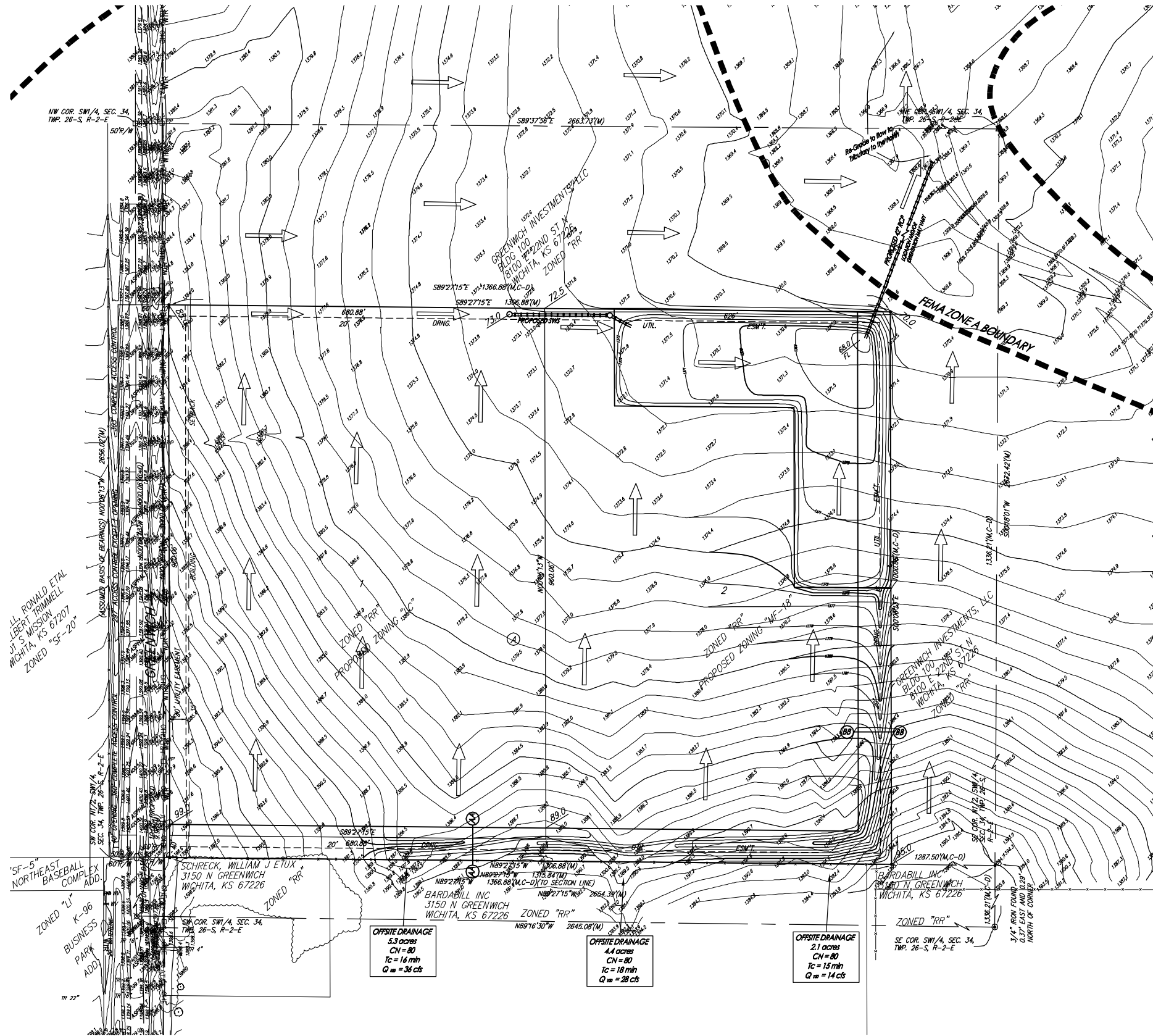


DRAINAGE & GRADING PLAN

NORTH GREENWICH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



| EXISTING | |
|----------|---------|
| DA = | 41.3 |
| Tc = | 55 min |
| CN = | 75 |
| Q 2 = | 30 cfs |
| Q 5 = | 49 cfs |
| Q 10 = | 65 cfs |
| Q 25 = | 81 cfs |
| Q 100 = | 120 cfs |

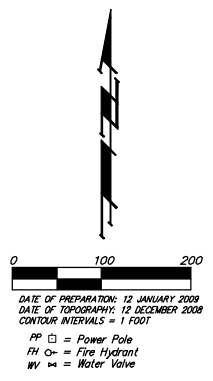
These flow values also include 11.8 acres of offsite flow.

