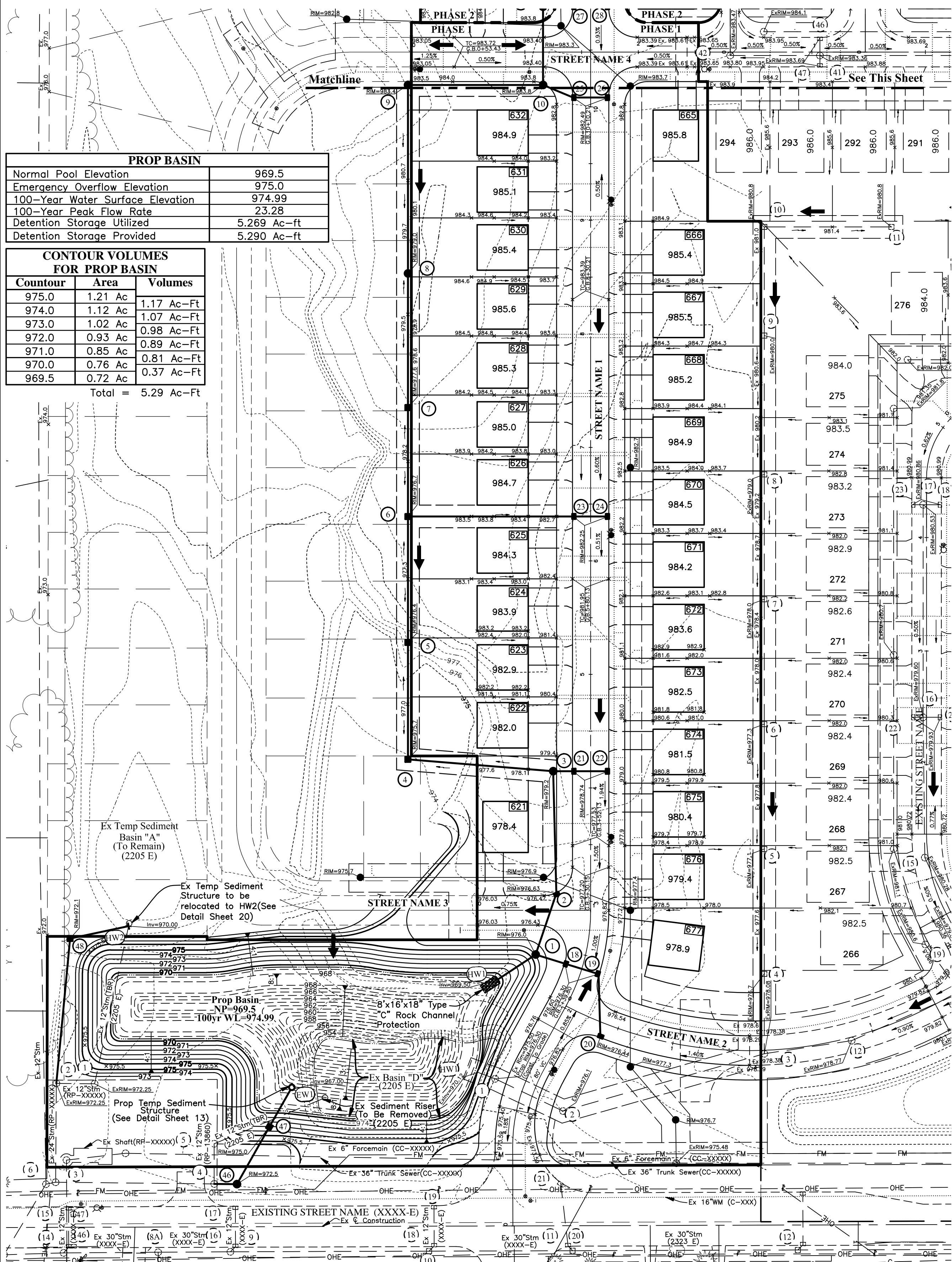
