

DRAINAGE PLAN

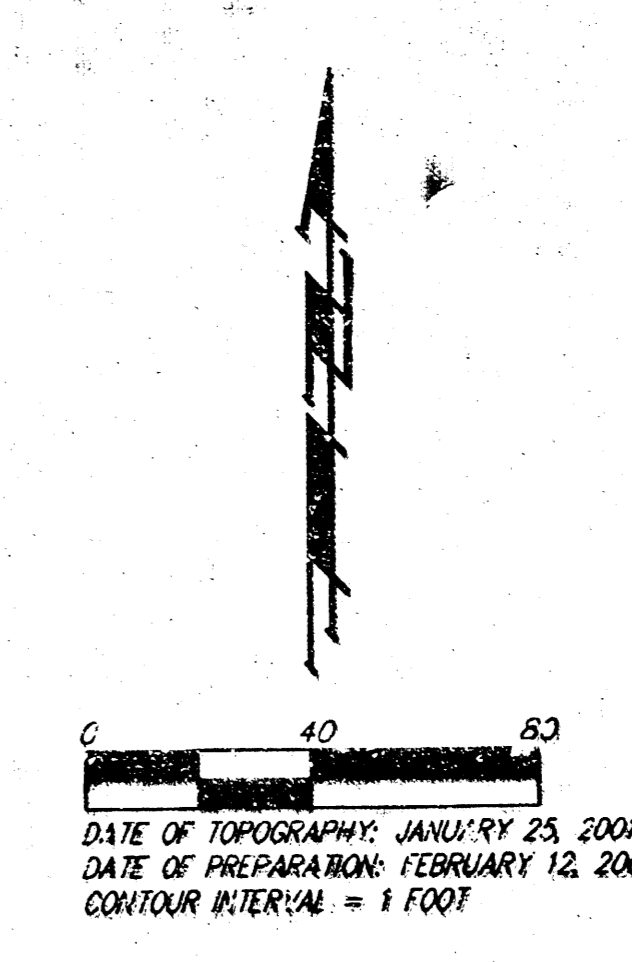
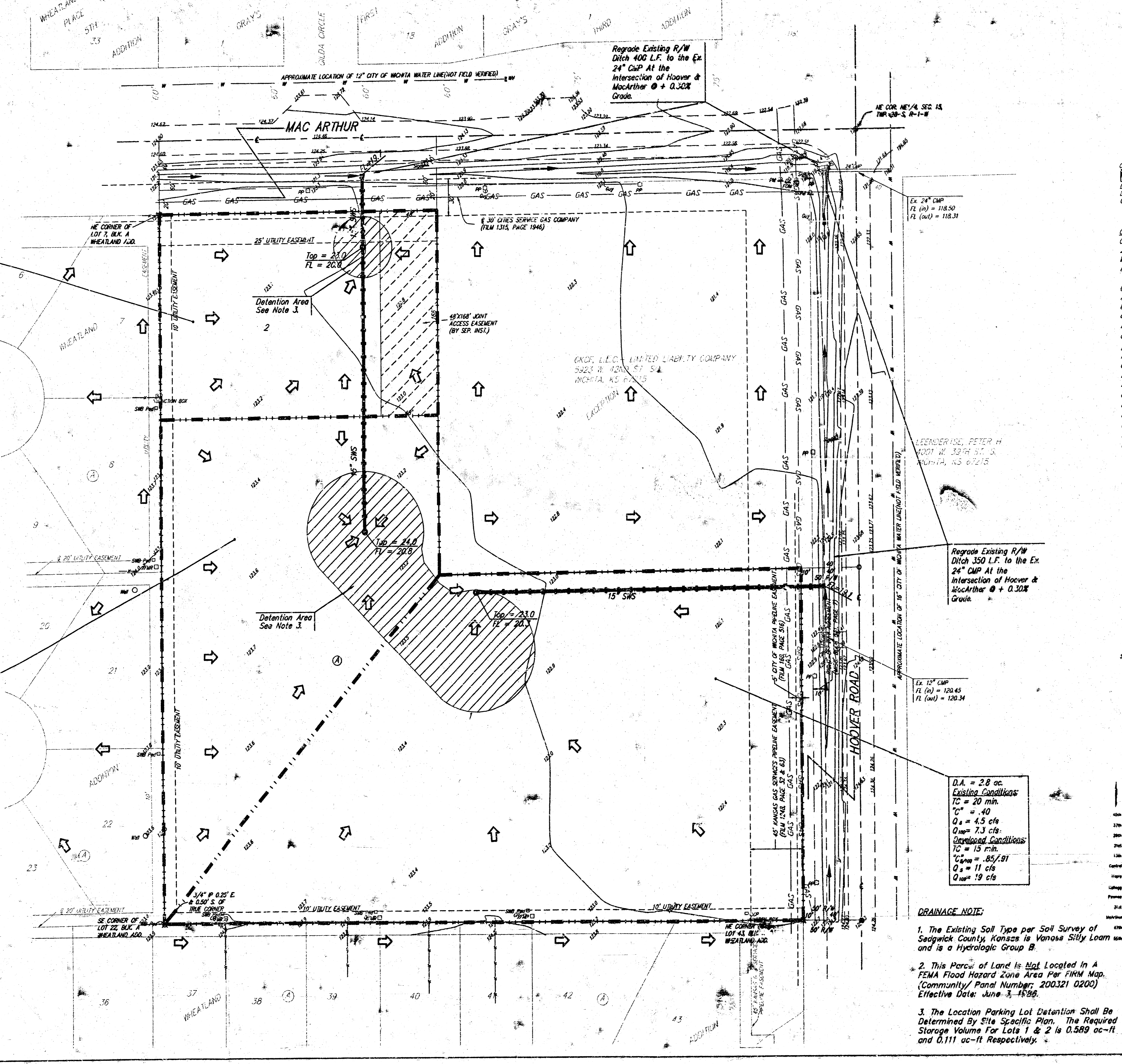
WHEATLAND COMMERCIAL ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

D.A. = 0.9 ac
 Existing Conditions
 TC = 4.0 min.
 C_s = .40
 Q_s = 1.4 cfs
 Q₁₀₀ = 2.4 cfs
 Developed Conditions
 TC = 15 min.
 C_s = .85/.91
 Q_s = 3.5 cfs
 Q₁₀₀ = 6.0 cfs

D.A. = 1.5 ac
 Existing Conditions
 TC = 20 min.
 C_s = .40
 Q_s = 2.4 cfs
 Q₁₀₀ = 3.9 cfs
 Developed Conditions
 TC = 15 min.
 C_s = .85/.91
 Q_s = 5.8 cfs
 Q₁₀₀ = 10 cfs

D.A. = 2.8 ac
 Existing Conditions
 TC = 20 min.
 C_s = .40
 Q_s = 4.5 cfs
 Q₁₀₀ = 7.3 cfs
 Developed Conditions
 TC = 15 min.
 C_s = .85/.91
 Q_s = 11 cfs
 Q₁₀₀ = 19 cfs



DATE OF TOPOGRAPHY: JANUARY 23, 2001
 DATE OF PREPARATION: FEBRUARY 12, 2001
 CONTOUR INTERVAL = 1 FOOT

OWNER:
 Gray Development, Inc.
 204 N Woodchuck
 Wichita, Kansas 67212
 Phone 316-722-4778

LEGAL DESCRIPTION:
 A tract situated in the NE 1/4 of Sec. 15, Twp. 28-S, R-1-W of the 6th P.M., Sedgwick County, Kansas, beginning at the NE corner of said Sec. 15; thence south along the east line of said NE 1/4, a distance of 647.99 feet; thence west at an included angle of 90°00'00" a distance of 599.97 feet; thence north parallel with the east line of said NE 1/4, a distance of 641.67 feet to a point in the north line of said NE 1/4; thence east 600.00 feet to the point of beginning, subject to road rights-of-way of record, EXCEPT that part of the NE 1/4 of Sec. 15, Twp. 28-S, R-1-W of the 6th P.M., Sedgwick County, Kansas described as follows: beginning at the NE corner of said NE 1/4; thence west along the north line of said NE 1/4, 362.00 feet; thence south parallel with the east line of said NE 1/4, 360.00 feet; thence east parallel with the north line of said NE 1/4, 362.00 feet to a point on the east line of said NE 1/4; thence north along the east line of said NE 1/4, 360.00 feet to the point of beginning.

BENCHMARK:
 City disc #160' north and 59.00 east of centerline of Hoover and MacArthur.
 Elev = 121.22 City Datum

- = #4 REBAR W/ BAUGHMAN CAP (FOUND)
- = #4 REBAR W/ BAUGHMAN CAP (SET)
- ⊗ = 3/4" RIM PIPE (FOUND)
- = 1/2" RIM PIPE W/ TRIMBLE (FOUND)
- M = MEASURED
- D = DESCRIBED
- P = PLATTED
- (C-D) = CALCULATED PER DESCRIPTION
- = Cable TV Pedestal
- ⊙ = Guy Anchor
- PM = Pipe Marker
- FOUL = Sub Fiber Optics Marker
- PP = Power Pole
- Sign = Sign
- SW Ped = Southwestern Bell Pedestal
- WH = Cross Wall
- TR = Transformer
- WV = Water Valve

Regrade Existing R/W Ditch 350 L.F. to the Ex. 24" CMP At the Intersection of Hoover & MacArthur @ + 0.30% Grade.

Ex. 12" CMP
 FL (in) = 120.45
 FL (out) = 120.34

- DRAINAGE NOTE:**
- The Existing Soil Type per Soil Survey of Sedgwick County, Kansas is Venosa Silty Loam and is a Hydrologic Group B.
 - This Parcel of Land is Not Located in A FEMA Flood Hazard Zone Area Per FIRM Map. (Community/ Panel Number; 200321 0200) Effective Date: June 3, 1999.
 - The Location Parking Lot Detention Shall Be Determined By Site Specifics Plan. The Required Storage Volume For Lots 1 & 2 is 0.589 ac-ft and 0.111 ac-ft respectively.

