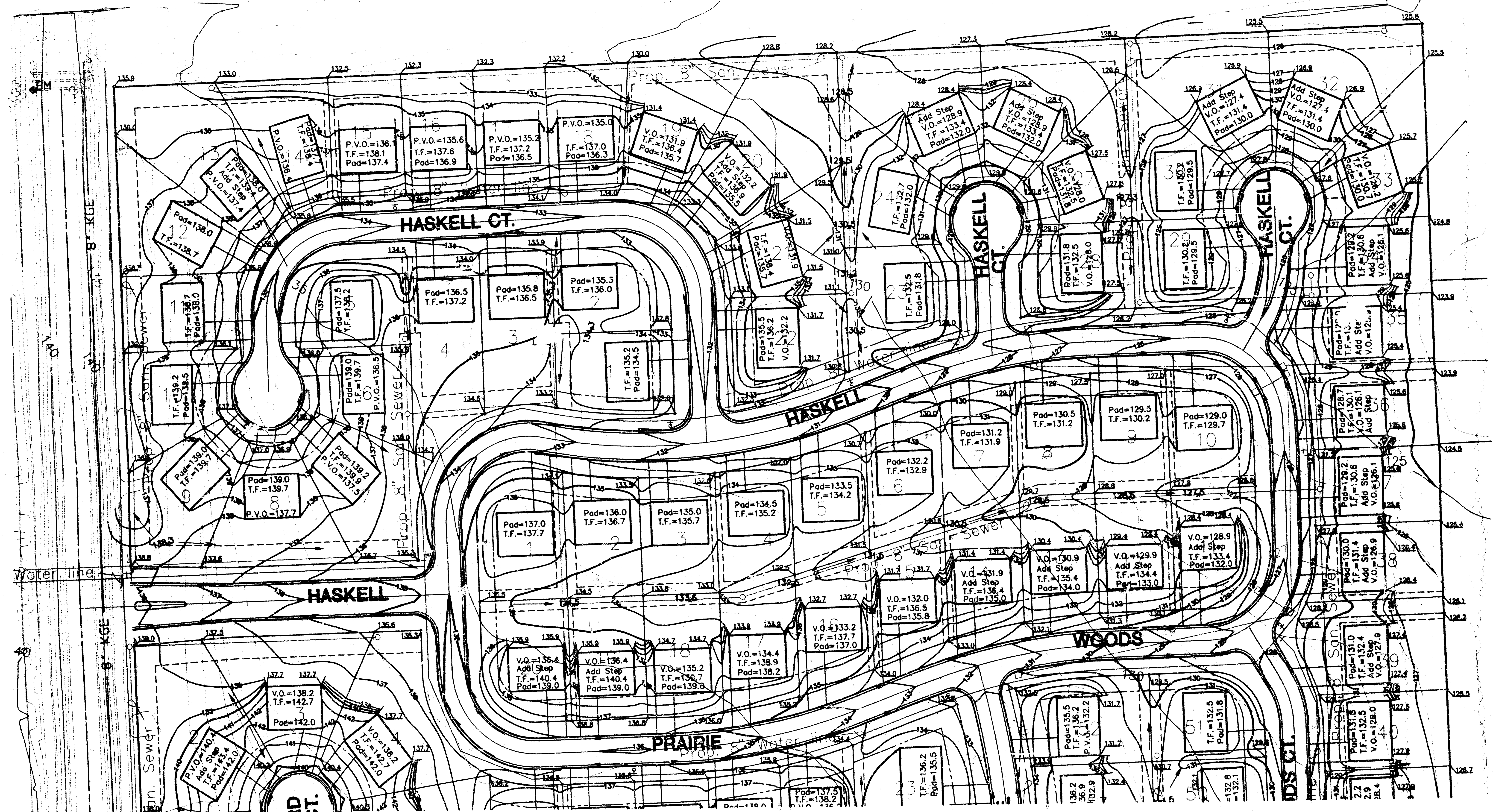


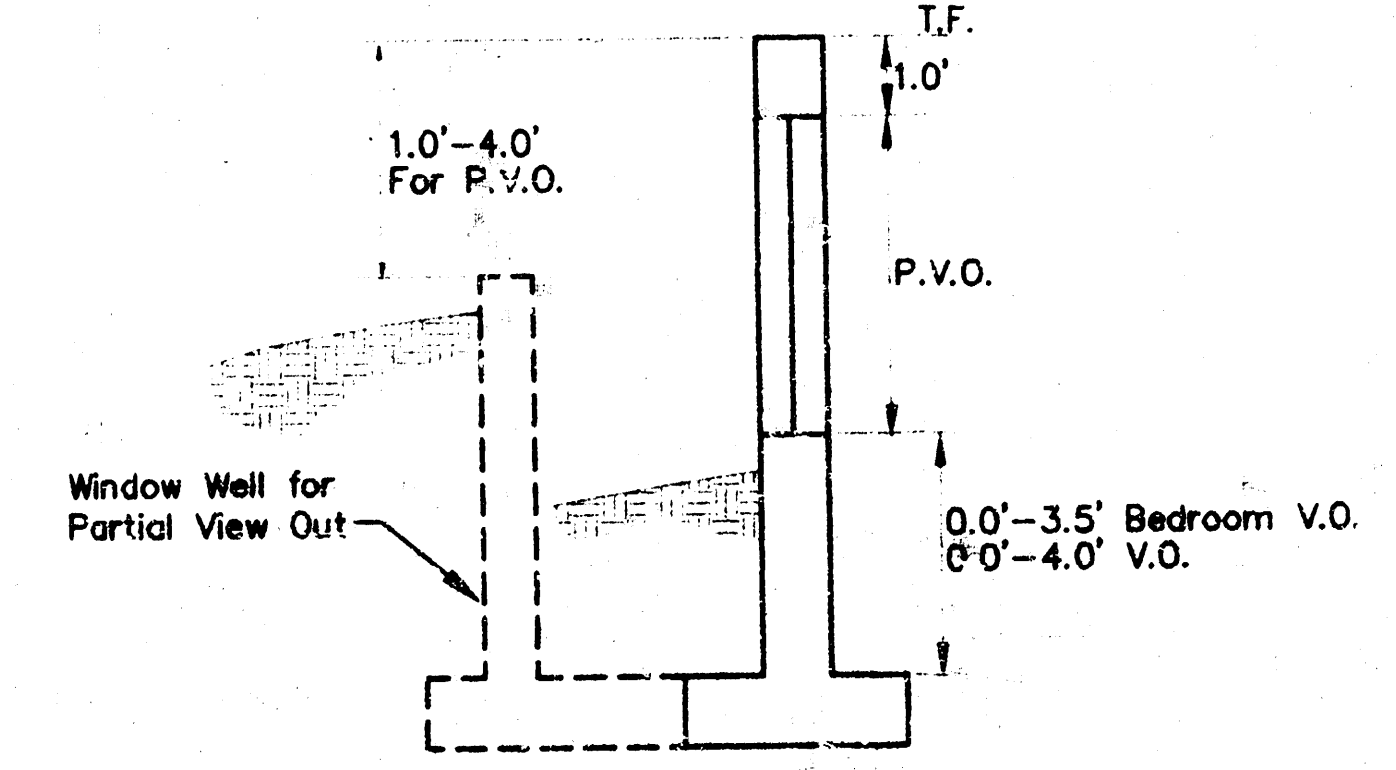


**LEGEND**

|                   |                                   |
|-------------------|-----------------------------------|
| 135.0             | Proposed Elevations               |
| 135.0             | Proposed Elevations               |
| V.O.              | Top of View Wall Elevation        |
| T.F.              | Top of Foundation                 |
| Pad               | Elevation @ Garage Door Elevation |
| P.V.O. (See Note) | Partial View Wall Elevation       |
| 140               | Proposed Contour                  |
| →                 | Flow Arrow                        |

