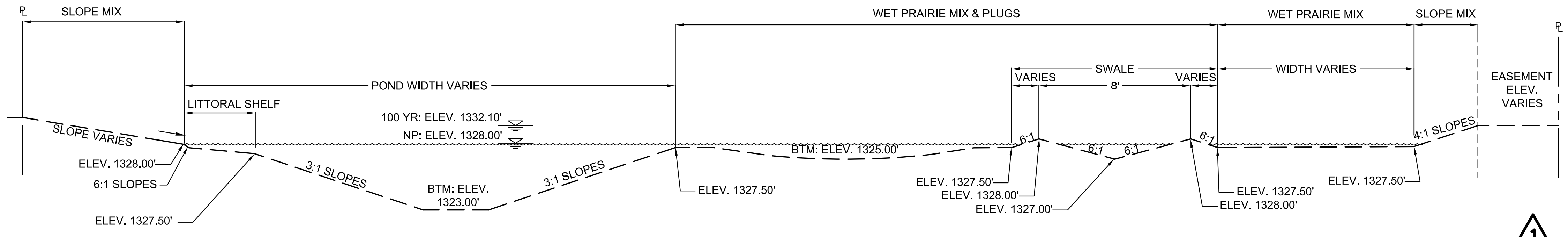


J:\PROJECTS\2015\1401010482_PREMIER_ESTANCIA\5-CIVIL\CAD\GRD\14482_GRAD_DETAILS.DWG
 J:\PROJECTS\2015\1401010482_PREMIER_ESTANCIA\5-CIVIL\CAD\GRD\14482_GRAD_DETAILS.DWG
 PLOT#02: Tuesday, December 01, 2015 @ 08:13PM

