

STOEPPELWERTH & ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: DENNIS D. OLMSTEAD 7965 E. 106TH STREET FISHERS, INDIANA 46038 PHONE: (317) 849-5935 THIS INSTRUMENT PREPARED FOR PREMIER LAND COMPANY LLC 11691 FALL CREEK ROAD, SUITE 210

INDIANAPOLIS, IN 46256 RICHARD HENDERSON

PHONE: 317-501-9172

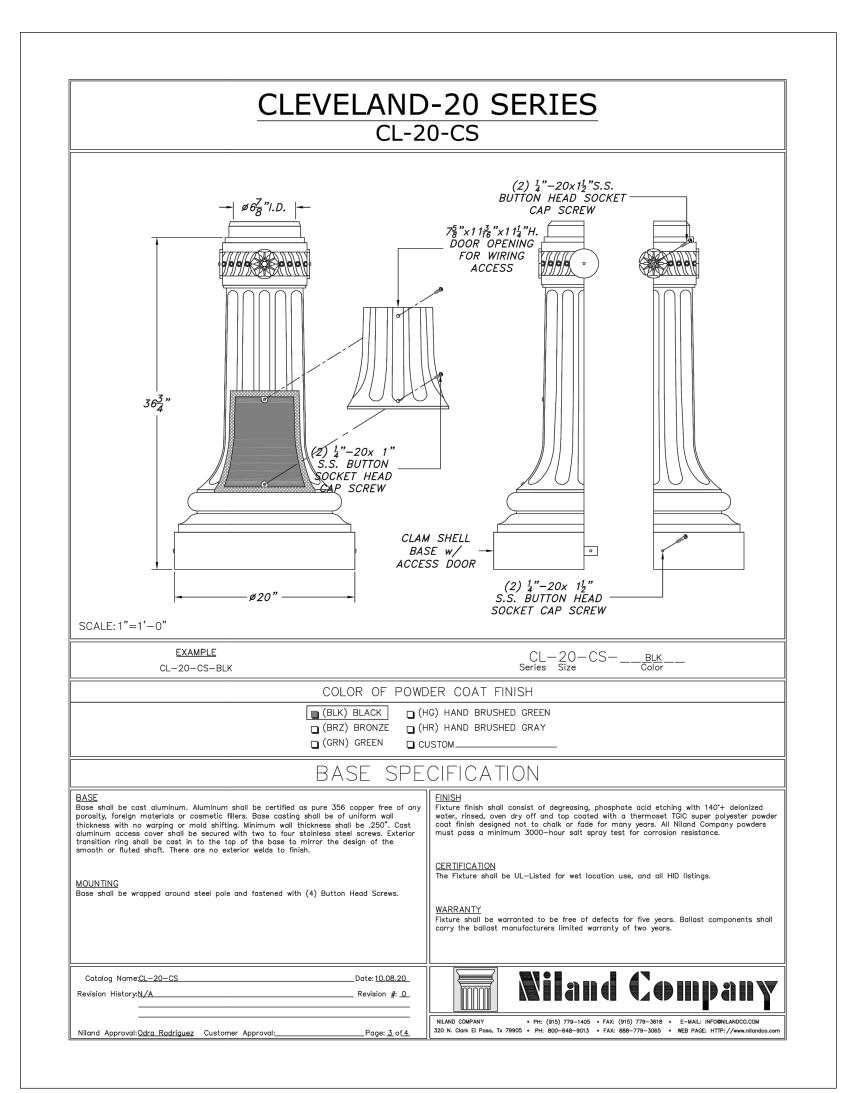
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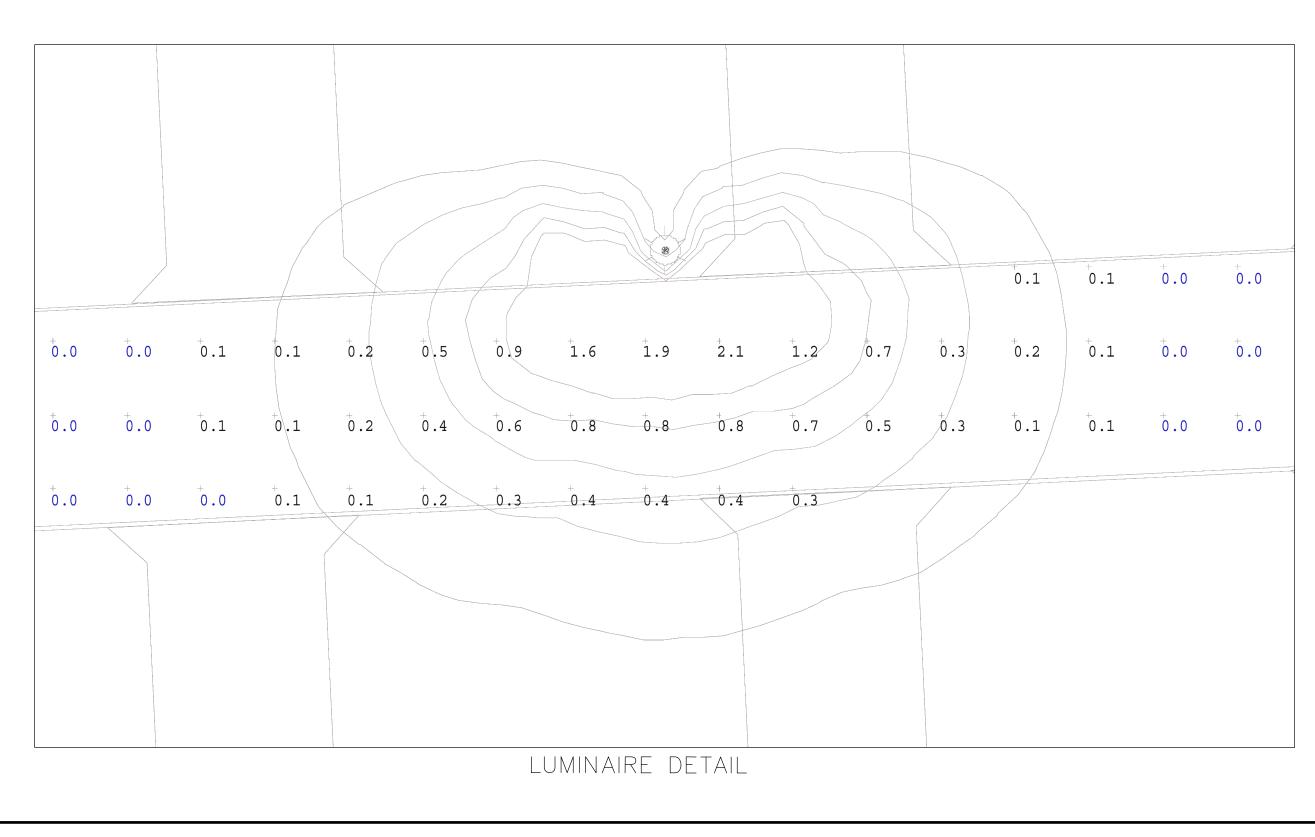
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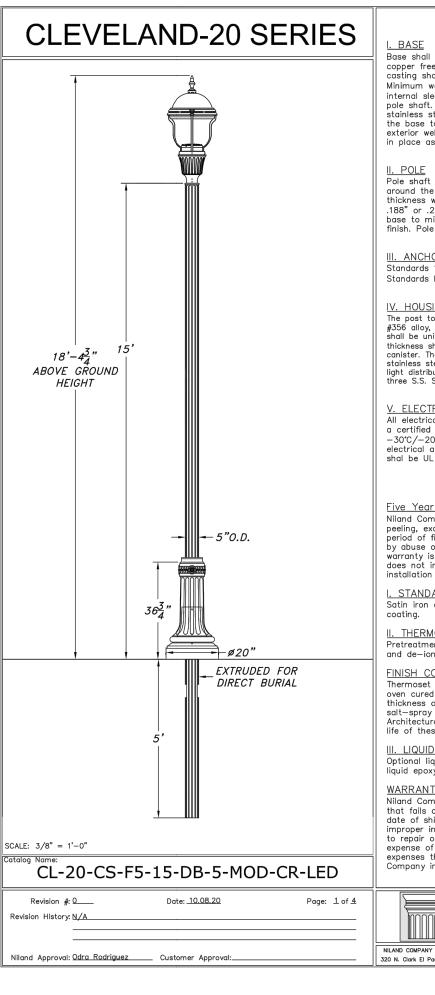
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# PRELIMINARY PLAN

