

- GENERAL NOTES:**
- ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES.
 - IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES.
 - THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS, AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING FOR ALL CONTRACTORS AND TRADES.
 - EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL [COLOR] SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND FOR REVIEWS BY COUNTY AND / OR MUNICIPALITY OFFICIALS FOR INSPECTIONS.
 - ALL CONTRACTORS AND ALL TRADES ARE RESPONSIBLE FOR OBTAINING THE CORRECT PERMITS AND INSPECTIONS PRIOR TO CONSTRUCTION AS REQUIRED BY LOCAL PLANNING, ZONING, BUILDING CODE AND OTHER TOWN AUTHORITIES.
 - W.J.K. LTD, THE OWNER AND / OR THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY SITE CONDITIONS WHICH MAY NECESSITATE MODIFICATION TO THE PLAN. THE OWNER OR OWNER'S REPRESENTATIVE SHALL MAKE "INFIELD MODIFICATIONS", IF NECESSARY.
 - CONTRACTOR SHALL PROVIDE AND FURNISH ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR ALL CONSTRUCTION, PROTECTION, MAINTENANCE AND RELATED ITEMS TO COMPLETE WORK INDICATED ON THE DRAWINGS.
 - BEFORE COMMENCING ANY WORK CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UTILITIES, SUB-SURFACE DRAINAGE, AND UNDERGROUND CONSTRUCTION SO THAT PROPER PRECAUTIONS MAY BE TAKEN NOT TO DISTURB ANY SUB-SURFACE IMPROVEMENTS. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS IN BRINGING EQUIPMENT ON TO AND OFF OF THE SITE, PROTECTING WALKS, PAVING, STEPS AND OTHER EXISTING CONSTRUCTION ON THE SITE. CONTACTS SHALL BE MADE BY CONTRACTOR WITH PROPER AUTHORITIES BEFORE AND DURING THIS WORK SO AS TO COMPLY WITH ALL REGULATIONS AND ORDINANCES.
 - CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES AND CONFIRM / DETERMINE UTILITY ELEVATIONS PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE AND MAKE REPAIRS, AT THEIR OWN EXPENSE, THAT MAY OCCUR TO EXISTING UTILITIES IN ACCORDANCE WITH NATIONAL, STATE AND LOCAL CODES.
 - CONTRACTOR SHALL VERIFY ALL EXISTING TREE CONDITIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THEIR REMOVAL.
 - CONTRACTOR SHALL PROTECT AND INSTALL TREE PROTECTION FENCE AROUND THE DRIP LINE OF ALL TREES AND NATURAL AREAS TO REMAIN. TREE PROTECTION LOCATION SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
 - ALL CONSTRUCTION FOR ALL TRADES SHALL CONFORM TO OR EXCEED THE PRODUCT MANUFACTURER'S RECOMMENDATIONS, REGULATIONS OF BEAUFORT COUNTY AND THE AMERICANS WITH DISABILITIES ACT, AND / OR OTHER APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND ANY OTHER GOVERNING AUTHORITIES.
 - CONTRACTOR ACCESS FOR CONSTRUCTION AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - CONTRACTOR SHALL PROTECT THE GENERAL PUBLIC FROM CONSTRUCTION AREAS DURING CONSTRUCTION.
 - ANY DEVIATIONS FROM THESE PLANS MUST BE SPECIFICALLY APPROVED BY W.J.K. LTD., AND THE OWNER OR OWNER'S REPRESENTATIVE.

- DEMOLITION NOTES:**
- THE CONTRACTOR, BEFORE BEGINNING ANY DEMOLITION ACTIVITY, SHALL CONTACT THE LOCAL UTILITIES FOR INSTRUCTION ON SPECIAL PROCEDURES THAT MAY BE REQUIRED BY THE UTILITIES CONCERNING DEMOLITION.
 - ALL DEMOLISHED MATERIAL SHALL BE HAULED AWAY AND DISPOSED OF PROPERLY IN A LANDFILL AS APPLICABLE PER BEAUFORT COUNTY CODE[S].
 - THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF LOCAL, STATE AND FEDERAL REGULATORY AGENCIES WHICH MAY HAVE JURISDICTION OVER SUCH ACTIVITIES.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DATA PROVIDED IN THESE DRAWINGS. THE CONTRACTOR SHALL PERFORM HIS OWN ESTIMATE OF MATERIAL FOR DEMOLITION AND REPORT ANY DISCREPANCIES TO THE OWNER OR THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
 - ALL UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND FOR ESTIMATING PURPOSES ONLY. THE EXACT LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING DEMOLITION WORK. ALL UTILITIES SHALL BE LOCATED AND PROTECTED TO PREVENT DAMAGE. ANY DAMAGE WHICH MAY OCCUR DURING THE CONSTRUCTION PROCESS IS TO BE PROMPTLY REPORTED TO THE APPROPRIATE UTILITY AUTHORITY AND REPAIRS SHALL BE MADE IN ACCORDANCE WITH THEIR REQUIREMENTS. THE SAFE DEMOLITION AND REMOVAL OF UTILITIES, STRUCTURES AND EQUIPMENT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, THE UTILITIES HAVING JURISDICTION OVER ANY UTILITY EASEMENTS OF ANY KIND FOR APPROVAL OF WORK WITHIN THE EASEMENT.
 - REMOVAL OF ANY AND ALL MATERIALS INDICATED INCLUDES ALL MATERIALS ASSOCIATED WITH THAT ITEM INCLUDING SUBSURFACE MATERIAL, IF APPLICABLE, NOT NEEDED OR IN NEED OF REPAIR OR REPLACEMENT.
 - THE CONTRACTOR SHALL TAKE CARE WHEN WORKING AROUND EXISTING TREES SCHEDULED TO REMAIN. PROPER TREE PROTECTION IN ACCORDANCE WITH LOCAL CODES SHALL BE MADE PRIOR TO CONSTRUCTION BEGINNING AND THROUGHOUT THE CONSTRUCTION PROCESS.
 - SOME TREES AND SHRUBS SCHEDULED FOR RELOCATION AND REUSE ON THE PROPERTY MAY NOT BE SALVAGEABLE DUE TO UNDERGROUND UTILITIES.
 - BARRIERS AND / OR FLAG MEN MAY BE REQUIRED FOR SAFETY, VERIFY REQUIREMENTS WITH THE OWNER FOR SUCH NEEDS PRIOR TO BEGINNING THE WORK.
 - THE OWNER SHALL BE NOTIFIED AS TO THE TIMING OF THE WORK SO THAT PROPER SECURITY NOTIFICATION IS MADE.

- GENERAL DISTURBANCE NOTES:**
- CONTRACTOR SHALL IMPLEMENT ALL SILT FENCE OR OTHER SEDIMENT CONTROL MEASURES AROUND ALL DISTURBED AREAS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AFTER SILT FENCE AND PRIOR TO ALL OTHER CONSTRUCTION ACTIVITIES.
 - ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED BY THE CONTRACTOR AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER. IF SITE INSPECTIONS IDENTIFY B.M.P.S. THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL AND BEFORE THE NEXT STORM EVENT IF PRACTICAL.
 - CONTRACTOR TO PROVIDE SILT FENCE AND / OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
 - ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND / OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 - THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED SURFACES FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL REMOVE MUD / SOIL DAILY FROM PAVED SURFACES, AS REQUIRED.
 - RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.
 - TEMPORARY DIVERSION BERMS AND / OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UP SLOPE RUNOFF AND / OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
 - ALL WATERS OF THE STATE (W.O.S.), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL W.O.S. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL W.O.S.
 - LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED EXCEPT AS STATED BELOW:
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICAL.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

- LAYOUT NOTES:**
- ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR TO USE DIGITAL FILES PROVIDED BY WITMER-JONES-KEEFER, LTD. TO LAYOUT AND STAKE ALL SITE IMPROVEMENTS AND ELEMENTS. FINAL LAYOUT AND STAKING TO BE FIELD VERIFIED AND APPROVED BY LANDSCAPE ARCHITECT AND OWNER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL FIELD LOCATE, STAKE AND USE COLOR CODED SPRAY PAINT FOR ALL ABOVE AND BELOW GROUND UTILITIES. CONTRACTOR TO CONFIRM / DETERMINE UTILITY ELEVATIONS PRIOR TO CONSTRUCTION. ANY EXISTING UTILITY CONFLICTS WITH SITE IMPROVEMENTS TO BE REPORTED TO OWNER, OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AS STATED IN THE GENERAL NOTES.
 - ANY LAYOUT AND STAKING DISCREPANCIES TO BE REPORTED TO THE OWNER, OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
 - ALL DIMENSIONS ARE TO EDGE OF PAVING AND CENTERLINE OF WALLS AND COLUMNS UNLESS OTHERWISE INDICATED.
 - ALL ANGLES ARE 90 UNLESS OTHERWISE INDICATED.
 - CONTRACTOR SHALL PROVIDE LIGHTING, IRRIGATION AND ANY OTHER CONDUIT NEEDED TO ALL LANDSCAPE AREAS.
 - ANY AND ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM THE OWNER, OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

- GRADING NOTES:**
- CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES.
 - CROSS SLOPES ON ALL HARDSCAPE WALKWAYS / PATHWAYS ARE NOT TO EXCEED 2%.
 - IF DISCREPANCIES DEVELOP BETWEEN THE PROPOSED GRADES AS SHOWN ON THE PLAN AND THE EXISTING GROUND SURFACE, THE CONTRACTOR, WITH PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE, SHALL MAKE GRADING ADJUSTMENTS NECESSARY TO MAINTAIN THE GENERAL INTENT OF THE DESIGN.
 - CONTRACTOR IS RESPONSIBLE FOR ALL PAVED AREAS DAMAGED DURING CONSTRUCTION.
 - CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL ADJACENT PROPERTIES, WALLS, WALKS AND PLANTING BEDS AND TOWARDS EXISTING DRAIN INLETS, SWALES, STORMWATER LAGOONS OR ROADS.
 - ALL DISTURBED AREAS INCLUDING SHALLOW SWALES SHALL BE MULCHED OR PLANTED AS INDICATED ON PLANTING PLANS.
 - IF REQUIRED, POP UP EMITTER SHALL BE N.D.S. 6" POP UP DRAINAGE EMITTER BLACK IN COLOR.
 - LANDSCAPE DRAIN SHALL BE AS SPECIFIED ON PLANS.
 - LANDSCAPE DRAINS SHALL BE ADDED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS IN LOW / FLAT AREAS THAT DID NOT SHOW UP ON THE TOPOGRAPHIC SURVEY. LANDSCAPE DRAIN SHALL BE APPROVED BY OWNER, OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

- LIGHTING NOTES:**
- LIGHTING PLAN IS A DIAGRAMMATIC DRAWING AND EXACT LOCATIONS OF LIGHT FIXTURES SHALL BE APPROVED BY LANDSCAPE ARCHITECT, OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
 - CONTRACTOR TO COORDINATE WITH THE BUILDER FOR THE LOCATION OF ELECTRICAL PANEL NEEDED FOR LIGHTING.
 - ALL LIGHTING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS, AND MUST COMPLY WITH ALL APPLICABLE STATE AND COUNTY CODES.
 - THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS AND INSPECTION / APPROVALS REQUIRED.
 - THE CONTRACTOR SHALL STAKE OUT ALL LIGHT FIXTURE AND TRANSFORMER LOCATIONS FOR APPROVAL BY THE LANDSCAPE ARCHITECT, OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. EXACT LOCATIONS OF CONTROLLERS, ELECTRICAL PANELS, ETC. TO BE COORDINATED WITH AND APPROVED BY OWNER, OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
 - THE CONTRACTOR SHALL COORDINATE, STAKE AND FLAG ALL LOCATIONS WHERE ELECTRICAL CONDUIT OR P.V.C. SLEEVING MAY BE REQUIRED BENEATH WALKS OR OTHER PAVED AREAS PRIOR TO HARDSCAPE INSTALLATION.
 - ALL ELECTRICAL WIRING RUNNING UNDER PAVED AREAS SHALL BE PLACED IN ELECTRICAL CONDUIT OR P.V.C. SLEEVES PROVIDED BY CONTRACTOR.
 - THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR, EXCAVATION AND BACKFILL NECESSARY TO COMPLETE THE WORK.
 - ALL FIXTURES PER MODELS SPECIFIED UNLESS CONTRACTOR GETS APPROVAL FROM LANDSCAPE ARCHITECT FOR A SUBSTITUTION.
 - SYSTEM INSTALLATION, INCLUDING PARTS AND LABOR, SHALL BE GUARANTEED AND REPAIRED AS NECESSARY BY THE CONTRACTOR FOR ONE YEAR.

- CONSTRUCTION NOTES:**
- ALL CONTRACTORS AND ALL TRADES ARE RESPONSIBLE FOR OBTAINING THE CORRECT PERMITS AND INSPECTIONS PRIOR TO CONSTRUCTION AS REQUIRED BY LOCAL PLANNING, ZONING, BUILDING CODE AND OTHER TOWN AUTHORITIES.
 - CONTRACTOR SHALL PROVIDE SAMPLES OF ALL MATERIALS AND OBTAIN APPROVAL FROM OWNER, OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
 - ON SITE TOPOGRAPHY MAY REQUIRE ADJUSTMENTS OF FINAL SPOT ELEVATIONS ON SITE FOR PROPOSED VERTICAL CONSTRUCTION ELEMENTS. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE PROMPTLY UPON THE DISCOVERY OF ANY SUCH REQUIRED ADJUSTMENTS.
 - THE CONTRACTOR SHALL PROVIDE FILL AS IS REQUIRED TO OBTAIN PROPER RELATIONSHIP OF FOOTING TO FINISH GRADE REQUIREMENTS - FEATHER FILL TO ADJACENT EXISTING GRADE TO ASSURE A COORDINATED AND DESIRED EFFECT.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING CONDITIONS SCHEDULED TO REMAIN DURING CONSTRUCTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND FOR ANY DAMAGE THAT MAY OCCUR TO EXISTING UTILITIES DURING CONSTRUCTION.
 - "IN-FIELD MODIFICATIONS" MAY BE NECESSARY TO PRODUCE DESIRED EFFECT. MODIFICATIONS TO BE APPROVED BY LANDSCAPE ARCHITECT AND OWNER OR OWNER'S REPRESENTATIVE.
 - ALL WELDS TO BE CONTINUOUS.
 - FOR ALL WOOD MEMBERS, ALL CUTS SHALL BE EVEN AND JOINTS FLUSH. SAND FOUR SIDES AND FILL IMPERFECTIONS, COUNTERSINKS AND NAIL HOLES TO ASSURE EVEN FINISH.
 - CONTRACTOR SHALL VERIFY ALL WOOD MEMBERS FOR APPROPRIATE SIZE, SPACING, ATTACHMENTS AND STRUCTURAL STABILITY PRIOR TO CONSTRUCTION. CONTRACTOR TO REPORT ANY DISCREPANCIES TO OWNER, OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
 - ALL NOTCHES SHALL BE SHOP CUT TO ASSURE TIGHT JOINTS. EACH MEMBER SHALL BE DRIVEN HOME TO ASSURE TIGHT FIT. PILOT HOLES SHALL BE DRILLED FOR EACH CARRIAGE BOLT. PLUG, SEAL AND PRIME.
 - FINISH ALL SIDES AND CAULK ALL JOINTS WITH APPROPRIATE EXTERIOR CAULK PRIOR TO FINISHING.
 - ALL CONNECTORS, UNLESS OTHERWISE SPECIFIED, SHALL BE STAINLESS STEEL. BOLTS, THREADED RODS, WASHERS, NUTS AND ALL BUILDING HARDWARE SHALL BE STAINLESS STEEL AND SUITABLE FOR PRESSURE TREATED WOOD. ALL THROUGH BOLTS TO BE SMOOTH SHAFT WITH STAINLESS STEEL NUTS, BOLTS AND WASHERS. ALL NAILS AND FINISH NAILS SHALL BE ANNULAR STAINLESS STEEL.
 - ALL DECKING SHALL BE SECURED WITH STAINLESS STEEL SCREWS SIZED FOR DECK APPLICATION. MINIMUM 3" APART.

- PLANTING NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF EXISTING CONDITIONS, INCLUDING UTILITIES, AND PROMPTLY REPORTING ANY DISCREPANCIES OR CONFLICTS WITH PLANTING AREAS. REPORT INFORMATION TO OWNER, OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
 - CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE AND MAKE REPAIRS THAT MAY OCCUR TO EXISTING UTILITIES IN ACCORDANCE WITH NATIONAL, STATE AND LOCAL CODES.
 - LANDSCAPE PLANTING AND / OR MULCHED AREAS TO BE FINE GRADED, HAND RAKED SMOOTH AND FREE OF DEBRIS.
 - CONTRACTOR TO PERFORM SOIL TESTS AS NECESSARY TO ASSURE PLANT HEALTH AND GROWTH.
 - MULCH ALL PLANTING UP TO A MIN. 3" DEPTH WITH MULCH SPECIFIED IN PLANT SCHEDULE.
 - CONTRACTOR VERIFIES THAT ALL PLANT MATERIAL IS DETERMINED AVAILABLE AS SPECIFIED WHEN BID / PROPOSAL IS SUBMITTED.
 - PLANT SCHEDULE WAS PREPARED FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL MAKE OWN QUANTITY TAKEOFFS USING DRAWINGS TO DETERMINE QUANTITIES TO HIS SATISFACTION. REPORTING PROMPTLY ANY DISCREPANCIES WHICH MAY AFFECT BIDDING.
 - GALLON SIZES ARE FOR PRICING PURPOSES ONLY. PLANT MUST MEET HEIGHTS AND WIDTHS SPECIFIED IN PLANT SCHEDULE.
 - ROOT TYPE MAY BE FREELY SUBSTITUTED IN CASE OF BALLED AND BURLAPPED OR CONTAINER GROWN, OTHER SPECIFICATIONS REMAINING UNCHANGED, EXCEPT IN THE CASE OF CONTAINER GROWN SPECIMEN TREES AS INDICATED IN THE TREE PLANTING SCHEDULE.
 - ANY SIGNIFICANT ROOTS ENCOUNTERED 2" DIA. AND LARGER SHALL BE DUG OUT BY HAND AND CLEANLY CUT BACK IN THE FOOTING / FOUNDATION AREA TO PROMOTE ROOT RE-GROWTH AND HELP PREVENT ROOT DIEBACK.
 - ALL PLANT MATERIAL (EXCEPT SEASONAL COLOR) SHALL BE GUARANTEED AND REPLACED AS NECESSARY BY THE CONTRACTOR FOR ONE YEAR.
 - ALL SEASONAL COLOR SHALL BE GUARANTEED AND REPLACED AS NECESSARY BY THE CONTRACTOR FOR THREE MONTH TIME FRAMES.

