

LEGAL DESCRIPTION

Tract 1
The East 206.25 feet of the North 244.25 feet of the Northeast Quarter of Section 21, Township 28 South, Range 1 East of the 6th P.M. Sedgwick County, Kansas, Except the East 40 feet thereof for road, Except beginning 40 feet South and 40 feet West of the Northeast corner of section 21, Township 28 South, Range 1 East of the 6th P.M. Sedgwick County, Kansas; thence West 40 feet, South of and parallel to the North line of said Section 21, a distance of 20.00 feet; thence Southeasterly a distance of 28.33 feet to a point 40.00 feet West of the East line of said section 21 and 20.00 feet South of the point of beginning; thence North 40.00 feet, West of and parallel to the East line of said Section 21, a distance of 20.00 feet to the point of beginning, subject to road rights-of-way of recorded on the North and East.

Tract 2
The West 198 feet of the East 404.25 feet of the North 660 feet of the Northeast Quarter of Section 21, Township 28-S, Range 1 East of the 6th P.M. Sedgwick County, Kansas, subject to road rights-of-way of recorded on the North.

Tract 3
The West 255 feet of the East 659.25 feet of the following described tract: Beginning at the Northeast corner of the Northeast Quarter of the Northeast Quarter of Section 21, Township 28-S, Range 1 East of the 6th P.M. Sedgwick County, Kansas; thence West to Northwest corner of said Northeast Quarter of the Northeast Quarter; thence South 641 feet; thence Southeast to a point on the East line of the said Northeast Quarter, 861 feet South of the Northeast corner of said Northeast Quarter; thence North 861 feet to beginning, Except therefrom the Southerly 30 feet thereof, and Except therefrom the Westerly 30 feet thereof, subject to road rights-of-way of recorded on the North.

Tract 4
The North 80 feet of the East 206.25 feet of the South 415.75 feet of the North 660 feet of the East Half of the Northeast Quarter of Section 21, Township 28-S, Range 1 East of the 6th P.M. Sedgwick County, Kansas, subject to road rights-of-way of recorded on the East.

Tract 5
The South 99.75 feet of the North 179.75 feet of the East 206.25 feet of the South 415.75 feet of the North 660 feet of the East Half of the Northeast Quarter of Section 21, Township 28-S, Range 1 East of the 6th P.M. Sedgwick County, Kansas, subject to road rights-of-way of recorded on the East.

Tract 6
The North 150 feet of the South 236 feet of the East 206.25 feet of the North 660 feet of the Northeast Quarter of Section 21, Township 28-S, Range 1 East of the 6th P.M. Sedgwick County, Kansas, Except the East 40 feet thereof for road, subject to road rights-of-way of recorded on the East.

NOTES

- Cross-drainage agreement shall be required at the time of platting.
- Storage required in the north and east sub-basins shall be accomplished in the parking lots. The southwest area storage shall be in a dry detention area and storm sewer pipes, unless otherwise designed. See Drainage Report for information.
- Detailed site grading and final drainage plans to be designed by a licensed professional engineer at the time of building permit.
- Minimum Pad Elevation North & East = 1275.0 (MSL)
Minimum Pad Elevation Southwest = 1274.5 (MSL)
- Storm sewer easements will be provided at the time of building permit only as needed to allow drainage to discharge across adjacent lots.
- Any revised drainage plan must be approved by storm water engineer prior to building permits being issued.
- 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.
- A guarantee to extend storm sewer to serve the southwest sub-basin shall be submitted at the time of platting.
- 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

