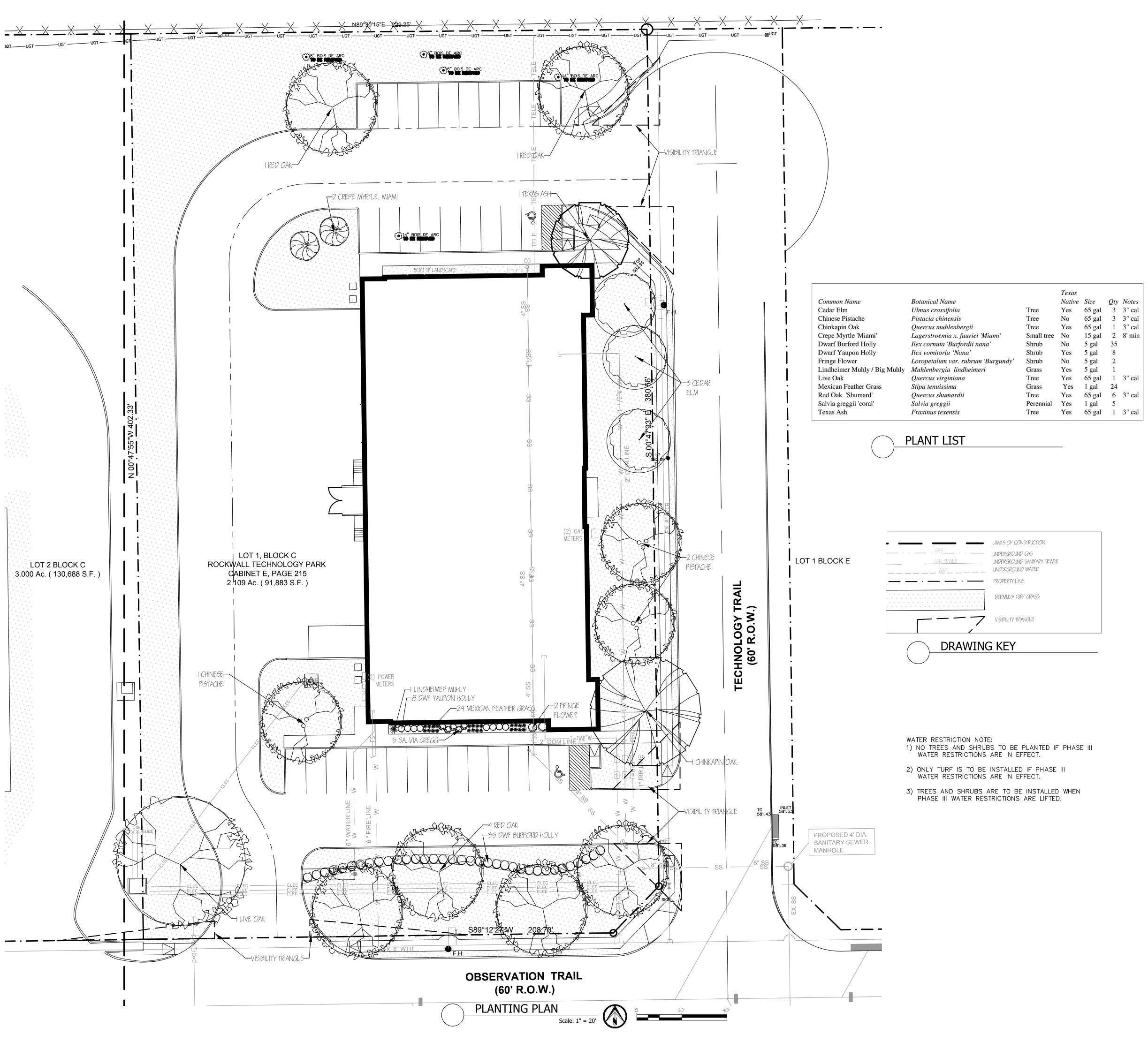




Observation Trail Elevation

KRT Enterprises, Inc.
Nolan Power Group Facility





## **Jurisdiction of Project**

REGULATORY AUTHORITIES:

(512) 475-2886 (FAX)

CITY OF ROCKWALL PLANNING AND ZONING 385 SOUTH GOLIAD ROCKWALL, TEXAS 75087 972.772.7700

TEXAS DEPARTMENT OF LICENSING AND REGULATION ELIMINATION OF ARCHITECTURAL BARRIERS E.O. THOMPSON STATE OFFICE BUILDING 920 COLORADO AUSTIN, TEXAS 78701 (512) 463-3211

