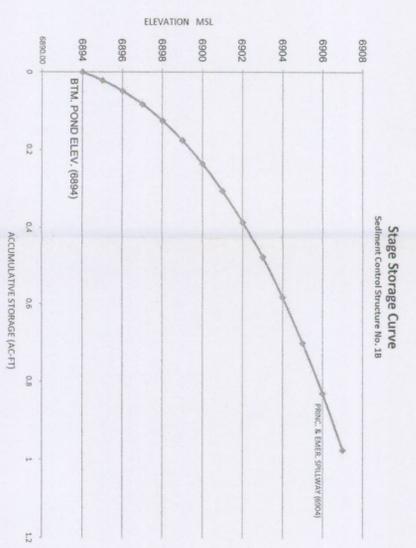


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C9.1
POND #1B - PLAN
SCALE: 1" = 10'

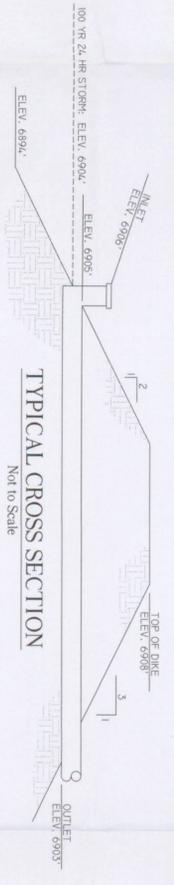
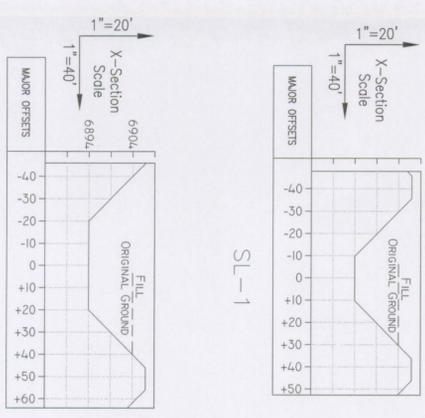
REQUIRED STORAGE
100 YR 24 HR EVENT = 0.5 ACRE-FT



