2.25         | 15            | 0.60 | 4.06          | 8.98            | 11.33 | 25.05     |           | 2 INLETS      |
| TOTAL   | 11.11         | 11.11        | 15            | 0.60 | 4.06          | 8.98            | 60.08 | 36"       | 1.00%     |               |
| CHANNEL | 11.25         |              | 15            | 0.60 | 4.06          | 8.98            | 27.41 | 60.62     | 2-24"     | 1.5%          |

N  
1"=100'



TYPICAL CHANNEL DETAIL



NOTE: AN ADEQUATE STORM DRAINAGE SYSTEM  
SHALL BE INSTALLED AT THE TIME OF  
DEVELOPMENT OF LOTS 1833, BLOCK 1.



**TEAL COVE  
DRAINAGE PLAN**

MID-KANSAS ENGINEERING CONSULTANTS PA  
240 NORTH ROCK ROAD  
SUITE 130  
WICHITA, KANSAS 67206

682-6561

|            |   |
|------------|---|
| Design     |   |
| Checked by |   |
| Drawn      |   |
| Scale      |   |
| Sheet      | 1 |
| of         | 1 |