# **Landscaping Requirements**

CITY OF ROCKWALL
TREE PRESERVATION LANDSCAPE ORDINANCE
ROCKWALL TECHNOLOGY PARK -- COVENANTS, CONDITIONS AND
RESTRICTIONS, ARTICLE 5 -LANDSCAPE AND SCREENING

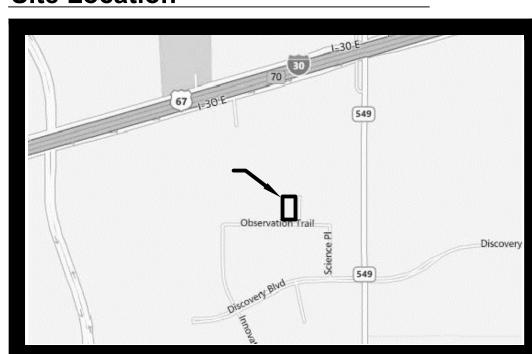
- A. LANDSCAPE AREA REQUIRED SITE AREA: 91,883 SF REQUIRED LANDSCAPE: 9,188 SF (10%)
- PROVIDED LANDSCAPE: 32,185 SF (35%)

  B. STREET TREES
  1 TREE PER 50 LF OF COLLECTOR STREET
- OBSERVATION TRAIL 230 LF
  REQUIRED: 5 TREES
  TECHNOLOGY WAY 379 LF
  REQUIRED: 8 TREES
  PROVIDED: 8 TREES
- C. 1 TREE WITHIN 50 LF OF EACH PARKING SPACED. 1 LARGE TREE, 3" CAL, FOR EVERY 20 PARKING SPACES AND 1 SMALL
- TREE FOR EVERY 30 PARKING SPACES OR PORTION THEREOF.
  33 PARKING SPACES
  REQUIRED: 2 LARGE TREES AND 2 SMALL TREES.
  PROVIDED: 2 LARGE TREES & 2 SMALL TREES
- E. ALL PARKING SCREENED FROM ADJACENT STREETS WITH 2-1/2' HEIGHT PLANTINGS.
- F. LANDSCAPE DOES NOT OBSTRUCT TRAFFIC VISIBILITY.
- G. NO PROTECTED TREES ON SITE. FIVE EXISTING BOIS 'D ARC TREES TO

# **Irrigation Requirements**

UNDERGROUND AUTOMATIC SPRINKLING SYSTEM PROVIDED.
SYSTEM DESIGNED AND INSTALLED ACCORDING TO TCEQ LAWS AND
REGULATIONS PROVIDING FOR 100% COVERAGE ON ALL LANDSCAPE AND TURF.
THE SYSTEM SHALL INCLUDE A FREEZE-RAIN SENSOR.

