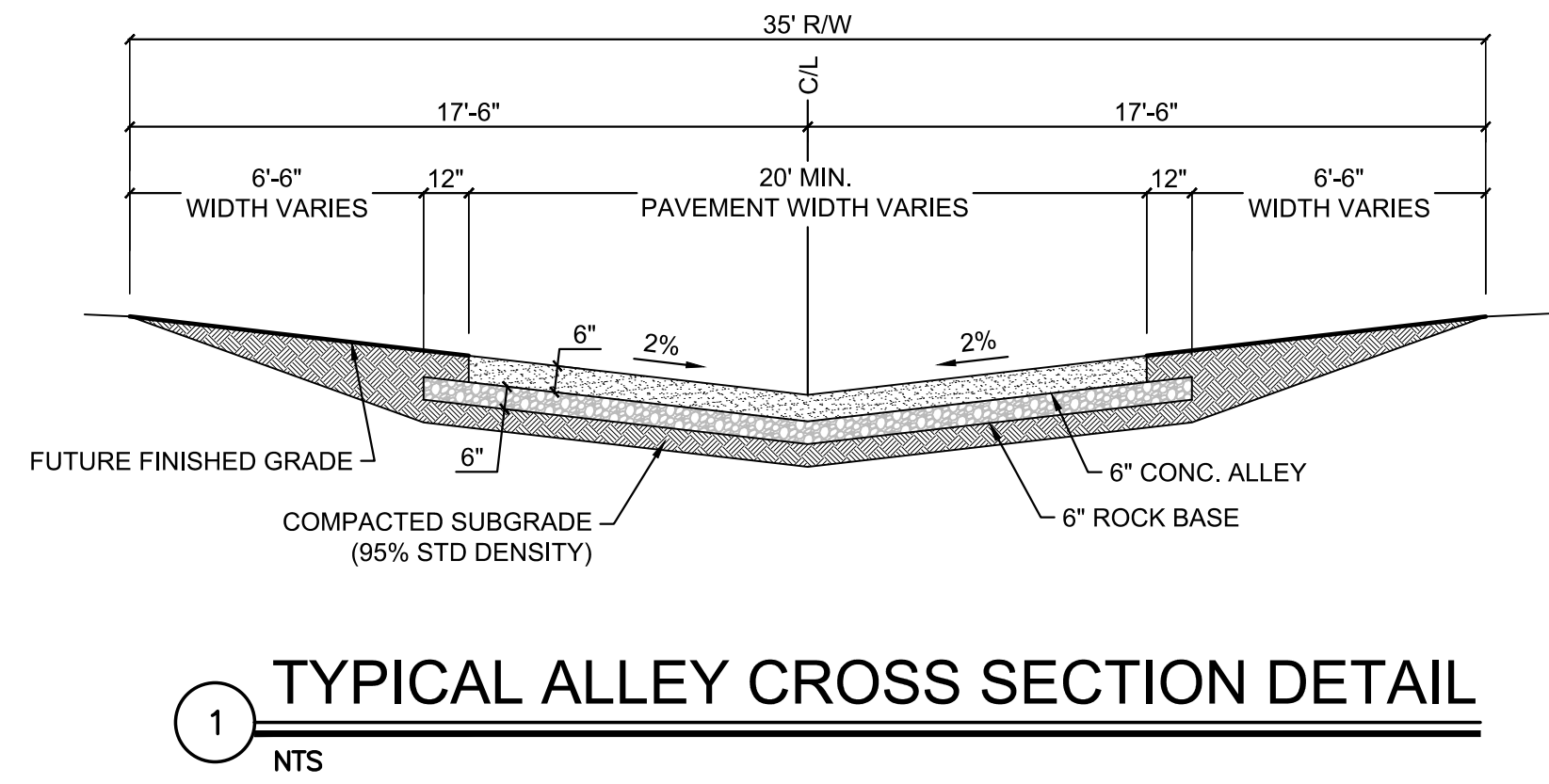


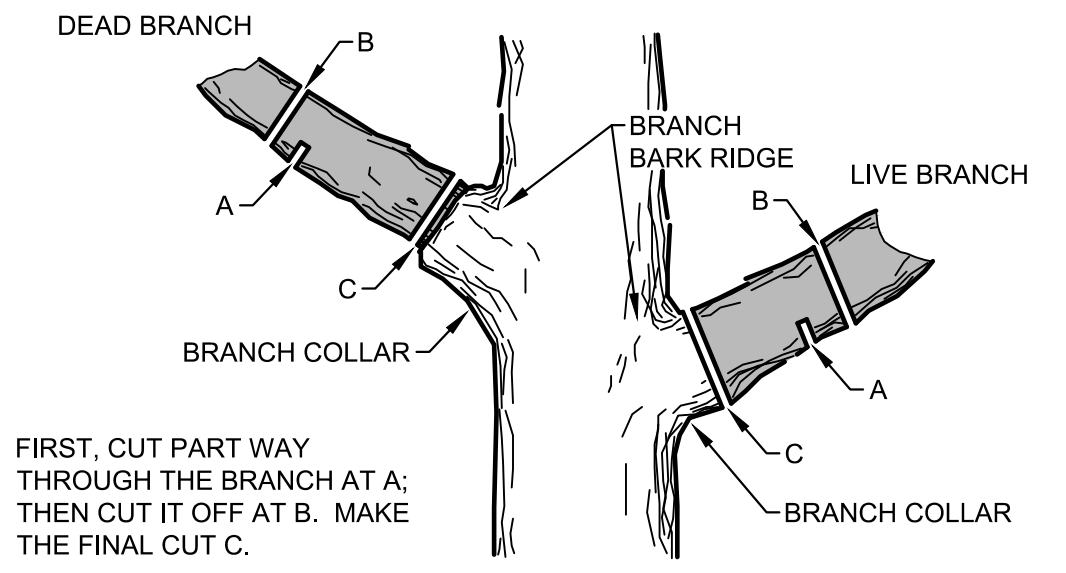
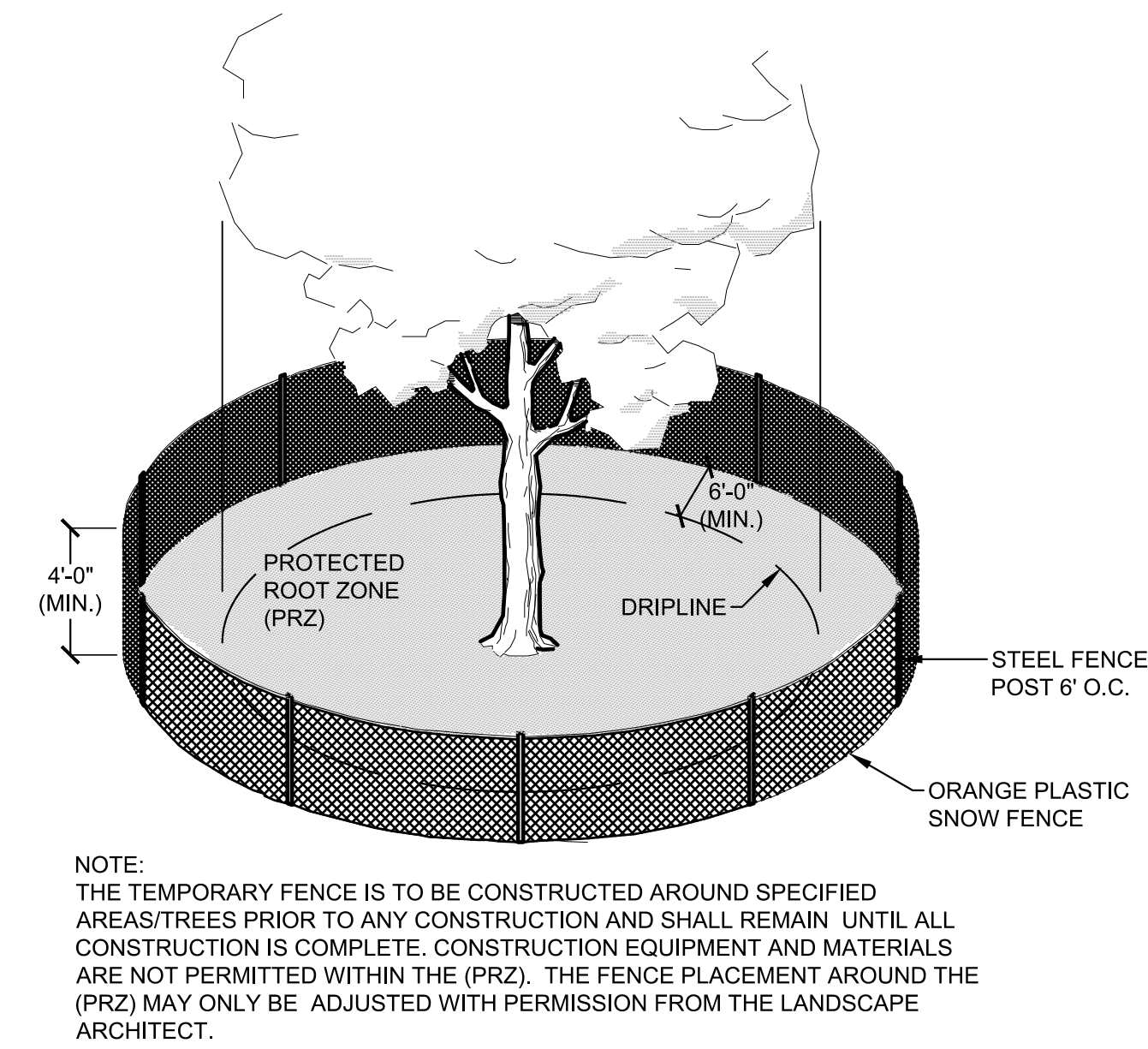
GENERAL GRADING NOTES

- 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.
- 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 ERRECTED 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 SAVED BACK FOR TOPSOIL REPLACEMENT. 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).
TOPSOIL PLACEMENT DEPTH
NEIGHBORHOOD LOTS - 4 INCHES
STREET R/W - 0 INCHES
BERMS - 12 INCHES PLUS
- CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE ON HAUL ROAD ROUTES, IF OTHER THAN THOSE INDICATED ON THE PLANS.
- 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.
- A DENSITY TEST FOR EVERY LOT PER EACH FOOT OF FILL MATERIAL PLACED SHALL BE PERFORMED ON ALL LOTS. COMPACTION TESTING EXPENSES WILL BE COVERED BY THE CONTRACTOR. (COORDINATION EFFORT SHALL BE SUBSIDIARY TO PROJECT).
- THE CONTRACTOR WILL BE REQUIRED TO PROVIDE COMPACTION TESTING FOR ENTIRE PROJECT THROUGH THE CITY'S CERTIFIED TESTING LAB. THE FREQUENCY OF TESTING SHALL BE ONE SITE PER LOT PER FOOT OF FILL.