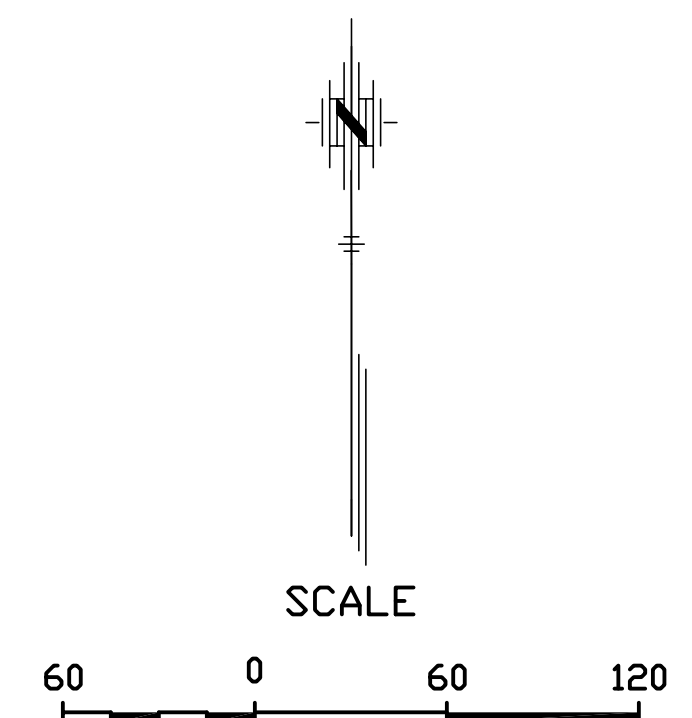
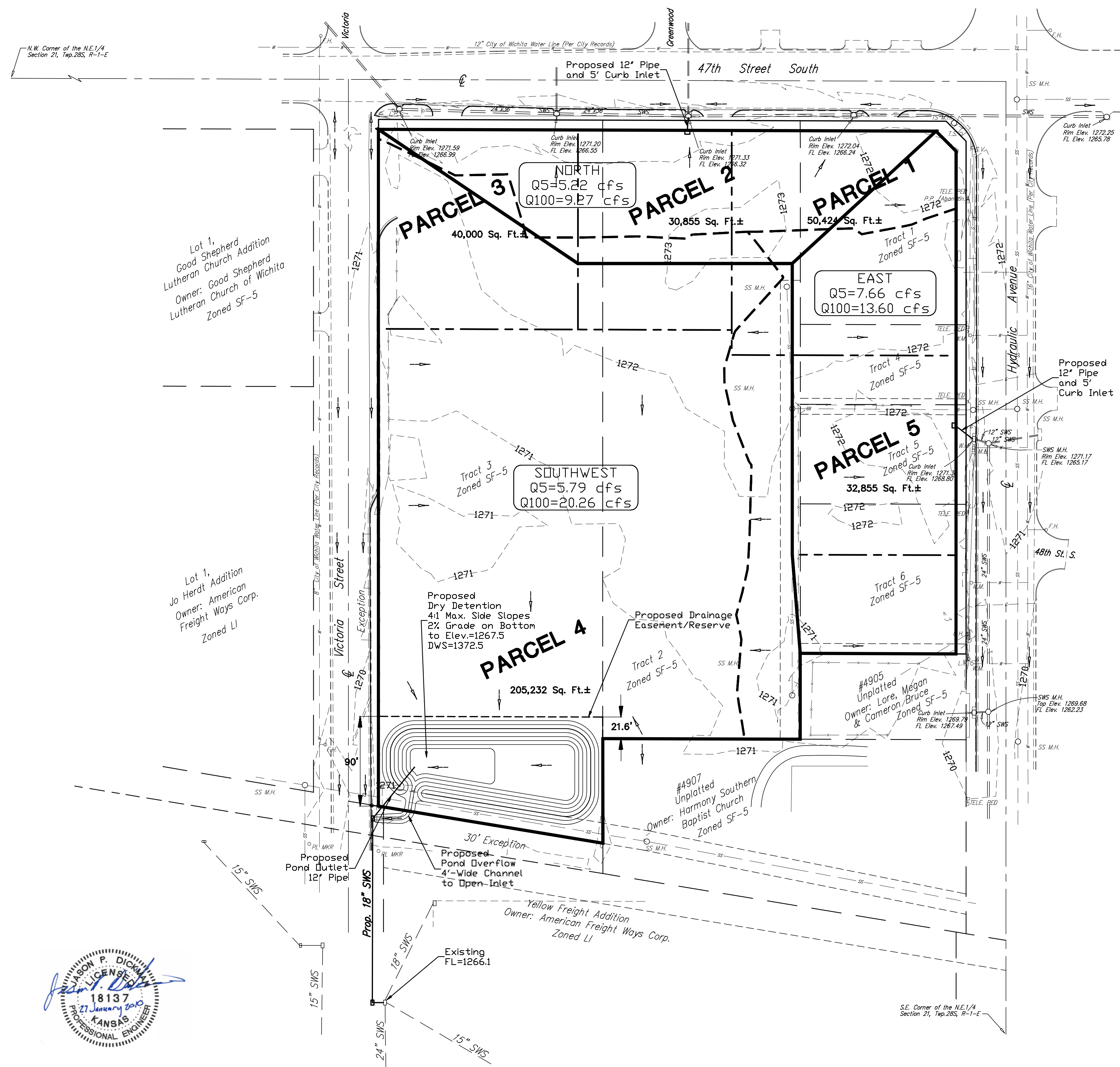
- Determination of Q's was made using the SCS method.
- Curve Numbers weighted based on hydrologic soil groups.

