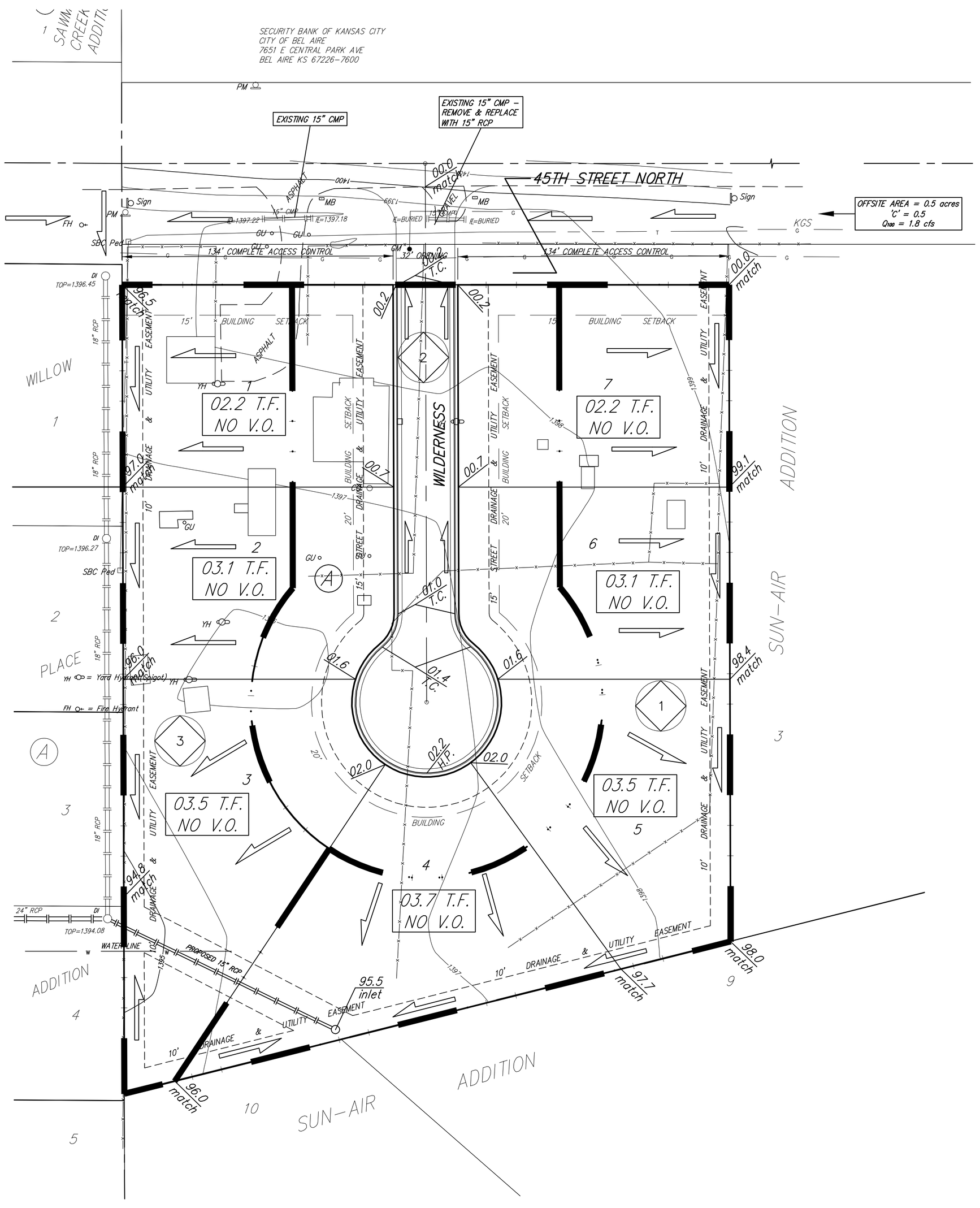
DRAINAGE & GRADING PLAN

WILLOW PLACE 2ND ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



BASIN 1
(back-lot drainage to proposed inlet)
Area = 0.9 acres
Tc = 15 min
'C' = 0.50
Q_2 = 1.8 cfs
Q_{10} = 2.3 cfs
Q_{100} = 3.3 cfs

BASIN 2
(street drainage to 45th Street ROW)
Area = 0.9 acres
Tc = 15 min
'C' = 0.50
Q_2 = 1.8 cfs
Q_{10} = 2.3 cfs
Q_{100} = 3.3 cfs

BASIN 3
(lots draining to existing offsite inlet)
Area = 0.7 acres
Tc = 15 min
'C' = 0.50
Q_2 = 1.4 cfs
Q_{10} = 1.8 cfs
Q_{100} = 2.6 cfs

EXISTING RUNOFF CONDITIONS
(currently drains to south-west into existing SWS)
Area = 2.5 acres
Tc = 15 min
'C' = 0.35
Q_2 = 3.4 cfs
Q_{10} = 4.6 cfs
Q_{100} = 6.4 cfs

NOTE: There is no FEMA SFHA on this property as of June 12, 2007, per FEMA FIRM Panel 240 of 700 for Sedgwick County, Kansas effective February 2, 2007.

