

Kimley Horn

a 2023 KMLEY-40RA ADD ASSOCIATES INC.

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DATE
APRIL 2025
SCALE AS SHOWN APRIL 2025
DESIGNED BY BTM

SAM'S CLUB STORE #6381 751 W. MAIN ST. 75067 CITY OF LEWISVILLE, TX

OVERALL EXISITNG CONDITIONS PLAN

- CLOSED CELL FOAM PAD NOTES:

1. REF. TREE AND PLANT PROTECTION SPECIFICATIONS FOR ADDITIONAL INFORMATION. 2" x 4" WOODEN PLANKS - STEEL STRAPS STAPLED TO PLANKS TRUNK PROTECTION Scale: NTS TREE PROTECTION SIGN ENLARGEMENT OTES:
ALL EXCAVATION FOR AGGREGATE UNIDER EXISTING TREES TO BE DONE BY HAND, NO HEAVY EQUIPMENT UNDER EXISTING TREES, SEE TREE, AND PLANT PROTECTION SPECIFICATIONS FOR WATERING AND OTHER ADDITIONAL REQUIREMENTS.
ALL TREE AND ROOT PRUNNED SHALL BE PERFORMED UNDER THE SUPERVISION OF AN I.S.A. CERTIFICIA PROBESTS. ARBORISTS SHALL MAKE ALL FINAL ROOT PRUNNING RECOMMENDATIONS TO OWNERS REPRESENTATIVE FOR APPROVAL PRIOR TO PRUNNING OPERATIONS.
NO EQUIPMENT SHALL OPERATE UNDER THE EXISTING TREE.
THEE PROTECTION FERNEL LAYOUT AND INSTALLATION TO BE APPROVED BY OWNERS REPRESENTATIVE FOR TO AND INSTALLATION TO BE APPROVED BY OWNERS THE PROTECTION FERNEL LAYOUT AND INSTALLATION TO BE APPROVED BY OWNERS REPRESENTATIVE PRIOR TO ANY CONSTRUCTION ACTIVITY. KEEP OUT TREE PROTECTION AREA NO ENTRY ZONA DE PROTECCION PARA ARBOLES NO ENTRE CROWN DRIP LINE OR OTHER LIMIT OF TREE AND PLANT PROTECTION AREA SEE TREE PROTECTION PLAN FOR FENCE ALIGNMENT NO PERALY NO STORAGE
 FOLIPHIENT NO CLAMPING PERALO IN BASHA
 NO PARMING NO GRACING
 NO PARMING NO GRACING
 NO CETACIDAD
 NO CETACIDAD
 NO CETACIDAD PROJECT GENERAL ARBORISTA DEL COMIRADISTA
ARBORIST DOMIRACTOR PROPECTO GENERAL
PHONE # THURK # TRUFFOND # TRUFFOND # - MAINTAIN EXISTING GRADE AROUND TREES. ROOT PRUNING TRENCH(TYP., REF. TREE AND PLANT PROTECTION SPECIFICATIONS) - REF. PLANS FOR LOCATION OF BORING START/END POINT (OPEN TRENCH SECTION) CONTRACTOR TO BORE UNDER THE CROWN DRIPLINE OF THE TREE.

DO NOT BORE DIRECTLY UNDER THE TRUNK OF THE TREE.

REF. PLANS FOR OFFEST DIMENSION FROM TREE

TRUNK AND LENGTH OF BORE TREE PROTECTION Scale: NTS

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SAM'S CLUB STORE #6381 751 W. MAIN ST. 75067 CITY OF LEWISVILLE, TX

TREE PROTECTION AND REMOVEAL DETAILS

PROTECTION OF EXISTING TREES AND OTHER PLANTS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. . PROVIDE PRECONSTRUCTION EVALUATIONS

2. PROVIDE PROTECTION OF ROOT ZONES AND ABOVE GROUND TREES AND PLANTS

3. PROVIDE PRUNING OF EXISTING TREES AND PLANTS.

4. COORDINATE WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR MODIFICATIONS TO THE SOIL WITHIN THE ROOT ZONE OF EXISTING TREES AND PLANTS.

5. PROVIDE ALL INSECT AND DISEASE CONTROL.

PROVIDE MAINTENANCE OF EXISTING TREES AND PLANTS INCLUDING IRRIGATION DURING THE CONSTRUCTION PERIOD AS RECOMMENDED BY THE ARRORIST REPORT.

7. PROVIDE MAINTENANCE OF EXISTING TREES AND PLANTS INCLUDING IRRIGATION DURING THE POST

CONSTRUCTION PLANT MAINTENANCE PERIOD. 8. REMOVE TREE PROTECTION FROM AROUND AND UNDER TREES AND PLANTS

9. CLEAN UP AND DISPOSAL OF ALL EXCESS AND SURPLUS MATERIAL.

CONTRACT DOCUMENTS

SHALL CONSIST OF SPECIFICATIONS AND GENERAL CONDITIONS AND THE DRAWINGS. THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, AND SERVICES NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE. WHATEVER IS CALLED FOR BY ANY PARTS SHALL BE AS BINDING AS IF CALLED FOR IN ALL PARTS.

IT IS THE INTENT OF THIS SECTION THAT THE REQUIREMENTS APPLY TO ALL OTHER SECTIONS OF THE PROJECT SPECIFICATION SUCH THAT ANY SUBCONTRACTOR MUST COMPLY WITH THE RESTRICTIONS ON WORK WITHIN DESIGNATED TREE AND PLANT PROTECTION AREAS

RELATED DOCUMENTS:

DRAWINGS AND GENERAL PROVISIONS OF CONTRACT INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION I SPECIFICATIONS APPLY TO WORK OF THIS SECTION.

2. IRRIGATION SPECIFICATIONS

REFERENCES: THE FOLLOWING SPECIFICATIONS AND STANDARDS OF THE ORGANIZATIONS AND DOCUMENTS LISTED IN THIS PARAGRAPH FORM A PART OF THE SPECIFICATION TO THE EXTENT REQUIRED BY THE REFERENCES THERETO. IN THE LEVELT THAT THE REQUIREMENTS OF THE FOLLOWING REFERENCES STANDARDS AND SPECIFICATION CONFLICT WITH THIS SPECIFICATION SECTION, THE REQUIREMENTS OF THIS SPECIFICATION SHALL PREVAIL. IN THE EVENT THAT THE REQUIREMENTS OF ANY OF THE FOLLOWING REFERENCED STANDARDS AND SPECIFICATIONS CONFLICT WITH EACH OTHER, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL.

1. ANSI A300 - STANDARD PRACTICES FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE (9 PARTS),

2. INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES (ISA BMP) MOST CURRENT

a. TREE PRUNING

b. SOIL MANAGEMENT FOR URBAN TREES

c. TREE SUPPORT SYSTEMS: CABLING, BRACING, GUYING, AND PROPPING d. TREE LIGHTING PROTECTION SYSTEMS

e. MANAGING TREES DURING CONSTRUCTION

f. TREE PLANTING g. TREE RISK ASSESSMENT

h. TREE INVENTORY . INTEGRATED PEST MANAGEMENT

k. TREE AND SHRUB FERTILIZATION . PRUNING PRACTICES SHALL CONFORM WITH RECOMMENDATIONS "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY"; PUBLISHED BY URBAN TREE FOUNDATION, VISALIA, CALIFORNIA; MOST CURRENT EDITION.

4. GLOSSARY OF ARBORICULTURAL TERMS, INTERNATIONAL SOCIETY OF ARBORICULTURE, CHAMPAIGN IL,

MOST CURRENT EDITION.

VEHICATION
ALL SCALED DIMENSIONS ON THE DRAWINGS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE
CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES, AND SHALL
IMMEDIATELY INFORM THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE INFORMATION ON
THE DRAWINGS AND THE ACTUAL CONDITIONS, REFRAINING FROM DOING ANY WORK IN SAID AREAS UNTIL GIVEN
APPROVAL TO DO SO BY THE OWNER'S REPRESENTATIVE.

1.5 PERMITS AND REGULATIONS PERMITS AND REGILATIONS

THE CONTRACTOR SHALL DETAIN AND PAY FOR ALL PERMITS RELATED TO THIS SECTION OF THE WORK UNLESS PREVIOUSLY EXCLUDED UNIDER PROVISION OF THE CONTRACT OR GENERAL CONDITIONS. THE CONTRACTOR SHALL COMETY WITH A LL LAWS AND ORDINANCES BEARING ON THE OPERATION OR CONDUCTO OTHER WORK AS DRAWN AND SPECIFIED. IT HE CONTRACTOR OSSERVES THAT A CONFLICT EXISTS BETWEEN FERMIT REQUIREMENTS AND THE WORK OUTLINED IN THE CONTRACTOR OSSERVES THAT A CONFLICT EXISTS BETWEEN FERMIT REQUIREMENTS AND THE WORK OUTLINED IN THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNERS REPRESENTATIVE IN WAITING HIS CONTRACTOR SHALL PROMPTLY ONLY THE CHESSARY CHANGES AND CHANGES IN THE WORK OUTRACTOR SHALL PROMPTLY WHEREVER REPRENCES ARE MADE TO STANDARDS OR COOPES AND COORS CURRENT ON THE EFFECTIVE DATE OF THIS CONTRACT SHALL PROMPTLY, UNLESS OTHERWISE PORTESSY, SET FORTH.

IN CASE OF CONFLICT AMONG ANY REFERENCES IS TANDARDS OR COOPES OR BETWEEN ANY REFERENCED STANDARDS AND COOPS OR DETWEEN ANY REFERENCED.

