

**TREE CARE NOTES**

**PRUNING**

1. ALL TREE PRUNING AND REMOVAL PERFORMED SHALL BE EXECUTED BY A COMPANY, HAVING IN FULL-TIME EMPLOYMENT, A CERTIFIED ARBORIST. PRUNING SHALL BE PERFORMED TO THE STANDARDS OF THE INTERNATIONAL SOCIETY OF ARBORISTS PRUNING GUIDELINES, AND TO ANSI A-300.
2. TREE PRUNING SHALL BE PERFORMED TO BALANCE THE CROWN AND ELIMINATE HAZARDS. THE MAIN WORK PERFORMED SHALL BE TO REDUCE THE SAIL EFFECT THROUGH THINNING, REDUCING END HEIGHTS, SHORTENING LONG HEAVY LIMBS, REMOVING DEADWOOD, WEAK LIMBS AND SUCKER GROWTH. LIMBS SHALL BE PRUNED BACK TO AN APPROPRIATE LATERAL BRANCH.

**ROOT PRUNING**

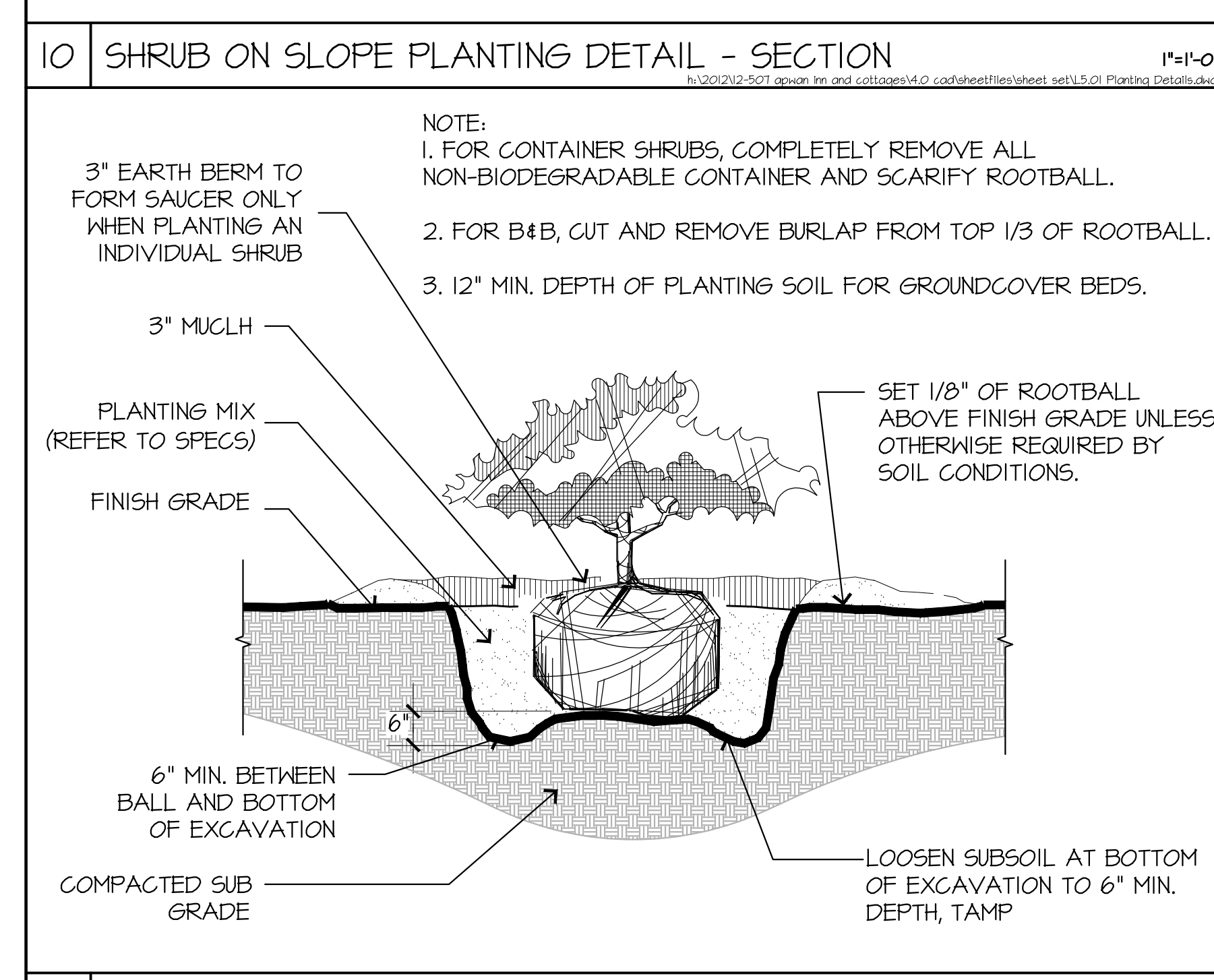
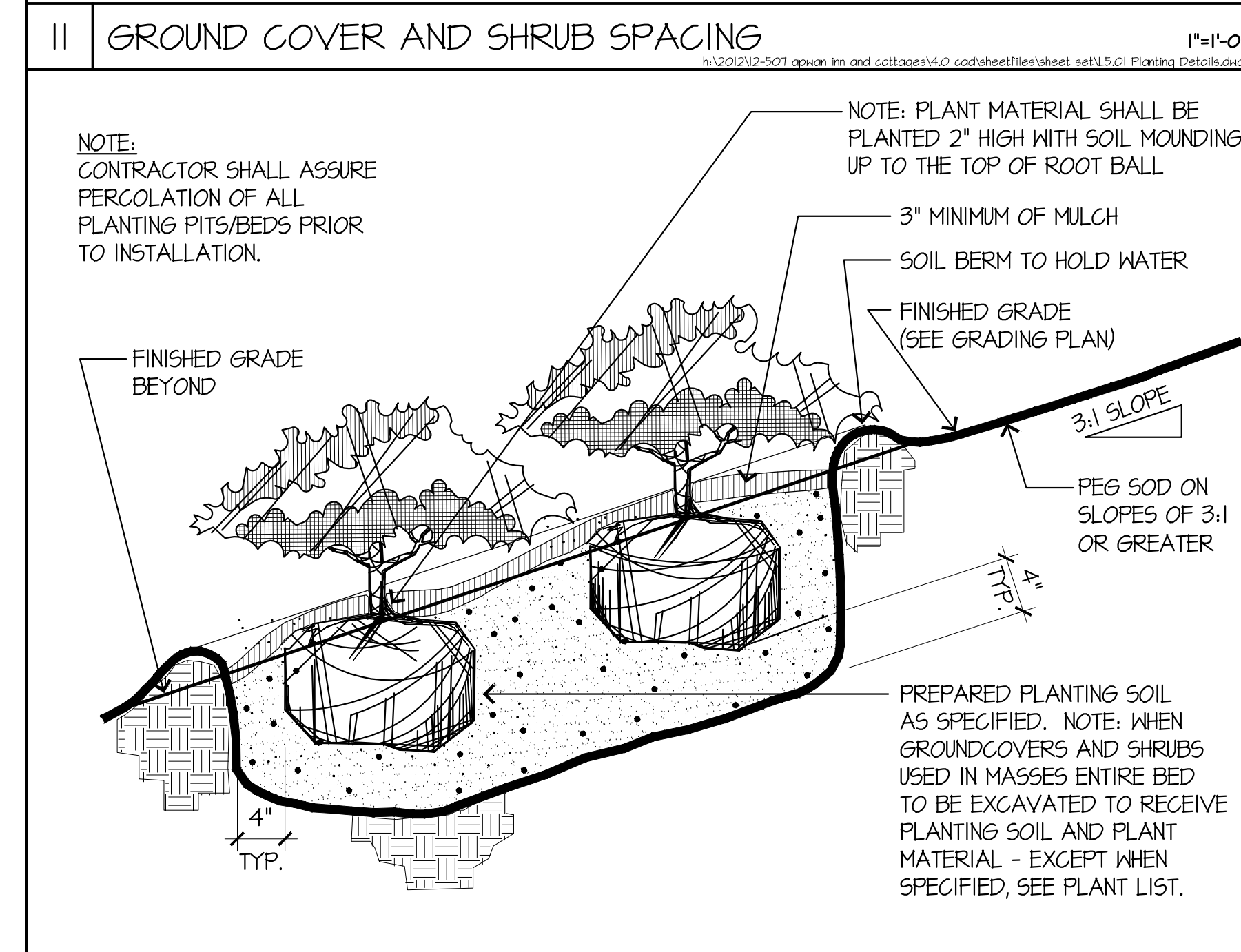
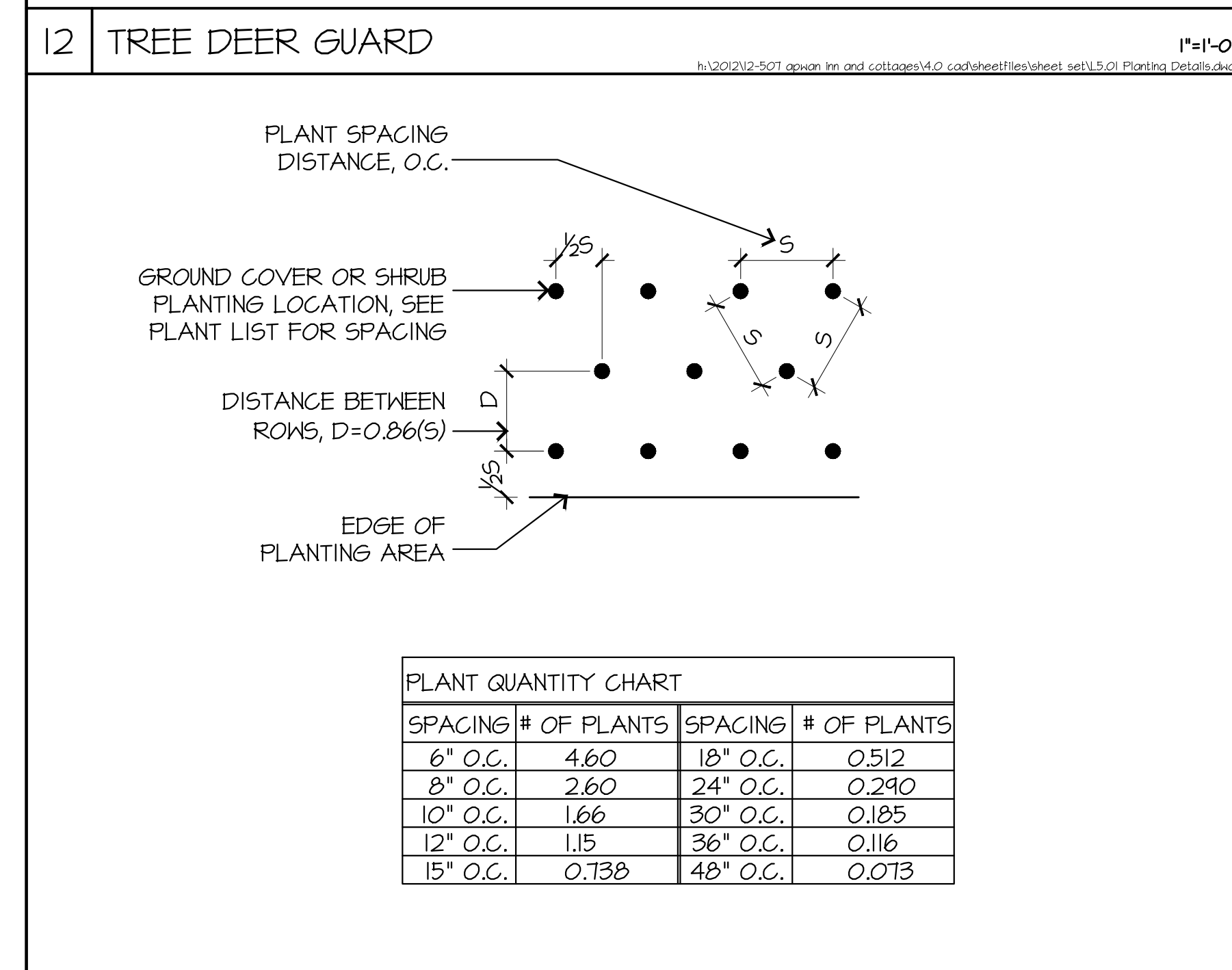
1. TREE ROOTS SHOULD BE ROOT PRUNED TO AVOID TEARING AND SHREDDING BY GRADING EQUIPMENT. ROOT PRUNING SHALL BE TO A DEPTH OF 18". THE CONTRACTOR SHALL TRENCH AROUND THE TREE BEYOND THE EDGE OF THE TREE PROTECTION AREA AND THEN CLEAR THE SOIL BY HAND TO THE EDGE OF THE TREE PROTECTION AREA AND HAND PRUNE THE ROOTS. ROOTS SHALL BE CUT CLEANLY, AS FAR FROM THE TRUNK OF THE TREE AS POSSIBLE.