STORAGE VOLUME COMPUTATIONS									
Sediment Control Structure No. 1B									
ELEV. (ft)	WIDTH (ft)	LENGTH (ft)	AREA (sq ft)	AVG. AREA (sq ft)	INTERVAL (ft)	STORAGE (cu ft)	ACC. STORAGE (cu ft)	STAGE INTERVAL (ft)	
6984.00	NA	NA	0.0134	1.00	0.0134	0.0134	1.00		
6985.00	NA	NA	0.0142	1.00	0.0142	0.0142	1.00		
6986.00	NA	NA	0.0150	1.00	0.0150	0.0150	1.00		
6987.00	NA	NA	0.0158	1.00	0.0158	0.0158	1.00		
6988.00	NA	NA	0.0166	1.00	0.0166	0.0166	1.00		
6989.00	NA	NA	0.0174	1.00	0.0174	0.0174	1.00		
6990.00	NA	NA	0.0182	1.00	0.0182	0.0182	1.00		
6991.00	NA	NA	0.0190	1.00	0.0190	0.0190	1.00		
6992.00	NA	NA	0.0198	1.00	0.0198	0.0198	1.00		
6993.00	NA	NA	0.0206	1.00	0.0206	0.0206	1.00		
6994.00	NA	NA	0.0214	1.00	0.0214	0.0214	1.00		
6995.00	NA	NA	0.0222	1.00	0.0222	0.0222	1.00		
6996.00	NA	NA	0.0230	1.00	0.0230	0.0230	1.00		
6997.00	NA	NA	0.0238	1.00	0.0238	0.0238	1.00		
6998.00	NA	NA	0.0246	1.00	0.0246	0.0246	1.00		
6999.00	NA	NA	0.0254	1.00	0.0254	0.0254	1.00		
7000.00	NA	NA	0.0262	1.00	0.0262	0.0262	1.00		
7001.00	NA	NA	0.0270	1.00	0.0270	0.0270	1.00		
7002.00	NA	NA	0.0278	1.00	0.0278	0.0278	1.00		
7003.00	NA	NA	0.0286	1.00	0.0286	0.0286	1.00		
7004.00	NA	NA	0.0294	1.00	0.0294	0.0294	1.00		
7005.00	NA	NA	0.0302	1.00	0.0302	0.0302	1.00		
7006.00	NA	NA	0.0310	1.00	0.0310	0.0310	1.00		
7007.00	NA	NA	0.0318	1.00	0.0318	0.0318	1.00		
7008.00	NA	NA	0.0326	1.00	0.0326	0.0326	1.00		
7009.00	NA	NA	0.0334	1.00	0.0334	0.0334	1.00		
7010.00	NA	NA	0.0342	1.00	0.0342	0.0342	1.00		
7011.00	NA	NA	0.0350	1.00	0.0350	0.0350	1.00		
7012.00	NA	NA	0.0358	1.00	0.0358	0.0358	1.00		
7013.00	NA	NA	0.0366	1.00	0.0366	0.0366	1.00		
7014.00	NA	NA	0.0374	1.00	0.0374	0.0374	1.00		
7015.00	NA	NA	0.0382	1.00	0.0382	0.0382	1.00		
7016.00	NA	NA	0.0390	1.00	0.0390	0.0390	1.00		
7017.00	NA	NA	0.0398	1.00	0.0398	0.0398	1.00		
7018.00	NA	NA	0.0406	1.00	0.0406	0.0406	1.00		
7019.00	NA	NA	0.0414	1.00	0.0414	0.0414	1.00		
7020.00	NA	NA	0.0422	1.00	0.0422	0.0422	1.00		
7021.00	NA	NA	0.0430	1.00	0.0430	0.0430	1.00		
7022.00	NA	NA	0.0438	1.00	0.0438	0.0438	1.00		
7023.00	NA	NA	0.0446	1.00	0.0446	0.0446	1.00		
7024.00	NA	NA	0.0454	1.00	0.0454	0.0454	1.00		
7025.00	NA	NA	0.0462	1.00	0.0462	0.0462	1.00		
7026.00	NA	NA	0.0470	1.00	0.0470	0.0470	1.00		
7027.00	NA	NA	0.0478	1.00	0.0478	0.0478	1.00		
7028.00	NA	NA	0.0486	1.00	0.0486	0.0486	1.00		
7029.00	NA	NA	0.0494	1.00	0.0494	0.0494	1.00		
7030.00	NA	NA	0.0502	1.00	0.0502	0.0502	1.00		
7031.00	NA	NA	0.0510	1.00	0.0510	0.0510	1.00		
7032.00	NA	NA	0.0518	1.00	0.0518	0.0518	1.00		
7033.00	NA	NA	0.0526	1.00	0.0526	0.0526	1.00		
7034.00	NA	NA	0.0534	1.00	0.0534	0.0534	1.00		
7035.00	NA	NA	0.0542	1.00	0.0542	0.0542	1.00		
7036.00	NA	NA	0.0550	1.00	0.0550	0.0550	1.00		
7037.00	NA	NA	0.0558	1.00	0.0558	0.0558	1.00		
7038.00	NA	NA	0.0566	1.00	0.0566	0.0566	1.00		
7039.00	NA	NA	0.0574	1.00	0.0574	0.0574	1.00		