- SOIL AMENDMENT NOTES:**
- TOPSOIL SHALL CONSIST OF THE NATURAL LOAM, SANDY LOAM, SILT LOAM, OR CLAY LOAM HUMUS BEARING SOILS, ADAPTED TO THE SUSTENANCE OF PLANT LIFE, WITH THE FOLLOWING TEXTURE:
 - ORGANIC MATERIAL - TWO (2) TO TWENTY (20) PERCENT BY MASS
 - SAND CONTENT - TWENTY (20) TO SIXTY (60) PERCENT BY MASS
 - CLAY-SILT CONTENT - THIRTY FIVE (35) TO SEVENTY (70) PERCENT BY MASS.
 - TOPSOIL PH SHALL BE BETWEEN FIVE (5) AND SEVEN (7).
 - TOPSOIL SHALL BE OF UNIFORM QUALITY AND FREE FROM FOREIGN MATERIAL SUCH HARD CLODS, SOD, STIFF CLAY, HARD PAN, STONES LARGER THAN ONE (1) INCH DIAMETER, LIME CEMENT, ASHES, SLAG, CONCRETE, TAR RESIDUES, TARRER PAPER, BOARDS, CHIPS, STICKS, OR OTHER UNDESIRABLE MATERIALS. IT SHALL ALSO BE REASONABLY FREE FROM WEEDS AND OBJECTIONABLE PLANT MATERIAL.
 - AFTER ALL DEMOLITION, CLEARING AND DISPOSAL IS COMPLETED, THE CONTRACTOR SHALL STRIP FROM THE TOP OF THE EXISTING GROUND ALL TOPSOIL IN ALL AREAS TO BE GRADED.
 - PRIOR TO STOCKPILING OF TOPSOIL, TOPSOIL SHALL BE SCREENED WITH A ONE HALF (1/2) INCH SIZE SIEVE. STOCKPILE TOPSOIL IN DESIGNATED OR APPROVED LOCATIONS WITH PROPER DRAINAGE AND WHERE IT WILL NOT INTERFERE WITH THE WORK. AFTER TOPSOIL HAS BEEN STOCKPILED, CONTRACTOR SHALL QUANTIFY THE AMOUNTS AT NO ADDITIONAL COST TO THE OWNER. QUANTITIES SHALL BE GIVEN TO THE ARCHITECT, OWNER AND SITE DESIGN PROFESSIONAL.
 - IF AMOUNT OF SCREENED TOPSOIL STOCKPILED FROM STRIPING OPERATIONS IS INSUFFICIENT TO PROVIDE THE NECESSARY AMOUNTS (4" MINIMUM DEPTH), IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN (FROM OFF-SITE SOURCE) THE NECESSARY AMOUNT OF SCREENED TOPSOIL TO COMPLETE THE PROJECT.
 - SCREENED TOPSOIL SHALL BE DISTRIBUTED WITH A MINIMUM DEPTH OF FOUR (4) INCHES TO ALL GRADED AREAS (NOT INCLUDING BUILDING, PAVED, SYNTHETIC TURF, PERVIOUS PAVEMENT, ETC.) AND / OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. GROUND SHALL BE SCARIFIED BEFORE PLACING TOPSOIL. AREAS WHERE SCREENED TOPSOIL IS DISTRIBUTED SHALL BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATION (SEASON DEPENDENT) OR TEMPORARY MULCH WITHIN FOURTEEN (14) CALENDAR DAYS OF DISTRIBUTION.

- TURF AND GRASSING NOTES:**
- AFTER TOPSOIL HAS BEEN INSTALLED, AND BEFORE ANY SOD IS LAID, CORRECT ALL SOFT SPOTS AND IRREGULARITIES IN GRADE. THE SOD SHALL BE LAID BY BUTTING THE ENDS AND SIDES UP EVENLY AND STAGGERING THE ROLLS OF SOD. CONTRACTOR SHALL NOT OVERLAP SOD. AS SOON AS THE SOD IS LAID OR AS IT IS BEING LAID ROLL OVER WITH A LIGHT ROLLER, MAKING CERTAIN THAT ALL OF THE SOD IS IN CONTACT WITH THE SOIL. THE COMPLETED SODDED AREAS SHALL BE TRUE TO FINISH GRADE, EVEN AND FIRM AT ALL POINTS.
 - UPON COMPLETION OF PLANTINGS ALL EXCESS SOIL STONES AND DEBRIS WHICH HAS NOT PREVIOUSLY BEEN CLEANED UP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
 - ALL LAWN AREAS THAT DO NOT SHOW SATISFACTORY GROWTH WITHIN (18) DAYS AFTER PLANTING SHALL BE RE-PLANTED AND RE-FERTILIZED AS SPECIFIED UNTIL A SATISFACTORY LAWN IS ESTABLISHED. THE LAWN SHALL BE CONSIDERED ESTABLISHED WHEN ITS REASONABLY FREE FROM WEED, GREEN IN APPEARANCE AND THE SPECIFIED GRASS IS VIGOROUS AND GROWING WELL ON EACH SQ. FT. OF LAWN AREA.
 - LAWN SHALL BE PROTECTED AND MAINTAINED BY WATERING, MOWING, AND REPLANTING, OVERSEEING, AS NECESSARY FOR AS LONG AS IS NECESSARY TO ESTABLISH A UNIFORM STAND. SCATTERED BARE SPOTS, NONE OF WHICH IS LARGER THAN ONE SQ. FT., WILL BE ALLOWED UP TO MAXIMUM OF THREE PERCENT OF ANY LAWN AREA. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EROSIONAL DAMAGE TO THE LAWN AREA. FULL COVERAGE IS REQUIRED IN SIXTY DAYS.
 - MAINTENANCE OF GRASSED AREAS SHALL CONSIST OF MOWING, WATERING AND FERTILIZING. ALL GRASSED AREAS SHALL BE MAINTAINED AT A HEIGHT NOT TO EXCEED 6" ABOVE FINISHED GRADE.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL GRASSED AREAS UNTIL ACCEPTANCE BY OWNER AT END OF PROJECT. LAWN MAINTENANCE SHALL OCCUR AT A MINIMUM OF ONCE PER SEVEN CALENDAR DAYS.

- IRRIGATION NOTES:**
- CONTRACTOR TO SUPPLY AUTOMATIC IRRIGATION SYSTEM, COMPLETE AND INSTALLED. SYSTEM TO INCLUDE ALL VALVES, PIPES, HEADS, FITTINGS, BACK FLOW CONTROLLER, AND IRRIGATION METER AND TO PROVIDE 100% COVERAGE FOR ALL NEW PLANTINGS. DRIP IRRIGATION TO BE USED FOR ALL PLANTINGS, EXCEPT LAWNS.
 - NO IRRIGATION COMPONENTS SHALL BE CLOSER THAN 12" TO ANY EDGE OF PAVEMENT OR CURB AND GUTTER. IRRIGATION SHALL NOT SPRAY BEYOND LANDSCAPED AREAS, OR INTO ANY UNDISTURBED BUFFERS. NO OVER SPRAY SHALL BE PERMITTED ONTO ADJACENT PROPERTIES OR PEDESTRIAN SIDEWALK AREAS.
 - LANDSCAPE CONTRACTOR TO FIELD VERIFY ALL COMPONENT LOCATIONS TO ENSURE APPROPRIATE COVERAGE.
 - LANDSCAPE CONTRACTOR SHALL LOCATE WATER SOURCE AND PROVIDE POWER TO CONTROLLER.
 - CONTROLLER LOCATION TO BE SPECIFIED BY OWNERS REPRESENTATIVE IN FIELD PRIOR TO CONSTRUCTION.
 - ALL DRIP TUBING SHALL BE COVERED WITH MIN. 3" OF MULCH.
 - ALL DRIP AND SPRAY ZONES SHALL BE SEPARATE.
 - CONTRACTOR SHALL SUBMIT FINAL IRRIGATION PLANS TO OWNER'S REPRESENTATIVE AND ALL REVIEWING BODIES / AGENCIES FOR FINAL APPROVAL PRIOR TO INSTALLATION.

****CAUTION****



SHEET INDEX

- CS - COVER SHEET AND PROJECT NOTES
L1 - PLANT REMOVAL AND PROTECTION PLAN
L2 - KEY SHEET AND LAYOUT PLAN
L3 - GRADING PLAN
L4 - LIGHTING AND PLANTING PLAN
L5 - PLANT SCHEDULE AND DETAILS
L6 - SITE DETAILS - 01
L7 - SITE DETAILS - 02

ISSUED:
APRIL 17, 2024

PROJECT TEAM

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PROJECT REQUIREMENTS

| SITE COVERAGE | | |
|---|----------------------|-------------------------|
| IMPERVIOUS COVERAGE | ACTUAL COVERAGE (SF) | ALLOWABLE COVERAGE (SF) |
| BUILDING FOOTPRINT(S) | 3,636 | |
| IMPERVIOUS HARDSCAPE | 400 | |
| SAND SET BRICK (50%) (138 SF/2 = 69) | 69 | |
| TOTAL IMPERVIOUS | 4,105 | |
| HOMESITE SF TOTAL | 17,421 | |
| % SITE COVERAGE | 23.56% | X% |



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THIS SHEET TO SCALE AT: 24"x36"

SITE DEVELOPMENT PLANS
FOR
HANSEN RESIDENCE
28 STOCK FARM / LOT 33
BLUFFTON / SC

| | |
|--------------|--------------|
| DATE: | APR 17, 2024 |
| PROJECT NO.: | 24-054-01 |
| DRAWN BY: | JM/ER |
| CHECKED BY: | DK |

FINAL SUBMITTAL
PLAN, NOT FOR
CONSTRUCTION

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| REVISIONS: |
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DRAWING TITLE
COVER SHEET AND
PROJECT NOTES

DRAWING NUMBER
CS

| SITE PREP. / PLANT PROTECTION LEGEND | | | |
|--------------------------------------|-------|---------------------------------|--------|
| CALL-OUT | SYMB. | DESCRIPTION | DETAIL |
| NA | | TREE REMOVAL | NA |
| 1.1 | | TREE PROTECTION FENCE | 1/L6 |
| 1.2 | | SILT FENCE | 2/L6 |
| 1.3 | | TEMPORARY CONSTRUCTION ENTRANCE | 3/L6 |

NOTE: SYMBOLS AND HATCHES ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS.

DEMOLITION REFERENCE NOTES:

- PROTECT EXISTING PAVEMENT(S) DURING CONSTRUCTION. PAVEMENT TO BE MAINTAINED AND INTEGRATED WITH NEW CONSTRUCTION.
- EXISTING TREE TO REMAIN, DO NOT DISTURB, PROTECT IN PLACE.
- EXISTING TREE TO BE REMOVED INCLUDING ROOTS AND STUMP, LEGALLY DISPOSE OF OFF SITE.



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SITE DEVELOPMENT PLANS
FOR
HANSEN RESIDENCE
28 STOCK FARM / LOT 33
BLUFFTON/ SC

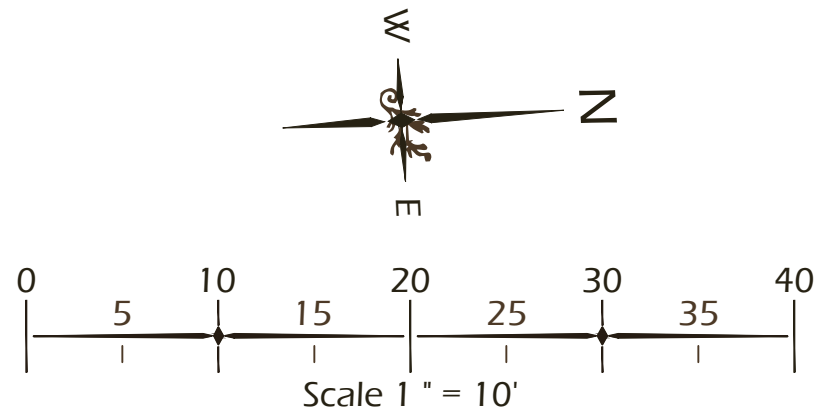
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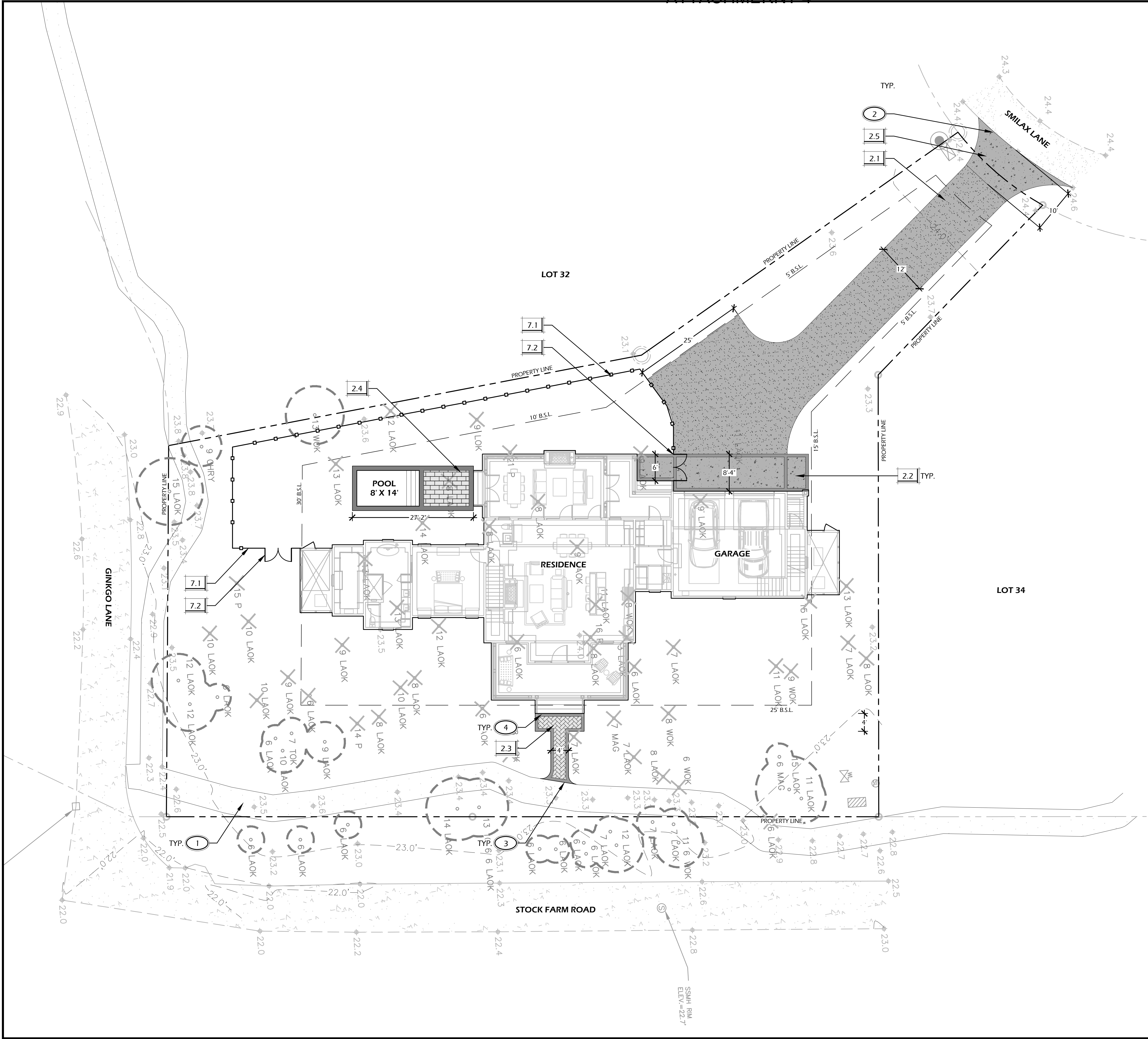
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DRAWING TITLE
**PLANT REMOVAL AND
PROTECTION PLAN**

DRAWING NUMBER
L1





| PAVING SCHEDULE | | | |
|-----------------|-------|-------------------------------------|--------|
| CALL-OUT | SYMB. | DESCRIPTION | DETAIL |
| 2.1 | | SPRING MIX GRAVEL DRIVE | 4/L6 |
| 2.2 | | TABBY APRON WITH BRICK BORDER | 5/L6 |
| 2.3 | | BRICK WALK / LANDING | 6/L6 |
| 2.4 | | STONE LANDING | 7/L6 |
| 2.5 | | TABBY APRON | 8/L6 |
| NA | | BORDERS, REFER TO DETAIL 5/L6, 6/L6 | NA |
| NA | | POOL COPING, BY POOL CONTRACTOR | NA |

NOTE: MATERIAL SYMBOLS / HATCHES ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS AND LAYOUT PLANS FOR SIZES AND DIMENSIONS.

| SITE DETAILS LEGEND | | |
|---------------------|--------------|--------|
| CALL-OUT | DESCRIPTION | DETAIL |
| 7.1 | LIVING FENCE | 1/L7 |
| 7.2 | GATE | 2/L7 |

KEY SHEET REFERENCE NOTES:

- 1 MAINTAIN EXISTING SIDEWALK, CONTRACTOR RESPONSIBLE FOR REPLACEMENT / REPAIR OF ANY AND ALL DAMAGES.
- 2 ALIGN EDGE OF DRIVEWAY APRON EVENLY AND SMOOTHLY WITH EXISTING ROAD.
- 3 ALIGN EDGE OF WALKWAY EVENLY AND SMOOTHLY WITH EXISTING WALK.
- 4 LANDING WIDTH TO EQUAL WIDTH OF STAIRS.