# Enclave at Deer Crossing ZONING: ENCLAVE AT DEER CROSSING PUD







# CSI POLE SPECIFICATION I. BASE

Base shall be cast aluminum. Aluminum shall be certified as pure 356 copper free of any porosity, foreign materials or cosmetic fillers. Base casting shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .250". The base casting shall have an internal sleeve up to 25" deep (depending on style chosen) to accept the pole shaft. Cast aluminum access cover shall be secured with two to four stainless steel screws. Exterior transition ring shall be cast in to the top of the base to mirror the design of the smooth or fluted shaft. There are no exterior welds to finish. The anchor bolt locations in the base shall be cast in place as part of the base casting, for maximum strength.

II. POLE Pole shaft shall be seated into the base sleeve and circumferentially welded around the inside of the base. Shaft extrusion shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .188" or .250". Exterior transition ring shall be cast in to the top of the base to mirror the design of the fluted shaft. There are no exterior welds to finish. Pole shaft shall be seamless, deep fluted extruded 6063-T6 aluminum

III. ANCHORAGE DETAIL Standards 12 feet high or less shall use  $1/2" \times 18"$  L-type anchor bolts. Standards higher than 12 feet shall use  $3/4" \times 24"$  L-type bolts.

IV. HOUSING The post top shall be core cast aluminum. Aluminum shall be certified as pure #356 alloy, free of any porosity, foreign materials or cosmetic fillers. Castings shall be uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be 3/16". Electrical components are mounted in the ballast canister. The ballast canister shall be mounted in the post top with three stainless steel screws. Hydro-formed horizontal reflector is designed for a Type III light distribution pattern. The reflector shall be mounted in the luminaire with three S.S. Screws.

V. ELECTRICAL All electrical components and materials shall be UL-recognized and wired by a certified UL technician. All Niland ballasts are high power factor rated for  $-30^{\circ}C/-20^{\circ}F$  starting. Medium and Mogul base sockets are 4 KV rated. The electrical assembly is prewired with quick disconnects for servicing. Fixture shal be UL certified for wet locations. Optional LED unit.

# <u>FINISHES</u> Five Year Powder Coating Warranty

Niland Company factory-applied powder coatings are warranted against Niland Company factory-applied powder coatings are waranted against peeling, excessive fading and cracking under normal climatic exposure for a period of five years from date of shipment. Damage to finish coating caused by abuse or mishandling during installation is not covered by warranty. This warranty is limited to the repair or replacement of the material involved and does not included reimbursement of consequential expenses such as installation or removal of equipement or transportation costs. I. STANDARD FINISH

Satin iron achieved by rotary sanding, blasting and phosphate conversion coating. II. THERMOSET POWDER PAINT FINISH

Pretreatment shall consist of degreasing phosphate acid-etching with 140° and de-ionizing water, rinsed and oven dried.