STANDARDS AND CODES AND THE SPECIFICATIONS, THE MORE RESTRICTIVE STANDARD OR CODE SHALL APPLY OR OWNER'S REPRESENTATIVE SHALL DETERMINE WHICH SHALL GOVERN.

PROTECTION OF WORK, PROPERTY AND PERSON
THE CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC, AND SHALL BE RESPONSIBLE FOR ANY DAMAGES OR INJURY DUE TO HIS/HER ACTIONS.

1.7 CHANGES IN THE WORK

HANGES IN THE WORK
THE OWNER'S REPRESENTATIVE MAY ORDER CHAINGES IN THE WORK, AND THE CONTRACT SUM SHOULD BE
ADJUSTED ACCORDINIGLY, ALL SUCH ORDERS AND ADJUSTMENTS PLUS CLAIMS BY THE CONTRACTOR FOR
EXTRA COMPENSATION MUST BE MADE AND APPROVED IN WRITING BEFORE EXECUTING THE WORK INVOLVED

1.8 CORRECTION OF WORK

VARIACION OF WORK.

THE CONTRACTOR SHALL RE-EXECUTE ANY WORK THAT FAILS TO CONFORM TO THE REQUIREMENTS OF THE CONTRACT AND SHALL REMEDY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP UPON WRITTEN NOT FROM THE OWNER'S REPRESENTATIVE, AT THE SOONEST POSSIBLE TIME THAT CAN BE COORDINATED WITH OTHER WORK AND SEASONAL WEATHER DEMANDS.

1.9 DEFINITIONS

ALL TERMS IN THIS SPECIFICATION SHALL BE AS DEFINED IN THE "GLOSSARY OF ARBORICULTURAL TERMS" OR

OWNERS REPRESENTATIVE: THE PERSON APPOINTED BY THE OWNER TO REPRESENT THEIR INTEREST IN THE REVIEW AND APPROVAL OF THE WORK AND TO SERVE AS THE CONTRACTING AUTHORITY WITH THE CONTRACTOR. THE OWNERS REPRESENTATIVE MAY APPOINT OTHER PERSONS TO REVIEW AND APPROVE ANY ASPECTS OF THE WORK.

2. REASONABLE AND REASONABLY: WHEN USED IN THIS SPECIFICATION IS INTENDED TO MEAN THAT THE CONDITIONS CITED WILL NOT AFFECT THE ESTABLISHMENT OR LONG TERM STABILITY, HEALTH OR GROWTH OF THE PLANT. THIS SPECIFICATION RECOGNIZES THAT PLANTS ARE NOT FREE OF DEFECTS. AND THAT PLANT DITIONS CHANGE WITH TIME. THIS SPECIFICATION ALSO RECOGNIZES THAT SOME DECISIONS CANNOT BE TOTALLY BASED ON MEASURED FINDINGS AND THAT PROFESSION JUDGMENT IS REQUIRED. IN CASES OF DIFFERING OPINION, THE OWNER'S REPRESENTATIVE EXPERT SHALL DETERMINE WHEN CONDITIONS WITHIN THE PLANT ARE JUDGED AS REASONABLE.

3. SHRUB: WOODY PLANTS WITH MATURE HEIGHT APPROXIMATELY LESS THAN 25 FEET

4. TREE AND PLANT PROTECTION AREA: AREA SURROUNDING INDIVIDUAL TREES, GROUPS OF TREES, SHRURS ROTHER VEGETATION TO BE PROTECTED DURING CONSTRUCTION, AND DEFINED BY A CIRCLE CENTERED ON HE TRUNK WITH EACH TREE WITH A RADIUS EQUAL TO THE CLOWN DRIPLINE UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE OR THE CONSTRUCTION DRAWINGS

5. TREE: SINGLE AND MULTI-STEMMED PLANTS, INCLUDING PALMS WITH ANTICIPATED MATURE HEIGHT APPROXIMATELY GREATER THAN 25 FEET OR ANY PLANT IDENTIFIED ON THE PLANS AS A TREE.

1 10 SURMITTALS

1. PRIOR TO THE START OF CONSTRUCTION, SUBMIT, FOR APPROVAL BY THE OWNER'S REPRESENTATIVE, THE REPORT OF A CONSULTING ARBORIST WHO IS A REGISTERED CONSULTING ARBORIST® (RCA) WITH AMERICAN SOCIETY OF CONSULTING ARBORISTS OR AN ISA BOARD CERTIFIED ARBORIST, WHICH DETAILS THE FOLLOWING INFORMATION FOR ALL TREES TO REMAIN WITHIN THE AREA DESIGNATED ON THE DRAWINGS AS THE TREE AND PLANT PROTECTION AREA. THE REPORT SHALL INCLUDE THE FOLLOWING:

a. A DESCRIPTION OF EACH TREE TO REMAIN INDICATING ITS GENUS AND SPECIES, CONDITION INCLUDING a. A DESCRIPTION OF EACH THEE TO REMAIN MODICATING ITS GENUS AND SPECIES, CONDITION INCLUDING ANY VISIBLE ADMAGET OF THE ROOT SYSTEM ON SIGN UNITHIN THE ROOT ZONE, TREE DIMMETER AT BREAS, HEIGHT (IDH) AND APPROXIMATE HEIGHT AND CANGOY SPREAD, SIZE AND ANY VISIBLE DISEASE, INSECT INVESTATIONS AND OR BRANCH AND TRUNK STRUCTURA DEFCIBIOLIS.
b. THE REPORT SHALL NOTE ALL TREES OR PARTS OF TREES, WHICH ARE CONSIDERED A HAZARD OR SIGNIFICANT OR EXTREME RISK LEVEL. INCLUDE THE INTERNATIONAL SOCIETY OF ARBORICULTURE

HAZARD EVALUATION SHEET FOR EACH TREE, WHICH MAY REASONABLY BE IDENTIFIED AS A POTENTIAL

. RECOMMENDATIONS AS TO TREATMENT OF ALL INSECT, DISEASE AND STRUCTURAL PROBLEMS

d. RECOMMENDATIONS FOR FERTILIZER TREATMENTS, IF ANY.

e. A PLAN OF THE SITE SHOWING THE LOCATION OF ALL TREES INCLUDED IN THE REPORT.

PRODUCT DATA

SUBMIT MANUFACTURER PRODUCT DATA AND LITERATURE DESCRIBING ALL PRODUCTS REQUIRED BY THIS SECTION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL, PROVIDE SUBMITTAL BEFORE THE START OF ANY WORK AT THE SITE. QUALIFICATIONS SUBMITTAL

JOURNIES JOU ICENSE TO THE OWNER'S REPRESENTATIVE, FOR REVIEW PRIOR TO THE START OF WOR

1.11 OBSERVATION OF THE WORK

THE OWNER'S REPRESENTATIVE MAY INSPECT THE WORK AT ANY TIME.

1.12 PRE-CONSTRUCTION CONFERENCE

SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE AT LEAST SEVEN (7) DAYS BEFORE BEGINNING WORK TO REVIEW ANY QUESTIONS THE CONTRACTOR MAY HAVE REGARDING THE WORK, ADMINISTRATIVE PROCEDURES DURING CONSTRUCTION AND PROJECT WORK SCHEDULE.

1. THE FOLLOWING CONTRACTORS SHALL ATTEND THE PRECONSTRUCTION CONFERENCE: a. GENERAL CONTRACTOR.

b CONSULTING ARBORIST/CERTIFIED ARBORIST

TREE AND PLANT PROTECTION SUB-CONTRACTOR.

e. ALL SITE UTILITY SUB-CONTRACTORS THAT MAY BE REQUIRED TO DIG OR TRENCH INTO THE SOIL

LANDSCAPE SUB-CONTRACTOR

1. DANISONE'S SUB-CONTRACTOR.

1. PRIGATION SUB-CONTRACTOR.

1. PRIGA TO THIS MEETING, MARK ALL TREES AND PLANTS TO REMAIN AND OR BE REMOVED AS DESCRIBED IN THIS SPECIFICATION FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE.

1.13 QUALITY ASSURANCE

1. ALL PRUNING, BRANCH TIE BACK, TREE REMOVAL, BOOT PRUNING, AND FERTILIZING REQUIRED BY THIS SECTION SHALL BE PERFORMED BY OR LINDER THE DIRECT SUPERVISION OF ISA CERTIFIED ARBORIS SUBMIT AFOREMENTIONED INDIVIDUAL'S QUALIFICATIONS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE.

ALL APPLICATIONS OF PESTICIDE OR HERBICIDE SHALL BE PERFORMED BY A PERSON MAINTAINING A CURRENT STATE LICENSE TO APPLY CHEMICAL PESTICIDES VALID IN THE JURISDICTION OF THE PROJECT SUBMIT COPES OF ALL REQUIRED STATE LICENSING CERTIFICATES INCLUDING APPLICABLE CHEMICAL APPLICATOR LICENSES.

PART 2 PRODUCTS

2.1 TREE PROTECTION SIGN:

HEAVY-DUTY PLASTIC LAMINATED OR CORRUGATED PLASTIC SIGNS, 24 INCHES X 36 INCHES, WHITE COLORED BACKGROUND WITH BLACK Z MOCH HIGH OR LARGER LETTERS BLOCK LETTERS. THE SIGNS SHALL BE STARED ADJACENT TO EXISTING THEES, THE TREE PROTECTION SIGN SHALL READ "KEEP ULT". THEE AND PLANT

MATTING FOR VEHICLE AND WORK PROTECTION SHALL BE HEAVY DUTY MATTING DESIGNED FOR VEHICLE LOADING OVER TREE ROOTS, ALTURNAMATS AS MANUFACTURED BY ALTURNAMATS, INC. FRANKLIN, PA 16323

SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL

2.3 GEOGRID

GEOGRID SHALL BE WOVEN POLYESTER FABRIC WITH PVC COATING, UNI-AXIAL OR BIAXIAL GEOGRID, IMERT TO BIOLOGICAL DEGRADATION, RESISTANT TO NATURALLY OCCURRING CHEMICALS, ALKALIS, ACIDS.

