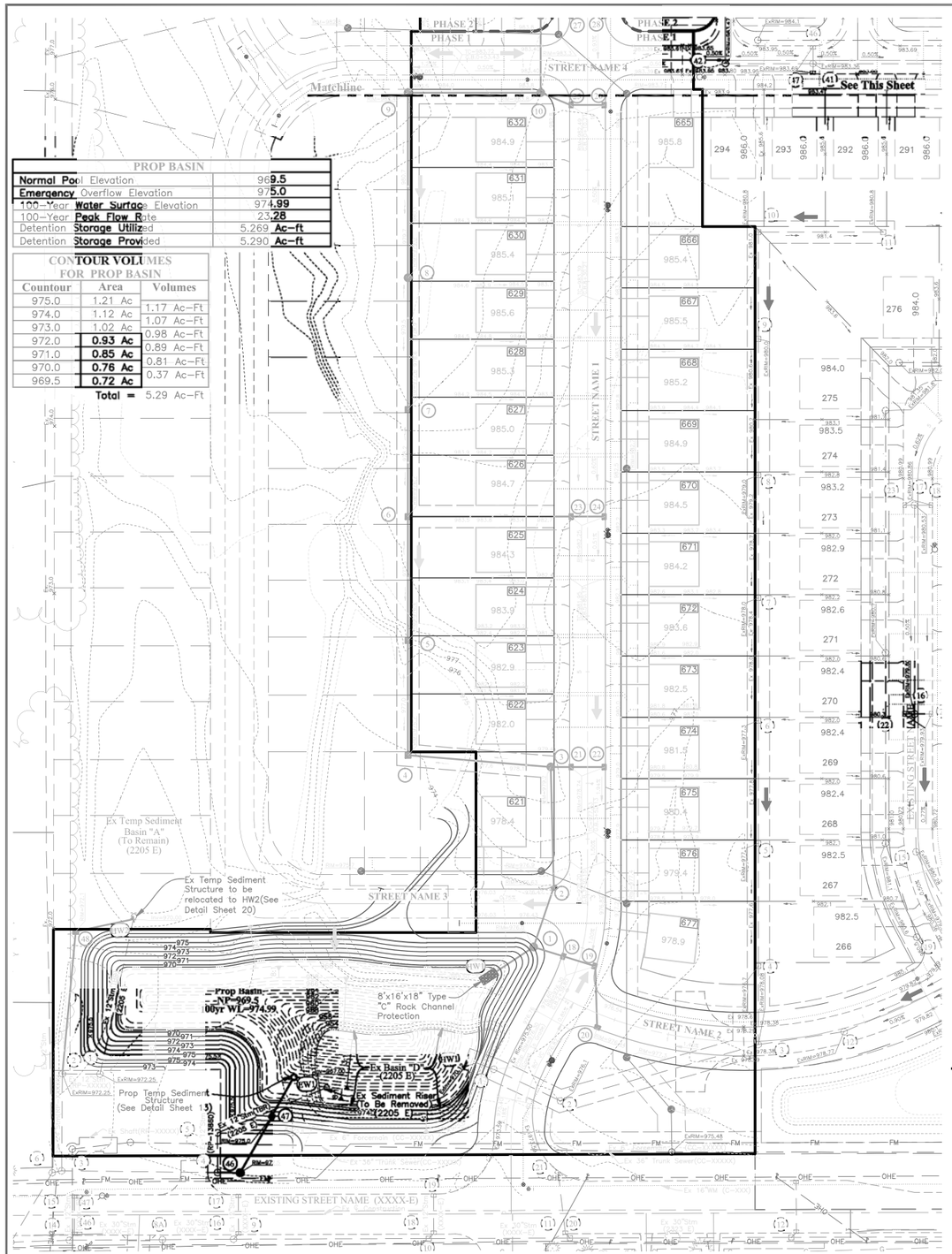
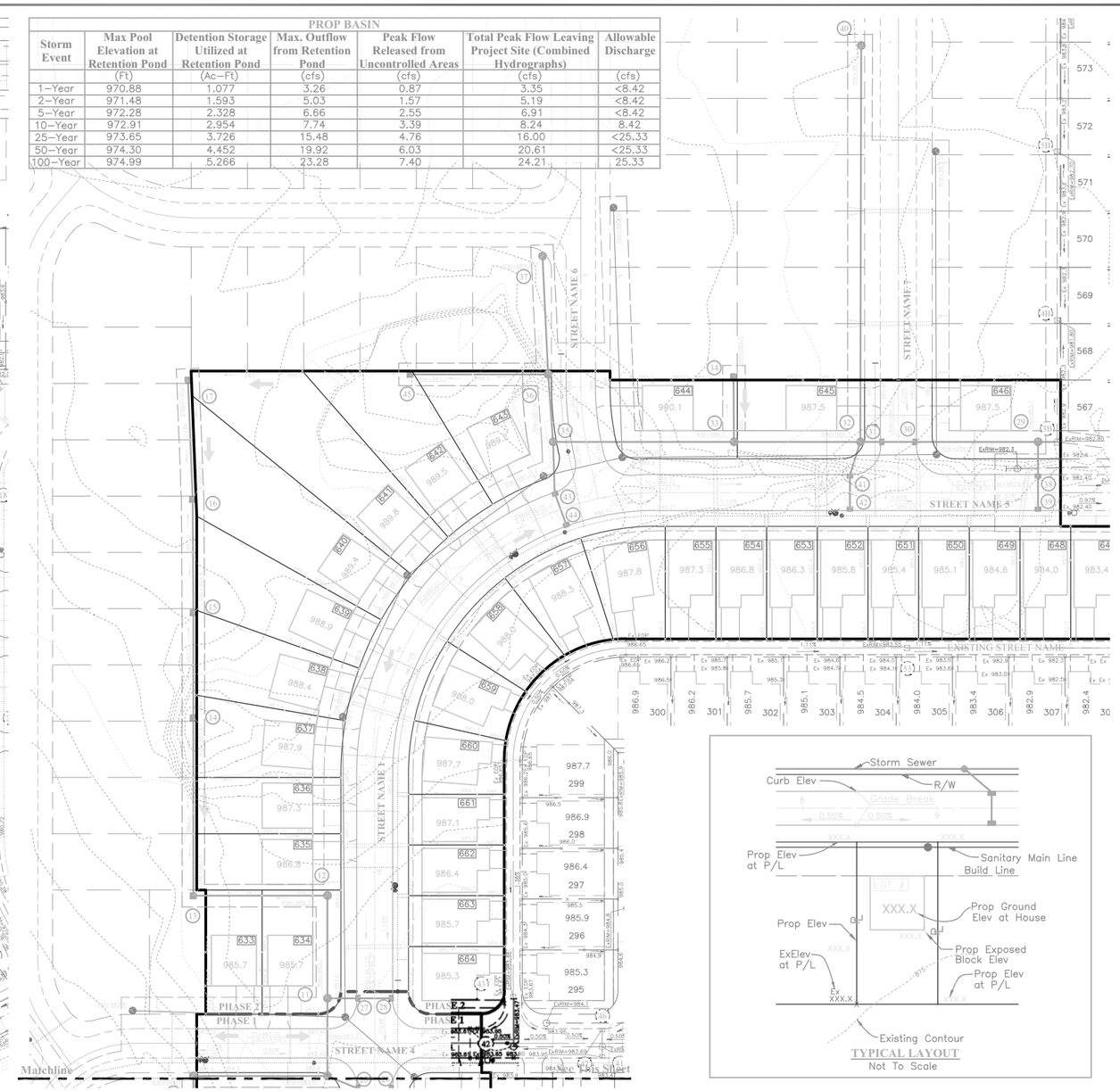
PROP BASIN		
Normal Pool Elevation	969.5	
Emergency Overflow Elevation	975.0	
100-Year Water Surface Elevation	974.99	
100-Year Peak Flow Rate	23.28	
Detention Storage Utilized	5.269	Ac-ft
Detention Storage Provided	5.290	Ac-ft