NOTE: SEE SEEDING SHEETS FOR PROPOSED PLANTING LOCATIONS

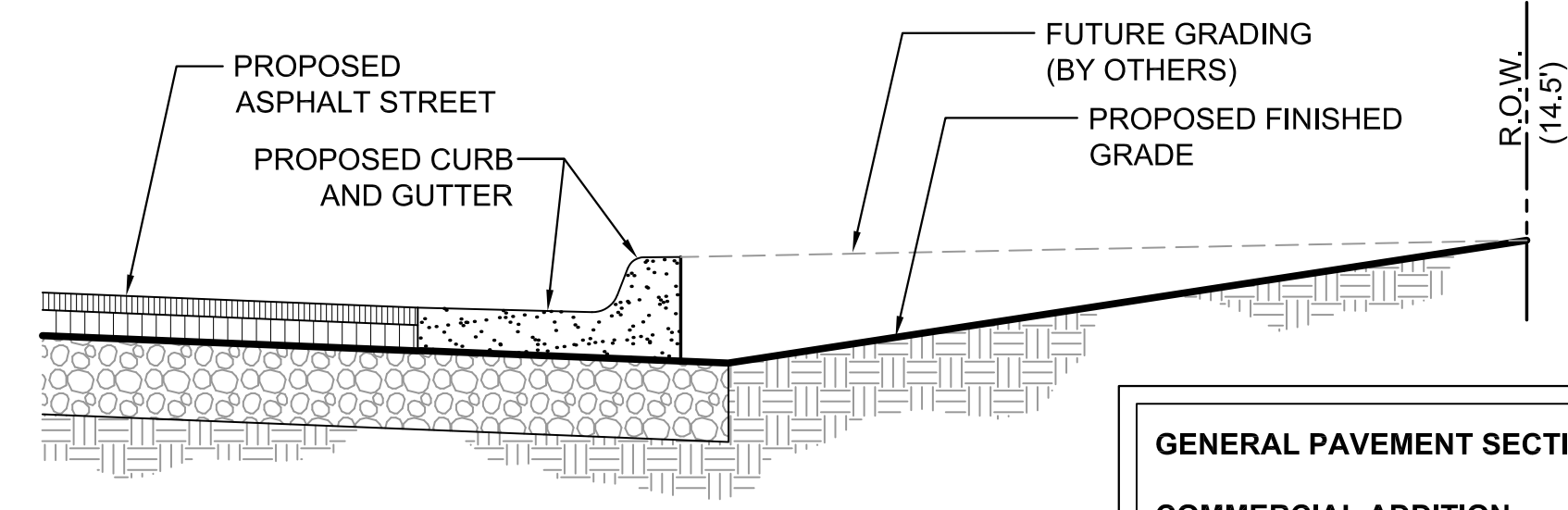


A TYPICAL DRAINAGEWAY PROFILE
NOT TO SCALE

1
REVISED NOTES

GENERAL GRADING NOTES

1. THIS IS DESIGN GRADING. ALL GRADES SHALL BE CONTOURED SMOOTHLY WITH GENTLE ROUNDING/SHAPING OF ALL AFFECTED LAND SURFACES. ABRUPT TRANSITIONS AT THE TOP OF SLOPES WHERE PROPOSED GRADES MEET EXISTING ARE NOT ACCEPTABLE. SURVEY STAKES FOR POND GRADING ARE FOR GENERAL GRADING PURPOSES ONLY. NOT ALL SLOPES ARE CONSTANT AND THEREFORE THE GRADING PLANS SHALL BE REFERRED TO FOR FINAL GRADE SHAPING. ALL BERMS & POND EDGES SHALL BE FINAL GRADED/SHAPED WITH A TRACK DOZER, NOT A BLADE. THE GRADING SHALL BE APPROVED BY MKEC'S LANDSCAPE ARCHITECT PRIOR TO THE ADDITION OF THE TOPSOIL LAYER.
2. A 6" LAYER OF TOPSOIL SHALL BE STRIPPED IN ALL AREAS OF CUT AND FILL AND SAVE BACK FOR TOPSOIL REPLACEMENT IN RESERVES (BERMS AND DRAINAGE WAYS), AND STREET R/W FOR CURB BACKFILL. EXCESS TOPSOIL SHALL BE STOCKPILED ON SITE ADJACENT TO THE CLAY LINER STOCKPILE.
3. TOPSOIL SHALL BE REPLACED AT A DEPTH OF 6" IN ALL RESERVE AREAS, AS INDICATED IN DETAILS. EXCESS TOP SOIL MAY BE WASTED IN BERMS, BY INCREASING TOP SOIL THICKNESS. THE FINISHED GRADE SHOWN ON THE PLANS INDICATES THE SURFACE ELEVATION AFTER THE TOPSOIL LAYER HAS BEEN PLACED.
4. AS THE PROJECT NEARS COMPLETION, THE CONTRACTOR SHALL RIP (SCARIFY) ALL HAUL ROADS WITH AN AGRICULTURAL IMPLEMENT INTENDED FOR SUCH PURPOSES TO A DEPTH OF 18". MULTIPLE PASSES MAY BE NECESSARY TO THOROUGHLY ALLEVIATE COMPACTION.