1. GEOGRID SHALL BE MIRAGRID 2XT AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA,

HTTP://WWW.TENCATE.COM OR APPROVED EQUAL SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL

2.4 FILTER FABRIC FILTER FABRIC SHALL BE NONWOVEN POLYPROPYLENE FIBERS. INERT TO BIOLOGICAL DEGRADATION AND

RESISTANT OF NATURALLY OCCURRING CHEMICALS, ALKALIS AND ACIDS. 1. MIRAFI 135 N AS MANUFACTURED BY TEN CATE NICOLON, NORCROSS, GA. <u>HTTP://WWW.TENCATE.COM</u> OR

SUBMIT SUPPLIERS PRODUCT DATA THAT PRODUCT MEETS THE REQUIREMENTS FOR APPROVAL.

PART 3 EXECUTION 3.1 SITE EXAMINATION

EXAMINE THE SITE, TREE, PLANT AND SOIL CONDITIONS. NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY CONDITIONS THAT MAY IMPACT THE SUCCESSFUL TREE AND PLANT PROTECTIONS THAT IS THE INTENT OF THIS SECTION.

3.2 COORDINATION WITH PROJECT WORK

THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK THAT MAY IMPACT THE COMPLETION OF THE

PRIOR TO THE START OF WORK, PREPARE A DETAILED SCHEDULE OF THE WORK FOR COORDINATION WITH OTHER TROCAS.

COORDINATE THE RELOCATION OF ANY IRRIGATION LINES CURRENTLY PRESENT ON THE IRRIGATION PLAN, HEADS OR THE CONDUITS OF OTHER UTILITY LINES OR STRUCTURES THAT ARE IN CONFLICT WITH TREE LOCATIONS. TREE ROOTS SHALL NOT BE ALTERED TO FIT AROUND LINES. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY

3.3 TREE AND PLANT PROTECTION AREA:

1. THE TREE AND PLANT PROTECTION AREA IS DEFINED AS ALL AREAS INDICATED ON THE TREE PROTECTION PLAN.

WHERE NO LIMIT OF THE TREE AND PLANT PROTECTION AREA IS DEFINED ON THE DRAWINGS, THE LIMIT SHALL BE THE DRIP LINE (OUTER EDGE OF THE BRANCH CROWN) OF EACH TREE.

PREPARATION:

PRIOR TO THE PRECONSTRUCTION MEETING, LAYOUT THE LIMITS OF THE TREE AND PLANT PROTECTION AREA AND THEN ALIGNMENTS OF REQUIRED TREE AND PLANT PROTECTION FENCING AND ROOT PRUNING, OSTAIN THE OWNER'S REPRESENTATIVES APPROVAL OF THE LIMITS OF THE PROTECTION AREA AND THE ALIGNMENT OF ALL

FENCING AND ROOT PRUNING.
FLAG ALL TREES AND LARGE SHRUBS TO BE REMOVED BY WRAPPING ORANGE PLASTIC RIBBON AROUND THE
TRUNK AND OBTAIN THE COWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND LARGE SHRUBS TO BE
REMOVED PRIOR TO THE START OF THEE AND SHRUB REMOVAL. AFTER APPROVAL, MARK ALL TREES AND
SHRUBS TO BE REMOVED WITH ORANGE PAINT IN A BAIND COMPLETELY AROUND THE BASE OF THE TREE OR
LARGE SHRUB AS, FEET ABOVE THE GROUND.
FLAG SLIT THE SHE OF THE SHOULD SHAP THE S

RUNK OR EACH TREE AND ON A PROMINENT BRANCH FOR EACH SHRUB. OBTAIN THE OWNER'S REPRESENTATIVE'S APPROVAL OF ALL TREES AND SHRUBS TO REMAIN PRIOR TO THE START OF TREE AND

PRIOR TO ANY CONSTRUCTION ACTIVITY AT THE SITE INCLUDING UTILITY WORK, GRADING, STORAGE O MATERIALS, OR INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES, INSTALL ALL TREE PROTECTION FENCING, FILTER FABRIC, SILT FENCE, TREE PROTECTION SIGNS, GEOGRID, MULCH AND OR WOOD CHIPS AS SHOWN ON THE DRAWINGS

SOIL MOISTURE

VOLUMETRIC SOIL MOISTURE LEVEL, IN ALL SOILS WITHIN THE TREE AND PLANT PROTECTION AREA SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT TO A DEPTH OF AT LEAST 8 INCHES, NO SOIL WORK OR OTHER ACTIVITY SHALL BE PERMITTED WITHIN THE TREE AND PLANT PROTECTION AREA WHEN THE VOLUMETRIC SOIL MOISTURE IS ABOVE FIELD CAPACITY TO THE PERMANENT WILT POINT AND EILD CAPACITY FOR EACH TYPE OF SC TEXTURE SHALL BE DEFINED AS FOLLOWS (NUMBERS INDICATE PERCENTAGE VOLUMETRIC SOIL MOISTURE):

PERMANENT WILT POINT V/V FIFLD CAPACITY V/V SAND, LOAMY SAND, SANDY LOAM 12 - 18% 27 - 36% LOAM, SANDY CLAY, SANDY CLAY LOAM 14 - 25% CLAY LOAM, SILT LOAM 31 - 36% SILTY CLAY, SILTY CLAY LOAM 22 - 27%

VOLUMETRIC SOIL MOISTURE SHALL BE MEASURED WITH A DIGITAL, ELECTRIC CONDUCTIVITY METER. THE METER SHALL BE THE DIGITAL SOIL MOISTURE METER, DSMM500 BY GENERAL SPECIALTY TOOLS AND INSTRUMENTS, OR APPROVED EQUIVALENT METER. THE CONTRACTOR SHALL CONFIRM THE SOIL MOISTURE LEVELS WITH A MOISTURE METER. IF THE MOISTURE IS TOO HIGH. SUSPEND OPERATIONS UNTIL THE SOIL MOISTURE DRAINS TO BELOW FIELD CAPACITY

FINAL RECOMMENDATIONS ON ANY ROOT PRUNING REQUIREMENTS AND PROCEDURES ARE TO BE DETERMINED BY THE PROJECT ARBORIST AND PROVIDED IN WRITING TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY ROO

PRIGHT TO ANY EXCAVATING INTO THE EXISTING SOIL GRADE WITHIN 25 FEET OF THE LIMIT OF THE TREE AND PLANT PROTECTION AREA OR TREES TO AMENIAN, ROOT PRIVING ALL EXISTING RITEES TO A DEPTH OF E27 MICHES BELOW EXISTING GRADE IN ALIGNMENTS FOLLOWING THE EDGES OF THE TREE AND PLANT PROTECTION AREA OR BELOW EXISTING GRADE IN ALIGNMENT FOLLOWING THE EDGES OF THE TREE AND PLANT PROTECTION AREA OR

AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ROOT PRUNING SHALL BE IN CONFORMANCE WITH ANSI A300 (PART 8) LATEST EDITION.

. USING A ROCK SAW, CHAIN TRENCHER OR SIMILAR TRENCHING DEVICE, MAKE A VERTICAL CUT WITHIN FEET OF THE LIMIT OF GRADING.

2. AFTER COMPLETION OF THE CUT. MAKE CLEAN CUTS WITH A LOPPER, SAW OR PRUNER TO REMOVE ALL TORN BOOT ENDS ON THE TREE SIDE OF THE EXCAVATION, AND BACKELL THE TRENCH IMMEDIATELY WITH EXISTING SOIL, FILLING ALL VOIDS

NSTALLATION OF GEOGRIDS, FILTER FABRIC, MATTING, AND OR AGGREGAT

INSTALL GEOGRIDS, FILTER FABRIC, MATTING, AND/OR AGGREGATE IN AREAS AND DEPTHS SHOWN ON TH PLANS AND DETAILS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IN GENERAL IT IS THE INTENT OF THIS SPECIFICATION TO PROVIDE THE FOLLOWING LEVELS OF PROTECTION:

. AREAS WHERE FOOT TRAFFIC OR STORAGE OF LIGHTWEIGHT MATERIALS IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF FILTER FABRIC UNDER THE 6 INCHES OF MULCH.

2. AREAS WHERE OCCASIONAL LIGHT VEHICLE TRAFFIC IS ANTICIPATED TO BE UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 INCHES OF MULCH.

A REAS WHERE HEAVY VEHICLE TRAFFIC IS UNAVOIDABLE PROVIDE A LAYER OF GEOGRIDS UNDER 8 - 12 INCHES OF MULCH AND A LAYER OF MATTING OVER THE MULCH.

THE OWNER'S REPRESENTATIVE SHALL APPROVE THE APPROPRIATE LEVEL OF PROTECTION.

