

Drainage Area = 2.23 Ac.
 Hydrologic Soil Type "B"
 $T_c = 1$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 7.0$ cfs
 $Q_{100} = 13.1$ cfs

Drainage Area = 1.53 Ac.
 Hydrologic Soil Type "B"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 4.8$ cfs
 $Q_{100} = 9.0$ cfs

DRAINAGE PLAN

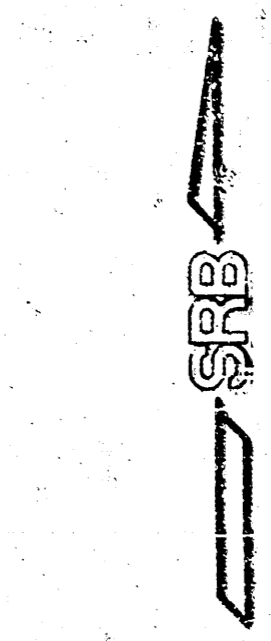
SAVANNAH PLACE ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

LEGAL DESCRIPTION :
 A replat of Lots 1 and 2, Westwood Hills Addition, Wichita, Sedgwick County, Kansas.

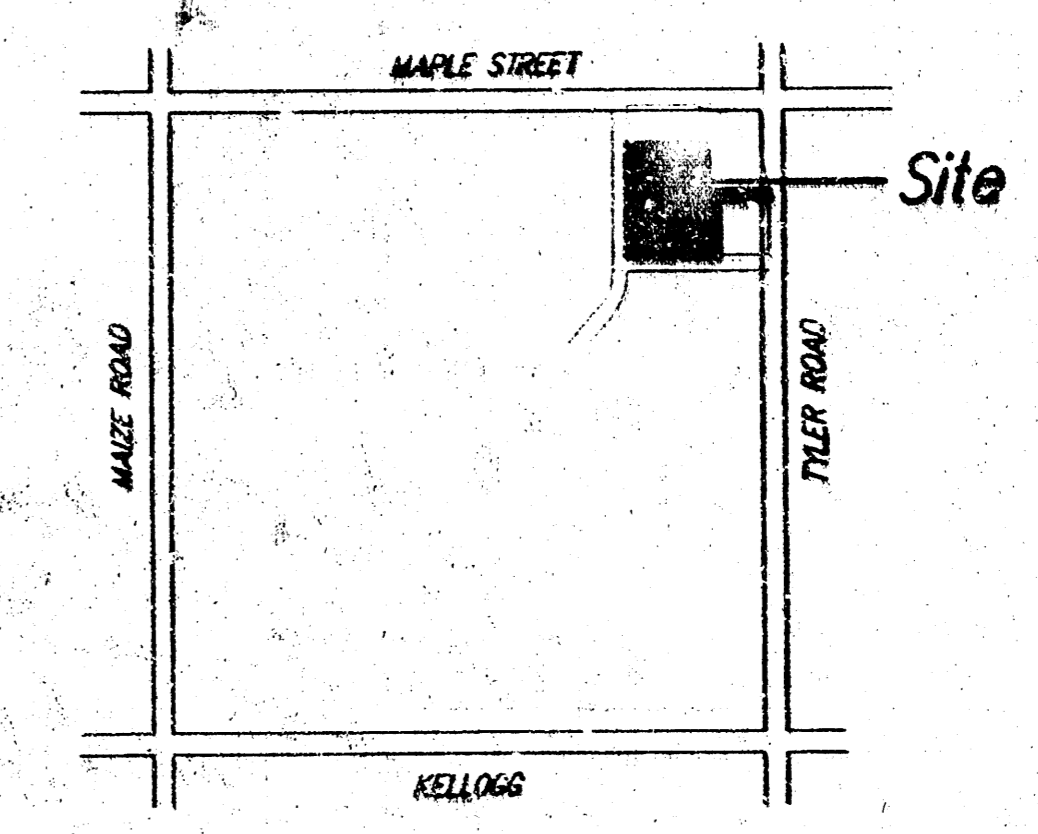
OWNER:
 SAVANNAH PLACE APARTMENTS, L.L.C.
 A LIMITED LIABILITY COMPANY
 BRYAN LAGALY, MEMBER
 1218 HICKORY CREEK ST.
 WICHITA, KANSAS 67235
 (316) 253-6833

