

SEE OFFSITE DRAINAGE  
AREA MAP C5.1 FOR  
OF1 + OF2 DETAIL

INTERSTATE HIGHWAY  
(VARIABLE WIDTH R.O.W.)

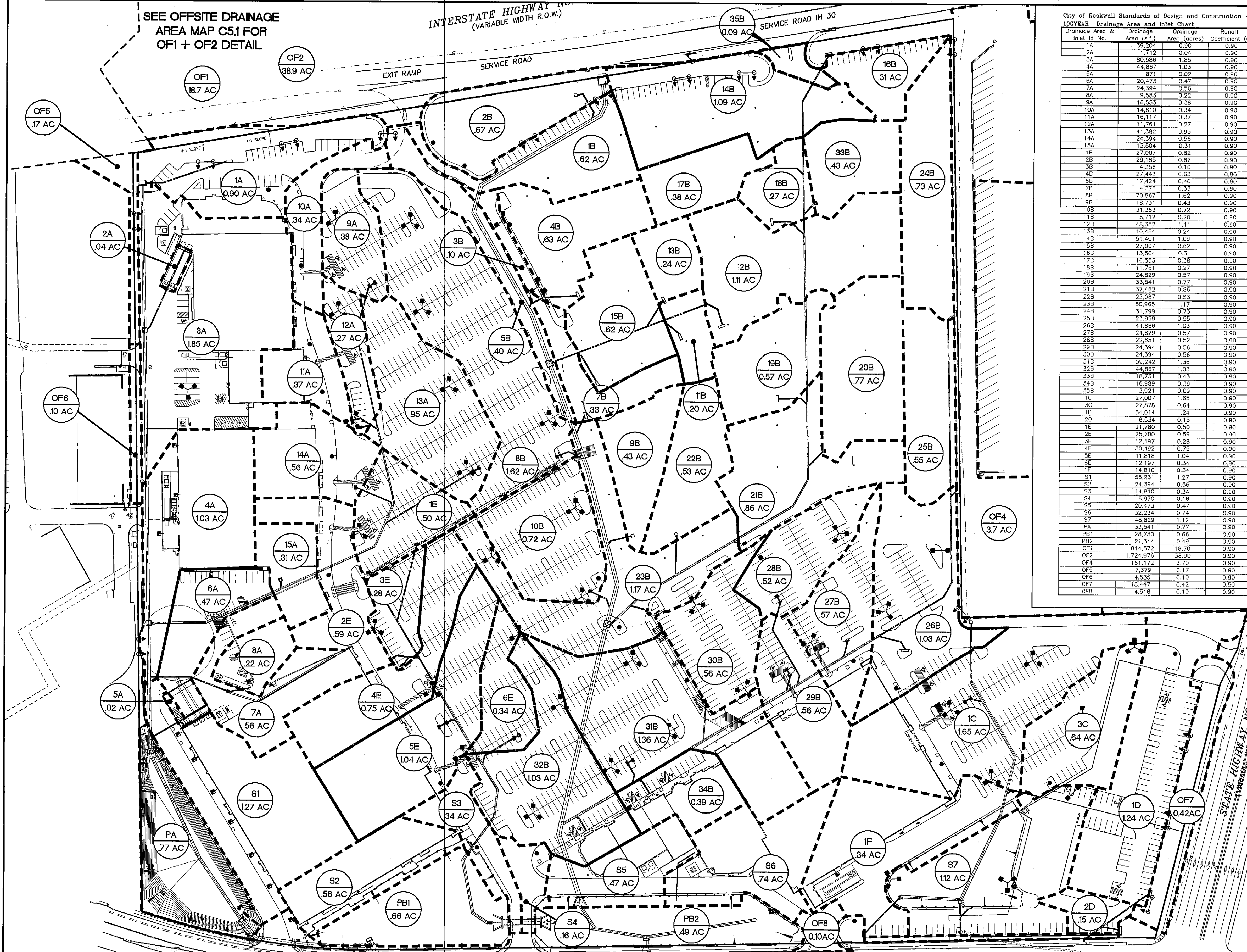
SERVICE ROAD IH 30

City of Rockwall Standards of Design and Construction - Rational Method  
100YEAR Drainage Area and Inlet Chart