Existing Conditions (24-Hour Storm)						
Site	Area	CN	2-Year	5-Year	10-Year	25-Year
North	1,135	92.0	3.79	4.99	5.89	7.09
East	2,191	88.0	6.47	8.81	10.57	12.91
SW	4,920	69.0	4.88	8.32	11.13	15.11

Developed Conditions (24-Hour Storm)						
Site	Area	CN	2-Year	5-Year	10-Year	25-Year
North	1,250	92.0	3.96	5.22	6.16	7.41
East	1,678	92.0	5.81	7.66	9.04	10.87
SW	5,318	85.0	5.06	5.79	6.84	12.11

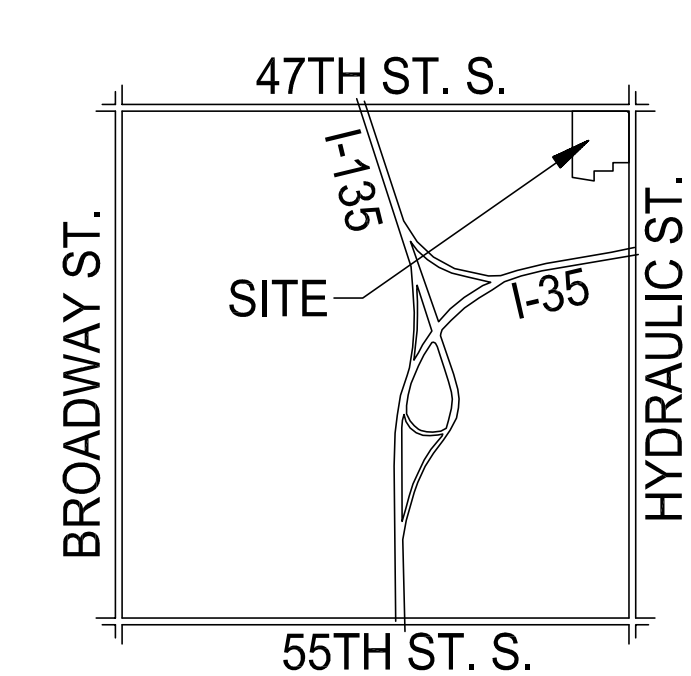
Stage-Storage-Discharge Table		
Stage (elev)	Storage (cuft)	Discharge (cfs)
1267.50	0.00	0
1268.00	0.30	0.947
1269.00	1.246	3.049
1270.00	6.173	4.528
1271.00	14.402	5.631
1272.00	24.720	11.26
1273.00	36.841	31.83
1274.00	50.543	60.73

DRAINAGE PLAN FOR FUNSTON ADDITION WICHITA, SEDGWICK COUNTY, KANSAS



LEGEND

- G = GAS MAIN
 - W = WATER MAIN
 - SS = SANITARY SEWER
 - SWS = STORM WATER SEWER
 - UGE = UNDER GROUND ELECTRIC
 - UGT = UNDER GROUND TELEPHONE
- EXIST. DRAINAGE AREA
 - - - PROP. DRAINAGE AREA
 - B.M. BENCH MARK
 - TELE. PED. TELEPHONE PEDESTAL
 - F.H. FIRE HYDRANT
 - GUY ANCHOR
 - G.V. GAS VALVE
 - H.L.P. HIGH LINE POLE
 - L.P. LIGHT POLE
 - M.B. MAIL BOX
 - O.H. OBSERVATION HOLE
 - PL MKR PIPELINE MARKER
 - L.P. POWER POLE W/LIGHT
 - POWER POLE
 - SIGN
 - T.S. TRAFFIC SIGNAL
 - W.M. WATER METER



LOCATION MAP
No Scale

BENCHMARK

BM #1 - Chiseled square in top of curb 6.9' W of SW. Property Corner
Elevation = 1269.88 (NAVD 88)

Survey completed by:
Savoy Company, 3 September 2008

Revision		Approved		Date		By		No.	
1		1				1		1	

**FUNSTON ADDITION
DRAINAGE PLAN**

POE & ASSOCIATES, INC.
CONSULTING ENGINEERS
5940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/685-4114 ■ FAX 316/685-4444

CITY OF WICHITA, KANSAS
JAMES L. ARMOUR P.E. - CITY ENGINEER

FINAL

Designed By: J. Dickman
Drawn By: S. Schmidt
Drawing File: P:\8588-Funston\DA Funston_Elem.dwg
Date: 1/27/2010

Sheet
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