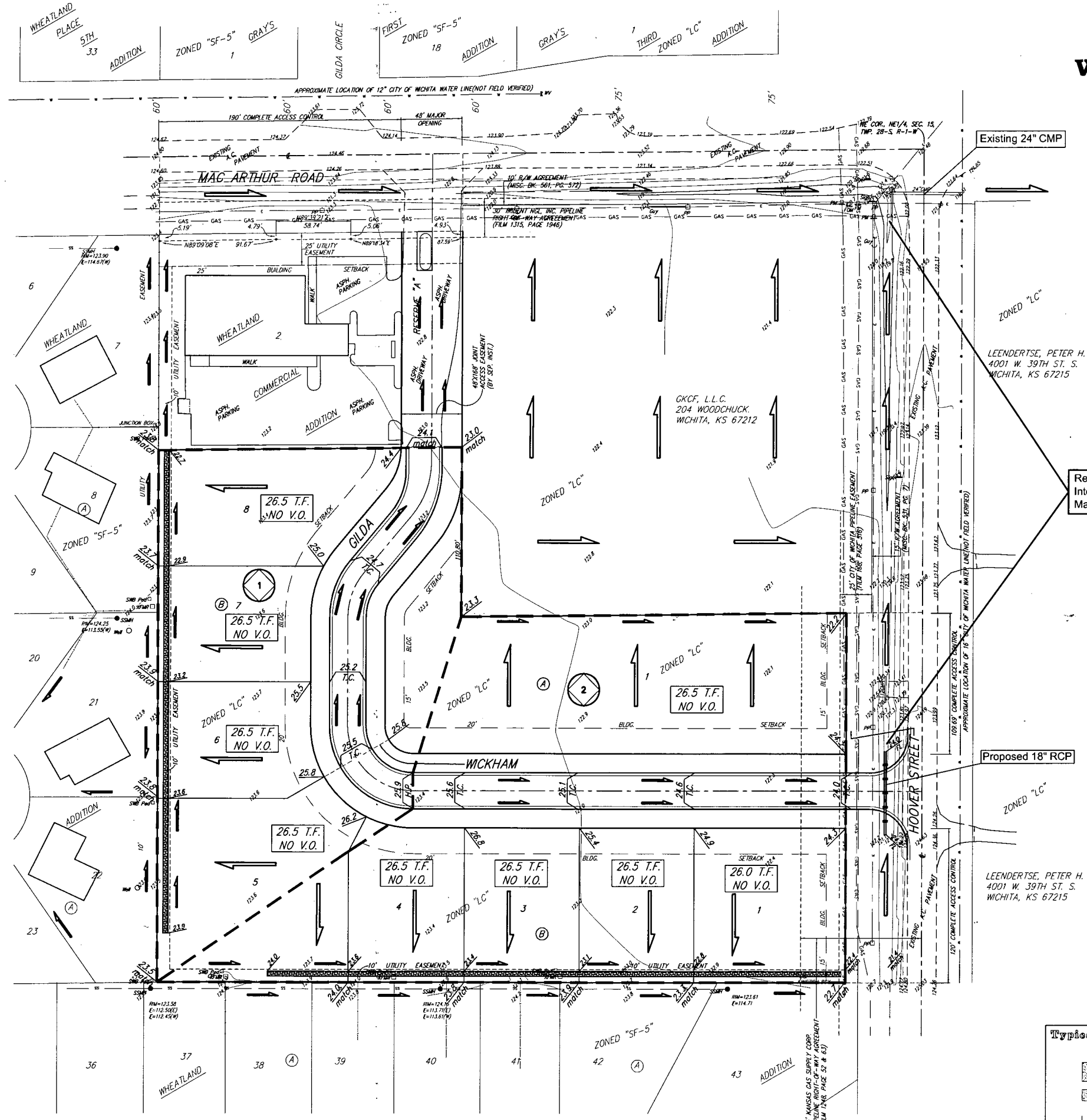
DRAINAGE & GRADING PLAN

GRAY'S 6TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



0 40 80

DATE OF PREPARATION = 5 MAR 2007
DATE OF TOPOGRAPHY = 26 APR 2001
CONTOUR INTERVAL = 1 FT.