| DEVELOPED | | DEVELOPED | |
|------------|---------|-----------|----------|
| DA = | 8 acres | DA = | 32 acres |
| Tc = | 20 min | Tc = | 42 min |
| CN = | 98 | CN = | 75 |
| IMPERVIOUS | | PERVIOUS | |
| Q 2 = | 27 cfs | Q 2 = | 29 cfs |
| Q 5 = | 35 cfs | Q 5 = | 46 cfs |
| Q 10 = | 41 cfs | Q 10 = | 61 cfs |
| Q 25 = | 47 cfs | Q 25 = | 76 cfs |
| Q 100 = | 62 cfs | Q 100 = | 113 cfs |

These flow values are for developed area of rooftop/pavement. *These flow values are for areas of athletic fields and undeveloped offsite flow*

| PROPOSED DRY DETENTION (Bottom = 1368.0) | | | |
|--|---------|---------|-----------|
| STAGE | INFLOW | OUTFLOW | ELEVATION |
| 2 yr | 45 cfs | 27 cfs | 1370.10 |
| 5 yr | 66 cfs | 36 cfs | 1370.70 |
| 100 yr | 146 cfs | 67 cfs | 1372.40 |

| PROPOSED POND | |
|---------------|--------------|
| ELEVATION | AREA (sq ft) |
| 1388 | 1000 |
| 1386 | 17500 |
| 1370 | 48000 |
| 1371 | 78000 |
| 1372 | 122000 |
| 1373 | 125000 |



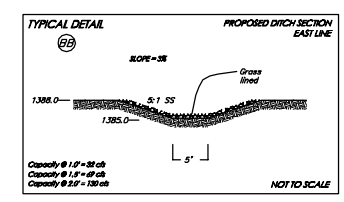
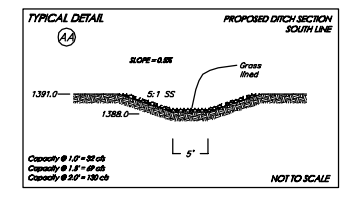
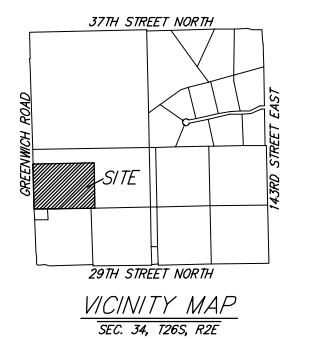
- ⊕ = #4 REBAR W/ 'BAUGHMAN' CAP (SET)
 - ⊙ = #5 REBAR OVER STONE (FOUND)
 - ⊗ = 3/4" IRON IN THIMBLE (FOUND)
 - ⊠ = 3/4" IRON (FOUND)
 - ⊡ = #6 REBAR (FOUND)
 - ⊢ = 1/2" IRON (FOUND)
 - ⊣ = RAILROAD SPIKE (FOUND)
 - △ = STONE (FOUND)
- (M) = MEASURED
(C-D) = CALCULATED PER DESCRIBED
(R) = RECORD

GREENWICH INVESTMENTS, LLC
8100 E 22ND ST N
BLDG 1000
WICHITA, KS 67226
316-649-7300

BENCHMARK:
RR SPIKE IN ASPHALT SW COR. N1/2, SW1/4,
SEC. 34, TWP. 26-S, R-2-E
ELEV. = 1400.59 NAVD88

RR SPIKE IN EAST FACE OF POWER POLE 174'±
NORTH AND 10' WEST OF SW COR OF PLAT
ELEV. = 1398.64 NAVD88

NOTE:
ADDITIONAL BUILDING SETBACK REQUIREMENTS
AND RESTRICTIONS PER NORTH GREENWICH
DEVELOPMENT COMMUNITY UNIT PLAN DP-316.



NOTE: There is no FEMA SFHA located on this property as of this report per FEMA FIRM Panel 377 of 700 for Sedgwick County, Kansas, effective February 2, 2007. The FEMA Zone A Boundary, located just offsite to the north and east is scaled per location per FEMA FIRM Panel 377.

NOTE: The location of the proposed outlet is subject to change location and orientation based on final site plans. There will also be offsite grading to allow for positive drainage to the north and into the tributary. The pond orientation and shape may also change during final site plans - but will still provide equal stage-storage shown here.

DRAINAGE & GRADING PLAN

NORTH GREENWICH ADDITION