

## GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES AND REGULATIONS.
- THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS PRIOR TO BEGINNING ANY WORK.
- USER OF THESE DRAWINGS IS CAUTIONED THAT EXISTING UNDERGROUND UTILITIES AND FOUNDATIONS AS SHOWN ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES AND FOUNDATIONS, WHETHER ABANDONED OR FUNCTIONAL, ARE SHOWN ON DRAWINGS. IF UNDERGROUND FOUNDATION OR UTILITY WHICH IS NOT SHOWN ON DRAWINGS IS ENCOUNTERED OR DAMAGED BY CONSTRUCTION WORK, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK AND VERIFY PROPOSED GRADES, DIMENSIONS, AND EXISTING CONDITIONS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTION BEFORE PROCEEDING WITH WORK. WORK STARTED WITHOUT DIRECTION FROM THE LANDSCAPE ARCHITECT WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE CORRECTED IF NECESSARY AT HIS/HER EXPENSE.
- THE CONTRACTOR SHALL CONTACT THE UTILITY PROTECTION SERVICE (811) TO LOCATE ALL ABOVE AND BELOW GROUND UTILITIES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL MEASURES AS NEEDED TO ENSURE THE SAFETY OF VEHICULAR AND PEDESTRIAN TRAFFIC WITHIN CONSTRUCTION ZONES.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN AND COURTEOUS WORK SITE FOR THE DURATION OF THE PROJECT. TRASH AND DEBRIS SHALL BE PICKED UP AND PROPERLY DISPOSED OF EACH DAY. VEHICLES AND EQUIPMENT SHALL BE CLEANED AND MAINTAINED REGULARLY SO AS NOT TO DRIP ANY FLUIDS OR TRACK AND SEDIMENT WITHIN THE PROPERTY.
- THE CONTRACTOR SHALL ENSURE THAT NO SEDIMENT LEAVES THE WORK SITE DURING CONSTRUCTION. ANY SEDIMENT THAT ACCUMULATES ALONG THE CURB OR ON THE ROADWAY SHALL BE SWEEPED UP AT THE END OF EACH WORK DAY AND PRIOR TO EACH RAIN EVENT.
- ALL CONSTRUCTION DEBRIS SHALL BE HAULED OFF SITE AND PROPERLY DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS.
- ANY PROPERTY THAT IS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES FROM THIS PROJECT SHALL BE REPLACED OR REPAIRED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL LEAVE THE PROJECT SITE IN A PRISTINE CONDITION UPON COMPLETION OF THE WORK. REMOVE AND PROPERLY DISPOSE OF ALL TRASH, DEBRIS, EXCESS SOIL, ETC. CLEAN ALL VISIBLE SURFACES SO THEY ARE FREE FROM DIRT, SMUDGES, STAINS, ETC.