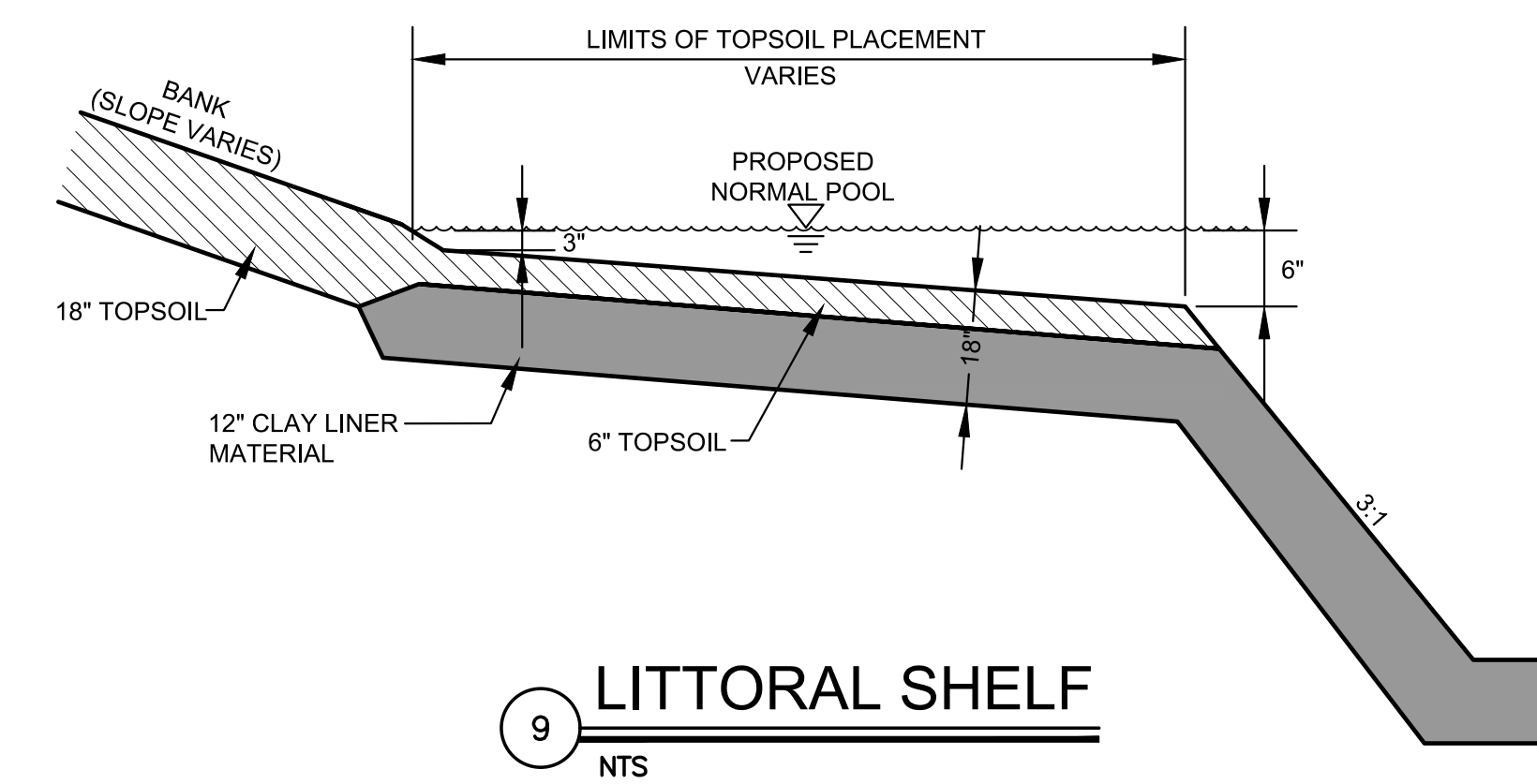
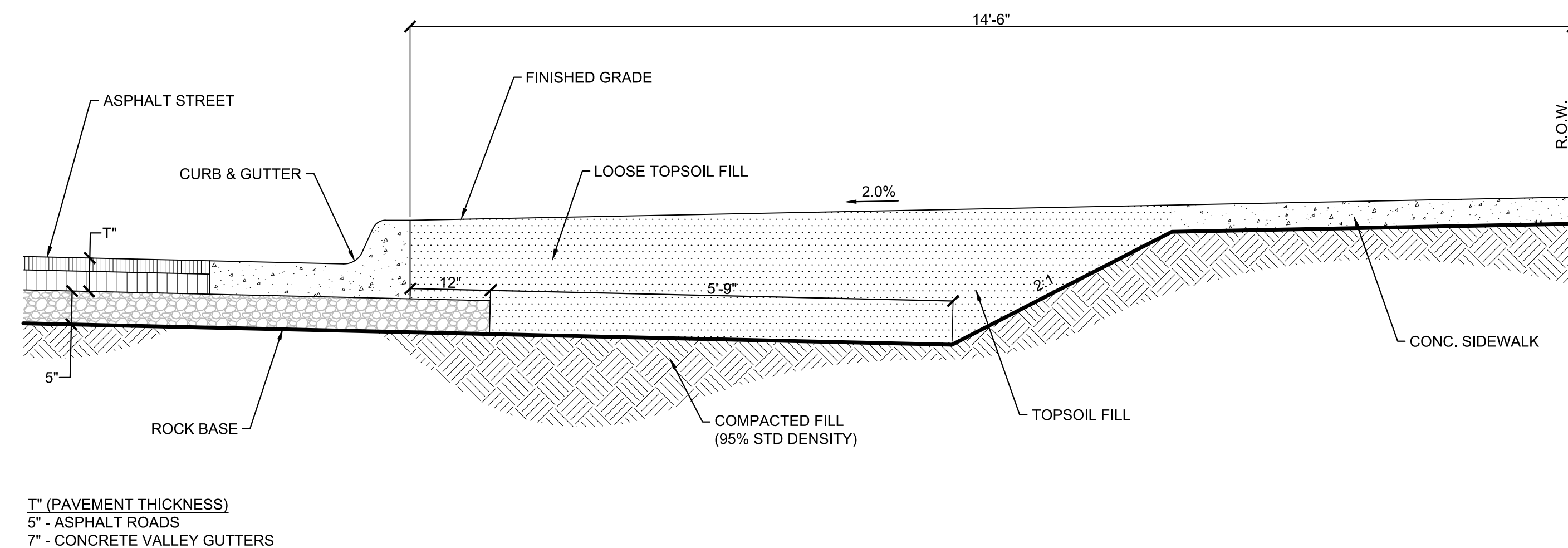
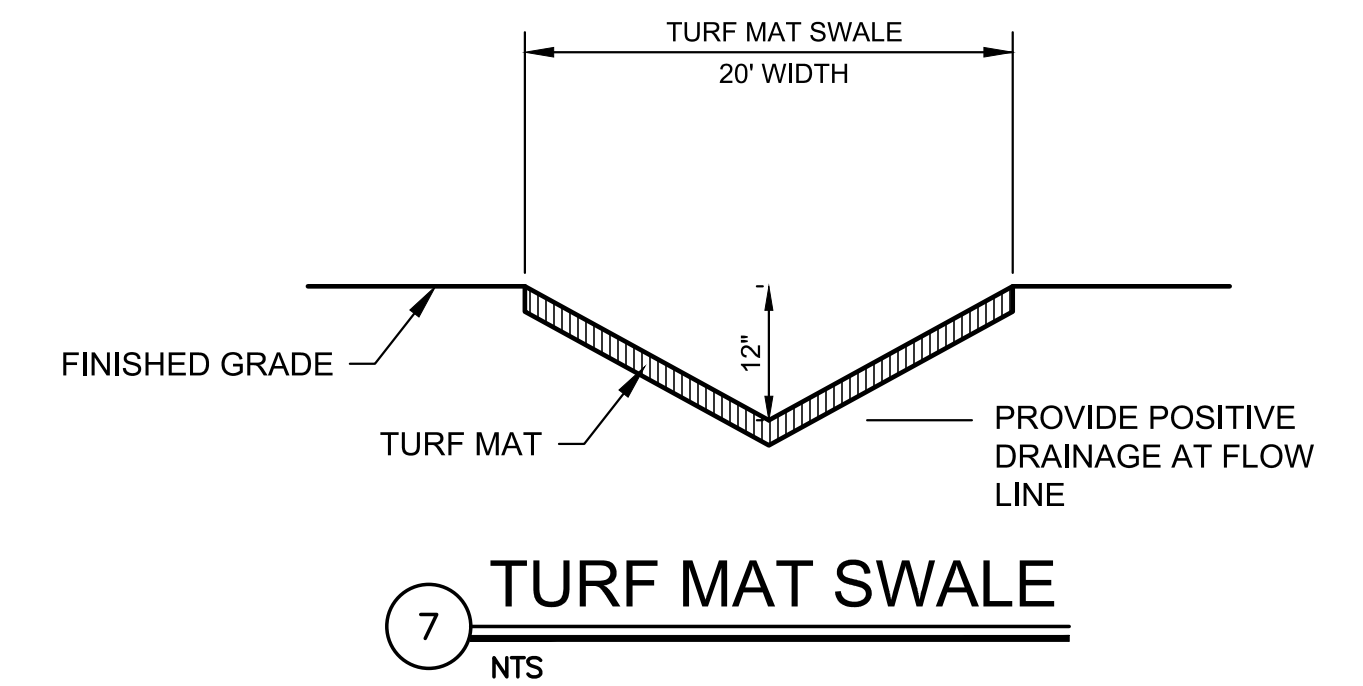
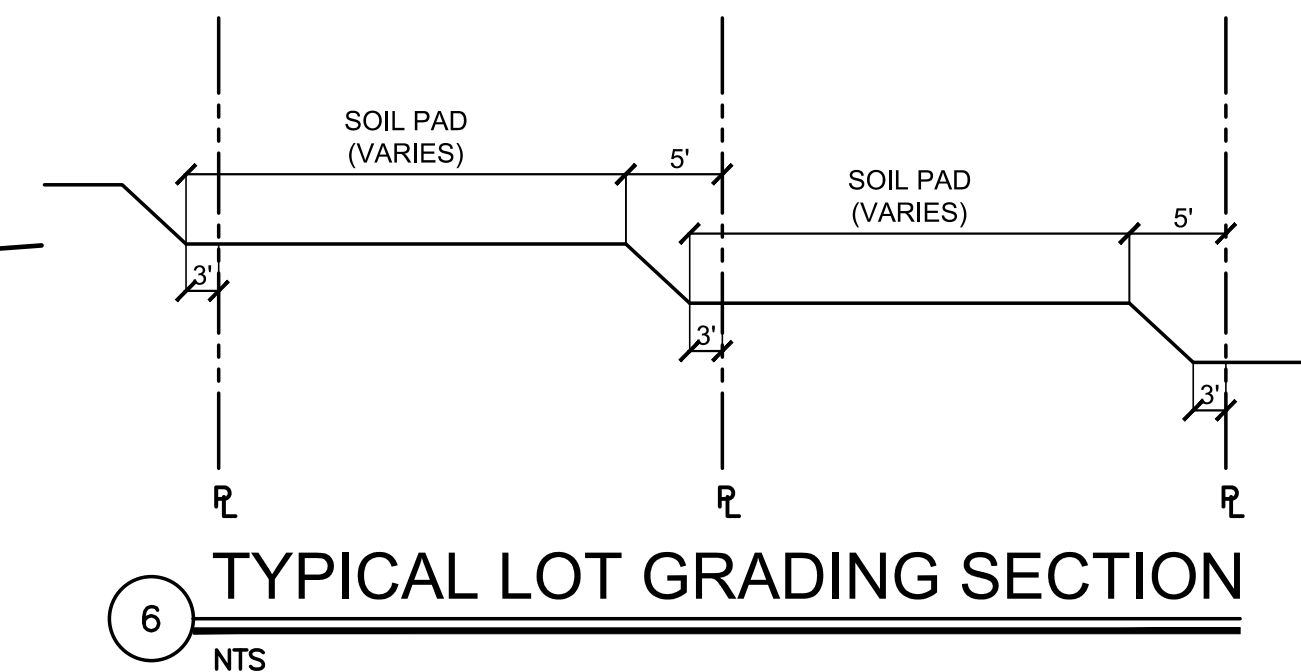
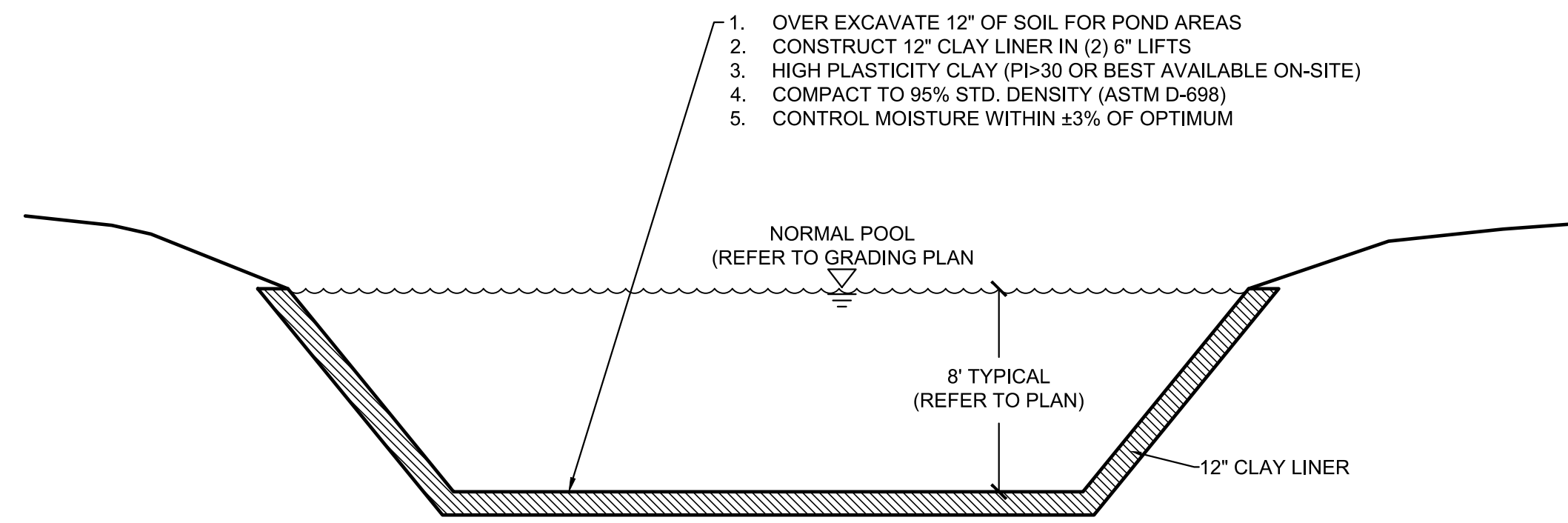
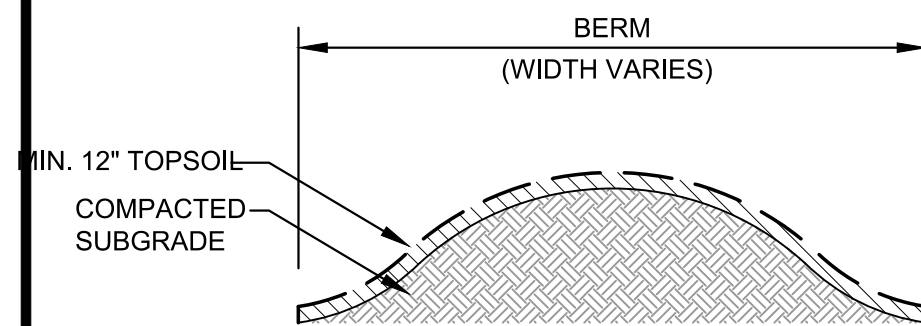
NOTE:

PERMEABILITY TESTS OF THE LINER MATERIAL SHALL BE PERFORMED BY A GEOTECHNICAL SOILS ENGINEER AT 2 RANDOM LOCATIONS PER POND AS DETERMINED BY THE PROJECT INSPECTOR AND AT THE CONTRACTOR'S EXPENSE. THE CLAY LINER MATERIAL SHALL MEET OR EXCEED A PERMEABILITY RATING VALUE OF 1.0×10^{-10} CM/SEC.



TREE TRIMMING NOTES:

- 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.
- TREES MAY BE BURNED ON SITE. REGULATORY & PERMITTING APPROVALS SHALL BE SECURED BY CONTRACTOR.
- TRIMMING OF BRANCHES SHALL NOT BE DONE WITH A BACKHOE!



GRADING DETAILS

PROJECT NO.	458-2023-085532	
DATE	JULY 2023	
SCALE	NTS	
DESIGNED	DML	
DRAWN	DML	
CHECKED	SPE	
NO.	REVISION	DATE

SHEET NO.