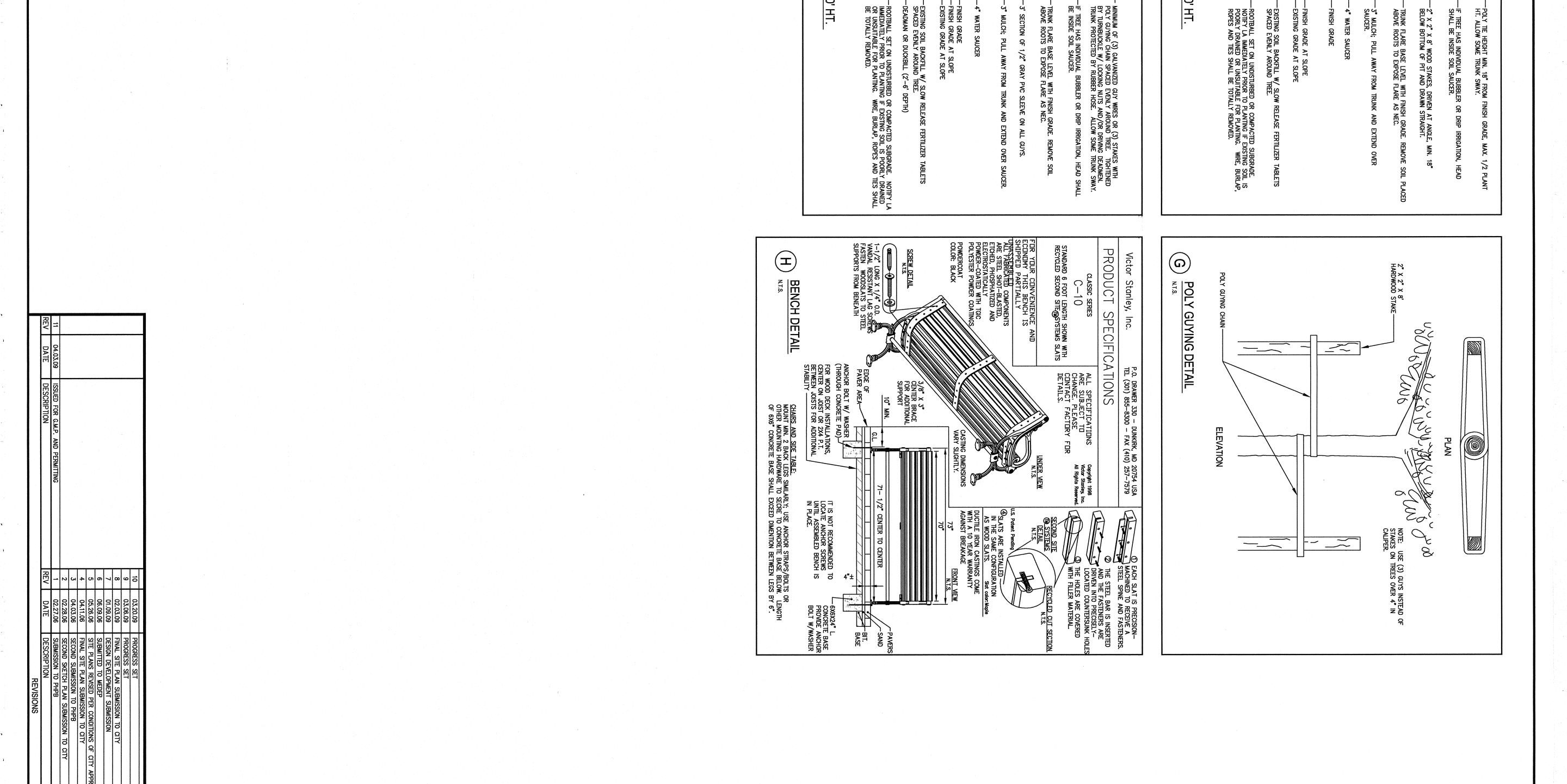
MARTIN'S POINT REDEVELOPMENT
PROJECT PHASE 2

DH

LANDSCAPE DETAILS

SEB DATE:
SEB SCALE:
SEB JOB NO.
234406-LS

MARTIN'S POINT HEALTH CARE



CHEMICALS SHALL BE REGISTERED AND APPROVED BY EPA, ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, AND OF TYPE RECOMMENDED BY MANUFACTURER FOR EACH SPECIFIC PROBLEM AND AS REQUIRED FOR PROJECT CONDITIONS AND APPLICATION. RESTRICTED CHEMICALS SHALL NOT BE USED UNLESS AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION.

