- 1.1 QUALIFICATIONS OF THE LANDSCAPE CONTRACTOR. A. ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING
- 1.2 REFERENCE DOCUMENTS A. REFER TO LANDSCAPE PLANS, NOTES, SCHEDULES AND DETAILS FOR
- ADDITIONAL REQUIREMENTS 1.3 SCOPE OF WORK / DESCRIPTION OF WORK
- A. WORK COVERED BY THESE SECTIONS INCLUDES: FURNISH ALL SUPERVISIONS. LABOR. MATERIALS. SERVICES. EQUIPMENT AND APPLIANCES REQUIRED TO COMPLETE THE WORK COVERED IN CONJUNCTION WITH THE LANDSCAPING COVERED IN LANDSCAPE PLANS
  - AND SPECIFICATIONS INCLUDING:
  - PLANTING (TREES, SHRUBS, GRASSES) BED PREP AND FERTILIZATION
  - 3. NOTIFICATION OF SOURCES
- WATER AND MAINTENANCE UNTIL ACCEPTANCE GUARANTEE
- B. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
- C. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK
- A. AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY AMERICAN ASSOCIATION OF NURSERYMEN; 27 OCTOBER 1980, EDITION; BY AMERICAN NATIONAL STANDARDS INSTUTUTE (Z60.1) - PLANT MATERIAL B. AMERICAN JOINT COMMITTEE ON HORTICULTURE NOMENCLATURE; 1942
- EDITION OF STANDARDIZED PLANT NAMES. C. TEXAS ASSOCIATION OF NURSERYMEN, GRADES AND STANDARDS
- A. PROVIDE REPRESENTATIVE QUANTITIES OF EACH SOIL, MULCH, BED MIX GRAVEL AND STONE BEFORE INSTALLATION. SAMPLES TO BE APPROVED BY
- OWNER'S REPRESENTATIVE BEFORE USE. B. SOIL AMENDMENTS AND FERTILIZERS SHOULD BE RESEARCHED AND BASED ON THE SOILS IN THE AREA.
- C. BEFORE INSTALLATION, SUBMIT DOCUMENTATION THAT PLANT MATERIALS ARE AVAILABLE AND HAVE BEEN RESERVED. FOR ANY PLANT MATERIAL NOT AVAILABLE, SUBMIT REQUEST FOR SUBSTITUTION.
- 1.6 JOB CONDITIONS, DELIVERY, STORAGE AND HANDLING
- A. GENERAL CONTRACTOR TO COMPLETE WORK BEFORE LANDSCAPE CONTRACTOR TO COMMENCE. B. ALL PLANTING BED AREAS SHALL BE LEFT THREE INCHES BELOW FINAL GRADE OF SIDEWALKS, DRIVES AND CURBS. ALL AREAS TO RECEIVE SOLID

SOD SHALL BE LEFT ONE INCH BELOW THE FINAL GRADE OF WALKS, DRIVES

- AND CURBS. CONSTRUCTION DEBRIS SHALL BE REMOVED PRIOR TO LANDSCAPE CONTRACTOR BEGINNING WORK C. STORAGE OF MATERIALS AND EQUIPMENT AT THE JOB SITE WILL BE AT THE RISK OF THE LANDSCAPE CONTRACTOR. THE OWNER CANNOT BE HELD
- RESPONSIBLE FOR THEFT OR DAMAGE. 1.7 SEQUENCING
- A. INSTALL TREES, SHRUBS, AND LINER STOCK PLANT MATERIALS PRIOR TO INSTALLATION OF LAWN/SOLID SOD. B. WHERE EXISTING TURF AREAS ARE BEING CONVERTED TO PLANTING BEDS. THE TURF SHALL BE CHEMICALLY ERADICATED TO MINIMIZE RE-GROWTH IN THE FUTURE. AREAS SHALL BE PROPERLY PREPARED WITH AMENDED
- 1.8 MAINTENANCE AND GUARANTEE

SECTIONS

STEP 1:

A. THE LANDSCAPE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK FROM THE TIME OF PLANTING UNTIL FINAL

THEY SHOW HEALTHY GROWTH AND SATISFACTORY FOLIAGE CONDITIONS.