2. TRENCHING SHALL BE PERFORMED USING A VERMEER TRENCHING MACHINE OR VIBRATORY PLOW OR EQUIVALENT. ROOT PRUNING SHALL BE COMPLETED PRIOR TO BASE OR SUBGRADE PREPARATION, OR TO ANY EXCAVATION ADJACENT TO THE TREE.
3. EXCAVATION IN AN AREA WHERE ROOTS ARE PRESENT SHALL NOT CAUSE THE TEARING OR RIPPING OF TREE ROOTS. ROOTS MUST FIRST BE CLEANLY SEVERED PRIOR TO CONTINUING WITH THE EXCAVATION, OR TUNNELED AROUND TO PREVENT DAMAGE TO THE ROOT.
4. AT SITES WHERE ROOT PRUNING OR EXCAVATION HAS TAKEN PLACE NEAR TREES TO REMAIN, AND MANY LIVING ROOTS REMAIN EXPOSED TO THE AIR, THE CONTRACTOR SHALL COVER THE EXPOSED ROOTS WITHIN 2 HOURS WITH SAND, SOIL, OR MOIST BURLAP. TREE ROOTS SHALL NOT REMAIN EXPOSED TO DRYING OUT. ROOT ENDS SHALL BE COVERED WITH SOIL OR BURLAP AND KEPT MOIST UNTIL THE FINAL BACKFILL OR GRADE IS ESTABLISHED.

**TREE PROTECTION**

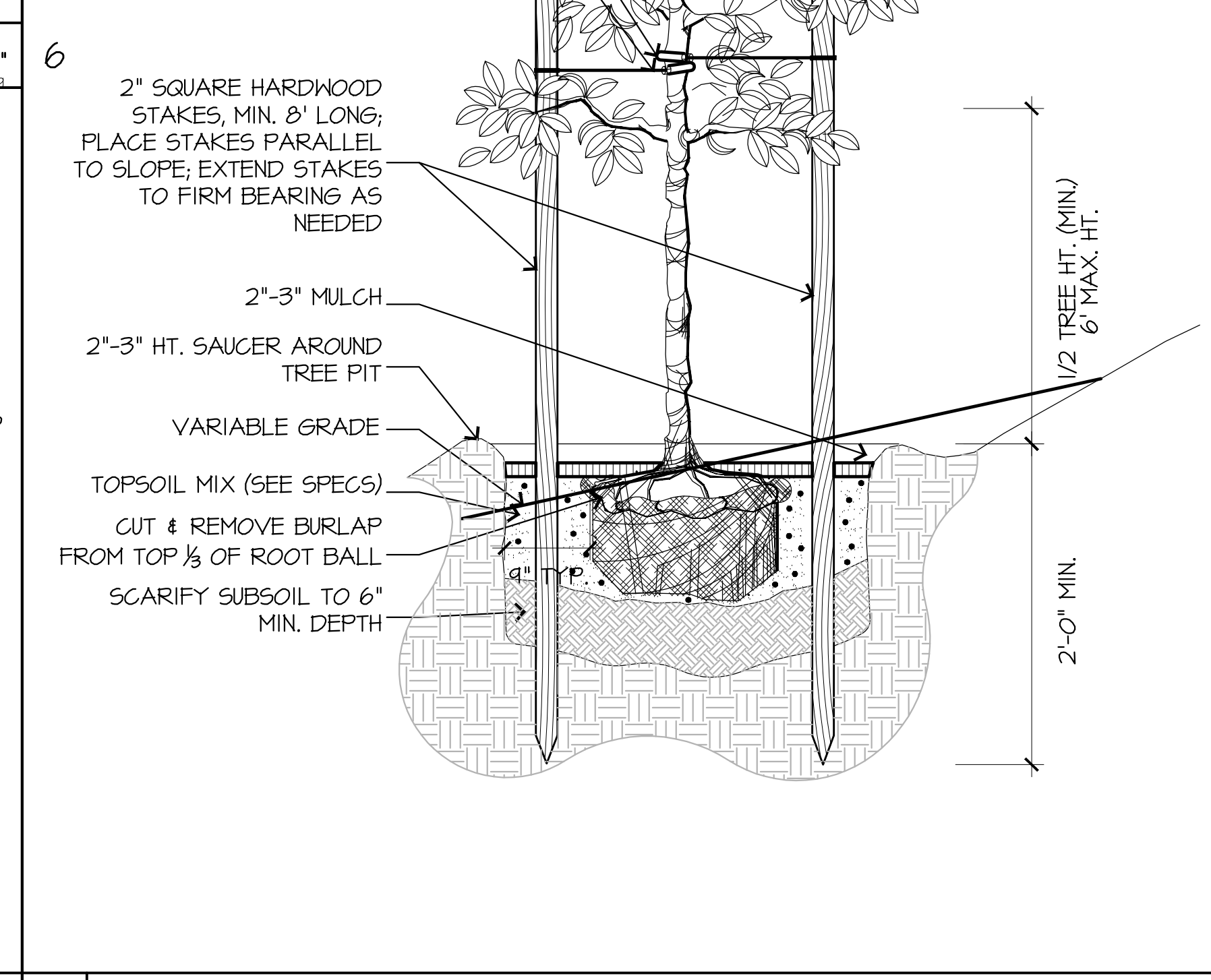
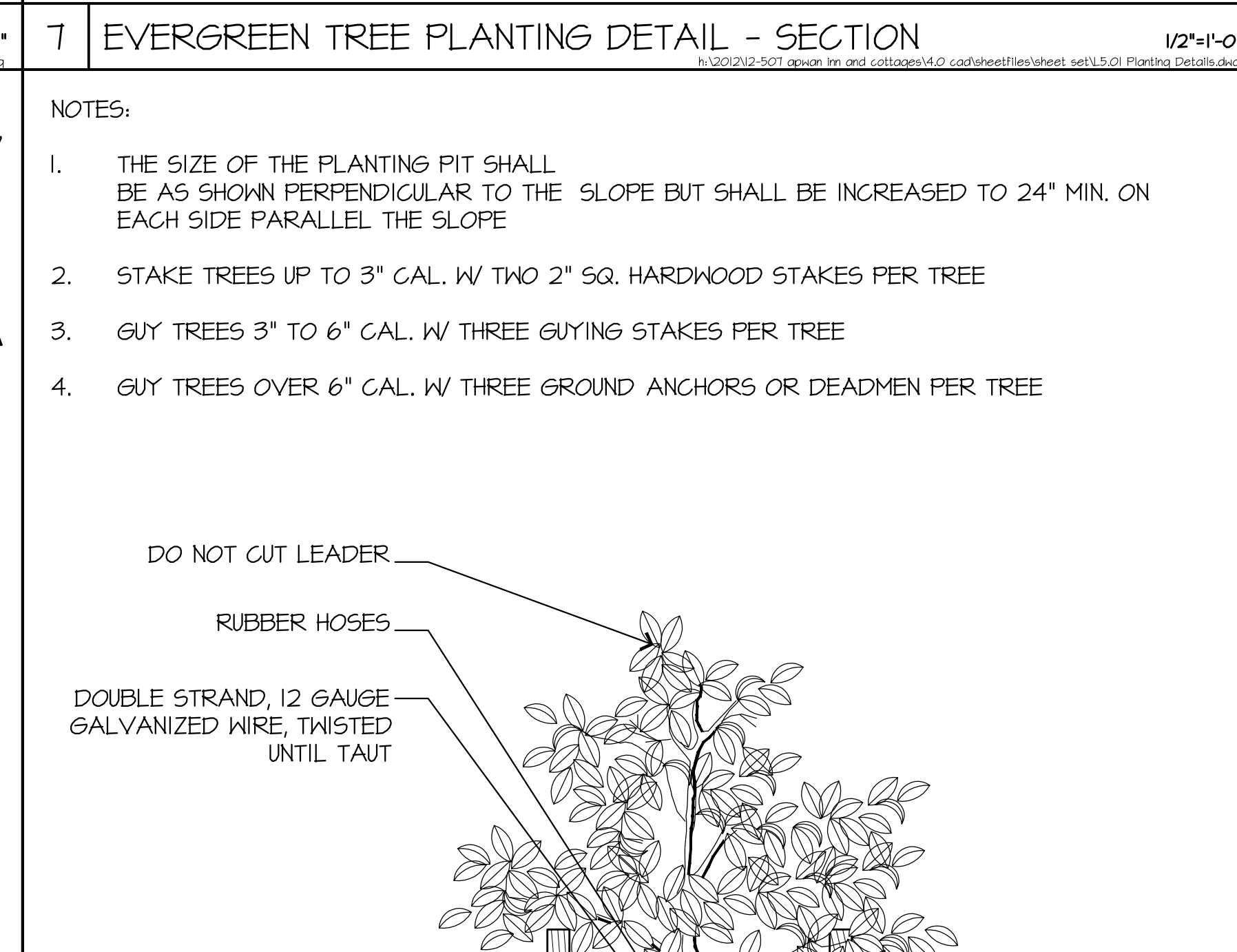
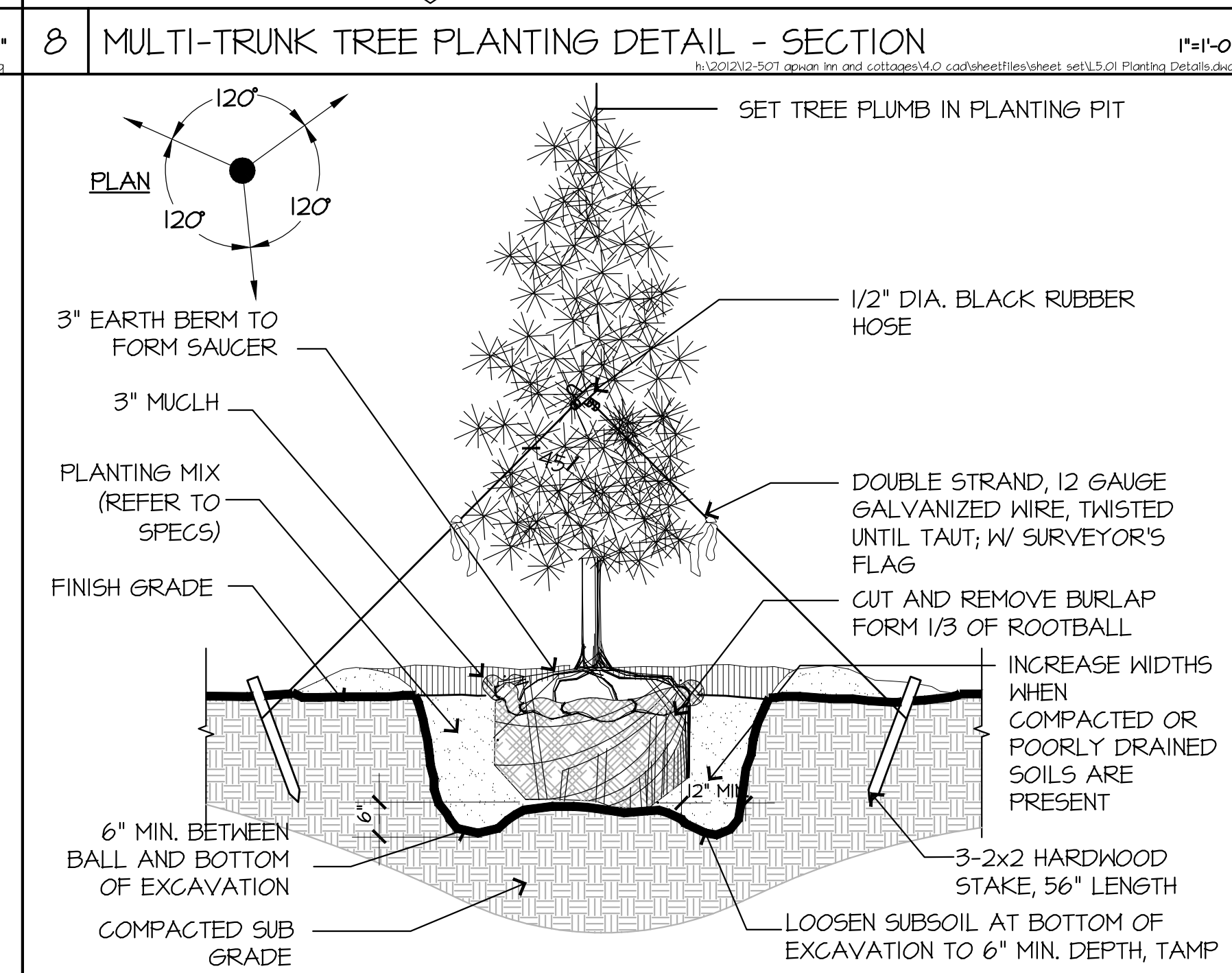
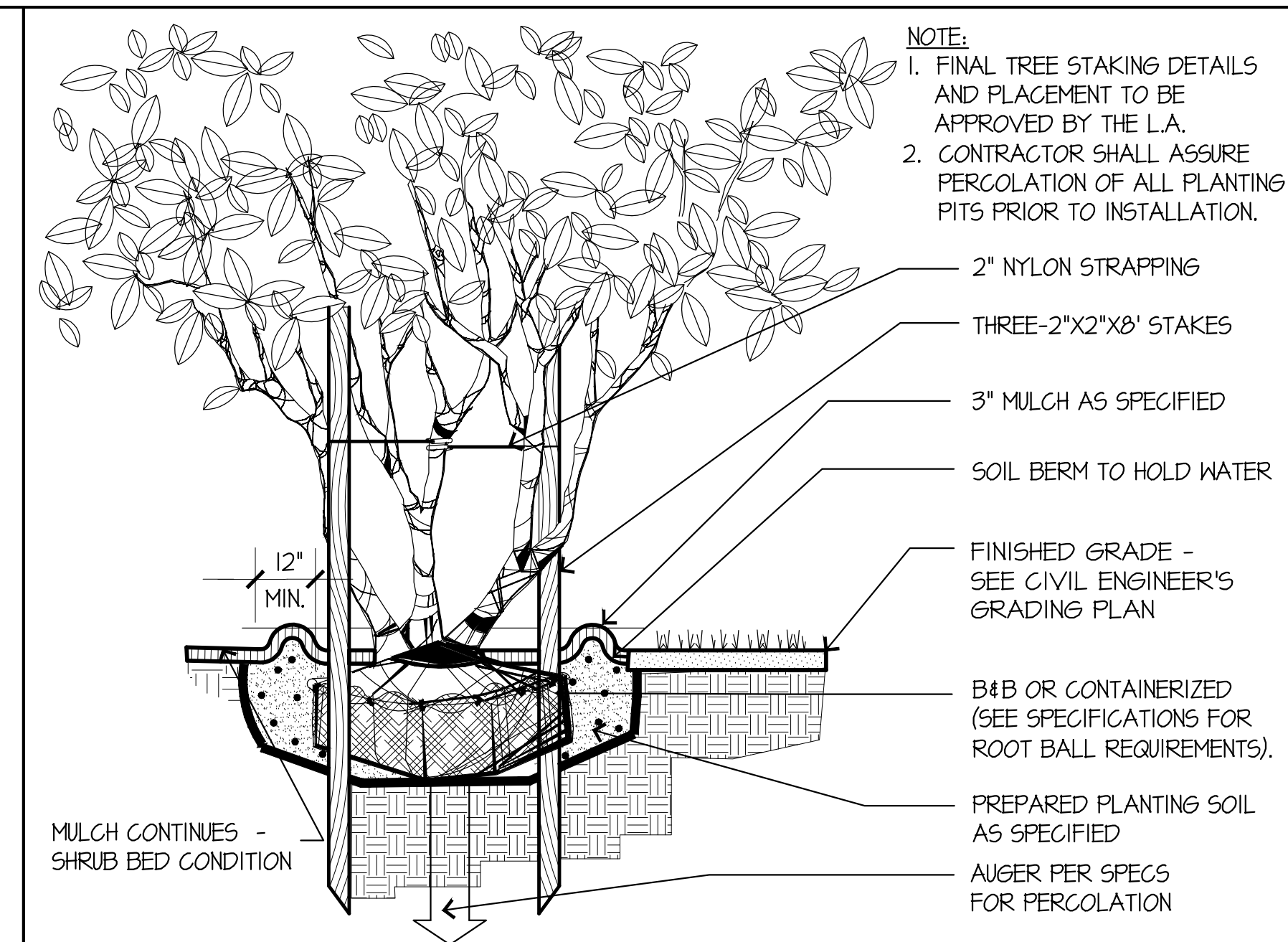
1. CONSTRUCTION MATERIALS, DEBRIS, AND SUPPLIES SHALL NOT BE STORED WITHIN THE DRIP LINE OR PROTECTIVE FENCING AREA UNDER ANY TREE. VEHICLES UNDER ANY TREE SHALL NOT BE PARKED WITHIN THE DRIP LINE OR PROTECTIVE FENCING AREA.
2. WOODCHIPS OR ANOTHER CUSHIONING SURFACE MATERIAL APPROVED BY THE LANDSCAPE ARCHITECT SHALL BE PLACED OVER AREAS WHERE ROOTS ARE PRESENT AND CONSTRUCTION TRAFFIC OCCURS. CUSHIONING MATERIALS SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.
3. WHERE CALLED FOR ON THE PLANS, PLACE STORM FENCE OR OTHER APPROVED PROTECTIVE BARRIERS AROUND EXISTING TREES TO REMAIN BEFORE ANY CONSTRUCTION BEGINS AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETE.

