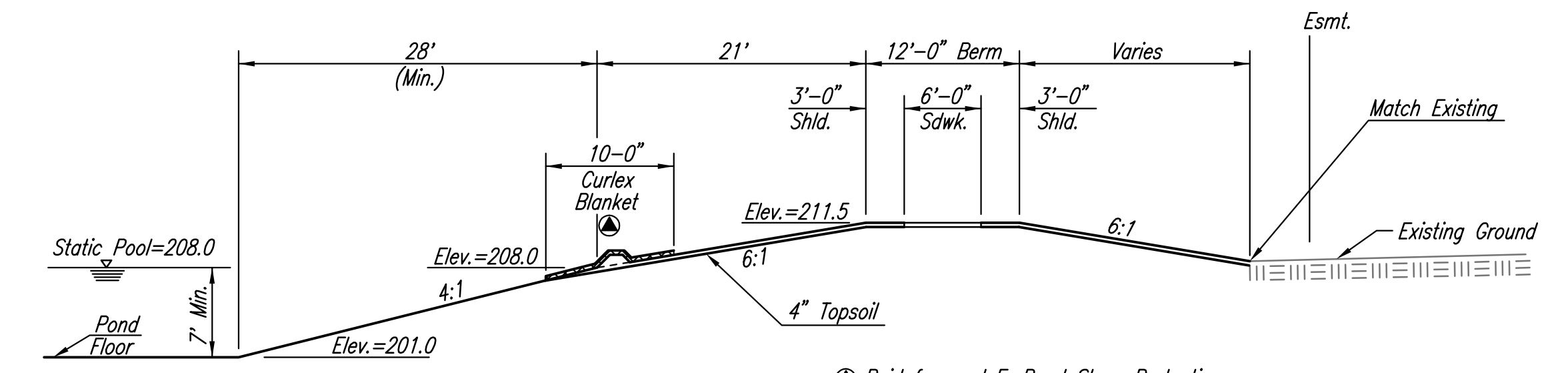
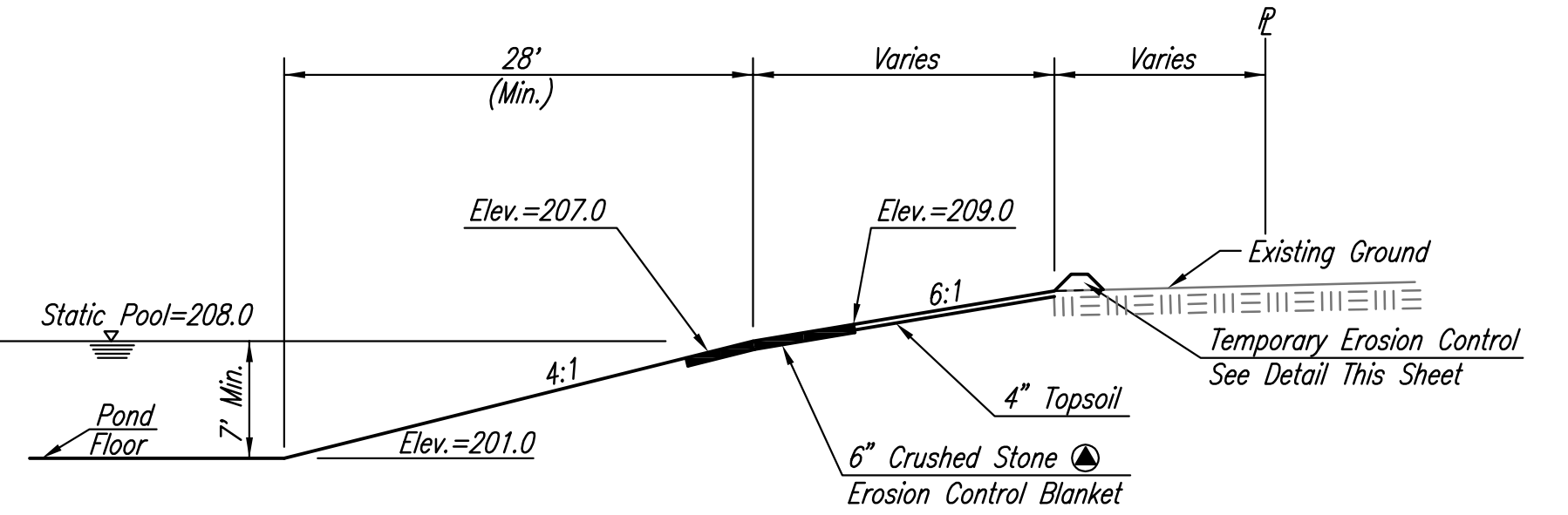


