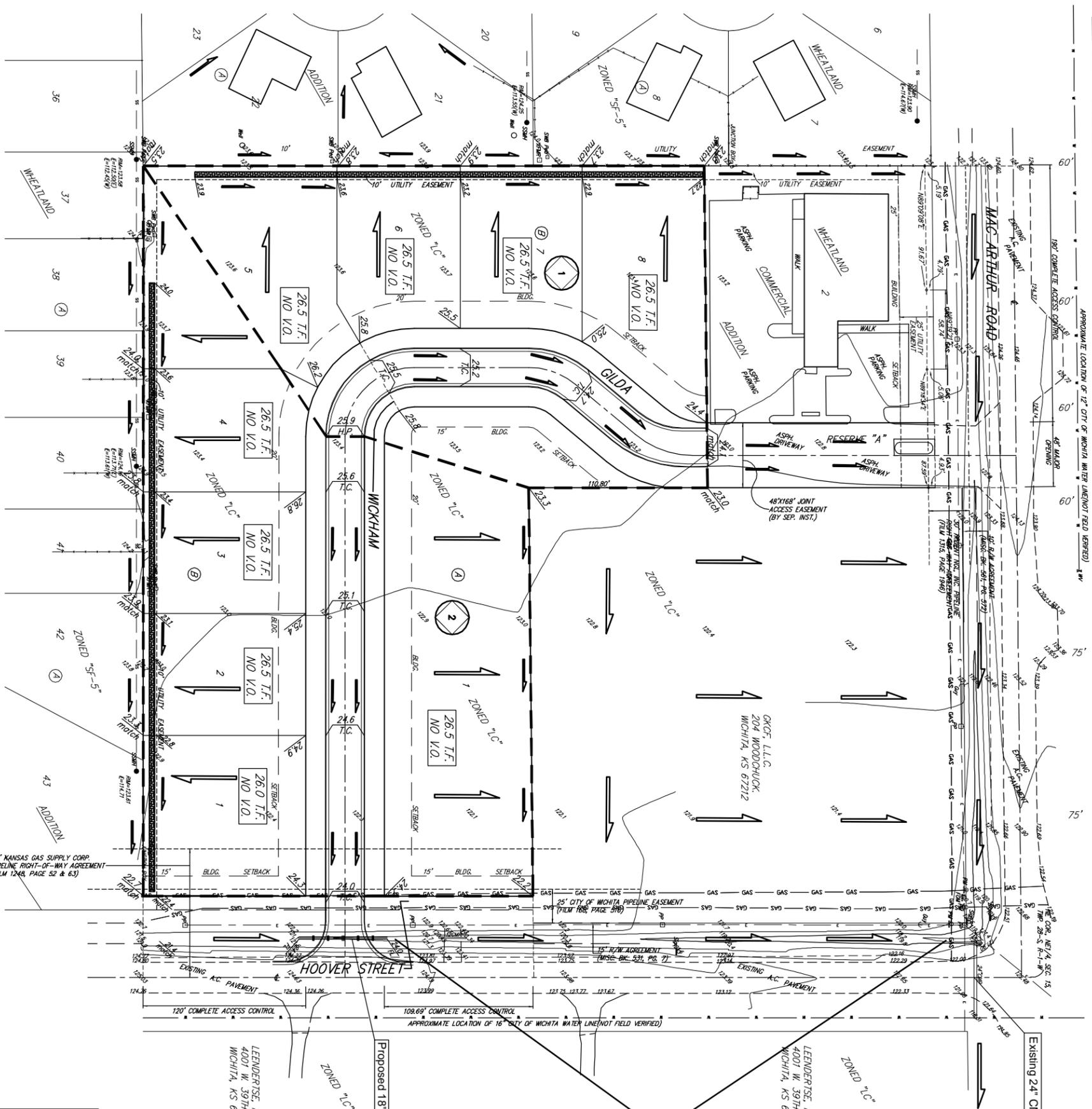


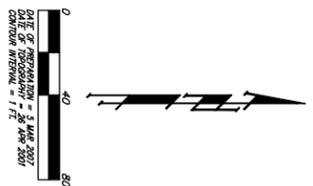
# DRAINAGE & GRADING PLAN

## GRAY'S 6TH ADDITION

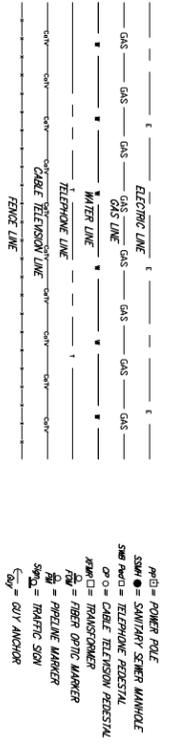
### WICHITA, SEDGWICK COUNTY, KANSAS



Re-Grade Ditch to 24" CMP at Intersection of Hoover Road and MacArthur Road @ 0.3%



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

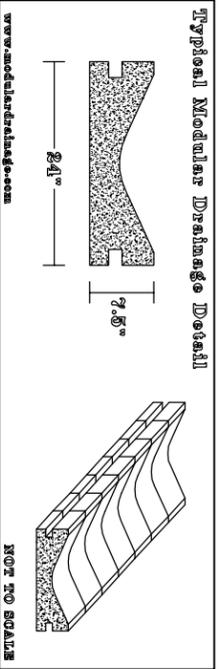


EXISTING CONDITIONS			
AREA = 1.7 acres			
Tc = 15 min			
C <sub>1</sub> ' = 0.52	C <sub>2</sub> ' = 3.4 cfs	C <sub>3</sub> ' = 0.54	C <sub>4</sub> ' = 4.2 cfs
C <sub>100</sub> = 0.68	Q <sub>100</sub> = 8.5 cfs		

EXISTING CONDITIONS			
AREA = 2.5 acres			
Tc = 15 min			
C <sub>1</sub> ' = 0.52	C <sub>2</sub> ' = 5.0 cfs	C <sub>3</sub> ' = 0.54	C <sub>4</sub> ' = 6.2 cfs
C <sub>100</sub> = 0.68	Q <sub>100</sub> = 13 cfs		

Concrete Channel/Flume  
(Modular Drainage Concrete Block System<sup>®</sup> recommended, Installed at 0.2% Slope)

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



## DRAINAGE & GRADING PLAN

### GRAY'S 6TH ADDITION

**B** Baughman Company, P.A.  
 315 E. 34th St., Wichita, KS 67211 | P: 316.267.2771 | F: 316.267.0119  
 www.baughmancompany.com

12 MARCH 2007