CONTOUR VOLUMES FOR PROP BASIN		
Countour	Area	Volumes
975.0	1.21 Ac	
974.0	1.12 Ac	1.17 Ac-Ft
973.0	1.02 Ac	1.07 Ac-Ft
972.0	0.93 Ac	0.98 Ac-Ft
971.0	0.85 Ac	0.89 Ac-Ft
970.0	0.76 Ac	0.81 Ac-Ft
969.5	0.72 Ac	0.37 Ac-Ft
	Total =	5.29 Ac-Ft



PROP BASIN						
Storm Event	Max Pool Elevation at Retention Pond	Detention Storage Utilized at Retention Pond	Max. Outflow from Retention Pond	Peak Flow Released from Uncontrolled Areas	Total Peak Flow Leaving Project Site (Combined Hydrographs)	Allowable Discharge
	(Ft)	(Ac-Ft)	(cfs)	(cfs)	(cfs)	(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



TYPICAL LAYOUT
Not To Scale

LEGEND

- Prop Manhole
- Ex Manhole
- Proposed Storm Sewer
- Existing Storm Sewer
- Prop Manhole
- Ex Manhole
- Proposed Sanitary Sewer
- Existing Sanitary Sewer
- Existing/Proposed Water Main
- 921 Proposed 1' Int. Contour
- 920 Proposed 5' Int. Contour
- 921 Existing 1' Int. Contour
- 920 Existing 5' Int. Contour
- Proposed Headwall/Endwall
- Proposed Catch Basin
- Proposed Curb & Gutter Inlet
- Rim=XXX.XX Proposed Top of Casting
- XXX.XX Proposed Top of Curb/ Proposed Grade
- PVMT XXX.XX Proposed Pavement Shot
- ExRim=XXX.XX Existing Top of Casting
- Ex XXX.XX Existing Top of Curb
- Ex PVMT XXX.XX Existing Pavement Shot
- Flood Routing Arrow
- Emergency Flood Routing Arrow
- XXX Lot Number

HORIZ. SCALE
50 0 50 25

CALCULATED
CHECKED

MASTER GRADING PLAN

PROJECT NAME

XXXX-E

X/XX

Revised 12/2/11