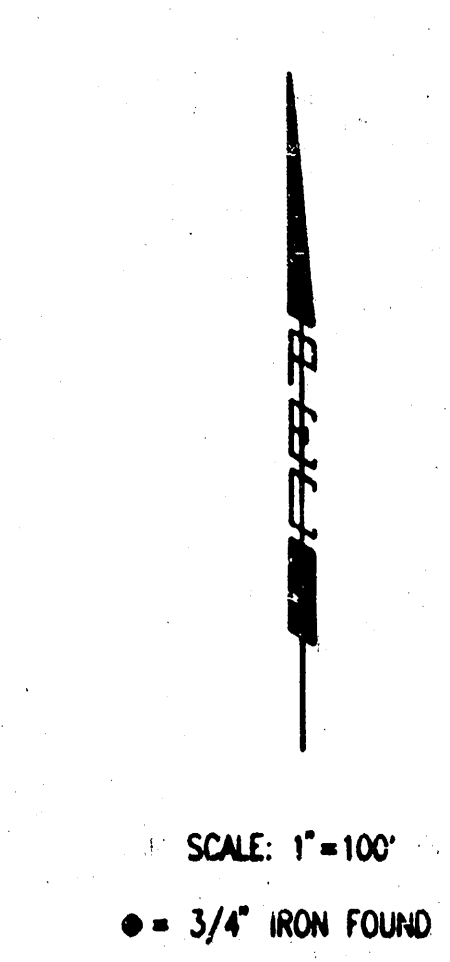
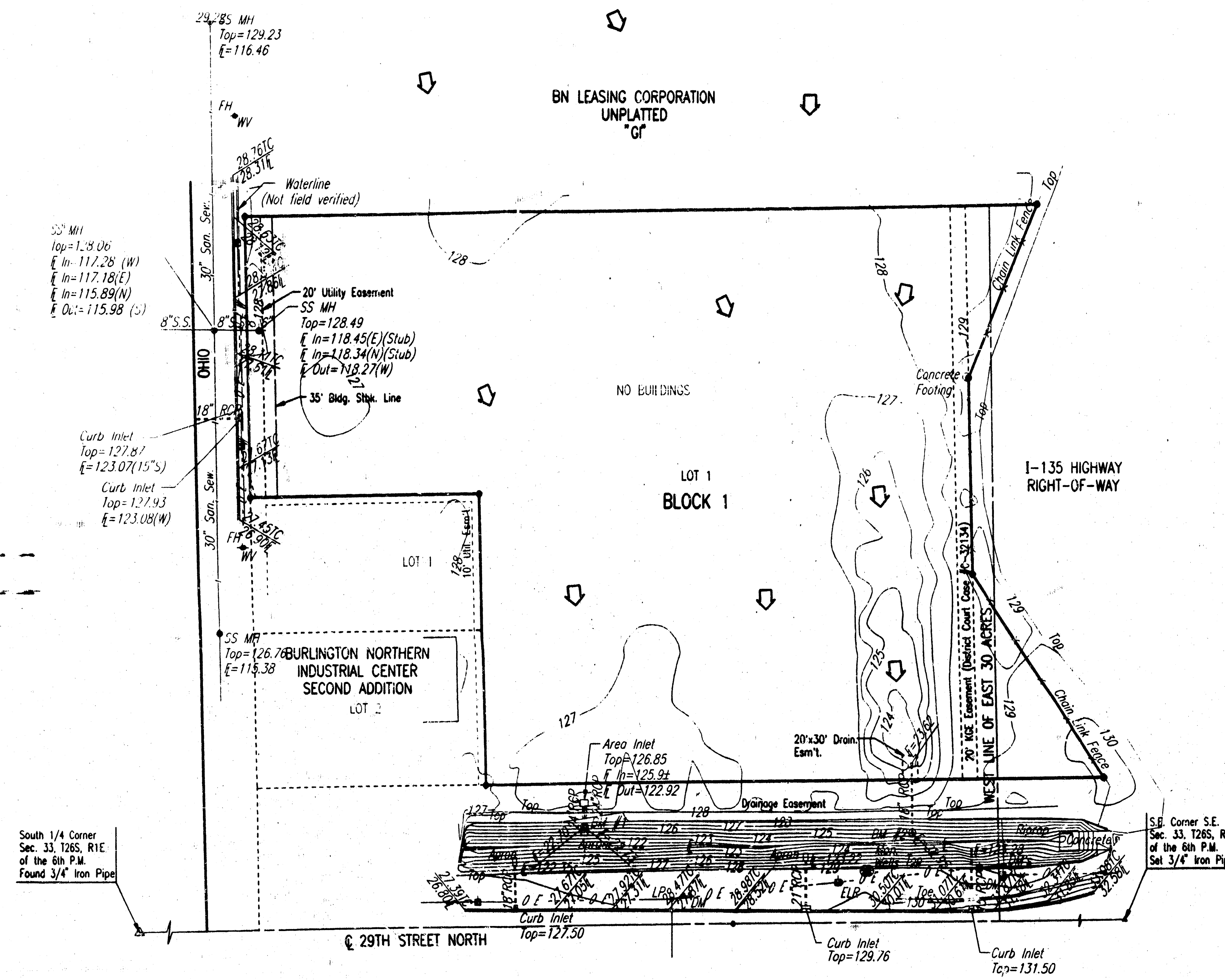


DRAINAGE PLAN REDBURN 2ND ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



DATUM BENCH MARK: RAILROAD SPIKE EMBEDDED IN CONCRETE HUBGUARD, S.W. CORNER
R1E UNDER OHIO ST. 75' NORTH OF 29TH STREET NORTH
ELEV.=129.61

BENCH MARK 1: CHISELED "I" IN TOP OF HEADWALL OF OUTFALL OF AREA INLET,
EAST OF S.W. PROPERTY CORNER. ELEV.=128.89

BENCH MARK 2: CHISELED "I" IN TOP OF PIPE OF OUTFALL OF AREA INLET, WEST
OF S.E. PROPERTY CORNER. ELEV.=124.73

CITY DATUM USED FOR ALL ELEVATIONS.
MEAN SEA LEVEL = CITY DATUM + 1187.4
ALL SOILS ARE SCS HYDROLOGIC SOIL GROUP TYPE "D".

LEGEND

→ STORM WATER FLOW

CONTRIBUTING AREA = 13.86 ACRES
RUNOFF COEFFICIENT = 0.76
ASSUMED TIME TO CONCENTRATION = 20 MINUTES
CONTRIBUTING 5 YEAR FLOWRATE = CIA = 0.76*4.00*13.86=42 CFS

