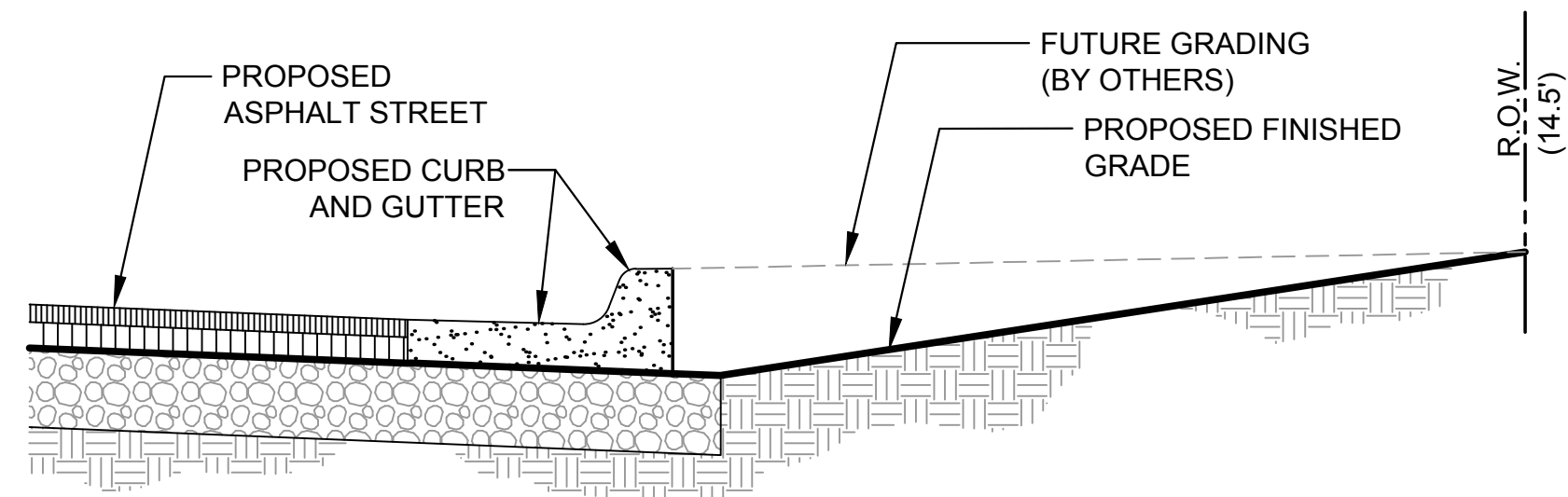


GENERAL GRADING NOTES

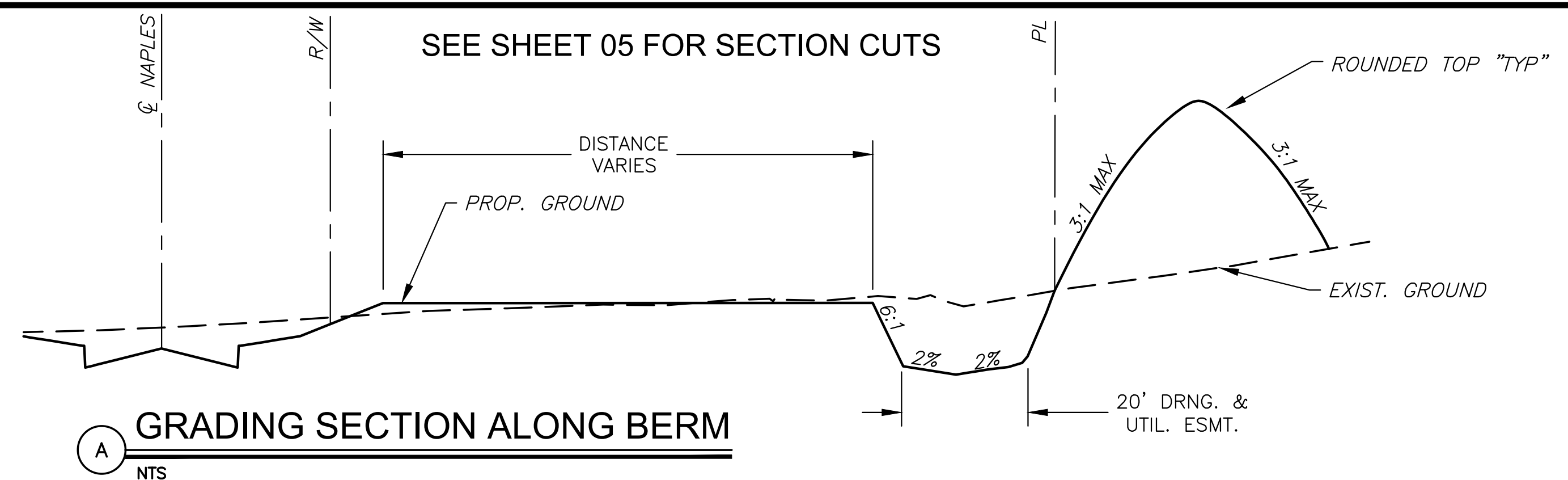
- THIS IS DESIGN GRADING. ALL GRADES ABOVE THE NORMAL POOL ELEVATION SHALL BE CONTOURED SMOOTHLY WITH GENTLE ROUNDING/SHAPING OF ALL AFFECTED LAND SURFACES. ABRUPT TRANSITIONS AT THE TOP OF SLOPES WHERE PROPOSED GRADES MEET EXISTING ARE NOT ACCEPTABLE. SURVEY STAKES FOR POND GRADING ARE FOR GENERAL GRADING 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.
- EXISTING NATURAL AREAS (TREES & PASTURE) OUTSIDE OF THE NOTED LIMITS OF GRADING SHALL BE PRESERVED & SHALL BE OFF LIMITS TO ANY TYPE OF CONSTRUCTION ACTIVITY. TEMPORARY CONSTRUCTION FENCE SHALL BE ERECTED AROUND NOTED LOCATIONS PRIOR TO THE START OF CONSTRUCTION.
- 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. NOTE: THE FINISHED GRADE INDICATES THE SURFACE ELEVATION AFTER THE ELEVATION LAYER OF TOPSOIL