IN THE ABOVE REQUIREMENTS. LIGHT VEHICLE IS DEFINED AS A TRACK SKID STEER WITH A GROUND PRESSUR OF 4 PSI OR LIGHTER. A HEAVY VEHICLE IS ANY VEHICLE WITH A TIRE OR TRACK PRESSURE OF GREATER THAN 4 PSI. LIGHTWEIGHT MATERIALS ARE ANY PACKAGED MATERIALS THAT CAN BE PHYSICALLY MOVED BY HAND INTO THE LOCATION. BULK MATERIALS SUCH AS SOIL, OR AGGREGATE SHALL NEVER BE STORED WITHIN THE TREE

PROTECTION:
PROTECTION:
PROTECT THE TREE AND PLANT PROTECTION AREA AT ALL TIMES FROM COMPACTION OF THE SOIL: DAMAGE OF ANY KIND TO TRUNKS, BARK, BRANCHES, LEAVES AND ROOTS OF ALL PLANTS, AND CONTAMINATION OF THE SOIL, BARK OR LEAVES WITH CONSTRUCTION MATERIALS, DEBRIS, SILT, FUELS, OLIS, AND ANY CHEMICALS SUBSTANCE, ONLY THE OWNERS REPRESENTATIVE OF ANY SPILLS, COMPACTION OR DAMAGE AND TAKE CORRECTIVE ACTION INMEDIATELY USING METHODS APPROVED BY THE OWNER'S REPRESENTATIVE.

3.0 CENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN THE TREE AND PLANT PROTECTION AREA-

REMEDIAL RUTHIN 1 A SUSTRIBUTION VEHICLER ACTIVITY IS UNAVOIDABLE WITHIN THE TREE AND PLANT IN THE EVENT THAT CONSTRUCTION VEHICLER ACTIVITY IS UNAVOIDABLE WITHIN THE TREE AND PLANT ACTION FOR APPROVAL. THE PLAN FAIL BULDLER'S ATTEMENT DETAILING THE REASON FOR THE ACTIVITY INCLUDING THE ACTIVITY I WHY OTHER AREAS ARE NOT SUITED; A DESCRIPTION OF THE PROPOSED ACTIVITY; THE TIME PERIOD FOR THE ACTIVITY, AND A LIST OF REMEDIAL ACTIONS THAT MILL REDUCE THE IMPACT ON THE TREE AND PLANT PROTECTION AFE AROM THE ACTIVITY. THEE PROTECTION FOR THE REMEDIAL ACTIONS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THE FOLLOWING:

1. IN GENERAL, DEMOLITION AND EXCAVATION WITHIN THE DRIP LINE OF TREES AND SHRUBS SHALL PROCEED WITH EXTREME CARE EITHER BY THE USE OF HAND TOOLS, DIRECTIONAL BORING AND OR AIR KNIFE EXCAVATION WHERE INDICATED OR WITH OTHER LOW IMPACT EQUIPMENT THAT WILL NOT CAUSE DAMAGE TO THE TREE, ROOTS OR SOIL.

10 THE THEE, MOUTS ON SUIL.

2. WHEN INCOUNTEED, EXPOSED ROOTS, I INCHES AND LARGER IN DIAMETER SHALL BE WORKED AROUND IN A MANNER THAT DOES NOT BREAK THE OUTER LAYER OF THE ROOT SURFACE (BARK), THESE ROOTS SHALL BE COVERED IN MULCH AND SHALL BE MAINTAINED ABOVE PERMANENT WILT POINT AT ALL TIMES, ROOTS ONE INCH AND LARGER IN DIAMETER SHALL NOT BE CUT WITHOUT THE APPROVAL OF THE OWNERS REPRESENTATIVE AND PROJECT ARBORIST. EXCAVATION SHALL BE TUNNELED UNDER THESE ROOTS WITHOUT CUTTING THEM. IN THE AREAS WHERE ROOTS ARE ROOTOMITTED, WORK SHALL BE PERFORMED AND SCHEDULED TO CLOSE EXCAVATIONS AS QUICKLY AS POSSIBLE OVER EXPOSED ROOTS.

3. TREE BRANCHES THAT INTERFERE WITH THE CONSTRUCTION MAY BE TIED BACK OR PRUNED TO CLEAR ONLY TO THE POINT NECESSARY TO COMPLETE THE WORK, OTHER BRANCHES SHALL ONLY BE REMOVED WHEN SPECIFICALLY INDICATED BY THE OWNER'S REPRESENTATIVE. TYING BACK OR TRIMMING OF ALL BRANCHES AND THE CUTTING OF ROOTS SHALL BE IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES (ANS A300, PARTS 1 AND 8) AND BE PERFORMED UNDER SUPERVISION OF THE I.S.A. CERTIFIED ARBORIS'

4. MATTING: INSTALL TEMPORARY MATTING OR AN ADDITIONAL 12 INCH MULCH LAYER OVER THE MULCH SPECIFIED HEREFORD WITHIN THESE SPECIFICATIONS TO THE EXTENT INDICATED. DO NOT FERMIT FOOT TRAFFIC, SCAFFOLIONG VEHICLIAET RAFFIC, OR THE STORAGE OF MATERIALS WITHIN THE TREE AND PLANT PROTECTION AREA TO OCCUR OFF OF THE TEMPORARY MATTING.

5. TRUNK PROTECTION: PROTECT THE TRUNK OF EACH TREE TO REMAIN BY COVERING IT WITH A CLOSED CELL OAM PAD AND A RING OF 2" x 4" x 4"-0" PLANKS LOOSELY BANDED ONTO THE TREE WITH 3 STEEL BANDS STAPLE THE BANDS TO THE PLANKS AS NECESSARY TO HOLD THEM SECURELY IN PLACE. TRUNK PROTECTION WUST BY KEPT IN PLACE NO LONGER THAN 12 MONTHS. IF CONSTRUCTION REQUIRES WORK NEAR A PARTICULAR TREE TO CONTINUE LONGER THAN 12 MONTHS, THE STEEL BANDS SHALL BE INSPECTED EVERY SIX MONTHS AND LOOSENED IF THEY ARE FOUND TO HAVE BECOME TIGHT,

AM EXCAVATION TOOL: IF EXCAVATION FOR FOOTINGS OR UTILITIES IS REQUIRED WITHIN THE TREE AND PLANT PROTECTION AREA. AIR EXCAVATION TOOL TECHNIQUES SHALL BE USED WHERE PRACTICAL OR AS DESIGNED ON THE DRAWINGS.
 REMOVE THE MULCH FROM AN AREA APPROXIMATELY 18 INCHES BEYOND THE LIMITS OF THE HOLE OR

TRENCH TO BE EXCAVATED. COVER THE MULCH FOR A DISTANCE OF NOT LESS THAN 15 FEET AROUND THE LIMIT OF THE EXCAVATION AREA WITH LITER FABRIC OR PLASTIC SHEETING TO PROTECT THE MULCH FROM SILT. MOUND THE MULCH STAT THAT THE FASTIC SLOPES TOWARDS THE EXCAVATION. b. LISING A SPRINKLER OR SOAKER HOSE, APPLY WATER SLOWLY TO THE AREA OF THE EXCAVATION FOR A PERIOD OF AT LEAST 4 HOURS, APPROXIMATELY 12 HOURS PRIOR TO THE WORK SO THAT THE GROUNT

WATER LEVEL IS AT OR NEAR FIELD CAPACITY AT THE BEGINNING OF THE WORK, FOR EXCAP GO BEYOND THE DAMP SOIL, REWET THE SOIL AS NECESSARY TO KEEP SOIL MOISTURE NEAR FIELD : USING AN AIR EXCAVATION TOOL SPECIFICALLY DESIGNED AND MANUFACTURED FOR THE INTENDED THE EXISTING SOIL TO THE SHAPE AND THE DEPTHS REQUIRED, WORK AT RATES AND USING TECHNIQUES

THAT DO NOT HARM TREE ROOTS. AIR PRESSURE SHALL BE A MAXIMUM OF 90-100 PS

INC. ALLISIM PARA, 74 (899) 328-9/23 OR APPROVED LIQUIA.

U. SING A COMMERCIAL, HIGH-POWERED VACUUM TRUCK IF REDURED, REMOVE THE SOIL FROM THE

EXCAVATION PRODUCED BY THE AIR KHIFE EXCAVATION. THE VACUUM TRUCK SHOULD GENERALLY

OPERATE SIMILTAREOUSLY WITH THE HOSE OPERATOR, SUICH THAT THE SOIL PRODUCED IS PROKED UF

FROM THE EXCAVATION HOLE. AND THE EXPOSED ROOTS CAN BE OBSERVED AND NOT DAMAGED BY THE

ORIGING OPERATION. DO NOT DOWNET THE VACUUM TRUCK INTO THE TERE AND PLANT PROTECTION ARE

UNLESS THE AREA IS PROTECTED FROM COMPACTION AS APPROVED IN ADVANCE BY THE OWNERS

ORDERS THE AREA IS PROTECTED FROM COMPACTION AS APPROVED IN ADVANCE BY THE OWNERS.

e. REMOVE ALL EXCAVATED SOIL AND EXCAVATED MULCH, AND CONTAMINATED SOIL AT THE END OF THE

f. SCHEDULE THE WORK SO THAT FOUNDATIONS OR UTILITY WORK IS COMPLETED IMMEDIATELY AFTER THE EXCAVATION, DO NOT LET THE ROOTS DRY OUT, MIST THE ROOTS SEVERAL TIMES DURING THE DAY, IF TH EXCAVATED AREA MUST REMAIN OPEN OVER NIGHT, MIST THE ROOTS AND COVER THE EXCAVATION WITH BLACK PLASTIC

DISPOSE OF ALL SOIL IN A MANNER THAT MEETS LOCAL LAWS AND REGULATIONS

g. UISPUDGE OF ALL, SOUR, IN A MANNER! HAY INKELS LUCAL LAWS AND REGULATIONS.