- B. NO TREES, GRASS, GROUNDCOVER OR GRASS WILL BE ACCEPTED UNLESS
- C. MAINTENANCE SHALL INCLUDE WATERING OF TREES AND PLANTS, CULTIVATION, WEED SPRAYING, EDGING, PRUNING OF TREES, MOWING OF GRASS, CLEANING UP AND ALL OTHER WORK NECESSARY FOR
- D. A WRITTEN NOTICE REQUESTING FINAL INSPECTION AND ACCEPTANCE SHOULD BE SUBMITTED TO THE OWNER AT LEAST 7 DAYS PRIOR TO COMPLETION. AN ON SITE INSPECTION BY THE OWNER'S AUTHORIZED

— ROOT ANCHOR TRFF TRUNK U-BRACKET

PLACE ANCHOR WITH RING SIDE DOWN AGAINST TOP OF ROOT BALL
SEE CHART FOR RECOMMENDED DEPTHS

9973 FM 521 Road

Rosharon, Texas 77583

CENTER ROOT ANCHOR'S INNER RING(S) AROUND TRUNK OF TREE

ALIGN DRIVE ROD AS CLOSE AS POSSIBLE TO OUTSIDE EDGE OF

- REPRESENTATIVE WILL BE COMPLETED PRIOR TO WRITTEN ACCEPTANCE. E. NOTIFY OWNER OR OWNER'S REPRESENTATIVE SEVEN DAYS PRIOR TO THE EXPIRATION OF THE WARRANTY PERIOD.
- F. REMOVE DEAD, UNHEALTHY AND UNSIGHTLY PLANTS DURING WARRANTY
- G. REMOVE GUYING AND STAKING MATERIALS AFTER ONE YEAR H ALL LANDSCAPE MUST BE MAINTAINED AND GRASS MOWED/EDGED ON A WEEKLY SCHEDULE UNTIL ACCEPTANCE BY OWNER. REMOVE CLIPPINGS AND DEBRIS FROM SITE PROMPTLY.
- REMOVE TRASH, DEBRIS, AND LITTER. WATER, PRUNE, RESTAKE TREES, FERTILIZE, WEED AND APPLY HERBICIDES AND FUNGICIDES AS REQUIRED. J. COORDINATE THE OPERATION OF IRRIGATION SYSTEM TO ENSURE THAT
- PLANTS ARE ADEQUATELY WATERED. HAND WATER AREAS NOT RECEIVING ADEQUATE WATER FROM AN IRRIGATION SYSTEM. K. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN ACCORDANCE TO THE MAINTENANCE SERVICE TO ENSURE THE SYSTEM IS IN PROPER WORKING ORDER WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
- REAPPLY MULCH TO BARE AND THIN AREAS. M SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF GRASS AT NO ADDITIONAL COST TO THE OWNER.
- N TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR: a. THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH
- EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE. b. ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL
- ACCEPTANCE. SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE. HEALTHY GROWTH BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESODDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL

ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.

- A. TREES, SHRUBS, GROUNDCVOER SHALL BE GUARANTEED (IN WRITING) FOR A 12 MONTH PERIOD (90 DAYS FOR ANNUAL PLANTING OR AT THE END OF THE SEASONAL COLOR GROWING SEASON, WHICHEVER COMES SOONER) AFTER FINAL ACCEPTANCE THE CONTRACTOR SHALL REPLACE ALL DEAD MATERIALS AS SOON AS WEATHER PERMITS AND UPON NOTIFICATION OF THE OWNER.
- B. PLANTS INCLUDING TREES, WHICH HAVE PARTIALLY DIED SO THAT SHAPE SIZE OR SYMMETRY HAVE BEEN DAMAGED SHALL BE CONSIDERED SUBJECT TO REPLACEMENT. IN SUCH CASES, THE OPINION OF THE OWNER SHALL BE
- C. PLANTS USED FOR REPLACEMENT SHALL BE OF THE SAME SIZE AND KIND AS THOSE ORIGINALLY PLANTED OR SPECIFIED. ALL WORK INCLUDING MATERIALS, LABOR AND EQUIPMENT USED IN REPLACEMENTS SHALL CARRY A 12 MONTH GUARANTEE. ANY DAMAGE INCLUDING RUTS IN LAWN OR BED IMMEDIATELY REPAIRED.
- AREAS INCURRED AS A RESULT OF MAKING REPLACEMENTS SHALL BE D. WHEN PLANT REPLACEMENTS ARE MADE, PLANTS, SOIL MIX, FERTILIZER AND MULCH ARE TO BE UTILIZED AS ORIGINALLY SPECIFIED AND RE-INSPECTED FOR FULL COMPLIANCE WITH THE CONTRACT REQUIREMENTS. ALL REPLACEMENTS ARE INCLUDED UNDER "WORK" OF
- E. THE OWNER AGREES THAT FOR THE ONE YEAR WARRANTY PERIOD TO BE EFFECTIVE, HE WILL WATER PLANTS AT LEAST TWICE A WEEK DURING DRY
- F. THE ABOVE GUARANTEE SHALL NOT APPLY WHERE PLANTS DIE AFTER ACCEPTANCE BECAUSE OF DAMAGE DUE TO ACTS OF GOD, VANDALISM, INSECTS, DISEASE, INJURY BY HUMANS, MACHINES, THEFT OR NEGLIGENCE
- G. ACCEPTANCE FOR ALL LANDSCAPE WORK SHALL BE GIVEN AFTER FINAL INSPECTION BY THE OWNER PROVIDED THE JOB IS IN A COMPLETE, UNDAMAGED CONDITION AND THERE IS A STAND OF GRASS IN ALL LAWN AREAS. AT THAT TIME, THE OWNER WILL ASSUME MAINTENANCE ON THE ACCEPTED WORK.

