

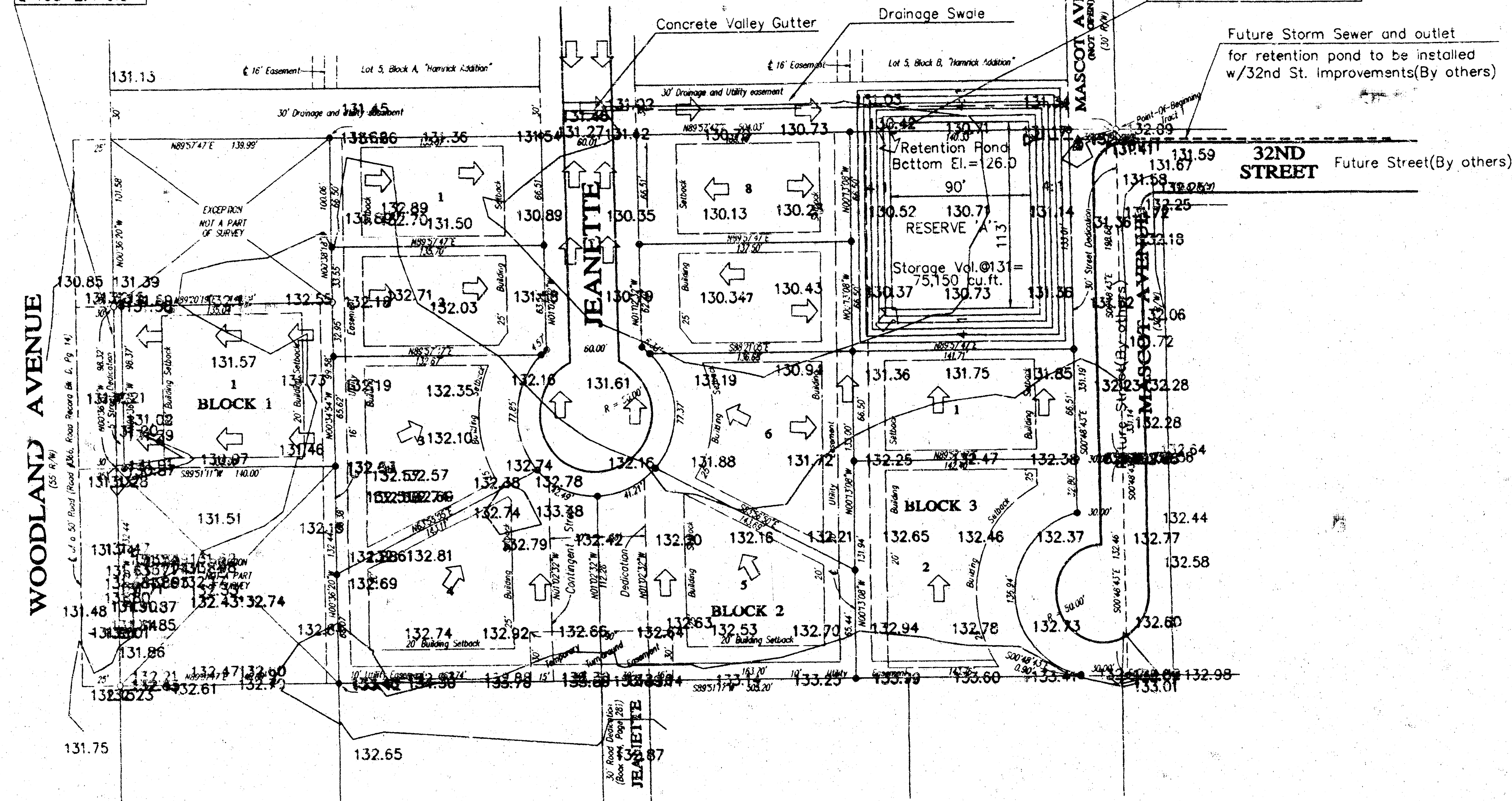
# Drainage Plan for "WOODLAND GLEN"

AN ADDITION TO SEDGWICK COUNTY, KANSAS  
IN THE SOUTHWEST QUARTER OF SECTION 32, T26S, R1E OF THE 6TH P.M.

**DRAINAGE DATA**  
Area=0.31 acres  
C = 0.85  
Tc = 15 min.  
Q 100=8.98 cfs  
Q 100=2.4 cfs

**DRAINAGE DATA**  
Area=3.9 acres  
C = 0.85  
Tc = 15 min.  
Q 100=8.98 cfs  
Q 100=29.70 cfs  
Retention Pond  
P 100 = 7.8"  
CN=75  
S=3.33  
SCS Q(runoff)=4.86 inches  
Vol. Runoff=68,803 cu.ft.  
Max. Stage=130.7

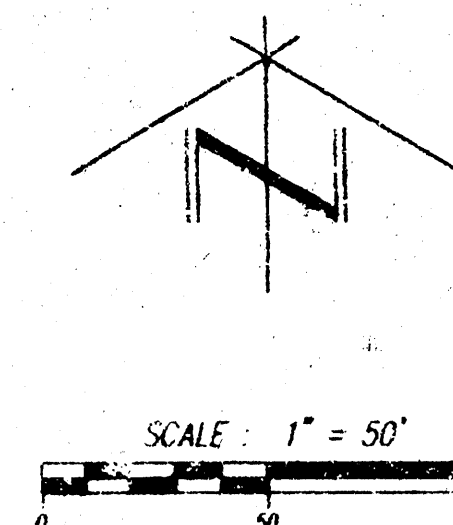
Pond water depth=4.7 feet for 100 yr. precip.  
SCS Soil Type B(Urban land-Canadian complex)  
Soil permeability = 2.0-6.0 in./hr.(From SCS Soil Survey)  
Time to empty by percolation=4.7'x12/2" / hr.=28.2 hours  
NOTE:  
(Retention pond will be converted into detention pond  
at a future date when storm sewer improvements are  
installed in with 32nd Street paving improvements.)



**BENCH MARK**  
Railroad spike in H.P. Northeast corner of  
Proposed "Woodland Glen"  
Elevation: 132.32' City Datum

**OTHER EASEMENTS**  
"Woodland Glen" lies within the  
KCE easements for pole line  
shown on map. (K 155, Pg. 342,  
and on map. (K 168, Pg. 355)

**SETBACKS**  
Side-yard building setbacks are 6' unless  
otherwise noted



**LEGEND:**  
● = 4" Rebar Set with I.D. Cap  
TIES TO CLS22"  
○ = Monument Found  
▲ = Bench Mark  
Bearing Basis Assumed

TOPOGRAPHIC SURVEY BY:

**TERRA TECH**  
LAND SURVEYING | INC.

|                                                                                |                         |         |
|--------------------------------------------------------------------------------|-------------------------|---------|
| DRAINAGE PLAN FOR<br><b>WOODLAND GLEN ADDITION</b><br>WICHITA, KS              |                         |         |
| <b>CERTIFIED ENGINEERING DESIGN</b>                                            |                         |         |
| 438 NORTH OHIO<br>WICHITA, KANSAS 67214<br>PH. (316)262-8808 FAX (316)262-0080 |                         |         |
| DESIGNED: HOF                                                                  | SCALE: 1" = 50'         | SHEET 1 |
| DRAWN: HOF                                                                     | DATE: 12-2-             |         |
| CHECKED: HOF                                                                   | CD FILE: WOOD_MOODP.DWG | TOTAL 1 |