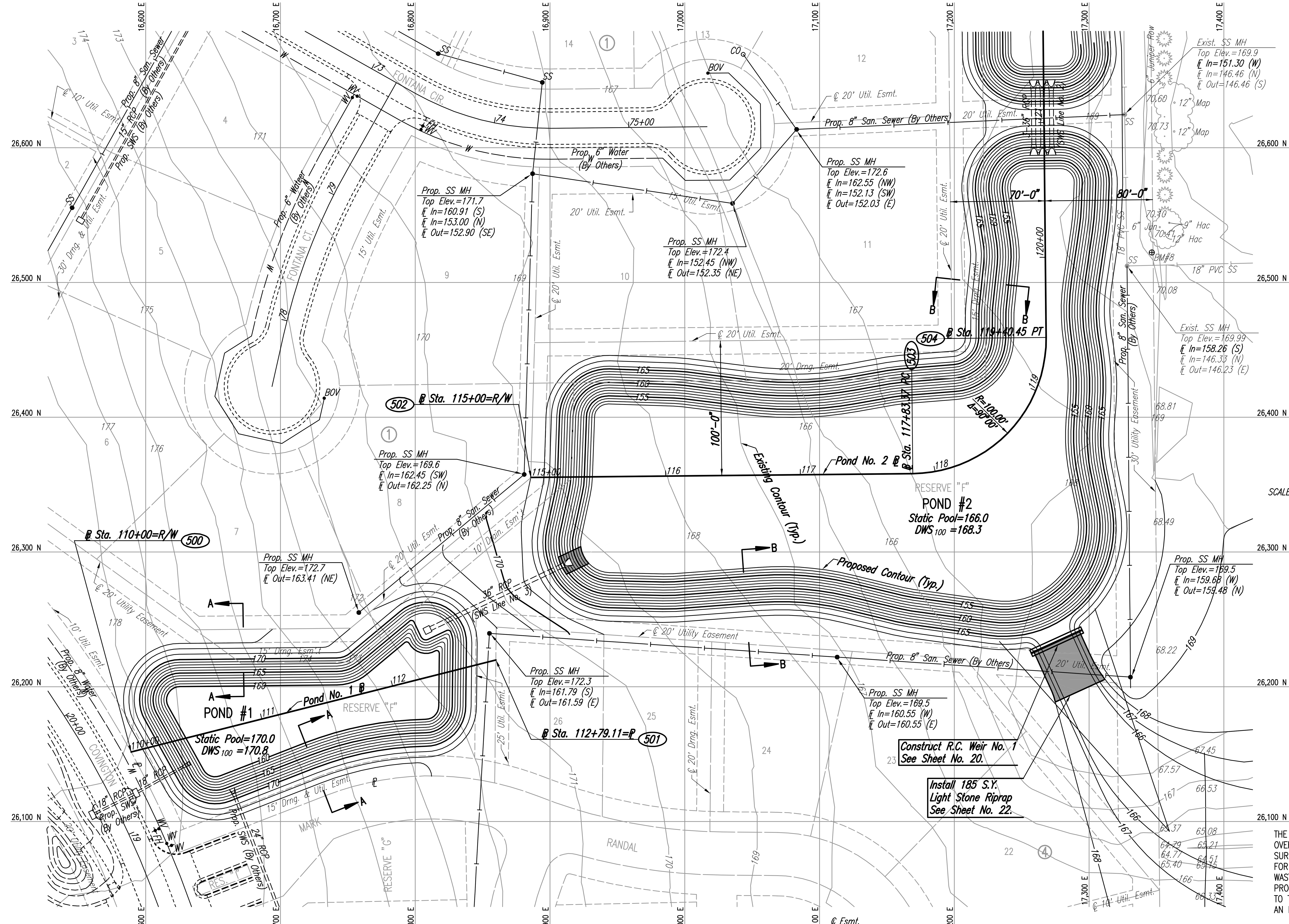