Existing Buildings and concrete/asphalt will be removed prior to construction.

0 30 60

DATE OF PREPARATION: 11 JUNE, 2007
DATE OF TOPOGRAPHY: 11 MAY, 2007
CONTOUR INTERVALS = 1 FOOT

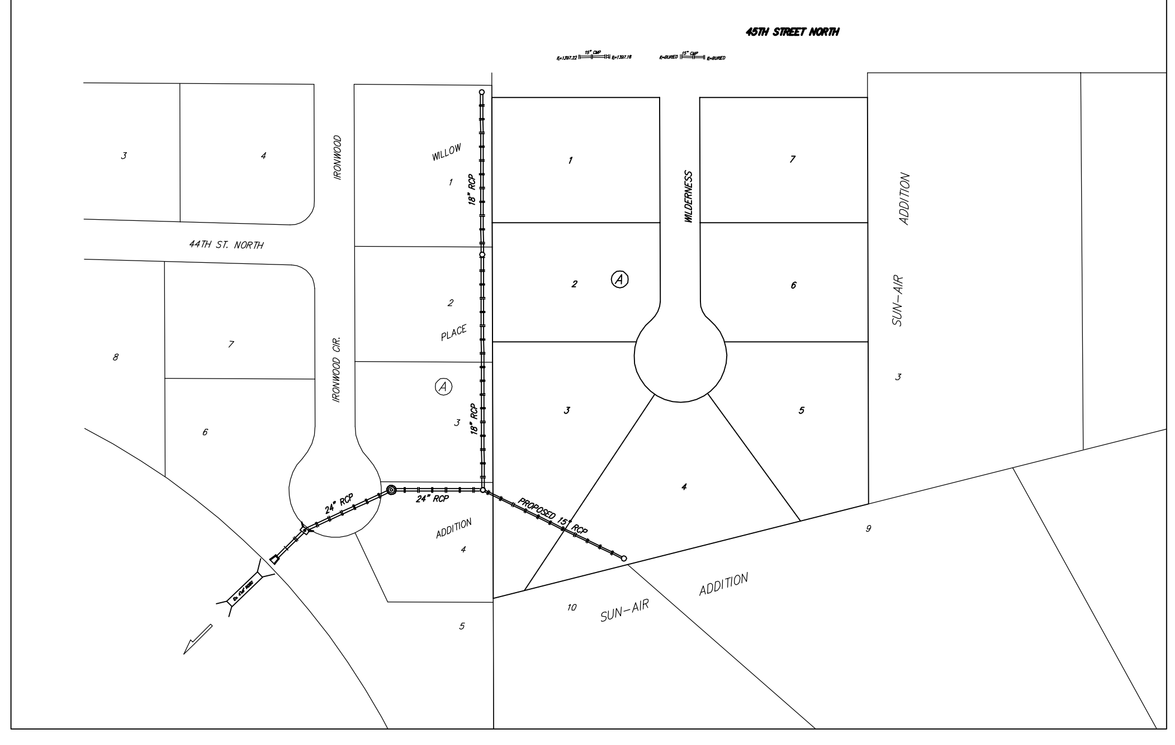
OWNER:
FORTY-FIFTH STREET PROPERTIES, LLC
2418 S. HOOVER,
WICHITA KS 27215
ATTN: MIKE BRAND

BENCHMARK:
3/4" IRON IN CONCRETE NORTH 1/4 CORNER
SEC. 29, TWP. 26 S. R-2-E
ELEVATION: 1400.30 (NGVD 29)

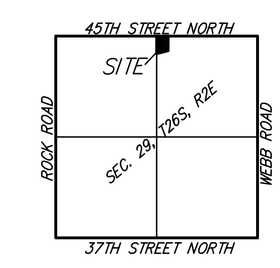
SSMH ● = Sanitary Sewer Manhole
CO ○ = Cleanout

SBC Ped □ = SBC Pedestal
GM ● = Gas Meter
◎ = Drop Inlet
GU ∘ = Guard Post(Bollard)
MB ▭ = Mail Box
PM ⌂ = Pipeline Marker
Sign ⌂ = Sign
T ⊙ = Tree

EXISTING STORM SEWER EXHIBIT — Not To Scale



SOUTHWESTERN BELL
GAS LINE
FENCE
SANITARY SEWER



VICINITY MAP

DRAINAGE & GRADING PLAN

WILLOW PLACE 2ND

TRK REVISED 28 JUNE 2007
19 JUNE 2007

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

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