7040.00	NA	NA	0.0582	1.00	0.0582	0.0582	1.00		
7041.00	NA	NA	0.0590	1.00	0.0590	0.0590	1.00		
7042.00	NA	NA	0.0598	1.00	0.0598	0.0598	1.00		
7043.00	NA	NA	0.0606	1.00	0.0606	0.0606	1.00		
7044.00	NA	NA	0.0614	1.00	0.0614	0.0614	1.00		
7045.00	NA	NA	0.0622	1.00	0.0622	0.0622	1.00		
7046.00	NA	NA	0.0630	1.00	0.0630	0.0630	1.00		
7047.00	NA	NA	0.0638	1.00	0.0638	0.0638	1.00		
7048.00	NA	NA	0.0646	1.00	0.0646	0.0646	1.00		
7049.00	NA	NA	0.0654	1.00	0.0654	0.0654	1.00		
7050.00	NA	NA	0.0662	1.00	0.0662	0.0662	1.00		
7051.00	NA	NA	0.0670	1.00	0.0670	0.0670	1.00		
7052.00	NA	NA	0.0678	1.00	0.0678	0.0678	1.00		
7053.00	NA	NA	0.0686	1.00	0.0686	0.0686	1.00		
7054.00	NA	NA	0.0694	1.00	0.0694	0.0694	1.00		
7055.00	NA	NA	0.0702	1.00	0.0702	0.0702	1.00		
7056.00	NA	NA	0.0710	1.00	0.0710	0.0710	1.00		
7057.00	NA	NA	0.0718	1.00	0.0718	0.0718	1.00		
7058.00	NA	NA	0.0726	1.00	0.0726	0.0726	1.00		
7059.00	NA	NA	0.0734	1.00	0.0734	0.0734	1.00		
7060.00	NA	NA	0.0742	1.00	0.0742	0.0742	1.00		
7061.00	NA	NA	0.0750	1.00	0.0750	0.0750	1.00		
7062.00	NA	NA	0.0758	1.00	0.0758	0.0758	1.00		
7063.00	NA	NA	0.0766	1.00	0.0766	0.0766	1.00		
7064.00	NA	NA	0.0774	1.00	0.0774	0.0774	1.00		
7065.00	NA	NA	0.0782	1.00	0.0782	0.0782	1.00		
7066.00	NA	NA	0.0790	1.00	0.0790	0.0790	1.00		
7067.00	NA	NA	0.0798	1.00	0.0798	0.0798	1.00		
7068.00	NA	NA	0.0806	1.00	0.0806	0.0806	1.00		
7069.00	NA	NA	0.0814	1.00	0.0814	0.0814	1.00		
7070.00	NA	NA	0.0822	1.00	0.0822	0.0822	1.00		
7071.00	NA	NA	0.0830	1.00	0.0830	0.0830	1.00		
7072.00	NA	NA	0.0838	1.00	0.0838	0.0838	1.00		
7073.00	NA	NA	0.0846	1.00	0.0846	0.0846	1.00		
7074.00	NA	NA	0.0854	1.00	0.0854	0.0854	1.00		
7075.00	NA	NA	0.0862	1.00	0.0862	0.0862	1.00		
7076.00	NA	NA	0.0870	1.00	0.0870	0.0870	1.00		
7077.00	NA	NA	0.0878	1.00	0.0878	0.0878	1.00		
7078.00	NA	NA	0.0886	1.00	0.0886	0.0886	1.00		
7079.00	NA	NA	0.0894	1.00	0.0894	0.0894	1.00		
7080.00	NA	NA	0.0902	1.00	0.0902	0.0902	1.00		
7081.00	NA	NA	0.0910	1.00	0.0910	0.0910	1.00		
7082.00	NA	NA	0.0918	1.00	0.0918	0.0918	1.00		
7083.00	NA	NA	0.0926	1.00	0.0926	0.0926	1.00		
7084.00	NA	NA	0.0934	1.00	0.0934	0.0934	1.00		
7085.00	NA	NA	0.0942	1.00	0.0942	0.0942	1.00		
7086.00	NA	NA	0.0950	1.00	0.0950	0.0950	1.00		
7087.00	NA	NA	0.0958	1.00	0.0958	0.0958	1.00		
7088.00	NA	NA	0.0966	1.00	0.0966	0.0966	1.00		
7089.00	NA	NA	0.0974	1.00	0.0974	0.0974	1.00		
7090.00	NA	NA	0.0982	1.00	0.0982	0.0982	1.00		
7091.00	NA	NA	0.0990	1.00	0.0990	0.0990	1.00		
7092.00	NA	NA	0.0998	1.00	0.0998	0.0998	1.00		
7093.00	NA	NA	0.1006	1.00	0.1006	0.1006	1.00		
7094.00	NA	NA	0.1014	1.00	0.1014	0.1014	1.00		
7095.00	NA	NA	0.1022	1.00	0.1022	0.1022	1.00		
7096.00	NA	NA	0.1030	1.00	0.1030	0.1030	1.00		
7097.00	NA	NA	0.1038	1.00	0.1038	0.1038	1.00		
7098.00	NA	NA	0.1046	1.00	0.1046	0.1046	1.00		
7099.00	NA	NA	0.1054	1.00	0.1054	0.1054	1.00		
7100.00	NA	NA	0.1062	1.00	0.1062	0.1062	1.00		