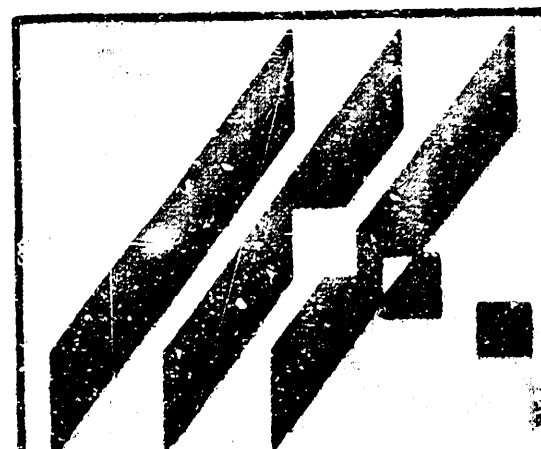
Note: P.V.O.'s may be V.O.'s depending on the number of steps added.

Builders shall drop siding or brick ledges or build a retaining wall to transition between properties.



VIEW OUT & PARTIAL VIEW OUT DETAIL

**APPROVED  
DRAINAGE PLAN**



**PRAIRIE WOODS**  
PROJECT NAME

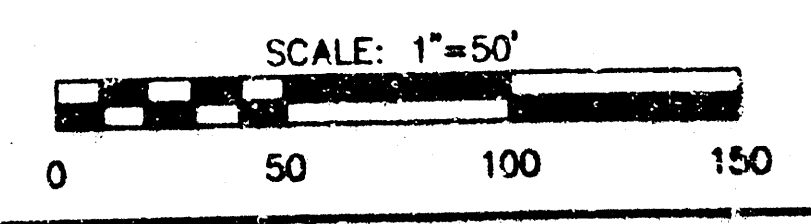
**GRADING PLAN**  
SHEET TITLE

MID-KANSAS ENGINEERING  
CONSULTANTS, INC.  
411 N. WEBB ROAD  
WICHITA, KS. 67206  
316-684-9600

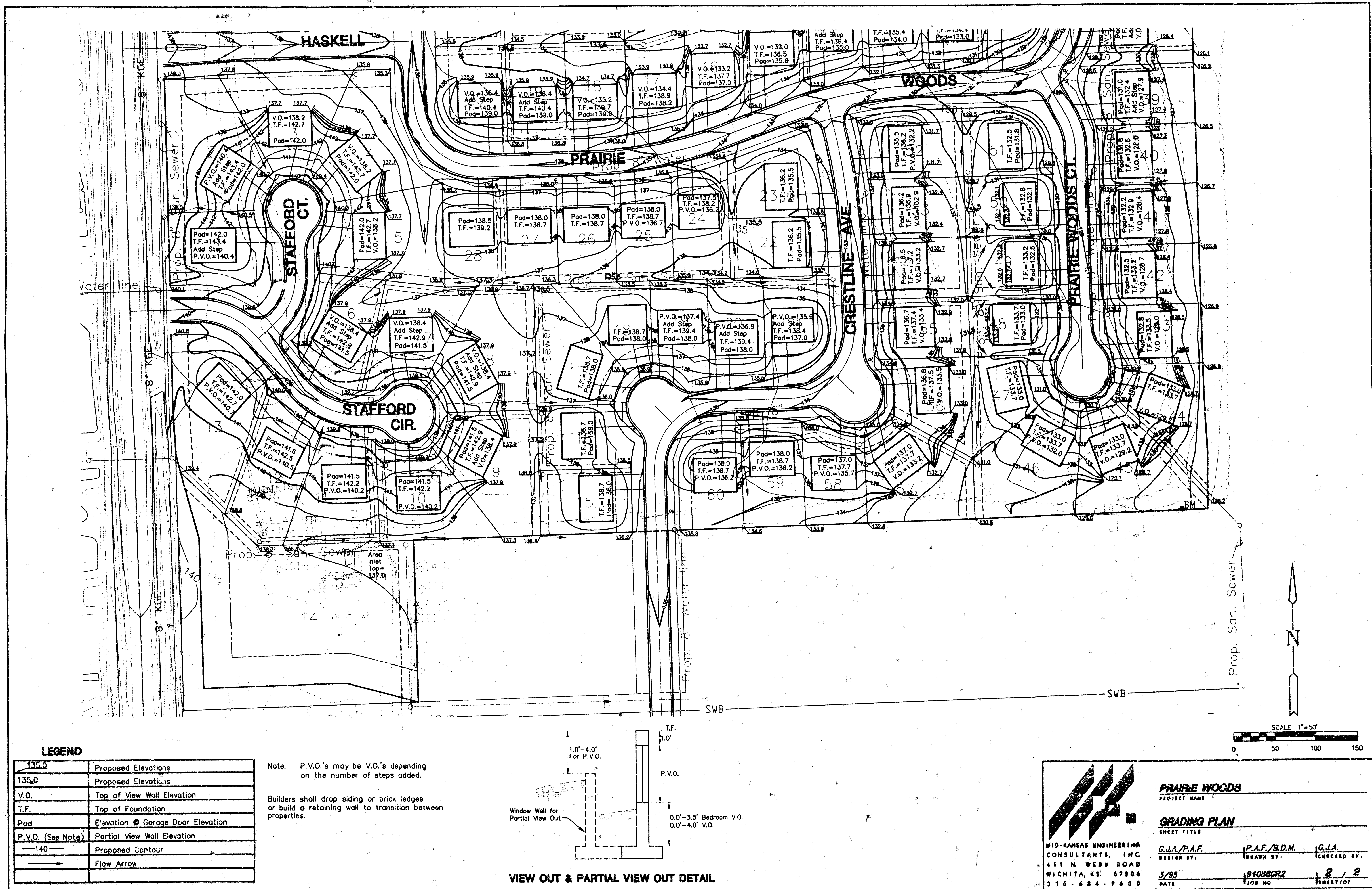
G.J.A./P.A.F.  
DESIGN BY:  
3/95  
DATE

P.A.F./B.D.M.  
DRAWN BY:  
94088GR1  
JOB NO.