# **Site Location**



# **Owner & Professionals Information**

### **OWNER**

KRT ENTERPRISES P.O. BOX 1103 ROCKWALL, TX 75087

# ARCHITECT

SEITZ ARCHITECT, INC STEPHEN SEITZ 2231 RIDGE RD., SUITE 201 ROCKWALL, TX 75087 973.772.9006

# CIVIL ENGINEER

FC CUNY CORP.
CAMERON SLOWN, PE
#2 HORIZON COURT, SUITE 500
HEATH, TX. 75032
469.402.7700

#### LANDSCAPE ARCHITECT

CAROL FELDMAN FELDMAN DESIGN STUDIOS P.O. BOX 832346 RICHARDSON, TEXAS 75083 972.980.1730

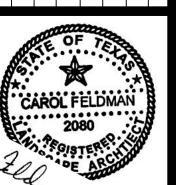


7, Box 832346, Rich one: 972 980-173C

P,O, Box 8322 Phone: 972.96

2.21.12 3.16.12 4.2.12

1. PRELIMINARY LANDSCAPE PLAN
2. SUBMITTAL PLAN
3. ADDED TREES ON TECH. WAY
4. 6. 6.



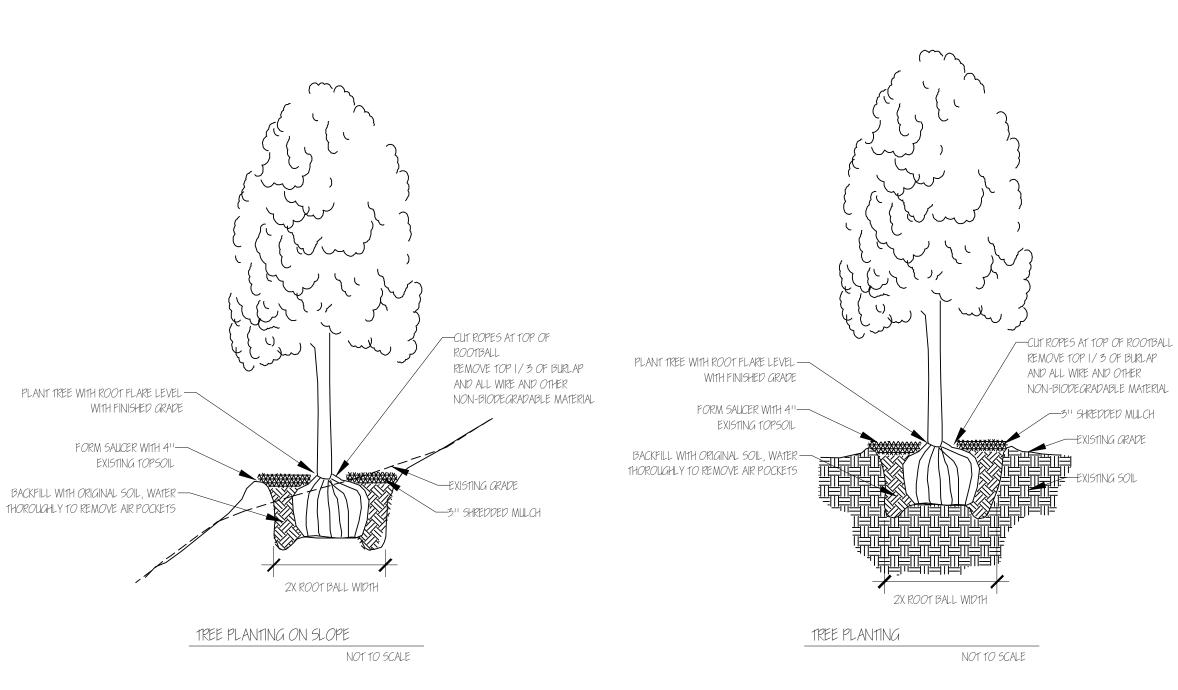
These draw... have been prepared by or under the supervision of Registered Landscape Architect #2080, Carol Feldman

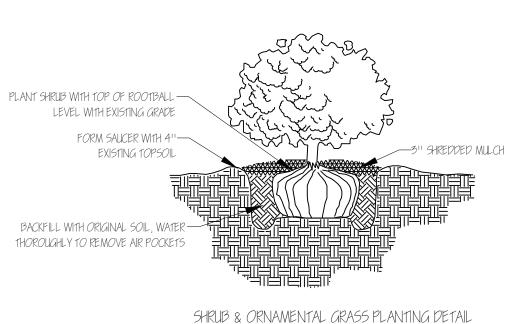
ER GROUP
AIL & TECHNOLOGY WAY

LANDSCAPE PL
NOLAN POWER G
OBSERVATION TRAIL &
ROCKWALL, TEXAS

SHEET NO.

L1.01





NOT TO SCALE

NOTE: FOR ROOT-BOUND PLANTS, -LOOSEN ROOTS AT OUTER EDG PLANT SHRUB WITH TOP OF -ROOTBALL LEVEL WITH SHREDDED MULCH EXISTING GRADE -EXISTING GRADE PLANT INTO TILLED AND AMENDED SOIL

PERENNIAL PLANTING DETAIL

NOT TO SCALE

SECTION 02910 - SOIL PREPARATION PART 1 - GENERAL

> DESCRIPTION 1. PROVIDE COMPLETE GRADING AND SOIL PREPARATION, INCLUDING AMENDMENTS, AS SPECIFIED HEREIN.

1. EXAMINE SITE TO VERIFY REQUIRED ROUGH GRADING HAS BEEN COMPLETED

CORRECTLY PRIOR TO BED PREPARATION WORK. 2. EXAMINE SITE TO VERIFY THAT ALL INVASIVE PLANTS AND THEIR ROOTS HAVE BEEN REMOVED PRIOR TO BED REPARATION WORK.