RECOMMENDED EXISTENCE SPECIFICATIONS

- AREAS TO RECEIVE FILL AND/OR BACKFILL SHOULD BE STRIPPED OF ALL VEGETATION, ORGANIC MATERIAL, AND DEBRIS. ANY EXISTING UNDOCUMENTED OR NON-STRUCTURAL FILL/BACKFILL MATERIALS AND OTHER FILL SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FILL.
- FILL SHOULD BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS COMPARED TO ASTM D 699 (STANDARD PROCTOR) FOR THE SPILL PILE AND 90% FOR THE SEDIMENTATION DIMENSIONMENTS.
- LIFT THICKNESS FOR THE SEDIMENTATION PONDS SHOULD NOT EXCEED 12-INCH LOOSE LIFTS OR 8-INCH COMPACTED LIFTS. SINCE LARGE EQUIPMENT WILL BE USED FOR THE SPILL PILE, LIFTS CAN BE AS LARGE AS NECESSARY UNTIL THE SPECIFIED RELATIVE COMPACTION IS ATTAINED. THE CONTRACTOR SHOULD PROVIDE LEVEL TESTING PADS ON WHICH GEOTECHNICAL ENGINEERING FIRM MAY CONDUCT FIELD PERSONNEL THROUGHOUT THE GRADING SITE TO ALLOW CONTINUED MONITORING AND TESTING.
- SATURATED SOILS SHOULD BE PLACED IN AN AREA THAT WILL HAVE MINIMAL EFFECT ON THE PERFORMANCE OF THE SLOPE.
- NATIVE, UNDISTURBED SOILS TO SERVE AS SUBGRADE FOR THE POND EMBANKMENTS SHOULD BE SAMPLED FOR A MINIMUM OF 10 TO 12 SAMPLES, MONITORING COMPACTED TO OR SLIGHTLY ABOVE. ORIGINAL MOISTURE CONTENT AND BE COMPARED TO AT LEAST 90% RELATIVE COMPACTION.
- A QUALIFIED GEOTECHNICAL ENGINEERING FIRM SHOULD OBSERVE THE PLACEMENT FILL AND CONDUCT PLACE FIELD DENSITY TESTS ON THE FILL TO CHECK FOR ADEQUATE MOISTURE CONTENT AND RELATIVE COMPACTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND TESTING. THE CONTRACTOR SHOULD PROVIDE LEVEL TESTING PADS ON WHICH GEOTECHNICAL ENGINEERING FIRM MAY CONDUCT FIELD PERSONNEL THROUGHOUT THE GRADING SITE TO ALLOW CONTINUED MONITORING AND TESTING.
- WHEREVER, IN THE OPINION OF THE OWNER'S REPRESENTATIVE, AN UNSTABLE CONDITION IS BEING OBSERVED, THE CONTRACTOR SHALL STOP WORK AND THE GRADING OPERATIONS REVISED, IF FOUND NECESSARY.
- FILL SHOULD NOT BE PLACED, SPREAD OR ROLLED DURING UNFAVORABLE WEATHER CONDITIONS, WHEN THE FILL IS NOT PROTECTED BY AN EROSION CONTROL MEASURE. OPERATIONS SHOULD NOT BE RESUMED UNTIL FIELD INSPECTIONS INDICATE THAT THE MOST RECENT AND SUFFICIENT OF THE FILL ARE PREVIOUSLY SPECIFIED.
- WHENEVER THE WORKS SUPERVISOR, INSPECTOR, OR CONTRACTOR APPEARS THEY SHOULD BEAN OBSERVATION OF THE WORK AND TESTING OF THE FILL PLACEMENT NECESSARY BY THE GEOTECHNICAL ENGINEER OR THEIR REPRESENTATIVE TO SUBSTANTIATE COMPLIANCE WITH PLANS, SPECIFICATIONS AND DESIGN CONCEPTS.



RECORD DRAWING

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