## TREE PROTECTION NOTES

- ALL TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO AND MAINTAINED THROUGHOUT LAND DISTURBING AND CONSTRUCTION ACTIVITIES, AND SHALL NOT BE REMOVED UNTIL THE FINAL LANDSCAPING IS INSTALLED.
- TREE PROTECTION AREA SHALL INCLUDE NO LESS THAN THE TOTAL AREA BENEATH THE TREE CANOPY AS DEFINED BY THE CRZ OF THE TREE OR GROUP OF TREES COLLECTIVELY, UNLESS OTHERWISE INDICATED ON THE PLANS.
- TREE PROTECTION FENCES MUST HAVE SIGNAGE IN BOTH ENGLISH AND SPANISH LANGUAGES THAT READS "STAY OUT", "NO ENTRADA", AND "TREE SAVE", "SALVE UN ARBOL", POSTED ON THE FENCE EVERY 20 FEET WITH A MINIMUM OF 4 SIGNS. SIGNS REQUESTING SUBCONTRACTOR COOPERATION AND COMPLIANCE WITH THE TREE PROTECTION STANDARDS SHALL ALSO BE POSTED AT THE JOB SITE ENTRANCES.
- ANY ACTIVITY THAT INVOLVES DISTURBING SOIL WITHIN THE CRZ OF TREES TO REMAIN (I.E. CUT, FILL, OR COMPACTION) OR CLOSER PHYSICAL CONTACT BETWEEN EQUIPMENT AND TREES TO REMAIN MUST BE REVIEWED AND APPROVED IN ADVANCE BY THE LANDSCAPE ARCHITECT AND THE LOCAL JURISDICTIONAL AUTHORITY.
- TREE SAVE AREAS SHALL NOT BE USED FOR EMPLOYEE PARKING OR LOITERING, LOCATION OF TEMPORARY SANITATION FACILITIES, ACCESS, STAGING, MATERIALS STORAGE, TRENCHING, GRADING, OR STORAGE OF DEMOLITION EQUIPMENT.
- NO DEMOLITION, EQUIPMENT FUELING, LUBRICATION, OR MAINTENANCE SHALL BE ALLOWED WITHIN THE TREE SAVE AREAS OR WITHIN THE CRZ OF TREES TO REMAIN.
- STORAGE OF ROLL OFF DUMPSTERS, FUEL, LUBRICANTS, CHEMICALS, ETC. WILL NOT BE PERMITTED ADJACENT TO THE TREE SAVE AREAS OR THE CRZ OF TREES TO REMAIN.

## PLANTING NOTES

- LANDSCAPE PLANS ARE FOR THE LOCATION AND IDENTIFICATION OF PLANT MATERIAL ONLY. NO OTHER WORK IS TO BE PERFORMED BASED ON THESE PLANS.
- QUANTITIES ON THE PLANT SCHEDULE ARE PROVIDED FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN QUANTITY CALCULATIONS. IN THE EVENT OF A DISCREPANCY BETWEEN THE LANDSCAPE PLANS AND THE PLANT SCHEDULE, THE LANDSCAPE PLAN WILL TAKE PRECEDENCE. THE CONTRACTOR SHALL INFORM THE LANDSCAPE ARCHITECT IMMEDIATELY UPON DISCOVERING ANY QUANTITY DISCREPANCIES.
- THE CONTRACTOR SHALL NOT CHANGE OR SUBSTITUTE PLANT VARIETIES OR SPECIES WITHOUT PRIOR WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT. PLANT MATERIAL SHALL BE PLACED AS SHOWN ON THE LANDSCAPE PLANS.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE OF ALL PLANTING HOLES AND PLANT BEDS PRIOR TO INSTALLATION.
- STUMPS LABELED FOR REMOVAL SHALL BE EXCAVATED, NOT GROUND. REMOVE ANY DEBRIS FROM THE HOLE, FILL WITH TOP SOIL, COMPACT AND RAKE SMOOTH PRIOR TO INSTALLING NEW PLANT MATERIAL.
- TOPSOIL: ANY AVAILABLE TOP SOIL WITHIN THE LIMITS OF DISTURBANCE SHALL BE STOCKPILED ON SITE FOR RE-USE IN LANDSCAPE WORK. IF NO TOPSOIL IS STOCKPILED, THE CONTRACTOR SHALL IMPORT TOPSOIL, AS REQUIRED, TO COMPLETE LANDSCAPE WORK.

IMPORTED TOP SOIL SHALL BE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF ROOTS, STUMPS AND LARGE STONES AND FREE OF BRUSH, WEEDS, LITTER, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.

OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT PROJECT SITE. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL DRAINED SITES WHERE TOPSOIL OCCURS IN A DEPTH OF NOT LESS THAN 4 INCHES. DO NOT OBTAIN FROM BOGS OR MARSHES.