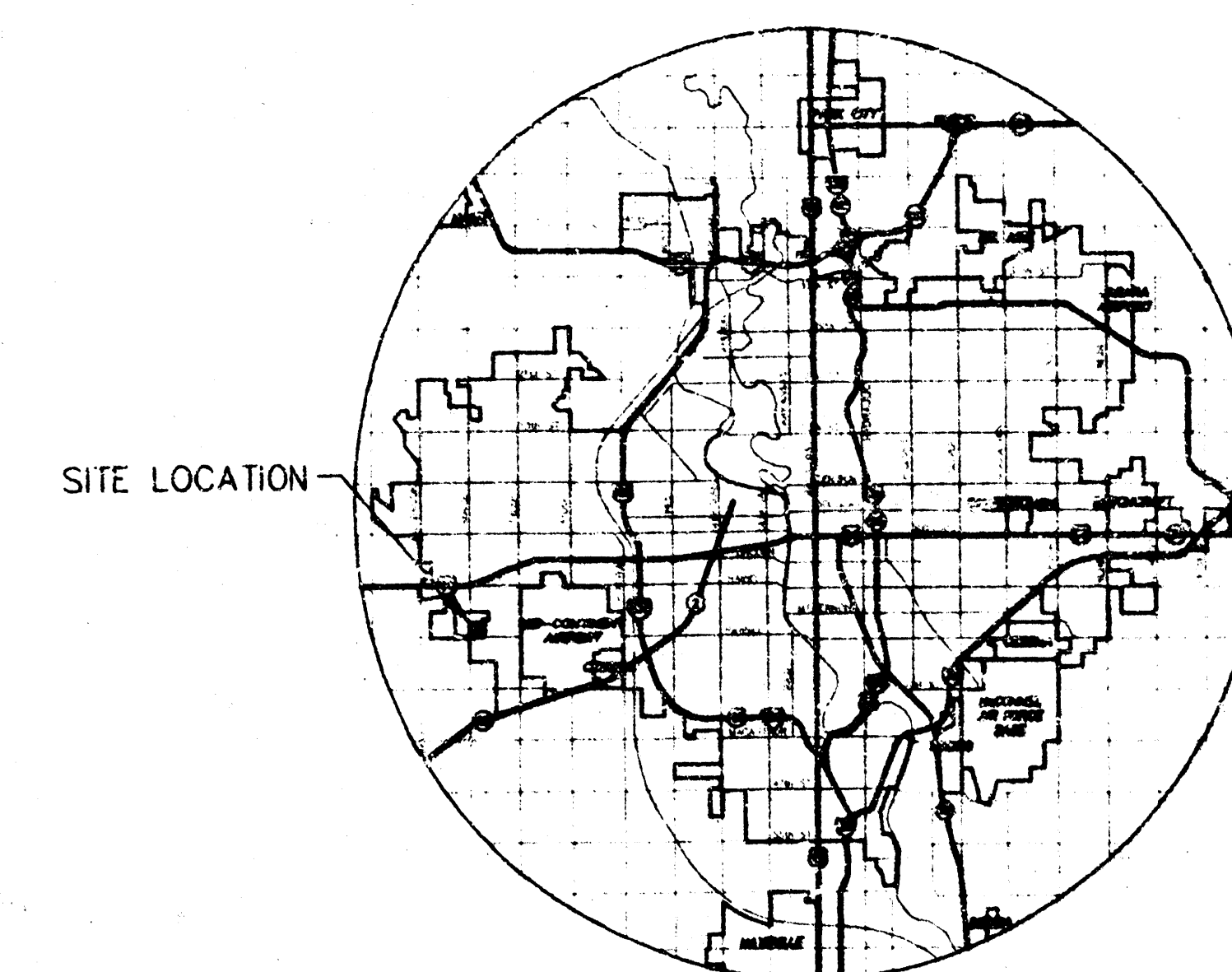
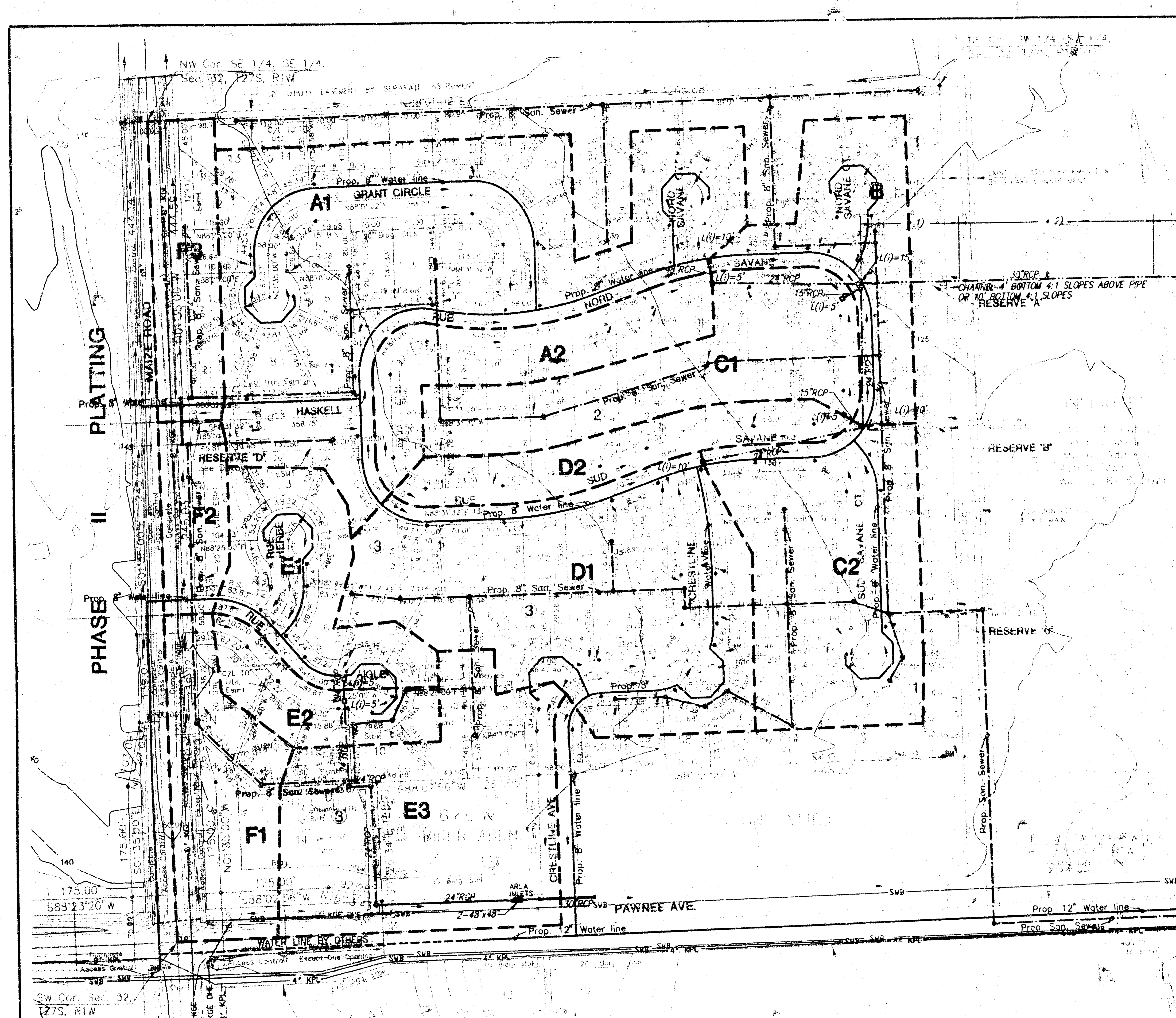
G.J.A.  
CHECKED BY:  
1 / 2  
SHEET/TOT