## 1.9 QUALITY ASSURANCE

ANCHOR

**DETAIL A** 

• DRIVE ANCHOR STRAIGHT DOWN INTO

PER TREE SIZE

PERIODS.

- A. COMPLY WITH ALL FEDERAL, STATE, COUNTY AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. B. EMPLOY PERSONNEL EXPERIENCED AND FAMILIAR WITH THE REQUIRED
- WORK AND SUPERVISION BY A FOREMAN. C. MAKE CONTACT WITH SUPPLIERS IMMEDIATELY UPON OBTAINING NOTICE
- OF CONTRACT ACCEPTANCE TO SELECT AND BOOK MATERIALS. D. DEVELOP A PROGRAM OF MAINTENANCE (PRUNING AND FERTILIZATION) WHICH WILL ENSURE THE PURCHASED MATERIALS WILL MEET AND/OR EXCEED PROJECT SPECIFICATIONS.

- E. DO NOT MAKE PLANT MATERIAL SUBSTITUTIONS. IF THE LANDSCAPE MATERIAL SPECIFIED IS NOT READILY AVAILABLE, SUBMIT PROOF TO LANDSCAPE ARCHITECT ALONG WITH THE PROPOSED MATERIAL TO BE
- F. AT THE TIME BIDS ARE SUBMITTED. THE CONTRACTOR IS ASSUMED TO HAVE LOCATED THE MATERIALS NECESSARY TO COMPLETE THE JOB AS
- G. OWNER'S REPRESENTATIVE SHALL INSPECT ALL PLANT MATERIAL AND RETAINS THE RIGHT TO INSPECT MATERIALS UPON ARRIVAL TO THE SITE AND DURING INSTALLATION THE OWNER'S REPRESENTATIVE MAY ALSO REJECT ANY MATERIALS HE/SHE FEELS TO BE UNSATISFACTORY OR DEFECTIVE DURING THE WORK PROCESS. ALL PLANTS DAMAGED IN
- TRANSIT OR AT THE JOB SITE SHALL BE REJECTED. 1.10 PRODUCT DELIVERY, STORAGE AND HANDLING

## A. PREPARATION 1. BALLED AND BURLAPPED B&B PLANTS): DIG AND PREPARE SHIPMENT IN A MANNER THAT WILL NOT DAMAGE ROOTS,

- BRANCHES, SHAPE AND FUTURE DEVELOPMENT. 2. CONTAINER GROWN PLANTS: DELIVER PLANTS IN RIGID CONTAINER TO HOLD BALL SHAPE AND PROTECT ROOT MASS.
- B. DELIVERY 1. DELIVER PACKAGED MATERIALS IN SEALED CONTAINERS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. PROTECT MATERIALS FROM DETERIORATION DURING

## DELIVERY AND WHILE STORED ON SITE. 2. DELIVER ONLY PLANT MATERIALS THAT CAN BE PLANTED IN ONE DAY UNLESS ADEQUATE STORAGE AND WATERING FACILITIES ARE AVAILABLE ON SITE

3. PROTECT ROOT BALLS BY HEELING IN WITH SAWDUST OR OTHER APPROVED MOISTURE RETAINING MATERIAL IF NOT PLANTED WITHIN 24 HOURS OF DELIVERY. 4. PROTECT PLANTS DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALL OR DESICCATION OF LEAVES. 5. KEEP PLANTS MOIST AT ALL TIMES. COVER ALL MATERIALS DURING TRANSPORT 6. NOTIFY OWNERS REPRESENTATIVE OF DELIVERY 72 HOURS

PRIOR TO DELIVERY OF PLANT MATERIAL AT JOB SITE.