1. ALL 'APPROVED EQUAL' MATERIALS MUST BE APPROVED BY LANDSCAPE ARCHITECT.

PART 2 - PRODUCTS A. MATERIALS

1. COMPOST:

1.1. COTTON BUR COMPOST

1.2. SHALL BE SUPPLIED BY: GREENSENSE COMPOST, GARLAND, TX. OR, CLEAR FORK MATERIALS, ALEDO, TX, OR APPROVED EQUAL. 2. FERTILIZERS AND SUPPLEMENTS:

2.1. A 6-2-4 GRANULAR FERTILIZER WITH A WATER SOLUBLE SLOW RELEASE ORGANIC BASE SUCH AS GREENSENSE, OR SUSTANE. OR APPROVED EQUAL.

3.1. SHALL BE SHREDDED HARDWOOD MULCH, SHREDDED CEDAR MULCH, SHREDDED NATIVE MULCH, OR APPROVED EQUAL.

A. BED PREPARATION AND PREPARATION FOR SOD INSTALLATION 1.1. INSPECT ALL EXISTING CONDITIONS AND OTHER ITEMS OF WORK

PREVIOUSLY COMPLETED. DO NOT PROCEED UNTIL DEFECTS ARE 1.2. INSPECT THAT ALL INVASIVE PLANTS AND THEIR ROOTS HAVE BEEN REMOVED COMPLETELY.

1.3. ALL AREAS TO BE PREPARED WITH ORGANIC TECHNIQUES ONLY. 2. SHRUB BEDS: 2.1. BREAK UP AND TILL EXISTING SOIL TO A DEPTH OF 6 INCHES,

2.2. ADD A 3 INCH LAYER OF COMPOST TO THE BEDS, 2.3. TILL EXISTING SOIL AND COMPOST TOGETHER TO A TOTAL OVERALL

DEPTH OF 8 INCHES. 2.4. RAKE OUT ROCKS AND CLODS AND FINE GRADE THE BEDS TO DRAIN IN APPROPRIATE DIRECTIONS.

2.5. TOP-DRESS BED WITH A 3 INCH LAYER OF MULCH AFTER PLANTING. 3. SOD AND SEED AREAS

3.1. LIGHTLY CULTIVATE COMPACTED SOIL AND RAKE THE SOIL SMOOTH.

3.2. ADD 1/2 INCH COMPOST TO ALL AREAS. 3.3. FINE GRADE TO DRAIN IN APPROPRIATE DIRECTIONS.

END OF SECTION 02910

GENERAL LANDSCAPE

1. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND STRUCTURES WHETHER OR NOT SHOWN ON THE PLANS, AND SHALL BE RESPONSIBLE FOR DAMAGE TO SAID UTILITIES OR STRUCTURES CAUSED BY HIS/HER CREW AND SUBCONTRACTORS.

2. ALL LAWN AND LANDSCAPE BED AREAS ARE TO BE SEPARATED BY 14 GAUGE EDGING UNLESS OTHERWISE NOTED ON THE PLANS.

3. ALL TREES AND PLANTING BEDS ARE TO BE LAID OUT IN THE FIELD BY THE LANDSCAPE CONTRACTOR FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION OR PREPARATION OF PLANTING AREAS. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR FAILURE TO OBTAIN OWNERS REVIEW OF THE LAYOUT INCLUDING MODIFICATIONS REQUIRED.

SECTION 02915 - LANDSCAPE PLANTING

PART 1 - GENERAL

A. SPECIAL CONDITIONS 1. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL

REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. 2.EMPLOY ONLY EXPERIENCE PERSONNEL FAMILIAR WITH REQUIRED WORK. PROVIDE ADEQUATE SUPERVISION BY A QUALIFIED FOREMAN WITH A MINIMUM OF TEN(10) YEARS EXPERIENCE WITH PROJECTS OF SIMILAR

COMPLEXITY. REQUIRED MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF

NON-AVAILABILITY TO OWNER'S REPRESENTATIVE 4.PROVIDE QUANTITY, SIZE, GENUS, SPECIES AND VARIETY OF TREES AND SHRUBS INDICATED AND SCHEDULED FOR LANDSCAPE WORK WHICH COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI Z60.1 AMERICAN STANDARD FOR NURSERY STOCK , AND ANY APPLICABLE STATE AND FEDERAL LAWS CONCERNING DISEASE AND INSECT INFESTATION.