**PLANTING NOTES**

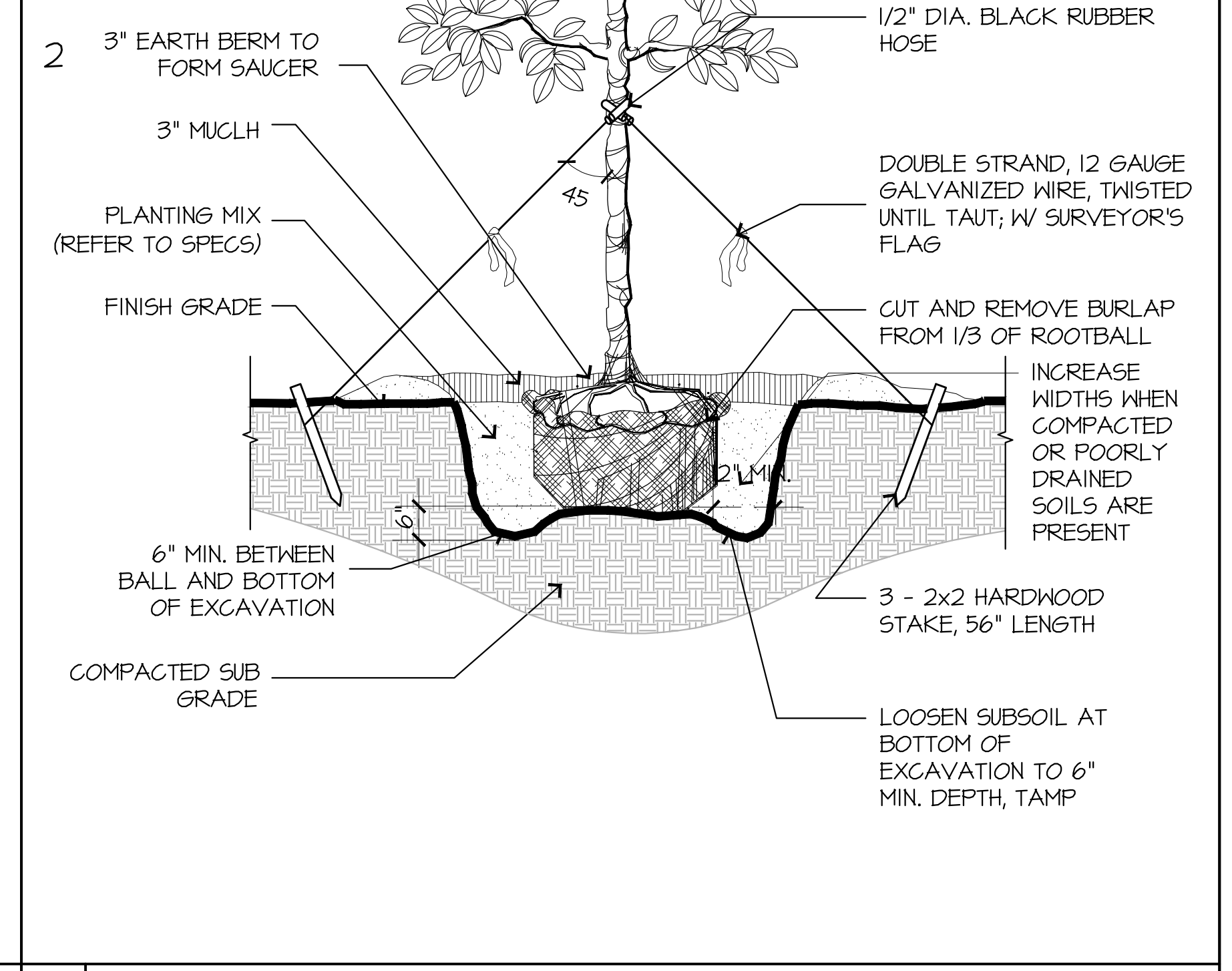
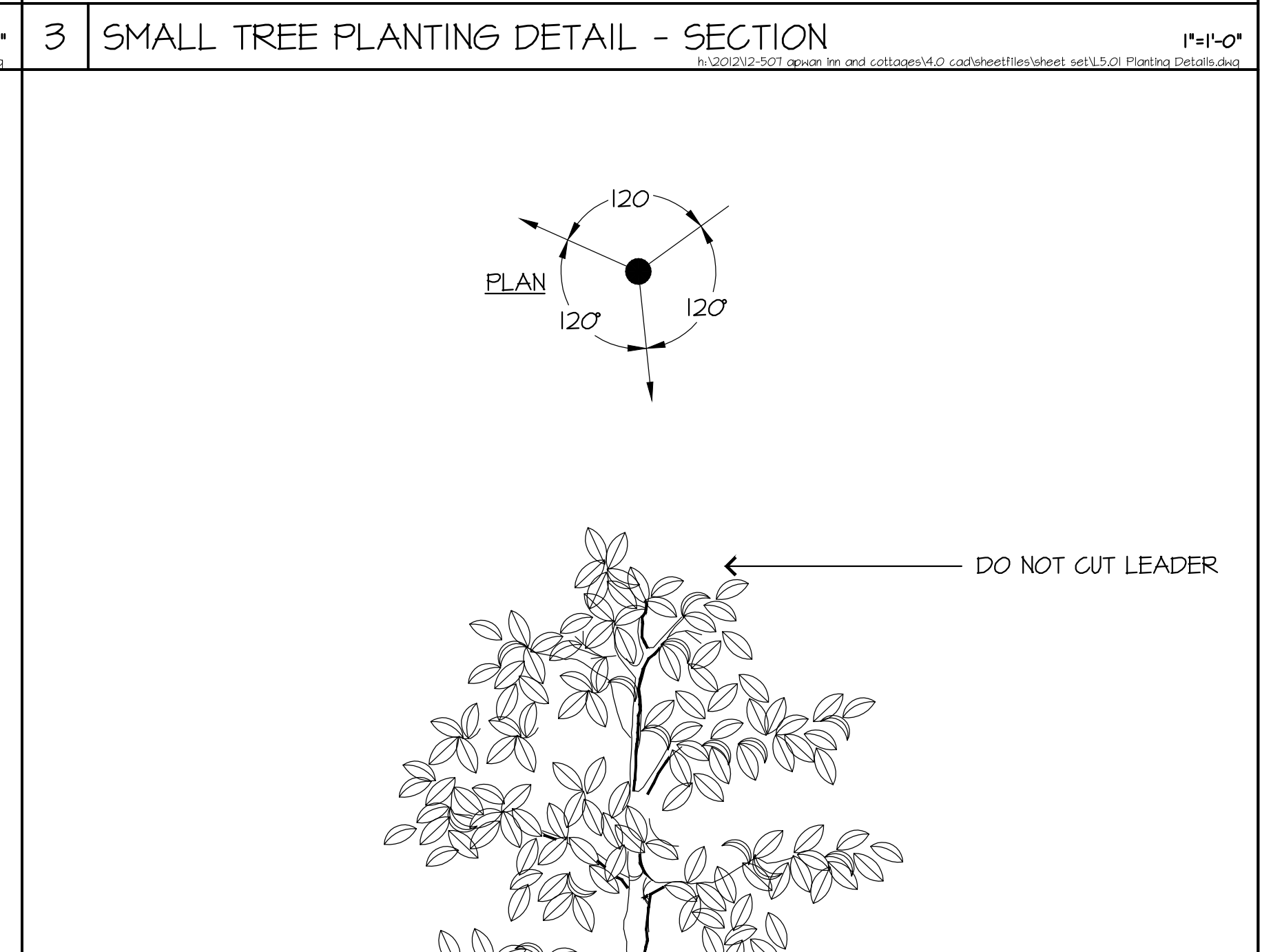
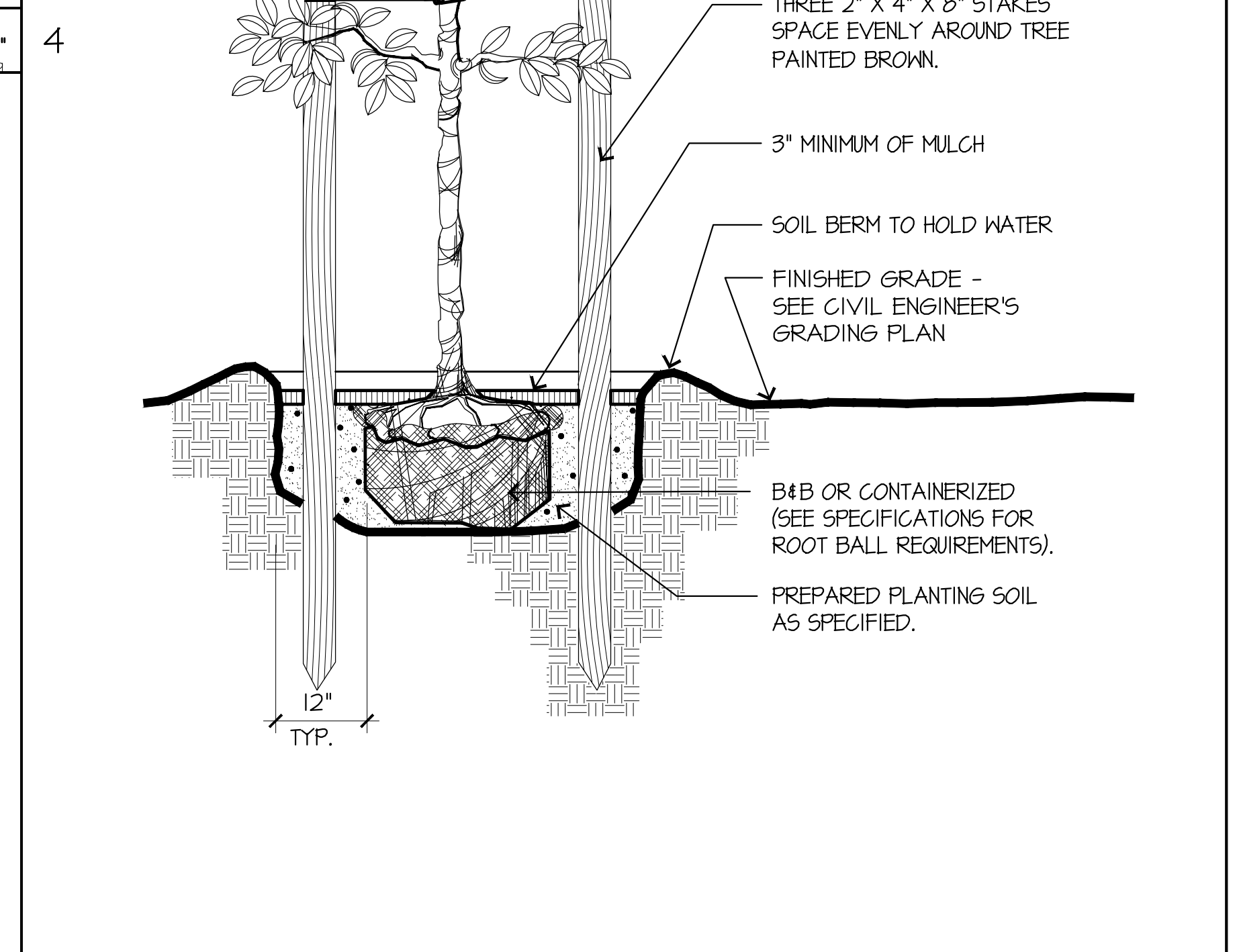
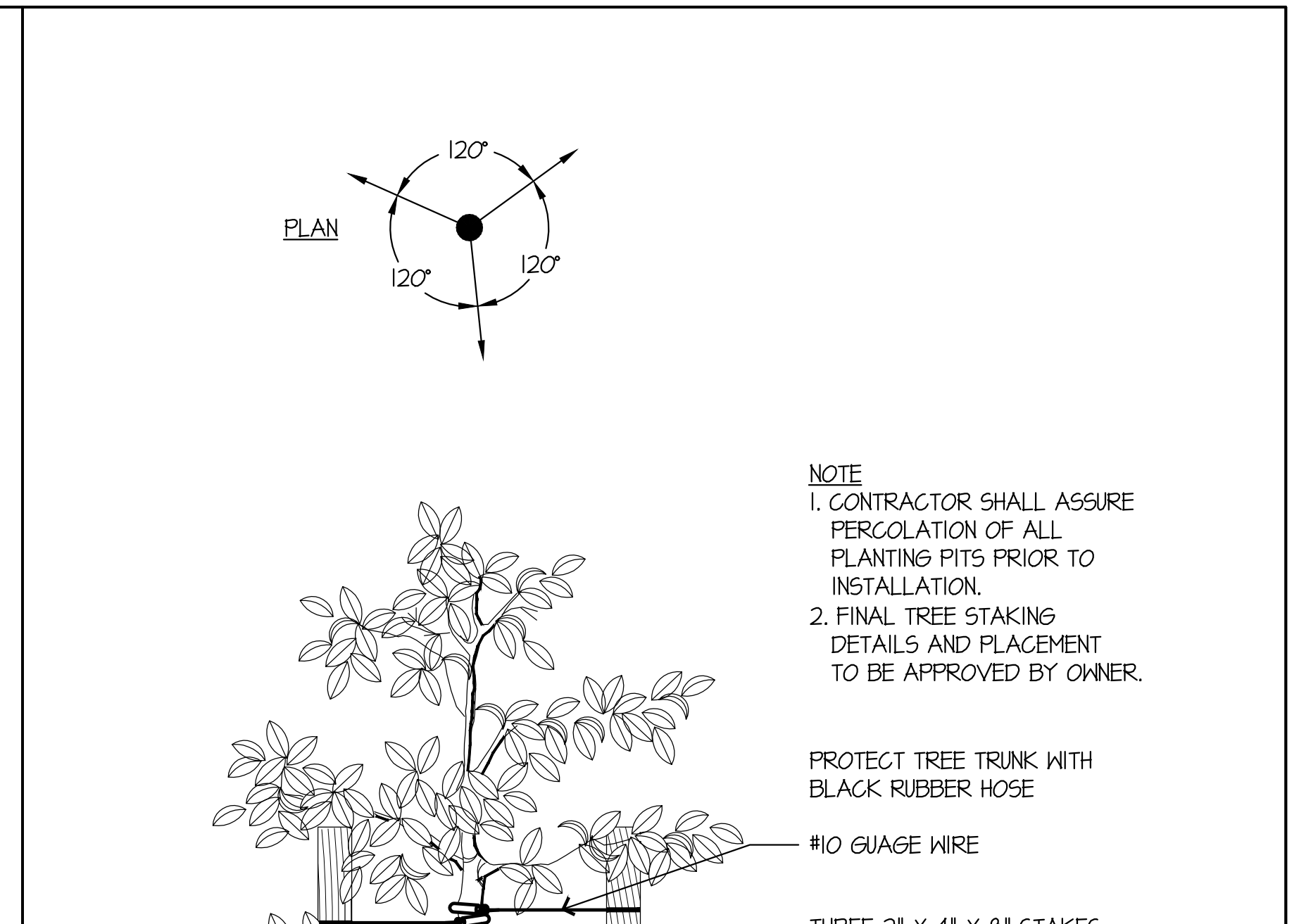
1. LANDSCAPE CONTRACTOR SHALL REVIEW FINAL PLANTING DESIGN CONCEPT WITH HART HOWERTON FOR ALL PLANTING AND IRRIGATION BEFORE INSTALLATION BEGINS. LANDSCAPE CONTRACTOR SHALL ALSO COMPLY WITH THE GENERAL PLANTING NOTES OUTLINED BELOW.