OWNER:
GRAY DEVELOPMENT, INC.
ATTN: BILLY GRAY
204 WOODCHUCK
WICHITA, KS 67212
PH. (316) 990-7025

LEGAL DESCRIPTION:
A REPLAT OF LOT 1, BLOCK A, WHEATLAND COMMERCIAL ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS

BENCHMARK:
CITY OF WICHITA BENCHMARK DISK – NORTHEAST CORNER OF INTERSECTION OF 47TH STREET SOUTH & HOOVER RD.
21.60' NORTH OF CENTERLINE
71.50' EAST OF CENTERLINE
73.60 FEET EAST NORTHEAST OF SECTION COR.
5.90' WEST OF POWER POLE
ELEV. = 1290.46 NGVD29

• = ¼ REBAR W/ "BAUGHMAN" CAP (SET)
x = ¼ REBAR W/ "BAUGHMAN" CAP (FOUND)
O = 3/4" IRON (FOUND)
= 1/2" IRON W/ THIMBLE (FOUND)

(M) = MEASURED
(P) = PLATTED
(C-P) = CALCULATED PER PLATTED INFO.
(C-D) = CALCULATED PER DESCRIBED INFO.

ELECTRIC LINE
GAS LINE
WATER LINE
TELEPHONE LINE
CABLE TELEVISION LINE
FENCE LINE

PP = POWER POLE
SSMH = SANITARY SEWER MANHOLE
SWB PedO = TELEPHONE PEDESTAL
CPO = CABLE TELEVISION PEDESTAL
XFMR = TRANSFORMER
FO = FIBER OPTIC MARKER
PL = PIPELINE MARKER
SIGN = TRAFFIC SIGN
GY = GUY ANCHOR

1

EXISTING CONDITIONS	
AREA = 1.7 acres	
Tc = 15 min	
'C2' = 0.52	'Q2' = 3.4 cfs
'C5' = 0.54	'Q5' = 4.2 cfs
'C100' = 0.68	'Q100' = 8.5 cfs

DEVELOPED CONDITIONS	
AREA = 1.7 acres	
Tc = 15 min	
'C2' = 0.64	'Q2' = 4.2 cfs
'C5' = 0.68	'Q5' = 5.3 cfs
'C100' = 0.83	'Q100' = 10 cfs

2

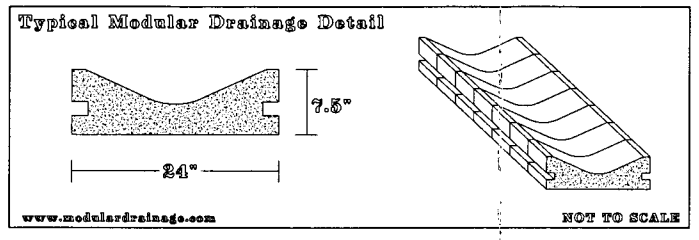
EXISTING CONDITIONS	
AREA = 2.5 acres	
Tc = 15 min	
'C2' = 0.52	'Q2' = 5.0 cfs
'C5' = 0.54	'Q5' = 6.2 cfs
'C100' = 0.68	'Q100' = 13 cfs

DEVELOPED CONDITIONS	
AREA = 2.5 acres	
Tc = 15 min	
'C2' = 0.64	'Q2' = 6.1 cfs
'C5' = 0.68	'Q5' = 7.8 cfs
'C100' = 0.83	'Q100' = 15 cfs

Concrete Channel/Flume
(Modular Drainage 'Concrete Block System' recommended. Installed at 0.3% Slope)

NOTE: No FEMA SFHA exists on this property as of March 05 2007.

Typical Modular Drainage Detail



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GRAY'S 6TH ADDITION

5 MARCH 2007

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316.263.1271 F 316.262.0149
Baughman ENGINEERING | ARCHITECTURE | PLANNING | LANDSCAPE ARCHITECTURE

F:\PLAT\GRAY'S 6TH ADD\DWG\GRAY6P.DWG-MOC