HAS BEEN PLACED. IN CASES WHERE GRADING IS DIRECTED UNDER TREE DRIP LINES NO TOPSOIL STRIPPING SHALL BE PERFORMED WITHIN THESE AREAS. (COST SUBSIDIARY TO EARTHWORK).
- CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE ON HAUL ROAD ROUTES, IF OTHER THAN THOSE INDICATED ON THE PLANS.
- EARTHWORK COMPACTION SHALL BE AT 95% STANDARD DENSITY. BERM COMPACTION SHALL BE AT 90% STANDARD DENSITY. CONTRACTOR SHALL PROVIDE TEST RESULTS TO CONFIRM COMPACTION.
- REMOVAL OF EXISTING DRIVES, PAVEMENT, STRUCTURES, AND DEBRIS SHALL BE SUBSIDIARY TO SITE CLEARING AND RESTORATION. DEBRIS IF CRUSHED INTO SMALL PIECES MAY BE WASTED ON SITE UNDER THE PROPOSED BERMS. THERE SHALL BE A MINIMUM OF 3" OF SOIL COVER. CONCRETE DEBRIS MAY ALSO BE WASTED ON SITE IN PROPOSED PONDS AS FISH HABITATS. COORDINATE WITH OWNER'S REPRESENTATIVE.
- 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.