2. OWNER'S REPRESENTATIVE TO SELECT AND PRE-APPROVE ALL TREES.
3. LARGE AND MEDIUM TREES PLANTED WITHIN TEN FEET OF THE PROPERTY LINE, UTILITY BASEMENT, BUILDING, OR SITE WALL WILL REQUIRE A 36" DEEP ROOT BARRIER.
4. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK. CONTACT SITE OFFICE A MINIMUM 12 HOURS PRIOR TO STARTING WORK.
5. REMOVE ALL DEBRIS LARGER THAN 2" DIAMETER FROM PLANTING BEDS.
6. MULCH: USE ASPE BARK MULCH FROM SITE CLEARED MATERIAL.
7. CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, AND THE PERFORMANCE OF ALL OPERATIONS NECESSARY TO COMPLETE THE PLANTING OF TREES, SHRUBS, GROUND COVERS, VINE PLACEMENT, LAWN AND EROSION CONTROL.
8. ALL PLANT MATERIALS SHALL BE OF THE QUALITY AND SIZE APPROVED BY OWNER'S REPRESENTATIVE. THE 'AMERICAN STANDARDS FOR NURSERY STOCK GUIDELINE' TO BE USED AS A GUIDE FOR QUALITY & SIZE OF PLANT MATERIAL.
9. INSTALL ALL PLANT MATERIALS AS PER PLANTING DETAILS AND PLANTING SPECIFICATIONS. PROVIDE LANDSCAPE ARCHITECT WITH COMPLETE SOILS ANALYSIS PRIOR TO PLANTING TO CONFIRM REQUIRED AMENDMENTS. SEE SPECIFICATIONS.
10. ALL PLANTING SHALL BE DONE BY PERSONS FAMILIAR WITH THIS WORK AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN OR LANDSCAPE CONTRACTOR.
11. CONTRACTOR SHALL BE FAMILIAR WITH THE LOCAL CODE AND WITH THE LOCAL WATER DISTRICT IRRIGATION DESIGN CRITERIA AND SHALL FULLY COMPLY WITH PLANS, SPECS, AND CODES UNDER FIELD REVIEW BY HART HOWERTON OR LOCAL ARCHITECT.
12. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT 30 DAYS PRIOR TO PLANTING OPERATIONS FOR APPROVAL OF ALL PLANT MATERIAL AT PLACE OF GROWTH. ALL PLANT MATERIAL NOT APPROVED BY THE LANDSCAPE ARCHITECT WILL BE SUBJECT TO REJECTION.
13. LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL PLANT QUALITIES AND DIMENSIONS PRIOR TO INSTALLATION.
14. ACTUAL PLANT LOCATIONS ARE TO BE ADJUSTED IN THE FIELD UNDER THE SUPERVISION OF THE CLIENT'S REPRESENTATIVE. PLANTS SHALL BE LOCATED AWAY FROM SPRINKLER HEADS, POWER POLES, UTILITY VAULTS, AND OTHER OBSTRUCTIONS.
15. ALL TREES SHALL BE STAKED/GUYED AS SHOWN ON THE PLANS AND DETAILS OR AS REQUIRED TO MAINTAIN TREES SECURELY.
16. THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT UNDER THE BRANCHES OF ANY EXISTING PLANT TO REMAIN EXCEPT AS ACTUALLY REQUIRED FOR CONSTRUCTION IN THOSE AREAS. THE CONTRACTOR SHALL PROVIDE FENCES OR OTHER BARRIERS AS NECESSARY AT THE DRIP LINE OR AROUND TREE TRUNKS TO PROTECT EXISTING PLANTS FROM DAMAGE DURING CONSTRUCTION CALLED FOR BY THE PLANS.
17. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL FROM THE OWNERS PROPERTY ALL WASTE MATERIAL GENERATED FROM THE PLANTING AND IRRIGATION OPERATIONS.
18. OBSTRUCTIONS BELOW GROUND: ANY ROCK OR OTHER UNDERGROUND OBSTRUCTIONS SHALL BE REMOVED, IF POSSIBLE, TO THE DEPTH NECESSARY TO PERMIT PROPER PLANTING, ACCORDING TO PLANS AND SPECIFICATIONS.
19. REPLACEMENT: AT ANY TIME DURING THE CONSTRUCTION DURING THE MAINTENANCE PERIOD, OR AT THE END OF THE GUARANTEE PERIOD, ANY PLANT THAT IS DEAD OR OTHERWISE NOT ACCEPTABLE AND NOT IN SATISFACTORY GROWING CONDITION SHALL BE REPLACED IN KIND.
20. SOIL SPECIFICATIONS FOR ALL NEW PLANTING:  
STOCKPILE EXISTING SOIL STRIPPED DURING GRADING. ADD AMENDMENTS TO THE STOCKPILED SOIL PER RECOMMENDATIONS MADE IN THE SOIL TEST AND AS APPROVED BY THE LANDSCAPE ARCHITECT. DISTRIBUTE 6" THICKNESS THROUGHOUT THE MORE INTENSELY PLANTED AREAS WHILE DE-COMPACTING THE SITE. AMENDED TOIL SOIL FOR THE DELICATE GARDEN PLANTING SHALL HAVE A MINIMUM DEPTH OF 12".
21. ESTABLISHMENT MAINTENANCE PERIOD BY LANDSCAPE CONTRACTOR: 1 YEAR FROM ACCEPTANCE BY OWNER'S REPRESENTATIVE.
22. WARRANTY PERIOD FOR ALL PLANTING: 6 MONTHS FOR GROUNDCOVERS, ONE YEAR FOR SHRUBS AND TREES.



9 SHRUB / GROUNDCOVER PLANTING DETAIL - SECTION



5 SMALL TREE ON SLOPE PLANTING DETAIL - SECTION



1 LARGE TREE PLANTING DETAIL - SECTION

**NOT FOR CONSTRUCTION**  
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