Witmer Jones & Keefe
landscape architecture
land planning
www.wjkltd.com
28 Promenade Street, Suite 201 | Bluffton, South Carolina 29910 | ph 843.797.7411

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SITE DEVELOPMENT PLANS
FOR
HANSEN RESIDENCE
28 STOCK FARM / LOT 33
BLUFFTON/ SC

| | |
|--------------|--------------|
| DATE: | APR 17, 2024 |
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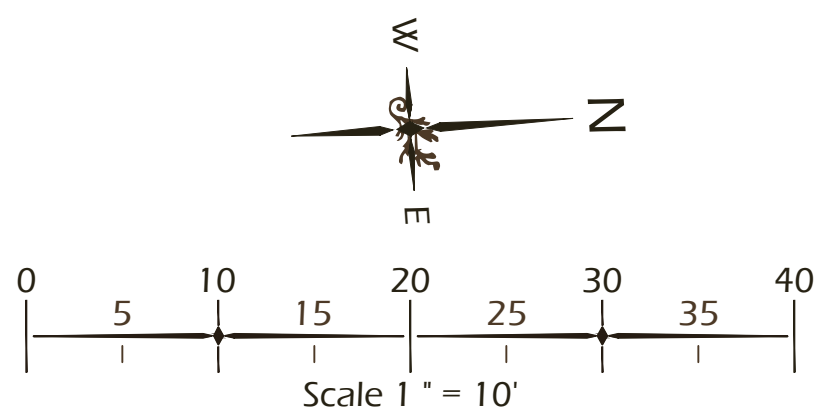
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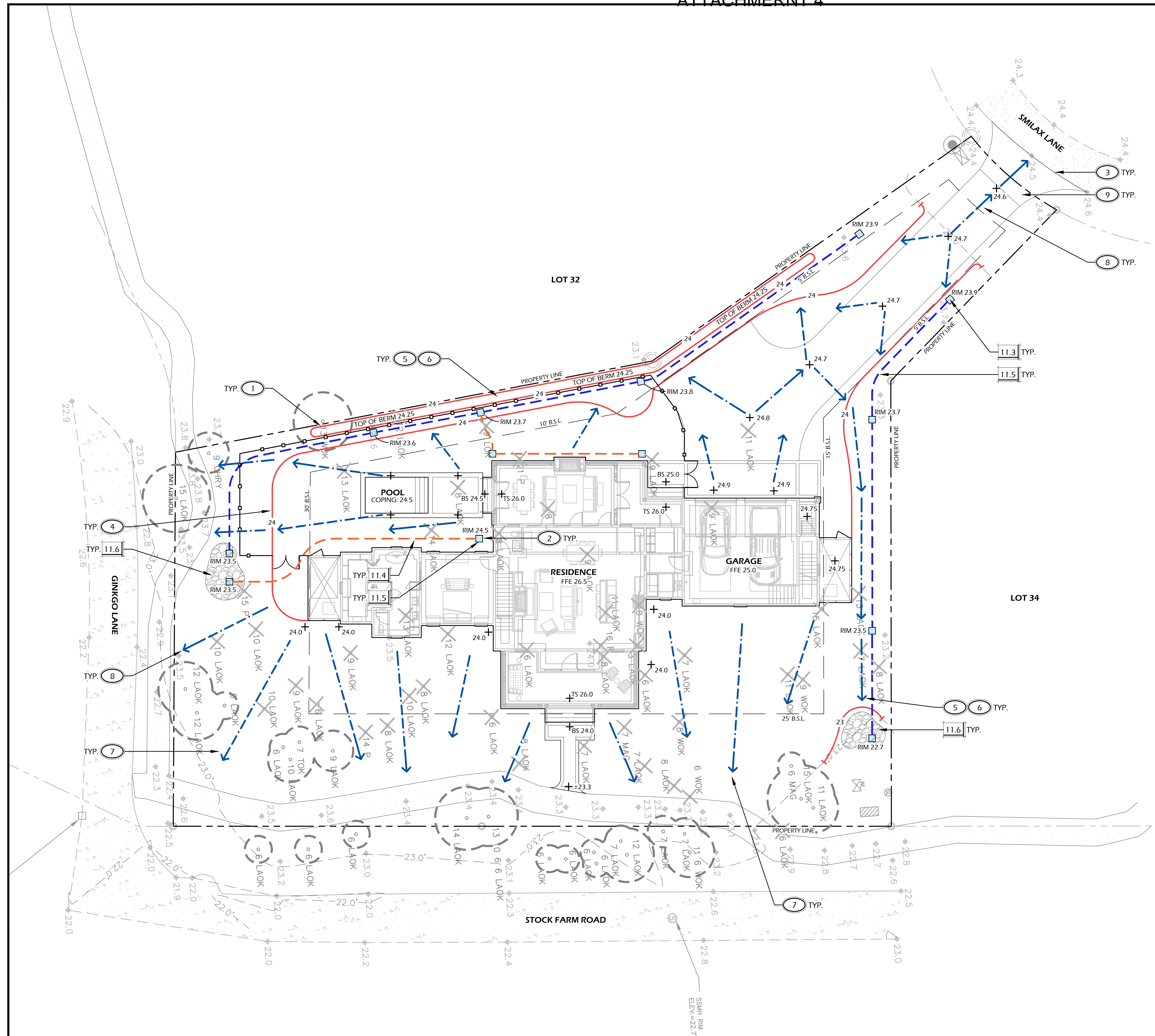
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



DRAWING TITLE
KEY SHEET AND
LAYOUT PLAN

DRAWING NUMBER




L2





| DRAINAGE LEGEND | | | |
|-----------------|---|--------------------------------------|--------|
| CALL-OUT | SYMB. | DESCRIPTION | DETAIL |
| 11.1 |  | 6" AREA DRAIN | 2/L7 |
| 11.2 |  | 12" AREA DRAIN TYPE 1 | 3/L7 |
| 11.3 |  | 12" AREA DRAIN TYPE 2 (ATRIUM GRATE) | 4/L7 |
| 11.4 |  | 6" FRENCH DRAIN | 5/L7 |
| 11.5 |  | 8" FRENCH DRAIN | 6/L7 |
| 11.6 |  | RAIN GARDEN | 7/L7 |

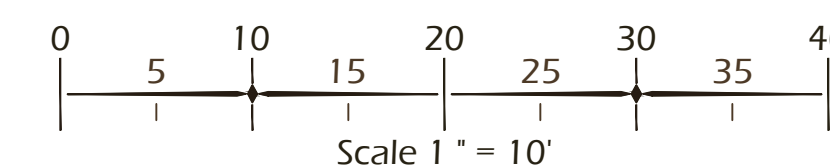
NOTE: DRAINAGE SYMBOLS ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS. IF NOT LOCATED ON PLAN AND SUB SURFACE DRAINAGE IS NEEDED, CONTRACTOR SHALL SUPPLY AREA DRAINS, FRENCH DRAINS AND DRY WELLS AS REQUIRED TO PROMOTE PROPER STORMWATER DRAINAGE (REFER TO DRAINAGE DETAILS, SHEET L7)

| GRADING LEGEND | |
|---|------------------------|
| SYMB. | DESCRIPTION |
| + | SPOT GRADE |
|  | DRAINAGE ARROW |
|  | PROPOSED CONTOUR MAJOR |
|  | PROPOSED CONTOUR MINOR |
| --- | EXISTING GRADE |

| GRADING ABBREVIATIONS | | | |
|-----------------------|--------------------------|-------|---------------|
| ABBR. | DESCRIPTION | ABBR. | DESCRIPTION |
| BC | BOTTOM OF COLUMN | HP | HIGH POINT |
| BOC | BOTTOM OF CURB | RIM | TOP OF DRAIN |
| BS | BOTTOM OF STEP | TC | TOP OF COLUMN |
| BW | BOTTOM OF WALL | TOC | TOP OF CURB |
| FFE | FINISHED FLOOR ELEVATION | TS | TOP OF STEP |
| FG | FINISHED GRADE | TW | TOP OF WALL |
| LP | LOW POINT | | |

GRADING REFERENCE NOTES:

- 1 MINIMIZE DISTURBANCE AROUND TREES TO REMAIN.
- 2 CONTRACTOR SHALL TIE GUTTER DOWNSPOUTS INTO SUBSURFACE DRAINAGE SYSTEM WHENEVER POSSIBLE.
- 3 TIE INTO EXISTING GRADE. MEET SMOOTHLY AND EVENLY.
- 4 FEATHER BOTTOM OF SLOPE SMOOTHLY TO MEET EXISTING CONDITIONS.
- 5 CREATE SWALE AND BERM TO DIRECT WATER AWAY FROM HOUSE AND ADJACENT PROPERTIES.
- 6 DRAINAGE SWALE PITCH AT 1% MIN.
- 7 PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING AND ADJACENT PROPERTY LINES.
- 8 DIRECT STORMWATER TOWARDS STREET. DRAINAGE SHALL NOT BE DIRECTED TOWARDS ADJACENT PROPERTY. **CONTRACTOR SHALL PROVIDE SUPPLEMENTAL AREA DRAINS, FRENCH DRAINS, AND DRY WELLS AS REQUIRED TO PROMOTE PROPER STORMWATER DRAINAGE. REFER TO SITE DETAILS.**
- 9 GENERAL CONTRACTOR SHALL PROVIDE STRUCTURAL SUBGRADE FOR DRIVEWAY. CONTRACTOR SHALL ADJUST GRADES TO PROVIDE POSITIVE DRAINAGE TO ROADWAY AND NATURAL AREAS.



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SITE DEVELOPMENT PLANS
FOR
HANSEN RESIDENCE
28 STOCK FARM / LOT 33
BLUFFTON/ SC

| | |
|--------------|--------------|
| DATE: | APR 17, 2024 |
| PROJECT NO.: | 24-054-01 |
| DRAWN BY: | JM/ER |
| CHECKED BY: | DK |

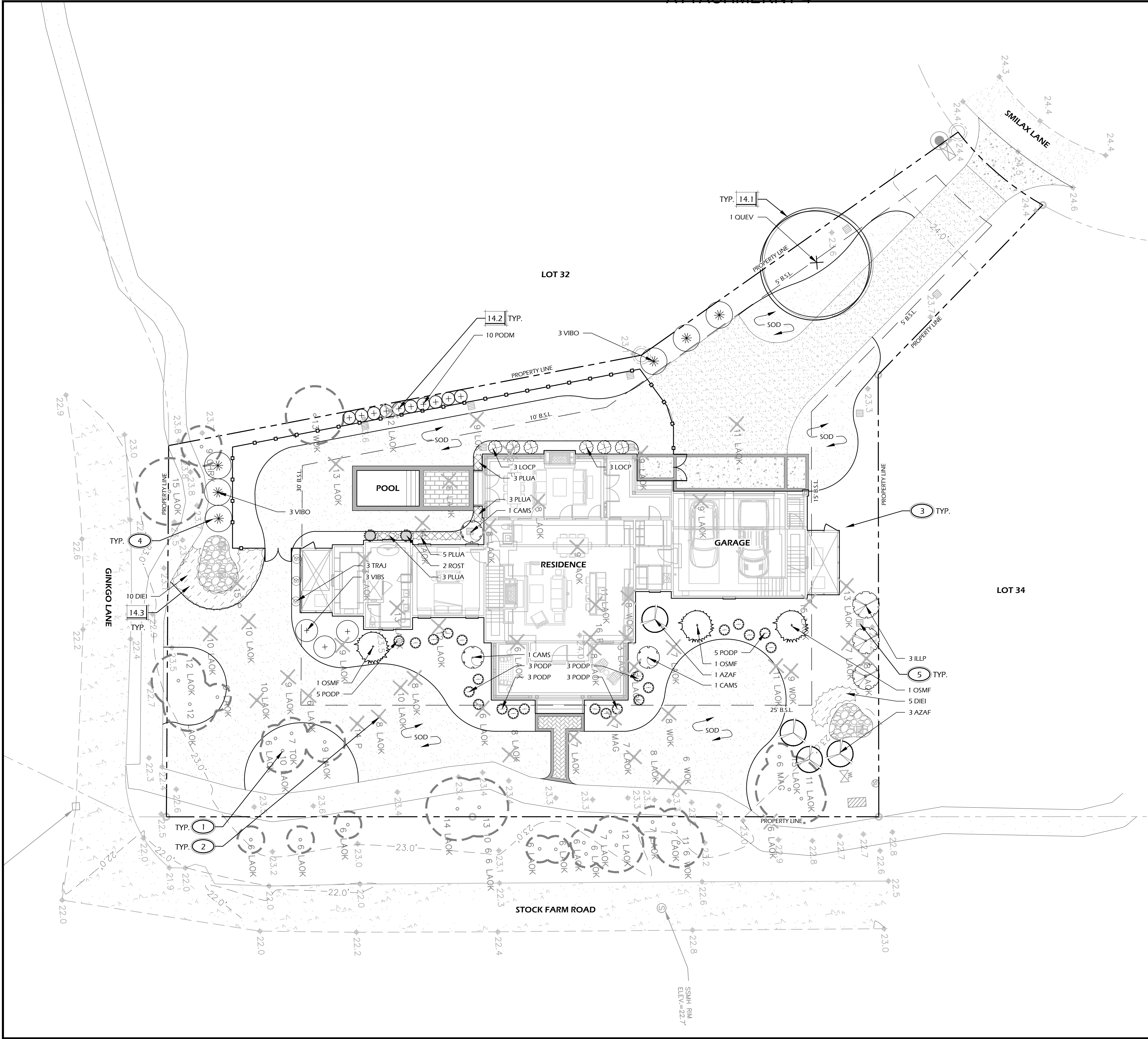
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DRAWING TITLE
GRADING PLAN

DRAWING NUMBER


L3



| PLANTING DETAILS | | |
|------------------|-----------------------|--------|
| CALL-OUT | DESCRIPTION | DETAIL |
| 14.1 | TREE PLANTING | 1/L5 |
| 14.2 | SHRUB PLANTING | 2/L5 |
| 14.3 | GROUND COVER PLANTING | 3/L5 |
| | | |

| Abbrev | Botanical Name | Common Name |
|--|--|-----------------------------------|
| TREES | | |
| QUEV | Quercus virginiana | Live Oak |
| SHRUBS | | |
| AZAF | Azalea indica 'Formosa' | Formosa Azalea |
| CAMS | Camellia sasanqua | Sasanqua Camellia |
| ILLP | Illicium parviflorum | Yellow Anise |
| LOCP | Loropetalum chinense 'PPI' PP25471 | Purple Daydream Dwarf Loropetalum |
| OSMF | Osmanthus fragrans | Fragrant Tea Olive |
| PODM | Podocarpus macrophyllus | Podocarpus |
| PODP | Podocarpus macrophyllus 'Pringles Dwarf' | Dwarf Podocarpus |
| ROST | Rosmarinus officinalis 'Tuscan Blue' | Tuscan Blue Rosemary |
| VIBO | Viburnum odoratissimum | Sweet Viburnum |
| VIBS | Viburnum suspensum | Sandankwa Viburnum |
| GROUND COVERS, VINES & PERENNIALS | | |
| DIEI | Diets iridioides | White African Iris |
| PLUA | Plumbago auriculata | Plumbago |
| TRAJ | Trachelospermum jasminoides | Confederate Jasmine |

- PLANTING REFERENCE NOTES:**
- EXISTING TREES TO REMAIN.
 - EXISTING TREES TO BE REMOVED.
 - MULCH DISTURBED AREAS DUE TO CONSTRUCTION.
 - CAREFULLY EXCAVATE SHRUB PITS IN VICINITY OF EXISTING TREES, WITHOUT DISTURBING TREE ROOTS.
 - PROTECT AREA DRAIN FROM CLOGGING DURING INSTALLATION OF PLANTS AND MULCH. MAINTAIN FUNCTIONALITY AND POSITIVE PITCH TO DRAIN.



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SITE DEVELOPMENT PLANS
FOR
HANSEN RESIDENCE
28 STOCK FARM / LOT 33
BLUFFTON/ SC

DATE: APR 17, 2024
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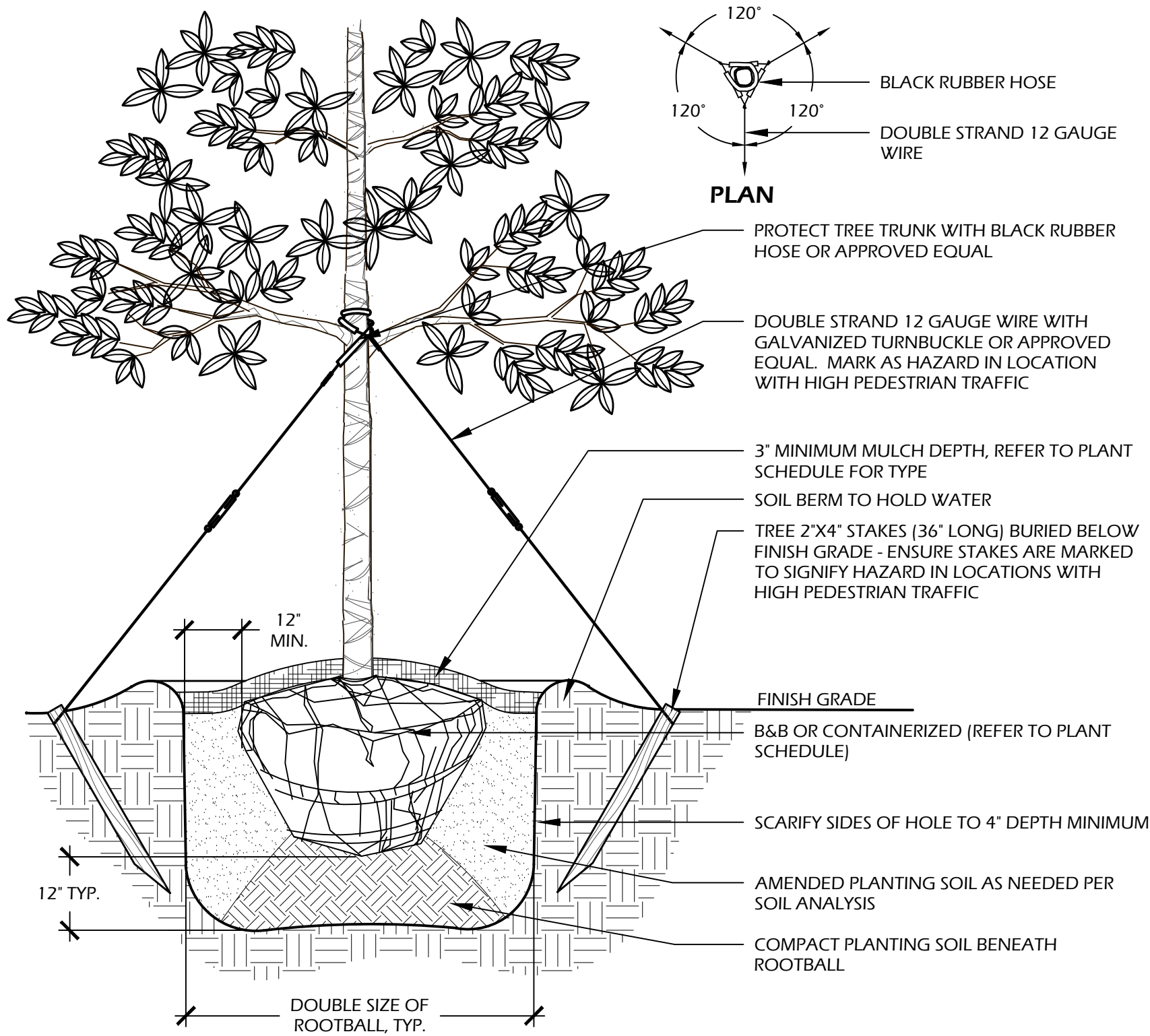
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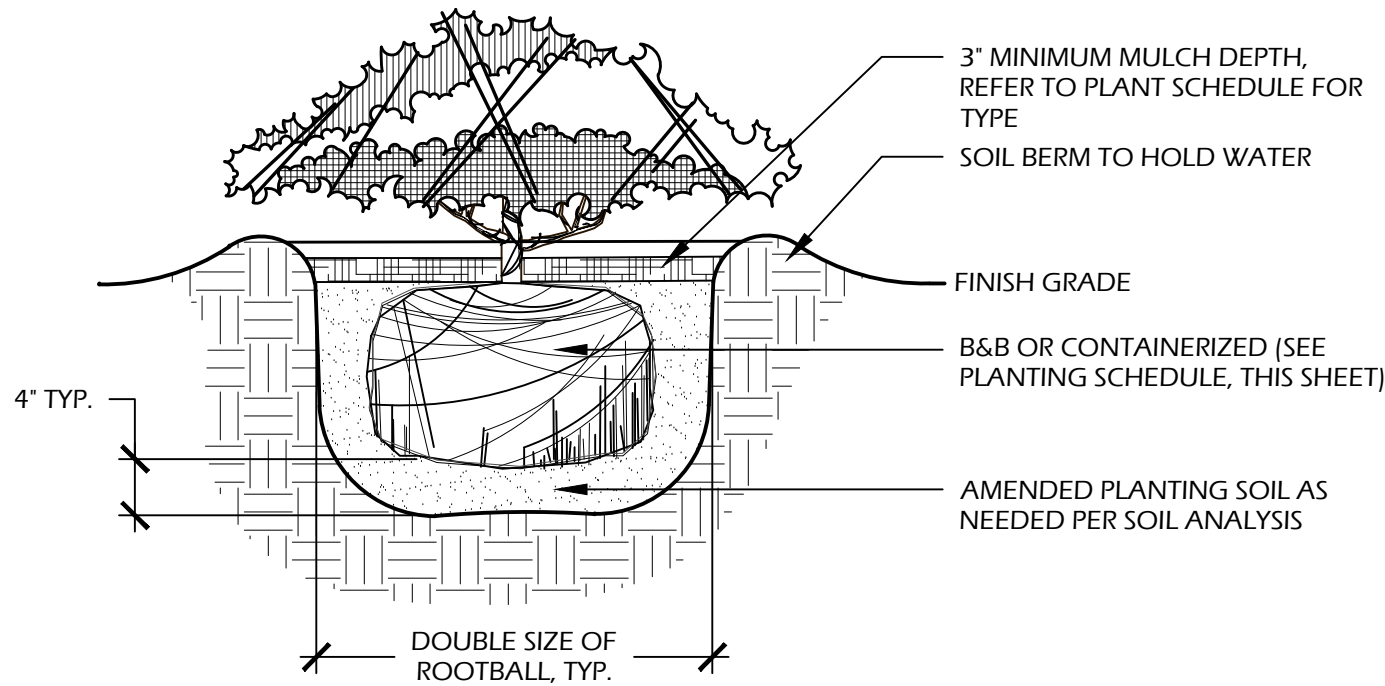
DRAWING TITLE
**LIGHTING AND PLANTING
PLAN**

