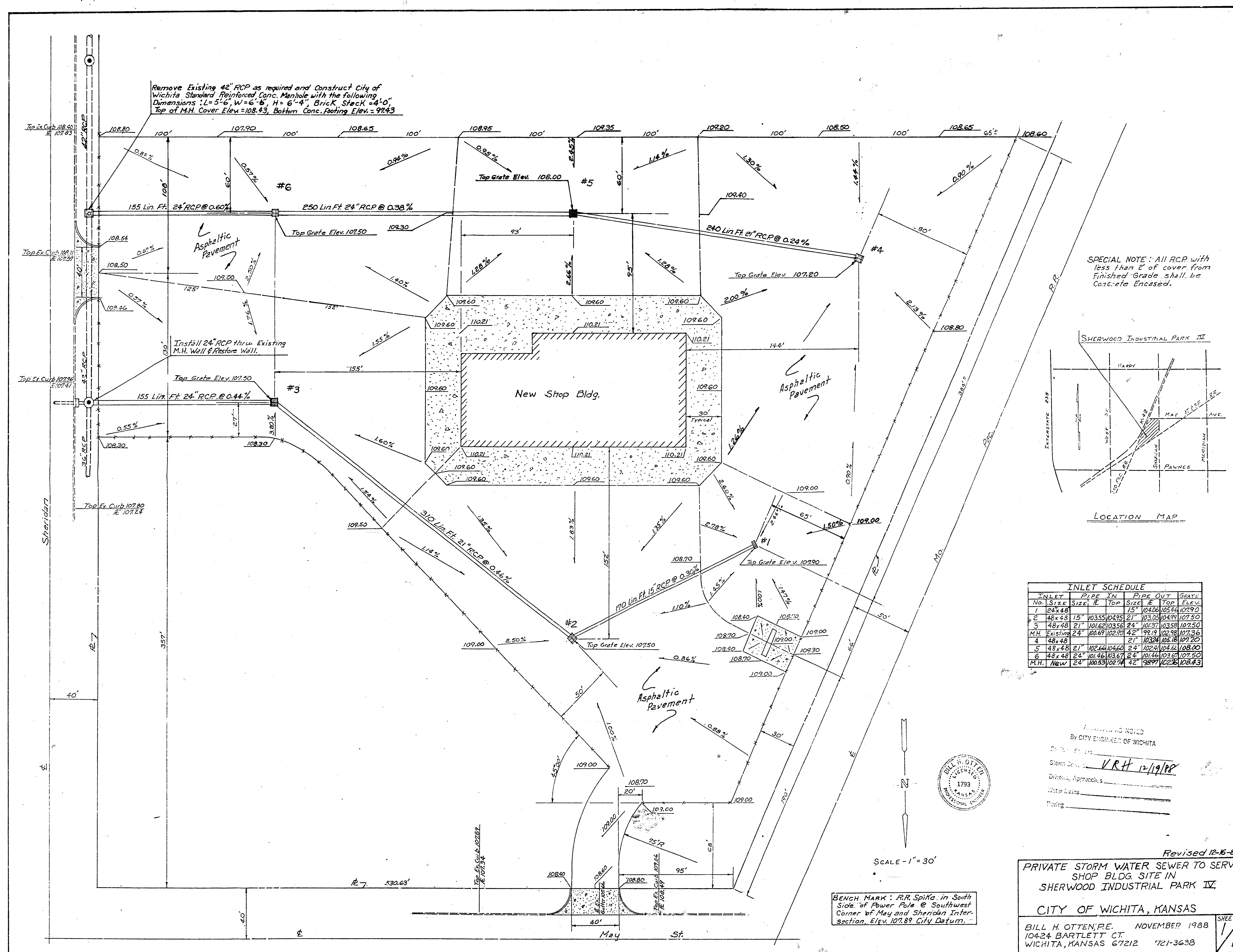


Sherwood Industrial II



Storm Sewer Design to Serve Shop Bldg. Site
in Sherwood Industrial Park IV
Bill Otten Date 11-10-88 Page 1 MILLCON CORPORATION