IN, RESTORE SOIL WITHIN THE TRENCH AS SOON AS THE WORK IS COMPLETED, UTILIZE SOIL OF SIMILAR
TEXTURE TO THE REMOVED SOIL AND LIGHTLY COMPACT WITH HAND TOOLS. LEAVE SOIL MOUNDED OVER
THE TRENCH TO A HEIGHT OF APPROXIMATELY 10% OF THE TRENCH DEPTH TO ACCOUNT FOR

i. RESTORE ANY GEOGRIDS, FILTER FABRIC, OR MULCH AND OR MATTING THAT WAS PREVIOUSLY REQUIRED

FOR THE AREA.

REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS, AS REQUIRING REMOVAL, IN A MANNER THAT WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACTS THE SOIL. REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE

OPPORTUNITY OF DAMAGE TO ADJACENT CROWNS, TRUNKS, GROUND PLANE ELEMENTS AND STRUCTURES DO NOT DROP TREES WITH A SINGLE CUT LINLESS THE TREE WILL FALL IN AN AREA NOT INCLUDED IN THE TRE ND PLANT PROTECTION AREA, NO TREE TO BE REMOVED WITHIN 50 FEET OF THE TREE AND PLANT PROTECTION AREA SHALL BE PUSHED OVER OR UP-ROOTED USING A PIECE OF GRADING EQUIPMENT

AREA SHALL BE PUSHED OVER OR ID-ROOTED USING A PIECE OF GRADING EQUIPMENT.

PROTECT ADJOENT PAVING, SQIT, EREES, SHRUBS, GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAIN FROM DAMAGE DURING ALL TIRE REMOVAL OPERATIONS, AND FROM COONSTRUCTION OPERATION.

PROTECTION SHALL INCLIDE THE ROOT SYSTEM, TRUINK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM COMPACTION.

REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED, GRIND TRUINK BASES AND LARGE BUTTESS ROOTS OF A DEPTH OF THE LARGEST BUTTESS ROOT OR AT LEAST 18 INCHES BELDW

THE TOP MOST ROOTS WHICH EVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK OBJU.

1. FOR TREES WHERE THE STUMP WILL FALL LINDER NEW PAVED AREAS, GRIND BOOTS TO A TOTAL DEPTH OF 18 INCHES BELOW THE EXISTING GRADE. IF THE SIDES OF THE STUMP HOLE STILL HAVE GREATER THAN APPROXIMATELY 20% WOOD VISIBLE, CONTINUE GRINDING OPERATION DEEPER AND OR WIDER UNTIL THE RESULTING HOLE HAS LESS THAN 20% WOOD. REMOVE ALL WOOD CHIPS PRODUCED BY THE GRINDING DPERATION AND BACK FILL IN 8 INCH LAYERS WITH CONTROLLED FILL OF A QUALITY ACCEPTABLE TO THE SITE ENGINEER FOR FILL MATERIAL UNDER STRUCTURES, COMPACTED TO 95% OF THE MAXIMUM DR

DENSITY STANDARD PROCTOR. THE OWNER'S REPRESENTATIVE SHALL APPROVE EACH HOLE AT THE END OF THE GRINDING OPERATION.

IN AREAS WHERE THE TREE LOCATION IS TO BE A PLANTING BED OR LAWN, REMOVE ALL WOODCHIPS AND BACKFILLS TUMP HOLES WITH PLANTING SOIL AS DEFINED IN THE SOIL MANAGEMENT SPECIFICATIONS, IN MAXIMUM OF 12 INCH LAYERS AND COMPACT TO 80 - 85% OF THE MAXIMUM DRY DENSITY STANDARD

WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.

IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT.

PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS. STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS:

1. WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION. 2. PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.

. STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION

ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1 - PRUNING), ISA BMP: TREE PRUNING AND THE "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY

PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE

WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL TREES.

3.12 WATERING

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO ENSURE THAT ADEQUATE WATER IS PROVIDED TO ALL PLANTS AND TREES TO BE PRESERVED DURING THE ENTIRE CONSTRUCTION PERIOD. ADEQUATE WATER I DEFINED TO BE MAINTAINING SOIL MOISTURE ABOVE THE PERMANENT WILT POINT TO A DEPTH OF 8 INCHES OR

THE CONTRACTOR SHALL ADJUST THE AUTOMATIC IRRIGATION SYSTEM, IF AVAILABLE, AND APPLY ADDITIONAL

PERIODICALLY TEST THE MOISTURE CONTENT IN THE SOIL WITHIN THE ROOT ZONE TO DETERMINE THE WATER

3.13 WEED REMOVAL

DURING THE CONSTRUCTION PERIOD, CONTROL ANY PLANTS THAT SEED IN AND AROUND THE FENCED TREE AND PLANT PROTECTION AREA AT LEAST THREE TIMES A YEAR.

1. ALL PLANTS THAT ARE NOT SHOWN ON THE PLANTING PLAN OR ON THE TREE AND PLANT PROTECTION PLAN TO REMAIN SHALL BE CONSIDERED AS WEEDS. AT THE END OF THE CONSTRUCTION PERIOD PROVIDE ONE FINAL WEEDING OF THE TREE AND PLANT PROTECTION

MONITOR ALL PLANTS TO REMAIN FOR DISEASE AND INSECT INFESTATIONS DURING THE ENTIRE CONSTRUCTION PERIOD. PROVIDE ALL DISEASE AND INSECT CONTROL REQUIRED TO KEEP THE PLANTS IN A HEALTHY STATE USING THE PRINCIPLES OF INTEGRATED PEST MANAGEMENT (IPM), ALL PESTICIDES SHALL BE APPLIED BY A CERTIFIED PESTICIDE APPLICATOR.

DURING TREE AND PLANT PROTECTION WORK, KEEP THE SITE FREE OF TRASH, PAVEMENTS REASONABLY CLEAN AND WORK AREA IN AN ORDERLY CONDITION AT THE END OF EACH DAY, REMOVE TRASH AND DEBRIS IN CONTAINERS FROM THE SITE NO LESS THAN ONCE A WEEK. 1. IMMEDIATELY CLEAN UP ANY SPILLED OR TRACKED SOIL, FUEL, OIL, TRASH OR DEBRIS DEPOSITED BY THE

ONTRACTOR FROM ALL SURFACES WITHIN THE PROJECT OR ON PUBLIC RIGHT OF WAYS AND NEIGH

PROPERTY:
ONCE TREE PROTECTION WORK IS COMPLETE, WASH ALL SOIL FROM PAVEMENTS AND OTHER STRUCTURES.
ENSURE THAT MULCH IS COMPINED TO PLANTING BEDS.
MAKE ALL REPAIRS TO GRADES, RUTS, AND DAMAGE TO THE WORK OR OTHER WORK AT THE SITE.

REMOVAL OF TREE AND PLANT PROTECTION AT THE END OF THE CONSTRUCTION PERIOD OR WHEN REQUESTED BY THE OWNER'S REPRESENTATIVE REMOVE

PROTECTION MATERIAL 3.17 DAMAGE ON LOSS TO EXISTING PLANTS TO REMAIN

A. ANY TREES OR PLANTS DESIGNATED TO REMAIN AND WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN YAIND BY THE CONTRACTOR AT THEIR OWN EXPENSE. TREES SHALL BE REPLACED WITH A TREE OF SIMILAR SPECIES AND SHORT CALIFER. SHANDES SHALL BE REPLACED WITH A PLANT OF SIMILAR SPECIES AND EQUAL SIZE OR THE LARGEST SIZE PLANTS REASONABLY AVAILABLE WHICH EVER IS LESS. WHERE REPLACEMENT PLANTS ARE TO BE LESS THAN THE SIZE OF THE PLANT THAT IS DAMAGED, THE OWNER'S REPRESENTATIVE SHALL APPROVE THE SIZE AND QUALITY OF THE REPLACEMENT PLANT.

ALL FENCING, GEOGRIDS AND FILTER FABRIC, TRUNK PROTECTION AND OR ANY OTHER TREE AND PLAN

REMOVE AND DISPOSE OF ALL EXCESS MULCH, WOOD CHIPS, PACKAGING, AND OTHER MATERIAL BROUGHT TO

1. ALL TREES AND PLANTS SHALL BE INSTALLED PER THE REQUIREMENTS OF PLANTING SPECIFICATIONS. THE THE CAMP LEWIS DESIGNATE OF THE REPORT OF THE REPORT OF THE PROPERTY OF A PPRAISAL IN THE EVENT THE DAMAGE AFFECTS MORE THAN 25% OF THE CROWN, 25% OF THE TRUNK CIRCUMFERENCE, OR ROOT TECTION AREA OF THE TREE IS DAMAGED IN SUCH A MANNER THAT THE TREE COULD DEVELOP INTO A ENTIAL HAZARD. TREES AND SHRUBS TO BE REPLACED SHALL BE REMOVED BY THE CONTRACTOR AT HIS

1. THE OWNER'S REPRESENTATIVE MAY ENGAGE AN INDEPENDENT CONSULTING ARBORIST TO ASSESS ANY TREE OR PLANT THAT APPEARS TO HAVE BEEN DAMAGED TO DETERMINE THEIR HEALTH OR CONDITION CONTRACTOR SHALL PAY ALL FINES AND MITIGATION COSTS ASSOCIATED WITH LOSS OF PROTECTED TREES DAMAGED BY CONTRACTOR'S FORCES.

DAMAGED BY CURINACIONS TURCES.

