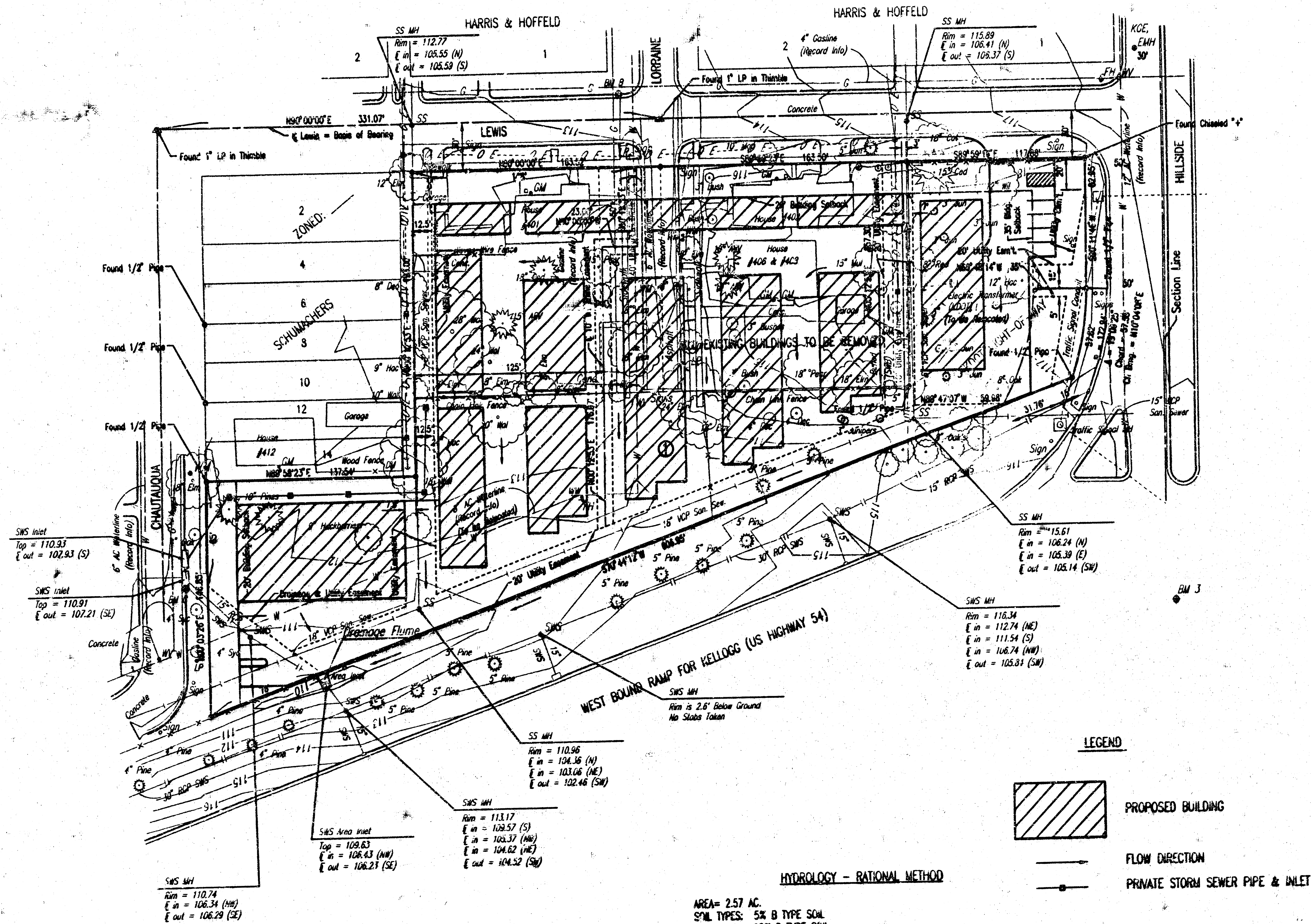


DRAINAGE PLAN
STORAGE HILLSIDE ADDITION
TO WICHITA, SEDGWICK COUNTY, KANSAS



SCALE: 1" = 40'

● = 3/4" IRON PIPE W/PEC CAP UNLESS NOTED OTHERWISE

Datum BM: City of Wichita BM, NE corner intersection (South of Kellogg)
Concrete Base for School Crossing Light.

Bed #3: Chiseled "o" on Top of Curb at North end median in E Hillside, North side of Kellogg at West bound on ramp.

Elev. = 117.05 City Datum
Elev. = 1304.45 M.G.V.D.

BM #11: Chiseled "+" on sidewalk, West side Hillside, approx. 90' South of centerline Lewis.
Elev. = 118.12 City Datum
Elev. = 1305.52 N.G.V.D.

Blk B: Chiseled "B" on West curb return, NW corner Lewis and Lorraine.
Elev. = 113.63 City Datum
Elev. = 1300.83 A.G.V.D.

BM C: Chiseled "d" at SW Corner Curb Inlet (South of 2), East side Chautauque,
approx. 285' south of Lewis.

