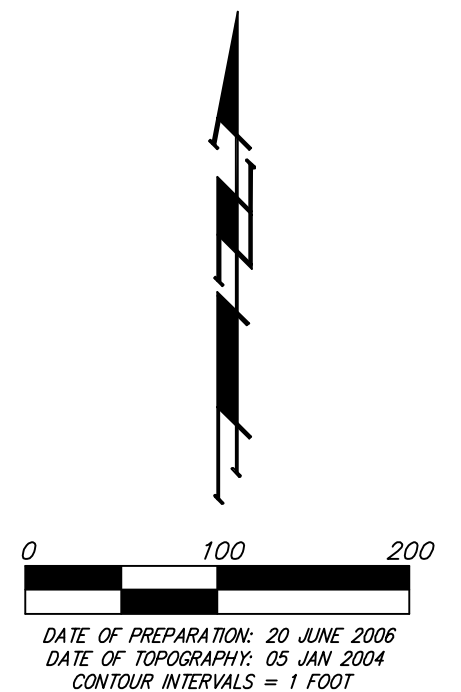


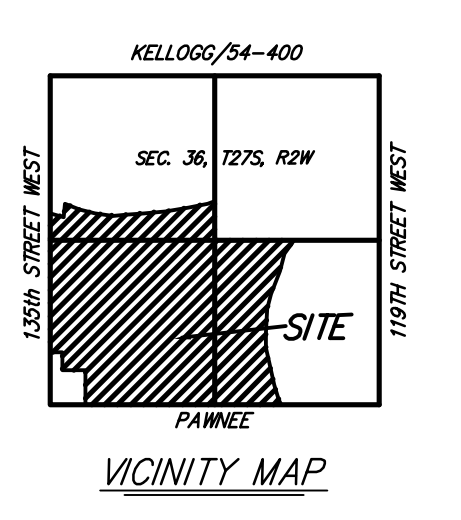
DRAINAGE PLAN

TURKEY CREEK 3RD ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



DATE OF PREPARATION: 20 JUNE 2006
 DATE OF TOPOGRAPHY: 05 JAN 2004
 CONTOUR INTERVALS = 1 FOOT



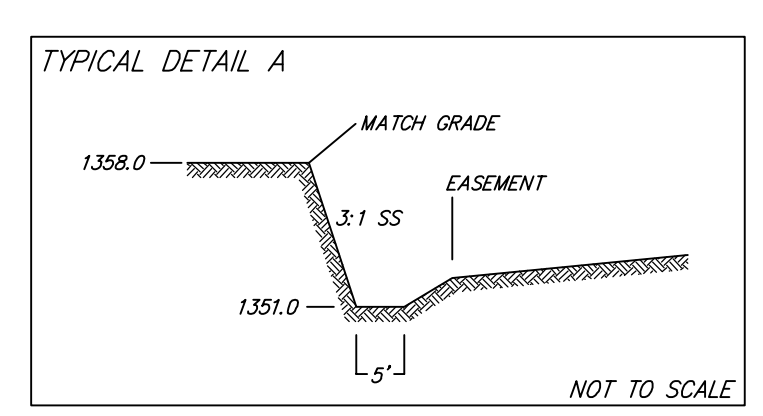
| Existing | 2yr | 5yr | 100yr | Developed | | | |
|------------|------|------|-----------|------------|------|------|-------|
| | | | | Intensity | 2yr | 5yr | 100yr |
| 3.83 | 4.56 | 7.37 | Intensity | 3.83 | 4.56 | 7.37 | |
| Rational C | 0.45 | 0.5 | 0.58 | Rational C | 0.52 | 0.54 | 0.67 |

