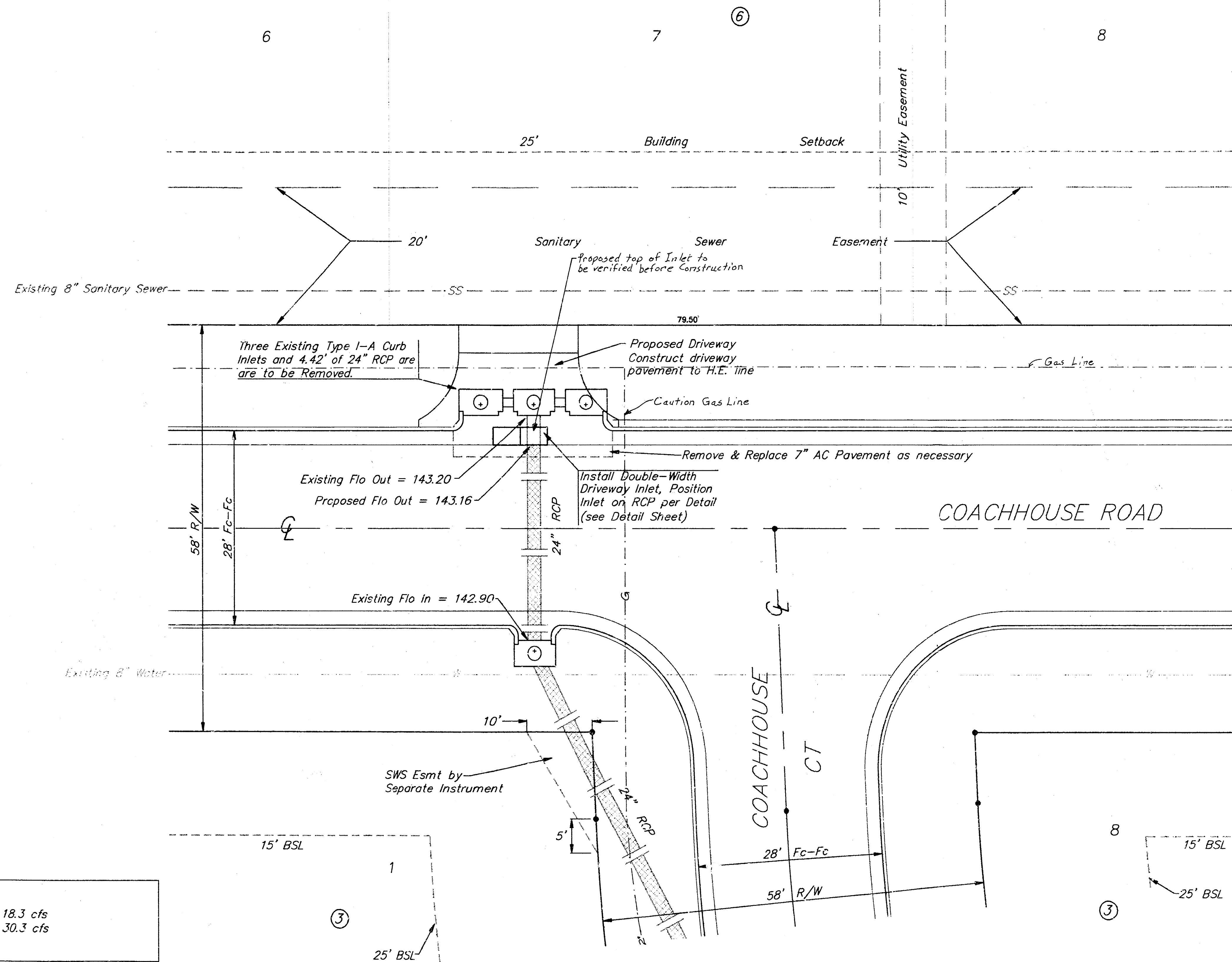
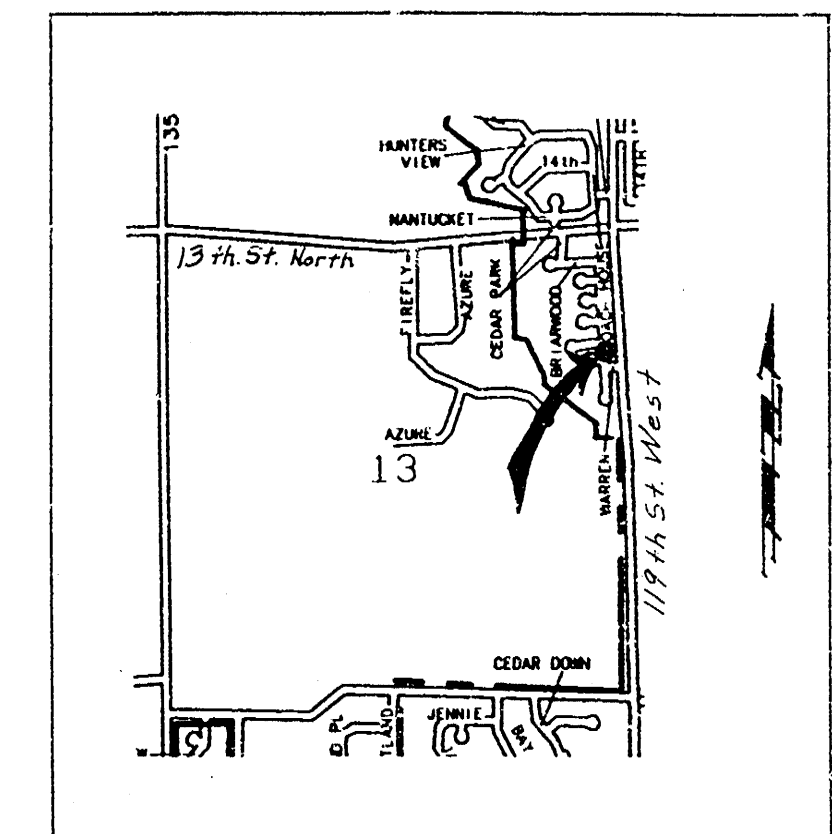


