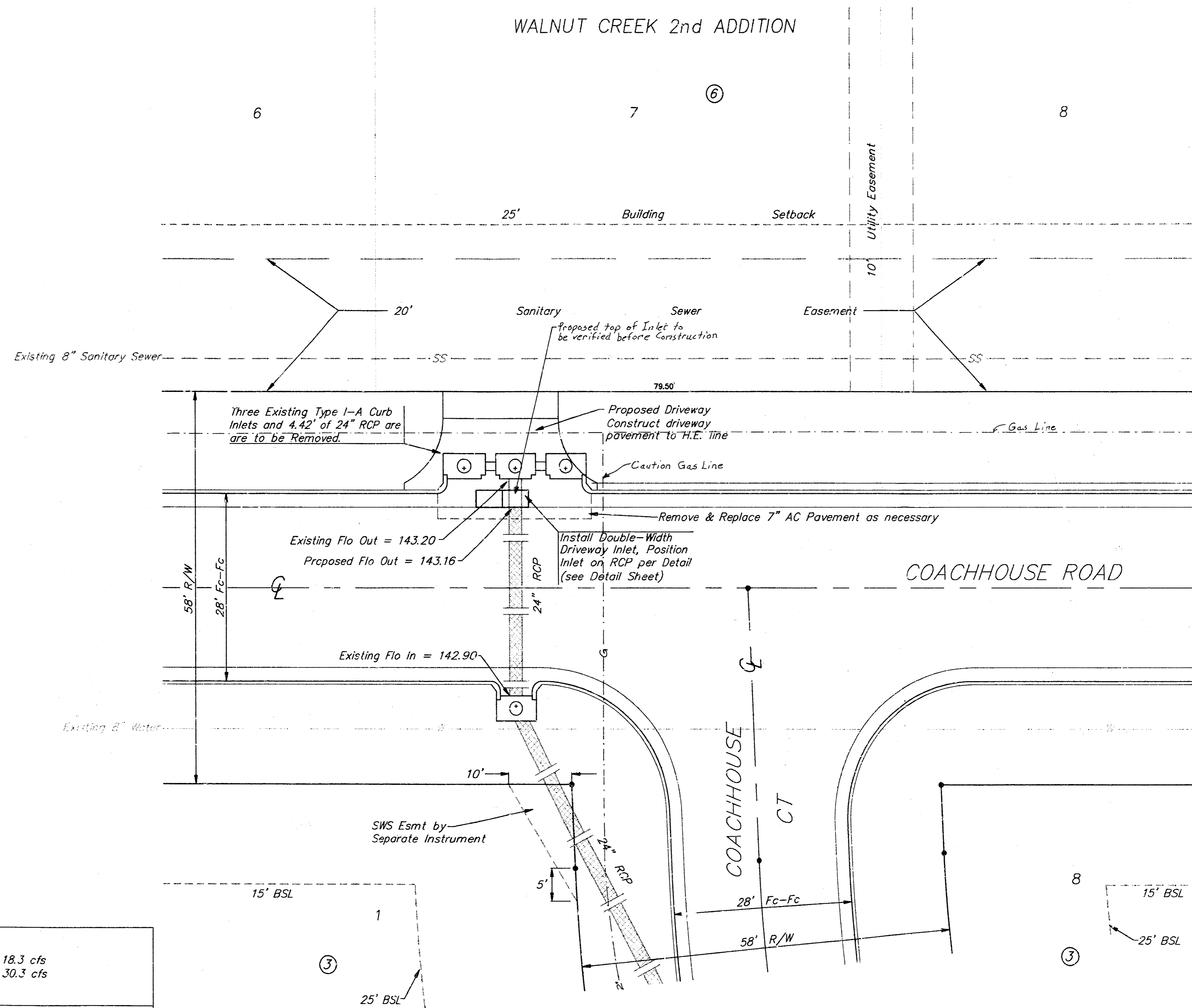
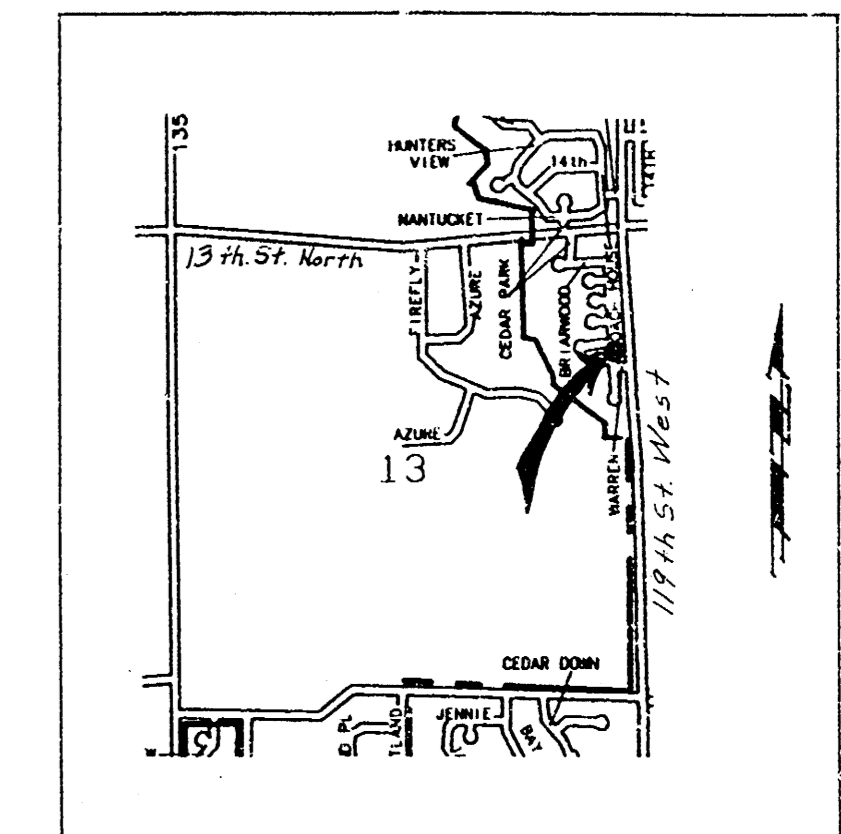


