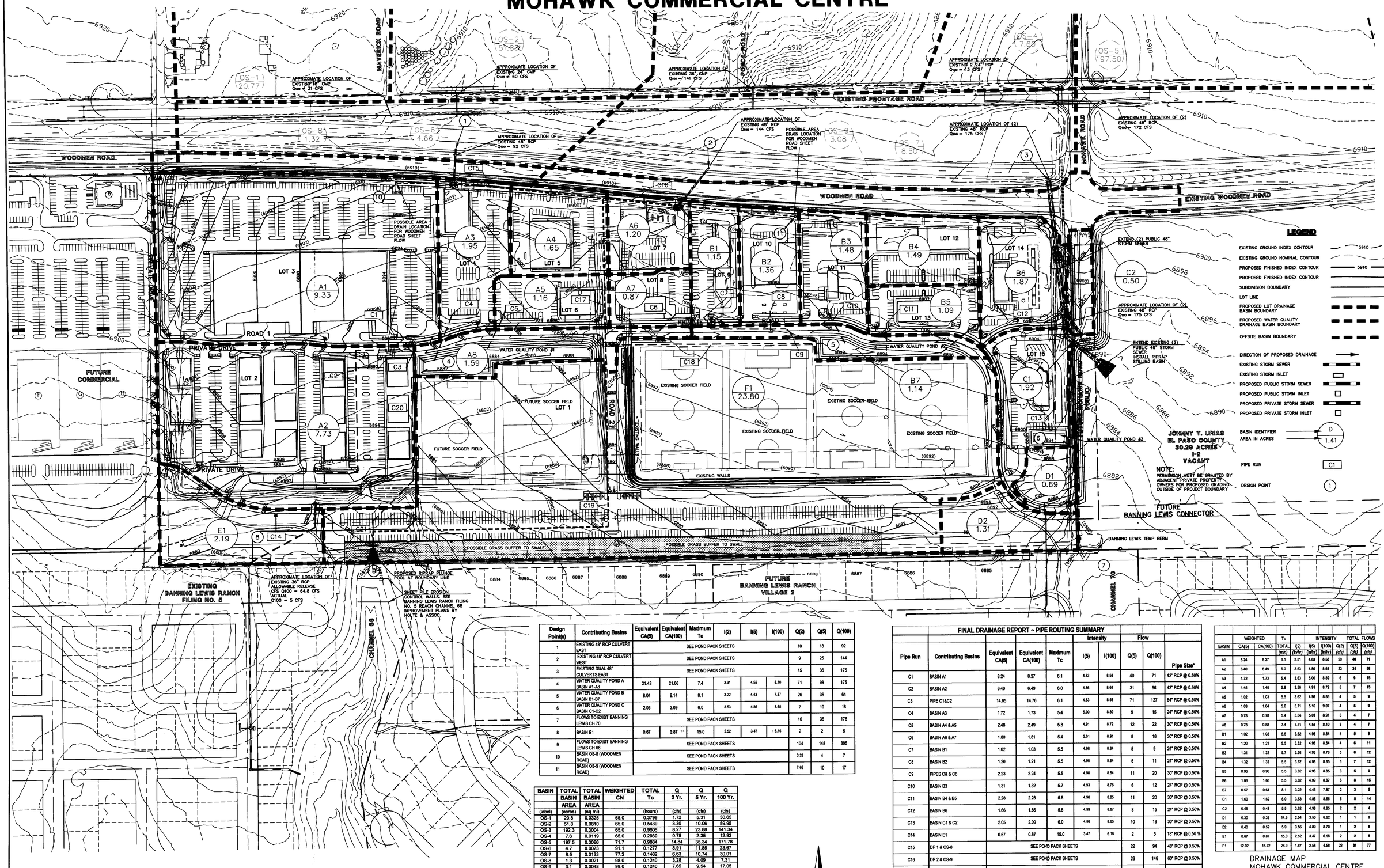
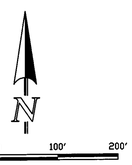
DRAINAGE MAP
MOHAWK COMMERCIAL CENTRE



Design Point(s)	Contributing Basins	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	I(2)	I(5)	I(100)	Q(2)	Q(5)	Q(100)
1	EXISTING 48" RCP CULVERT EAST	SEE POND PACK SHEETS						10	18	92
2	EXISTING 48" RCP CULVERT WEST	SEE POND PACK SHEETS						9	25	144
3	EXISTING DUAL 48" CULVERTS EAST	SEE POND PACK SHEETS						15	36	175
4	WATER QUALITY POND A BASIN A1-A8	21.43	21.66	7.4	3.31	4.55	8.10	71	98	175
5	WATER QUALITY POND B BASIN B1-B7	8.04	8.14	8.1	3.22	4.43	7.87	26	36	64
6	WATER QUALITY POND C BASIN C1-C2	2.05	2.09	6.0	3.53	4.86	8.65	7	10	18
7	FLOWS TO EXIST BANNING LEWIS CH 70	SEE POND PACK SHEETS						16	36	176
8	BASIN E1	0.67	0.87	15.0	2.52	3.47	6.16	2	2	5
9	FLOWS TO EXIST BANNING LEWIS CH 68	SEE POND PACK SHEETS						104	148	395
10	BASIN OS-8 (WOODMEN ROAD)	SEE POND PACK SHEETS						3.28	4	7
11	BASIN OS-9 (WOODMEN ROAD)	SEE POND PACK SHEETS						7.65	10	17