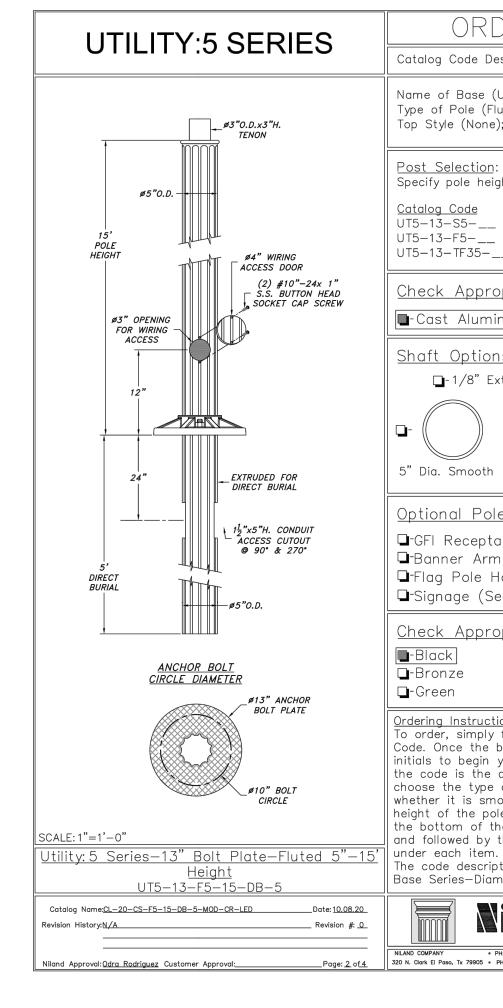
FINISH COAT Thermoset TGIC super polyester powder coat finish electrostatically applied, oven cured and bonded at approximately 420° F to a minimum dry film thickness of 1.6 mils. All Niland powders must pass a minimum 3000-hour salt-spray test for corrosion resistance. The National Association of Architectural Metal Manufacturers, Metal Finishes Manual rates the outdoor life of these powders at 15-plus verse. life of these powders at 15-plus years.

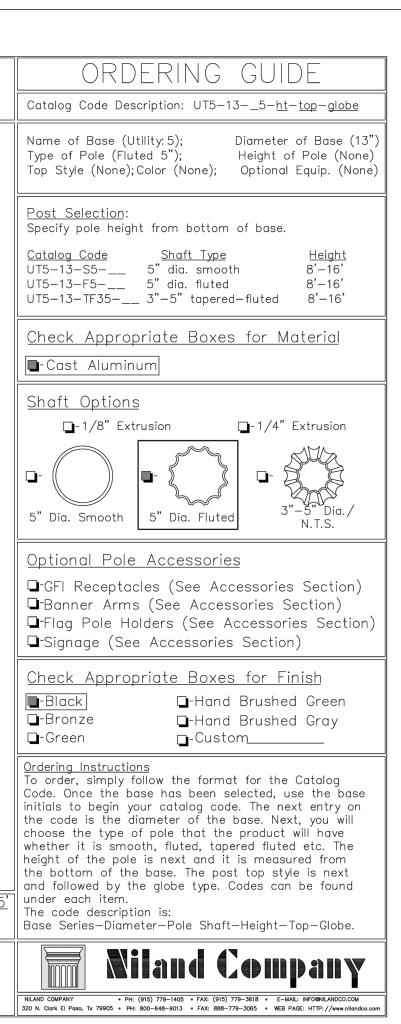
III. LIQUID FINISH Optional liquid finish is first prime coated then finished with a two part liquid epoxy coat.

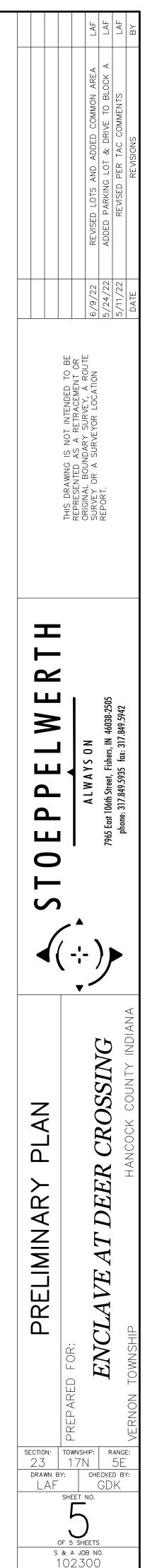
Niland Company warrants to repair or replace, at our option, any equipment that fails due to defects in material or workmanship within one year from date of shipment. This warranty does not include failures as a result of improper installation, mishandling or misapplication. This guarantee is limited to repair or replacement only and does not include reimbursement for expense of installation, removal of equipment, transportation or any other expenses that may be incurred. Authorization must be obtained from Niland Company in El Paso, Texas before any material is returned.