B.REFERENCE STANDARDS 1. AMERICAN STANDARD FOR NURSERY STOCK, APPROVED NOV. 6, 1996 BY AMERICAN NATIONAL STANDARDS INSTITUTE, INC. 2.SHINNERS & MAHLER'S, ILLUSTRATED FLORA OF NORTH CENTRAL TEXAS, BOTANICAL RESEARCH INSTITUTE OF TEXAS (BRIT), FORT WORTH, TEXAS,

3. HORTUS THIRD, CORNELL UNIVERSITY, 1967.

6.COORDINATION WITH IRRIGATION SYSTEM:

C.PREPARATION 4. COORDINATION WITH BUILDING AND ENGINEERING PROJECT ACTIVITIES. 5.COORDINATE THE WORK OF THIS SECTION WITH THAT OF REGULAR AND EMERGENCY WATER UTILITY ACTIVITIES ON THE SITE.

6.1. THE UNDERGROUND IRRIGATION SYSTEM MUST BE INSTALLED PRIOR TO COMMENCEMENT OF THE PLANTING OPERATIONS. 6.2. THE IRRIGATION SYSTEM SHALL BE OPERATIONAL AT THE TIME THAT PLANTING OPERATIONS COMMENCE.

6.3. COORDINATE WORK WITH THE IRRIGATION CONTRACTOR TO PREVENT DAMAGE TO THE IRRIGATION SYSTEM. D.ALL PLANT MATERIALS FOR THIS PROJECT SHALL BE NURSERY-GROWN,

1. CONTAINER GROWN PLANTS SHALL HAVE BEEN STEPPED-UP AS

NECESSARY TO PREVENT ROOT GIRDLING. 2.CONTAINER GROWN PLANTS SHALL HAVE BEEN IN THE CONTAINER FOR A MINIMUM OF SIX (6) MONTHS PRIOR TO DELIVERY TO THE SITE TO ENSURE ADEQUATE ROOT DEVELOPMENT.

3.THE 'ROOT FLARE' OF ALL TREES AND SHRUBS SHALL NOT BE COVERED WITH SOIL.

E. THE FOLLOWING TREE CARE PROCEDURES SHALL BE ADHERED TO: 1. DO NOT MAKE FLUSH CUTS OR LEAVE STUBS WHEN PRUNING. LEAVE THE BRANCH COLLAR INTACT.

2.DO NOT USE ANY TYPE OF PRUNING PAINT ON WOUNDS. 3.DO NOT USE ANY TYPE OF TREE WRAP, EXCEPT, TRUNKS MAY BE WRAPPED WITH BURLAP DURING PLANTING OPERATIONS ONLY.

4.DO NOT STAKE OR GUY ANY TREES. IN SPECIAL CASES, TREE STAKING MAY BE NECESSARY TO PRESERVE A TREE THAT CONTINUES TO BLOW OVER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY TREES THAT NEED STAKING FOR A PERIOD OF ONE YEAR. 5.DO NOT HANDLE ANY TREE BY ITS TRUNK. ANY TREE HANDLED IN SUCH A MANNER SHOULD BE REJECTED.

. WARRANTEE 1. UNCONDITIONALLY WARRANT ALL PLANTS FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF INSTALLATION INITIAL ACCEPTANCE. REPLACE MATERIALS NOT IN VIGOROUS, THRIVING CONDITION AS SOON AS WEATHER PERMITS AFTER NOTIFICATION BY OWNERS THAT THE PLANTS HAVE DIED OR ARE OTHER WISE NOT ACCEPTABLE. GUARANTEE REPLACEMENT

2.WARRANTY EXCLUDES REPLACEMENT OF PLANTS BECAUSE OF INJURY BY STORM, NATURAL DROUGHT, DROWNING, HAIL FOR FREEZING, IF REASONABLE CARE WAS TAKEN TO ADEQUATELY PROTECT THE MATERIAL, AND IN THE OPINION OF THE OWNER'S REPRESENTATIVE THAT THE PROBLEM OCCURRED AFTER THE DATE OF INITIAL ACCEPTANCE.

