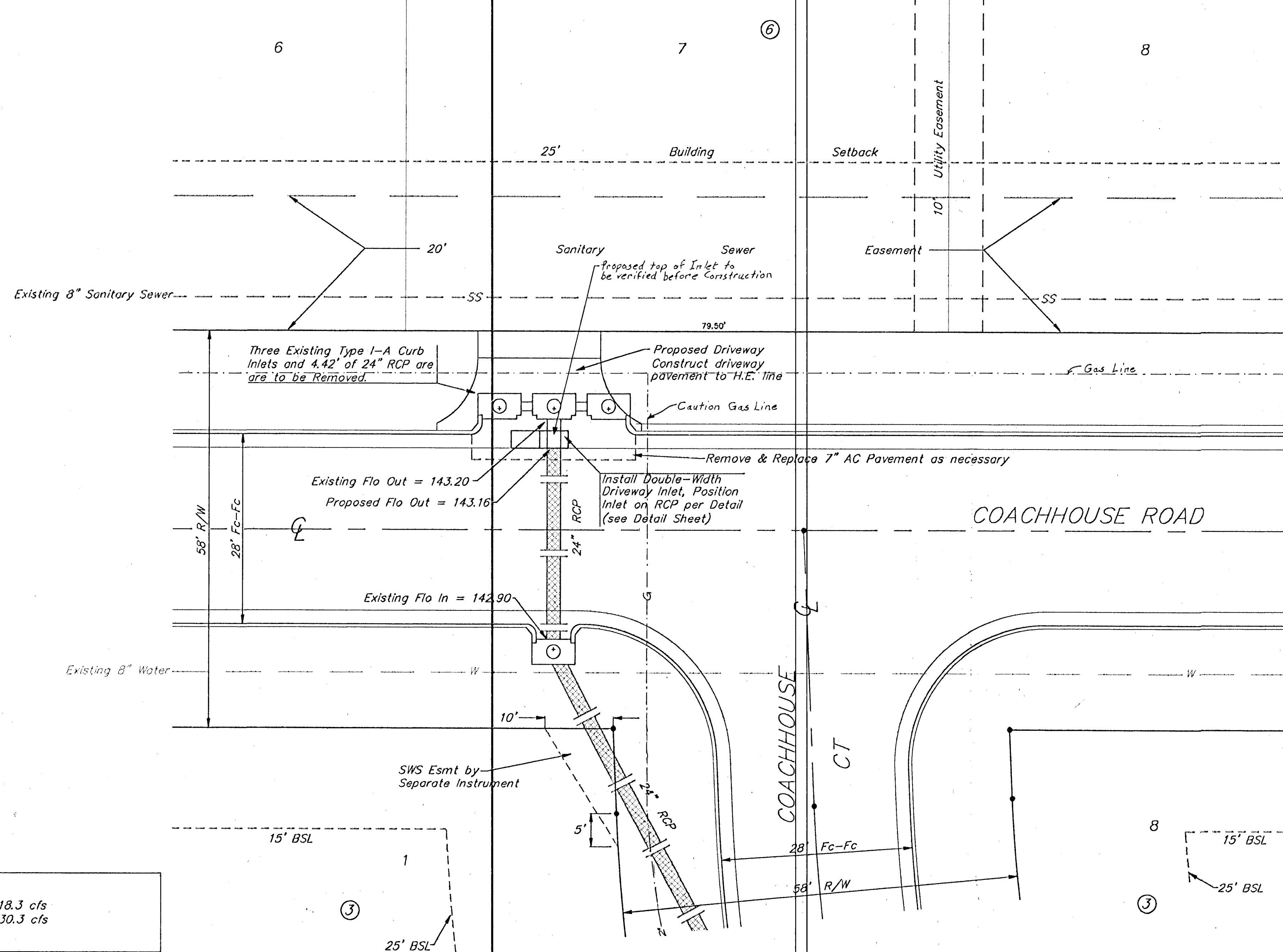
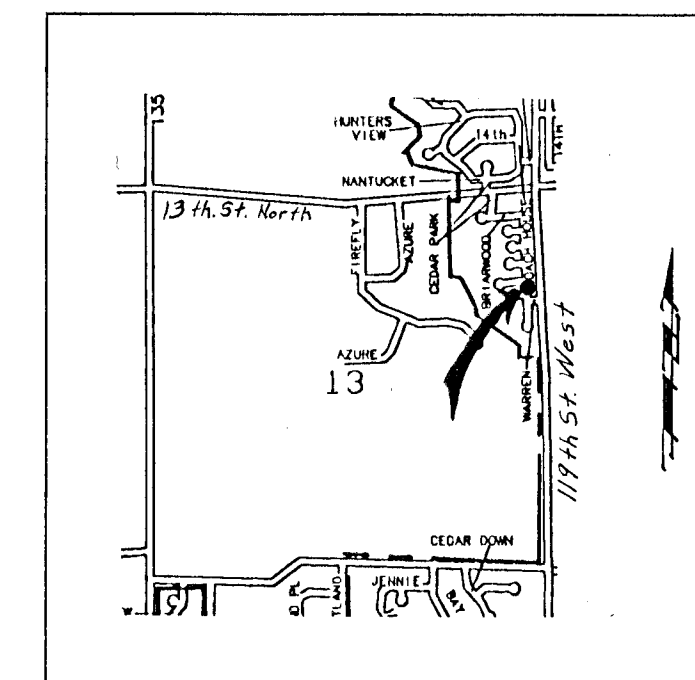


WALNUT CREEK 2nd ADDITION



Scale: 1" = 10'
• = IRON



Location Map

Benchmark: "□" cut in top of curb near the south side of lot 16, block 1, Walnut Creek Addition. Elevation = 151.03

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers URH 1/27/92
Driveway Approaches _____
Water Mains _____
Paving _____

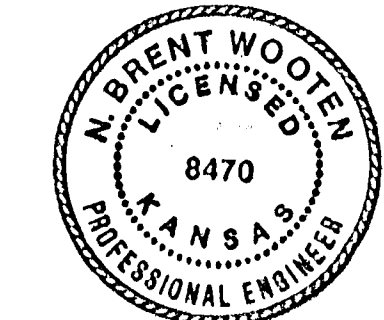
NOTE TO CONTRACTORS
Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer.

Inlet Capacity for 3-Type 1A Inlets:
h = Depth (ft) Case 1: h = 0.72 Q = 18.3 cfs
Case 2: h = 1.02 Q = 30.3 cfs

Calculations for Double-Width Inlet Gate Capacity:

$Q = 0.6 \cdot A \cdot \sqrt{2 \cdot h \cdot g}$ Case 1: h = h (TC) - h (high edge)
h = 0.49'
Q = Flow (cfs)
A = Area (ft²) Q = 2 * (0.6 * 4.783 * $\sqrt{2} * 0.49 * 32.2$)
h = Depth (ft) Q = 32.24 cfs
g = Gravity (ft/s²)

Open Area of Gate = 4.783 ft² Case 2: h = h (ROW) - h (high edge)
h = 0.79'
Q = 2 * (0.6 * 4.783 * $\sqrt{2} * 0.79 * 32.2$)
Q = 40.94 cfs



Rev 1-30-92

DRIVEWAY INLET CONST.

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
325PPS (607861)

DESIGN T.C.R./B.P. DRAWN B.P. APPROVED DATE JAN. 16, 1992 SCALE 1" = 10'

REV. SHEET 1 OF 2

Sheet #2 Double width Drive Inlet