- PLANTING SOIL MIX FOR TREES, SHRUBS, AND GROUNDCOVERS SHALL CONSIST OF THE FOLLOWING:  
80% TOPSOIL  
20% PREPARED ADDITIVES (BY VOLUME AS FOLLOWS):
  - 3 PARTS - ORGANIC SOIL CONDITIONER (NATURE'S HELPER OR EQUAL)
  - 1 PART - COMPOSTED CHICKEN MANURE (OR EQUIVALENT)
  - COMMERCIALY AVAILABLE STARTER FERTILIZER @ RATES SPECIFIED BY MANUFACTURER
  - LIME (AS RECOMMENDED IN SOIL ANALYSIS)*\*CONTRACTOR MAY SUBMIT ALTERNATIVE PLANTING SOIL MIX TO THE LANDSCAPE ARCHITECT FOR CONSIDERATION PRIOR TO BEGINNING WORK.*
- QUALITY OF PLANT MATERIAL: ALL PLANTS SHALL CONFORM TO THE CURRENT VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1).  
  
PLANT MATERIAL SHALL BE FREE OF DISEASE AND/OR INSECTS, AND SHALL HAVE A HEALTHY ROOT SYSTEM WITH NO CRACKED OR KINKED ROOTS. CONTAINER PLANTS SHALL NOT BE ROOT BOUND.  
  
TREES SHALL HAVE STRAIGHT TRUNKS, A STRONG DOMINANT CENTRAL LEADER, AND BE FREED FROM DENSE CANOPIES AND STRONG BRANCHING WITH GOOD CROTCH ANGLES.  
  
ALL PLANT MATERIAL SHALL BE SUFFICIENTLY WATERED TO WET THE ENTIRE ROOT BALL WITHIN TWO HOURS OF PLANTING.
- SHRUB AND GROUNDCOVER PLANTING SHALL BE A MINIMUM OF 36" AWAY FROM EXISTING TREES.

- CONTRACTOR SHALL REMOVE ALL PLANT TAGS AFTER APPROVAL OF PLANT INSTALLATION BY LANDSCAPE ARCHITECT.
- MULCH ALL PLANT BEDS AND TREE RINGS WITH FRESH, CLEAN PINESTRAW TO A MINIMUM DEPTH OF THREE (3) INCHES (UNLESS OTHERWISE NOTED ON PLANS). DO NOT PILE MULCH AROUND THE BASE OF PLANTS OR TREE TRUNKS. ALL MULCH EDGES SHALL BE NEATLY TUCKED. ALL STRING AND/OR BAILING WIRE SHALL BE REMOVED. DUST SHRUBS AND GROUND COVER AFTER MULCHING TO REMOVE LOOSE PINESTRAW FROM THE PLANTS.
- MAINTENANCE: CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL FROM THE TIME IT IS INSTALLED UNTIL FINAL ACCEPTANCE OR WHEN THE OWNER TAKES OVER MAINTENANCE, WHICHEVER OCCURS FIRST. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO MOWING, EDGING, WEEDING, WATERING, PRUNING, FERTILIZING, ETC.
- WARRANTY: CONTRACTOR SHALL PROVIDE A ONE-YEAR WARRANTY ON ALL PLANT MATERIAL AND LABOR. WARRANTY PERIOD SHALL BEGIN UPON FINAL COMPLETION OR WHEN THE OWNER TAKES OVER MAINTENANCE, WHICHEVER OCCURS FIRST.

## PLANTING NOTES (continued)

THE CONTRACTOR SHALL MAKE PERIODIC INSPECTIONS OF THE PROJECT DURING THE WARRANTY PERIOD TO ENSURE THAT THE ESTABLISHMENT RATE OF GROWTH IS ADEQUATE. ANY METHODS OR PRODUCTS DEEMED NOT NORMAL OR DETRIMENTAL TO GOOD PLANT GROWTH SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IN WRITING. FAILURE TO INSPECT AND REPORT WILL BE INTERPRETED AS APPROVAL, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL REPLACEMENTS.