ALL NEW AND TRANSPLANTED PLANTS SHALL BE GUARANTEED FOR A PERIOD OF NOT LESS THAN ONE YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION ACCEPTANCE BY THE OWNER AND ENGINEER/LANDSCAPE ARCHITECT. DEAD PLANTS AND PLANTS NOT IN A VIGOROUS, THRIVING CONDITION, AS DETERMINED BY THE ENGINEER/LANDSCAPE ARCHITECT DURING AND AT THE END OF THE GUARANTEE PERIOD, SHALL BE REPLACED WITHOUT COST TO THE OWNER, AS SOON AS WEATHER CONDITIONS PERMIT AND WITHIN THE SPECIFIED PLANTING PERIOD. REPLACEMENTS SHALL MATCH THE ORIGINAL PLANT SPECIES AND SIZE SPECIFIED. IF THE PLANT WAS TRANSPLANTED AND NO NEW PLANT OF THE SAME SPECIES WAS ORIGINALLY SPECIFIED, THEN THE REPLACEMENT SHALL MEET THE MINIMUM SIZE REQUIRED FOR A SIMILAR TYPE. UPON ACCEPTANCE OF THE REPLACEMENT MATERIAL, THE FULL GUARANTEE PERIOD SHALL COMMENCE FOR EACH PLANT REPLACED. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED IN THE COURSE OF REPLACEMENT WORK AT NO COST TO THE OWNER.

FERTILIZER AND LIME (PH ADJUSTMENT) APPLICATIONS FOR LAWNS AND PLANTED AREAS SHALL BE BASED ON RECOMMENDATIONS PROVIDE BY SOIL TESTING ADMINISTERED AT THE START OF CONSTRUCTION AND IN ACCORDANCE WITH CUSTOMARY SEASONAL MAINTENANCE PROCEDURES FOR THE REGION, ANNUAL SOIL TESTING OF REPRESENTATIVE PLANT BEDS AND LAWN AREAS SHALL BE PERFORMED BY THE OWNER OR ITS DESIGNATED REPRESENTATIVE TO DETERMINE FERTILIZATION AND PH ADJUSTMENTS NEEDED TO MAINTAIN THE SOIL PH REQUIRED BY THE TYPE OF PLANTING OR GRASSING.

TREE STAKING MATERIAL SHALL BE REMOVED BY THE LANDSCAPE CONTRACTOR AFTER ONE GROWING SEASON. TREE STAKING MATERIAL SHALL NOT REMAIN LONGER THAT TWO GROWING SEASONS AND SHALL BE REMOVED AS SOON AS THE ROOT SYSTEM BECOMES ESTABLISHED ENOUGH TO SUPPORT THE PLANT IN A VERTICAL POSITION DURING WINDY CONDITIONS.

PERENNIAL PLANTINGS AMENABLE TO DIVISION MAY BE DIVIDED AFTER TWO GROOR TO CREATE OR EXPAND PERENNIAL PLANTING IN THE FOCAL AREA.

IG SEASONS TO FILL IN GAPS IN EX

ALLOW SHRUBS AND ORNAMENTAL GRASSES TO GROW TOGETHER TO FORM A NATURAL EVERGREEN SHRUBS TO GROW TOGETHER TO FORM A SOLID GROUND COVER.

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MULTI-TRUNKED TREE INSTALLATION DETAIL N.T.S.

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TREE PROTECTION

TION DETAIL

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TREE INSTALLATION DETAIL: >10' HT.

STAKING METHOD FOR TREES UNDER BSTITUTED FOR GUY WIRE METHOD.

ROOTBALL SET ON UNDISTURBED OR COMPACTED SUBGRADE. NOTIFY LA IMMEDIATELY PRIOR TO PLANTING IF EXISTING SOIL IS POORLY DRAINED OR UNSUITABLE FOR PLANTING. WIRE, BURLAP ROPES AND TIES SHALL BE TOTALLY REMOVED.

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CONIFER INSTALLATION DETAIL

ROOTBALL SET ON UNDISTURBED OR COMPACTED SUBGR. NOTIFY LA IMMEDIATELY PRIOR TO PLANTING IF EXISTING IS POORLY DRAINED OR UNSUITABLE FOR PLANTING. WIS BURLAP, ROPES AND TIES SHALL BE TOTALLY REMOVED.

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SHRUB INSTALL

ATION DETAIL

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TREE INSTALLATION DETAIL: <10' HT.