## 8. TO AVOID DAMAGE OR STRESS, DO NOT LIFT, MOVE, ADJUST TO PLUMB, OR OTHERWISE MANIPULATE PLANTS BY TRUNK OR

7. REMOVE REJECTED PLANT MATERIAL IMMEDIATELY FROM JOB

## PART 2 - PRODUCTS

- 2.1 PLANT MATERIALS A. GENERAL: WELL FORMED NO. 1 GRADE OR BETTER NURSERY GROWN STOCK, LISTED PLANT HEIGHTS ARE FROM TOPS OF FOOT BALLS TO NOMINAL TOPS OF PLANTS. PLANT SPREAD REFERS TO NOMINAL OUTER WIDTH OF THE PLANT NOT THE OUTER LEAF TIPS. PLANTS SHALL B INDIVIDUALLY APPROVED BY THE OWNERS REPRESENTATIVE AND THEIR DECISION AS TO THEIR ACCEPTABILITY SHALL BE FINAL.
- B. QUANTITIES: THE DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY ANYTHING CALLED FOR ON ONE AND NOT THE OTHER IS AS BINDING AS IF SHOWN AND CALLED FOR ON BOTH. THE PLANT SCHEDULE IS AN AID TO BIDDERS ONLY. CONFIRM ALL QUANTITIES ON PLAN.
- C. QUANTITIES AND SIZE: PLANT MATERIALS SHALL CONFORM TO THE SIZE GIVEN ON THE PLAN AND SHALL BE HEALTHY. WELL SHAPED. FULL BRANCHED AND WELL ROOTED. SYMMETRY IS ALSO IMPERATIVE. PLANTS SHALL BE FREE FROM INSECTS, INJURY, DISEASE, BROKEN BRANCHES, DISFIGUREMENTS, INSECT EGGS AND ARE TO BE OF SPECIMEN QUALITY
- D. APPROVAL ALL PLANTS WHICH ARE FOUND UNSUITABLE IN GROWTH OR ARE UNHEALTHY. BADLY SHAPED OR UNDERSIZED WILL BE REJECTED BY THE OWNERS REPRESENTATIVE EITHER BEFORE OR AFTER PLANTING AND SHALL BE REMOVED AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR AND REPLACED WITH ACCEPTABLE SPECIMENS.
- TREES SHALL BE HEALTHY, FULL BRANCHED, WELL SHAPED AND SHALL MEET THE MINIMUM REQUIREMENTS AS SPECIFIED ON THE PLANT SCHEDULE. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE IF POSSIBLE, AND WITH SIMILAR CLIMACTIC F PRIINING: ALL PRUNING OF TREES AND SHRUBS SHALL BE EXECUTED BY
- THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, PRIOR TO FINAL ACCEPTANCE.
- G. PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED, EXCEPT THE PLANTS LARGER THAN THOSE SPECIFIED MAY BE USED. USE OF LARGER PLANTS SHALL NOT INCREASE THE CONTRACT PRICE.
- H. WHERE MATERIALS ARE PLANTED IN MASSES, PROVIDE PLANTS OF ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED, FIBROUS ROOT

SYSTEMS NON-POT-BOLIND FREE FROM ENCIRCLING AND/OR GIRDLING

ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS J-SHAPED

- J. ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING K TREE TRUNKS TO BE STURDY. EXHIBIT HARDENED SYSTEMS AND VIGOROUS
- AND FIBROUS ROOT SYSTEMS, NOT ROOT OR POT BOUND. L. TREES WITH DAMAGED OR CROOKED LEADERS, BARK ABRASIONS, SUNSCALD, DISFIGURING KNOTS, OR\INSECT DAMAGE WILL BE REJECTED.
- M. CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE BOOT FLARE FOR TREES LIP TO AND INCLUDING FOUR INCHES IN CALIPER. AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER
- N. MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL. O ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF
- THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED. P. SOD: PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS SOD SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL THICKNESS
- OF 3/4" TO 1" FACH PAILET OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.