DRAWING NUMBER
L4



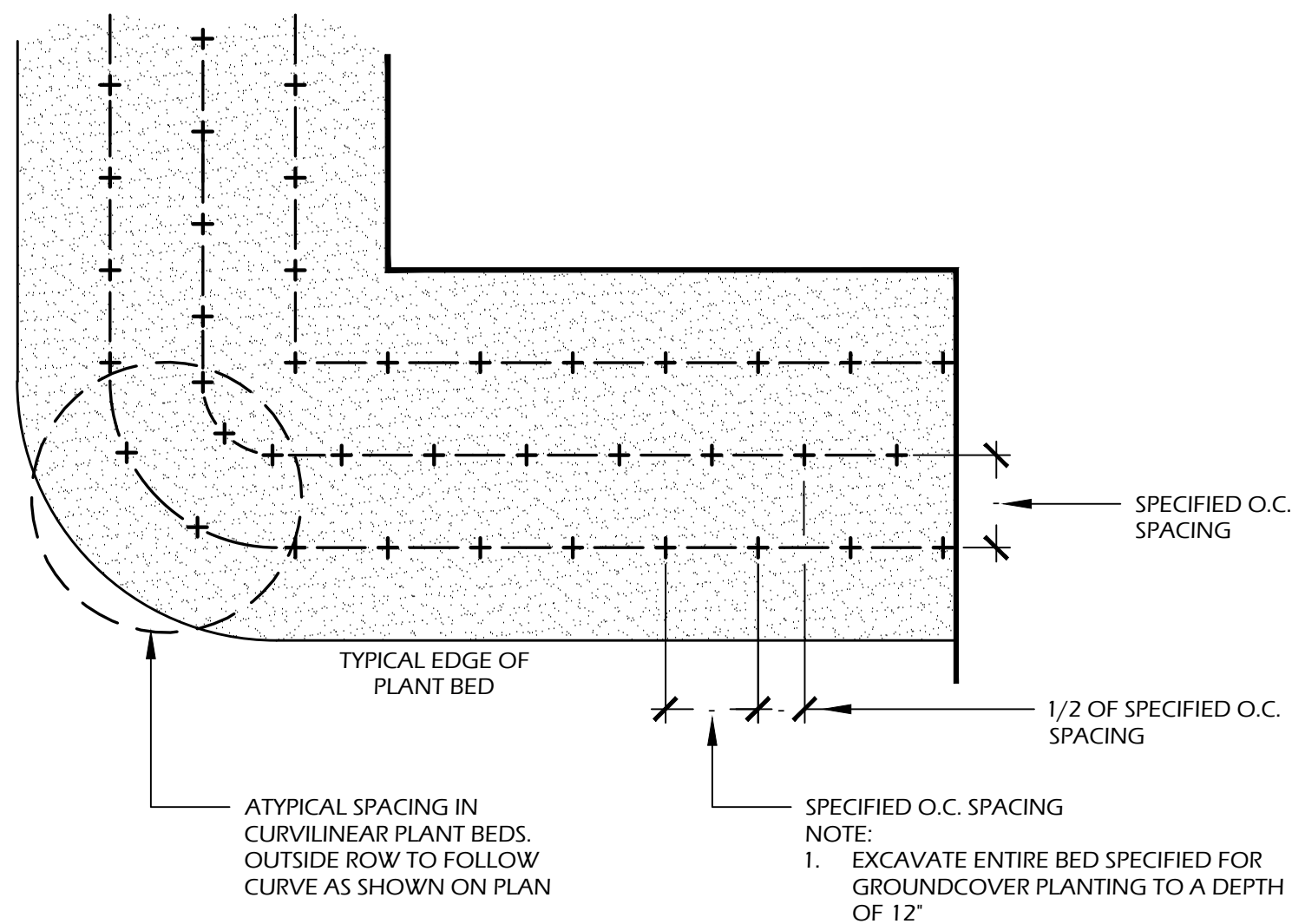
- NOTES:**
1. TREE STAKING OPTIONAL, HOWEVER, LANDSCAPE CONTRACTOR RESPONSIBLE FOR MAINTAINING TREES IN AN UPRIGHT (90 DEGREE/ PERPENDICULAR) POSITION FOR 1 YEAR AFTER PLANTING IS COMPLETE OR UNTIL TREE ROOT SYSTEM IS FULLY ESTABLISHED AND STURDY. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
 3. IN SEMI-IMPERVIOUS SOIL CONDITIONS, ROOTBALL ELEVATION SHALL BE 2" ABOVE FINISH GRADE. COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO SETTING ROOTBALL ELEVATIONS.

1 // L5 TREE PLANTING
SCALE: N.T.S.

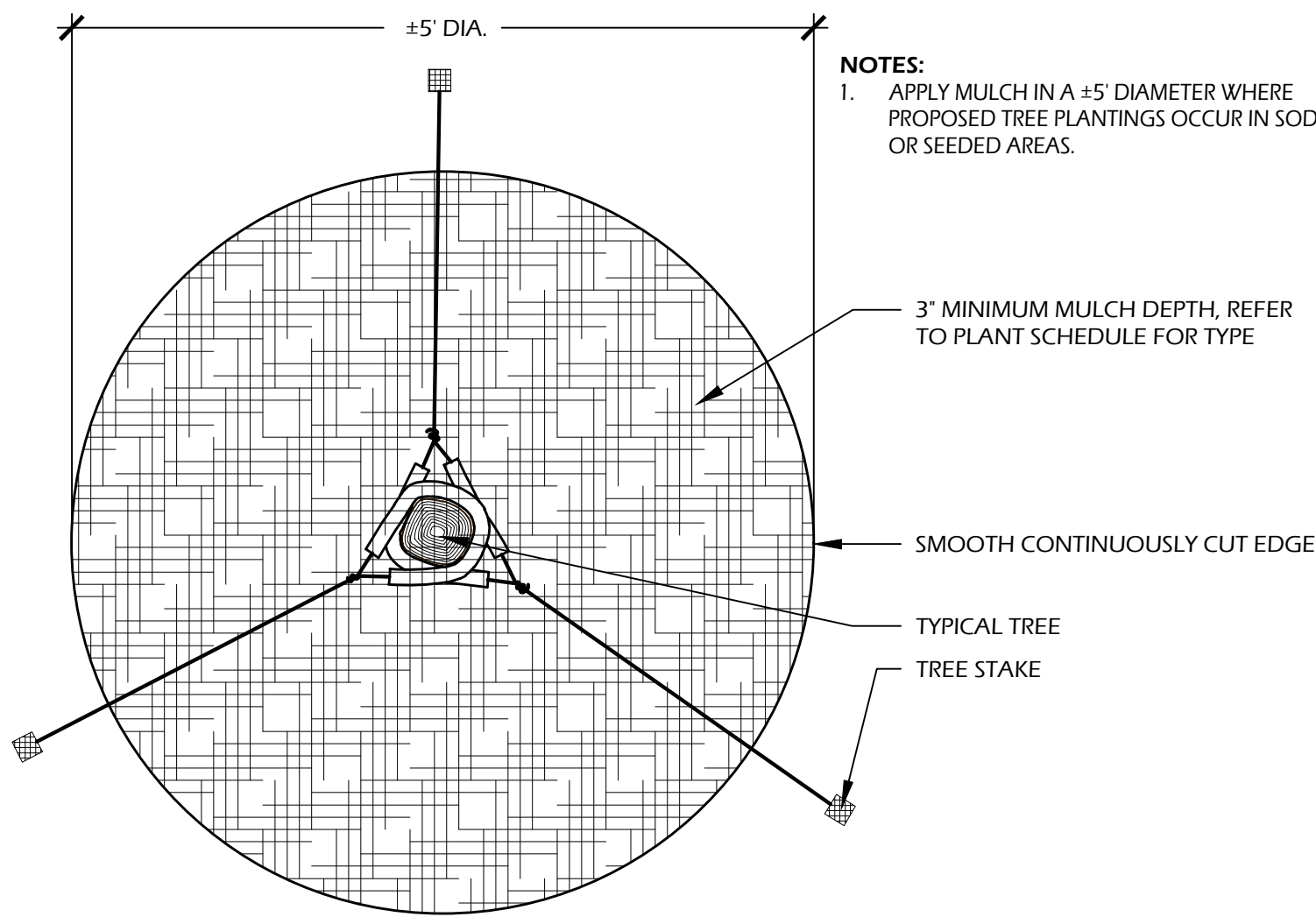


- NOTES:**
1. WHEN GROUNDCOVERS AND SHRUBS ARE USED IN MASSES, ENTIRE BED TO BE EXCAVATED TO RECEIVE PLANTING SOIL AND PLANT MATERIAL.
 2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
 3. IN SEMI-IMPERVIOUS SOIL CONDITIONS, ROOTBALL ELEVATION SHALL BE 2" ABOVE FINISH GRADE. COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO SETTING ROOTBALL ELEVATIONS.

2 // L5 SHRUB PLANTING
SCALE: N.T.S.



3 // L5 GROUND COVER PLANTING
SCALE: N.T.S.



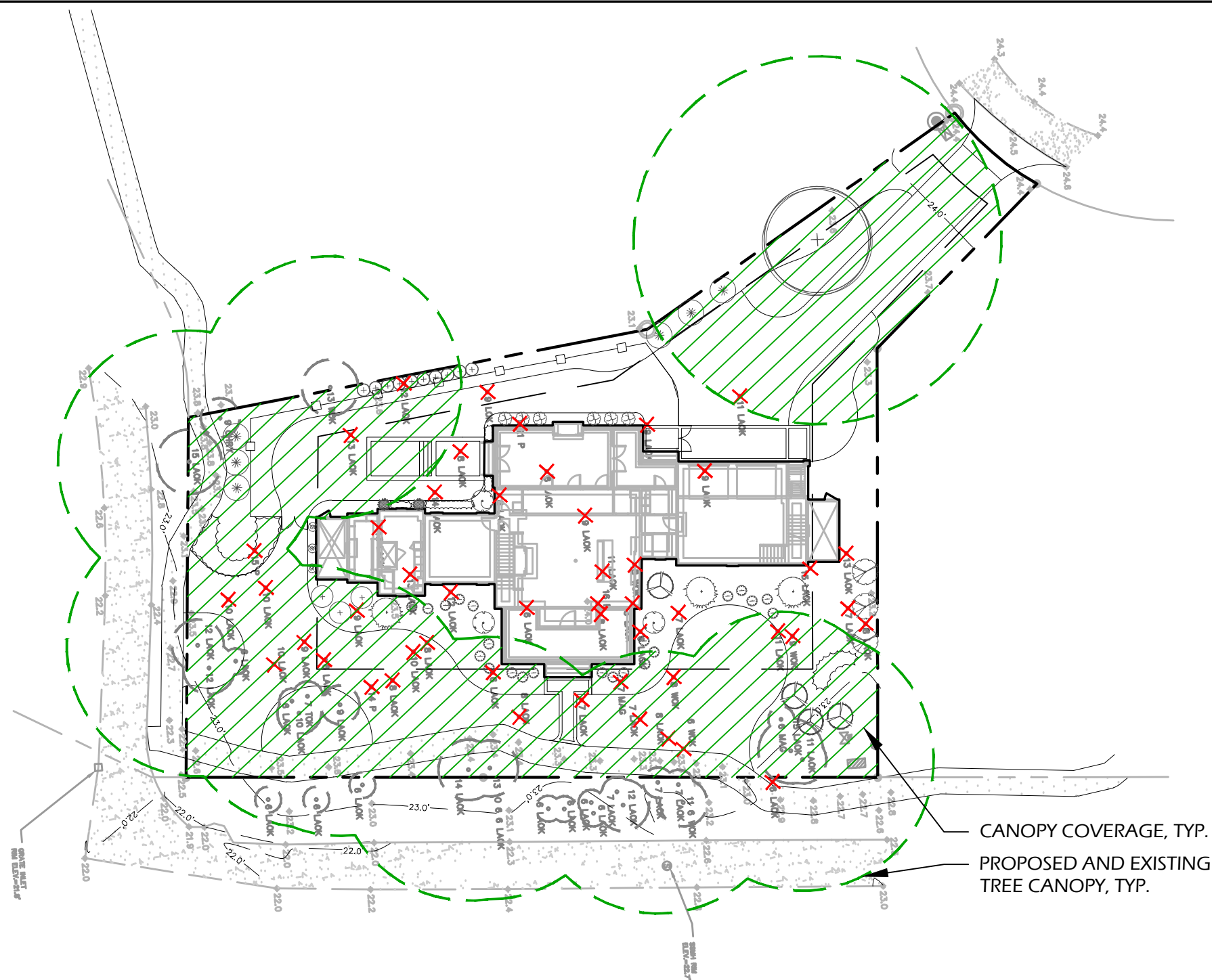
- NOTES:**
1. APPLY MULCH IN A ±5' DIAMETER WHERE PROPOSED TREE PLANTINGS OCCUR IN SOD OR SEEDED AREAS.

4 // L5 TREE STAKING
SCALE: N.T.S.

PLANT SCHEDULE:

| Quantity | Abbrev | Botanical Name | Common Name | Height | Spread | Container | Cal./Spacing | Notes |
|--|---------|--|-----------------------------------|---------|-------------|-----------|--------------|---------------------|
| TREES | | | | | | | | |
| 1 | QUEV | Quercus virginiana | Live Oak | 14'-16' | 6'-8' | Cont. | 4' | Full |
| SHRUBS | | | | | | | | |
| 4 | AZAF | Azalea indica 'Formosa' | Formosa Azalea | 30'-36" | 24'-30" | 7 gal. | - | Full |
| 3 | CAMS | Camellia sasanqua | Sasanqua Camellia | 3'-4' | 2'-3' | 15 gal. | - | Full, White Flowers |
| 3 | ILLP | Illicium parviflorum | Yellow Anise | 30'-36" | 24'-30" | 7 gal. | - | Full |
| 6 | LOCP | Loropetalum chinense 'PP1 PP25471 | Purple Daydream Dwarf Loropetalum | 18'-24" | 18'-24" | 7 gal. | - | Full |
| 3 | OSMF | Osmanthus fragrans | Fragrant Tea Olive | 36'-42" | 18'-24" | 7 gal. | - | Full |
| 10 | PODM | Podocarpus macrophyllus | Podocarpus | 36'-42" | 24'-30" | 15 gal. | - | Full |
| 22 | PODP | Podocarpus macrophyllus 'Pringles Dwarf' | Dwarf Podocarpus | 18'-24" | 16'-20" | 7 gal. | - | Full |
| 2 | ROST | Rosmarinus officinalis 'Tuscan Blue' | Tuscan Blue Rosemary | 12'-18" | 12'-18" | 3 gal. | 36" O.C. | Full |
| 8 | VIBO | Viburnum odoratissimum | Sweet Viburnum | 30'-36" | 24'-30" | 7 gal. | - | Full |
| 3 | VIBS | Viburnum suspensum | Sandankwa Viburnum | 30'-36" | 24'-30" | 7 gal. | - | Full |
| GROUND COVERS, VINES & PERENNIALS | | | | | | | | |
| 15 | DIEI | Diets iridioides | White African Iris | 12'-18" | 8'-12" | 1 gal. | 24" O.C. | Full |
| 14 | PLUA | Plumbago auriculata | Plumbago | 12'-18" | 12'-18" | 1 gal. | 24" O.C. | Blue Flowers, Full |
| 3 | TRAJ | Trachelospermum jasminoides | Confederate Jasmine | 4'-6" | 12" runners | 1 gal. | 18" O.C. | Full |
| SOD & MULCH | | | | | | | | |
| 4,800 | SODSF | - | Empire Zoysia Sod | - | - | - | - | - |
| 5,500 | MULCHSF | Pine Straw - all disturbed areas | Pine Straw | - | - | - | - | - |

TREE CANOPY DIAGRAM:



SCALE: 1" = 30'-0"

| CANOPY COVERAGE TABLE | |
|--|----------------------|
| DESCRIPTION | ACTUAL COVERAGE (SF) |
| TOTAL LIMIT OF WORK AREA | 17,422 S.F. |
| BUILDING FOOTPRINT | 3,632 S.F. |
| REMAINING SITE AREA | 13,790 S.F. |
| MATURE CANOPY COVERAGE (EXISTING AND PROPOSED) | 10,513 S.F. |
| % CANOPY COVERAGE (75% MIN.) | 76.2% |