## TREE PLANTING NOTES

- TREES SHALL BE SET PLUMB AND LEVEL.
  - CAREFULLY LIFT AND SET TREES BY THE ROOT BALL ONLY. DO NOT LIFT USING THE TRUNK OR STEM. IF TREES ARE TOO LOW OR NOT PLUMB AFTER SETTING IN THE HOLE, RE-SET BY ADJUSTING THE ROOT BALL AS NEEDED.
  - FOR TREES PLANTED IN TREE ISLANDS: EXCAVATE THE ENTIRE TREE ISLAND TO A DEPTH OF 12", LOOSEN ANY HARDPAN, AND BACKFILL WITH TOPSOIL PRIOR TO DIGGING THE PLANTING HOLE.
- ## TREE STAKING NOTES
- TREES SMALLER THAN 2" CALIPER SHOULD NOT BE STAKED.
  - STAKING STRAPS SHALL BE SOFT, FLEXIBLE MATERIAL, 3/4" WIDTH, MANUFACTURED FOR THE PURPOSE OF TREE ANCHORING SUCH AS WOVEN POLYPROPYLENE WEBBING.
  - STRAPS SHALL BE ATTACHED IN THE LOWEST BRANCH CROTCH POSSIBLE, BUT NO HIGHER THAN 2/3 THE HEIGHT OF THE MAIN TRUNK.
  - STRAPS SHALL LAY FLAT AGAINST THE TREE TRUNK AND SHALL NOT BE TWISTED OR FOLDED.
  - STRAPS SHALL BE FIRMLY ATTACHED TO DEADMEN AND HAVE SUFFICIENT SLACK TO ALLOW TRUNK TO SWAY APPROXIMATELY 1" TO 2" IN ANY DIRECTION.

## IRRIGATION NOTES:

- IF NO PERMANENT IRRIGATION IS INSTALLED FOR THE PROJECT, THE CONTRACTOR SHALL INSTALL SLOW-RELEASE WATER BAGS FOR EACH NEWLY PLANTED TREE. BAGS SHALL BE INSTALLED PER MFG. RECOMMENDATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-FILLING EACH BAG, AS NEEDED, FROM THE TIME OF INSTALLATION TO THE TIME OF SUBSTANTIAL COMPLETION. BAGS SHALL BECOME PROPERTY OF THE OWNER AT SUBSTANTIAL COMPLETION.
- IF THE TOTAL VALUE OF THE LANDSCAPE IS \$5,000 OR MORE, A PERMANENT IRRIGATION SYSTEM SHALL BE PROVIDED BY THE CONTRACTOR AS A DESIGN-BUILD EFFORT.
- THE IRRIGATION SYSTEM SHALL PROVIDE SEPARATE ZONES FOR TURF AND LANDSCAPE BEDS. THE SYSTEM SHALL BE EFFICIENTLY DESIGNED TO PROVIDE FULL COVERAGE WITH THE FEWEST ZONES.
- THE SYSTEM SHALL INCLUDE, AS A MINIMUM, ELECTRIC VALVES CONNECTED TO A CONTROLLER, TO BE LOCATED IN THE BUILDING AT THE DIRECTION OF THE OWNER OR THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE SUBMITTALS OF ALL MATERIAL AND EQUIPMENT TO THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND/OR COORDINATING THE INSTALLATION OF REQUIRED TAPS, METERS, BACKFLOW PREVENTERS, ETC. TO ENSURE THAT THE SYSTEM MEETS ALL OF THE APPLICABLE LOCAL, STATE AND/OR FEDERAL LAWS AND REGULATIONS.
- IF NO BUBBLERS ARE PROVIDED FOR INDIVIDUAL TREES, THE CONTRACTOR SHALL SUPPLY SLOW-RELEASE WATER BAGS PER NOTE 1.
- UPON SUBSTANTIAL COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PERFORM A RUN-THROUGH OF THE ENTIRE IRRIGATION SYSTEM, WITH THE OWNER'S REPRESENTATIVE, TO CHECK FOR ANY LEAKS, PRESSURE LOSS OR OTHER MALFUNCTIONS. ALL HEADS SHALL BE ADJUSTED TO ENSURE PROPER COVERAGE AND ELIMINATE OVERSPRAY ONTO SIDEWALKS, PARKING AREAS OR STRUCTURES.
- THE CONTRACTOR SHALL PROVIDE ALL PAPERWORK, DOCUMENTATION, WARRANTIES, ETC. TO THE OWNER'S REPRESENTATIVE PRIOR TO PROJECT COMPLETION.
- THE CONTRACTOR SHALL PROVIDE APPROPRIATE TRAINING AND INSTRUCTION ON THE PROPER USE OF THE IRRIGATION SYSTEM TO THE OWNER AND/OR OWNER'S REPRESENTATIVE PRIOR TO PROJECT COMPLETION.