## 2.2 SOIL PREPARATION MATERIALS A. SANDY LOAM:

- 1. FRIABLE, FERTILE, DARK, LOAMY SOIL, FREE OF CLAY LUMPS, SUBSOIL, STONES AND OTHER EXTRANEOUS MATERIAL AND REASONABLY FREE OF WEEDS AND FOREIGN GRASSES. LOAM CONTAINING DALLASGRASS OR
- NUTGRASS SHALL BE REJECTED. 2. PHYSICAL PROPERTIES AS FOLLOWS:
- a. CLAY BETWEEN 7-27% b. SILT – BETWEEN 15-25%
- c. SAND LESS THAN 52% 3. ORGANIC MATTER SHALL BE 3%-10% OF TOTAL DRY
- 4. IF REQUESTED, LANDSCAPE CONTRACTOR SHALL PROVIDE A CERTIFIED SOIL ANALYSIS CONDUCTED BY AN
- APPROVED SOIL TESTING LABORATORY VERIFYING THAT SANDY LOAM MEETS THE ABOVE REQUIREMENTS. B. ORGANIC MATERIAL: COMPOST WITH A MIXTURE OF 80% VEGETATIVE MATTER AND 20% ANIMAL WASTE. INGREDIENTS
- SHOULD BE A MIX OF COURSE AND FINE TEXTURED MATERIAL. C. PREMIXED BEDDING SOIL AS SUPPLIED BY VITAL EARTH RESOURCES GLADEWATER, TEXAS; PROFESSIONAL BEDDING SOIL AS SUPPLIED BY LIVING FARTH TECHNOLOGY DALLAS TEXAS OR ACID GRO MUNICIPAL MIX AS SUPPLIED BY SOIL BUILDING SYSTEMS, DALLAS,
- TEXAS OR APPROVED EQUAL. D. SHARP SAND: SHARP SAND MUST BE FREE OF SEEDS, SOIL PARTICLES AND WEEDS.
- E. MULCH: DOUBLE SHREDDED HARDWOOD MULCH, PARTIALLY DECOMPOSED, DARK BROWN. F. ORGANIC FERTILIZER: FERTILAID, SUSTANE, OR GREEN SENSE OR EQUAL AS RECOMMENDED FOR REQUIRED APPLICATIONS. FERTILIZER SHALL BE DELIVERED TO THE SITE IN ORIGINAL UNOPENED
- CONTAINERS, EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS. G. COMMERCIAL FERTILIZER: 10-20-10 OR SIMILAR ANALYSIS. NITROGEN SOURCE TO BE A MINIMUM 50% SLOW RELEASE ORGANIC NITROGEN (SCU OR UF) WITH A MINIMUM 8% SULFUR AND 4% IRON, PLUS
- MICRONUTRIENTS. H. PEAT: COMMERCIAL SPHAGNUM PEAT MOSS OR PARTIALLY DECOMPOSED SHREDDED PINE BARK OR OTHER APPROVED ORGANIC MATERIAL

## 2.3 MISCELLANEOUS MATERIALS

- A. STEEL EDGING SHALL BE 3/16" X 4" X 16" DARK GREEN LANDSCAPE EDGING. DURAEDGE STEEL OR APPROVED EQUAL. B. TREE STAKING - TREE STAKING SOLUTIONS OR APPROVED SUBSTITUTE;
- REFER TO DETAILS. C. FILTER FABRIC - MIRAFI 1405 BY MIRAFI INC. OR APPROVED SUBSTITUTE. AVAILABLE AT LONE STAR PRODUCTS, INC. (469-523-0444)
- D. SAND UNIFORMLY GRADED, WASHED, CLEAN, BANK RUN SAND E. GRAVEL: WASHED NATIVE PEA GRAVEL, GRADED 1" TO 1.5"
- F. DECOMPOSED GRANITE BASE MATERIAL OF NATURAL MATERIAL MIX OF GRANITE AGGREGATE NOT TO EXCEED 1/8" IN DIAMETER COMPOSED OF VARIOUS STAGES OF DECOMPOSED EARTH BASE.
- G. RIVER ROCK LOCALLY AVAILABLE NATIVE RIVER ROCK BETWEEN 2"-4" IN H. PRE-EMERGENT HERBICIDES: ANY GRANULAR, NON-STAINING

## PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.

SHRUBS OR GROUNDCOVER AS

SPECIFIED ON PLAN

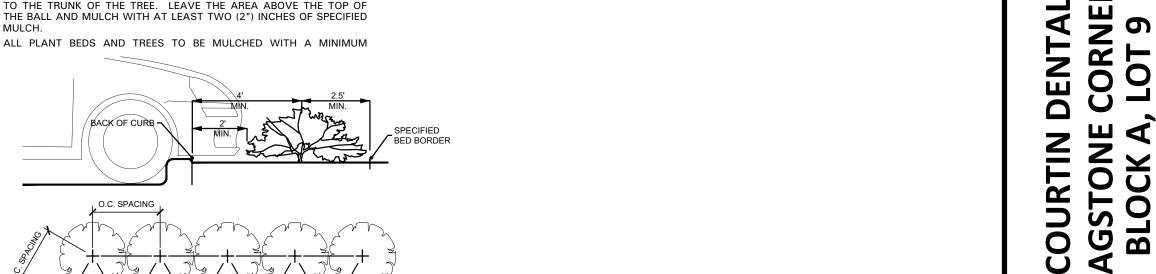
## PART 3 - EXECUTION

## 3.1 PREPARATION

- A. LANDSCAPE CONTRACTOR TO INSPECT ALL EXISTING CONDITIONS
- AND REPORT ANY DEFICIENCIES TO THE OWNER. B. ALL PLANTING AREAS SHALL BE CONDITIONED AS FOLLOWS 1. PREPARE NEW PLANTING BEDS BY SCRAPING AWAY EXISTING GRASS AND WEEDS AS NECESSARY. TILL EXISTING SOIL TO A DEPTH OF SIX (6") INCHES PRIOR TO
- PLACING COMPOST AND FERTILIZER. APPLY FERTILIZER AS PER MANUFACTURER'S RECOMMENDATIONS. ADD SIX (6") INCHES OF COMPOST AND TILL INTO A DEPTH OF SIX (6") INC][;R OF SPECIFIED MULCH (SETTLED THICKNESS).
- 3. BACKFILL FOR TREE PITS SHALL BE AS FOLLOWS: USE EXISTING TOP SOIL ON SITE (USE IMPORTED TOPSOIL AS NEEDED) FREE FROM LARGE CLUMPS, ROCKS, DEBRIS. CALICHE, SUBSOILS, ETC., PLACED IN NINE (9") INCH LAYERS AND WATERED IN THOROUGHLY.
- C. GRASS AREAS: 1. BLOCKS OF SOD SHOULD BE LAID JOINT TO JOINT (STAGGERED JOINTS) AFTER FERTILIZING THE GROUND FIRST. ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SURFACE. THE JOINTS BETWEEN THE BLOCKS OF SOD SHOULD BE FILLED WITH TOPSOIL WHERE THEY ARE GAPED OPEN, THEN WATERED THOROUGHLY.

- A. MAINTENANCE OF PLANT MATERIALS SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS DELIVERED TO THE SITE AND SHALL CONTINUE UNTIL ALL CONSTRUCTION HAS BEEN SATISFACTORILY
- ACCOMPLISHED. B. PLANT MATERIALS SHALL BE DELIVERED TO THE SITE ONLY AFTER THE BEDS ARE PREPARED AND AREAS ARE READY FOR PLANTING. ALI SHIPMENTS OF NURSERY MATERIALS SHALL BE THOROUGHLY PROTECTED FROM THE WINDS DURING TRANSIT. ALL PLANTS WHICH CANNOT BE PLANTED AT ONCE, AFTER DELIVERY TO THE SITE, SHALL BE WELL PROTECTED AGAINST THE POSSIBILITY OF DRYING BY WIND AND BALLS OF EARTH OF B & B PLANTS SHALL BE KEPT COVERED WITH SOIL OR OTHER ACCEPTABLE MATERIAL. ALL PLANTS REMAIN THE PROPERTY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE.
- C. POSITION THE TREES AND SHRUBS IN THEIR INTENDED LOCATION AS PER PLAN.
- D. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL POSITIONING OF PLANT MATERIALS. E. EXCAVATE PITS WITH VERTICAL SIDES AND HORIZONTAL BOTTOM.
- TREE PITS SHALL BE LARGE ENOUGH TO PERMIT HANDLING AND PLANTING WITHOUT INJURY TO BALLS OF FARTH OR ROOTS AND SHALL BE OF SLICH DEPTH THAT WHEN PLANTED AND SETTLED. THE CROWN OF THE PLANT SHALL BEAR THE SAME RELATIONSHIP TO THE FINISH GRADE AS IT DID TO SOIL SURFACE IN ORIGINAL PLACE OF GROWTH. THE SIDES OF THE HOLE SHOULD BE ROUGH AND JAGGED, NEVER SLICK OR GLAZED
- F. SHRUB AND TREE PITS SHALL BE NO LESS THAN TWENTY-FOUR (24") INCHES WIDER THAN THE LATERAL DIMENSION OF THE EARTH BALL AND SIX (6") INCHES DEEPER THAN IT'S VERTICAL DIMENSION. REMOVE AND HAUL FROM SITE ALL ROCKS AND STONES OVER THREE-QUARTER (3/4") INCH IN DIAMETER. PLANTS SHOULD BE
- THOROUGHLY MOIST BEFORE REMOVING CONTAINERS. G. PERCOLATION TEST: FILL THE HOLE WITH WATER. IF THE WATER LEVEL DOES NOT PERCOLATE WITHIN 24 HOURS, THE TREE NEEDS TO MOVE TO ANOTHER LOCATION OR HAVE DRAINAGE ADDED. INSTALL A PVC STAND PIPE PER TREE IF THE PERCOLATION TEST FAILS.
- H. BACKFILL ONLY WITH 5 PARTS EXISTING SOIL OR SANDY LOAM AND 1 PART BED PREPARATION. WHEN THE HOLE IS DUG IN SOLID ROCK, TOPSOIL FROM THE SAME AREA SHOULD NOT BE USED. CAREFULLY SETTLE BY WATERING TO PREVENT AIR POCKETS. REMOVE THE BURLAP FROM THE TOP  $\frac{1}{3}$  OF THE BALL, AS WELL AS ALL NYLON, PLASTIC STRING AND WIRE. CONTAINER TREES WILL USUALLY BE ROOT BOUND, IF SO FOLLOW STANDARD NURSERY PRACTICE OF 'ROOT SCORING'.
- I. DO NOT WRAP TREES.
- J. DO NOT OVER PRUNE. K. REMOVE NURSERY TAGS AND STAKES FROM ALL PLANTS
- L. REMOVE BOTTOM OF PLANT BOXES PRIOR TO PLACING PLANTS. REMOVE SIDES AFTER PLACEMENT AND PARTIAL BACKFILLING. M. REMOVE UPPER THIRD OF BURLAP FROM BALLED AND BURLAPPED TREES
- AFTER PLACEMENT. N. PLACE PLANT UPRIGHT AND PLUMB IN CENTER OF HOLE. ORIENT PLANTS FOR BEST APPEARANCE. O. MULCH THE TOP OF THE BALL. DO NOT PLANT GRASS ALL THE WAY TO THE TRUNK OF THE TREE. LEAVE THE AREA ABOVE THE TOP OF
- P. ALL PLANT BEDS AND TREES TO BE MULCHED WITH A MINIMUM