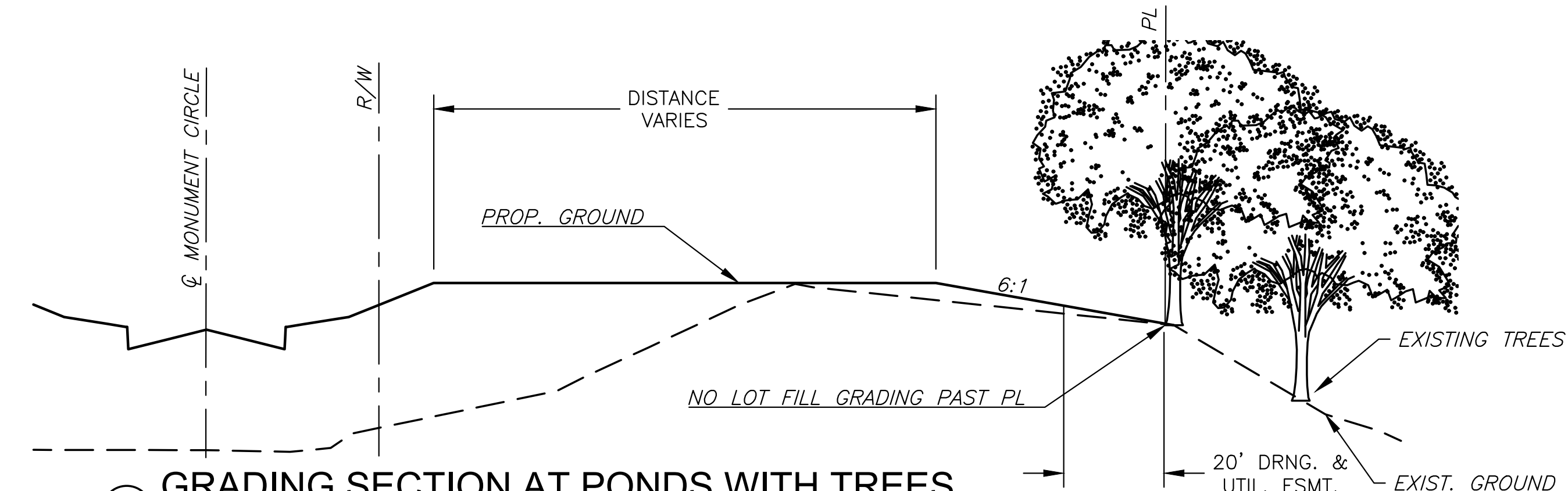
1 TYPICAL ROAD CROSS SECTION DETAIL
NTS

GENERAL PAVEMENT SECTION DIMENSIONS:

