

DRAINAGE PLAN

RIDGE 400 2ND ADDITION

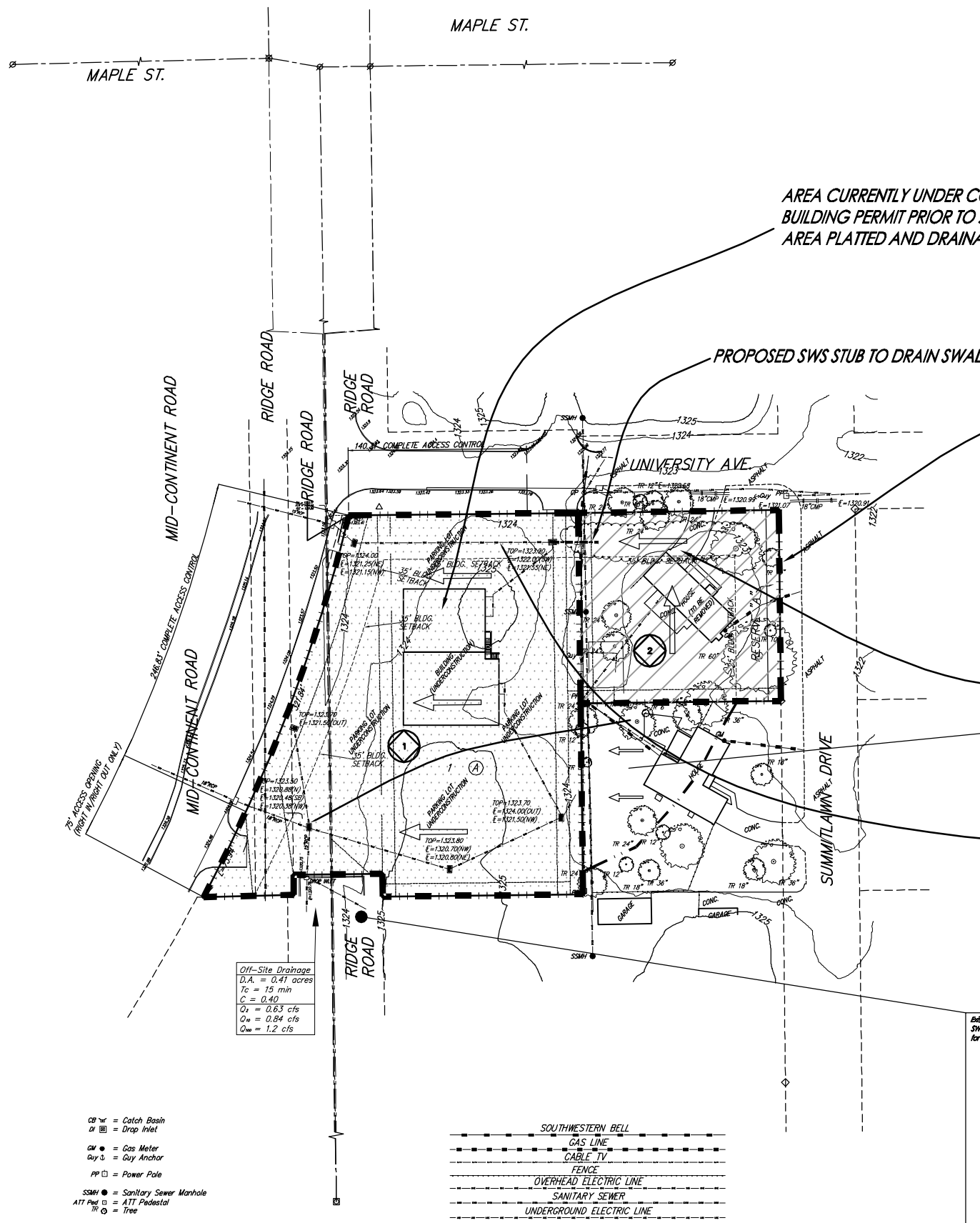
WICHITA, SEDGWICK COUNTY, KANSAS

NOTE: Entire site/plat is currently covered under an existing - issued prior to Jan 1, 2011 - City of Wichita Building Permit.
 Site is currently under construction. All construction will be completed (site fully stabilized) prior to March 31, 2011. Any future development to the south will be subject to current SW ordinances.
 No water quality or channel protection on the site will required do to the above criteria being met.

No FEMA SFHA exists on this property as of this date per FEMA FIRM Panel 345 of 700 for Sedgwick County, Kansas; effective February 2, 2007.

AREA CURRENTLY UNDER CONSTRUCTION.
 BUILDING PERMIT PRIOR TO JAN 1, 2011.
 AREA PLATTED AND DRAINAGE PLAN APPROVED AS RIDGE 400 ADDITION

ADDITIONAL PARCEL ADDS APPROX 12000 cu-ft of impervious area
 AREA CURRENTLY UNDER CONSTRUCTION.
 PART OF PREVIOUS/ADJACENT BUILDING PERMIT PRIOR TO JAN 1, 2011.