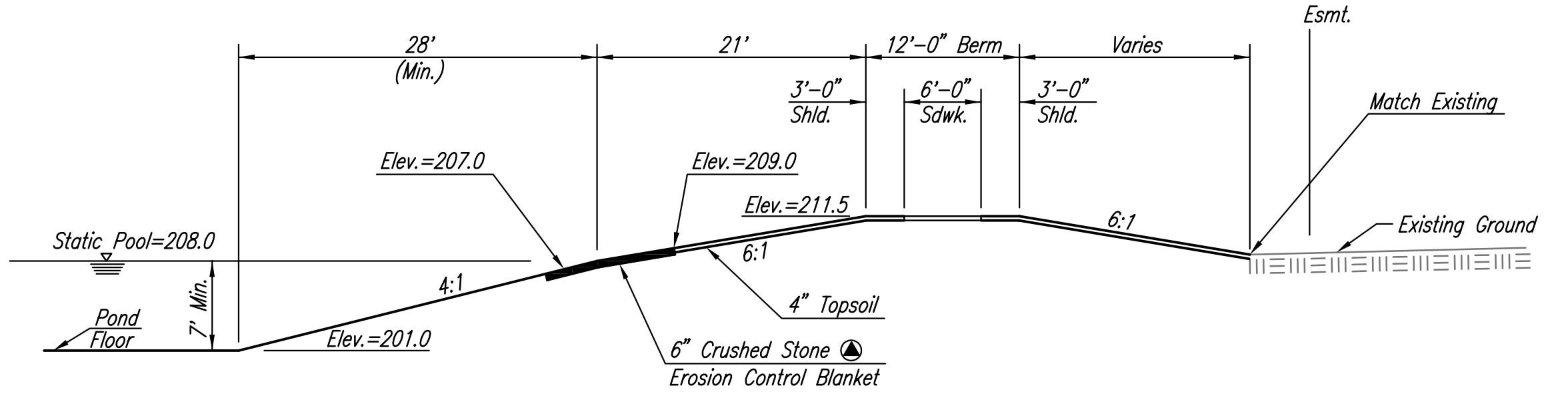
TYPICAL SECTION A-A
(Showing Slope Protection)



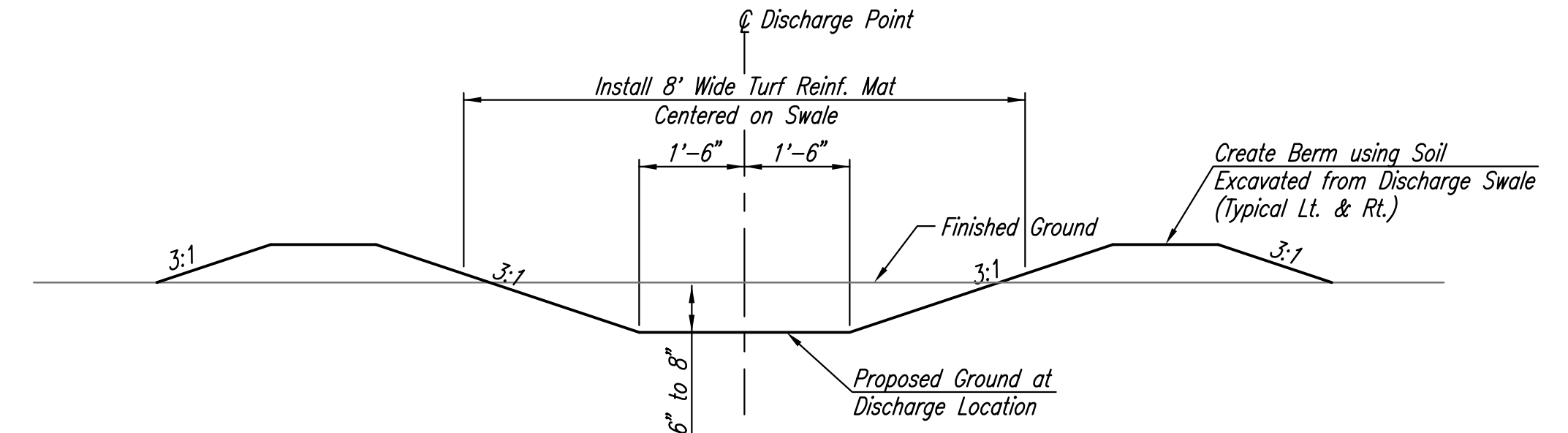
TYPICAL SECTION B-B
(Showing Slope Protection)



