

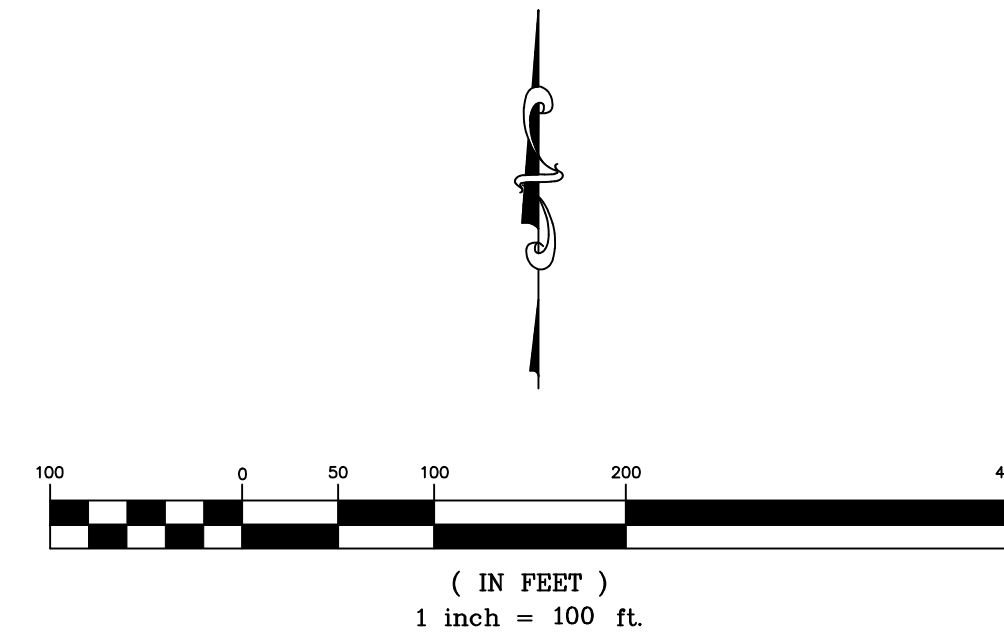
Existing/Undeveloped Site

Total Site Area= 33.31 Acres
 Impervious Area= 0.00 Acres
 Soil Group C
 Undisturbed area, CN=84

Existing Tc Calculation:
 Flow Length=1350 ft,
 Sheet flow,
 Flow length=100 ft, Average slope of ground 1.0%
 Tc1=11.00 min
 Shallow concentrated flow,
 Flow length=1250 ft, Average slope of ground 1.0%
 Tc2=29.80 min

Total Tc=40.80 min

| Area # | Acres | Tc min | 24-hr rainfall depth (inches) | | | | | Curve Number (CN) | Existing Q, cfs | | | | | Remark |
|------------|-------|--------|-------------------------------|------|-------|-------|--------|-------------------|-----------------|-------|-------|--------|--------|-------------------------------------|
| | | | 2-yr | 5-yr | 10-yr | 25-yr | 100-yr | | Q2 | Q5 | Q10 | Q25 | Q100 | |
| On Site(1) | 33.31 | 40 | 3.50 | 4.50 | 5.20 | 6.10 | 7.80 | 84 | 45.52 | 66.38 | 81.24 | 100.51 | 137.02 | Onsite runoff in existing condition |



Cheryl's Hollow
Existing Drainage Map
 Wichita, Kansas

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|--|------------------|--------------|-----------------|
| PROJECT NUMBER | | | |
| KEMILLER ENGINEERING PA 117 E. Lewis, Wichita, KS 67202 (316)264-0242 | KEM NO. 17104 | FILE | DATE 11/2017 |
| | DESIGN KM | DRAWN AHS | REVISED |
| | | | 2.0 |