- 15" RCP @ 0.38%
- Existing Curb Inlet (6'-4"x5'-4")
- Existing 15" RCP @ 0.36%
- Existing Curb Inlet (6'-4"x5'-4")
- Existing 18" RCP @ 0.32%
- Existing 60" RCP @ 0.1%



SCALE: 1"=50'
 ELEV. = CITY DATUM

City of Wichita Benchmark:
 50.7' north and 39.3' east of the C/L of Tyler and Maple
 in turn island. 64.3' S.W. to Sec Cor. iron.
 Elev. 144.12 (City Datum)
 Or - Site Bench Mark:
 Square Cut, Top of curb east end of curb return
 at N.E. Cor. of Maybelle and University.
 Elev. 143.76 (City Datum)



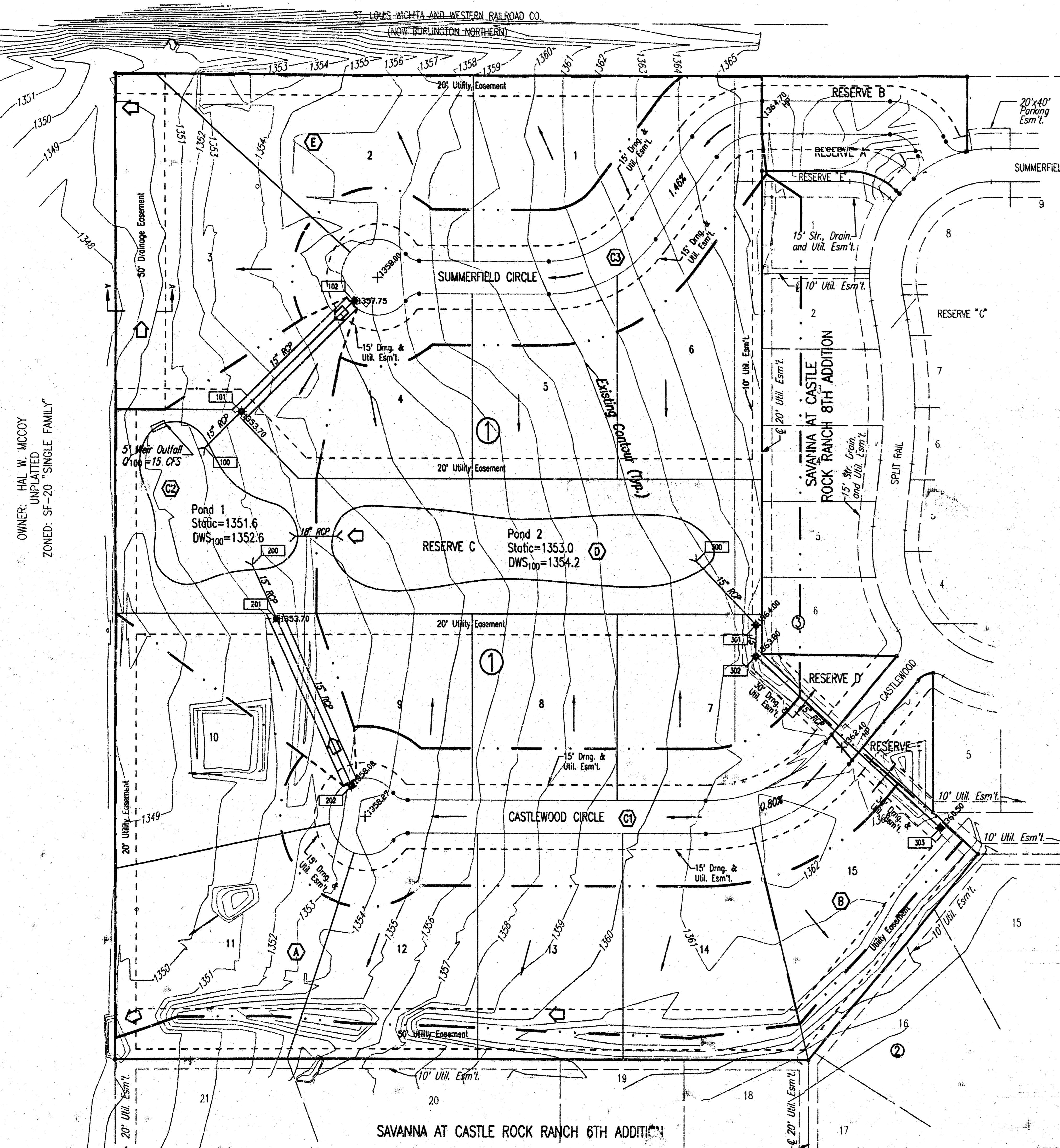
LOCATION MAP
 NO SCALE

SAVANNA AT CASTLE ROCK RANCH 10TH ADDITION

TO SEDGWICK COUNTY, KANSAS

DRAINAGE PLAN

N.E. CORNER, S.E. 1/4
SEC. 11, T27S, R2E
OF THE 6TH P.M.



OWNER: HAL W. MCCOY
UNPLATTED
ZONED: SF-20 'SINGLE FAMILY'

SCALE: 1" = 60'

• = 1/2" REBAR W/PEC CAP UNLESS OTHERWISE NOTED

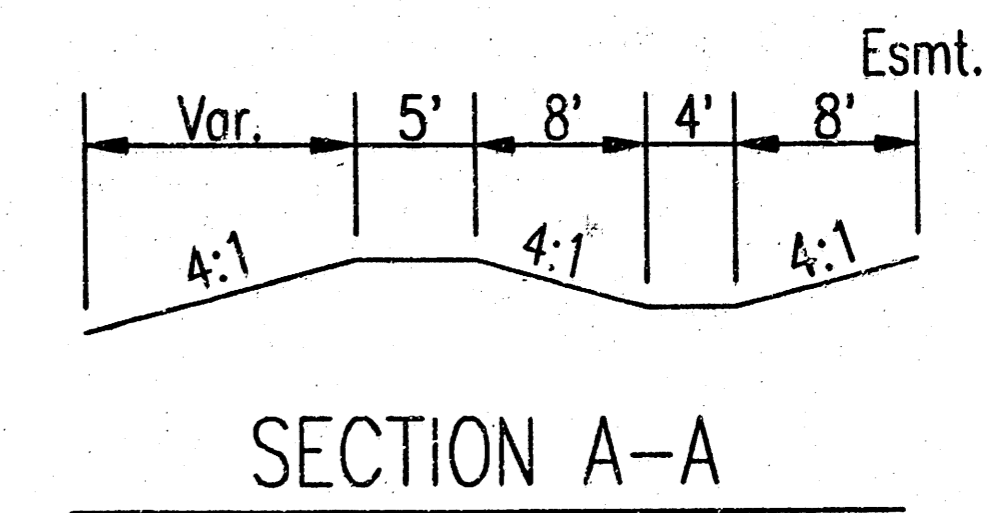
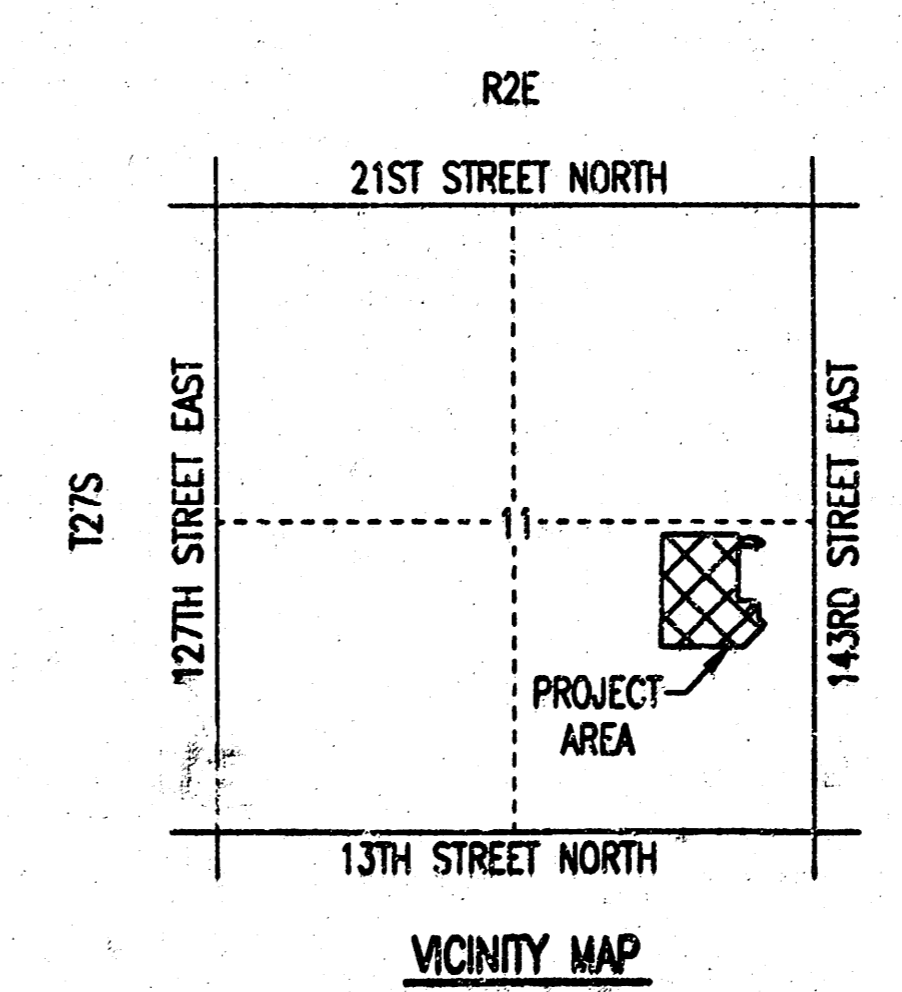
LEGEND