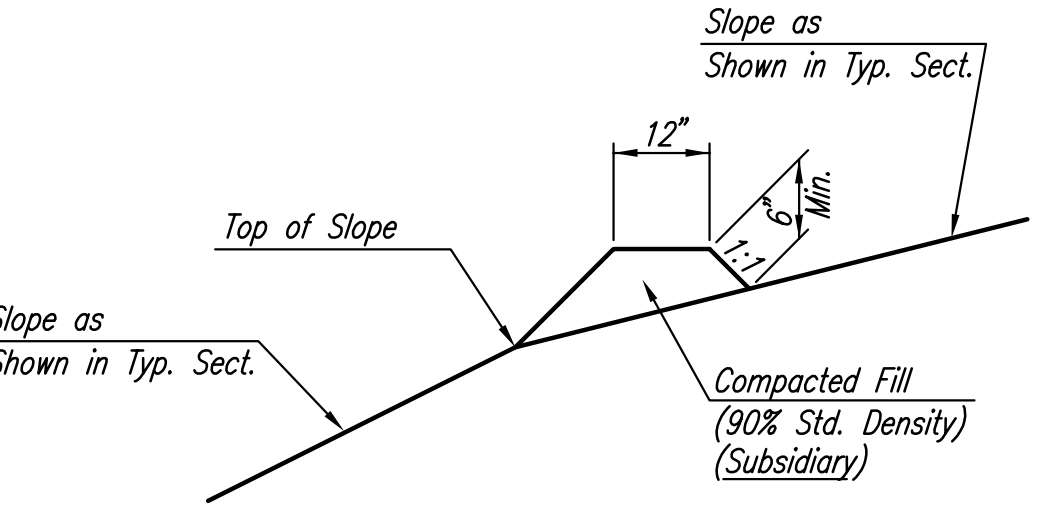
TYPICAL SECTION A-A
(Showing Slope Protection)



TYPICAL SECTION B-B
(Showing Slope Protection)



TYPICAL SECTION
(Erosion Berm Discharge Point)



