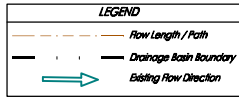


DRAINAGE PLAN

SILVER SPUR 5TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

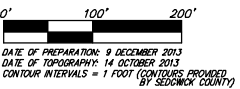
EXISTING
 DA = 49.8 acres
 Impervious = 40%
 C = 0.40
 Tc = 80 min
 Q₂ = 57 cfs
 Q₅ = 72 cfs
 Q₁₀ = 84 cfs
 Q₁₀₀ = 123 cfs
 Tc calculated using FFA
 Method based on flow length
 and slope as shown.



WATER QUALITY
 The current site is fully developed into a mobile home park. At this time we do not expect any re-development or any added impervious area. In the event of re-development this site will need to meet Section 16.32 of the City of Wichita Code.
 With a re-developed site, the water quality can be reduced per Code 16.32.091.

CHANNEL PROTECTION
 Channel protection is not required at this time since the site is fully developed.

NOTES: There is no FEMA SFHA located on this property as of this date per FEMA FIRM Panel 503 of 700, for Wichita, Sedgwick County, Kansas, effective February 2, 2007.



DATE OF PREPARATION: 9 DECEMBER 2013
 DATE OF TOPOGRAPHY: 14 OCTOBER 2013
 CONTOUR INTERVALS = 1 FOOT (CONTOURS PROVIDED BY SEDGWICK COUNTY)

OWNER:
 DAVIS PROPERTIES
 ATTN: BRENT DAVIS
 4141 S. SENECA
 WICHITA, KS 67217

TWIN OAKS MHC, LLC
 PO BOX 2899
 FARMINGTON HILLS, MI 48333

LEGAL DESCRIPTION:
 LOT 1, AND VACATED CLARENCE AVE, ACCRUING THERETO, SILVER SPUR SECOND ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS, TOGETHER WITH A PORTION OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 28 SOUTH, RANGE 1 EAST, OF THE SIXTH PRINCIPAL MERIDIAN, SEDGWICK COUNTY, KANSAS DESCRIBED AS BEGINNING AT THE NORTHWEST CORNER OF SAID NORTHEAST QUARTER, THENCE S00°56'54"E (ASSUMED) ALONG THE WEST LINE OF SAID NORTHEAST QUARTER (ALSO BEING THE EAST LINE OF LOT 1, SILVER SPUR SECOND ADDITION TO WICHITA, KANSAS, SEDGWICK COUNTY, KANSAS), 1501.38 FEET, TO A POINT ON THE WEST LINE OF SAID NORTHEAST QUARTER, SAID POINT IS 1149.40 FEET NORTH OF THE SOUTHWEST CORNER OF SAID NORTHEAST QUARTER; THENCE N89°02'32"E, ALONG THE NORTHERLY EXTENSION OF THE NORTH LINE OF LOT 1, SOUTH LAKE ADDITION TO THE CITY OF WICHITA, SEDGWICK COUNTY, KANSAS, 30.00 FEET; THENCE N00°56'54"W, PARALLEL WITH THE WEST LINE OF SAID NORTHEAST QUARTER, 1501.38 FEET TO A POINT ON THE NORTH LINE OF SAID NORTHEAST QUARTER; THENCE S89°05'47"W, ALONG THE NORTH LINE OF SAID NORTHEAST QUARTER, 30.00 FEET TO THE POINT OF BEGINNING. SUBJECT TO ROAD RIGHT OF WAYS OF RECORD.

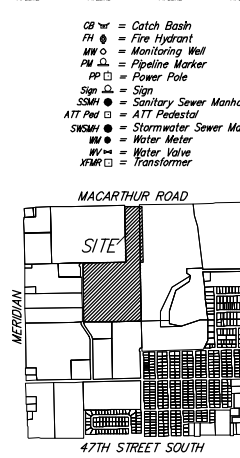
BENCHMARK:
 CITY OF WICHITA DISC LOCATED 0.5 MILES EAST OF MERIDIAN ON THE NORTH SIDE OF MACARTHUR, NE CORNER OF CLARENCE AND MACARTHUR. ELEVATION = 1281.47 NAVD88

NOTE:
 ALL EXISTING BUILDINGS AND ASPHALT ROADS WILL REMAIN AS IS. THERE IS NO PLANNED REDEVELOPMENT OF THIS SITE.