SITE DEVELOPMENT PLANS
FOR
HANSEN RESIDENCE
28 STOCK FARM / LOT 33
BLUFFTON/ SC

DATE: APR 17, 2024
PROJECT NO.: 24-054-01
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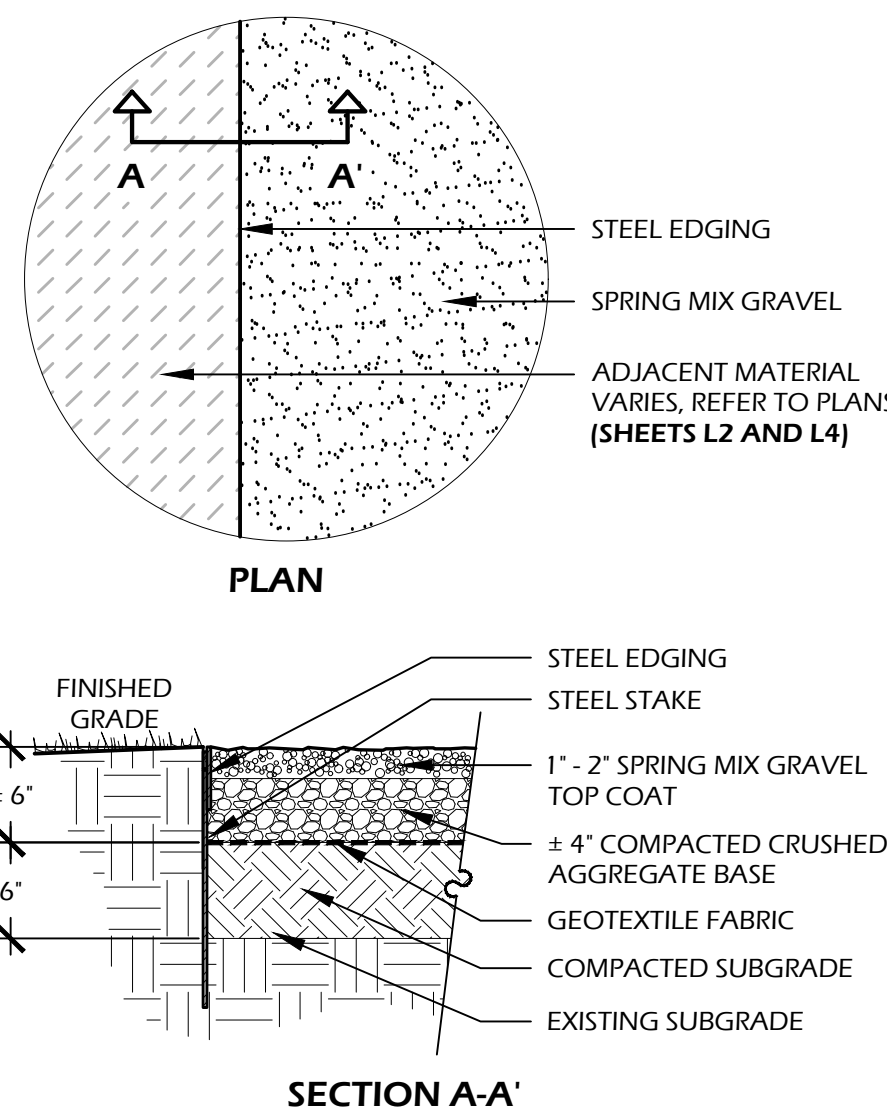
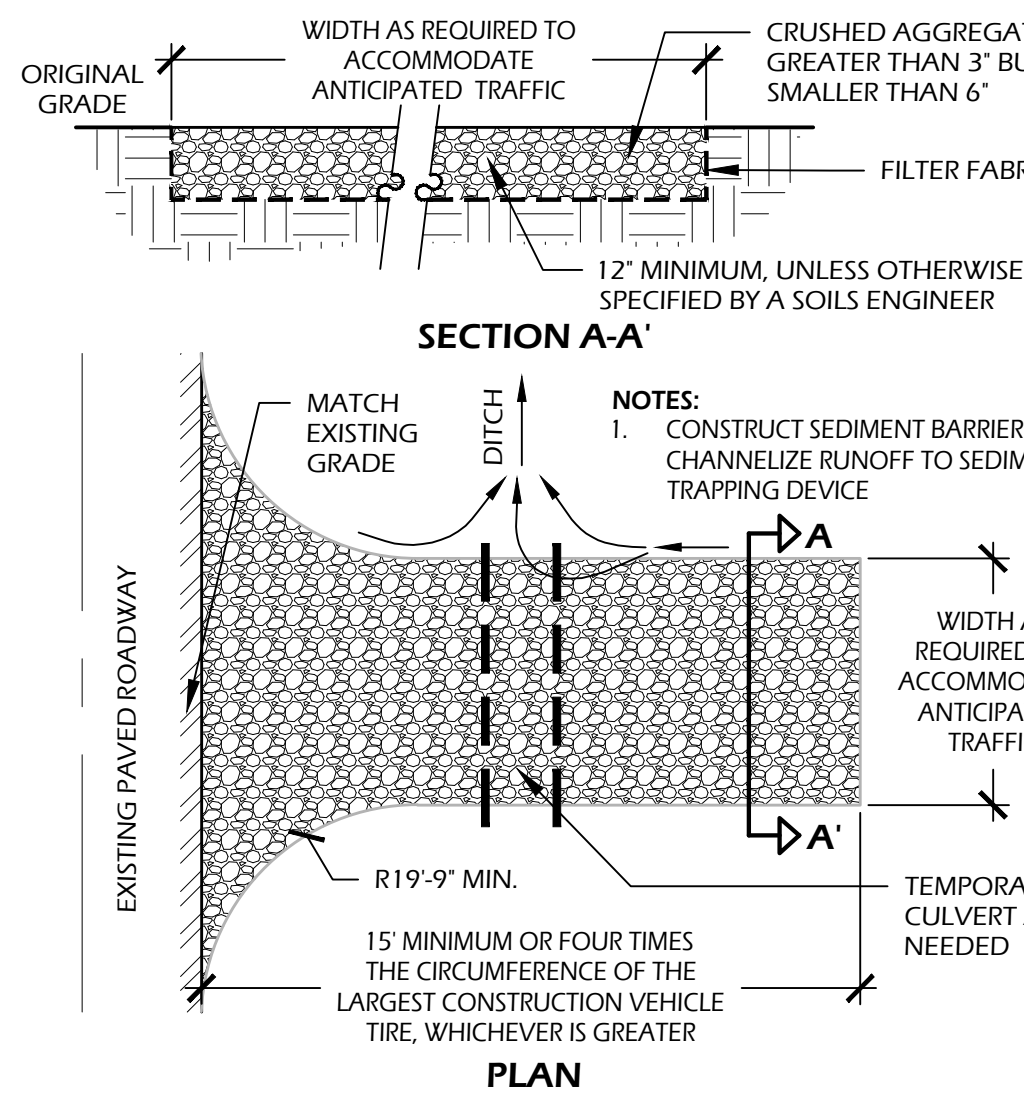
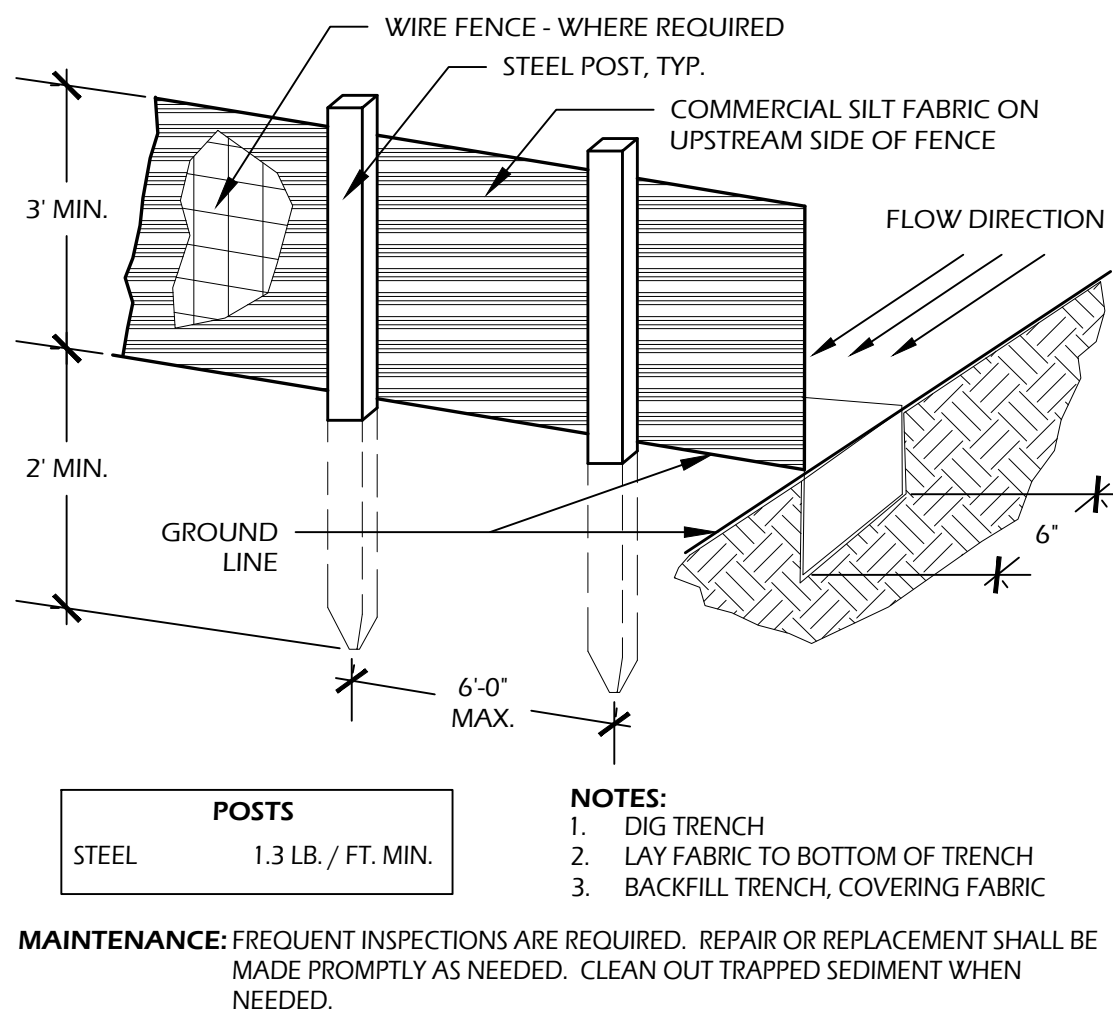
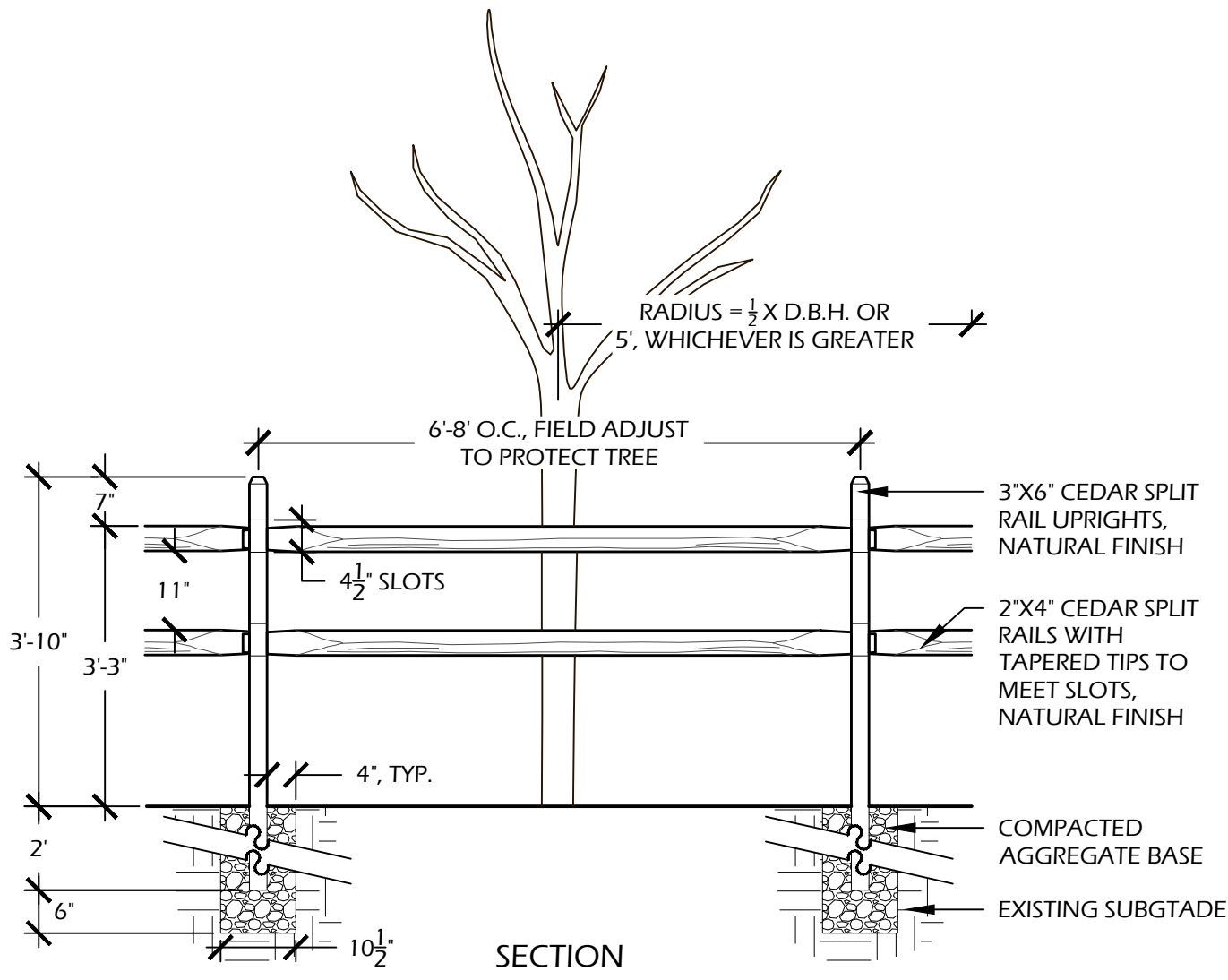
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DRAWING TITLE
**PLANT SCHEDULE AND
DETAILS**

DRAWING NUMBER
L5



EDGING AND STAKE INFORMATION:
MANUFACTURER:
BORDER CONCEPTS, INC.
7621 LITTLE AVE., SUITE 426
CHARLOTTE, NC. 28226
PHONE: (800) 845.3343
WEB: WWW.BORDER CONCEPTS.COM
STEEL EDGE: BORDER GUARD 3/16" X 4" X 16'
STAKES: STANDARD STAKE 3/16" THICK X 15'
LONG (6 PER 16')
COLOR: BLACK
NOTE: INSTALL FLUSH PER MANUFACTURES SPECIFICATIONS

OTHER INFORMATION:
GEOTEXTILE FABRIC: TYPAR 3401 OR APPROVED EQUAL
SOIL COMPACTION: 95% STANDARD PROCTOR

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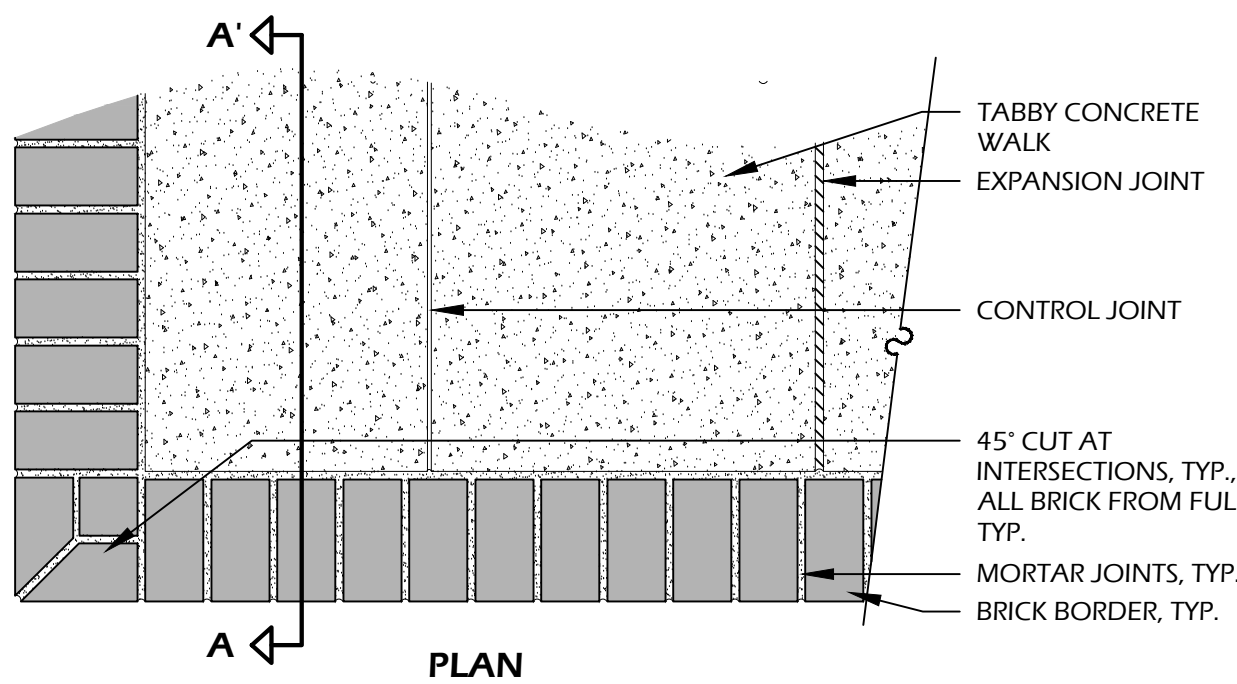
SITE DEVELOPMENT PLANS
FOR
HANSEN RESIDENCE
28 STOCK FARM / LOT 33
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1 // L6 TREE PROTECTION FENCE
SCALE: N.T.S.

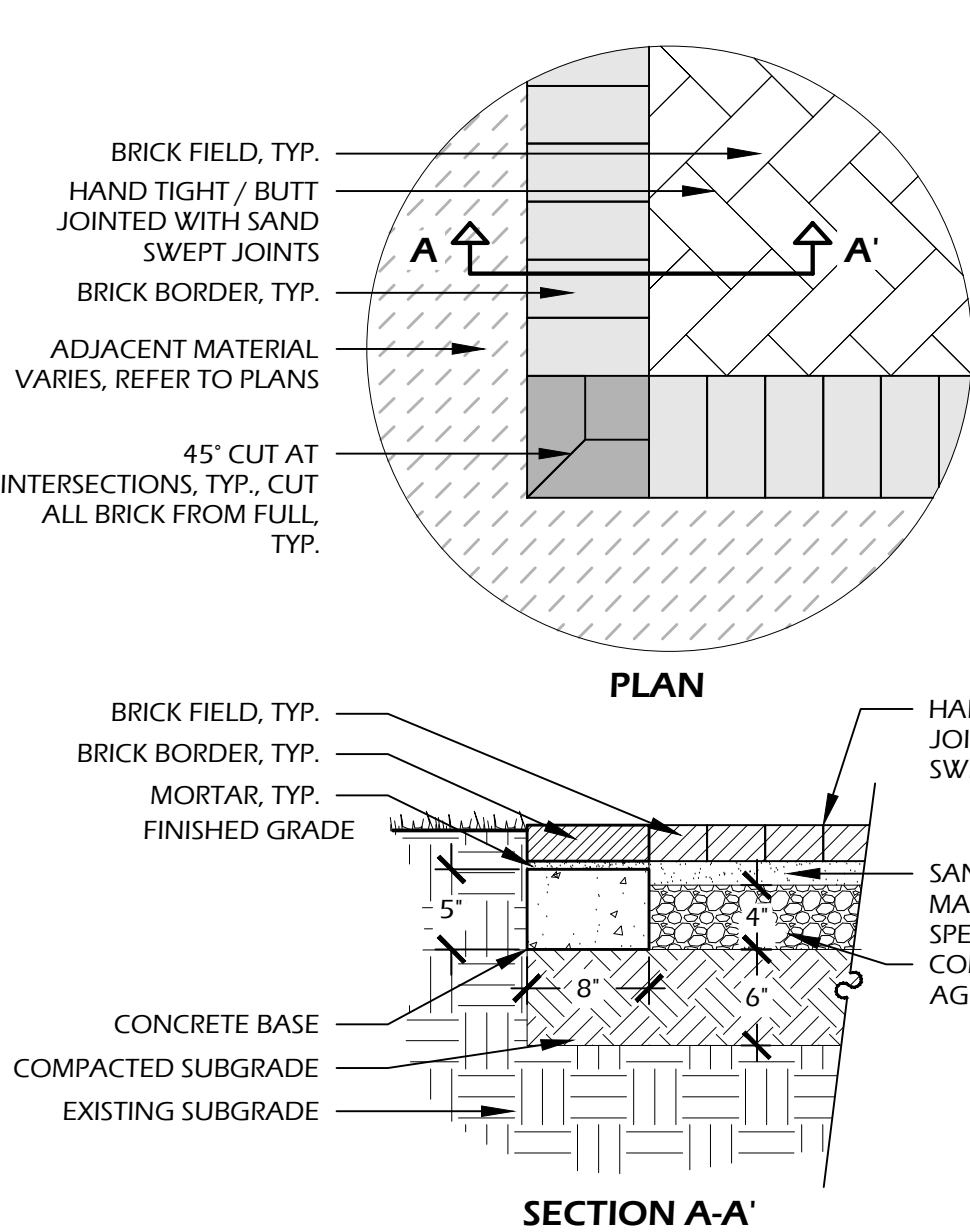
2 // L6 SILT FENCE
SCALE: N.T.S.

3 // L6 TEMPORARY CONSTRUCTION ENTRANCE
SCALE: N.T.S.