- (A) BASIN IDENTIFIER
- MAJOR BASIN BOUNDARY
- - - MINOR BASIN BOUNDARY
- ⇨ MAJOR STORM WATER OVERFLOW (Q100)
- ⇨ MINOR STORM WATER FLOW (Q2)
- 130 NODE IDENTIFIER
- X-30.500 SPOT ELEVATION (PROPOSED)
- X-30.500 HIGH POINT ELEVATION (PROPOSED)
- STORM SEWER AND INLET
- STORM SEWER AND MANHOLE

SEE SUPPORTING CALCULATIONS FOR HYDROLOGY

- BENCHMARKS:**
- BM#02: (NATURAL BENCHMARK) CHISELED "4" ON TOP OF STEEL CORNER POST 10 HOURS CORNER 17' NORTH AND 13' WEST OF NW CORNER OF LOT 1, BLOCK 2, SAVANNA @ CASTLE ROCK RANCH 8TH ADDITION @ WEST END OF CASTLEWOOD STREET. ELEV. = 1353.36 N.G.V.D.
 - BM#4: 600 STEP WALLS ON WEST FACE OF COTTAGEWOOD, 300ft SOUTH OF RAILROAD TRACKS, 50' EAST OF WEST PROPERTY LINE OF SAVANNA PROPERTY. ELEV. = 1351.64 N.G.V.D.
 - BM#6: CHISELED "4" ON NORTH RM SS MANHOLE NEAR SW CORNER LOT 1, BLOCK 3, SAVANNA @ CASTLE ROCK RANCH, 8TH ADDITION. ELEV. = 1366.24 N.G.V.D.
 - BM#7: CHISELED "4" ON NORTH RM SS MANHOLE NEAR SW CORNER LOT 6, BLOCK 3, SAVANNA @ CASTLE ROCK RANCH 8TH ADDITION. ELEV. = 1365.61 N.G.V.D.

MINIMUM OPENINGS	ELEVATION (N.G.V.D.)
BLOCK 1	
LOTS 3 & 10	1354.0
LOTS 4 through 9	1357.2



DSNR: RB OPER: BLB SCALE: 1=60.00
 Q:\2003\03342\LD0 03342.dwg\Drainage 03-12-2004 10:18:31 am