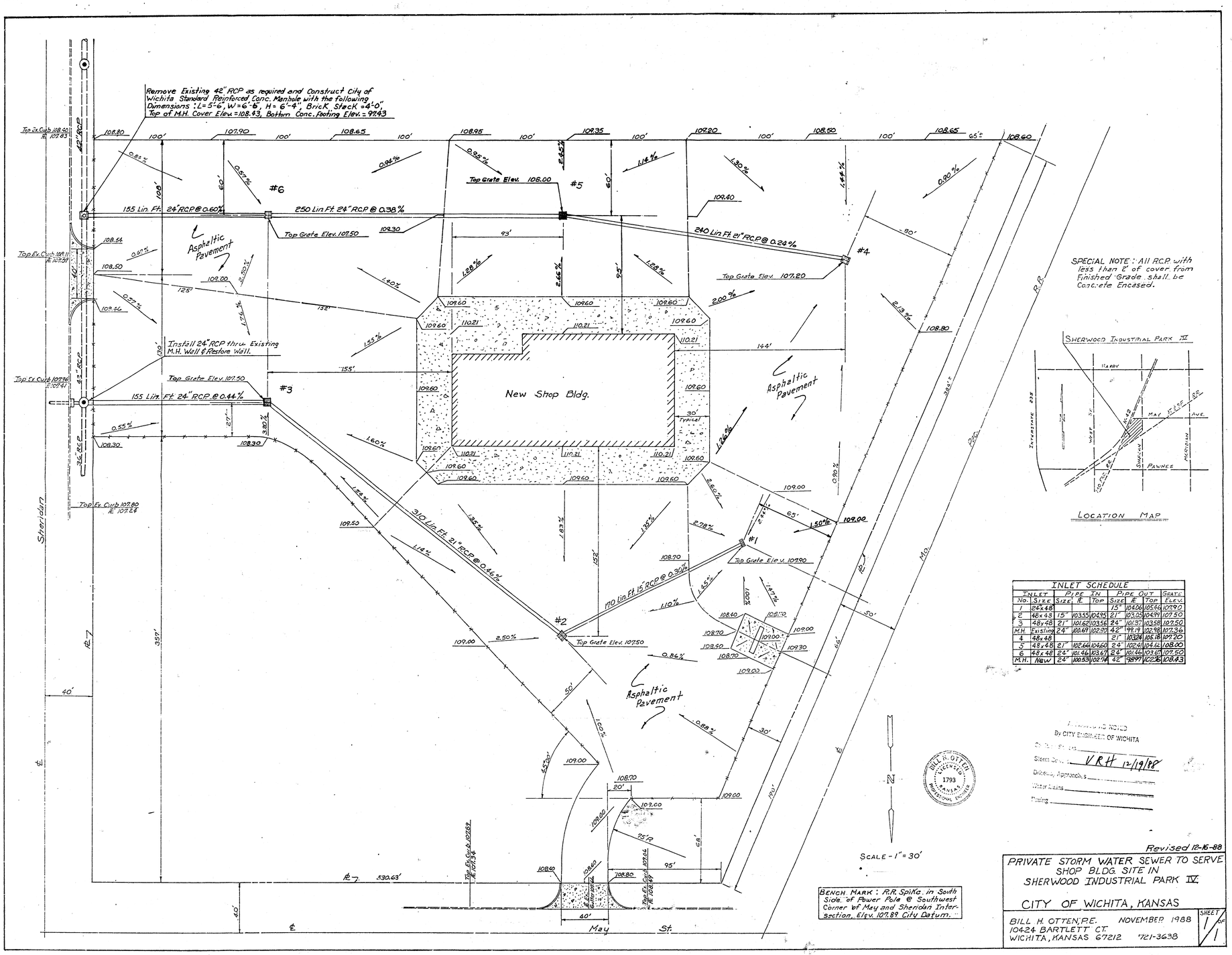
Sherwood Industrial I



INLET SCHEDULE							
INLET		PIPE IN		PIPE OUT			GRATE
No.	SIZE	SIZE	℄	TOP	SIZE	℄	TOP	ELEV.
1	24x48				15"	104.06	105.46	107.90
2	48x48	15"	103.55	104.95	21"	103.05	104.99	107.50
3	48x48	21"	101.67	103.56	24"	101.37	103.58	102.50
M.H.	Existing	24"	100.69	102.90	42"	99.18	102.88	107.36
4	48x48				21"	103.24	105.18	107.20
5	48x48	21"	102.64	104.60	24"	102.41	104.62	108.00
6	48x48	24"	101.46	103.67	24"	101.46	103.67	107.50
M.H.	New	24"	100.53	102.74	42"	98.99	102.26	108.43

REVIEWED NOTED
By CITY ENGINEER OF WICHITA
Storm Sewer: VRH 12/19/88
Driveway, Approaches
Water Mains
Paving

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 1 OF 1

Storm Sewer Design to Serve Shop Bldg. Site in Sherwood Industrial Park IV

by Bill Otten Date 11-10-88 Proj. 1 Of 1

MILLCON CORPORATION

$Q = CiA$ i = one Hour rainfall once in 5 years
$C = .90$
A = Area in Acres

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

Line Location	Area Increment	Area Total	Time In Section	Time min	i	Q cfs	Size Pipe	Vel Ft/sec	Slope min
#1 to #2	.31	.31	5min	1min	6.7	1.9	15"	3	0.30
#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