10. ALL PLANT BEDS AND WATERING RINGS SHALL BE FREE OF WEEDS OR GRASS PRIOR TO INSTALLATION OF MULCH AND SHALL BE MAINTAINED FREE OF WEEDS UNTIL FINAL ACCEPTANCE OF THE LANDSCAPING. IF VEGETATION EXISTS, OR GERMINATES IN THE COURSE OF WORK, TREAT WITH HERBICIDE; USE OF A PRE-EMERGENT HERBICIDE IS RECOMMENDED IN PLANT BEDS.

11. ALL SHRUB PLANTINGS SHALL BE CONTAINED IN MULCHED BEDS. MULCH SHALL BE MEDIUM SHREDDED BARK, 3" DEPTH. ALL PLANTINGS NOT IN BEDS OR ISLANDS SHALL HAVE MULCHED WATER RINGS IN ACCORDANCE WITH THE PLANT INSTALLATION DETAILS.

12. ALL PLANTS SHALL HAVE THEIR LOCATIONS STAKED AND APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER PRIOR TO PLANT INSTALLATION. ALL PLANTS SHALL BE ORIENTED FOR BEST APPEARANCE.

13. PLANT SPECIES SUBSTITUTIONS WILL NOT BE ALLOWED UNLESS FIRST APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER. ANY CHANGE TO PLANT SPECIES, DUE TO LACK OF AVAILABILITY DURING CONSTRUCTION, SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER.

14. ALL AREAS NOT IDENTIFIED WITH OTHER SURFACE TREATMENTS SHALL BE SEEDED AND STRAW MULCHED WITH SEED MIXES AS NOTED AND AS DESCRIBED IN THE SPECIFICATIONS. ON SLOPES GREATER THAN 3H:1V, INSTALL EROSION CONTROL FABRIC AS SPECIFIED.

ALL BACKFILL MIXES SHALL BE SUPPLEMENTED WITH SLOW RELEASE FERTILIZER TABLETS. TABLETS SHALL BE AGRIFORM 21 GRAM 20-10-5 TABLETS OR AN APPROVED EQUAL. APPLICATION RATE: PERENNIALS - 1 TABLET/PLANT, WOODY SHRUBS TO 3'-0" - 2 TABLETS/PLANT, SHRUBS AND TREES 3'-0" TO 6'-0"-3 TABLETS/PLANT AND TREES 6'-0" AND ABOVE - 4 TABLETS/PLANT. AFTER PLANTS ARE INSTALLED, LIQUID FEED ALL PLANTS WITH ROOTS OR AN APPROVED EQUAL. MIX ACCORDING TO MANUFACTURERS INSTRUCTIONS. APPLICATION RATE: PERENNIALS - 2 QT/PLANT, WOODY SHRUBS TO 4'-0" - 1.5 GAL/PLANT, TREES AND SHRUBS 4'-0" TO 10'-0" 3.0 GAL/PLANT AND TREES 10' AND ABOVE - 4.0 GAL/PLANT.

SHADE TREES REQUIRE A MINIMUM OF THREE 2 X 2 X 8 PT STAKES AND POLYTIES OR GALVANIZED WIRE OR CABLE, DEADMEN, AND BER HOSE PIECES, PER THE INSTALLATION DETAILS AS PROVIDED. EVERGREEN TREES MAY BE STAKED AS NECESSARY TO MAINTAIN TICAL POSITION. TREE STAKING MATERIAL SHALL BE REMOVED BY THE LANDSCAPE CONTRACTOR AFTER ONE GROWING SEASON.

BACKFILL MIX FOR ALL PLANT MATERIAL, EXCEPT TREES, SHALL BE COMPOSED OF TWO PARTS EXISTING SOIL AMENDED WITH ONE PART COMPOST OR TOPSOIL, OR WITH ONE PART SANDY FILL IF HEAVY SOILS. TREE PITS SHALL BE BACKFILLED WITH EXISTING SOIL. PLANTING PITS SHALL BE EXCAVATED TO TWICE THE DIAMETER AND TO THE SAME DEPTH OF THE PLANT ROOT BALL. BACKFILL 1/2 OF DEPTH OF PIT AT A TIME AND COMPACT. REFER TO FERTILIZER RATES AND INSTALL SLOW RELEASE FERTILIZER AFTER FIRST BACKFILL LIFT.