Drainage Area & Inlet id No.	Drainage Area (sq. ft.)	Drainage Area (acres)	Runoff Coefficient (C)	Time of Conc. (min)	Intensity (in./hr)	Peak Flow (cfs)	Inlet Capacity (cfs)	Inlet Type	Inlet - Inflow Elev. (ft)	100 yr HCL (ft)
1A	39,224	0.90	0.90	10.00	9.80	7.9	8.8	10" Curb Inlet	554.5	553.5
2A	11,742	0.27	0.90	10.00	9.80	2.4	11.8	25" - 12" Trench Drain	550.0	549.3
3A	80,586	1.85	0.90	10.00	9.80	16.3	17.6	1 - 10" Curb Inlet	547.8	544.1
4A	44,867	1.03	0.90	10.00	9.80	9.1	10.9	1 - 10" Curb Inlet	538.5	538.5
5A	571	0.02	0.90	10.00	9.80	0.2	6.8	14" - 12" Trench Drain	535.3	535.2
6A	20,421	0.47	0.90	10.00	9.80	4.1	17.6	36" - 12" Trench Drain	535.3	535.7
7A	24,394	0.56	0.90	10.00	9.80	4.9	8.4	2'x2' Drop Inlet	538.5	538.5
8A	5,583	0.13	0.90	10.00	9.80	1.9	5.8	12" - 12" Trench Drain	540.0	535.8
9A	16,553	0.38	0.90	10.00	9.80	3.4	14.0	2 - Type "F" Inlets	552.5	549.0
10A	14,810	0.34	0.90	10.00	9.80	3.0	7.0	1 - Type "F" Inlet	552.5	550.4
11A	16,117	0.37	0.90	10.00	9.80	3.3	7.0	1 - Type "F" Inlet	547.0	544.7
12A	11,761	0.27	0.90	10.00	9.80	2.4	7.0	1 - Type "F" Inlet	547.5	544.4
13A	41,382	0.95	0.90	10.00	9.80	8.4	14.0	2 - Type "F" Inlets	545.5	544.2
14A	24,394	0.56	0.90	10.00	9.80	4.9	8.4	1 - Type "F" Inlet	545.5	543.4
15A	13,504	0.31	0.90	10.00	9.80	2.7	8.4	2'x2' Drop Inlet	543.5	542.2
16A	27,007	0.62	0.90	10.00	9.80	5.5	8.8	10" Curb Inlet	549.0	548.8
17A	29,185	0.67	0.90	10.00	9.80	5.9	8.4	2'x2' Drop Inlet	550.5	549.0
18A	4,356	0.10	0.90	10.00	9.80	0.9	8.8	10" Curb Inlet	548.3	543.7
19A	27,443	0.63	0.90	10.00	9.80	5.6	8.8	10" Curb Inlet	547.5	544.0
20A	17,424	0.40	0.90	10.00	9.80	3.5	8.8	10" Curb Inlet	542.4	540.9
21A	14,375	0.33	0.90	10.00	9.80	2.9	8.8	10" Curb Inlet	542.4	540.3
22A	43,852	1.02	0.90	10.00	9.80	14.3	17.6	2 - 10" Curb Inlet	541.9	541.1
23A	18,731	0.43	0.90	10.00	9.80	3.8	8.4	2'x2' Drop Inlet	538.5	537.4
24A	31,363	0.72	0.90	10.00	9.80	6.4	7.0	1 - Type "F" Inlet	537.8	536.5
25A	11,761	0.27	0.90	10.00	9.80	1.8	8.8	10" Curb Inlet	548.3	545.0
26A	33,541	0.77	0.90	10.00	9.80	6.8	8.8	10" Curb Inlet	549.4	549.3
27A	10,454	0.24	0.90	10.00	9.80	2.1	8.8	10" Curb Inlet	548.8	547.1
28A	51,401	1.09	0.90	10.00	9.80	9.6	10.9	1 - 10" Curb Inlet	549.0	549.2
29A	27,007	0.62	0.90	10.00	9.80	5.5	8.8	10" Curb Inlet	545.5	542.3
30A	16,553	0.38	0.90	10.00	9.80	2.7	8.8	10" Curb Inlet	555.5	550.1
31A	18,731	0.43	0.90	10.00	9.80	3.4	8.8	1 - 10" Curb Inlet	551.8	549.0
32A	11,761	0.27	0.90	10.00	9.80	2.4	8.8	10" Curb Inlet	551.0	547.6
33A	24,829	0.57	0.90	10.00	9.80	5.0	8.8	10" Curb Inlet	547.5	544.9
34A	20,421	0.47	0.90	10.00	9.80	6.8	8.8	10" Curb Inlet	547.5	547.5
35A	37,462	0.86	0.90	10.00	9.80	7.6	8.8	10" Curb Inlet	542.2	537.4
36A	23,087	0.53	0.90	10.00	9.80	4.7	8.4	2'x2' Drop Inlet	538.5	534.8
37A	50,965	1.17	0.90	10.00	9.80	10.3	8.8	10" Curb Inlet	537.0	533.5
38A	24,829	0.57	0.90	10.00	9.80	6.4	8.8	10" Curb Inlet	555.5	547.1
39A	23,958	0.55	0.90	10.00	9.80	5.0	8.8	10" Curb Inlet	547.5	543.2
40A	44,867	1.03	0.90	10.00	9.80	8.9	8.8	10" Curb Inlet	539.0	535.7
41A	24,829	0.57	0.90	10.00	9.80	5.0	7.0	1 - Type "F" Inlet	539.0	535.9