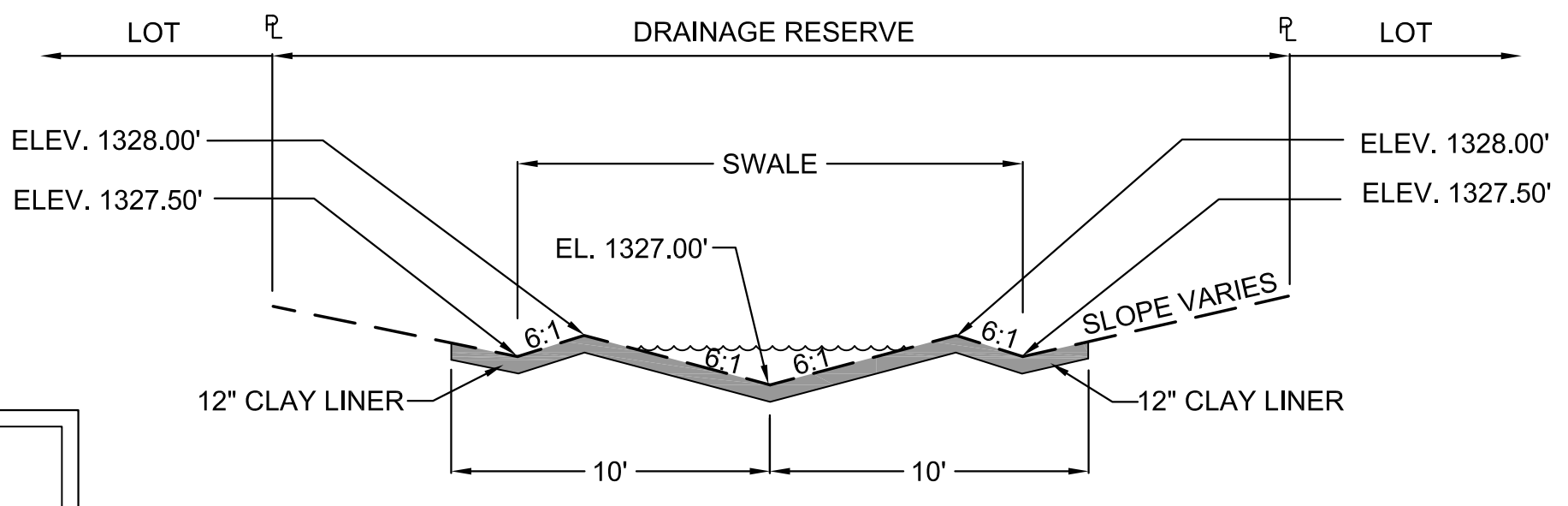
TYPICAL ROAD CROSS SECTION DETAIL
NOT TO SCALE

GENERAL PAVEMENT SECTION DIMENSIONS:

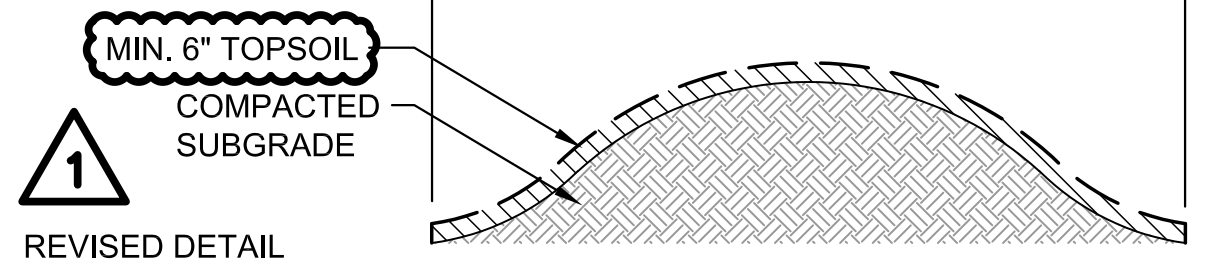
COMMERCIAL ADDITION
6 INCH ASPHALT PAVING ON 5 INCH CRUSHED ROCK BASE

RESIDENTIAL ADDITION

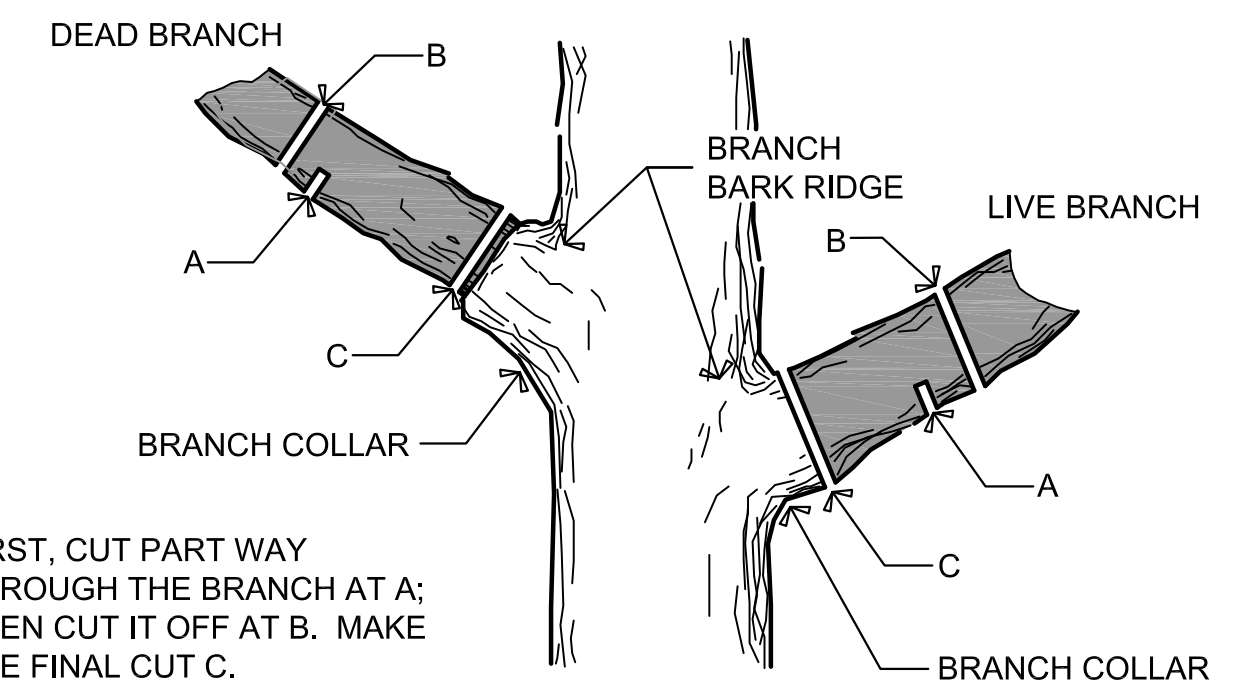
1. ESTANCIA STREET
6 INCH ASPHALT PAVING ON 5 INCH CRUSHED ROCK BASE
2. ESTANCIA CT
5 INCH ASPHALT PAVING ON 5 INCH CRUSHED ROCK BASE
3. MIRABELLA & SOLANO STREET
5 INCH ASPHALT PAVING ON 5 INCH CRUSHED ROCK BASE