ALL PLANTS SHALL HAVE ALL ROOTBALL WRAPPING MATERIALS (BURLAP, WIRE, STRING, ROPE, POTS, ETC.) REMOVED AT THE TIME OF PLANTING. REMOVE SOIL PLACED ABOVE ROOTS TO EXPOSE TRUNK FLARE AS NECESSARY TO DETERMINE SETTING LEVEL AND PIT DEPTH. CIRCLING ROOTS OR ROOTS THAT WOULD LATER GIRDLE THE PLANT SHALL BE STRAIGHTENED OR CUT OR THE ROOT BALL SHALL BE CUT UTILIZING THE "BUTTERFLY METHOD".

a. PRIOR TO SEEDING, APPLY FERTILIZER AND LIME IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS.
b. SEED MIX A - LAWNIS: 45% KENTUCKY BLUEGRASS, 45% CREEPING RED FESCUE, 10% PERENNIAL RYEGRASS.
RATE: 6 LBS/1000 SF.
c. SEED MIX B - LOW MAINTENANCE AREAS: 35% TALL FESCUE, 30% CREEPING RED FESCUE, 20% PERENNIAL RYEGRASS, 15% ANNUAL RYEGRASS.
RATE: 5 LBS/1000 SF.
d. SEED MIX C - NEW ENGLAND ROADSIDE MATRIX UPLAND SEED MIX: GRASSES WITH WILDFLOWER AND NATIVE SHRUB SEEDS AS DISTRIBUTED BY NE WETLAND PLANTS IN AMHERST, MA.
RATE: 1 LB/1000 SF.
SEED MIX D - SEED MIX FOR SHADED AREAS NEAR WOODLAND EDGE: 50% CREEPING RED FESCUE, 25% CHEWINGS FESCUE, 25% PERENNIAL RYEGRASS.
RATE: 3 LBS/1000 SF. THESE AREAS MAY BECOME PREDOMINATELY LEAF LITTER; THIS MIX IS INTENDED TO PROVIDE TEMPORARY GRASS COVER.
SEED MIX E- UNDERDRAIN FILTER BASINS (BOTTOM): NEW ENGLAND RESTORATION/ EROSION CONTROL SEED MIX FOR MOIST SITES RATE: 1 LB/1000 SF.

THE CONTRACTOR SHALL MAINTAIN PLANT MATERIAL UNTIL COMPLETION OF THE PUNCH LIST ITEMS. FOLLOWING COMPLETION OF THE PUNCH LIST ITEMS, AND FINAL ACCEPTANCE OF LANDSCAPING, MAINTENANCE OF THE PLANT MATERIAL SHALL BECOME THE RESPONSIBILITY OF THE OWNER, OR ITS DESIGNATED REPRESENTATIVE.

IT MAINTENANCE SHALL CONSIST OF PRUNING, WATERING, FERTILIZING, CULTIVATING, WEEDING, MULCHING, REMOVAL OF DEAD FRIAL, DIVISION OF PERENNIALS, RESETTING PLANTS TO PROPER GRADES AND UPRIGHT POSITION, REPAIRING, TIGHTENING AND ACING OF TREE STAKING MATERIALS, AND FURNISHING AND APPLYING SUCH CHEMICALS AS ARE NECESSARY TO KEEP PLANTINGS FREE ISECTS AND DISEASE, AND IN A HEALTHY GROWING CONDITION.

EACH TREE AND SHRUB SHALL BE PRUNED TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. DEAD WOOD, SUCKERS, AND BROKEN AND BADLY BRUISED BRANCHES SHALL BE REMOVED. PRUNING FOR FORM SHALL BE DONE AFTER PLANTS HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEERLANDSCAPE ARCHITECT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. CUTS SHALL BE MADE FLUSH, LEAVING NO STUBS. NO TREE PAINT SHALL BE USED. ALL PLANT CLIPPINGS AND DEBRIS SHALL BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAWN MAINTENANCE. MAINTENANCE SHALL COMMENCE AT THE TIME OF PLANTING AND CONTINUE UNTIL GRASS IS FULL AND ESTABLISHED. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO: WATERING, MOWING, RESEEDING, SEASONAL FERTILIZING, LIMING, APPLICATIONS OF BROADLEAF HERBICIDES, PESTICIDES AND/OR INSECTICIDES AS NECESSARY TO MAINTAIN A HEALTHY STAND OF GRASS. THE OWNER SHALL BECOME RESPONSIBLE FOR LAWN MAINTENANCE AFTER GRASS IS DEEMED ESTABLISHED BY THE ENGINEER/LANDSCAPE ARCHITECT.