## TURF GRASS SEED INSTALLATION NOTES

- SEED SHALL BE DELIVERED IN NEW, SEALED BAGS THAT ARE SOUND AND LABELED IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE FEDERAL SEED ACT. LEFT OVER SEED FROM PREVIOUS PROJECTS SHALL NOT BE ALLOWED FOR USE IF BAG SEAL HAS BEEN BROKEN OR OUT DATED.
- ALL SEED SHALL BE FROM THE LAST CROP AVAILABLE AT TIME OF PURCHASE AND SHALL NOT BE MOLDY, WET, OR OTHERWISE DAMAGED IN TRANSIT OR STORAGE.
- SEED SHALL BEAR THE GROWERS ANALYSIS TESTING TO 98 PERCENT FOR PURITY AND 90 PERCENT FOR GERMINATION. AT THE DISCRETION OF LANDSCAPE ARCHITECT, SAMPLES OF SEED MAY BE TAKEN FOR VERIFICATION AGAINST THE GROWER'S ANALYSIS.
- BEFORE FERTILIZING AND SEEDING, THE TOPSOIL SURFACES SHALL BE TRIMMED AND WORKED TO TRUE LINE FROM UNSIGHTLY VARIATION, BUMPS, RIDGES AND DEPRESSIONS AND ALL DETRIMENTAL MATERIAL, ROOTS AND TONES LARGER THAN 3-INCHES IN ANY DIAMETER SHALL BE REMOVED FROM THE SOIL.
- NOT EARLIER THAN 24 HOURS BEFORE SEED IS TO BE SOWN, THE SOIL SURFACE TO BE SEEDED SHALL BE THOROUGHLY CULTIVATED TO A DEPTH OF NOT LESS THAN 4-INCHES WITH A WEIGHTED DISC, TILLER, PULVILIZER OR OTHER EQUIPMENT, UNTIL THE SURFACE IS SMOOTH AND IN A CONDITION ACCEPTABLE TO THE LANDSCAPE ARCHITECT.
- IF THE PREPARED SURFACE BECOMES ERRODED AS A RESULT OF RAIN OR FOR ANY OTHER REASON, OR BECOMES CRUSTED BEFORE THE SEED IS SOWN, THE SURFACE SHALL AGAIN BE PLACED IN A CONDITION SUITABLE FOR SEEDING. GROUND PREPARATION OPERATIONS SHALL BE PERFORMED ONLY WHEN THE GROUND IS IN A TILLABLE AND WORKABLE CONDITION.
- FOLLOWING SEEDBED PREPARATION, FERTILIZER SHALL BE APPLIED TO ALL AREAS TO BE SEEDED PER MANUFACTURER'S RECOMMENDATIONS, BASED ON SOIL SAMPLES. FERTILIZER SHALL BE SPREAD EVENLY OVER THE SEEDBED AND SHALL BE LIGHTLY HARROWED, RAKED, OR OTHERWISE INCORPORATED INTO THE SOIL FOR A DEPTH OF 1-INCH.
- AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY MIXED INTO THE SOIL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS, BASED ON SOIL SAMPLES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ONE APPLICATION OF A MAINTENANCE FERTILIZER ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- SEED SHALL BE SOWN AS SOON AS PREPARATION OF THE SEEDBED HAS BEEN COMPLETED. NO SEED SHALL BE SOWN DURING HIGH WINDS, NOR UNTIL THE SURFACE IS SUITABLE FOR WORKING AND IS IN A PROPER CONDITION. SEEDING SHALL BE PERFORMED DURING DATES AS PER MANUFACTURER'S RECOMMENDATIONS.
- SEED SHALL BE UNIFORMLY SOWN BY ANY APPROVED MECHANICAL METHOD SUITABLE FOR THE SLOPE AND SIZE OF THE AREAS TO BE SEEDED, PREFERABLY WITH A BROADCAST TYPE SEEDER, WINDMILL HAND SEEDER OR APPROVED MECHANICAL POWER DRAWN SEED DRILL. HYDRO-SEEDING AND HYDRO-MULCHING MAY BE USED ON STEEP EMBANKMENTS, PROVIDED FULL COVERAGE IS OBTAINED. CARE SHALL BE TAKEN TO ADJUST THE SEEDER FOR SEEDING AT THE PROPER RATE BEFORE SEEDING OPERATIONS ARE STARTED AND TO MAINTAIN THEIR ADJUSTMENT DURING SEEDING.
- IMMEDIATELY AFTER SOWING THE SEEDS SHALL BE COVERED AND COMPACTED TO A DEPTH OF 1/8 TO 3/8-INCH BY A CULTIPACKER OR SUITABLE ROLLER.
- ALL SEEDED AREAS SHALL BE UNIFORMLY MULCHED IN A CONTINUOUS BLANKET IMMEDIATELY AFTER SEEDING. APPROXIMATELY 45 PERCENT OF THE GROUND SHALL BE VISIBLE THROUGH THE MULCH BLANKET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PROPER MOISTURE CONTENT OF THE SOIL TO INSURE ADEQUATE PLANT GROWTH UNTIL A SATISFACTORY STAND IS OBTAINED.
- WATERING SHALL BE ACCOMPLISHED BY HOSES, TANK TRUCK OR SPRINKLERS IN SUCH A WAY TO PREVENT EROSION, EXCESSIVE RUNOFF AND OVER-WATERED SPOTS.

