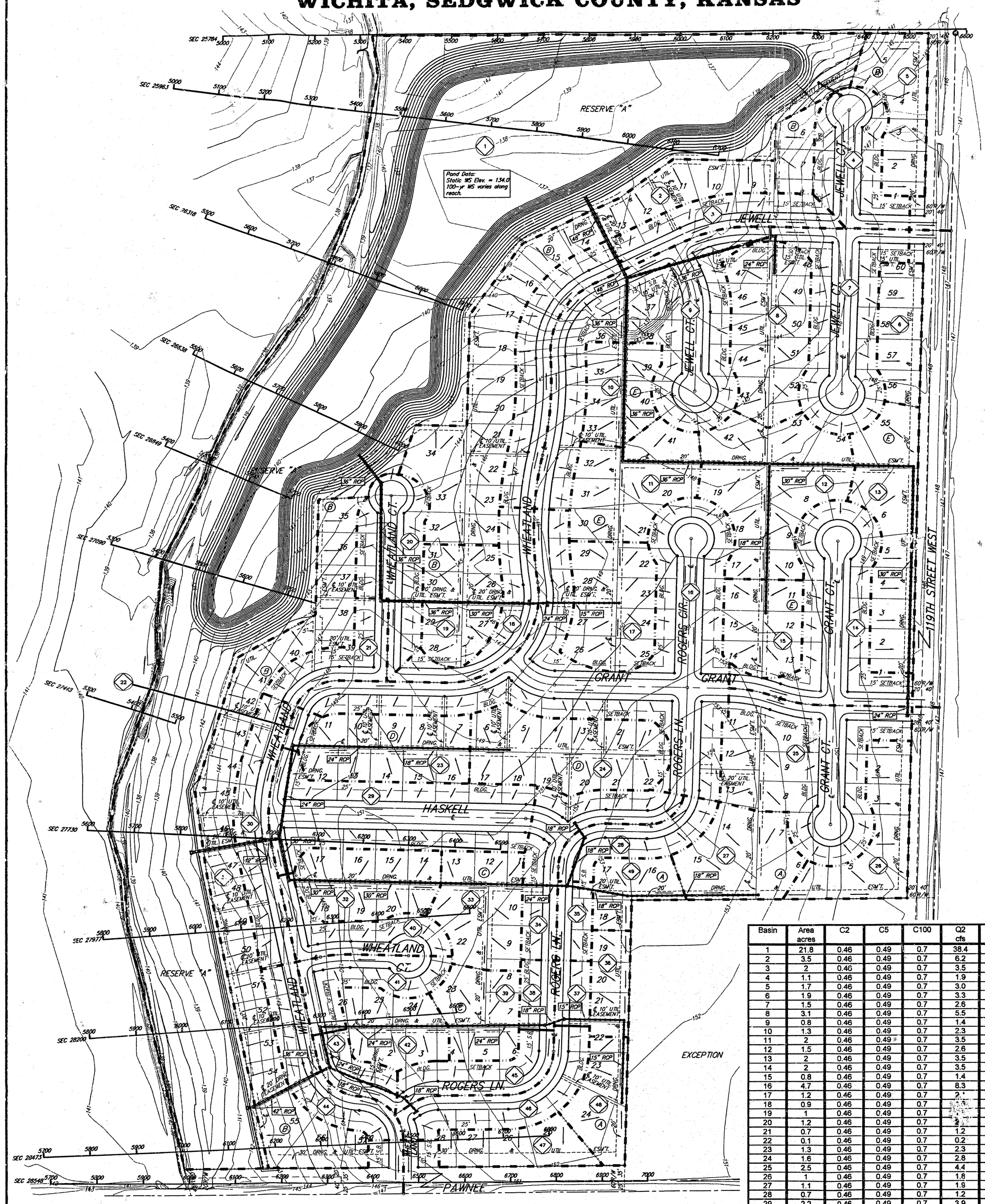
# DRAINAGE PLAN
# TURKEY CREEK ADDITION
## WICHITA, SEDGWICK COUNTY, KANSAS




| Basin | Area acres | C2 | C5 | C100 | Q2 cfs | Q5 cfs | Q100 cfs |
|---|---|---|---|---|---|---|---|
| 1 | 21.8 | 0.46 | 0.49 | 0.7 | 38.4 | 48.7 | 112.5 |
| 2 | 3.5 | 0.46 | 0.49 | 0.7 | 6.2 | 7.8 | 18.1 |
| 3 | 2 | 0.46 | 0.49 | 0.7 | 3.5 | 4.5 | 10.3 |
| 4 | 1.1 | 0.46 | 0.49 | 0.7 | 1.9 | 2.5 | 5.7 |
| 5 | 1.7 | 0.46 | 0.49 | 0.7 | 3.0 | 3.8 | 8.8 |
| 6 | 1.9 | 0.46 | 0.49 | 0.7 | 3.3 | 4.2 | 9.8 |
| 7 | 1.5 | 0.46 | 0.49 | 0.7 | 2.6 | 3.4 | 7.7 |
| 8 | 3.1 | 0.46 | 0.49 | 0.7 | 5.5 | 6.9 | 16.0 |
| 9 | 0.8 | 0.46 | 0.49 | 0.7 | 1.4 | 1.8 | 4.1 |
| 10 | 1.3 | 0.46 | 0.49 | 0.7 | 2.3 | 2.9 | 6.7 |
| 11 | 2 | 0.46 | 0.49 | 0.7 | 3.5 | 4.5 | 10.3 |
| 12 | 1.5 | 0.46 | 0.49 | 0.7 | 2.6 | 3.4 | 7.7 |
| 13 | 2 | 0.46 | 0.49 | 0.7 | 3.5 | 4.5 | 10.3 |
| 14 | 2 | 0.46 | 0.49 | 0.7 | 3.5 | 4.5 | 10.3 |
| 15 | 0.8 | 0.46 | 0.49 | 0.7 | 1.4 | 1.8 | 4.1 |
| 16 | 4.7 | 0.46 | 0.49 | 0.7 | 8.3 | 10.5 | 24.2 |
| 17 | 1.2 | 0.46 | 0.49 | 0.7 | 2.[illegible] | 2.7 | 6.2 |
| 18 | 0.9 | 0.46 | 0.49 | 0.7 | [illegible] | 2.0 | 4.6 |
| 19 | 1 | 0.46 | 0.49 | 0.7 | [illegible] | 2.2 | 5.2 |
| 20 | 1.2 | 0.46 | 0.49 | 0.7 | [illegible] | 2.7 | 6.2 |
| 21 | 0.7 | 0.46 | 0.49 | 0.7 | 1.2 | 1.6 | 3.6 |
| 22 | 0.1 | 0.46 | 0.49 | 0.7 | 0.2 | 0.2 | 0.5 |