TEMPORARY EROSION CONTROL DETAIL FOR SLOPE PROTECTION

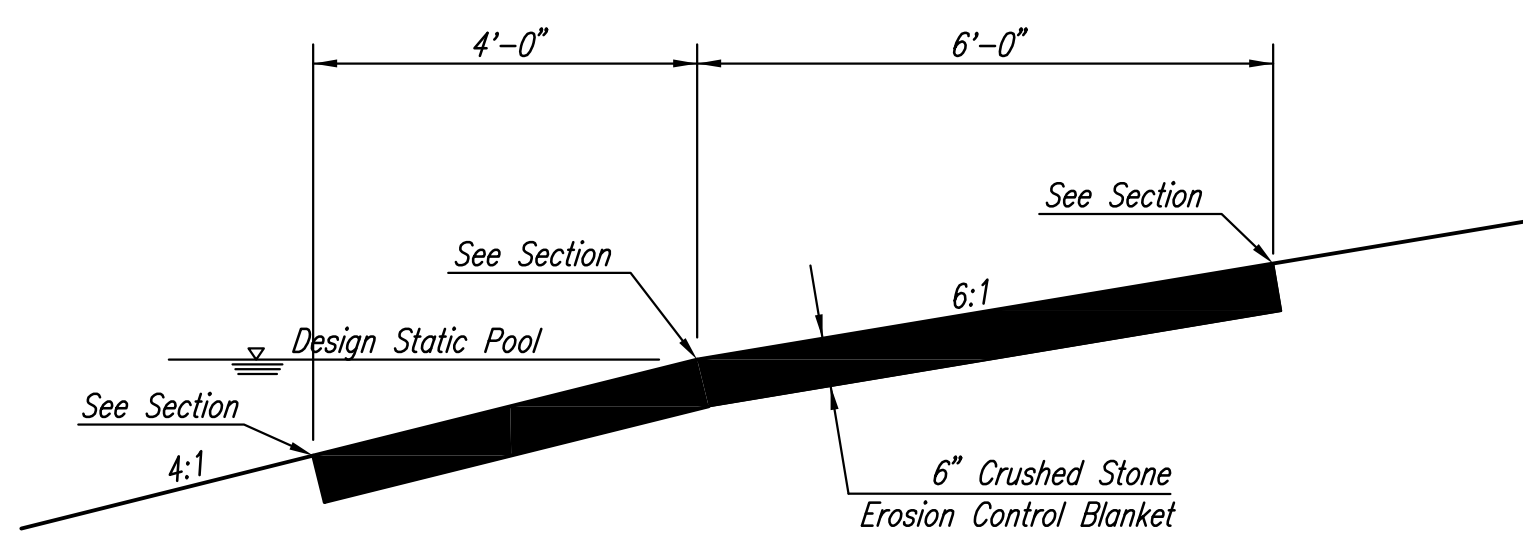
THE ENGINEER MAY DETERMINE THAT THE HEIGHT OF BERM SHOULD BE INCREASED OVER THAT SHOWN IF DRAINAGE CONDITIONS ARE PRODUCING SLOPE EROSION.

TEMPORARY EROSION CONTROL BERMS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

AT REGULAR INTERVALS OF 100 FT OR LESS, OR AS DIRECTED BY THE ENGINEER, PROVIDE BREAKS IN THE BERM TO ALLOW CONTROLLED DISCHARGE OF TRAPPED WATER. DISCHARGE LOCATIONS SHALL BE PROTECTED AS NECESSARY TO PREVENT SLOPE EROSION.

ALL AREAS WHERE FLOW IS CONCENTRATED SHALL BE PROTECTED BY SILTATION BARRIERS PRIOR TO DISCHARGING INTO ANY DITCH, STORM SEWER, OR WATERCOURSE, AS APPROVED BY THE ENGINEER.

MEASUREMENT AND PAYMENT: THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO "UNCLASSIFIED EXCAVATION".