WALNUT CREEK 2nd ADDITION



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

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 Grate Capacity:

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

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

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

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

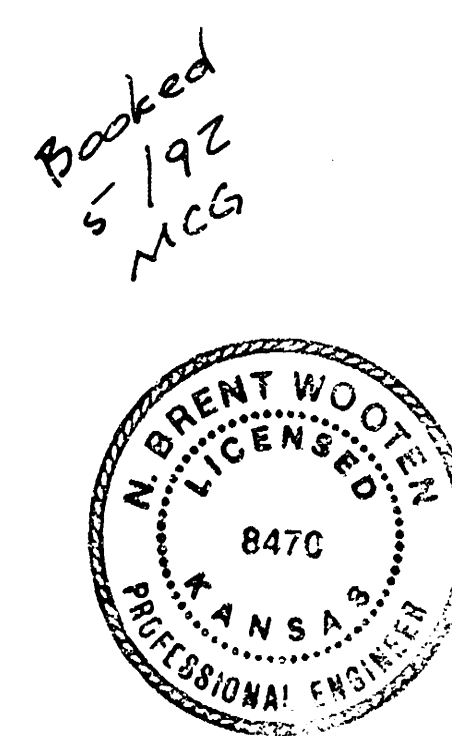
NOTE TO CONTRACTORS

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.

Revised as built 4-15-92 TCR Rev 1-30-92

DRIVEWAY INLET CONST.

		REV.
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211		SHEET 1 OF 2
PROJECT NUMBER 325PPS (607861)		
DESIGN T.C.R./B.P.	DRAWN B.P.	APPROVED JAN. 16, 1992



Booked
5/92
MCS