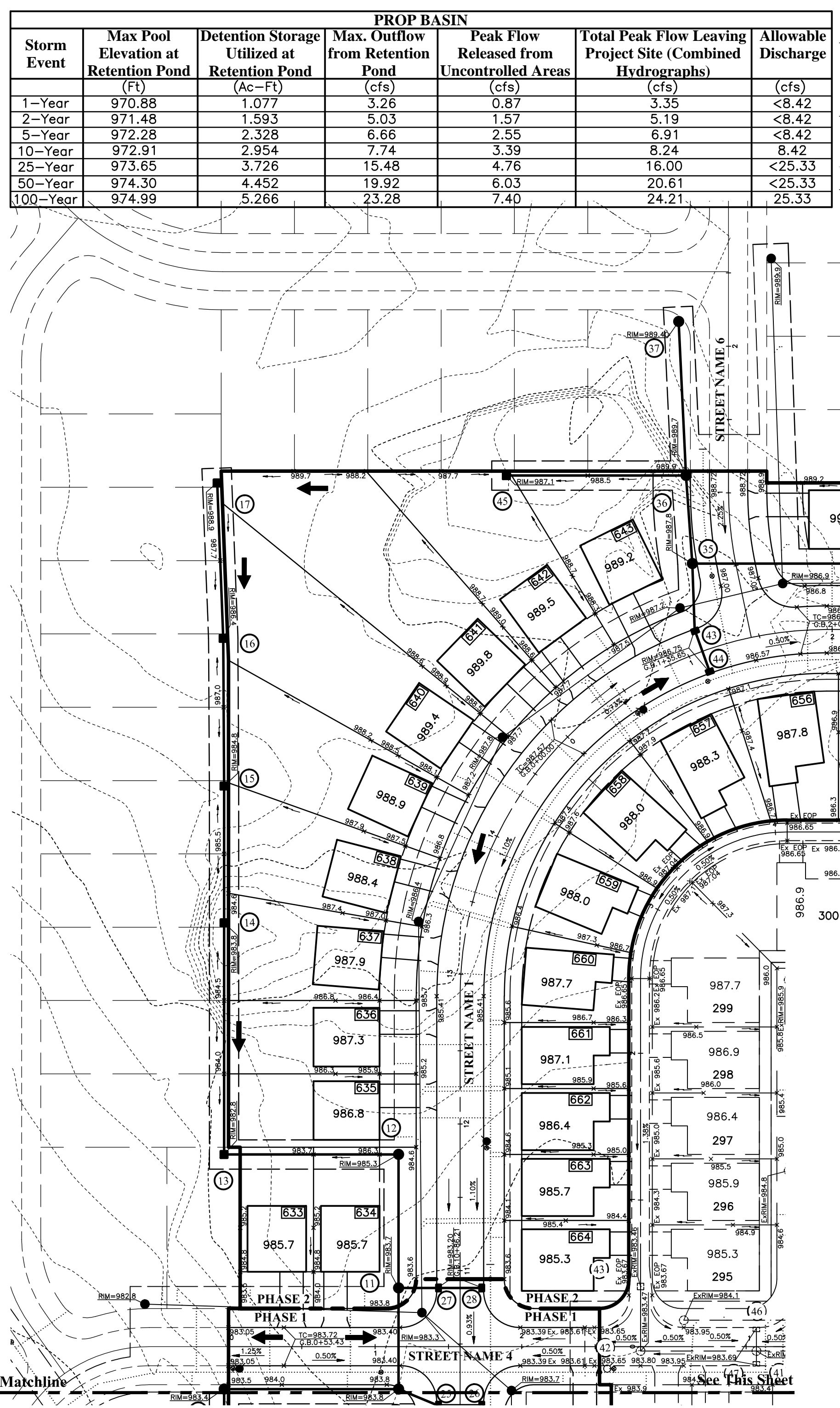