TYPICAL SWALE SECTION
NOT TO SCALE



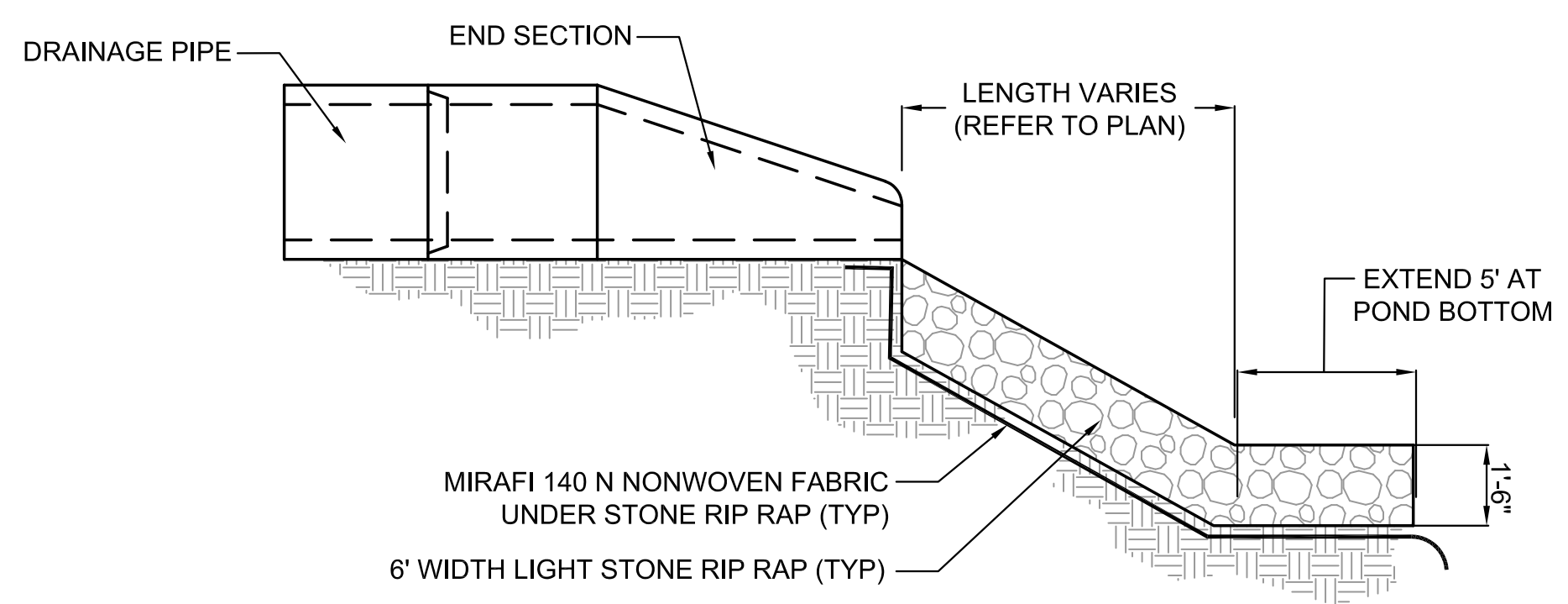
TYPICAL BERM SECTION
NOT TO SCALE



TREE TRIMMING DETAIL
NOT TO SCALE

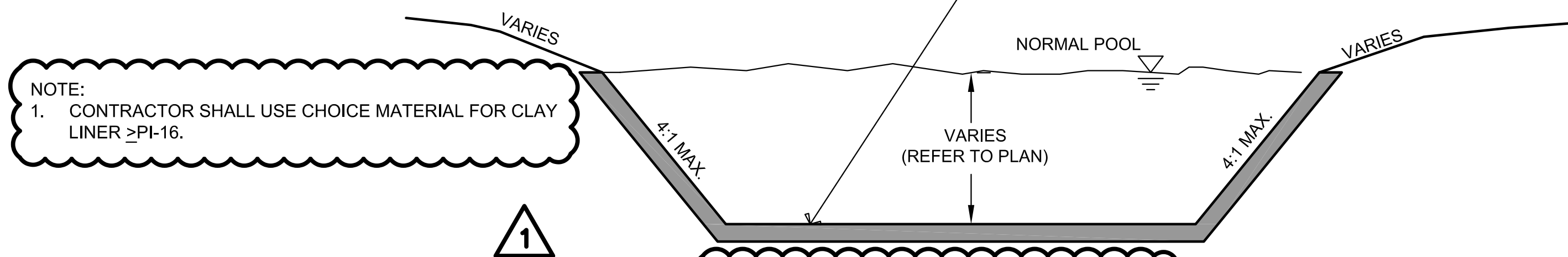
TREE TRIMMING NOTES

1. NOTIFY MKEC PROJECT ENGINEER PRIOR TO COMMENCEMENT OF EASEMENT CLEARING & GRUBBING OPERATIONS. CONTRACTOR SHALL HAVE LIMITS OF REMOVAL DEFINED WITH FLAG & LATH. MKEC PROJECT ENGINEER WILL PROVIDE JUDGEMENT CALLS FOR TREES IN QUESTION. PROVIDE MKEC 24-HOUR NOTICE.
2. TREES MAY BE BURNED ON SITE. REGULATORY & PERMITTING APPROVALS SHALL BE SECURED BY CONTRACTOR.
3. TRIMMING OF BRANCHES SHALL NOT BE DONE WITH A BACKHOE!