# **Niland Company**

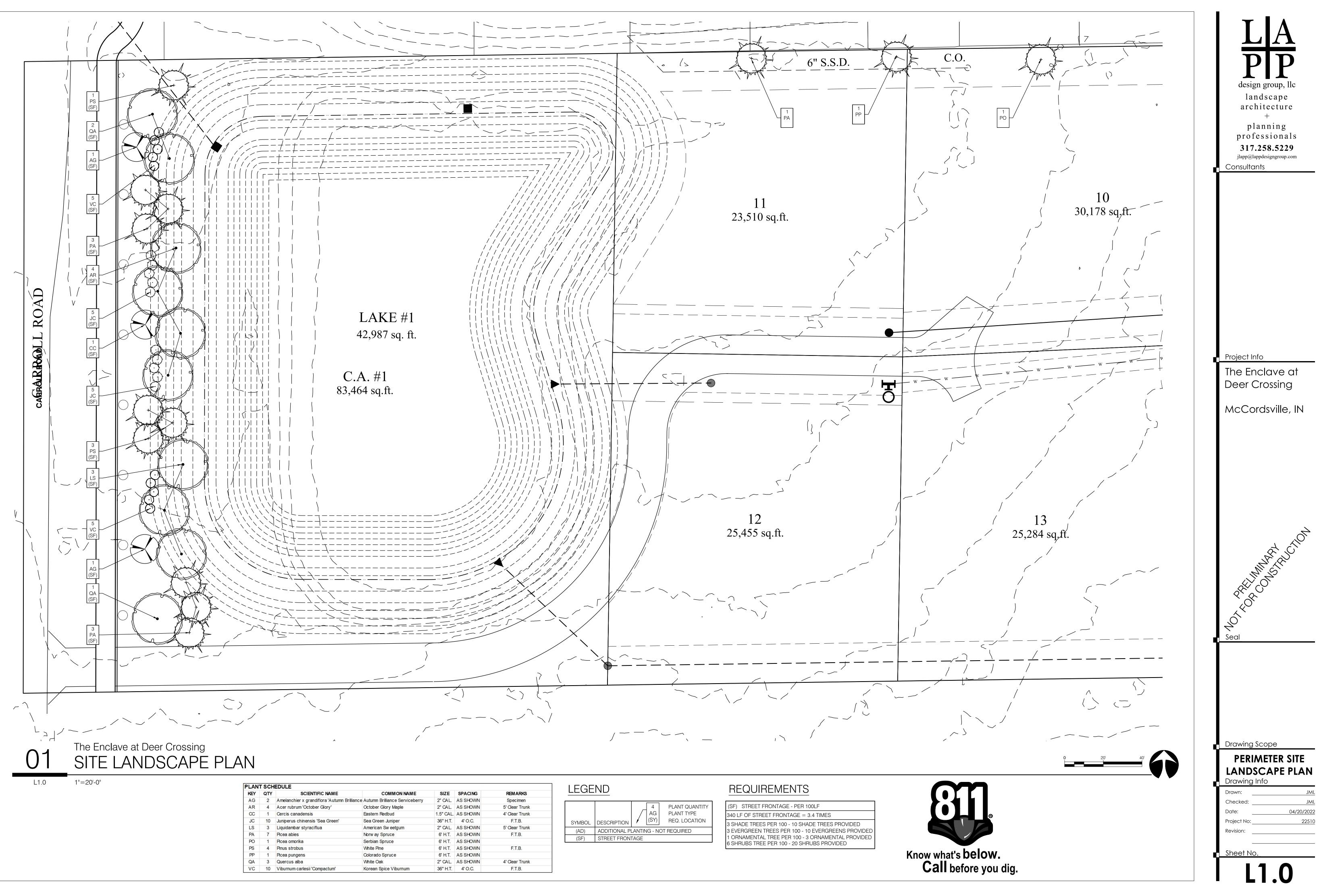
• PH: (915) 779-1405 • FAX: (915) 779-3618 • E-MAIL: INFO@NILANDCO.COM 320 N. Clark El Paso, Tx 79905 • PH: 800-648-9013 • FAX: 888-779-3065 • WEB PAGE: HTTP://www.nilandco.o