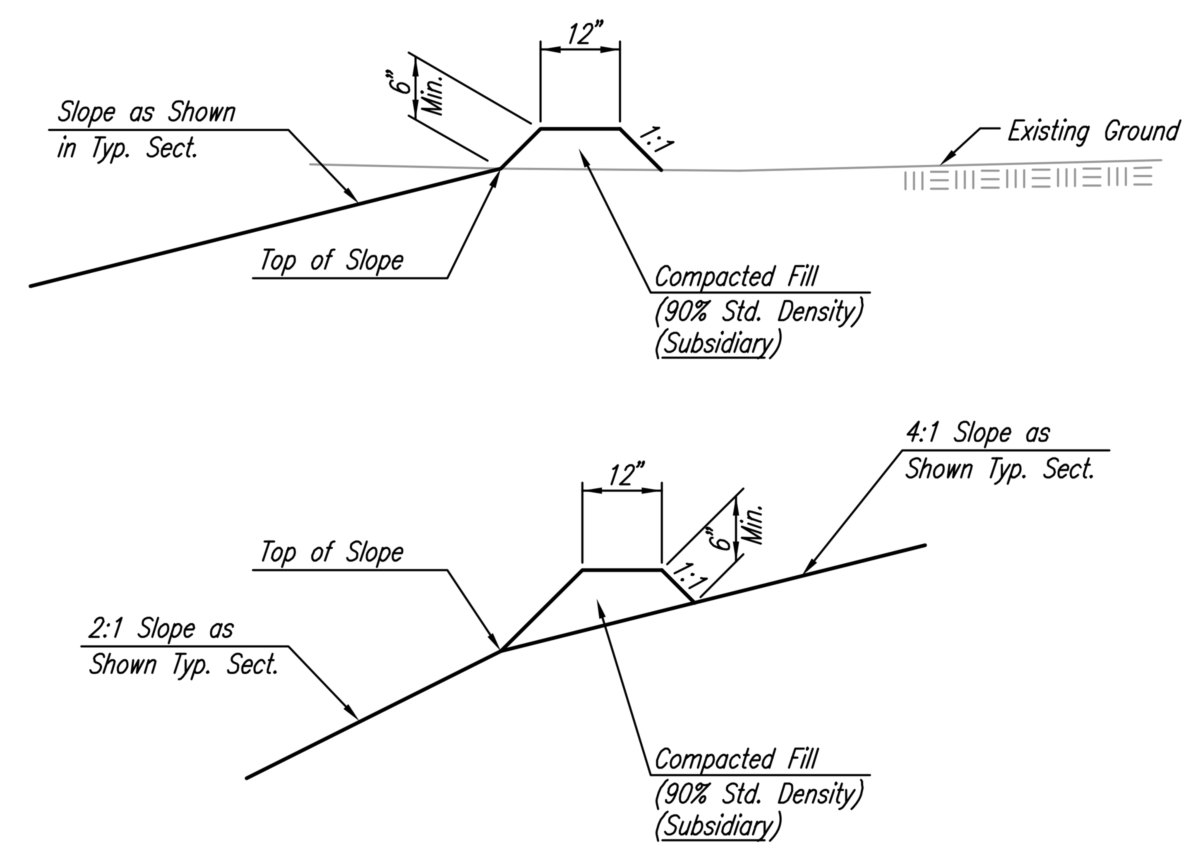