## TURF GRASS SOD INSTALLATION NOTES

- SOD SHALL CONSIST OF A LIVE, DENSE, WELL-ROOTED GROWTH OF TURF GRASS SPECIES AS NOTED ON THE DRAWINGS. THE SOD SHALL BE FREE FROM JOHNSON GRASS, NUT GRASS, AND OTHER OBNOXIOUS GRASSES AND SHALL BE OF SUITABLE CHARACTER FOR THE PURPOSE INTENDED FOR THE SOIL IN WHICH IT IS TO BE PLANTED. IT SHALL BE UN-INJURED AT THE TIME OF PLANTING.
- SOD SHALL BE UNIFORM IN THICKNESS, HAVING NOT OVER 2-INCHES OR LESS THAN 1-INCH OF SOIL.
- SOD STRIPS SHALL HAVE A CONSISTENT WIDTH OF 12 OR 18-INCHES OR LARGER COMMERCIAL ROLES.
- FERTILIZER (5-10-15) USED IN CONNECTION WITH SODDING, SHALL CONTAIN 5 PERCENT NITROGEN, 10 PERCENT PHOSPHORIC ACID, AND 3 PERCENT POTASH. THE FERTILIZER SHALL BE FURNISHED IN STANDARD CONTAINERS WITH THE NAME, WEIGHT, AND GUARANTEED ANALYSIS OF THE CONTENTS CLEARLY MARKED. THE CONTAINER SHALL ENSURE PROPER PROTECTION IN HANDLING AND TRANSPORTING OF THE FERTILIZER. ALL COMMERCIAL FERTILIZER SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL FERTILIZER LAWS.
- AMMONIUM NITRATE SHALL BE A STANDARD COMMERCIAL PRODUCT, SHALL CONFORM TO THE REQUIREMENTS FOR OTHER COMMERCIAL FERTILIZERS AS SPECIFIED ABOVE, AND SHALL HAVE A MINIMUM OF 32-1/2 PERCENT NITROGEN.
- AGRICULTURAL LIMESTONE SHALL BE DOLOMITIC AND CONTAIN NOT LESS THAN 85 PERCENT OF CALCIUM CARBONATE AND MAGNESIUM CARBONATE COMBINED, AND SHALL BE CRUSHED SO THAT AT LEAST 85 PERCENT WILL PASS THE NO. 10 MESH SIEVE AND 50 PERCENT WILL PASS A NO. 40 MESH SIEVE.
- SOD SHALL BE PLANTED ONLY WHEN THE SOIL IS MOIST AND FAVORABLE FOR GROWTH. NO PLANTING SHALL BE DONE BETWEEN OCTOBER 1 AND APRIL 1 UNLESS WEATHER AND SOIL CONDITIONS ARE CONSIDERED FAVORABLE AND PERMISSION IS GRANTED BY THE LANDSCAPE ARCHITECT.