| Basin ID | Area | Existing Flowrates | | | Developed Flowrates | | |
|----------|-------|--------------------|------|--------|---------------------|------|--------|
| | | 2-yr | 5-yr | 100-yr | 2-yr | 5-yr | 100-yr |
| | acres | cfs | cfs | cfs | cfs | cfs | cfs |
| 1 | 0.5 | 0.9 | 1.1 | 2.1 | 1.0 | 1.2 | 2.5 |
| 2 | 1.3 | 2.2 | 3.0 | 5.6 | 2.6 | 3.2 | 6.4 |
| 3 | 3.9 | 6.7 | 8.9 | 17 | 7.8 | 9.6 | 19 |
| 4 | 11 | 19 | 25 | 46 | 22 | 27 | 53 |
| 5 | 2.0 | 3.4 | 4.6 | 8.5 | 4.0 | 4.9 | 9.9 |
| 6 | 5.5 | 9.5 | 13 | 24 | 11 | 14 | 27 |
| 7 | 0.6 | 1.0 | 1.4 | 2.6 | 1.2 | 1.5 | 3.0 |
| 8 | 1.2 | 2.1 | 2.7 | 5.1 | 2.4 | 3.0 | 5.9 |
| 9 | 8.6 | 15 | 20 | 37 | 17 | 21 | 42 |
| 10 | 1.2 | 2.1 | 2.7 | 5.1 | 2.4 | 3.0 | 5.9 |
| 11 | 1.1 | 1.9 | 2.5 | 4.7 | 2.2 | 2.7 | 5.4 |
| 12 | 2.6 | 4.5 | 5.9 | 11 | 5.2 | 6.4 | 13 |
| 13 | 4.8 | 8.3 | 11 | 21 | 9.6 | 12 | 24 |
| 14 | 2.8 | 4.8 | 6.4 | 12 | 5.6 | 6.9 | 14 |
| 15 | 5.6 | 9.7 | 13 | 24 | 11 | 14 | 28 |
| 16 | 1.4 | 2.4 | 3.2 | 6.0 | 2.8 | 3.4 | 6.9 |
| 17 | 1.2 | 2.1 | 2.7 | 5.1 | 2.4 | 3.0 | 5.9 |
| 18 | 1.9 | 3.3 | 4.3 | 8.1 | 3.8 | 4.7 | 9.4 |
| 19 | 2.7 | 4.7 | 6.2 | 12 | 5.4 | 6.6 | 13 |
| 20 | 1.1 | 1.9 | 2.6 | 4.8 | 2.3 | 2.8 | 5.6 |
| 21 | 1.2 | 2.1 | 2.7 | 5.1 | 2.4 | 3.0 | 5.9 |
| 22 | 1.5 | 2.6 | 3.4 | 6.4 | 3.0 | 3.7 | 7.4 |
| 23 | 5.3 | 9.1 | 12 | 23 | 11 | 13 | 26 |
| 24 | 5.5 | 9.5 | 13 | 24 | 11 | 14 | 27 |
| 25 | 4.8 | 8.3 | 11 | 21 | 9.6 | 12 | 24 |
| 26 | 3.2 | 5.5 | 7.3 | 14 | 6.4 | 7.9 | 16 |
| 27 | 2.2 | 3.8 | 5.0 | 9.4 | 4.4 | 5.4 | 11 |
| 28 | 1.2 | 2.1 | 2.7 | 5.1 | 2.4 | 3.0 | 5.9 |
| 29 | 1.4 | 2.4 | 3.2 | 6.0 | 2.8 | 3.4 | 6.9 |
| 30 | 1.8 | 3.1 | 4.1 | 7.7 | 3.6 | 4.4 | 8.9 |
| 31 | 8.0 | 14 | 18 | 34 | 16 | 20 | 40 |
| 32 | 2.3 | 4.0 | 5.2 | 9.8 | 4.6 | 5.7 | 11 |
| 33 | 2.3 | 4.0 | 5.2 | 9.8 | 4.6 | 5.7 | 11 |
| 34 | 4.5 | 7.8 | 10 | 19 | 9.0 | 11 | 22 |
| 35 | 1.3 | 2.2 | 3.0 | 5.6 | 2.6 | 3.2 | 6.4 |
| 36 | 4.0 | 6.9 | 9.1 | 17 | 8.0 | 9.8 | 20 |
| 37 | 1.4 | 2.4 | 3.2 | 6.0 | 2.8 | 3.4 | 6.9 |
| 38 | 1.2 | 2.1 | 2.7 | 5.1 | 2.4 | 3.0 | 5.9 |
| 39 | 0.4 | 0.7 | 0.9 | 1.7 | 0.8 | 1.0 | 2.0 |
| 40 | 1.5 | 2.6 | 3.4 | 6.4 | 3.0 | 3.7 | 7.4 |
| 41 | 2.0 | 3.4 | 4.6 | 8.5 | 4.0 | 4.9 | 9.9 |
| 42 | 1.8 | 3.1 | 4.1 | 7.7 | 3.6 | 4.4 | 8.9 |
| 43 | 1.5 | 2.6 | 3.4 | 6.4 | 3.0 | 3.7 | 7.4 |
| 44 | 2.1 | 3.6 | 4.8 | 9.0 | 4.2 | 5.2 | 10 |
| 45 | 1.1 | 1.9 | 2.5 | 4.7 | 2.2 | 2.7 | 5.4 |
| 46 | 1.5 | 2.6 | 3.4 | 6.4 | 3.0 | 3.7 | 7.4 |
| 47 | 8.0 | 14 | 18 | 34 | 16 | 20 | 40 |
| 48 | 1.2 | 2.1 | 2.7 | 5.1 | 2.4 | 3.0 | 5.9 |
| 49 | 2.3 | 4.0 | 5.2 | 9.8 | 4.6 | 5.7 | 11 |
| 50 | 0.8 | 1.4 | 1.8 | 3.4 | 1.6 | 2.0 | 4.0 |
| 51 | 3.0 | 5.2 | 6.8 | 13 | 6.0 | 7.4 | 15 |
| 52 | 7.7 | 13 | 18 | 33 | 15 | 19 | 38 |
| 53 | 2.0 | 3.4 | 4.6 | 8.5 | 4.0 | 4.9 | 9.9 |
| TOTAL | 202 | 349 | 461 | 865 | 403 | 498 | 999 |

NOTE: FEMA Floodplain scaled per location per FEMA FIRM 200321 0200A, Effective Date June 3, 1986.

Base Flood Elevations and Cross Sections determined per HEC-2 modeling previously submitted with Turkey Creek 2nd Addition.

A Floodplain Fill Permit will be obtained from the Kansas Department of Water Resources prior to development on lots in the Floodplain, as established by the HEC-2 model.



DA = 6 acres
 C₁ = 20
 C₂ = 37 cfs
 Capacity for basin = 30 cfs