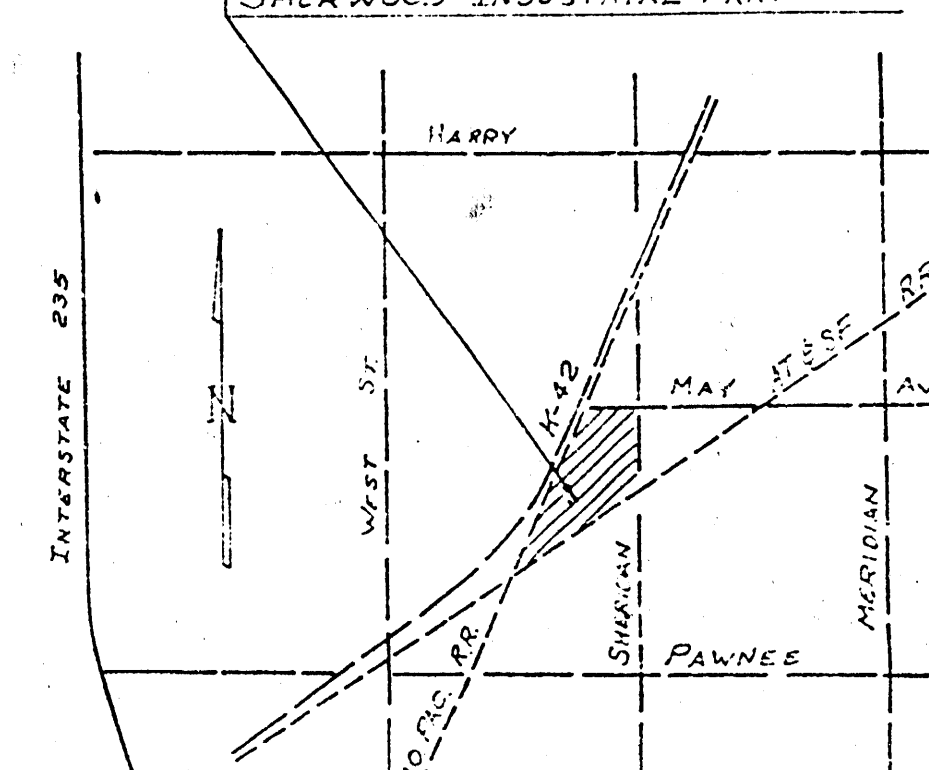
$Q = C LA \dot{w}$ $\dot{w}$ = one Hour rainfall once in 5 years
 $C = .90$
 A = Area in Acres

$$Q = \frac{1.486}{n} A R^{2/3} S^{1/2} \quad \tau = 0.012 \quad \text{Min } V = 3' / \text{sec.}$$

<u>Line Location</u>	<u>Area Increment</u>	<u>Area Total</u>	<u>Time In</u>	<u>Time Section</u>	<u>i index</u>	<u>Q cfs</u>	<u>Size Pipe</u>	<u>Vel Ft/sec</u>	<u>Slope min</u>
#1 to #2	.31	.31	5min	1min	6.7	1.9	15"	3	0.32
#2 to #3	1.76	2.07	6min.	2min	6.4	11.9	21"	5.1	0.46
#3 to MH	.95	3.02	8min		5.9	16.0	24"	5.0	0.44
#4 to #5	1.33	1.33	5min.	1min	6.7	8.0	21"	3.3	0.24
#5 to #6	1.27	2.60	6min	1min	6.4	15.0	24"	4.7	0.38
#6 to MH	.84	3.44	7min		6.2	19.2	24"	6.0	0.60

SPECIAL NOTE: All R.C.P. with less than 2' of cover from Finished Grade shall be Concrete Encased.

SHERWOOD INDUSTRIAL PARK IV



LOCATION MAP

INLET		PIPE IN		PIPE OUT		GRATE
NO.	SIZE	SIZE	TOP	SIZE	TOP	FL.
2	24" x 48"			15"	104.06	105.44
2	48" x 48"	15"	103.55	14.95	103.05	104.99
3	48" x 48"	21"	101.62	102.35	24"	101.37
M.H.	5' x 8' x 2'	24"	100.69	102.90	42"	99.19
4	48" x 48"			21"	102.34	105.18
5	48" x 48"	21"	102.66	104.60	24"	103.24
6	48" x 48"	24"	101.46	103.67	24"	101.46
M.H.	5' x 8' x 2'	24"	100.53	102.74	42"	98.97

AS NOTED
BY CITY ENGINEER OF WICHITA

City of Wichita
Storm Sewer: VRH 12/19/88
Drinking Approach: _____
Water Mains: _____
Footing: _____

Revised 12-16-88

PRIVATE STORM WATER SEWER TO SERVE
SHOP BLDG. SITE IN
SHERWOOD INDUSTRIAL PARK IV

CITY OF WICHITA, KANSAS

BILL H. OTTEN, P.E. NOVEMBER 1988
10424 BARTLETT CT.
WICHITA, KANSAS 67212 721-3638

SHEET
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