ANY TREE THAT IS DETERMINED TO BE DEAD, DAMAGED OR POTENTIALLY HAZARDOUS BY THE OWNER'S ARBORIST AND UPON THE REQUEST OF THE OWNER'S REPRESENTATIVE SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR AT NO ADDITIONAL EXPRESET OT HE OWNER. TREE REMOVAL SHALL INCLUDE ALL CLEAN UP OF ALL WOOD PARTS AND GRINDING OF THE STUMP TO A DEPTH SUFFICIENT TO PLANT THE REPLACEMENT THE OR PLANT, REMOVAL OF ALL CHIES FROM THE STUMP SITE AND FILLING THE REPLACEMENT THE OR PLANT, REMOVAL OF ALL CHIES FROM THE STUMP SITE AND FILLING THE RESULTING HOLE WITH TOPSOIL. ANY REMEDIAL WORK ON DAMAGED EXISTING PLANTS RECOMMENDED BY THE CONSULTING ARBORIST SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER, REMEDIAL WORK SHALL INCLUDE BUT IS NOT LIMITED TO: SOIL COMPACTION REMEDIATION AND VERTICAL MULCHING, PRUNING AND OR CABLING, INSECT

AND DISEASE CONTROL INCLUDING INJECTIONS, COMPENSATORY WATERING, ADDITIONAL MULCHING, AND COULD INCLUDE APPLICATION TREE GROWTH REGULATORS (TGR). BEMEDIAL WORK MAY EXTEND UP TO TWO YEARS FOLLOWING THE COMPLETION OF CONSTRUCTION TO ALLOW OR ANY REQUIREMENTS OF MULTIPLE APPLICATIONS OR THE NEED TO UNDERTAKE APPLICATIONS AT REQUIRED