LOCATION MAP

LE SAVANE PARC EST DRAINAGE TABLE

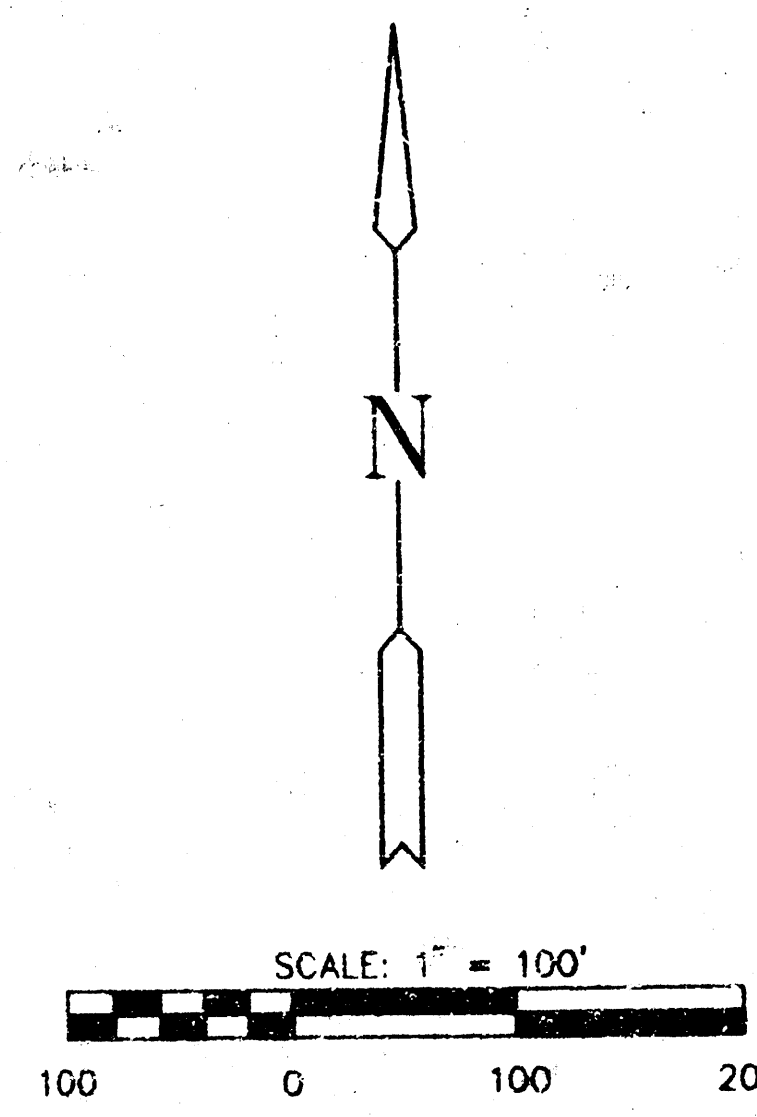
| DRAINAGE AREA    | ACRES | ACCU | C2   | C5   | C100 | TC2  | TC5  | TC100 | IP 100 | IS 100 | 1100 | Q2   | Q5   | Q100 | PIPE SIZE | PIPE SLOPE | INLET                  |
|------------------|-------|------|------|------|------|------|------|-------|--------|--------|------|------|------|------|-----------|------------|------------------------|
| A1               | 6.47  | ---  | 0.44 | 0.46 | 0.61 | 25.9 | 25.6 | 23.3  | 2.9    | 2.9    | 6.13 | 9.3  | 8.6  | 24.2 | 10"       | 0.42       | 11(1)=10" BYPASS       |
| A2               | 1.49  | ---  | 0.44 | 0.46 | 0.61 | 17.3 | 17   | 13    | 3.61   | 4.31   | 7.37 | 2.4  | 3.0  | 6.7  | ---       | ---        | 11(1)=5" BYPASS        |
| A1+A2            | 7.96  | ---  | 0.44 | 0.46 | 0.61 | 25.9 | 25.6 | 23.3  | 2.9    | 2.9    | 6.13 | 10.2 | 10.6 | 29.7 | 24"       | 0.38X      | ---                    |
| D1               | 4.8   | ---  | 0.44 | 0.46 | 0.61 | 21.9 | 21.4 | 17.8  | 3.17   | 3.9    | 6.84 | 6.7  | 8.6  | 20.0 | 24"       | 0.38X      | 11(1)=10" BYPASS       |
| D2               | 3.11  | ---  | 0.44 | 0.46 | 0.61 | 21.5 | 21   | 17.4  | 3.17   | 3.9    | 7.0  | 6.4  | 8.6  | 13.3 | ---       | ---        | 11(1)=10" BYPASS       |
| D2               | 1.22  | ---  | 0.44 | 0.46 | 0.61 | 15   | 15   | 15    | 3.83   | 4.56   | 7.37 | 2.1  | 2.6  | 5.5  | 15"       | 0.42       | 11(1)=5" BYPASS        |
| D2+D1+D2         | 9.13  | ---  | 0.44 | 0.46 | 0.61 | 24.5 | 24.0 | 20.1  | 2.96   | 3.65   | 6.53 | 11.9 | 15.3 | 36.4 | 24"       | 0.38X      | 11(1)=10" BYPASS       |
