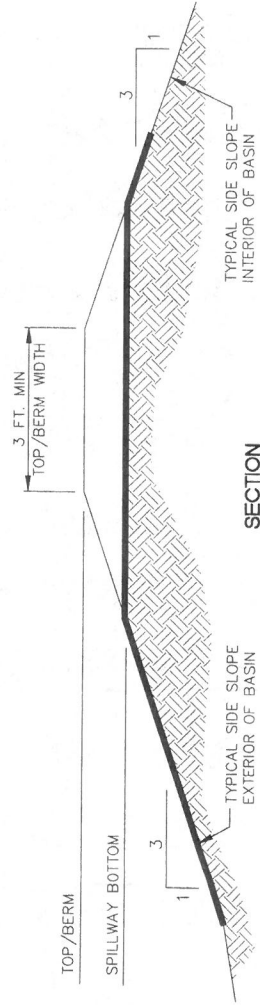
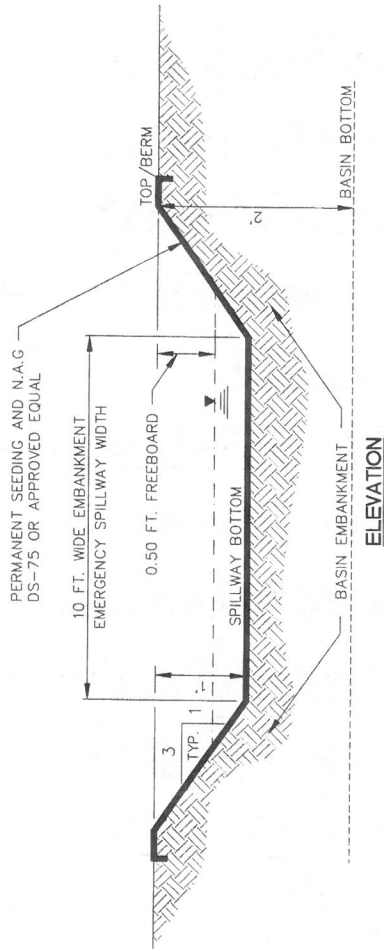


Basin Sizing Table

<u>Roof Area (S.F.)</u>	<u>Required Storage Volume (C.F.)</u>	<u>Depth (ft)</u>	<u>Required Storage Area (S.F.)</u>	<u>Basin (0-5%)</u>			<u>Basin (5-15%)</u>		
				<u>Length (ft)</u>	<u>Width (ft)</u>	<u>Area (S.F.)</u>	<u>Length (ft)</u>	<u>Width (ft)</u>	<u>Area (S.F.)</u>
1000	166.67	1	166.67	20	10	200	28	7	196
1100	183.33	1	183.33	20	10	200	28	7	196
1200	200.00	1	200.00	20	10	200	32	8	256
1300	216.67	1	216.67	22	11	242	32	8	256
1400	233.33	1	233.33	22	11	242	32	8	256
1500	250.00	1	250.00	24	12	288	32	8	256
1600	266.67	1	266.67	24	12	288	36	9	324
1700	283.33	1	283.33	24	12	288	36	9	324
1800	300.00	1	300.00	26	13	338	36	9	324
1900	316.67	1	316.67	26	13	338	36	9	324
2000	333.33	1	333.33	26	13	338	40	10	400
2100	350.00	1	350.00	28	14	392	40	10	400
2200	366.67	1	366.67	28	14	392	40	10	400
2300	383.33	1	383.33	28	14	392	40	10	400
2400	400.00	1	400.00	30	15	450	40	10	400
2500	416.67	1	416.67	30	15	450	44	11	484
2600	433.33	1	433.33	30	15	450	44	11	484
2700	450.00	1	450.00	30	15	450	44	11	484
2800	466.67	1	466.67	32	16	512	44	11	484
2900	483.33	1	483.33	32	16	512	44	11	484
3000	500.00	1	500.00	32	16	512	48	12	576
3100	516.67	1	516.67	34	17	578	48	12	576
3200	533.33	1	533.33	34	17	578	48	12	576
3300	550.00	1	550.00	34	17	578	48	12	576
3400	566.67	1	566.67	34	17	578	48	12	576
3500	583.33	1	583.33	36	18	648	52	13	676
3600	600.00	1	600.00	36	18	648	52	13	676
3700	616.67	1	616.67	36	18	648	52	13	676
3800	633.33	1	633.33	36	18	648	52	13	676
3900	650.00	1	650.00	38	19	722	52	13	676
4000	666.67	1	666.67	38	19	722	52	13	676
4100	683.33	1	683.33	38	19	722	56	14	784
4200	700.00	1	700.00	38	19	722	56	14	784
4300	716.67	1	716.67	38	19	722	56	14	784
4400	733.33	1	733.33	40	20	800	56	14	784
4500	750.00	1	750.00	40	20	800	56	14	784
4600	766.67	1	766.67	40	20	800	56	14	784
4700	783.33	1	783.33	40	20	800	56	14	784
4800	800.00	1	800.00	40	20	800	60	15	900
4900	816.67	1	816.67	42	21	882	60	15	900
5000	833.33	1	833.33	42	21	882	60	15	900



NOTES:

1. GEOTEXTILE FABRIC TO BE INSTALLED/ANCHORED ON SPILLWAY BOTTOM, SIDE SLOPES AND OUTSIDE EMBANKMENT SLOPE PER MANUFACTURER'S RECOMMENDATIONS.
2. CHART AND DETAIL SHALL BE GUIDELINES ONLY AND IT IS THE LANDOWNERS RESPONSIBILITY TO MEET ALL STATE AND TOWNSHIP STORMWATER MANAGEMENT REGULATIONS.
3. RUNOFF FROM ALL OFFSITE UPSLOPE AREA SHALL BE DIVERTED AWAY FROM THE BASIN.
4. PROPOSED GRADING SHALL DIRECT RUNOFF FROM NEW IMPERVIOUS SURFACE AREA TO BASIN.

EMERGENCY SPILLWAY AND EMBANKMENT CROSS-SECTION DETAIL

NO SCALE