WALNUT CREEK 2nd ADDITION



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

<p>Inlet Capacity for 3-Type 1A Inlets: $h = \text{Depth (ft)}$ Case 1: $h = 0.72$ $Q = 18.3$ cfs Case 2: $h = 1.02$ $Q = 30.3$ cfs</p>	
<p>Calculations for Double-Width Inlet Grate Capacity:</p>	
<p>$Q = 0.6 \cdot A \cdot \sqrt{2 \cdot h \cdot g}$ $Q = \text{Flow (cfs)}$ $A = \text{Area (ft}^2\text{)}$ $h = \text{Depth (ft)}$ $g = \text{Gravity (ft/s}^2\text{)}$</p>	<p>Case 1: $h = h (TC) - h (\text{high edge}) = 0.49'$ $Q = 2 \cdot (0.6 \cdot 4.783 \cdot \sqrt{2 \cdot 0.49 \cdot 32.2}) = 32.24$ cfs</p>
<p>Open Area of Grate = 4.783 ft²</p>	<p>Case 2: $h = h (ROW) - h (\text{high edge}) = 0.79'$ $Q = 2 \cdot (0.6 \cdot 4.783 \cdot \sqrt{2 \cdot 0.79 \cdot 32.2}) = 40.94$ cfs</p>

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 commenced without written authorization by the City Engineer.

Booked
5-19-92
MCS

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

DRIVEWAY INLET CONST.

<p>BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211</p>		REV.
<p>PROJECT NUMBER 325PPS (60786 1)</p>		SHEET 1
DESIGN T.C.R./B.P.	DRAWN B.P.	APPROVED DATE JAN. 16, 1992
SCALE 1" = 10'		OF 2