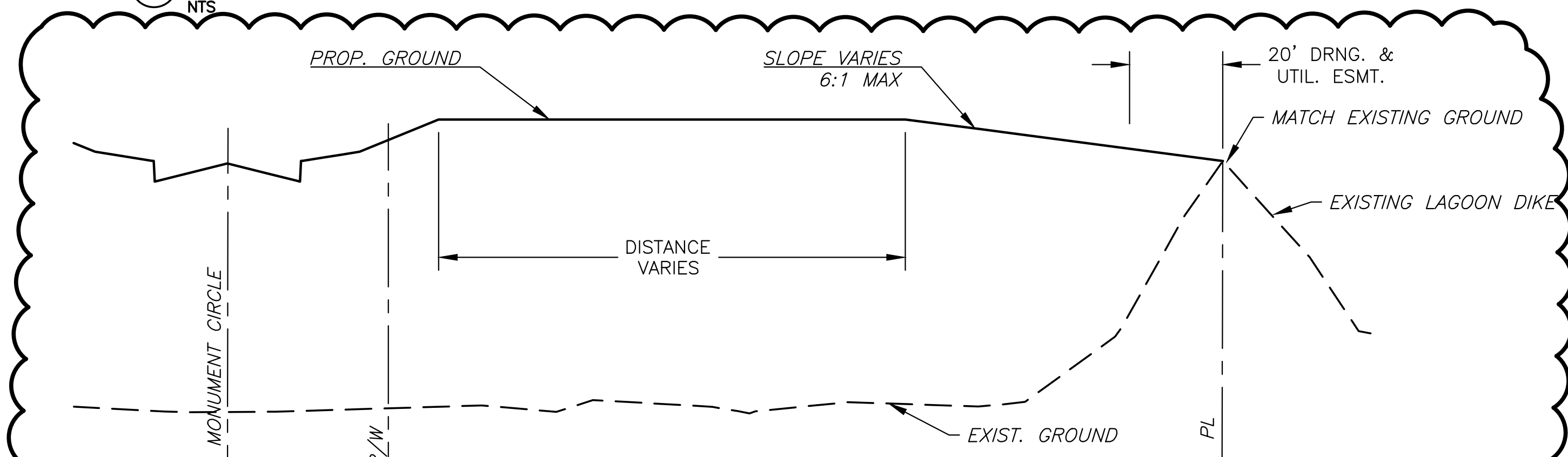
RESIDENTIAL ADDITION	
1. MONTECITO	6 INCH ASPHALT PAVING ON 5 INCH CRUSHED ROCK BASE
2. VERONA CIRCLE	5 INCH ASPHALT PAVING ON 5 INCH CRUSHED ROCK BASE
3. OTHER RESIDENTIAL STREETS	5 INCH ASPHALT PAVING ON 5 INCH CRUSHED ROCK BASE



