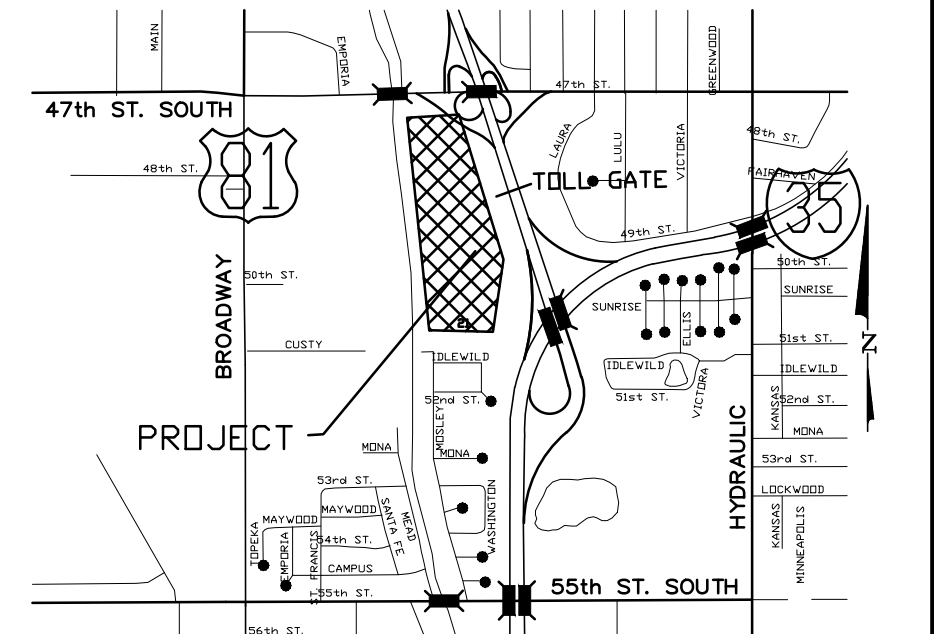


- NOTES:**
1. Cross-drainage agreements shall be required at the time of platting.
  2. All outlets to the Riverside Drainage Channel shall conform to City of Wichita water quality requirements, to include installing any pipe in the canal as shown rotated 30° from perpendicular.
  3. Detailed site grading and final drainage plans to be designed by a licensed professional engineer at the time of building permit.
  4. Minimum Pad Elevation = 1272.0 (MSL)
  5. Storm sewer easements will be provided at the time of building permit only as needed to allow drainage to discharge across adjacent lots.
  6. Any revised drainage plan must be approved by storm water engineer prior to building permits being issued.
  7. Any storm water detention areas required may be revised when the final plans for the development are completed but the runoff amounts will be at or below the pre-development discharge rates. The filed final drainage report shall show discharge rates and stage/storage/discharge curves for any on-site detention areas.
  8. The detention pond as shown is proposed. The final pond location, configuration, and design will need to be resolved at the time of building permit.

- CALCULATION NOTES:**
1. Determination of Q's was made using the SCS method.
  2. Curve Numbers weighted based on hydrologic soil groups.

Site	Area	Existing Conditions (24-Hour Storm)						
		CN	1-Year	2-Year	5-Year	10-Year	25-Year	100-Year
KTA to Channel	41.01	50.5	74.63	100.45	134.95	190.76	195.02	246.077
Site to Channel	38.97	65.6	10.15	20.88	38.80	53.40	74.55	108.38
Site to Pond	8.77	76.8	9.65	15.05	22.92	29.10	37.55	50.47

- LEGEND:**
- ⊙ 1 1/2" Pipe Found
  - ⊗ Mooring B&C Found
  - ▴ Section Corner Found
  - 5/8" Bar w/Poe Cap Set
  - ⊕ **BENCHMARK:**  
Bench Mark #77  
Top of Right-of-Way Marker in Fence Line @ End of Ramp, East Bound 47th to Southbound I-35, Elevation 1271.13 NGVD88



**SURVEY NOTES:**  
Field Survey work completed on November 4, 2009.  
Topography by photogrammetric methods from aerial photographs taken on August 11, 2007.  
Horizontal datum NAD 83 modified to ground  
Vertical datum NAVD 88

**PROPERTY OWNER/ SUBDIVIDER:**  
Southfork Investments, L.L.C. of Sedgwick County, in the State of Kansas.



# SOUTHFORK COMMERCIAL ADDITION

A TRACT IN THE NORTH HALF OF SECTION 21, T28S, R1E  
WICHITA, SEDGWICK COUNTY, KANSAS

2011  
EXISTING CONDITION DRAINAGE PLAN



8581 Plat Southfork DA Proposed