Revised 12/2/11

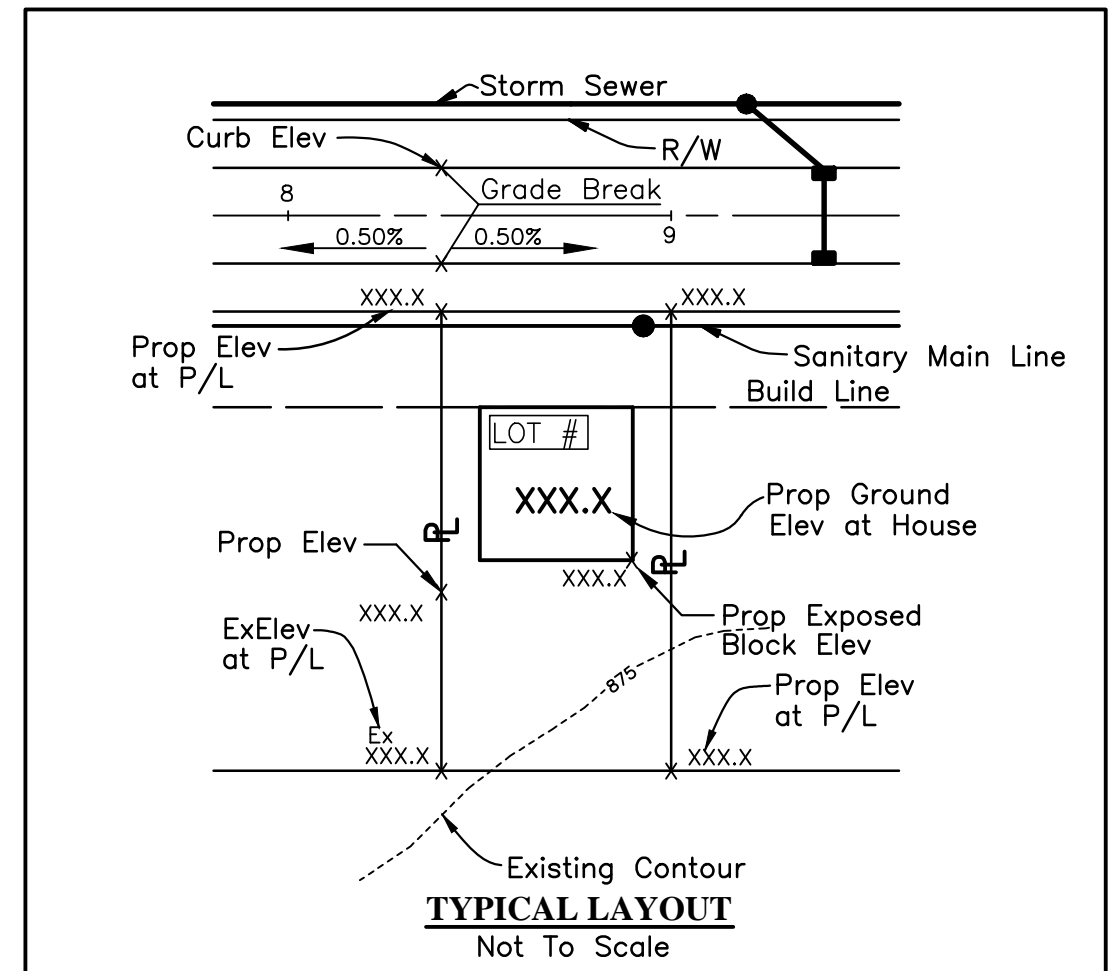


PROP BASIN	
Normal Pool Elevation	969.5
Emergency Overflow Elevation	975.0
100-Year Water Surface Elevation	974.99
100-Year Peak Flow Rate	23.28
Detention Storage Utilized	5.269 Ac-ft
Detention Storage Provided	5.290 Ac-ft

CONTOUR VOLUMES FOR PROP BASIN		
Contour	Area	Volumes
975.0	1.21 Ac	1.17 Ac-Ft
974.0	1.12 Ac	1.07 Ac-Ft
973.0	1.02 Ac	0.98 Ac-Ft
972.0	0.93 Ac	0.89 Ac-Ft
971.0	0.85 Ac	0.81 Ac-Ft
970.0	0.76 Ac	0.72 Ac-Ft
969.5	0.72 Ac	0.67 Ac-Ft
Total = 5.29 Ac-Ft		



Storm Event	PROP BASIN					
	Max Pool Elevation at Retention Pond (Ft)	Detention Storage Utilized at Retention Pond (Ac-Ft)	Max. Outflow from Retention Pond (cfs)	Peak Flow Released from Uncontrolled Areas (cfs)	Total Peak Flow Leaving Project Site (Combined Hydrographs) (cfs)	Allowable Discharge (cfs)
1-Year	970.88	1.077	3.26	0.87	3.35	<8.42
2-Year	971.48	1.593	5.03	1.57	5.19	<8.42
5-Year	972.28	2.328	6.66	2.55	6.91	<8.42
10-Year	972.91	2.954	7.74	3.39	8.24	8.42
25-Year	973.65	3.726	15.48	4.76	16.00	<25.33
50-Year	974.30	4.452	19.92	6.03	20.61	<25.33
100-Year	974.99	5.266	23.28	7.40	24.21	25.33



LEGEND	
	Proposed Storm Sewer
	Existing Storm Sewer
	Proposed Sanitary Sewer
	Existing Sanitary Sewer
	Existing/Proposed Water Main
	Proposed 1' Int. Contour
	Proposed 5' Int. Contour
	Existing 1' Int. Contour
	Existing 5' Int. Contour
	Proposed Headwall/Endwall
	Proposed Catch Basin
	Proposed Curb & Gutter Inlet
	Proposed Top of Casting
	Proposed Top of Curb/Proposed Grade
	Proposed Pavement Shot
	Existing Top of Casting
	Existing Top of Curb
	Existing Pavement Shot
	Flood Routing Arrow
	Emergency Flood Routing Arrow
	Lot Number

CALCULATED

CHECKED

MASTER GRADING PLAN

PROJECT NAME

XXXX-E

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