| C1               | 2.34  | ---  | 0.45 | 0.47 | 0.63 | 29.1 | 28.2 | 21.1  | 2.72   | 3.37   | 6.39 | 2.9  | 3.7  | 9.4  | 15"       | 0.42       | 11(1)=5" (SLUMP)       |
| B                | 1.74  | ---  | 0.48 | 0.51 | 0.68 | 15   | 15   | 15    | 3.83   | 4.56   | 7.37 | 3.2  | 4    | 8.7  | ---       | ---        | ---                    |
| A1+A2+B+C1+D2+D1 | 21.17 | ---  | 0.44 | 0.46 | 0.61 | 28.5 | 28.2 | 25.9  | 2.72   | 3.37   | 6.39 | 25.3 | 32.8 | 74.8 | 30"       | 0.42       | 11(1)=10" (SLUMP)      |
| E1               | 1.74  | ---  | 0.44 | 0.46 | 0.61 | 15   | 15   | 15    | 3.83   | 4.56   | 7.37 | 2.9  | 3.6  | 7.8  | 24"       | 0.38X      | 11(1)=5" (SLUMP)       |
| E2               | 0.81  | ---  | 0.44 | 0.46 | 0.61 | 15   | 15   | 15    | 3.83   | 4.56   | 7.37 | 1.4  | 1.7  | 3.6  | ---       | ---        | 11(1)=5" (SLUMP)       |
| E1+E2            | 2.55  | ---  | 0.44 | 0.46 | 0.61 | 15   | 15   | 15    | 3.83   | 4.56   | 7.37 | 4.3  | 5.3  | 11.5 | 24"       | 0.38X      | ---                    |
| E3               | 3.62  | ---  | 0.44 | 0.46 | 0.61 | 27.2 | 26.3 | 20.1  | 2.84   | 3.5    | 6.53 | 4.5  | 5.8  | 14.4 | ---       | ---        | 2(48"x48") AREA INLETS |
| E1+E2+E3         | 6.17  | ---  | 0.44 | 0.46 | 0.61 | 27.2 | 26.3 | 20.1  | 2.84   | 3.5    | 6.53 | 7.7  | 9.9  | 24.6 | 30"       | 0.42       | ---                    |
| F2               | 0.73  | ---  | 0.44 | 0.46 | 0.61 | 28   | 27.2 | 20.8  | 2.78   | 3.43   | 6.39 | 0.9  | 1.2  | 2.8  | 15"       | 0.42       | CROSS INLET            |