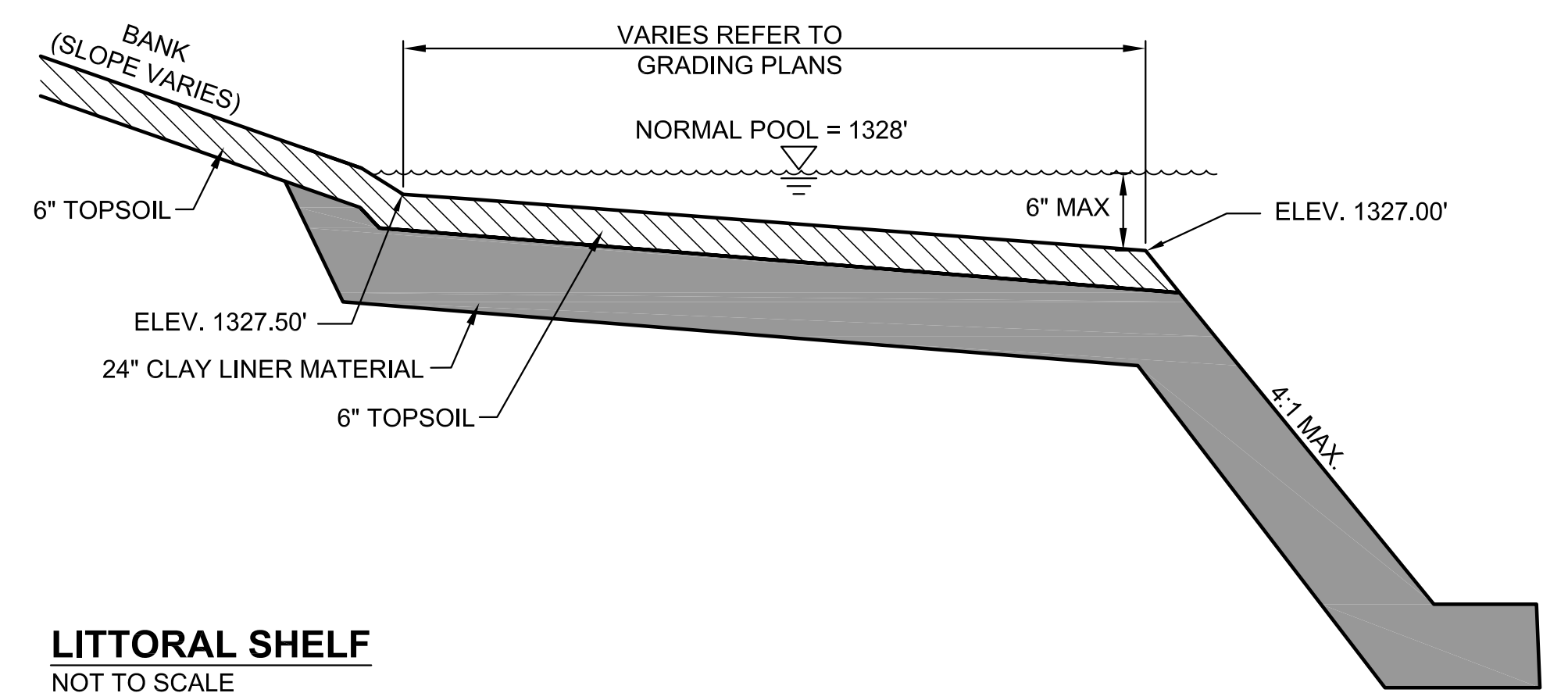
TYPICAL RIP RAP DETAIL
NOT TO SCALE

1. OVER EXCAVATE 24" OF SOIL.
2. CONSTRUCT 24" CLAY LINER. PLACE IN 4, 6" LIFTS.
3. COMPACT TO 2% ABOVE OPTIMUM ASTM D698 95% RELATIVE MAX DENSITY.



TYPICAL SHALLOW POND DETAIL
NOT TO SCALE

1
REVISED DETAIL



LITTORAL SHELF
NOT TO SCALE

©2015 MKEC Engineering All Rights Reserved www.mkec.com
 These drawings and their contents, including, but not limited to, all concepts, designs, & ideas are the exclusive property of MKEC Engineering (MKEC), and may not be used or reproduced in any way without the express consent of MKEC.

GRADING DETAILS	
PROJECT NO.	468-85070
DATE	NOV. 2015
SCALE	N/A
DESIGNED	DRAWN
ABC	MLP
CHECKED	ABC
NO.	REVISION
1	REVISED DETAIL & NOTES
	DATE
	12/01/15
SHEET NO.	
11 OF 26	