4 // L6 SPRING GRAVEL DRIVE
SCALE: 1" - 1'-0"

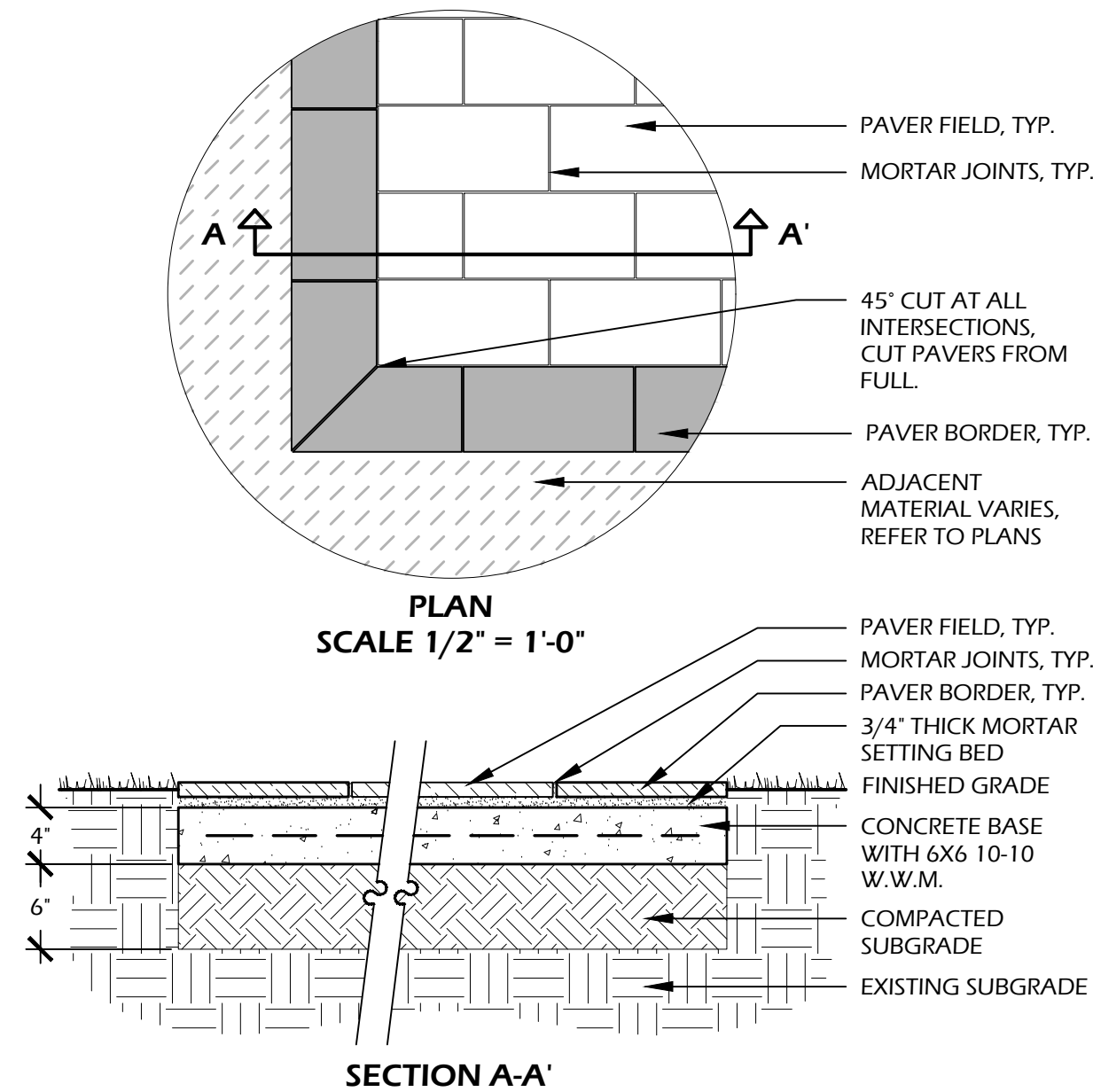


CONCRETE INFORMATION:
CONCRETE: 3,000 P.S.I. AT 28 DAYS
FINISH: TABBY SHELL
TABBY SPEC:
1. SHELL FINISH SHALL BE OYSTER SHELL MIX (EQUAL PARTS, SIZE #2, AND #3) HAND THROWN / SPREAD TO 100% COVERAGE ON FRESH POURED AND LEVELED CONCRETE.
2. HAND FLOAT UNTIL SHELL IS SUBMERGED, THEN AFTER 90% CURED, LIGHTLY PRESSURE WASH UNTIL SHELL IS EXPOSED.
BRICK MANUFACTURER INFORMATION:
MANUFACTURER: TO MATCH ARCHITECTURE
BRICK: TO MATCH ARCHITECTURE
COLOR: TO MATCH ARCHITECTURE
PATTERN: SINGLE HEADER COURSE BORDER
JOINTS: TO MATCH ARCHITECTURE
SOIL INFORMATION:
SOIL COMPACTION: 95% STANDARD PROCTOR
NOTES:
1. PROVIDE 1% MIN., 2% MAX. CROSS SLOPE ON ALL PAVED SURFACES FOR POSITIVE DRAINAGE.
2. REFER TO PLAN (SHEET L2) FOR WIDTHS OF WALK.
3. CONSTRUCT EXPANSION JOINTS WHERE WALK MEETS CURBS, STEPS, WALLS OR FIXED SLABS.
4. UPON REQUEST, CONTRACTOR SHALL PROVIDE 4'X4' SAMPLE OF CONCRETE WITH 2 SIZES OF OYSTER SHELL FINISH FOR APPROVAL BY OWNER OR LANDSCAPE ARCHITECT.



BRICK MANUFACTURER INFORMATION:
MANUFACTURER: TO MATCH ARCHITECTURE
BRICK: TO MATCH ARCHITECTURE
COLOR: TO MATCH ARCHITECTURE
PATTERN: HERRINGBONE FIELD (REFER TO PLAN, SHEET L100, FOR DIRECTION) WITH SINGLE HEADER COURSE BORDER
JOINTS: HAND TIGHT / BUTT JOINTED, SAND SWEEP
OTHER INFORMATION:
CONCRETE: 3,000 P.S.I. AT 28 DAYS
SOIL COMPACTION: 95% STANDARD PROCTOR

NOTES:
1. PROVIDE 1% MIN., 2% MAX. CROSS SLOPE ON ALL PAVED SURFACES FOR POSITIVE DRAINAGE.
2. REFER TO PLAN (SHEET L100) FOR WIDTHS OF WALKS AND LOCATION OF BRICK BORDERS.
3. CONTRACTOR SHALL COORDINATE BORDERS AND PATTERN WITH OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
4. UPON REQUEST, CONTRACTOR SHALL PROVIDE 4'X4' PAVING PANELS OF ALTERNATIVE COLORS PRIOR TO CONSTRUCTION FOR APPROVAL BY OWNER OR LANDSCAPE ARCHITECT.



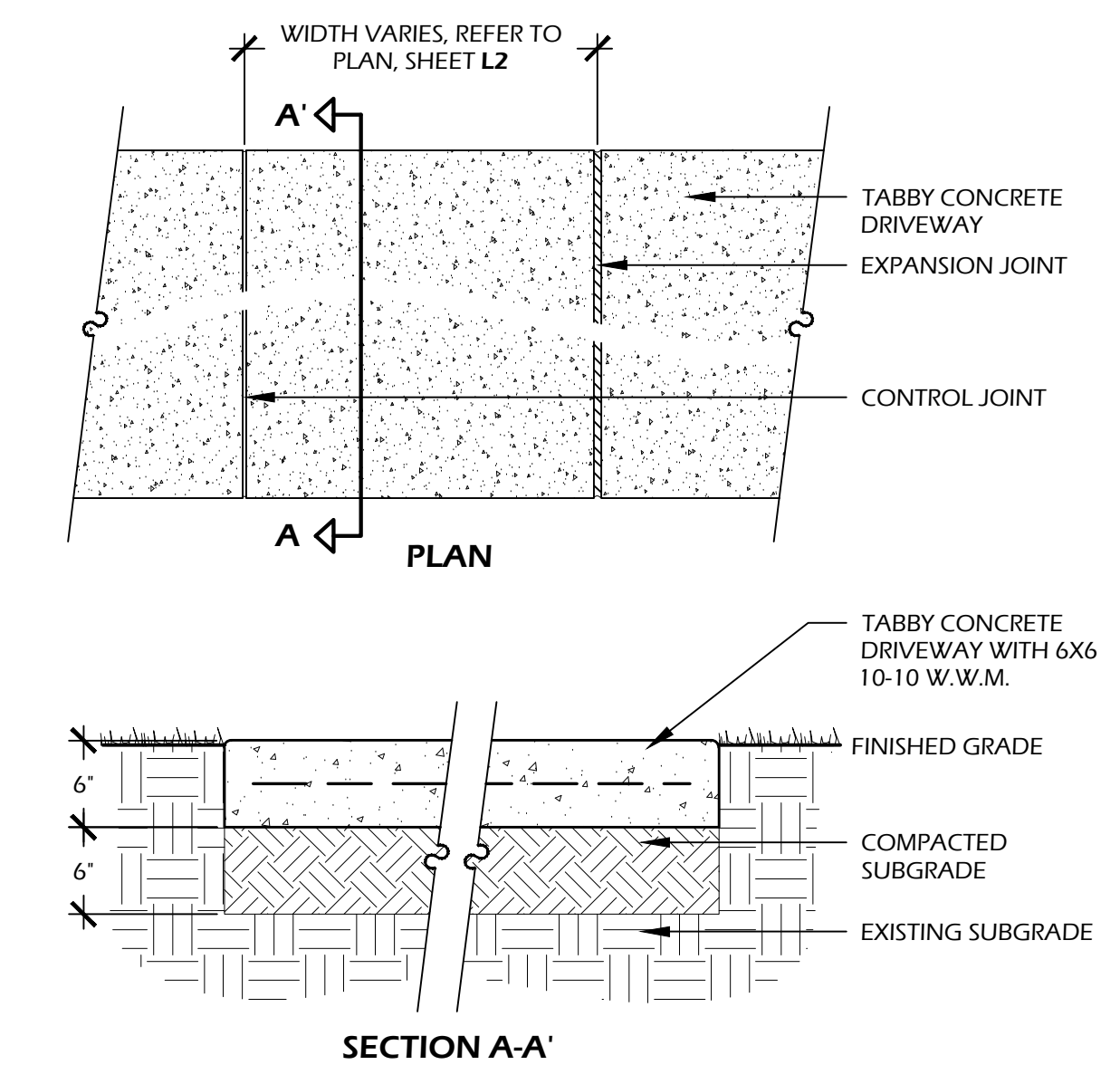
PAVER SUPPLIER INFORMATION:
SAVANNAH HARDSCAPES
46 MCDOWELL CIRCLE
HARDEEVILLE, SC. 29927
PHONE: (843) 784.6060
WEB: WWW.SAVANNAHHARDSCAPES.COM
PAVER: OLD WORLD TABBY 12"X24" PAVERS, 1" THICK
PATTERN: RUNNING BOND FIELD (REFER TO PLAN, SHEET L2, FOR DIRECTION) WITH SINGLE STRETCHER COURSE BORDER
JOINTS: 1/4" MAX. RAKED FINISH, IVORY BUFF COLOR
OTHER INFORMATION:
CONCRETE: 3,000 P.S.I. AT 28 DAYS
SOIL: 95% STANDARD PROCTOR

NOTES:
1. PROVIDE MIN. 1% CROSS SLOPE ON ALL PAVED SURFACES FOR POSITIVE DRAINAGE.
2. REFER TO PLAN (SHEET L2) FOR WIDTHS OF WALK AND LOCATION BORDERS.
3. CONTRACTOR SHALL COORDINATE PATTERN WITH OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
4. UPON REQUEST, CONTRACTOR SHALL PROVIDE A 4'X4' PAVING PANEL PRIOR TO CONSTRUCTION FOR APPROVAL BY OWNER OR LANDSCAPE ARCHITECT.

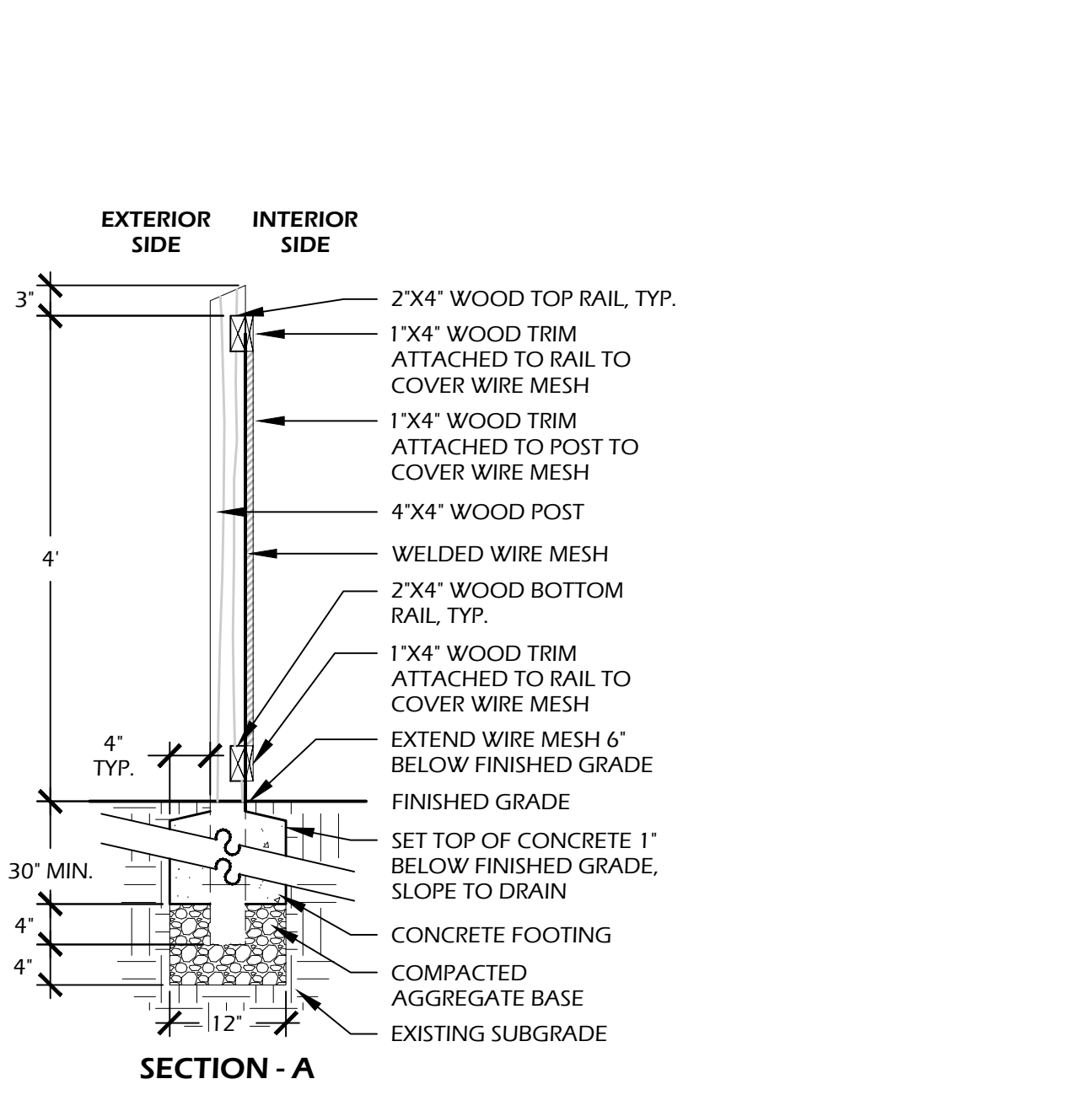
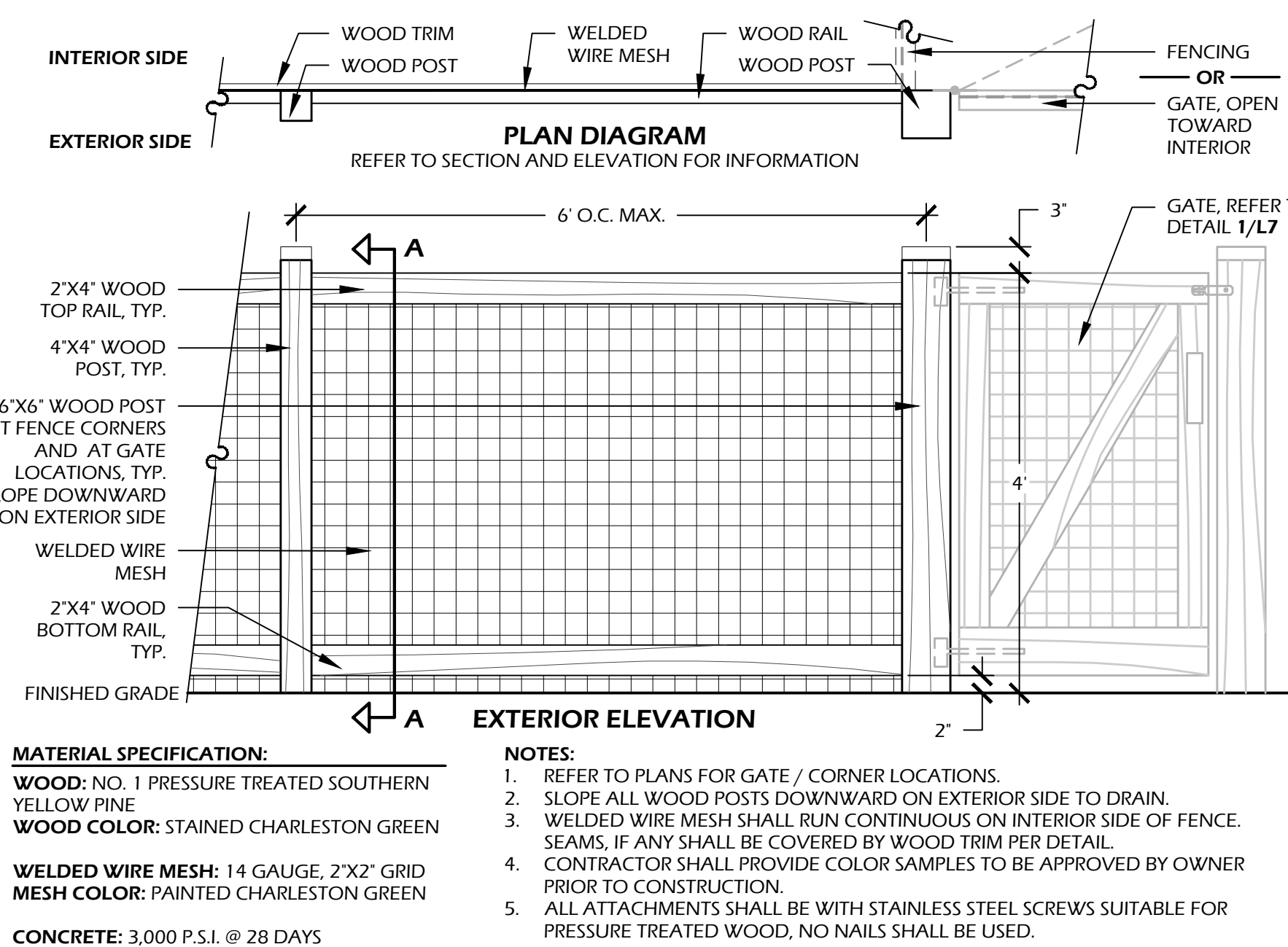
5 // L6 TABBY APRON WITH BRICK BORDER
SCALE: 1" - 1'-0"

6 // L6 BRICK WALK / LANDING
SCALE: 1" - 1'-0"

7 // L6 STONE LANDING
SCALE: 1" - 1'-0"



CONCRETE INFORMATION:
CONCRETE: 3,000 P.S.I. AT 28 DAYS
FINISH: TABBY SHELL
SOIL INFORMATION:
SOIL COMPACTION: 95% STANDARD PROCTOR
TABBY SPEC:
1. SHELL FINISH SHALL BE OYSTER SHELL MIX (EQUAL PARTS, SIZE #2, AND #3) HAND THROWN / SPREAD TO 100% COVERAGE ON FRESH POURED AND LEVELED CONCRETE.
2. HAND FLOAT UNTIL SHELL IS SUBMERGED, THEN AFTER 90% CURED, LIGHTLY PRESSURE WASH UNTIL SHELL IS EXPOSED.
NOTES:
1. PROVIDE 1% MIN., 2% MAX. CROSS SLOPE ON ALL PAVED SURFACES FOR POSITIVE DRAINAGE.
2. REFER TO PLAN (SHEET L2) FOR WIDTHS OF DRIVEWAY.
3. CONSTRUCT EXPANSION JOINTS WHERE WALK MEETS CURBS, STEPS, WALLS OR FIXED SLABS.
4. UPON REQUEST, CONTRACTOR SHALL PROVIDE 4'X4' SAMPLE OF CONCRETE WITH 2 SIZES OF OYSTER SHELL FINISH FOR APPROVAL BY OWNER OR LANDSCAPE ARCHITECT.