ANY DEVIATION FROM THE LANDSCAPE PLAN, INCLUDING PLANT LOCATIONS, SPECIES, SIZES, QUANTITY, OR CONDITION, SHALL BE REVIEWED AND APPROVED BY THE OWNER AND LANDSCAPE ARCHITECT (AND MUNICIPAL AUTHORITY IF APPLICABLE) PRIOR TO INSTALLATION. ANY SCHEDULES OR LISTS ACCOMPANYING THE PLANS SHALL BE USED AS A GUIDE ONLY. IN THE CASE OF DISCREPANCIES BETWEEN PLANS AND SUCH SCHEDULES OR LISTS, THE WORK AS CALLED FOR ON THE PLANS SHALL TAKE PRECEDENCE.

EXISTING SOIL BACKFILL W/ SLOW RELEASE TABLETS SPACED EVENLY AROUND TREE.

-FINISH GRADE AT SLOPI -EXISTING GRADE AT SLO - DEADMAN OR DUCKBILL -3" MULCH; PULL OVER SAUCER.

> 4" WATER SAUCER FINISH GRADE

3" MULCH; PULL AWAY OVER SAUCER.

AND EXTEND

SET CROWN BASE LEVEL WITH FINISH GRADE. REMOVE SOIL PLACED ABOVE ROOTS TO EXPOSE CROWN AS NEC.

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LANDSCAPE NOTES

ALL PLANTS SHALL HAVE A NORMAL HABIT OF GROWTH FOR THE SPECIES AND SHALL BE SOUND, HEALTHY, FREE OF DISEASE AND INSECTS, AND FREE OF DEAD OR DYING BRANCHES, BRANCH TIPS OR BARK WOUNDS. THEY SHALL CONFORM TO THE MEASUREMENTS ON THE PLANT LIST AND SHALL CONFORM TO ANSI Z60.1 - NURSERY STOCK, LATEST REVISION.

THE PLANTING PERIOD SHALL BE APRIL 15 TO OCTOBER 15 AND SHALL ONLY BE PERFORMED WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE. THE SEEDING PERIODS SHALL BE IN THE SPRING (APRIL 15 TO JUNE 15) AND IN THE FALL (SEPTEMBER 15 TO NOVEMBER 1).

THE CONTRACTOR SHALL PROVIDE WATER FOR IRRIGATION IF NOT AVAILABLE ON SITE. ANTIDESSICANT, WILT-PRUI SHALL BE APPLIED AS NECESSARY TO PROTECT AGAINST EXCESSIVE MOISTURE LOSS FROM NEEDLES OR LEAVES. IN AREAS OF NEW CONSTRUCTION OR RENOVATION WORK, EXISTING PLANT MATERIAL AND EXISTING GRASS NOT INDICATED TO REMAIN SHALL BE REMOVED. AREAS INDICATED TO BE SEEDED. EXISTING TREES TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR

IF SHRUB HAS INDIVIDUAL BUBBLER OR HEAD SHALL BE INSIDE SOIL SAUCER.

ROOTBALL SET ON UNDISTURBED OR COMPACTED SUBGR. NOTIFY LA IMMEDIATELY PRIOR TO PLANTING IF EXISTING SOIL IS POORLY DRAINED OR UNSUITABLE FOR PLANTING WIRE, BURLAP, ROPES AND TIES SHALL BE TOTALLY REMOVED.

PLANTING SOIL WITH SLOW RELEASE FERTIL TABLETS SPACED EVENLY AROUND SHRUB.

4" WATER SAUCER

TRUNK FLARE BASE LEVEL WITH FINISH GRADE, R REN PLACED ABOVE ROOTS TO EXPOSE FLARE IF NEC.

3' SECTION OF 1/2'' GRAY PVC SLEEVE ON ALL GUYS. 3" MULCH, PULL AWAY FROM TRUNK AND EXTEND OVER

(2) SIGNS: "DO NOT DISTURB DURING CON ON CONTRUCTION FENCE AT DRIP EDGE.

CONSTRUCTION FENCE 6' EDGE OF TREES.

The state of the s

TRUNK FLARE BASE LEVEL WITH FINISH GRADE. REMOVE SOI PLACED ABOVE ROOTS TO EXPOSE FLARE AS NEC.

if tree has individual bubbler or be inside water saucer, typ.

RES, OR (3) STAKES WITH POLY GUYING TREE. GUY WIRES TIGHTENED BY S AND/OR DRIVING DEADMEN. TRUNK ALLOW SOME TRUNK SWAY.

NOTE: STAKING METHOD FOR TREES UNDER 10' MAY BE SUBSTITUTED FOR WIRE METHOD.

IF TREE HAS INDIVIDUAL BUBBLER OR HEAD SHALL BE INSIDE SOIL SAUCER.