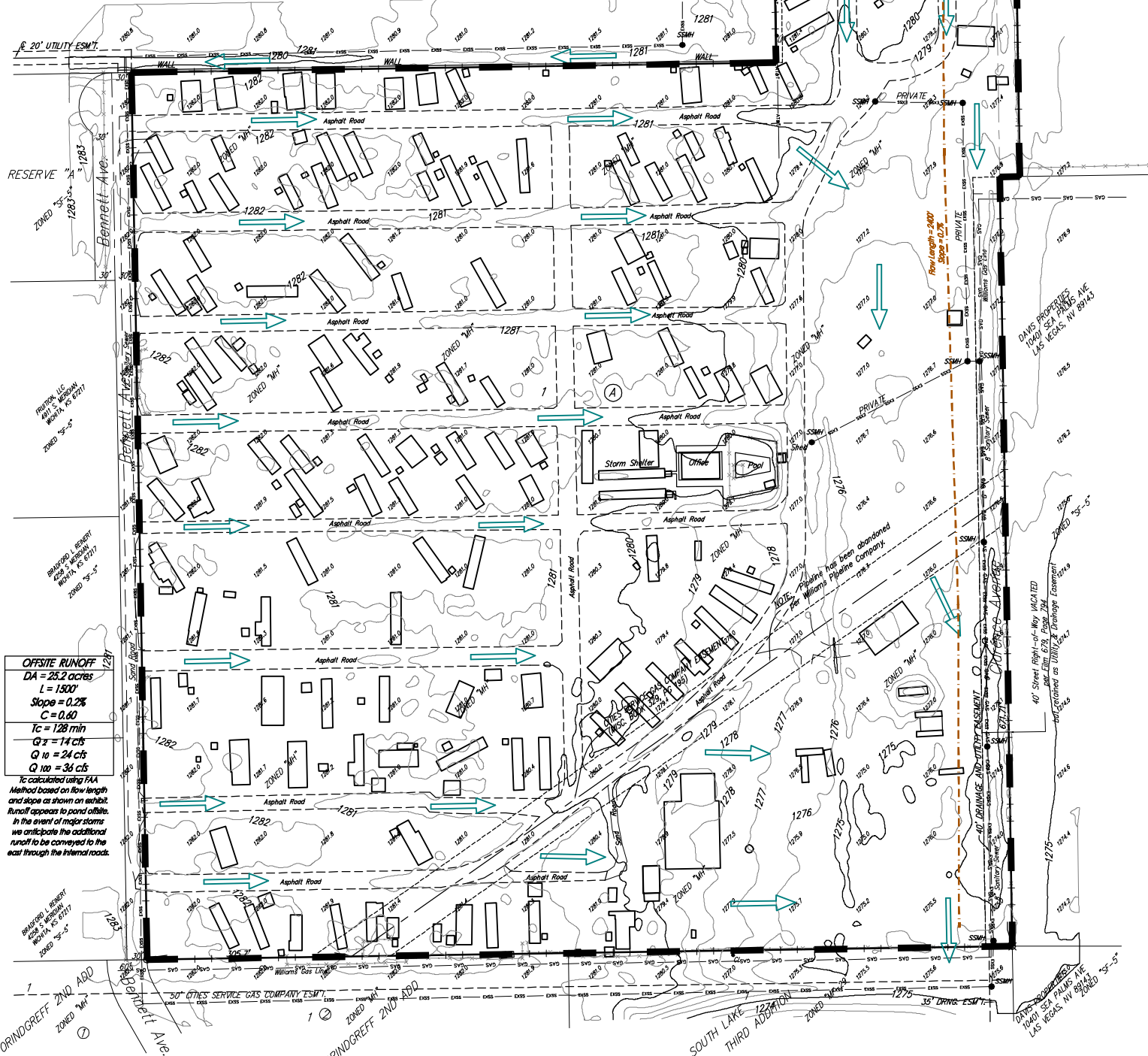
⊙ = #4 REBAR (FOUND)
 ⊙ = 3/4" IRON IN THIMBLE (FOUND)
 ⊙ = 1" IRON (FOUND)
 ⊙ = #4 REBAR (FOUND)
 ⊙ = 1/2" IRON (FOUND)

WATER LINE
 SOUTHWESTERN BELL
 GAS LINE
 FENCE
 OVERHEAD ELECTRIC LINE
 SANITARY SEWER
 PIPELINE

CB = Catch Basin
 FH = Fire Hydrant
 MW = Monitoring Well
 PM = Pipeline Marker
 PP = Power Pole
 Sign = Sign
 SSMH = Sanitary Sewer Manhole
 ATT Ped = ATT Pedestal
 SSMH = Stormwater Sewer Manhole
 WM = Water Meter
 WV = Water Valve
 TRM = Transformer



VICINITY MAP
 SEC. 18, T28S, R1E



OFFSITE RUNOFF
 DA = 25.2 acres
 L = 1500'
 Slope = 0.2%
 C = 0.40
 Tc = 128 min
 Q₂ = 14 cfs
 Q₁₀ = 24 cfs
 Q₁₀₀ = 36 cfs
 Tc calculated using FFA
 Method based on flow length
 and slope as shown on exhibit.
 Runoff appears to pond offsite.
 In the event of major storms
 we anticipate the additional
 runoff to be conveyed to the
 east through the internal roads.

NOTE:
 A drainage plan has been developed for this subdivision and is on file with the City of Wichita, Kansas. Drainage intent shall remain as depicted or as modified with the approval of the City Engineer of the City of Wichita, Kansas. No obstructions which impede the flow of this drainage plan shall be allowed.

NOTE:
 Blanket Easement to K.P.L. Company per Firm 833, Page 821

DRAINAGE PLAN SILVER SPUR 5TH ADDITION

17 DECEMBER 2013

Baughman Company, P.A.
 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
 Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE