

DRAINAGE PLAN **WILBUR ADDITION** **WICHITA, SEDGWICK COUNTY, KANSAS**

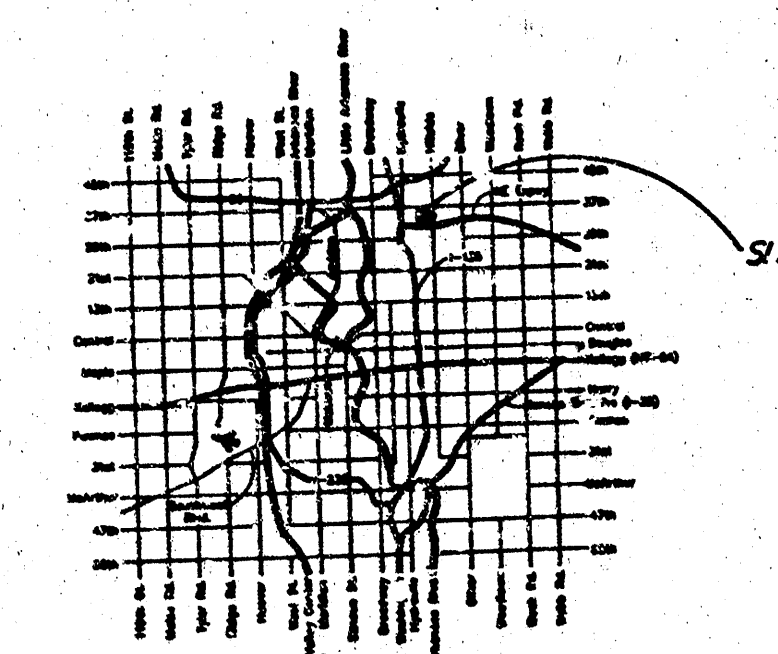
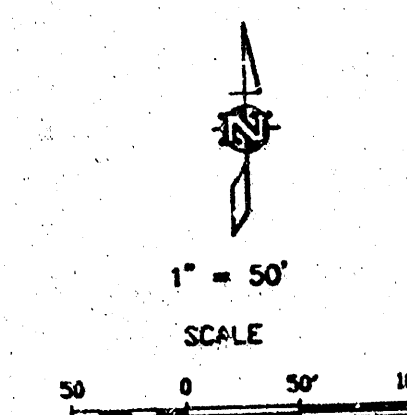
AREA = 6.51 AC.

Unimproved Conditions:
 5 Yr. $c=0.35$, $i=2.68$ in/hr
 5 Yr. $Q = 6.1$ cfs
 100 Yr. $c=0.65$, $i=4.54$ in/hr
 100 Yr. $Q = 19.2$ cfs

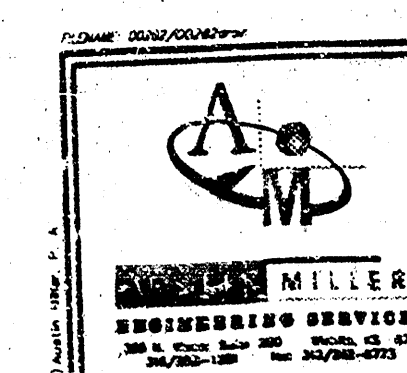
Improved Conditions:
 5 Yr. $c=0.65$, $i=2.37$ in/hr
 5 Yr. $Q = 15.1$ cfs
 100 Yr. $c=0.85$, $i=5.59$ in/hr
 100 Yr. $Q = 29.1$ cfs

Notes:

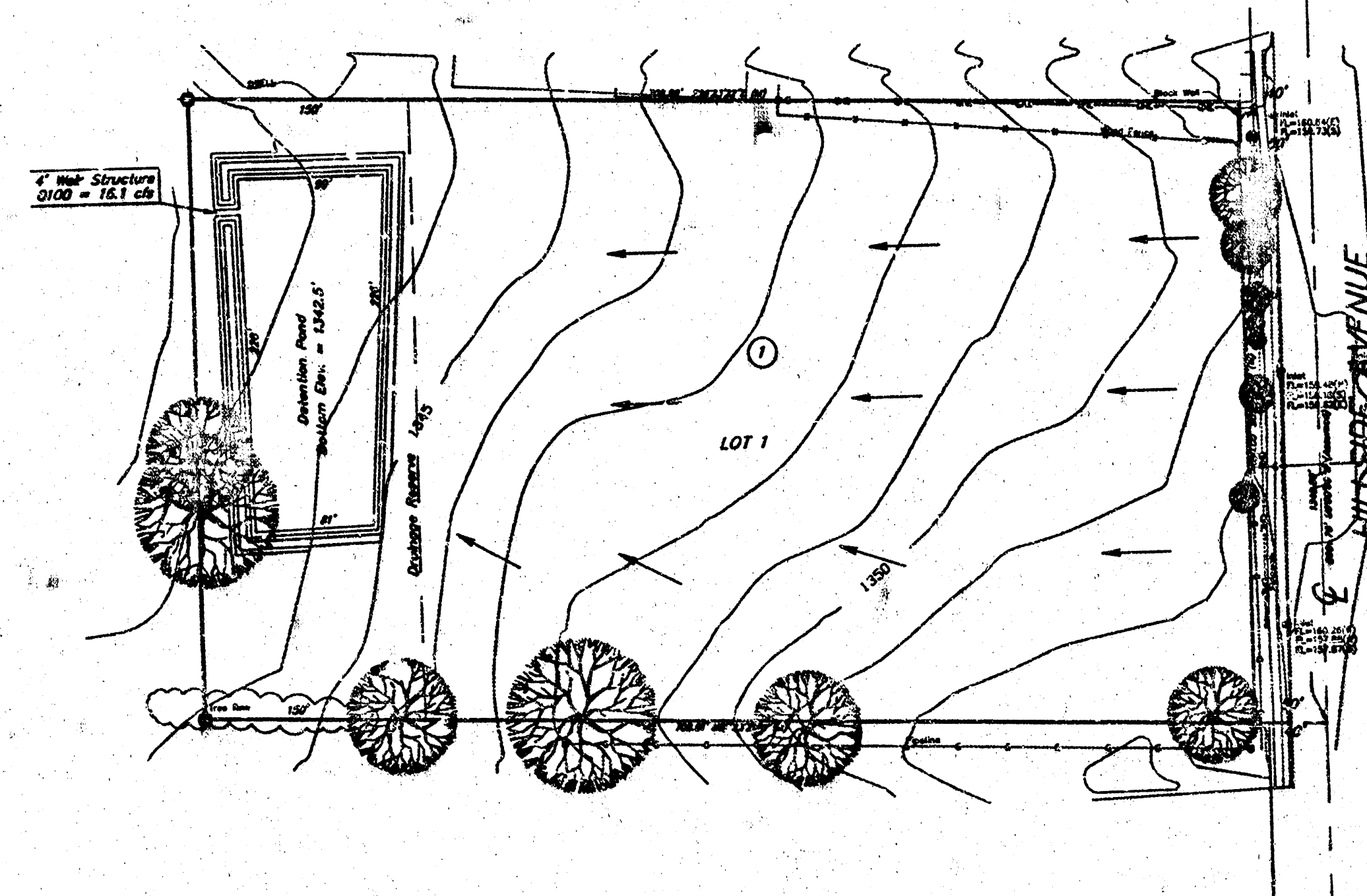
1. All runoff shall follow existing drainage patterns to the west edge of the property.
2. On-site detention will be required. Max. allowable Q100 = 19.2 cfs.
3. Final detention pond configuration shall be determined at time of development.



LOCATION MAP



N 1/4 CORNER SEC. 34, T26S, R1E
 37th STREET NORTH
 NE CORNER SEC. 34, T26S, R1E



LEGEND

- 1/2" Iron Pipe (round)
- ◆ 5/8" Rubber (pad) ASPA CLS #104
- △ 1/2" Iron in Ditch (round)
- Direction of Flow