TEMPORARY EROSION CONTROL DETAIL FOR SLOPE PROTECTION

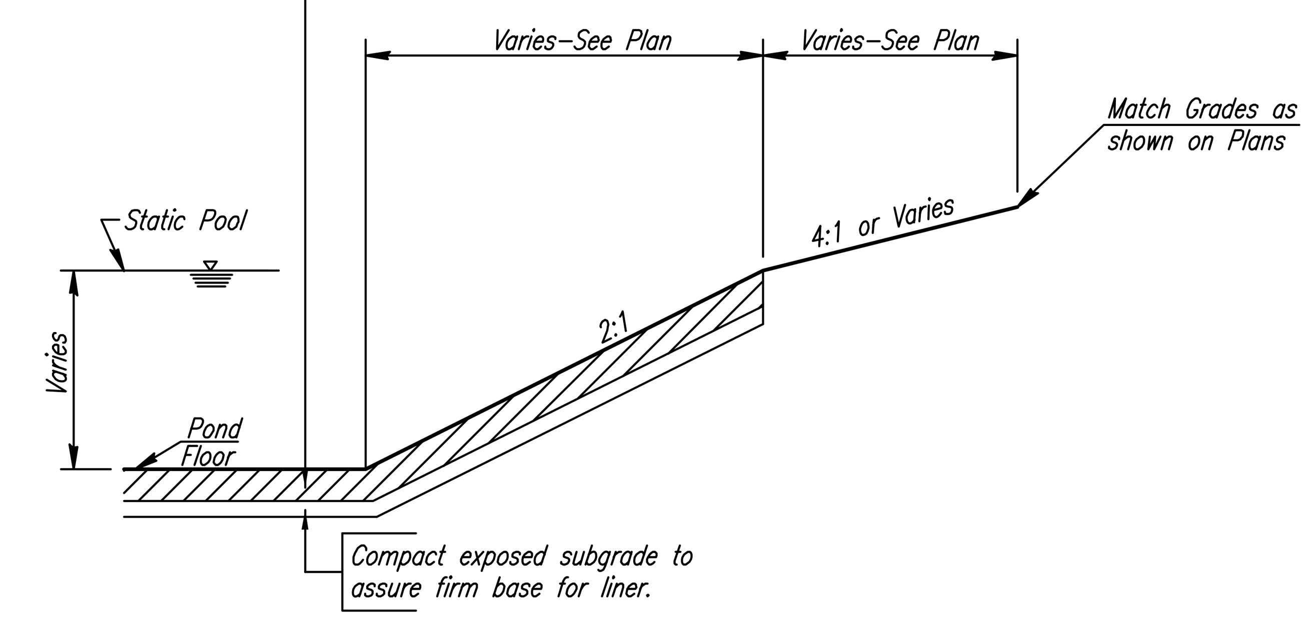
THE ENGINEER MAY DETERMINE THAT THE HEIGHT OF BERM SHOULD BE INCREASED OVER THAT SHOWN IF DRAINAGE CONDITIONS ARE PRODUCING SLOPE EROSION.

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

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".

1. Construct 12 inches clay liner.
2. On-site high plasticity clay may be used.
3. Construct liner in two 6-inch lifts.
4. Compact to 95% of Standard Proctor Density (ASTM D-698).
5. Control moisture within minus 3 to plus 3% of optimum moisture content.