SEASONS OF THE YEAR

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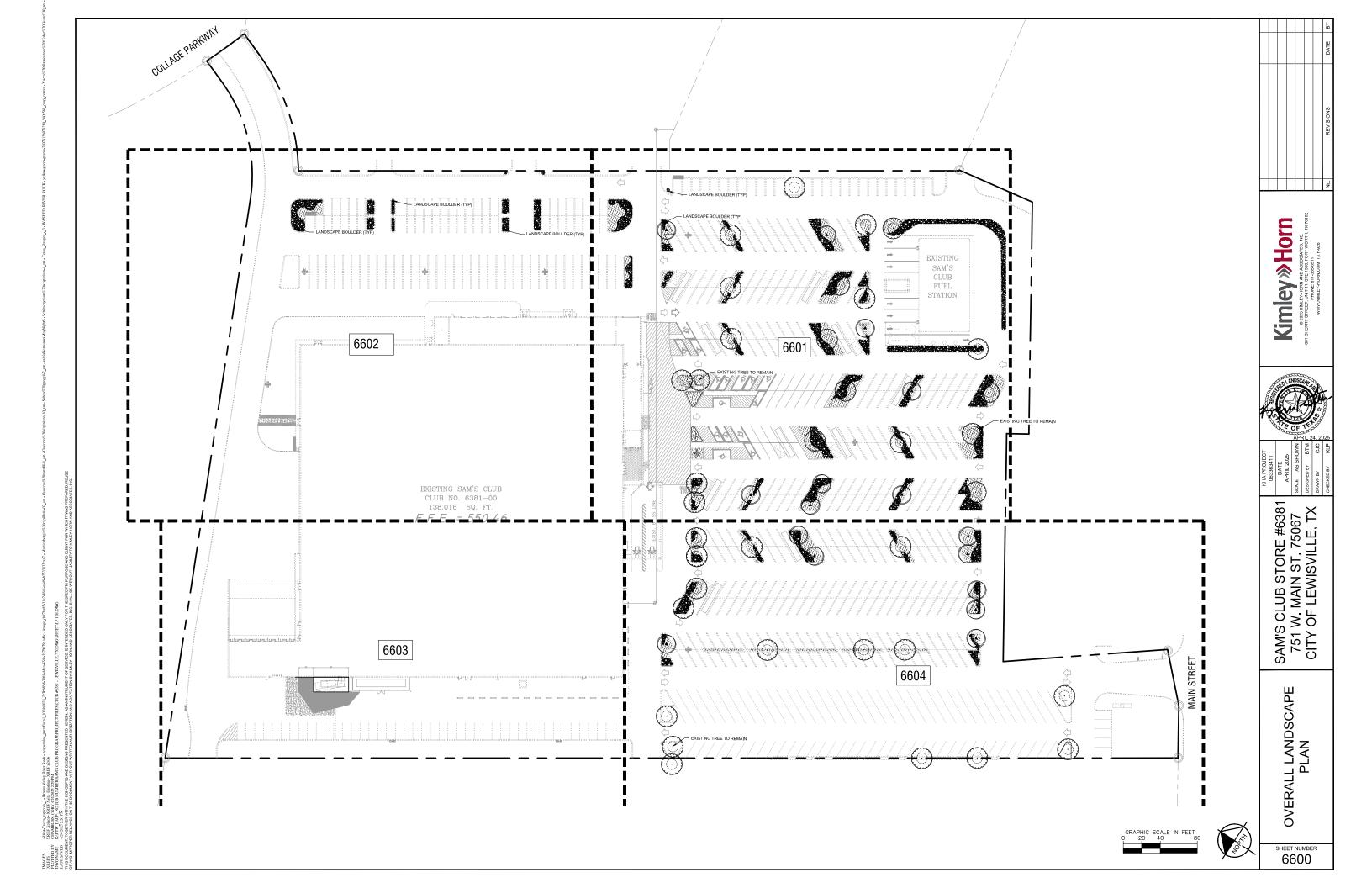
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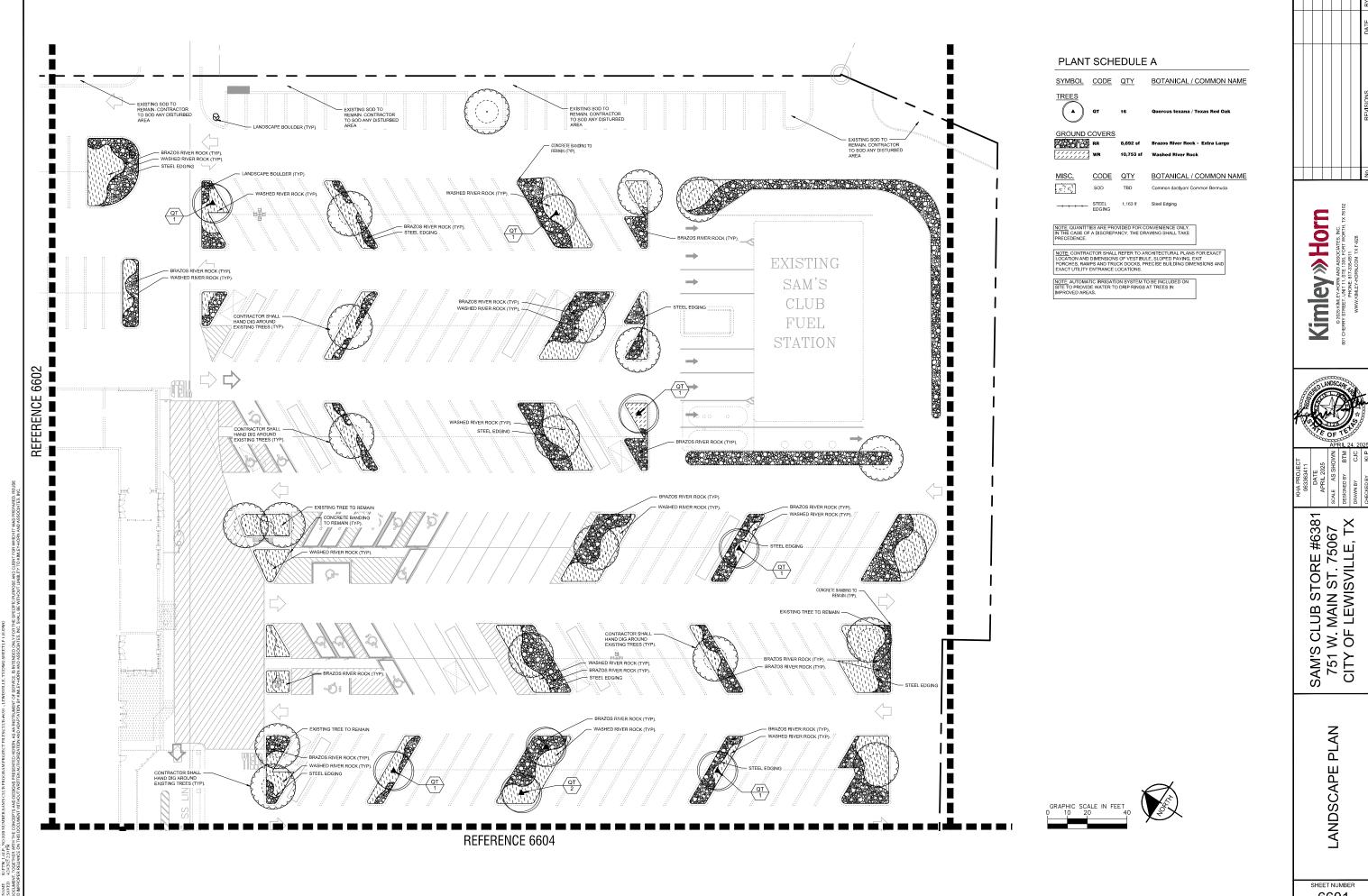
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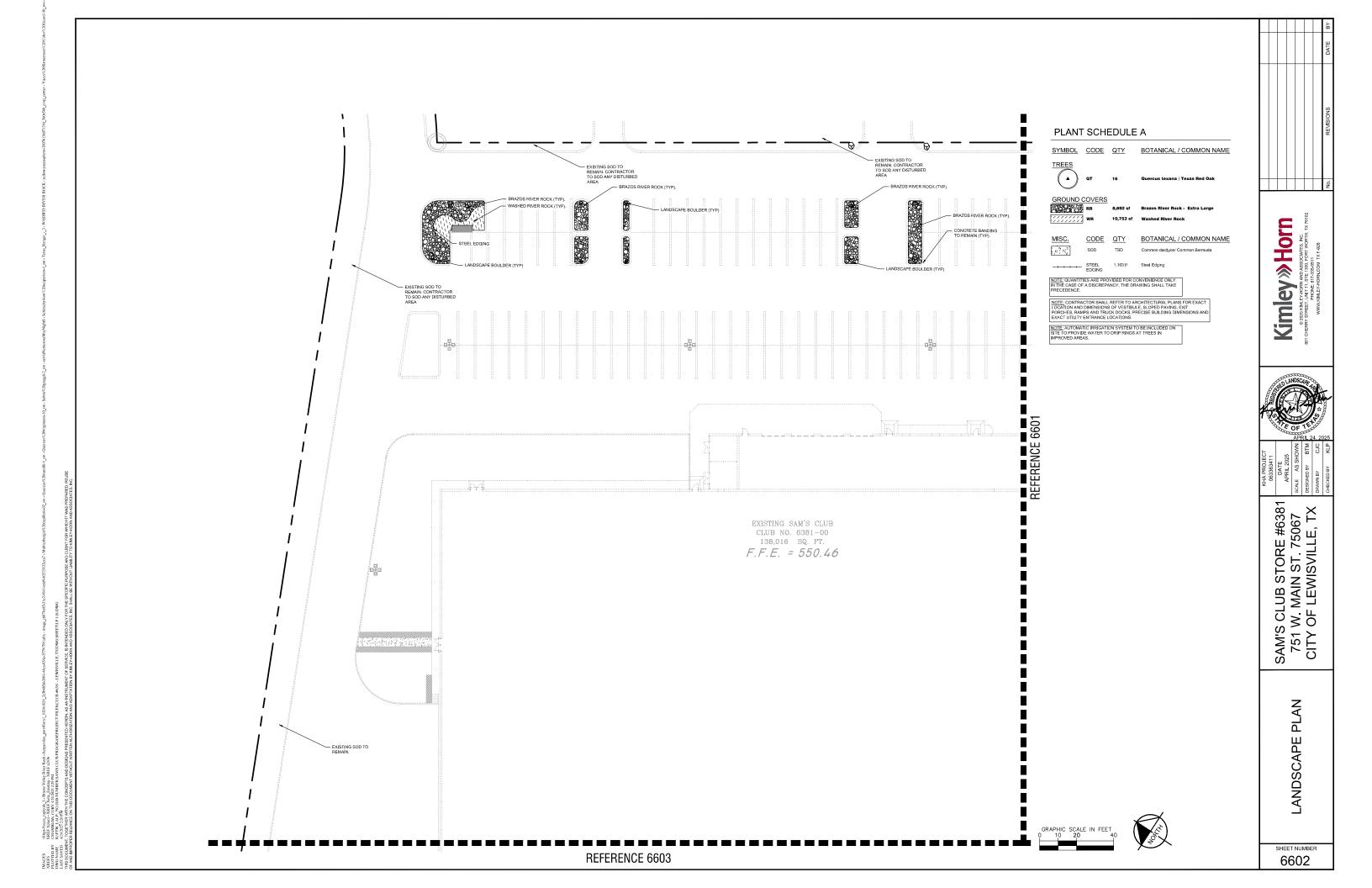
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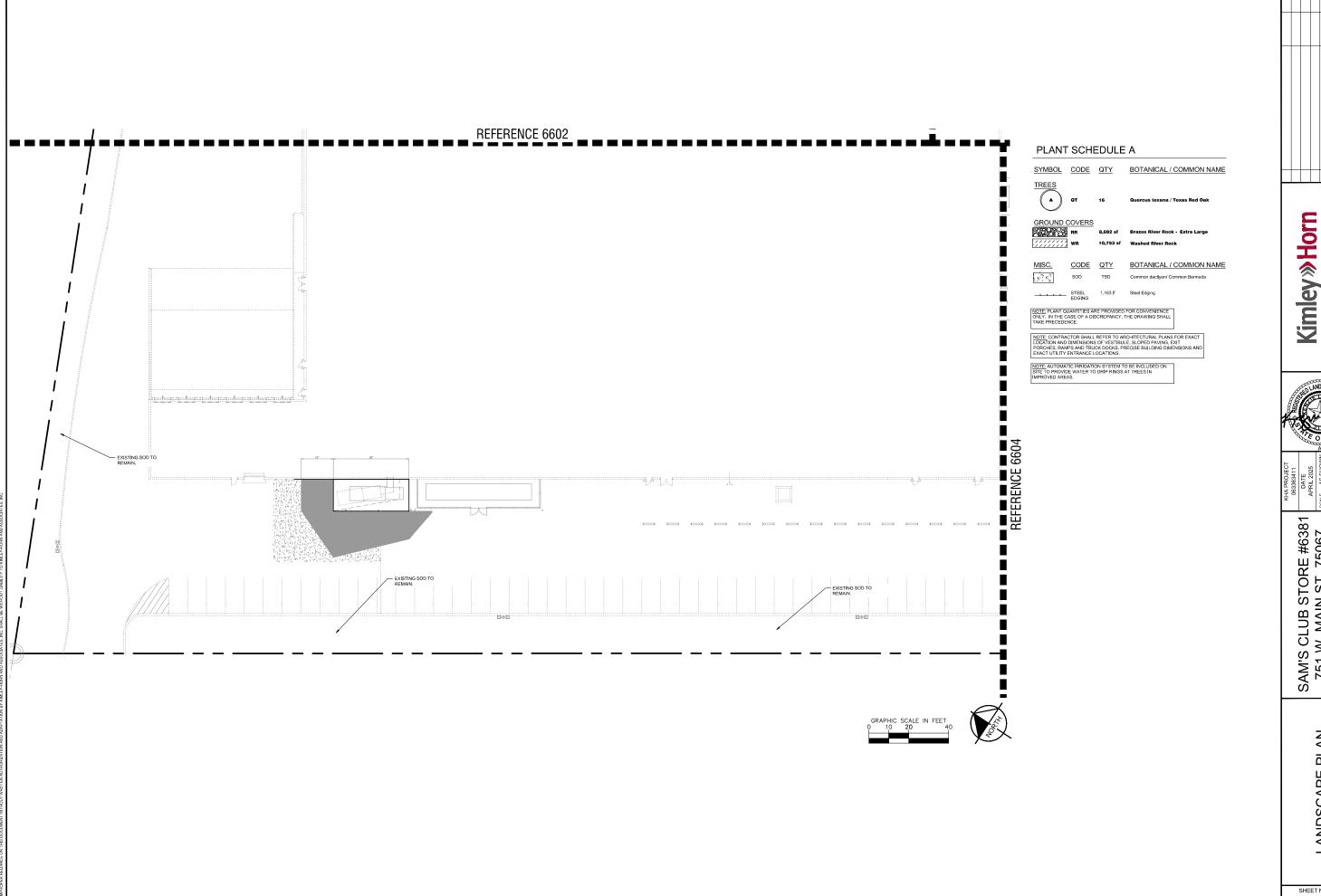
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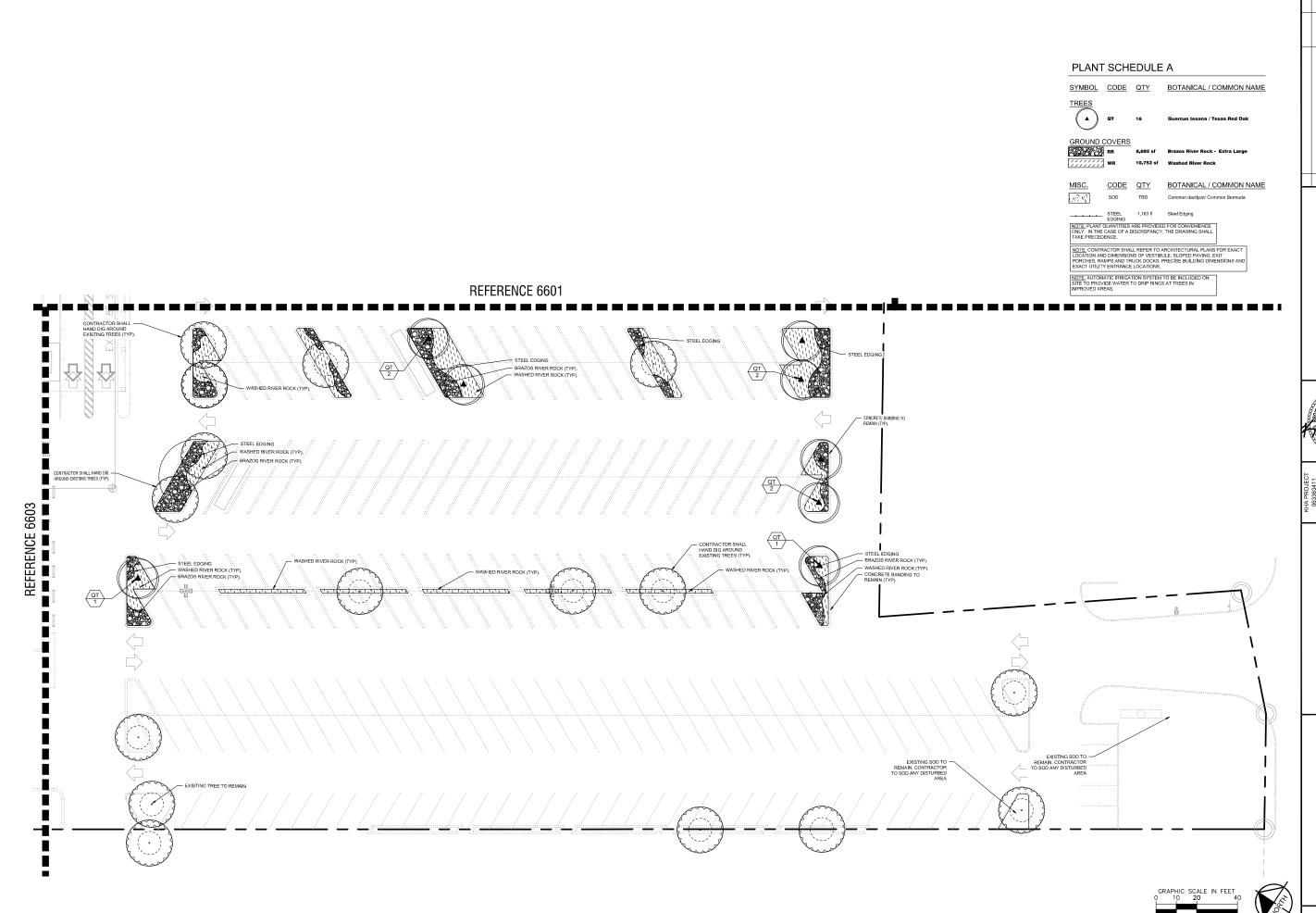