IN SEQUENCE TO STREAM:  
 #1) CHANNEL-150' 4" BOTTOM 4:1 SLOPES (Y=1.90') OVER 30" RCP  
 #2) CHANNEL-150' 4" BOTTOM 4:1 SLOPES (Y=1.90') OVER 30" RCP OR CHANNEL-350' 10" BOTTOM 4:1 SLOPES (Y=2.09)  
 #3) CHANNEL-500' 10" BOTTOM 4:1 SLOPES (Y=2.09) OVER 30" RCP

C FACTORS FROM:  
 SOIL TYPE B 1/4 ACRE RESIDENTIAL  
 SOIL TYPE C 1/4 ACRE RESIDENTIAL

LEGEND

- SAN. SEWER
- WATER
- STORM SEWER
- DRAINAGE DIVIDE
- WATER LINE BY OTHERS
- DIRECTION OF FLOW



**LE SAVANE PARC EST**  
PROJECT NAME

**DRAINAGE & UTILITY PLAN**  
SHEET TITLE

MID-KANSAS ENGINEERING  
CONSULTANTS, INC.  
411 N. WEBB ROAD  
WICHITA, KS. 67206  
316-684-9600

P.A.F.  
DESIGN BY:

B.D.M.  
DRAWN BY:

G.J.A.  
CHECKED BY:

12/8/94  
DATE

100-PLAN  
JOB NO.

1 / 1  
SHEET/OF