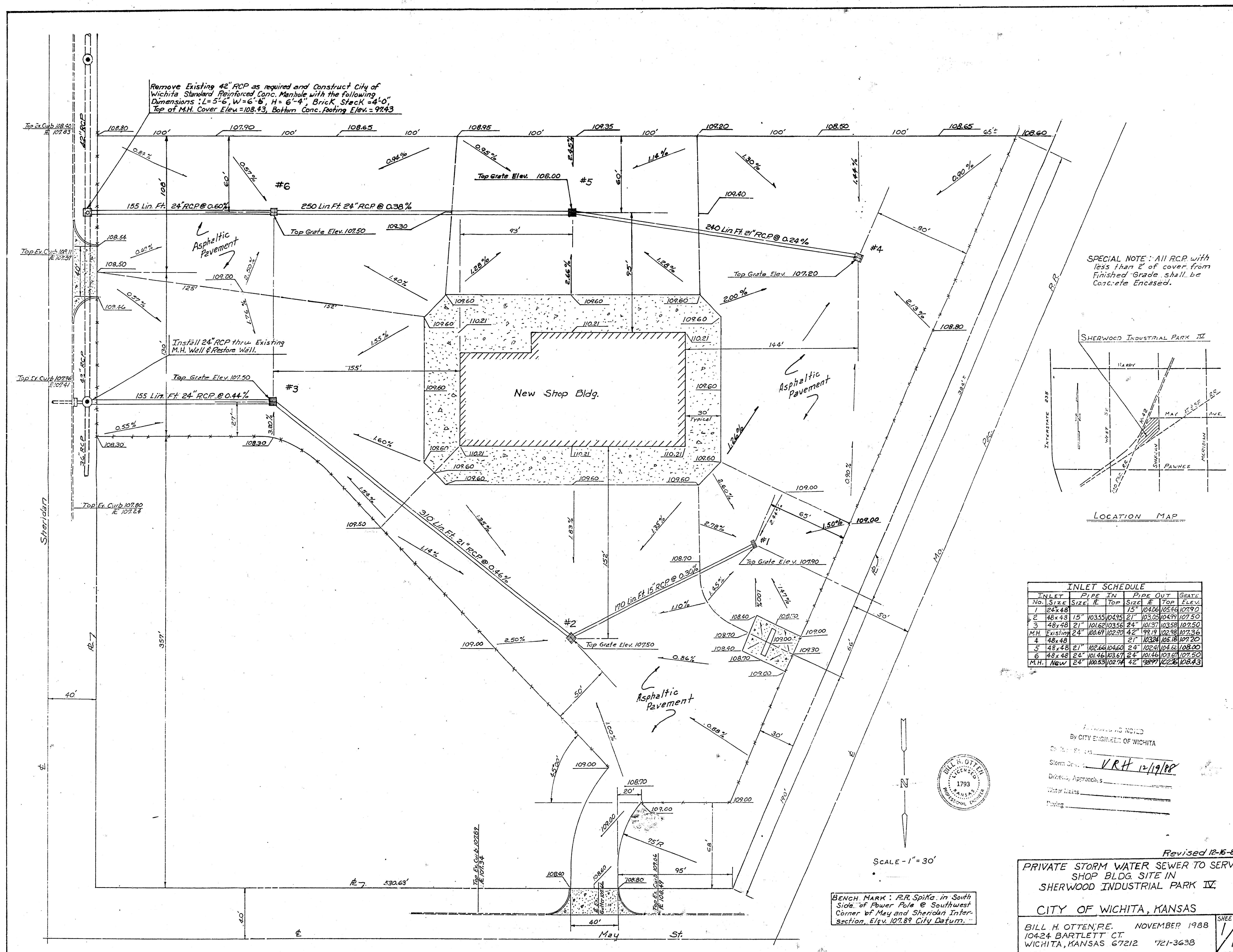


Sherwood Industrial Park IV

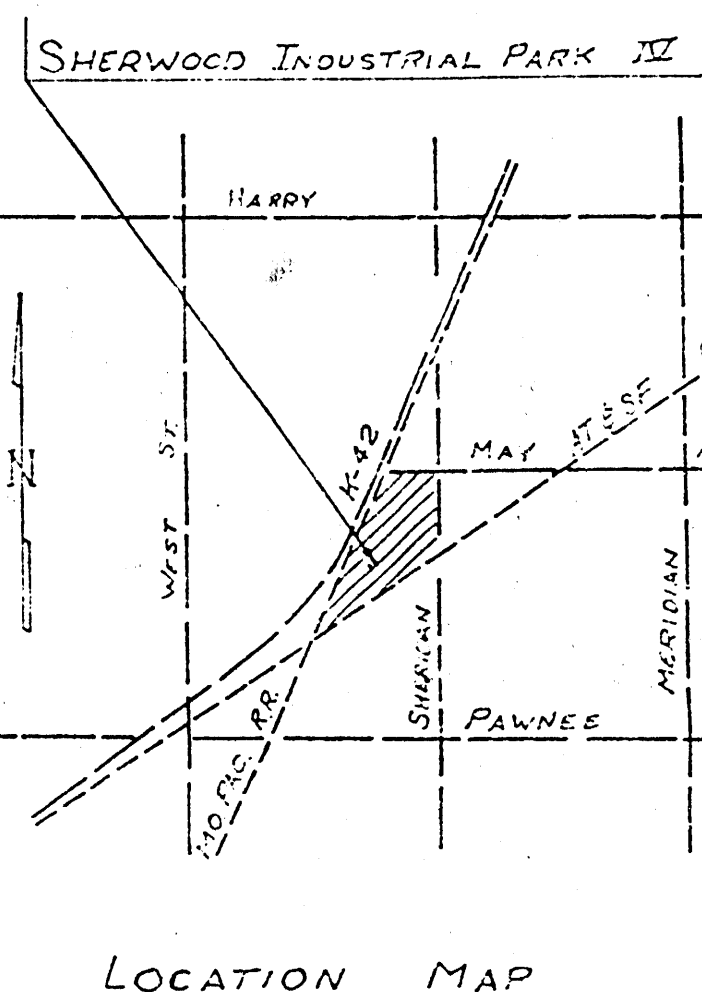


Storm Sewer Design to Serve Shop Bldg. Site
in Sherwood Industrial Park IV
Bill Otten 11-10-88 MILLICORPORATION
Q = C I A = one hour rainfall once in 5 years
C = .90
A = Area in Acres

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

Line Location	Area Increment	Area Total	Time In Section min	Q cfs	Size Pipe	Vel ft/sec	Slope
#1 to #2	.31	.31	5min 1min	6.7	15"	3	0.30
#2 to #3	1.76	2.07	6min 2min	6.4	11.9	21"	0.46
#3 to MH	.95	3.02	8min	5.9	16.0	24"	0.44
#4 to #5	1.33	1.33	5min 1min	6.7	8.0	21"	0.24
#5 to #6	1.27	2.60	6min 1min	6.4	15.0	24"	0.38
#6 to MH	.84	3.44	7min	6.2	18.2	24"	0.60

SPECIAL NOTE: All RCP with less than 2' of cover from finished grade shall be concrete encased.



INLET SCHEDULE						
INLET NO.	PIPE IN SIZE	PIPE IN TOP ELEV.	PIPE OUT SIZE	PIPE OUT TOP ELEV.	GRATE TOP ELEV.	GRATE INLET
1	24x48	108.80	15"	108.80	108.80	108.80
2	48x48	107.90	24"	107.90	107.90	107.90
3	48x48	107.90	24"	107.90	107.90	107.90
MH Existing	24"	107.90	42"	107.90	107.90	107.90
4	48x48	107.90	21"	107.90	107.90	107.90
5	48x48	107.90	24"	107.90	107.90	107.90
6	48x48	107.90	24"	107.90	107.90	107.90
MH New	24"	107.90	42"	107.90	107.90	107.90

DESIGNED AND DRAWN BY CITY ENGINEER OF WICHITA

City Engineer
Sewer Design
Division Approvals
Water Rights
Filing

Revised 12-15-88
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 1/1