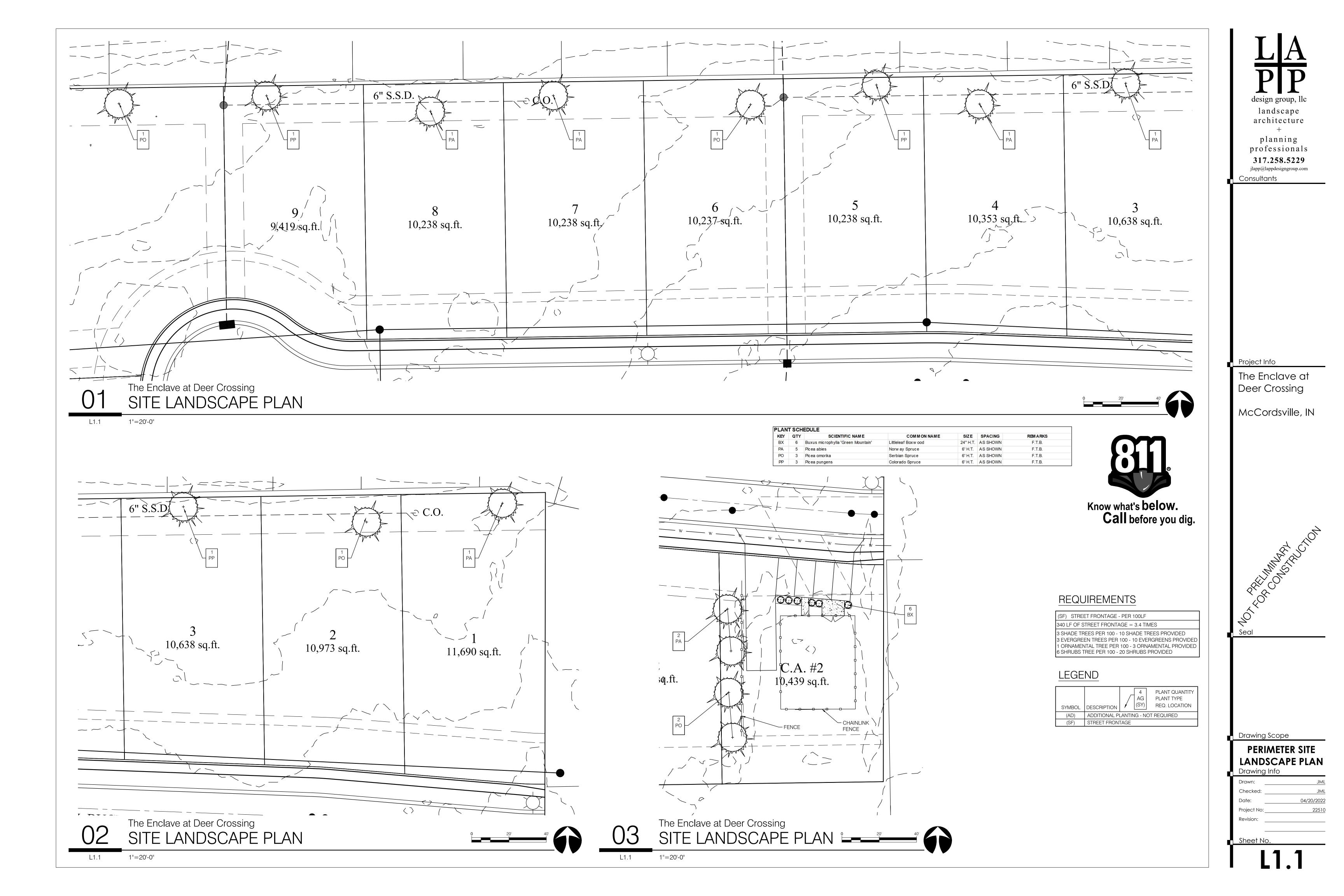


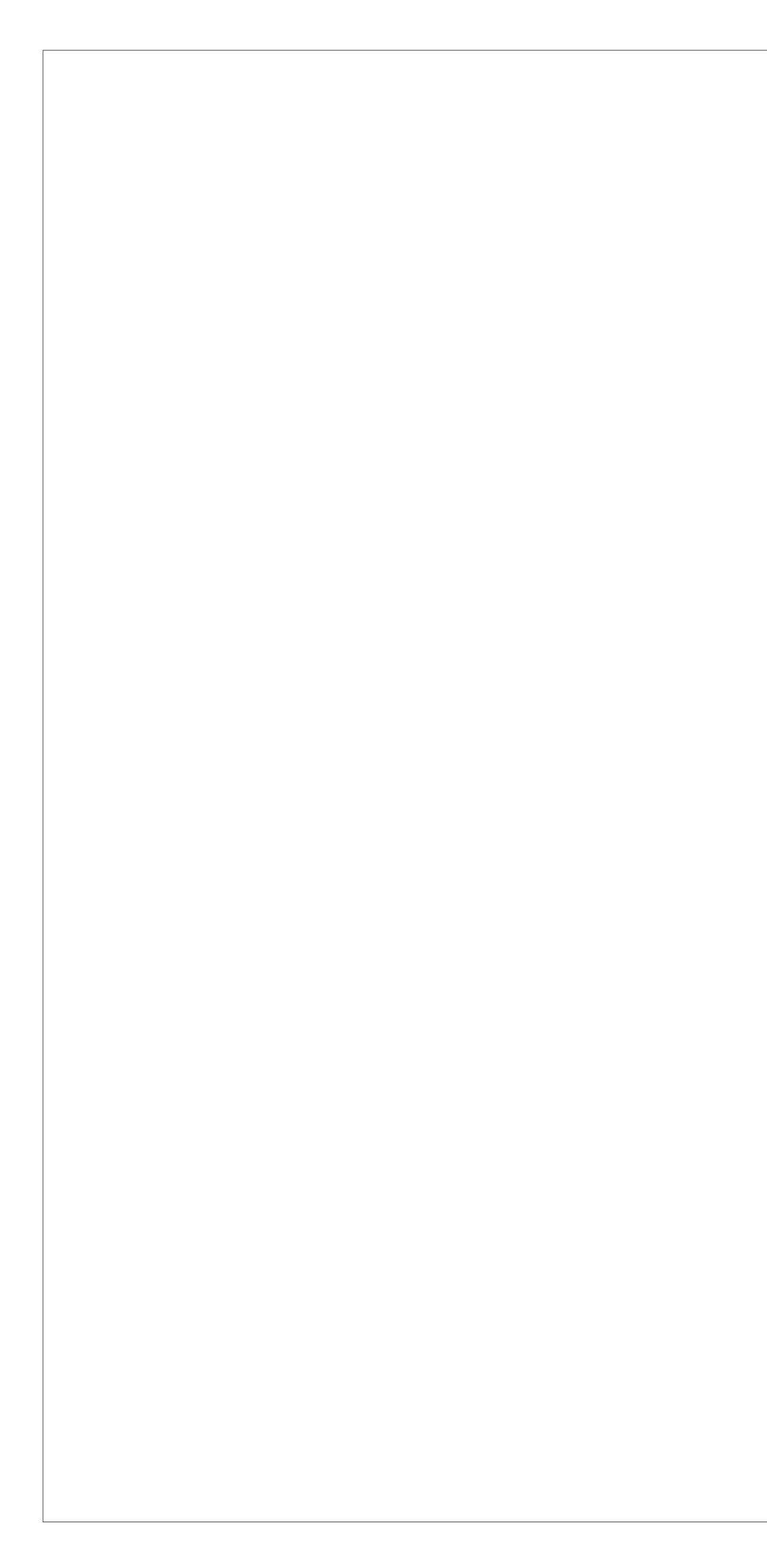


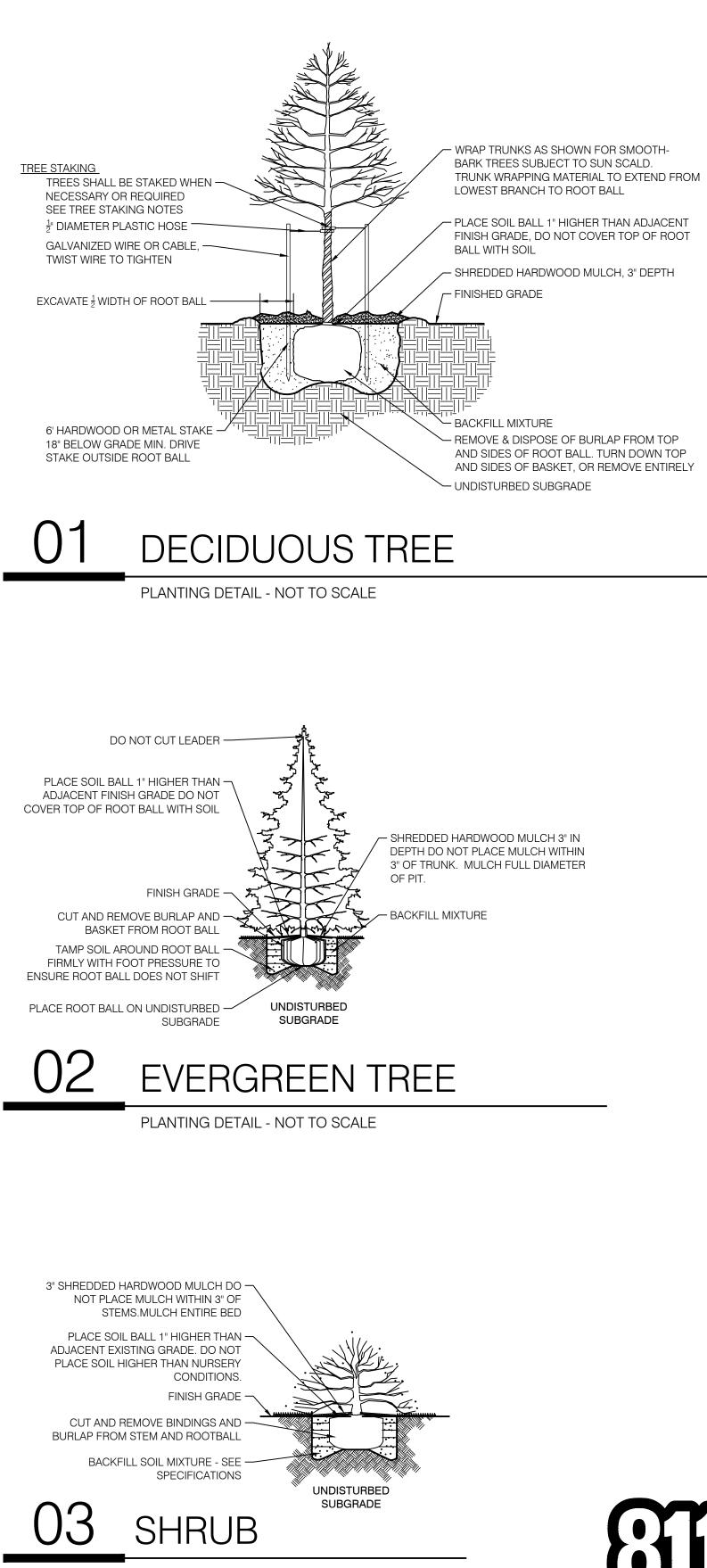
DETAILS LIGHTING



SIZE	SPACING	REMARKS
2" CAL.	AS SHOWN	Specimen
2" CAL.	AS SHOWN	5' Clear Trunk
1.5" CAL.	AS SHOWN	4' Clear Trunk
36" H.T.	4' O.C.	F.T.B.
2" CAL.	AS SHOWN	5' Clear Trunk
6' H.T.	AS SHOWN	F.T.B.
6' H.T.	AS SHOWN	
6' H.T.	AS SHOWN	F.T.B.
6' H.T.	AS SHOWN	
2" CAL.	AS SHOWN	4' Clear Trunk
36" H.T.	4' O.C.	F.T.B.







- - REPRESENTATIVE

  - PRIOR TO INSTALLATION.