- THE AREA TO BE SODDED SHALL BE CONSTRUCTED TO THE LINES AND GRADES INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT, AND THE SURFACE LOOSENED TO A DEPTH NOT LESS THAN 3-INCHES WITH A RAKE OR OTHER DEVICE. IF NECESSARY, IT SHALL BE SPRINKLED UNTIL SATURATED AT LEAST 1-INCH IN DEPTH AND KEPT MOIST UNTIL THE SOD IS PLACED THEREON. IMMEDIATELY BEFORE PLACING THE SOD, THE FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS, BASED ON SOIL SAMPLES.
- THE ENTIRE AREA SHALL BE THOROUGHLY COVERED WITH SOD. THE SOD SHALL BE PLACED ON THE PREPARED SURFACE WITH THE EDGES IN CLOSE CONTACT AND, AS FAR AS POSSIBLE, WITH STAGGERED JOINTS.
- THE SOD SHALL BE MAINTAINED MOIST FROM TIME OF REMOVAL UNTIL RESET BUT SHALL BE PLACED AS SOON AS PRACTICABLE AFTER REMOVAL FROM PLACE WHERE GROWING. IMMEDIATELY AFTER PLACING IT SHALL BE ROLLED WITH A LIGHT-WEIGHT ROLLER OR HAND TAMPED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
- SOD ON SLOPES STEEPER THAN 3 TO 1 SHALL BE HELD IN PLACE BY WOODEN PINS ABOUT 1-INCH SQUARE AND 6-INCHES LONG, DRIVEN THROUGH THE SOD INTO THE SOIL UNTIL THEY ARE FLUSH WITH THE TOP OF THE SOD.
- THE SOD SHALL BE WATERED AS DIRECTED BY THE LANDSCAPE ARCHITECT FOR A PERIOD OF TWO WEEKS AFTER WHICH AMMONIUM NITRATE SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS AND THE SOD GIVEN A FINAL WATERING.
- THE CONTRACTOR SHALL NOT ALLOW ANY EQUIPMENT OR MATERIAL TO BE PLACED ON ANY PLANTED AREA AND SHALL ERECT SUITABLE BARRICADES AND GUARDS TO PREVENT CONTRACTOR'S EQUIPMENT, LABOR, OR THE PUBLIC FROM TRAVELING ON OR OVER ANY AREA PLANTED WITH SOD.
- IT SHALL BE THE OBLIGATION OF THE CONTRACTOR TO SECURE A SATISFACTORY GROWTH OF GRASS BEFORE FINAL ACCEPTANCE OF THE PROJECT.



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RELEASED FOR CONSTRUCTION

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### REVISIONS

DATE: DESCRIPTION:

DATE	DESCRIPTION

TREE PLAN NOTES AND CALCULATIONS

PROJECT NUMBER:

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DATE:

OCTOBER 24, 2019

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