| 23 | 1.3 | 0.46 | 0.49 | 0.7 | 2.3 | 2.9 | 6.7 |
| 24 | 1.6 | 0.46 | 0.49 | 0.7 | 2.8 | 3.6 | 8.3 |
| 25 | 2.5 | 0.46 | 0.49 | 0.7 | 4.4 | 5.6 | 12.9 |
| 26 | 1 | 0.46 | 0.49 | 0.7 | 1.8 | 2.2 | 5.2 |
| 27 | 1.1 | 0.46 | 0.49 | 0.7 | 1.9 | 2.5 | 5.7 |
| 28 | 0.7 | 0.46 | 0.49 | 0.7 | 1.2 | 1.6 | 3.6 |
| 29 | 2.2 | 0.46 | 0.49 | 0.7 | 3.9 | 4.9 | 11.3 |
| 30 | 1.1 | 0.46 | 0.49 | 0.7 | 1.9 | 2.5 | 5.7 |
| 31 | 3.4 | 0.46 | 0.49 | 0.7 | 6.0 | 7.6 | 17.5 |
| 32 | 1.1 | 0.46 | 0.49 | 0.7 | 1.9 | 2.5 | 5.7 |
| 33 | 1.1 | 0.46 | 0.49 | 0.7 | 1.9 | 2.5 | 5.7 |
| 34 | 1.1 | 0.46 | 0.49 | 0.7 | 1.9 | 2.5 | 5.7 |
| 35 | 0.3 | 0.46 | 0.49 | 0.7 | 0.5 | 0.7 | 1.5 |
| 36 | 0.5 | 0.46 | 0.49 | 0.7 | 0.9 | 1.1 | 2.6 |
| 37 | 0.3 | 0.46 | 0.49 | 0.7 | 0.5 | 0.7 | 1.5 |
| 38 | 0.3 | 0.46 | 0.49 | 0.7 | 0.5 | 0.7 | 1.5 |
| 39 | 0.8 | 0.46 | 0.49 | 0.7 | 1.4 | 1.8 | 4.1 |
| 40 | 0.7 | 0.46 | 0.49 | 0.7 | 1.2 | 1.6 | 3.6 |
| 41 | 0.8 | 0.46 | 0.49 | 0.7 | 1.4 | 1.8 | 4.1 |
| 42 | 0.8 | 0.46 | 0.49 | 0.7 | 1.4 | 1.8 | 4.1 |
| 43 | 0.4 | 0.46 | 0.49 | 0.7 | 0.7 | 0.9 | 2.1 |
| 44 | 0.9 | 0.46 | 0.49 | 0.7 | 1.6 | 2.0 | 4.6 |
| 45 | 0.7 | 0.46 | 0.49 | 0.7 | 1.2 | 1.6 | 3.6 |
| 46 | 0.9 | 0.46 | 0.49 | 0.7 | 1.6 | 2.0 | 4.6 |
| 47 | 0.7 | 0.46 | 0.49 | 0.7 | 1.2 | 1.6 | 3.6 |
| 48 | 0.7 | 0.46 | 0.49 | 0.7 | 1.2 | 1.6 | 3.6 |
| 49 | 0.6 | 0.46 | 0.49 | 0.7 | 1.1 | 1.3 | 3.1 |