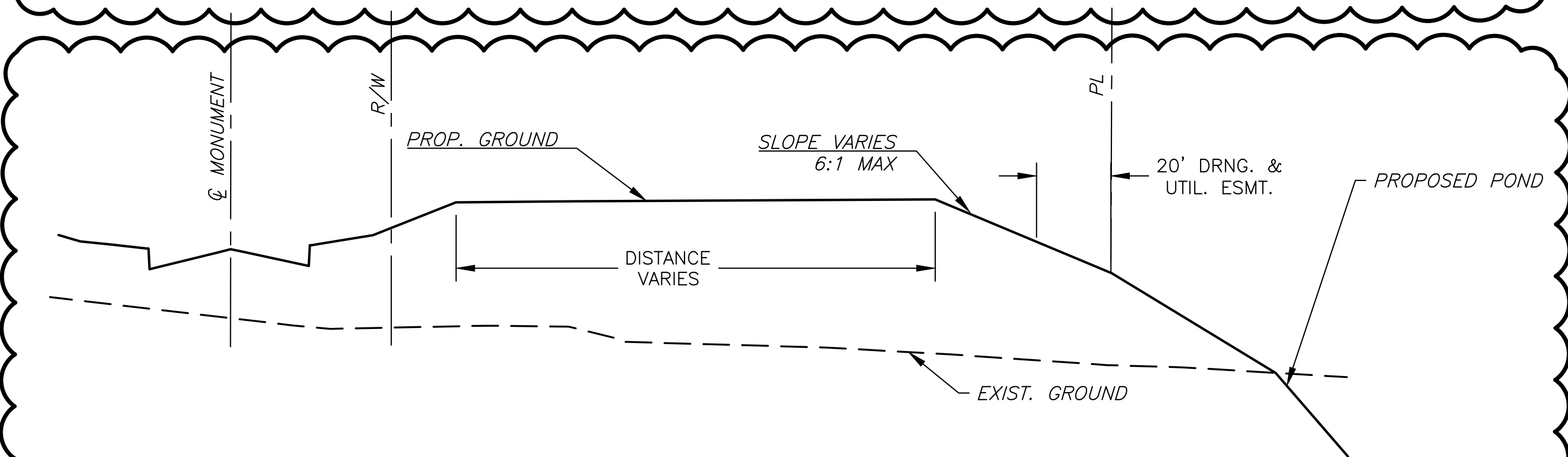
A GRADING SECTION ALONG BERM
NTS



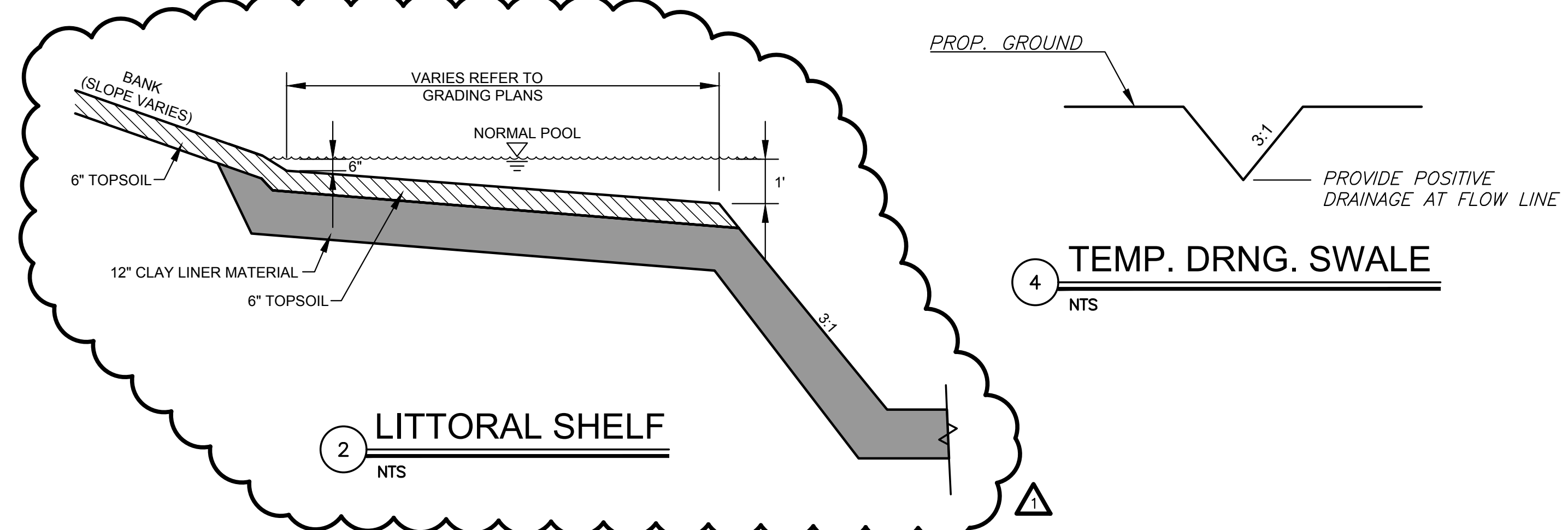
B GRADING SECTION AT PONDS WITH TREES
NTS