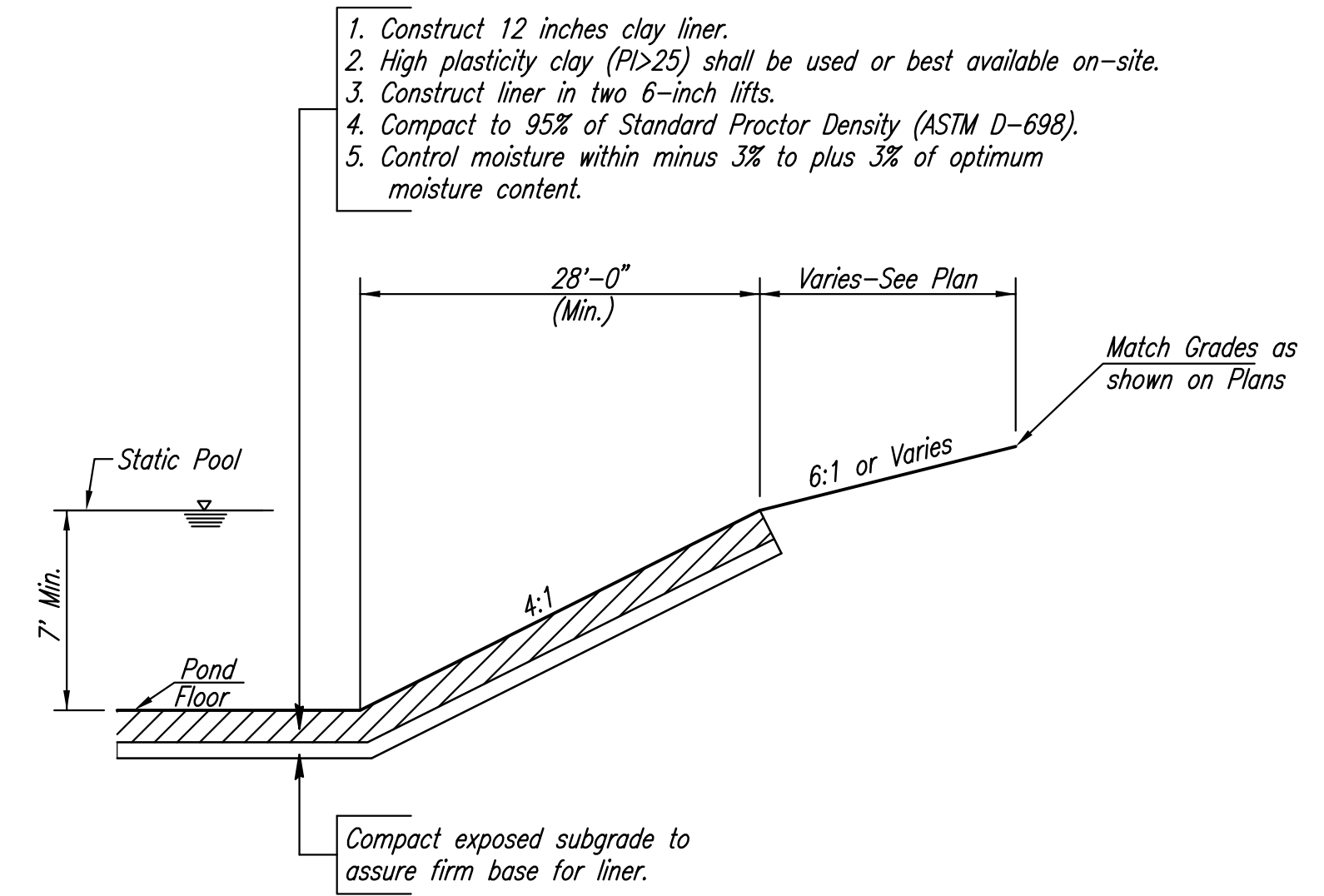


EROSION CONTROL BLANKET DETAIL

NOTES

CRUSHED STONE FOR THE EROSION CONTROL BLANKET SHALL BE COMMERCIALY AVAILABLE 5" x 9" CRUSHED STONE FOR RIPRAP. MATERIALS SHALL MEET THE REQUIREMENTS FOR QUALITY AND DELETERIOUS SUBSTANCES AS SET FORTH IN SUBSECTION 1116.02 (d)(2) THROUGH 1116.02 (d)(3.1) OF STANDARD SPECIFICATIONS FOR STATE ROAD AND BRIDGE CONSTRUCTION, KANSAS DEPARTMENT OF TRANSPORTATION, 1990 EDITION.

PAYMENT FOR 6" EROSION CONTROL BLANKET SHALL BE PER LINEAL FOOT AS MEASURED ALONG STATIC POOL ELEVATION.



CLAY LINER CONSTRUCTION PROCEDURE FOR POND SEALING

COORDINATE LIST		
POINT	NORTH	EAST
6000	9,885.5545	7,464.4418
6001	9,871.4244	7,468.2189
6002	9,866.2817	7,471.3097
6003	9,850.4373	7,494.8079
6004	9,851.7844	7,502.7538
6005	9,851.4428	7,516.6037
6006	9,848.4713	7,568.4104
6007	9,858.4782	7,612.7618
6008	9,873.0119	7,694.3752
6009	9,863.1869	7,776.6883
6010	9,853.5018	7,812.1915
6011	9,850.1942	7,845.1042
6012	9,857.8046	7,877.2952
6013	9,865.8698	7,908.8380
6014	9,862.4433	7,936.3390
6015	9,851.3172	7,972.5568
6016	9,846.9295	7,999.8703
6017	9,850.1929	8,027.3407
6018	9,870.9513	8,106.3251
6019	9,873.2006	8,149.9281
6020	9,857.8448	8,190.7996
6021	9,847.7403	8,209.1378
6022	9,836.4519	8,245.1443
6023	9,797.4685	8,270.1584
6024	9,768.3311	8,234.1527
6025	9,775.3103	8,095.0002
6026	9,775.6704	8,062.3292
6027	9,773.4776	8,029.7300
6028	9,763.9627	7,940.5201
6029	9,762.3980	7,906.8024
6030	9,764.8731	7,873.1393
6031	9,717.7557	7,732.6229
6032	9,577.7226	7,684.0878
6033	9,523.2849	7,690.8270
6034	9,469.4468	7,692.3096
6035	9,416.3087	7,683.5296