SHALL BE APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. design group, ll IMMEDIATELY AND PRIOR TO BEGINNING WORK. landscape architecture PORTION OF THE PROJECT AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE. THE LANDSCAPE CONTRACTOR SHALL +OBTAIN AND PAY FOR ALL PERMITS AND FEES THAT MAY BE REQUIRED FOR THEIR PORTION OF WORK. planning DIRECTED BY OWNER'S REPRESENTATIVE . professionals 317.258.5229 TOPSOIL NOTE: TOPSOIL SHALL BE FRIABLE, NATURAL LOAM, SURFACE SOIL AND FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS, LITTER, ROOTS, STUMPS, jlapp@lappdesigngroup.com STONES, AGRICULTURAL AND DOMESTIC FERTILIZERS, CHEMICALS, HERBICIDES, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH AND THE ENVIRONMENT. WASTE SOILS, BORROW, OR HEAVY CLAY BASED SOILS WILL NOT BE ACCEPTED. TOPSOIL SHALL HAVE A PH VALUE OF 6.0 TO 7.4 Consultants AND AN ORGANIC VALUE OF 3% TO 5%. SUBMIT SOIL SAMPLES, PH LEVELS, AND NPK ANALYSIS PRIOR TO DELIVERY TO SITE. A 5-10-5 ANALYSIS SLOW RELEASE FERTILIZER SHALL BE INCORPORATED INTO BACKFILL AT APPROVED RATES. SHALL HAVE A MINIMUM SIX (6) FOOT DIAMETER NON-LIPPED SAUCER AROUND PLANTING PIT. ALL SAUCERS SHALL BE WEED AND GRASS FREE. AN APPROVED PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING BEDS AT A RATE SPECIFIED BY MANUFACTURER FOR EACH PLANT VARIETY. WOOD CHIPS, ARTIFICIAL OR DYED MULCH ALLOWED. OWNER'S REPRESENTATIVE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT I.D. AT NURSERY OR CONTRACTORS OPERATIONS PRIOR TO MOVING TO JOB SITE. PLANTS MAY BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE BY LANDSCAPE ARCHITECT OR OWNER'S COURSE OF THE PROJECT UNTIL PROJECT IS ACCEPTED BY THE OWNER. REPRESENTATIVE OR LANDSCAPE ARCHITECT SHALL INSPECT AND APPROVE PLANT LOCATIONS FOR ACCURACY AND COMPLIANCE WITH DESIGN INTENT CONDITION UNTIL ACCEPTANCE BY THE OWNER. THIS INCLUDES AS A MINIMUM: WATERING, WEEDING, INSECT AND DISEASE CONTROL, PRUNING OF DAMAGED OR UNSIGHTLY LIMBS, AND KEEPING PLANTS IN TRUE AND UPRIGHT POSITIONS. THE OWNER. ALL REPLACEMENTS SHALL BE PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. GUARANTEE/WARRANTY REPLACEMENTS SHALL BE AS DIRECTED BY THE OWNER UNTIL FINAL ACCEPTANCE OF THE PROJECT FOLLOWING THE GUARANTEE PERIOD. Project Info The Enclave a Deer Crossing DEPRESSIONS, LOW SPOTS AND GRADE SMOOTH. CONSTRUCTION ACTIVITY OF ANY KIND (EXCLUDING LANDSCAPING) SHALL NOT BE PERMITTED ON OR ACROSS ANY PLANTING AREA. McCordsville, IN FERTILIZER AT A RATE OF 10 lbs./1000 s.f. MINIMUM 30 DAYS OR UNTIL ACCEPTED BY OWNER. GUARANTEED TO HAVE A FULL UNIFORM STAND OF ACCEPTABLE GRASS AT THE END OF THE ONE YEAR GUARANTEE PERIOD WITH NO BARE SPOTS COMPRISING MORE THAN 2% OF ANY LAWN AREA. ANY AREA SO NOTED WILL BE SODDED UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. DEPRESSIONS, LOW SPOTS AND GRADE SMOOTH. CONSTRUCTION ACTIVITY OF ANY KIND (EXCLUDING LANDSCAPING) SHALL NOT BE PERMITTED ON OR ACROSS ANY PLANTING AREA. RELIMINATION 40% KENTUCKY BLUEGRASS 30% PERENNIAL RYE GRASS 30% TURF TYPE TALL FESCUE FERTILIZER AT A RATE OF 10 lbs./1000 s.f. APPLY SEED MIX AT SPECIFIED RATE, AND LIGHTLY RAKE INTO TOP 1/4 INCH OF SOIL. PLACE UNTIL COMPLETE GERMINATION OF SEED AND ESTABLISHED GROWTH. COORDINATE WITH EROSION CONTROL PLAN.  $\hat{\gamma}$ MINIMUM 30 DAYS OR UNTIL ACCEPTED BY OWNER. Seal NO BARE SPOTS COMPRISING MORE THAN 2% OF ANY LAWN AREA. ANY AREA SO NOTED WILL BE RESEEDED OR SODDED UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. PLACED IN MULCHED AREAS TO ALLOW FOR MOWING ADJACENT TURF. REJECTED. TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST GROWING SEASON AFTER PLANTING. Drawing Scope MINIMUM OF 12 MM (0.5 IN.). LANDSCAPE NOTES AND DETAILS LONG ENOUGH TO ACCOMMODATE 1.5" OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE. Drawing Info Checke Sheet No.