8 // L6 TABBY APRON
SCALE: 1" - 1'-0"

9 // L6 LIVING FENCE
SCALE: 3/4" - 1'-0"

DATE: APR 17, 2024
PROJECT NO.: 24-054-01
DRAWN BY: JM/ER
CHECKED BY: DK

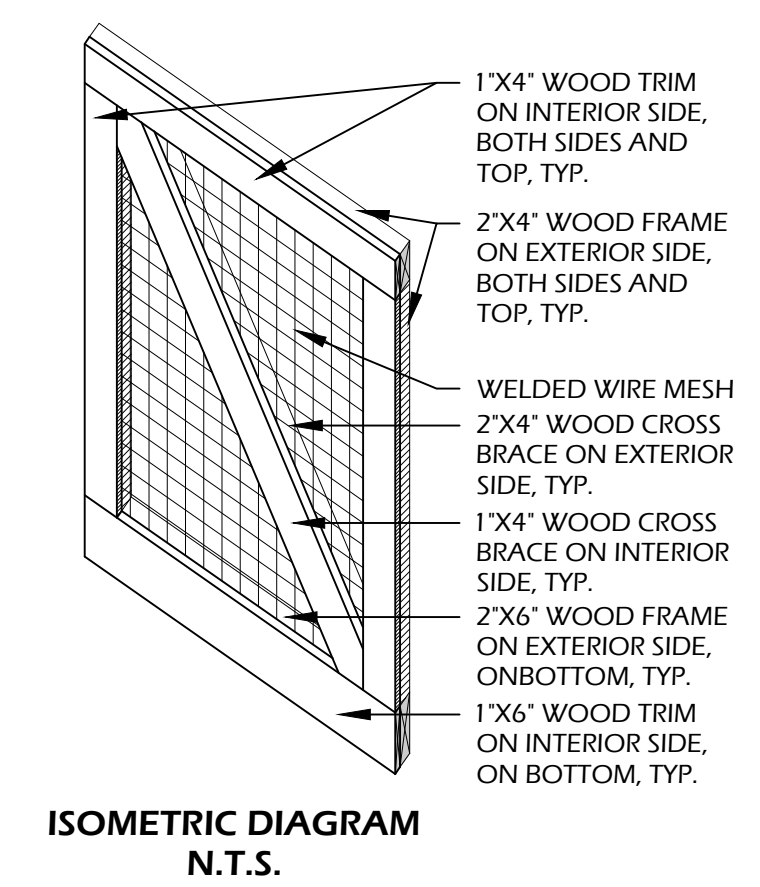
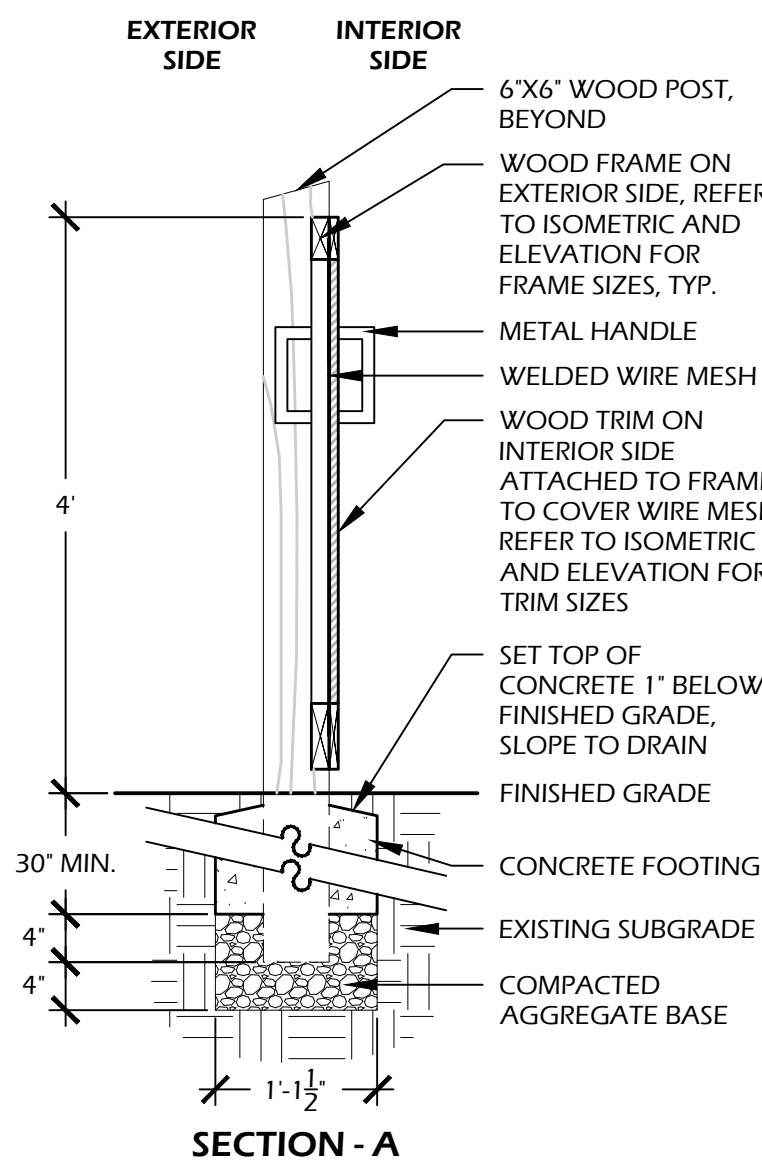
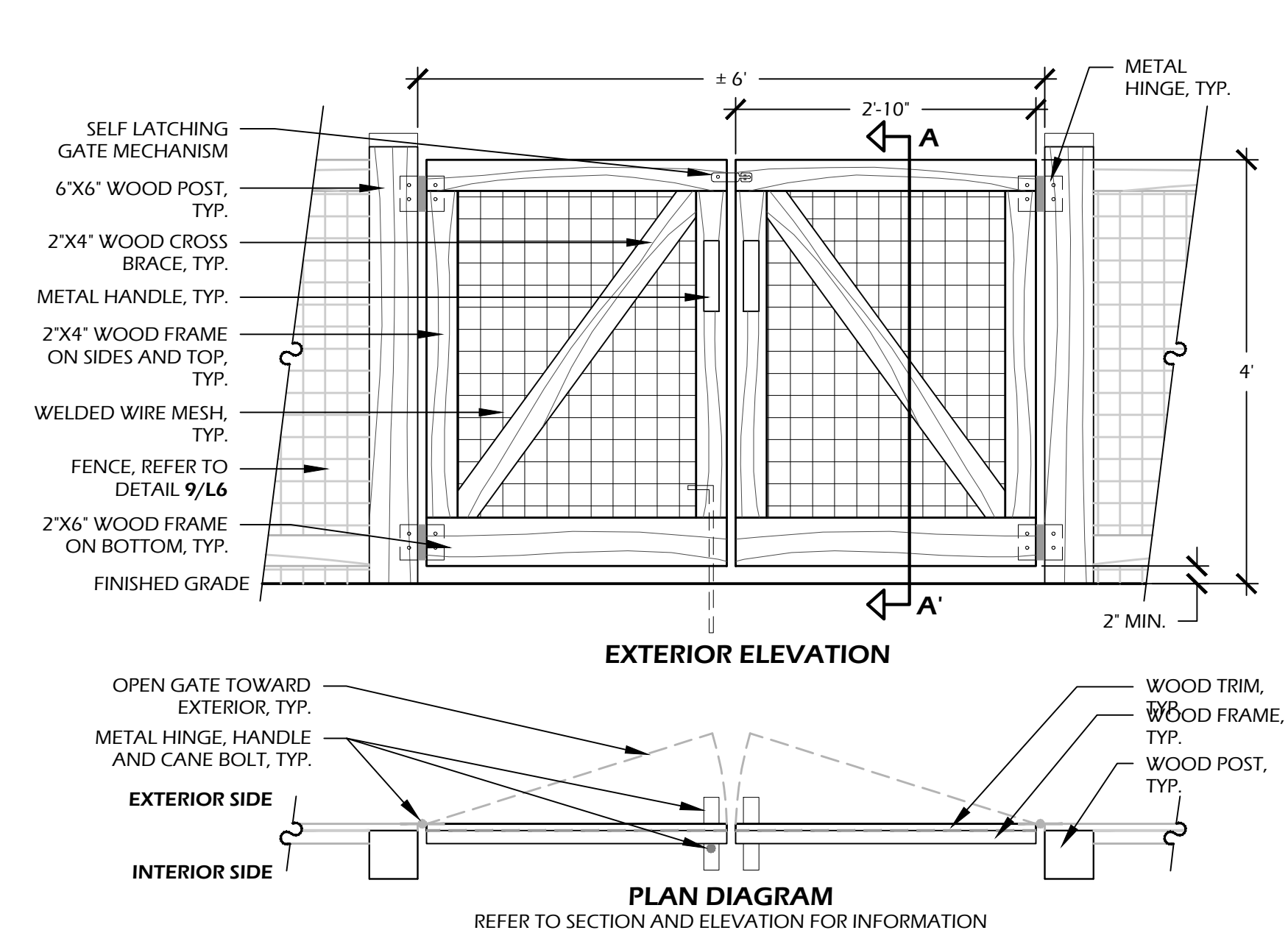
FINAL SUBMITTAL
PLAN, NOT FOR
CONSTRUCTION

REVISIONS:

DRAWING TITLE
SITE DETAILS - 01

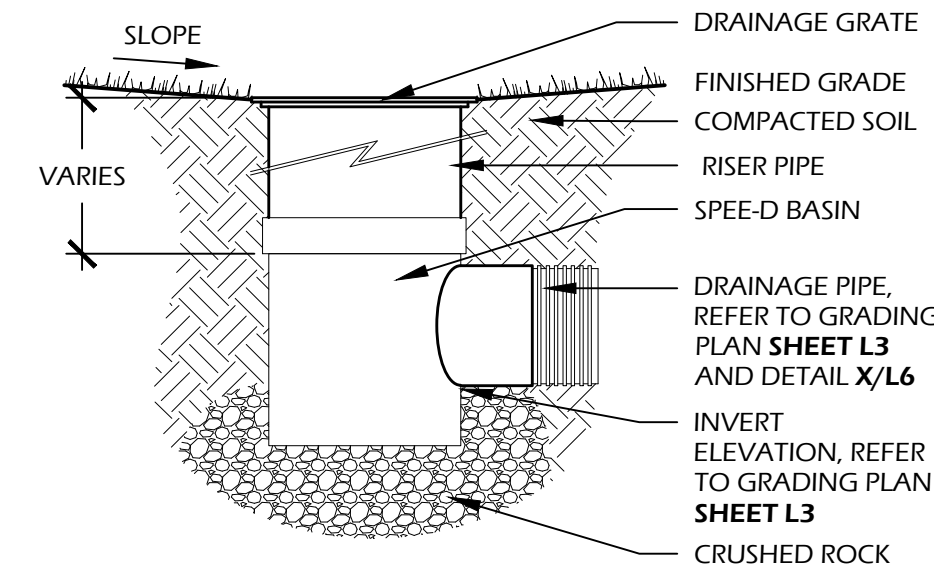
DRAWING NUMBER

L6



MATERIAL SPECIFICATION:
WOOD: NO. 1 PRESSURE TREATED SOUTHERN YELLOW PINE
WOOD COLOR: STAINED CHARLESTON GREEN
WELDED WIRE MESH: 14 GAUGE, 2"x2" GRID
MESH COLOR: PAINTED CHARLESTON GREEN
CONCRETE: 3,000 P.S.I. @ 28 DAYS

LATCH AND HINGE INFORMATION:
LATCH: (METAL) SELF LATCHING, BLACK IN COLOR, MODEL BY OWNER, MOUNT ON INTERIOR SIDE OF FENCE
HINGE: (METAL) BLACK IN COLOR, MODEL BY OWNER, MOUNT ON INTERIOR SIDE OF FENCE / GATE
HANDLE: (METAL), BLACK IN COLOR, MODEL BY OWNER, MOUNT ON BOTH SIDES OF GATE
CANE BOLT: (METAL), BLACK IN COLOR, BY OWNER, MOUNT ON INTERIOR SIDE OF GATE



MANUFACTURER INFO:
NATIONAL DIVERSIFIED SALES, INC.
851 N. HARVARD AVE.
LINDSAY, CA. 93247
PHONE: (800) 726.1994
WEB: WWW.NDSPRO.COM

DRAINAGE GRATE: #40, 6" ROUND GRATE
PIPE COLOR: BLACK
PIPE INFO: STRUCTURAL FOAM POLYOLEFIN GRATE WITH U.V. INHIBITOR

CATCH BASIN: #101, 6" ROUND SPEED-D BASIN WITH 3" AND 4" LOCKING OUTLET
PIPE COLOR: BLACK
PIPE INFO: STYRENE CATCH BASIN WITH LOCKING OUTLET

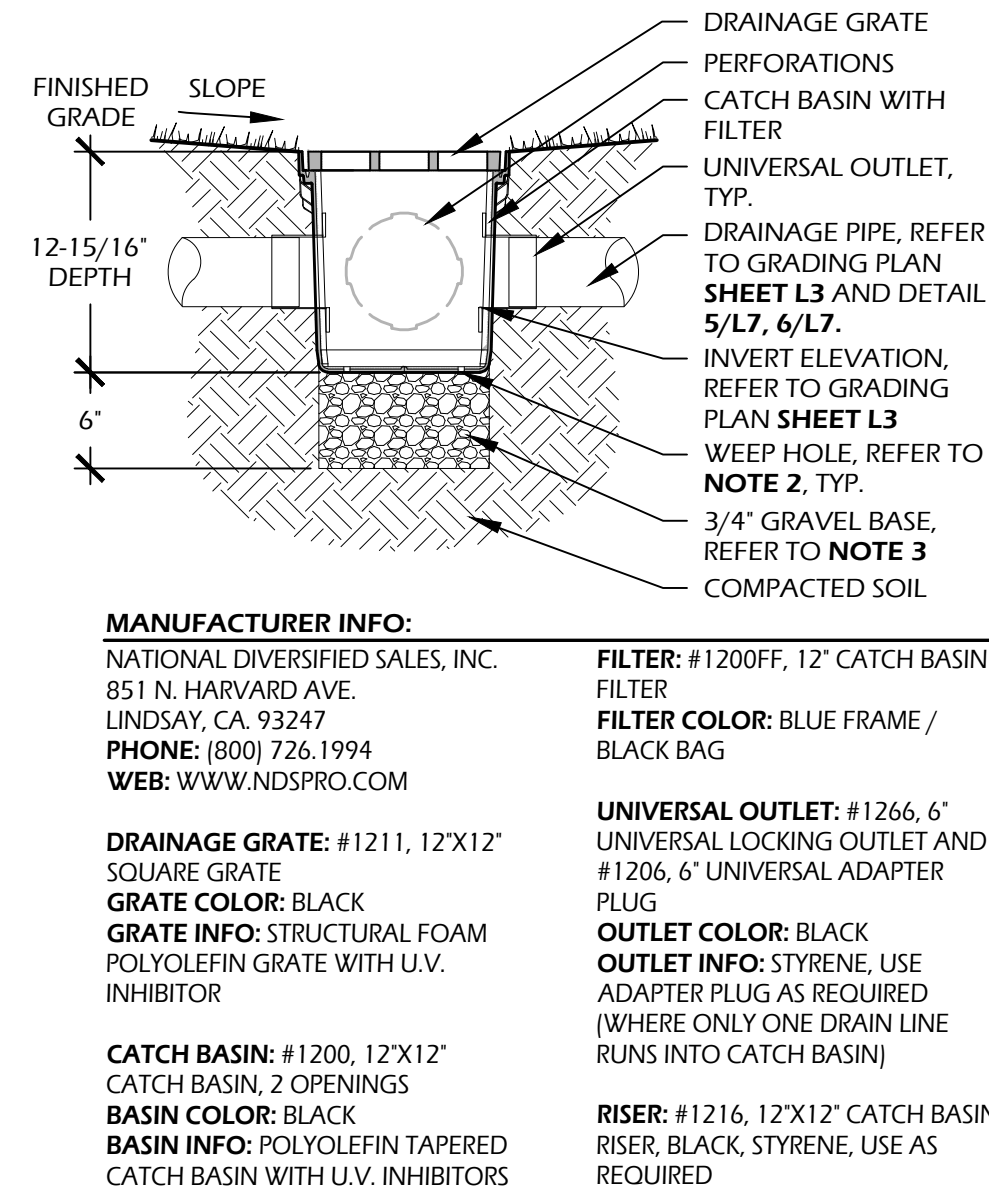
RISER: #66, 6" SEWER AND DRAIN RISER PIPE, LENGTH AND USE AS REQUIRED

- NOTES:**
1. INSTALL TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWING.
 3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTOR, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
 4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 5. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT WWW.CADDDETAILS.COM/INFO AND ENTER REFERENCE NUMBER 558-206