BACK OF CURB



SHRUB SPACING AND PLANTING AT B.O.C.

## IMMEDIATELY AFTER PLANTING OPERATIONS ARE COMPLETED, ALL TREE PITS SHALL BE COVERED WITH A LAYER OF ORGANIC MATERIAL TWO (2") INCHES IN DEPTH. THIS LIMIT OF THE ORGANIC MATERIAL FOR TREES SHALL BE THE DIAMETER OF THE PLANT PIT. Q. STEEL EDGE INSTALLATION: EDGE SHALL BE ALIGNED AS INDICATED ON PLANS. STAKE OUT LIMITS OF STEEL CURBING AND OBTAIN OWNERS APPROVAL PRIOR TO INSTALLATION. ALL STEEL CURBING SHALL BE FREE OF KINKS AND 2. TOP OF EDGING SHALL BE ½" MAXIMUM HEIGHT ABOVE FINAL FINISHED GRADE. 3. STAKES ARE TO BE INSTALLED ON THE PLANTING BED SIDE OF THE CURBING, AS OPPOSED TO THE GRASS 4. DO NOT INSTALL STEEL EDGING ALONG SIDEWALKS OR

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## 5. CUT STEEL EDGING AT 45 DEGREE ANGLE WHERE EDGING MEETS SIDEWALKS OR CURBS.

3.3 CLEANUP AND ACCEPTANCE

CONTRACTOR

PREVAILING WINDS.

ARBORIST ASSOCIATION.

TERMINAL BRANCHES.

ABRUPT BENDS.

- A. CLEANUP: DURING THE WORK, THE PREMISES SHALL BE KEPT NEAT AND ORDERLY AT ALL TIMES. STORAGE AREAS FOR ALL MATERIALS SHALL BE SO ORGANIZED SO THAT THEY, TOO, ARE NEAT AND ORDERLY. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE AS WORK PROGRESSES. KEEP PAVED AREAS CLEAN BY SWEEPING OR HOSING THEM AT END OF EACH WORK DAY B. REPAIR RUTS, HOLES AND SCARES IN GROUND SURFACES.
- C. ENSURE THAT WORK IS COMPLETE AND PLANT MATERIALS ARE IN VIGOROUS AND HEALTHY GROWING CONDITION.