| Section | Existing WS Elev. | Proposed WS Elev. |
|---|---|---|
| 25654 | 138.6 | 138.6 |
| 25707 | 138.7 | 138.7 |
| 25757 | 138.9 | 138.9 |
| 25784 | 139.0 | 139.0 |
| 25963 | 140.2 | 139.4 |
| 28318 | 141.1 | 139.5 |
| 26638 | 141.7 | 139.8 |
| 26849 | 142.0 | 140.0 |
| 27090 | 142.6 | 140.4 |
| 27448 | 143.2 | 141.7 |
| 27730 | 143.7 | 143.4 |
| 27977 | 144.0 | 143.8 |
| 28200 | 144.1 | 144.0 |
| 28473 | 144.4 | 144.3 |
| 28548 | 144.4 | 144.4 |

0 100 200

DATE OF PREPARATION: 9 FEBRUARY 2004

| MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES | | |
|---|---|---|
| LOT | BLOCK | ELEVATION CITY DATUM |
| 5–7 | B | 140.0 |
| 9–17 | B | 141.2 |
| 35–37 | B | 143.0 |
| 40–43 | B | 143.5 |
| 44–46 | B | 144.2 |
| 47–49 | B | 144.7 |
| 50–52 | B | 145.0 |
| 53–55 | B | 145.1 |

BENCHMARK:
119TH ST. W. & PAWNEE
CITY OF WICHITA BENCHMARK DISC
NE. CORNER OF INTERSECTION
40.00' E. OF ℄
30.00' N. OF ℄
59.50' N. OF P.P. AT SE. COR. OF INTERSECTION
156.80' NNE. OF ℄ OF E. CONC. HEADWALL ON CULVERT UNDER 119TH ST. W.
ELEV. = 148.68 CITY DATUM
(PER COUNTY RECORD)

NOTE:
A master grading plan for drainage has been developed for this subdivision and is on file with the City of Wichita, Kansas. All drainage easements, right-of-ways, or reserves shall remain at established grades or as modified with the approval of the City Engineer of the City of Wichita, Kansas. No obstructions which impede the flow of this drainage system be allowed.

BRIAN L. GLENN
LICENSED
16284
KANSAS
PROFESSIONAL ENGINEER
02/11/2004

11 FEBRUARY 2004

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