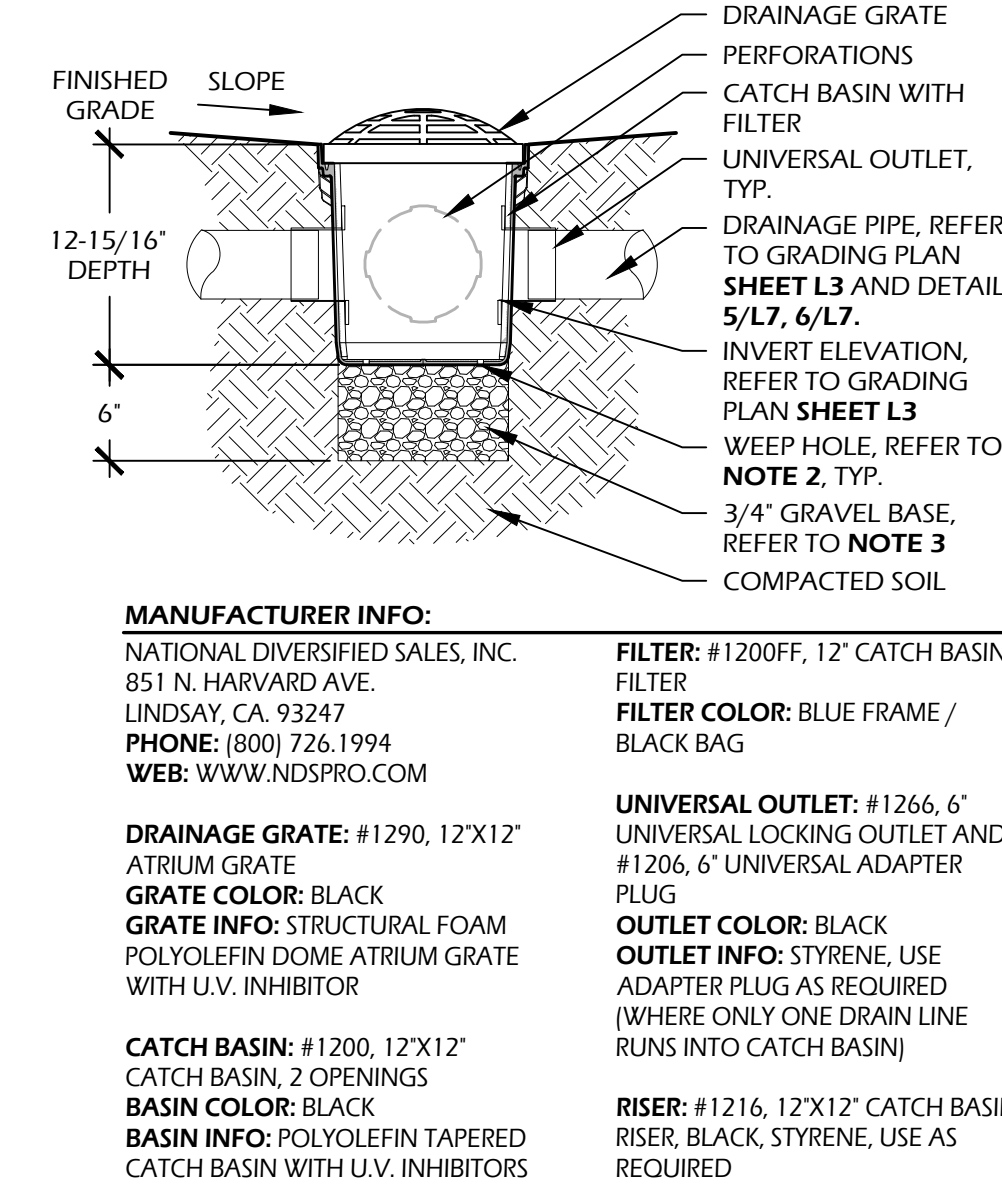


1 // L7 GATE
SCALE: 3/4" = 1'-0"

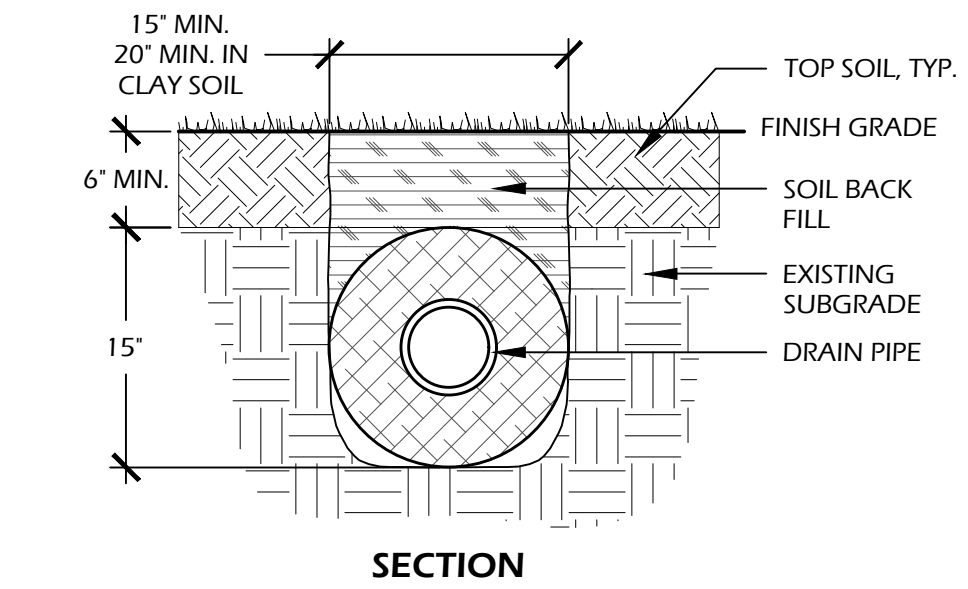
2 // L7 6" AREA DRAIN
SCALE: N.T.S.



- NOTES:**
1. THIS DETAIL IS USED FOR DESIGN INTENT ONLY. REFER TO TO MANUFACTURERS DETAIL AND SPECIFICATIONS FOR ACTUAL INSTALLATION.
 2. DRILL WEEP HOLE TYPICAL OF 4 PLACES AT BOTTOM CORNERS.
 3. GRAVEL BASE SHALL BE USED TO PREVENT STANDING WATER.
 4. GRATE TO BE ATTACHED TO CATCH BASIN WITH SCREW(S) PROVIDED AT TIME OF INSTALLATION.
 5. RISER (IF NEEDED) CAN BE CUT TO ACHIEVE EXACT ELEVATION, DO NOT USE OVER FIVE (5) RISERS WITH CATCH BASIN.
 6. N.D.S. ADAPTERS THAT FIT THIS CATCH BASIN ARE AS FOLLOWS: #1242, #1243, #1245, #1266, AND #1889, USE #1206 IF PLUGGING AN OUTLET.
 7. PERFORATION ON NON OPEN SIDES AND BOTTOM TO BE CUT OUT WHEN ADDING EXTRA OUTLETS.
 8. EXISTING SOILS SHOULD BE EVALUATED TO ENSURE PROPER STRUCTURAL AND PERMEABILITY PROPERTIES.
 9. DO NOT SCALE DRAWING.
 10. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
 11. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 12. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT WWW.CADDDETAILS.COM/INFO AND ENTER REFERENCE NUMBER 558-187 AND / OR 558-192.



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MANUFACTURER INFO:
NATIONAL DIVERSIFIED SALES, INC.
851 N. HARVARD AVE.
LINDSAY, CA. 93247
PHONE: (800) 726.1994
WEB: WWW.NDSPRO.COM

PIPE: #EZ-1501F, 15" MESH WITH 6" CORRUGATED PERFORATED PIPE
PIPE COLOR: BLACK
PIPE INFO: POLYETHYLENE SLOTTED DRAIN PIPE SURROUNDED BY 100% RECYCLED POLYSTYRENE AGGREGATE AND ENCLOSED IN 30-SIEVE POLYETHYLENE GEOTEXTILE MESH

COUPLING: #6C07, 6" CORRUGATED INTERNAL COUPLING, AS REQUIRED
END CAP: #6C06, 6" CORRUGATED END CAP, AS REQUIRED.
END CAP COLOR: BLACK

SOIL INFO:
SOIL BACK FILL: TOP SOIL BACK FILL, OR GRAVEL WITH 3" TOP SOIL IN CLAY AREAS

STORAGE AND FLOW INFO:
PIPE: #EZ-1501F

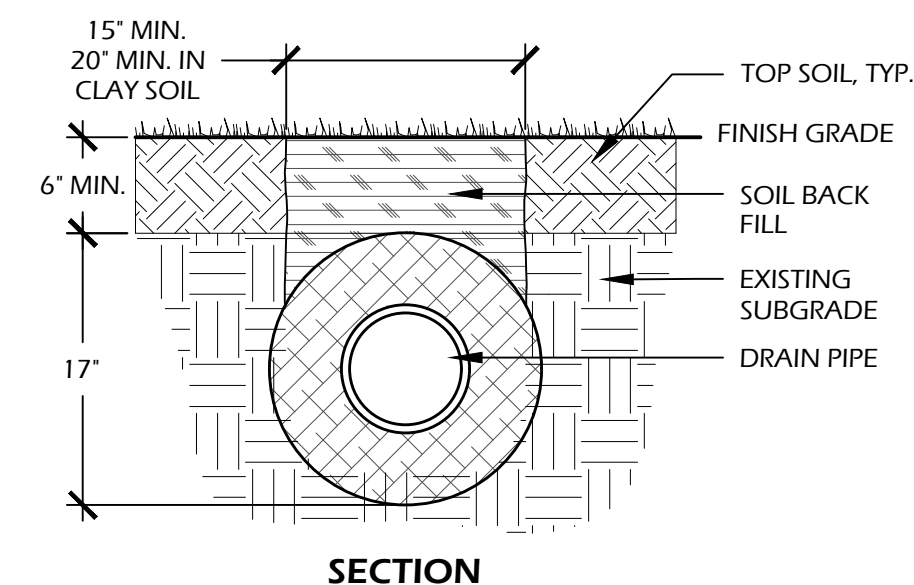
STORAGE VOLUME = 45.8 GALLONS (6.1225 CU. FT.) PER SECTION. FLOW RATE = 345.0 GPM (1% SLOPE)



3 // L7 12" AREA DRAIN TYPE 1
SCALE: N.T.S.

4 // L7 12" AREA DRAIN TYPE 2 (ATRIUM GRATE)
SCALE: N.T.S.

5 // L7 6" FRENCH DRAIN
SCALE: N.T.S.



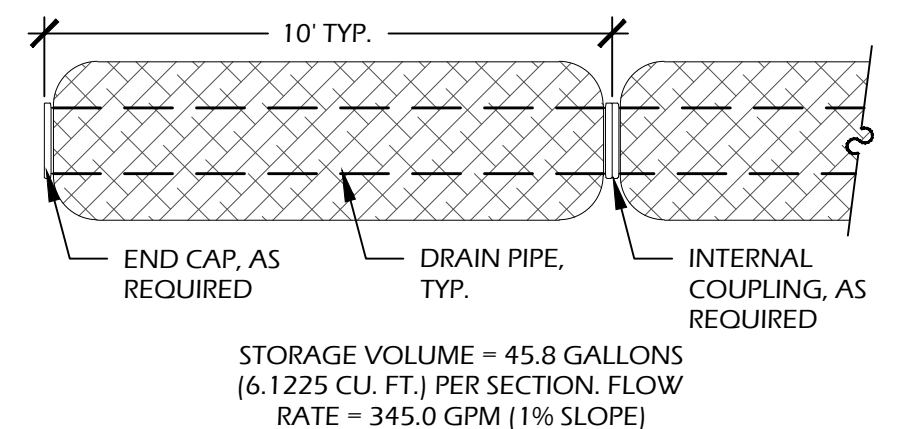
MANUFACTURER INFO:
NATIONAL DIVERSIFIED SALES, INC.
851 N. HARVARD AVE.
LINDSAY, CA. 93247
PHONE: (800) 726.1994
WEB: WWW.NDSPRO.COM

PIPE: 17" MESH WITH 8" CORRUGATED PERFORATED PIPE
PIPE COLOR: BLACK
PIPE INFO: POLYETHYLENE SLOTTED DRAIN PIPE SURROUNDED BY 100% RECYCLED POLYSTYRENE AGGREGATE AND ENCLOSED IN 30-SIEVE POLYETHYLENE GEOTEXTILE MESH

COUPLING: 8" CORRUGATED INTERNAL COUPLING, AS REQUIRED
END CAP: 8" CORRUGATED END CAP, AS REQUIRED.
END CAP COLOR: BLACK

SOIL INFO:
SOIL BACK FILL: TOP SOIL BACK FILL, OR GRAVEL WITH 3" TOP SOIL IN CLAY AREAS

STORAGE AND FLOW INFO:

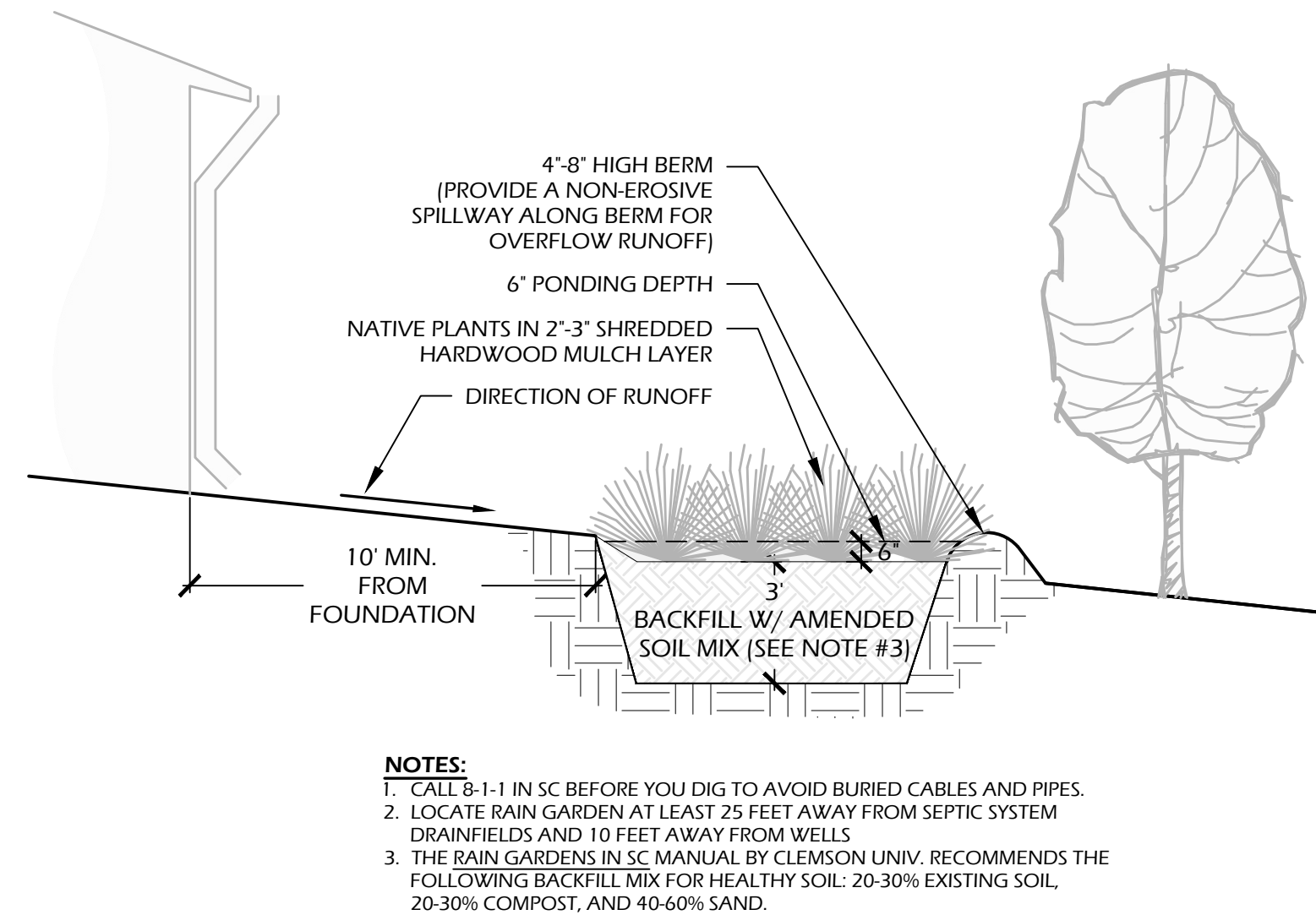


STORAGE VOLUME = 45.8 GALLONS (6.1225 CU. FT.) PER SECTION. FLOW RATE = 345.0 GPM (1% SLOPE)

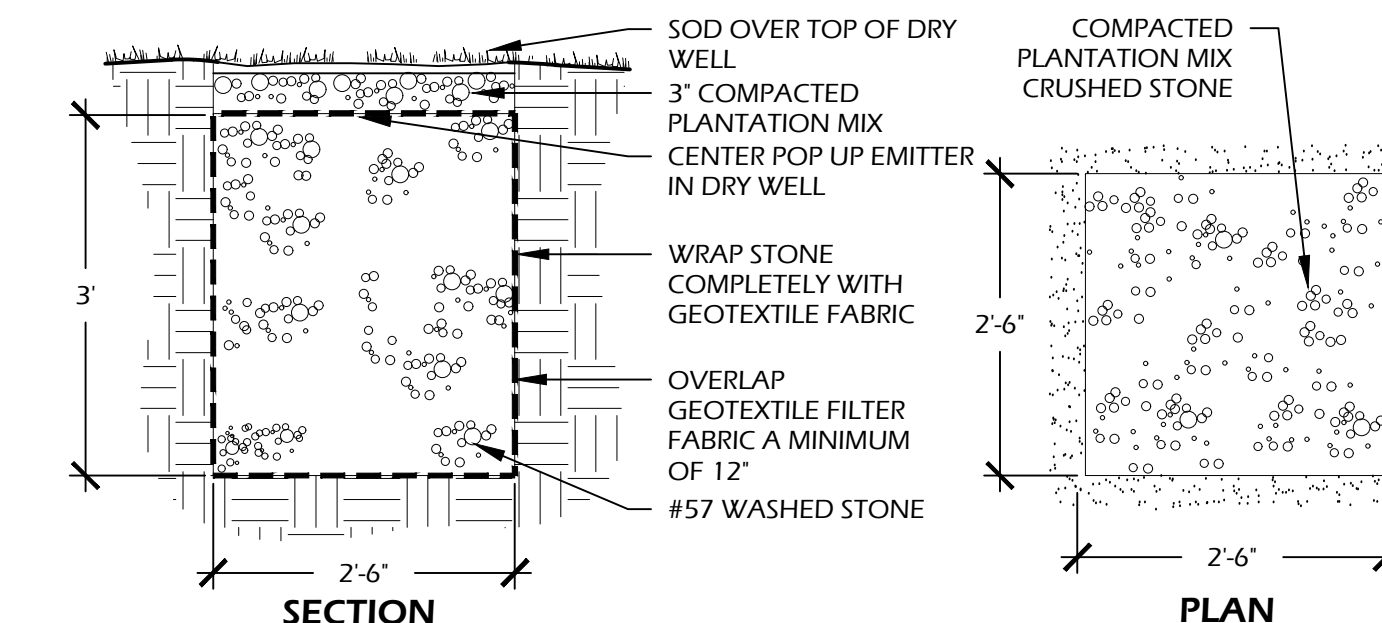
6 // L7 8" FRENCH DRAIN
SCALE: N.T.S.

7 // L7 RAIN GARDEN
SCALE: N.T.S.

8 // L7 DRY WELL
SCALE: N.T.S.



- NOTES:**
1. CALL B-1-1 IN SC BEFORE YOU DIG TO AVOID BURIED CABLES AND PIPES.
 2. LOCATE RAIN GARDEN AT LEAST 25 FEET AWAY FROM SEPTIC SYSTEM DRAINFIELDS AND 10 FEET AWAY FROM WELLS.
 3. THE RAIN GARDENS IN SC MANUAL BY CLEMSON UNIV. RECOMMENDS THE FOLLOWING BACKFILL MIX FOR HEALTHY SOIL: 20-30% EXISTING SOIL, 20-30% COMPOST, AND 40-60% SAND.



SITE DEVELOPMENT PLANS
FOR
HANSEN RESIDENCE
28 STOCK FARM / LOT 33
BLUFFTON/ SC

DATE: APR 17, 2024
PROJECT NO.: 24-054-01
DRAWN BY: JM/ER
CHECKED BY: DK

FINAL SUBMITTAL
PLAN, NOT FOR
CONSTRUCTION

REVISIONS:

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| | |
| | |
| | |

DRAWING TITLE
SITE DETAILS

DRAWING NUMBER

L7

Winter Jones-Keefe Ltd.
landscape architecture
land planning
www.wjkltd.com
58 Promenade Street, Suite 201 | Bluffton, South Carolina 29910 | ph 843.797.7411

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THIS SHEET TO SCALE AT: 24"x36"