42A	22,851	0.52	0.90	10.00	9.80	4.6	14.0	2 - Type Inlets	547.4	536.3
43A	24,394	0.56	0.90	10.00	9.80	4.9	14.0	2 - Type "F" Inlets	538.5	534.0
44A	24,394	0.56	0.90	10.00	9.80	4.9	7.0	1 - Type "F" Inlet	537.5	532.9
45A	59,742	1.36	0.90	10.00	9.80	12.0	14.0	2 - Type "F" Inlets	535.0	533.2
46A	44,867	1.03	0.90	10.00	9.80	9.1	8.8	10" Curb Inlet	534.7	531.7
47A	18,731	0.43	0.90	10.00	9.80	3.8	7.0	1 - Type "F" Inlet	533.5	548.5
48A	16,589	0.39	0.90	10.00	9.80	3.4	8.8	10" Curb Inlet	534.2	XXX.XX
49A	3,921	0.09	0.90	10.00	9.80	0.8	N/A	N/A	N/A	N/A
50A	27,007	0.62	0.90	10.00	9.80	14.8	14.0	2 - Type "F" Inlets	538.5	536.0
51A	43,852	1.02	0.90	10.00	9.80	5.6	8.8	2 - 10" Curb Inlet	539.0	535.3
52A	54,014	1.24	0.90	10.00	9.80	10.9	10.9	1 - 10" Curb Inlet	535.5	531.3
53A	6,534	0.15	0.90	10.00	9.80	1.3	8.8	10" Curb Inlet	534.3	530.2
54A	21,780	0.50	0.90	10.00	9.80	4.4	14.0	2 - Type "F" Inlets	543.5	539.5
55A	13,504	0.31	0.90	10.00	9.80	2.7	7.0	1 - Type "F" Inlet	538.4	538.7
56A	12,197	0.28	0.90	10.00	9.80	2.5	7.0	1 - Type "F" Inlet	538.9	538.8
57A	30,492	0.70	0.90	10.00	9.80	6.6	7.0	Type "F" Inlet	538.5	537.8
58A	41,818	1.04	0.90	10.00	9.80	9.2	14.0	2 - Type "F" Inlet	537.5	537.3
59A	13,578	0.34	0.90	10.00	9.80	3.0	14.0	2 - Type "F" Inlet	537.5	535.4
60A	14,810	0.34	0.90	10.00	9.80	3.0	8.8	10" Curb Inlet	533.5	530.2
61A	55,231	1.27	0.90	10.00	9.80	11.2	N/A	Sheet Flow to Pond	N/A	N/A
62A	24,394	0.56	0.90	10.00	9.80	4.9	N/A	Sheet Flow to Pond	N/A	N/A
63A	14,810	0.34	0.90	10.00	9.80	3.0	N/A	Sheet Flow to Pond	N/A	N/A
64A	6,970	0.16	0.90	10.00	9.80	1.4	N/A	Sheet Flow to Pond	N/A	N/A
65A	20,421	0.47	0.90	10.00	9.80	4.1	N/A	Sheet Flow to Pond	N/A	N/A
66A	32,234	0.74	0.90	10.00	9.80	6.5	N/A	Sheet Flow to Pond	N/A	N/A
67A	48,252	1.11	0.90	10.00	9.80	9.9	N/A	Sheet Flow to Pond	N/A	N/A
68A	33,541	0.77	0.90	10.00	9.80	6.8	N/A	Pond A	N/A	N/A
69A	28,750	0.66	0.90	10.00	9.80	5.8	N/A	Pond B1	N/A	N/A
70A	21,344	0.49	0.90	10.00	9.80	4.3	N/A	Pond B2	N/A	N/A
71A	814,520	18.70	0.90	10.00	9.80	164.9	N/A	Offsite Flow Through Site	N/A	N/A
72A	1,724,976	38.90	0.90	10.00	9.80	343.1	N/A	Offsite Flow Through Site	N/A	N/A
73A	161,172	3.70	0.90	10.00	9.80	32.6	38.5	4'x4' Drop Inlet	543.0	536.04
74A	7,379	0.17	0.90	10.00	9.80	1.50	17.6	2 - 10" CURB INLET	547.8	544.10
75A	43,852	1.02	0.90	10.00	9.80	0.88	17.6	2 - 10" CURB INLET	547.8	544.9
76A	18,447	0.42	0.50	10.00	9.80	2.0	N/A	OFFSITE SHEET FLOW	N/A	N/A
77A	4,516	0.10	0.90	10.00	9.80	0.88	N/A	OFFSITE SHEET FLOW	N/A	N/A

\*\*NOTE: PLEASE SEE DETENTION POND PLANS FOR POND DRAINAGE CALCULATIONS, VOLUMES AND OUTFALL RATES.

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REV	DATE	BY	DESCRIPTION

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DESIGNED: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
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DATE NAME

ENGINEERS ARCHITECTS

**THE WALLACE GROUP INC.**

SURVEYORS PLANNERS

THE WOODMONT COMPANY

PLAZA AT ROCKWALL

**PROPOSED DRAINAGE MAP**

SHEET 33

**C5.2**

OF 56 SHEETS