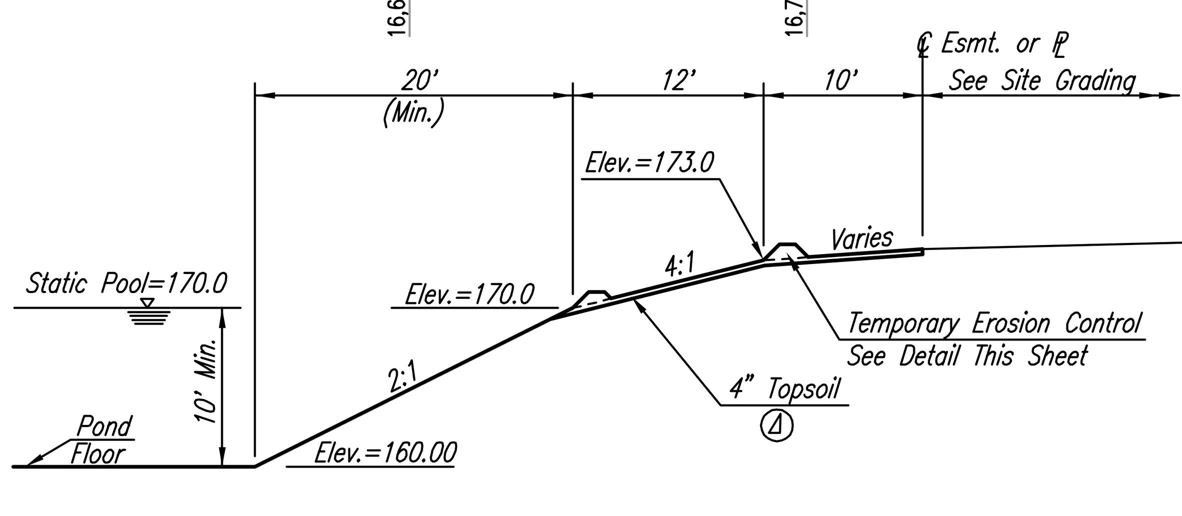


CLAY LINER CONSTRUCTION PROCEDURE FOR POND SEALING

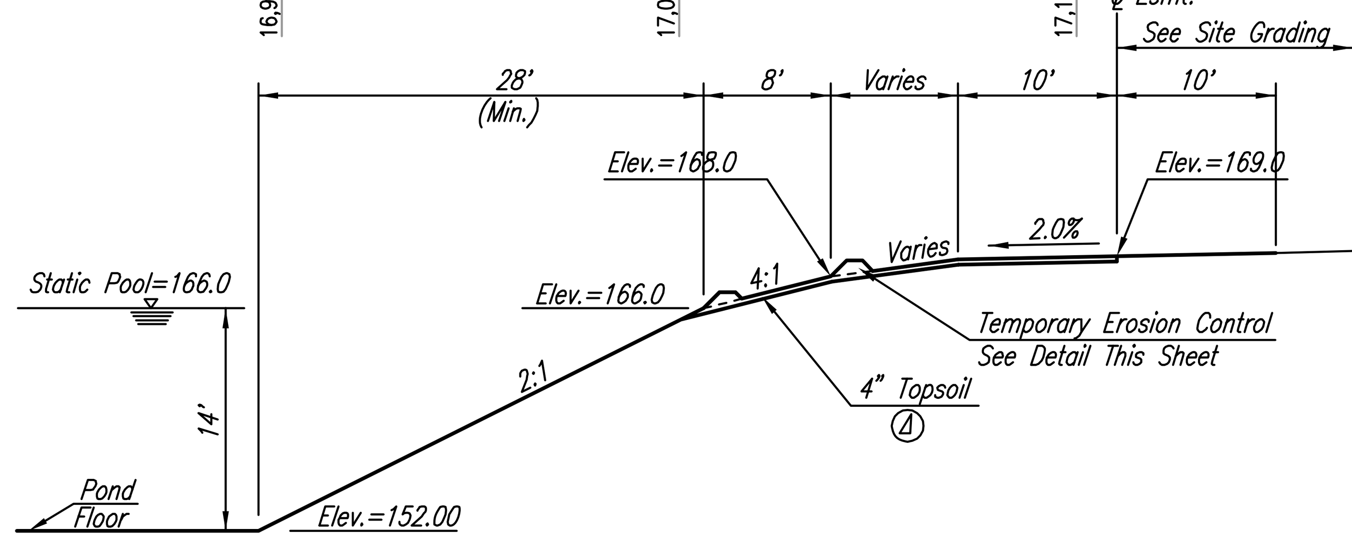
POND SEALING NOTES:

THE POND AREAS BELOW STATIC POOL ELEVATION SHALL BE OVEREXCAVATED TO A DEPTH OF ONE FOOT 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 PROJECT AREA CLAY MATERIAL AND COMPACT TO TYPE B (MR-0) 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, WATER, CORRECTION OF LEAKAGE AS DIRECTED BY THE ENGINEER, AND FOR ALL TOOLS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.



SECTION A-A



SECTION B-B

COORDINATE LIST		
POINT	NORTH	EAST
500	26,151.5577	16,589.2520
501	26,219.8638	16,859.8766
502	26,355.2738	16,885.7957
503	26,358.1585	17,169.1559
504	26,459.1713	17,268.1327

(500) = COORDINATE POINT NO.

SEE SHEET NOS. 3 & 4 FOR PLAT COORDINATES

(4) Salvaged from on-site.

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".

HORIZONTAL CONTROL FOR POND LAYOUT MAY BE SCALED FROM THIS DRAWING. SEE SHEET NOS. 3 AND 4 FOR ADDITIONAL CONTROL POINT INFORMATION.

ALL EXCESS MATERIAL EXCAVATED AS A RESULT OF THIS GRADING SHALL REMAIN ON-SITE FOR USE IN SITE GRADING.

No.	Revision	By	Date

FONTANA ADDITION–PHASE 1
STORM WATER DRAIN NO. 236

GRADING PLAN – PONDS 1 & 2

JAMES L. ARMOUR, P.E.– CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-83883

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	BDB, BLB	Job No.	35-04485-001	Sheet 12 of 79
Drawn by	BJS	Date	SEPTEMBER 2004	

Saved 12-14-2005 8:09:50 AM by BJS
Plot Scale 1:40 12-14-2005 5:13:04 PM by REJ
J:\SENTOUT\2004\04485\2005-12-14 to City\SWD 236\DWG\12-GRAD PLAN-POND NO 1 AND 2