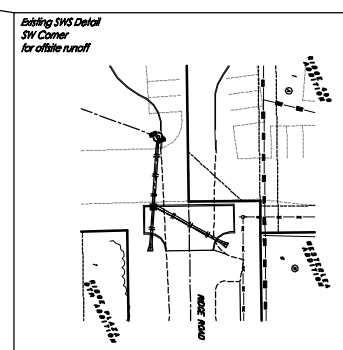
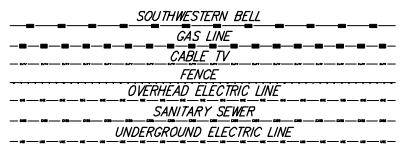


Off-Site Drainage
 D.A. = 0.23 acres
 Tc = 15 min
 C = 0.40
 Q₂ = 0.4 cfs
 Q₁₀ = 0.5 cfs
 Q₁₀₀ = 0.7 cfs

Offsite drainage from this area to be accepted onto the proposed site. A proposed swale/ditch section and pipe stub is expected to drain the offsite area at this location.

Off-Site Drainage
 D.A. = 0.41 acres
 Tc = 15 min
 C = 0.40
 Q₂ = 0.63 cfs
 Q₁₀ = 0.84 cfs
 Q₁₀₀ = 1.2 cfs

- CB = Catch Basin
- DI = Drop Inlet
- CM = Gas Meter
- GA = Guy Anchor
- PP = Power Pole
- SSM = Sanitary Sewer Manhole
- ATT Ped = ATT Pedestal
- TR = Tree



- (M) = MEASURED
- (CM) = CALCULATED PER MEASURED INFO.
- (D) = DESCRIBED
- (C-D) = CALCULATED PER DESCRIBED INFO.
- (LONES) = PLATTED INFO. PER LOWE'S ADDITION
- (UR) = PLATTED INFO. PER UNIVERSITY AND RIDGE ADDITION
- (C-W) = CALCULATED PER WELLS-ESQUE PLATS
- (C-SE21) = CALCULATED PER PLAT INFO. FROM THE PLATS ALONG THE SOUTH LINE OF THE SE1/4 OF SEC. 21, TWP. 27-S, R-1-W
- (C-RP) = CALCULATED PER MAPLE & RIDGE INTERSECTION IMPROVEMENT PLANS (KDOT PROJ. NO. 87 N-0307-01)
- (C-APT) = CALCULATED PER ASHLEY PARK TOWNE CENTRE PLAT INFO.
- (NW) = PLATTED INFO. PER WESTERLEA VILLAGE
- (C-WV) = CALCULATED PER WESTERLEA VILLAGE
- (MC) = DESCRIBED PER MID-CONTINENT ROAD DESCRIPTION (FILM 192, PAGE 176)
- (C-MC) = CALCULATED PER MID-CONTINENT ROAD DESCRIPTION (FILM 192, PAGE 176)
- (KMS2) = PLATTED INFO. PER KING'S MAPLE STREET SECOND ADDITION
- (C-KMS2) = CALCULATED PER KING'S MAPLE STREET SECOND ADDITION

- * = #4 REBAR W/ "BAUGHMAN" CAP (SET)
- ⊠ = 3/4" IRON PIPE IN THIMBLE (FOUND)
- ⊞ = #4 REBAR IN THIMBLE (FOUND)
- ⊠ = 1/2" IRON PIPE IN THIMBLE (FOUND)
- ⊠ = 3/4" IRON PIPE (FOUND)
- △ = 1/2" IRON PIPE (FOUND)

NOTE: STORM WATER SEWER LOCATIONS AND INFORMATION ARE PER PLAN.

Existing	2yr	10yr	100yr	Developed	2yr	10yr	100yr
Intensity	4.56	5.22	7.37	Intensity	4.56	5.22	7.37
Rational C	0.36	0.44	0.54	Rational C	0.68	0.73	0.75

Basin ID	Area acres	Existing Flowrates			Developed Flowrates		
		2-yr cfs	10-yr cfs	100-yr cfs	2-yr cfs	10-yr cfs	100-yr cfs
1	1.6	2.6	3.7	6.4	5.0	6.1	8.8
2	0.5	0.8	1.1	2.0	1.6	1.9	2.8
TOTAL	1.6	3.4	4.8	8.4	6.5	8.0	11.6

PROPOSED GRASSED SWALE AND DRAIN

ONSITE EXISTING SWS

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RIDGE 400 2ND ADDITION

REVISED TRK 24 MARCH 2011
 REVISED TRK 23 FEBRUARY 2011
 10 FEBRUARY 2011

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