BASIN	TOTAL BASIN AREA	TOTAL BASIN AREA	WEIGHTED CN	Tc	Q 2 Yr.	Q 5 Yr.	Q 100 Yr.
(label)	(acres)	(sq mi)		(hours)	(cfs)	(cfs)	(cfs)
OS-1	20.8	0.0325	65.0	0.3796	1.72	5.31	30.65
OS-2	51.8	0.0810	65.0	0.5439	3.30	10.06	59.95
OS-3	192.3	0.3004	65.0	0.9806	8.27	23.88	141.34
OS-4	7.6	0.0119	65.0	0.2939	0.78	2.35	12.93
OS-5	197.5	0.3086	71.7	0.9884	14.84	35.34	171.78
OS-6	4.7	0.0073	91.1	0.1277	8.91	11.85	23.67
OS-7	8.5	0.0133	77.2	0.1462	5.83	10.74	30.01
OS-8	1.3	0.0021	98.0	0.1240	3.28	4.09	7.31
OS-9	3.1	0.0048	98.0	0.1240	7.65	9.54	17.05



SCALE: 1" = 100'

Pipe Run	Contributing Basins	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity I(5)	Intensity I(100)	Flow Q(5)	Flow Q(100)	Pipe Size#
C1	BASIN A1	8.24	8.27	6.1	4.83	8.58	40	71	42" RCP @ 0.50%
C2	BASIN A2	6.40	6.49	6.0	4.86	8.64	31	56	42" RCP @ 0.50%
C3	PIPE C16C2	14.65	14.76	6.1	4.83	8.58	71	127	54" RCP @ 0.50%
C4	BASIN A3	1.72	1.73	5.4	5.00	8.89	9	15	24" RCP @ 0.50%
C5	BASIN A4 & A5	2.48	2.49	5.8	4.91	8.72	12	22	30" RCP @ 0.50%
C6	BASIN A6 & A7	1.80	1.81	5.4	5.01	8.91	9	16	30" RCP @ 0.50%
C7	BASIN B1	1.02	1.03	5.5	4.98	8.84	5	9	24" RCP @ 0.50%
C8	BASIN B2	1.20	1.21	5.5	4.98	8.84	6	11	24" RCP @ 0.50%
C9	PIPES C8 & C8	2.23	2.24	5.5	4.98	8.84	11	20	30" RCP @ 0.50%
C10	BASIN B3	1.31	1.32	5.7	4.93	8.76	6	12	24" RCP @ 0.50%
C11	BASIN B4 & B5	2.28	2.28	5.5	4.98	8.85	11	20	30" RCP @ 0.50%
C12	BASIN B6	1.66	1.66	5.5	4.99	8.87	8	15	24" RCP @ 0.50%
C13	BASIN C1 & C2	2.05	2.09	6.0	4.86	8.65	10	18	30" RCP @ 0.50%
C14	BASIN E1	0.67	0.87	15.0	3.47	6.16	2	5	18" RCP @ 0.50 %
C15	DP 1 & OS-8	SEE POND PACK SHEETS					22	94	48" RCP @ 0.50%
C16	DP 2 & OS-9	SEE POND PACK SHEETS					26	146	60" RCP @ 0.50%
C17	PIPE C15 & C16	SEE POND PACK SHEETS					45	205	66" RCP @ 0.50%
C18	DP 5	8.04	8.14	8.1	4.43	7.87	36	64	42" RCP @ 0.50%
C19	PIPE C17 & C18	SEE POND PACK SHEETS					112	305	84" RCP @ 0.50%
C20	DP 4	21.43	21.66	7.4	4.55	8.10	98	175	60" RCP @ 0.50%
C21	PIPE C19, C20 & BASIN F1	SEE POND PACK SHEETS					148	395	84" RCP @ 0.50%

BASIN	WEIGHTED CA(5)	WEIGHTED CA(100)	Tc TOTAL	INTENSITY I(2)	INTENSITY I(5)	INTENSITY I(100)	TOTAL FLOWS Q(2)	TOTAL FLOWS Q(5)	TOTAL FLOWS Q(100)
			(min)	(in/hr)	(in/hr)	(in/hr)	(cfs)	(cfs)	(cfs)
A1	8.24	8.27	6.1	3.51	4.83	8.58	29	40	71
A2	6.40	6.49	6.0	3.53	4.86	8.64	23	31	56
A3	1.72	1.73	5.4	3.63	5.00	8.89	6	9	15
A4	1.45	1.46	5.8	3.56	4.91	8.72	5	7	13
A5	1.02	1.03	5.5	3.62	4.98	8.85	4	5	9
A6	1.03	1.04	5.0	3.71	5.10	9.07	4	5	9
A7	0.78	0.78	5.4	3.64	5.01	8.91	3	4	7
A8	0.78	0.88	7.4	3.31	4.55	8.10	3	4	7
B1	1.02	1.03	5.5	3.62	4.98	8.84	4	5	9
B2	1.20	1.21	5.5	3.62	4.98	8.84	4	6	11
B3	1.31	1.32	5.7	3.58	4.93	8.76	5	6	12
B4	1.32	1.32	5.5	3.62	4.98	8.85	5	7	12
B5	0.96	0.96	5.5	3.62	4.98	8.85	3	5	9
B6	1.66	1.66	5.5	3.62	4.99	8.87	6	8	15
B7	0.57	0.64	8.1	3.22	4.43	7.87	2	3	5
C1	1.60	1.62	6.0	3.53	4.86	8.65	6	8	14
C2	0.45	0.48	5.5	3.62	4.98	8.85	2	2	4
D1	0.30	0.35	14.6	2.54	3.50	6.22	1	1	2
D2	0.40	0.52	5.9	3.56	4.89	8.70	1	2	5
E1	0.67	0.87	15.0	2.52	3.47	6.16	2	2	5
F1	12.02	16.72	26.9	1.87	2.58	4.58	22	31	77

DRAINAGE MAP
MOHAWK COMMERCIAL CENTRE
JOB NO. 2207.10
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SHEET 1 OF 1

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