SAM'S CLUB STORE #6381 751 W. MAIN ST. 75067 CITY OF LEWISVILLE, TX

LANDSCAPE PLAN



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SAM'S CLUB STORE #6381 751 W. MAIN ST. 75067 CITY OF LEWISVILLE, TX

LANDSCAPE PLAN

SHEET NUMBER

6604

ROOTBALL AND TRUNK -

Tree Frog® RBK40pt SYSTEM
FOR UP TO 4" CALIPER TREES
(2) Tree Frog EPM 32"X2"X6" WOOD BOARDS
(4) 3/4"X70" STRAPPING (1,800 LB. TENSIBLE STRENGTH)

Tree Frog® RBK60pt SYSTEM

Tree Frog® RBK INSTALLATION NOTES SPECIFY ANCHOR
 BIODEGRADABLE (SOFT OR HARD SOIL)
 NYLON (SOFT SOIL)
 HEAVY DUTY (HARD SOIL)

Tree Frog® RBK40pt DIAGRAM

NOTE: - FOR UP TO 6" CALIPER TREES AND FOR PALMS UNDER 20' WITH CUT LARGE ROOT BALL

- ANCHORS ARE TO BE DRIVEN TO DEEPEST POSSIBLE DEPTH ACCORDING TO SOIL TYPE

(4) ARROWHEAD \* ANCHORS

— 4" CALIPER TREE NOTE:- FOR UP TO 4" CALIPER TREES-ANCHORS

ARE TO BE DRIVEN TO DEEPEST POSSIBLE DEPTH

ACCORDING TO SOIL TYPE

TREE FROG ENVIRONMENTAL PRODUCTS WWW.TREEFROGEP.COM 352-735-7411

1" STAPLE GUIDES 2 PER BOARD

ENTES S

Tree Frog® RBK60pt PLAN VIEW

"TREE FROG" TREE STAKING

NOTES:

FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY

(ANYTHING THAT COULD GIRDLE T OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT. FOLLOWING ANSI A300 STANDARDS

E. BRANCHING HEIGHT TO A.A.N. STANDARDS

TREE WRAP.

Tree Frog® RBK40pt FOR UP TO 4"
TREE CALIPER OR Tree Frog® RBK60pt
FOR GREATER THAN 4" AND UP TO 6"
TREE CALIPER. REFER TO SITEWORK
SPECIFICATIONS FOR APPROVED
MATERIALS AND INSTALLATION
REQUIREMENTS.

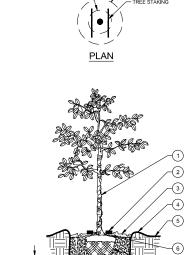
4. 3" HIGH SOIL BERM TO HOLD WATER.

5. FINISHED GRADE (SEE GRADING PLAN)

B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).

ROOTBALLS GREATER THAN 24"
DIAMETER SHALL BE PLACED ON
MOUND OF UNDISTURBED SOIL TO
PREVENT SETTLING ROOTBALLS
SMALLER THAN 24" IN DIA. MAY SIT ON
COMPACTED EARTH.

10. UNDISTURBED SUBSOIL.



ROOTBALL AND TRUNK

FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT. FOLLOWING ANSI A300 STANDARDS

BRANCHING HEIGHT TO A.A.N. STANDARDS.

TREE WRAP.

2. Tree Frog® RBK40pt FOR UP TO 4"
TREE CALIPER OR Tree Frog® RBK60
FOR GREATER THAN 4" AND UP TO 6"
TREE CALIPER. REFER TO SITEWORN
SPECIFICATIONS FOR ADBROVED.

4" MINIMUM OF HARDWOOD MULCH COMPACTED OR AS SPECIFIED.

4. 3" HIGH SOIL BERM TO HOLD WATER.

5. FINISHED GRADE (SEE GRADING PLAN).

TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.

B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).

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DETAIL

TREE

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PREPARED PLANTING SOIL AS SPECIFIED.

9. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING ROOTBALLS SMALLER THAN 24" IN DIA. MAY SIT COMPACTED EARTH.

10. UNDISTURBED SUBSOIL.



D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT.FOLLOWING ANSI A300 STANDARDS

BRANCHING HEIGHT TO A.A.N. STANDARDS

BASE OF TREE SHALL BE PLANTED SLIGHTLY ABOVE (1" MIN.) ADJACENT FINISH GRADE. REMOVE ALL TWINE & STRAPS & CUT BURLAP FROM TOP 1/3 OF ROOT BALL. NO SYNTHETIC BURLAP WILL BE ACCEPTED.

BALL-ROUGHEN SIDES OF TREE PIT.

4. 3" HIGH SOIL BERM TO HOLD WATER.

(4)-

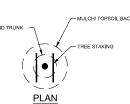
5. TOPSOIL MIX BACKFILL. TREE WRAP.

4" MIN. OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).

8. ROOT BALLS GREATER THAN 24\* DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING ROOT BALLS SMALLER THAN 24\* IN DIA. MAY SIT ON COMPACTED EARTH.

9. UNDISTURBED SUBSOIL.

I. Tree Frog® RBK40pt FOR UP TO 4" TREE CALIPER OR Tree Frog® RBK60pt FOR GREATER THAN 4" AND UP TO 6" TREE CALIPER. REFER TO SITEWORK SPECIFICATIONS FOR APPROVED



**SECTION** 

SMALL TREE PLANTING (14' OR LESS)

C. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

-(8)

-(10)

D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT. FOLLOWING ANSI A300 STANDARDS

FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

BRANCHING HEIGHT TO A.A.N. STANDARDS.

2. Tree Frog® RBK40pt FOR UP TO 4\* TREE CALIPER OR Tree Frog® RBK60pt FOR GREATER THAN 4\* "AND UP TO 6\* TREE CALIPER. REFER TO SITEWORK SPECIFICATIONS FOR APPROVED MATERIALS AND INSTALLATION RECUIREMENTS.

PREPARE PLANTING SOIL AS SPECIFIED.

7. ROOT BALLS GREATER THAN 24"
DIAMETER SHALL BE PLACED ON MOUND
OF UNDISTURBED SOIL TO PREVENT SETTLING ROOT BALLS SMALLER THAN 24' IN DIA. MAY SIT ON COMPACTED EARTH.

8. UNDISTURBED SUBSOIL.

9. 3" HIGH SOIL BERM TO HOLD WATER

11. CUT BACK SLOPE TO PROVIDE A FLAT SURFACE FOR PLANTING.

TREE PLANTING ON SLOPE

OR EXCAVATION.

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

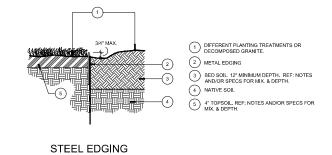
 PREPARED PLANTING SOIL AS SPECIFIED. LARGE TREE PLANTING (14' OR GREATER) - MULICH/ TOPSOIL BACKELLI ROOTBALL AND TRUNK

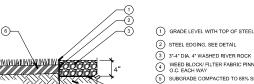
PLAN SEE PAGE 2 FOR INSTALLING ROOT BALL TREE STAKING KIT WITH BANDING MACHINE. SEE PAGE 3 FOR INSTALLING ROOT BALL TREE STAKING KIT WITH RATCHET.

MULTI-TRUNK TREE PLANTING

10. TREE WRAP. SECTION

CALITIC





- 1 GRADE LEVEL WITH TOP OF STEEL EDGING
- 2 STEEL EDGING, SEE DETAIL
- WEED BLOCK FILTER FABRIC PINNED AT 24"
   O.C. EACH WAY
   SUBGRADE COMPACTED TO 85% SPD OR LESS
- 6 4" TOPSOIL. REF: NOTES AND/OR SPECS FOR MIX. & DEPTH.

BRAZOS RIVER ROCK

GRADE LEVEL WITH TOP OF STEEL EDGING

WEED BLOCK/ FILTER FABRIC PINNED AT 24"
O.C. EACH WAY

5 SUBGRADE COMPACTED TO 85% SPD OR LESS

6 4" TOPSOIL, REF: NOTES AND/OR SPECS FOR MIX. & DEPTH.

2 STEEL EDGING, SEE DETAIL

3 6" BRAZOS RIVER ROCK

WASHED RIVER ROCK



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LANDSCAPE SCHEDULE AND DETAILS