NOTES GENERAL NOTES: 1. ALL UTILITIES SHALL BE LOCATED AND MARKED/FLAGGED PRIOR TO BEGINNING WORK. RELOCATE PLANTS FROM OVER OR UNDER UTILITIES. RELOCATION 2. <u>UTILITY LOCATION NOTE:</u> ALL LOCATIONS SHOWN ARE APPROXIMATE AND BASED ON INFORMATION SUPPLIED BY EITHER THE CIVIL ENGINEER, SURVEYOR, OWNER, AND/OR MEASURED IN THE FIELD. IF DISCREPANCIES ARE PRESENT, CONTRACTOR SHALL NOTIFY OWNER AND LANDSCAPE ARCHITECT 3. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. 4. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL PREPARATION, MATERIALS, DELIVERY, INSTALLATION AND INITIAL MAINTENANCE FOR THE LANDSCAPE 5. PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT W/ CONSTRUCTION OPERATIONS AND AS 6. CLEAN UP ALL DEBRIS AND REMOVE FROM SITE, REPAIR ALL DAMAGED OR DISTURBED AREAS CAUSED BY LANDSCAPE WORK. PLANTING NOTES: 1. REMOVE WEEDS, ORGANIC MATTER AND ROCKS LARGER THAN 1.5" FROM SOIL. 2. BACKFILL FOR TREE PLANTING SHALL BE 75% TOPSOIL AND 25% ORGANIC COMPOST. TOP LAYER OF BACKFILL SHALL BE 100% OF SURROUNDING TOPSOIL. 3. THE TOPS OF ALL TREE AND SHRUB ROOT BALLS TO BE PLACED A MAXIMUM OF ONE (1) INCH ABOVE FINAL GRADE. ALL TREES LOCATED OUTSIDE OF BEDS 4. ALL TREE SAUCERS AND PLANTING BEDS SHALL RECEIVE MINIMUM OF THREE (3) INCHES GRADE A, SHREDDED HARDWOOD BARK MULCH. NO CYPRESS, 5. NO SUBSTITUTIONS OF PLANT MATERIALS WILL BE ALLOWED. IF PLANTS ARE NOT AVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT/ 6. THE OWNER, OWNER'S AGENT, OR THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY AND ALL PLANT MATERIALS AT ANY TIME DURING THE 7. LANDSCAPE CONTRACTOR SHALL LAYOUT AND STAKE ALL PLANT LOCATIONS AS SHOWN ON THE DRAWINGS PRIOR TO INSTALLATION. OWNER'S 8. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE PLANTING OF SPECIFIED PLANTS AND MAINTAINING ALL PLANT MATERIALS IN AN ALIVE AND QUALITY 9. CONTRACTOR SHALL GUARANTEE AND WARRANT ALL PLANT MATERIAL TO REMAIN ALIVE AND HEALTHY FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE BY SODDING AND PREPARATION: 1. CONTRACTOR TO FINE GRADE AND PREPARE ALL SITE AREAS TO RECEIVE SOD. FINE GRADE SITE SMOOTH TO FINAL GRADING PLAN ELEVATIONS, FILL IN 2. ALL SODDED LAWN AREAS WITHIN LIMIT LINES TO RECEIVE 6" TOPSOIL PRIOR TO SODDING OPERATIONS. ONCE TOPSOIL HAS BEEN PLACED, 3. LAWNS SHALL BE SODDED FOLLOWING SCARIFYING, FINAL GRADING, FERTILIZING, AND RAKING. LAWN SHALL BE FERTILIZED W/ 12-12-12 ANALYSIS 4. WATER AND MAINTAIN GRASS UNTIL STAND IS ESTABLISHED AND READY FOR MOWING AT MINIMUM 4 INCH HEIGHT. CONTINUE TO WATER FOR A 5. FOLLOWING SODDING OPERATIONS, CLEAN UP EXCESS MATERIALS, AND CLEAN ALL BARK MULCHED AND PAVED AREAS. ALL LAWNS SHALL BE 6. ALL DISTURBED LAWN AREAS SHALL BE SODDED AS NOTED AND AS APPROVED BY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT. SEEDING AND PREPARATION: 1. CONTRACTOR TO FINE GRADE AND PREPARE ALL SITE AREAS TO RECEIVE SEED. MAKE SITE SMOOTH TO FINAL GRADING PLAN ELEVATIONS, FILL IN 2. ALL SEEDED LAWN AREAS WITHIN LIMIT LINES TO RECEIVE 6" TOPSOIL PRIOR TO SEEDING OPERATIONS. ONCE TOPSOIL HAS BEEN PLACED, 3. HYDROSEEDING IS ACCEPTABLE. APPLY WITH APPROVED EQUIPMENT DESIGNED FOR PROFESSIONAL HYDROSEEDING APPLICATIONS AT RECOMMENDED 4. PROVIDE FRESH, CLEAN NEW-CROP 'PREMIUM' GRADE SEED AND SEED MIXES AS FOLLOWS: (SUBMIT SEASONAL MIX ALTERNATIVE AS APPROPRIATE) 5. APPLY SEED AT RATE OF MINIMUM 175 POUNDS PER ACRE (4 LBS/1000SF). 6. SCARIFY SOIL TO DEPTH OF 3 INCHES PRIOR TO APPLICATION. 7. LAWNS SHALL BE SEEDED FOLLOWING SCARIFYING, FINAL GRADING, FERTILIZING, AND RAKING. LAWN SHALL BE FERTILIZED W/ 12-12-12 ANALYSIS 8. MULCH SEEDED AREAS WITH STRAW MULCH AT RATE OF MINIMUM 1 1/2 TON PER ACRE (70 LBS/1000SF). CRIMP OR TACK STRAW MULCH TO REMAIN IN 9. WATER AND MAINTAIN GRASS UNTIL STAND IS ESTABLISHED AND READY FOR MOWING AT MINIMUM 4 INCH HEIGHT. CONTINUE TO WATER FOR A 10. FOLLOWING SEEDING OPERATIONS, CLEAN UP EXCESS MATERIALS, AND CLEAN ALL BARK MULCHED AND PAVED AREAS. 11. FOLLOWING GERMINATION, APPLY HERBICIDE TO ALL GRASS GROWTH IN PLANT MULCH AREAS. 12. ALL LAWNS SHALL BE GUARANTEED TO HAVE A FULL UNIFORM STAND OF ACCEPTABLE GRASS AT THE END OF THE ONE YEAR GUARANTEE PERIOD WITH 13. ALL DISTURBED LAWN AREAS SHALL BE SEEDED AS NOTED AND AS APPROVED BY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT. 1. CONTRACTOR TO STAKE WHEN NECESSARY OR REQUIRED, SUCH AS WIND PRONE AREAS OR UNSTABLE SOILS. STAKES SHALL BE 2. STAKING SHOULD NOT BE USED TO COMPENSATE FOR DAMAGED OR WEAK TRUNKS OR ROOT BALLS, THESE TREES SHOULD BE 3. REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE 4. ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A 5. WIRES OR CABLE SIZES SHALL BE 14 to 12 GAUGE. 6. TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC HOSE TO BE 7. TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.

TREE STAKING NOTES:

Know what's **below. Call** before you dig.

PLANTING DETAIL - NOT TO SCALE