⊙ = COORDINATE POINT NO.
SEE SHEET NO. 3 FOR PLAT COORDINATES

COORDINATE LIST		
POINT	NORTH	EAST
6036	9,387.6785	7,675.9321
6037	9,333.2173	7,670.6973
6038	9,279.9622	7,683.2396
6039	9,268.4170	7,688.0510
6040	9,207.2976	7,688.8414
6041	9,162.6120	7,647.1353
6042	9,154.1655	7,629.0976
6043	9,146.9237	7,615.8977
6044	9,138.0602	7,603.7273
6045	9,127.8371	7,591.4238
6046	9,124.9599	7,490.2849
6047	9,222.4872	7,463.3444
6048	9,260.8725	7,472.2352
6049	9,300.0450	7,467.9930
6050	9,351.5374	7,453.4301
6051	9,380.3553	7,449.6687
6052	9,409.0377	7,454.3524
6053	9,431.0630	7,461.3517
6054	9,454.6714	7,465.8250
6055	9,478.6654	7,464.5376
6056	9,527.9973	7,455.8641
6057	9,551.4775	7,454.5435
6058	9,574.6168	7,458.7431
6059	9,609.5033	7,469.4353
6060	9,683.6664	7,478.7623
6061	9,756.6207	7,462.4886
6062	9,773.2896	7,455.6024
6063	9,807.4246	7,452.6427
6064	9,832.9449	7,465.7019
6065	9,861.1305	7,462.7385
6066	9,866.2732	7,459.6478
6067	9,876.2398	7,448.9430
6068	9,793.2407	7,359.5765
6069	9,809.9126	8,309.4302
6070	9,068.2840	7,569.4848
6071	9,636.7573	7,561.3291

POND SEALING NOTES:

THE POND AREAS BELOW STATIC POOL ELEVATION SHALL BE OVEREXCAVATED TO A DEPTH OF 12 INCHES BELOW THE FINAL POND SURFACE. THE OVEREXCAVATED MATERIAL SHALL BE STOCKPILED FOR RE-USE, UTILIZED IN PROJECT EMBANKMENTS, OR WASTED ON SITE. BACKFILL OVEREXCAVATED AREA WITH HEAVY CLAY MATERIAL AND COMPACT TO 95% STD. DENSITY IN MAXIMUM 6-INCH LIFTS TO PROVIDE AN IMPERVIOUS SURFACE. NO SHALE PERMITTED IN THIS ZONE.

POND SEALING, AS DESCRIBED HEREIN, SHALL BE MEASURED AND PAID FOR BY THE LUMP SUM. THE LUMP SUM BID FOR "POND SEALING" SHALL BE CONSIDERED FULL COMPENSATION FOR ALL OVEREXCAVATION, STOCKPILING, DOUBLE HANDLING OF EARTHWORK (IF NECESSARY), COMPACTING, CORRECTION OF LEAKAGE AS DIRECTED BY THE ENGINEER, AND FOR ALL TOOLS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

POND GRADING NOTES:

CONTRACTOR SHALL PERFORM GRADING AS SHOWN BY CONTOURS AND SPOT ELEVATIONS ON THIS SHEET. EARTHWORK VOLUMES FOR THIS GRADING HAVE BEEN INCLUDED IN THE BID ITEM "UNCLASSIFIED EXCAVATION".

No.	Revision	By	Date
WEBB BUSINESS PARK STORM WATER DRAIN NO. 337 POND TYPICAL SECTIONS JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-84431 Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	BMM	Job No.	35-07593-003
Drawn by	BJS, TAT	Date	June 2007
			Sheet 9 of 29

Scaled 03-25-2008 3:16:40 PM by BJS
 Plot Scale 1:40 03-25-2008 3:17:03 PM
 Q:\2007\07593\003\07593-003-C-POND DETAILS