C GRADING SECTION AT LAGOON AREA
NTS

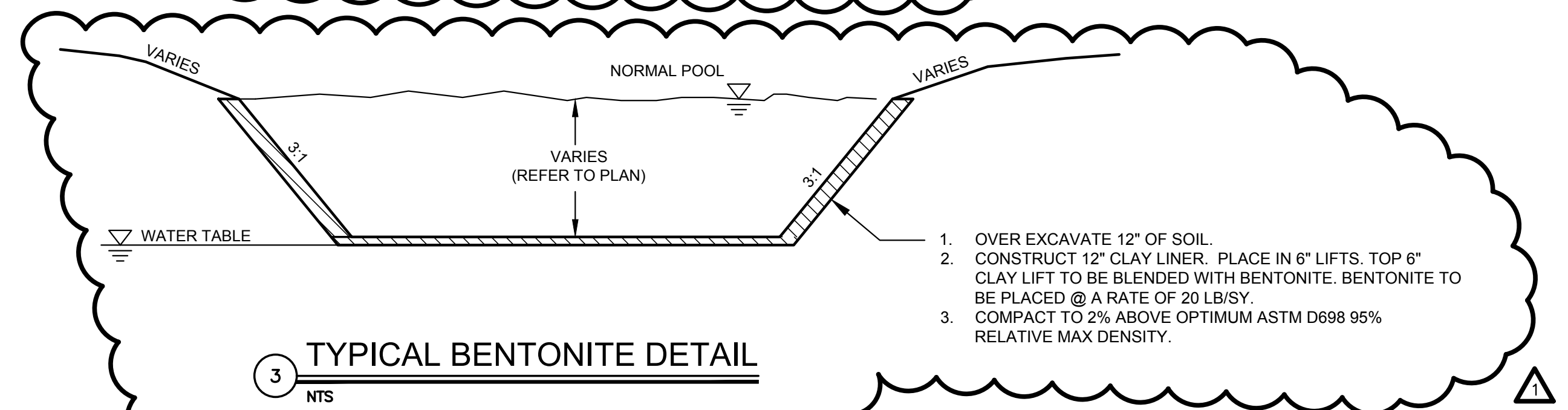


D GRADING SECTION AT EDGE (BLOCK 1, LOTS 43-52)
NTS



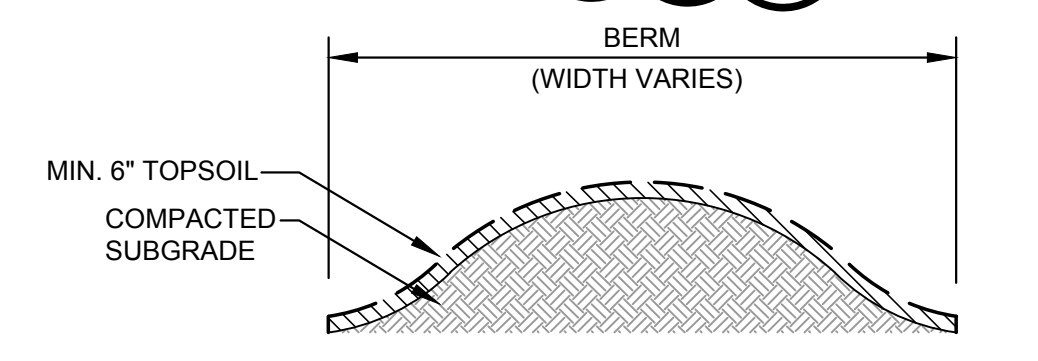
2 LITTORAL SHELF
NTS

4 TEMP. DRNG. SWALE
NTS



3 TYPICAL BENTONITE DETAIL
NTS

NOTE:
1. CONTRACTOR SHALL USE CHOICE MATERIAL FOR CLAY LINER >PI-16.
2. PERMEABILITY TEST OF THE IN PLACE LINER MATERIAL SHALL BE PERFORMED BY A GEOTECHNICAL SOILS ENGINEER AT LOCATIONS DETERMINED BY THE PROJECT INSPECTOR (2 TEST PER POND). THE CLAY LINER MATERIAL SHALL MEET OR EXCEED A PERMEABILITY RATING VALUE OF 1×10^{-6} CM/SEC. ALL COST ASSOCIATED WITH THIS WORK SHALL BE SUBSIDIARY TO EARTHWORK ITEMS.



5 TYPICAL BERM SECTION
NTS

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GRADING DETAILS

PROJECT NO.	468-85308	
DATE	MAY 2018	
SCALE	AS SHOWN	
DESIGNED	DRAWN	CHECKED
DFL	ABW	DFL
NO.	REVISION	DATE
1	GRADING CHANGES	08-22-18

J:\PROJECTS\2018\1601010221_PERFECTION_AUBURN_LAKES_16221 CAD\SHIT\505 CIVIL\GRD\16221-05-1180.DWG
 PLOTTED: Friday, June 15, 2018 @ 10:55AM