

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

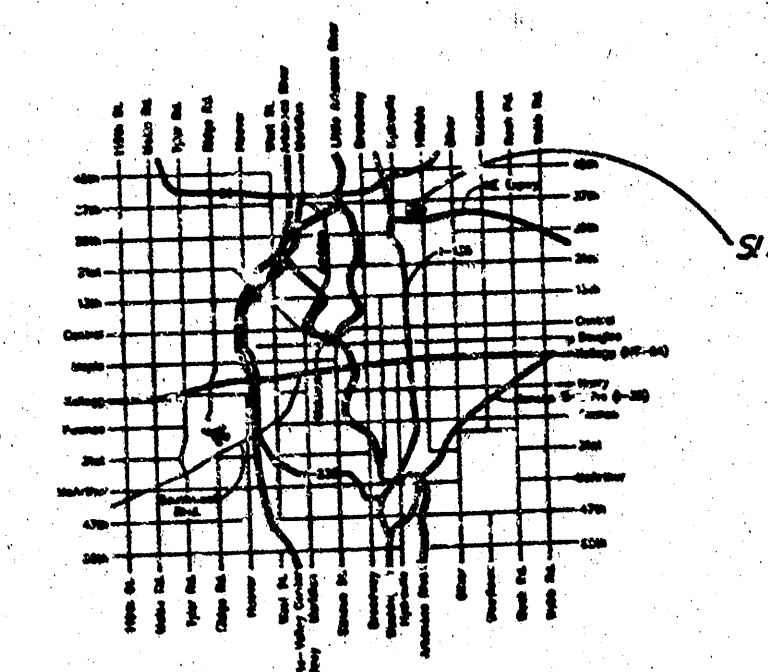
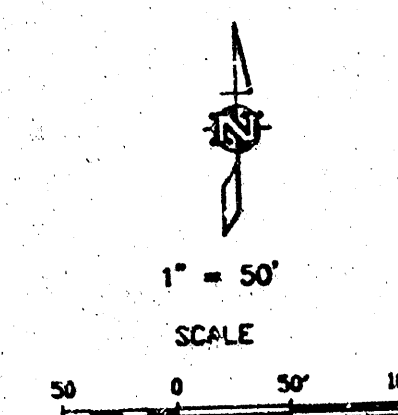
AREA = 6.51 AC.

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

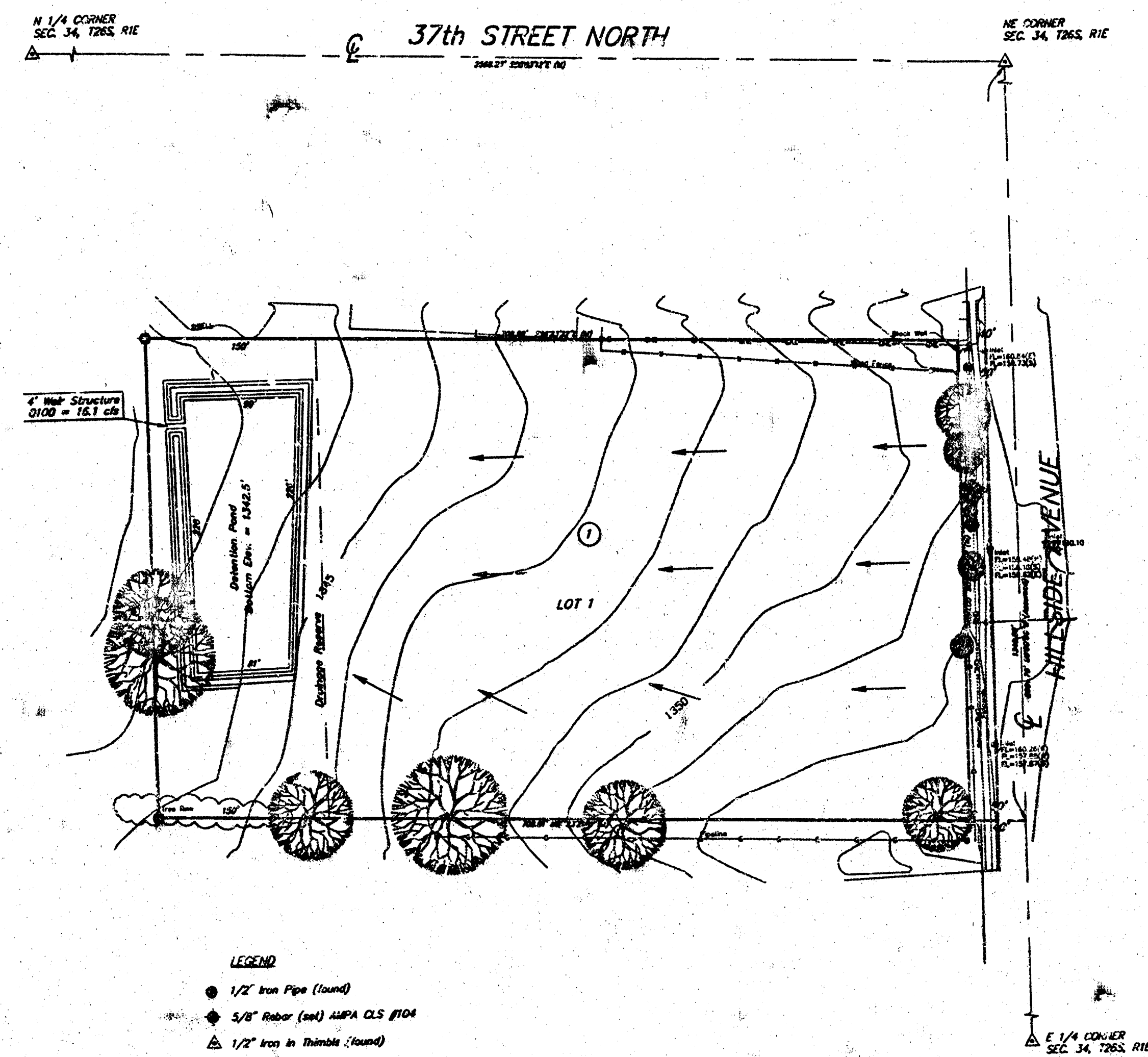
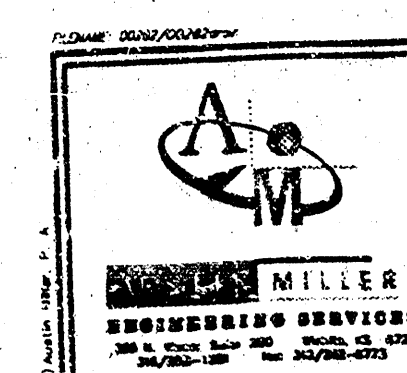
Improved Conditions:
 5 Yr. $c=0.65$, $i=2.37$ in/hr
 5 Yr. $Q = 15.1$ cfs
 100 Yr. $c=0.85$, $i=5.59$ in/hr
 100 Yr. $Q = 29.1$ cfs

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



LEGEND

- 12" Iron Pipe (round)
- ◆ 12" Riser (see) ASPA CLS #104
- △ 12" Iron in Trench (round)
- Direction of Flow