LEGEND

PROPOSED BUILDING

FLOW DIRECTION

PRIVATE STORM SEWER PIPE & INLET

HYDROLOGY - RATIONAL METHOD

AREA= 2.57 AC.
SOIL TYPES: 5% B TYPE SOIL
95% D TYPE SOIL

TIME OF CONCENTRATION = t_c = 15 MINUTES

EXISTING CONDITIONS

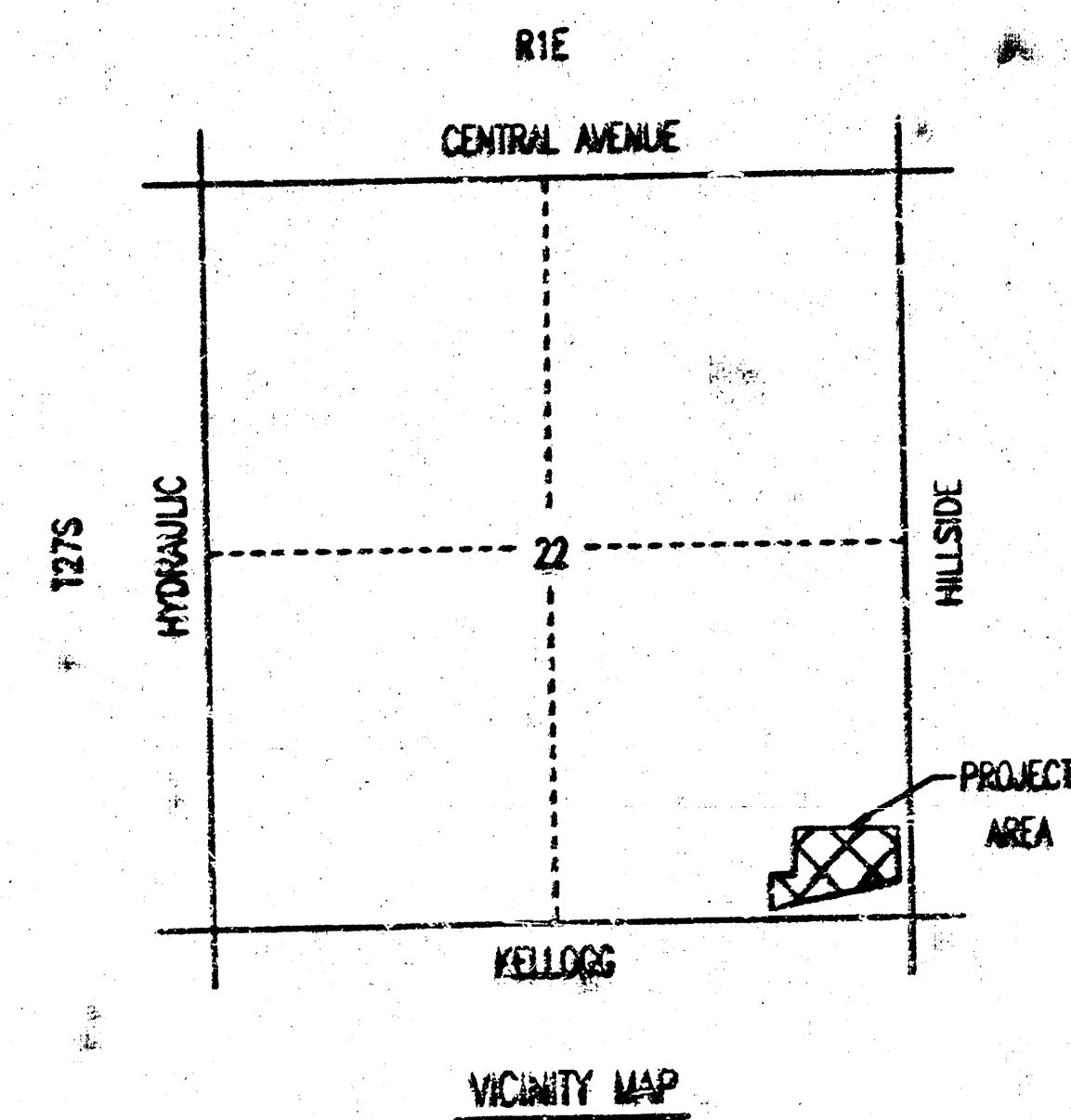
1/2 ACRE RESIDENTIAL

C₂=0.42
C₅=0.48
C₁₀=0.55
C₁₀₀=0.71

PROPOSED CONDITIONS

COMMERCIAL DEVELOPMENT (80% IMPERVIOUS)

$C_2=0.74$	$Q_2=7.2$ cfs
$C_3=0.76$	$Q_3=9.0$ cfs
$C_{10}=0.79$	$Q_{10}=19.6$ cfs
$C_{100}=0.84$	$Q_{100}=15.0$ cfs



DSNR: KER OPER: SAD SCALE: 1=40.00
G: 2030\00174\Self Storage\dwg\drainage 10-17-2000 10:29:54 am