SETTLED THICKNESS OF TWO (2") INCHES OVER THE ENTIRE BED OR

UNDERGROUND CONSTRUCTION WORK OR OBSTRUCTIONS ARE

ENCOUNTERED IN ANY PLANT PIT EXCAVATION WORK TO BE DONI

UNDER THIS SECTION, ALTERNATE LOCATIONS MAY BE SELECTED BY

THE OWNER. WHERE LOCATIONS CANNOT BE CHANGED. THE

OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF NOT LESS THAN

BELOW THE BOTTOM OF BALL WHEN PLANT IS PROPERLY SET AT TH

REQUIRED GRADE. THE WORK OF THIS SECTION SHALL INCLUDE THI

REMOVAL FROM THE SITE OF SUCH ROCK OR UNDERGROUND

R. TREES AND LARGE SHRUBS SHALL BE STAKED AS SITE CONDITIONS

S. PRUNING AND MULCHING: PRUNING SHALL BE DIRECTED BY THE

DEAD WOOD, SUCKERS, BROKEN AND BADLY BRUISED

OBSTRUCTIONS ENCOUNTERED AT THE COST OF THE LANDSCAPE

REQUIRE. POSITION STAKES TO SECURE TREES AGAINST SEASONAL

LANDSCAPE ARCHITECT AND SHALL BE PRUNED IN ACCORDANCE

WITH STANDARD HORTICULTURAL PRACTICE FOLLOWING FINE

PRUNING, CLASS I PRUNING STANDARDS PROVIDED BY THE NATIONAL

BRANCHES SHALL BE REMOVED. GENERAL TIPPING OF

THE BRANCHES IS NOT PERMITTED. DO NOT CUT

PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.

THREE (3') FEET BELOW GRADE AND NO LESS THAN SIX (6") INCHES

Q. OBSTRUCTION BELOW GROUND: IN THE EVENT THAT ROCK, OR

- D. UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST
- AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY. E. WHEN/IF THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
- F. THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND **GUARANTEE PERIODS WILL COMMENCE**

END OF SECTION

FOR SHRUBS & ALONG BACK OF

CURB TO ALLOW

FOR CAR OVERHANG

# **FINAL AS-BUILT** RECORD PLANS



TO THE BEST OF OUR KNOWLEDGE, KSA, HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION



Know what's below. Call before you dig.

CASE NUMBER: SP2020-031

OWNER

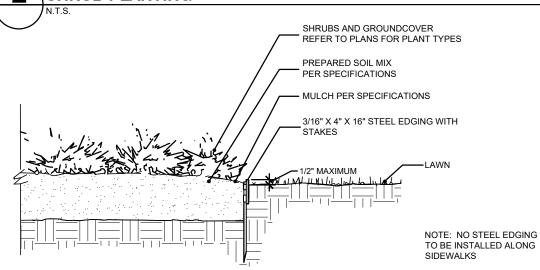
MARY COURTIN 991 INTERSTATE 30

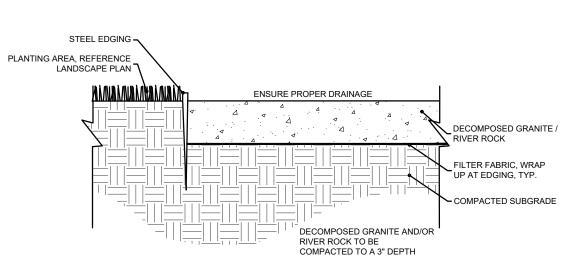
ROCKWALL, TX 7508

SUITE 103

Phone: 281-778-1400 TIE EXCESS STRAP OFF TO THE U-BRACKET ALLOWING ENOUGH REMAINING Mobile: 903-676-6143 Fax: 281-778-1425

TOP OF MULCH SHOULD BE AT MINIMUM, 1/2" BELOW LAYER OF MULCH, WALK OR CURBIN ETTLED THICKNESS SHOULD BE 2" MIN. CURB OR SIDEWALK NO STEEL EDGING ROOT BALL, DO NOT ALONG WALK, TY PLANTING SOIL MIX. TILL IN WITH PARTS EXISTING SOIL, EXCLUDING LARGE CLODS AND ROCKS. REF. LANDSCAPE UNDISTURBED SUBGRADE / NATIVE SOIL PLAN FOR SPACING **SHRUB PLANTING** SHRUBS AND GROUNDCOVER REFER TO PLANS FOR PLANT TYPES PREPARED SOIL MIX PER SPECIFICATIONS MULCH PER SPECIFICATIONS





 $ackslash\mathsf{STEEL}$  EDGING DETAIL

REMOVE DRIVE ROD REPEAT STEPS 1 & 2 FOR ALL THREE (3) ANCHOR LOCATIONS PULL BACK ON STRAP APPROXIMATELY 3" FOR THE V-68 ANCHOR, OR 6" TO 7

FOR THE V-88 ANCHOR TO SET ANCHOR INTO A HORIZONTAL OR LOCKED

POSITION. A FULCRUM MAY BE REQUIRED TO ASSIST IN SETTING THE ANCHOR

PLACE "S" HOOK OVER THE END OF THE U-BRACKET PULL STRAP UP VERTICALLY UNTIL ROOT ANCHOR RINGS BITE INTO THE TOP OF THE ROOT BALL AND U-BRACKETS ARE SETTING FLUSH ON TOP OF THE ROOT

\DECOMPOSED GRANITE / RIVER ROCK