PLANTS FOR ONE YEAR, STARTING FROM THE DATE REPLACEMENT IS

PART 3 - EXECUTION

PREPARATION FOR PLANT MATERIAL INSTALLATION 1. EXAMINE THE SUB-GRADE UPON WHICH THE WORK IS TO BE PERFORMED, VERIFY GRADE ELEVATIONS AND VERIFY THAT BEDS HAVE BEEN LEFT LOW BY OTHER TRADES. OBSERVE THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND CONFIRM THAT UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED PRIOR TO PROCEEDING.

TIME OF PLANTING CARE IS TO BE TAKEN SO THAT NO PLANTS SIT IN POTS IN THE SUMMER HEAT FOR MORE THAN 1 HOUR. IF PLANTING DURING HOT SEASONS (NOT PREFERRED) PLANTING IS TO BE DONE IN SMALL SECTIONS WITH STOCKPILED PLANTS TO BE PROTECTED FROM THE SUMMER HEAT (SHADE AREAS).

TREE PLANTING

STAKE LOCATIONS FOR TREES PRIOR TO DIGGING HOLES. 2. DIG PITS WITH ROUGH SIDES AND WHICH HAVE TAPERED WALLS, A MINIMUM OF TWICE THE WIDTH OF THE TREE BALL. A PEDESTAL SHOULD BE LEFT IN THE CENTER OF THE HOLE AND THE TREE BALL SET UPON THAT PEDESTAL.

3. SET PLANTS IN THE CENTER OF THE HOLE AND ON THE PEDESTAL, PLUM AND VERTICAL, AND AT SUCH A DEPTH THAT THE CROWN OF THE TREE BALL WILL BE LEVEL WITH THE SURROUNDING GRADE.

4. ALL PLANTS SHALL BE SET TO MEET THE SAME RELATIONSHIP TO THE FINISHED GRADE OF THE SURROUNDING SOIL THAT THEY BORE TO PREVIOUS EXISTING GRADE OF SOIL. 5. BACKFILL WITH EXISTING TOPSOIL AND WATER IMMEDIATELY.

6. FORM A SHALLOW BASIN SLIGHTLY LARGER THAN THE PIT TO FACILITATE WATERING. REMOVE PRIOR TO MULCHING 7. COVER ALL TREE BALLS WITH A MINIMUM OF 3 OF SPECIFIED MULCH. EXTEND MULCH OUT TO THE EDGE OF THE TREE PIT, BUT KEEP AWAY

FROM TRUNKS. 8. ALL EXCAVATED MATERIAL UNACCEPTABLE FOR REUSE SHALL BE DISPOSED OF OFF SITE, OR AS DIRECTED BY THE OWNER.

SHRUBS, TALL GRASSES AND PERENNIAL PLANTING. 1. REMOVE CONTAINER AND SET PLANT MATERIAL AT SUCH A LEVEL THAT AFTER SETTLEMENT, THE CROWN OF THE BALL WILL BE AT FINISHED

2. GENTLY CUT OUTER ROOTS OF ANY ROOTBALLS THAT HAVE POT-BOUND PRIOR TO INSTALLATION.

3. COVER PLANTING BEDS WITH A MINIMUM 3 LAYER OF SPECIFIED MULCH. SOD PLANTING LAY SOD IN AN ORDERLY MANNER TO COVER ALL BARE SOIL AREAS.

WATER ALL AREAS OF THE SOD UNTIL THOROUGHLY WET. . ROLL SOD WITH A SOD ROLLER AFTER 24 HOURS AFTER LAYING AND WATERING SOD TO OBTAIN A UNIFORM, SMOOTH FINISH.

4. FILL JOINTS WITH COMPOST IF NECESSARY TO FORM A UNIFORM GRASS 5. KEEP SOD ADEQUATELY WATERED UNTIL SOD MAKES A FIRM

SEED PLANTING 1. AREAS SHALL BE RAKED TO A DEPTH OF 1/2", SMOOTH AND FREE OF STONES AND DEBRIS.

APPLY SEED EVENLY AT THE RATE RECOMMENDED. . RAKE AND WATER TO ESTABLISH A FIRM CONNECTION OF THE SEED TO

4. KEEP SEED AREA MOIST (NOT WET) UNTIL SEED GERMINATES AND GRASS IS APPROX. 1/2" IN HEIGHT.

5. KEEP AREA ADEQUATELY WATERED UNTIL A STAND OF THE GRASS IS ESTABLISHED

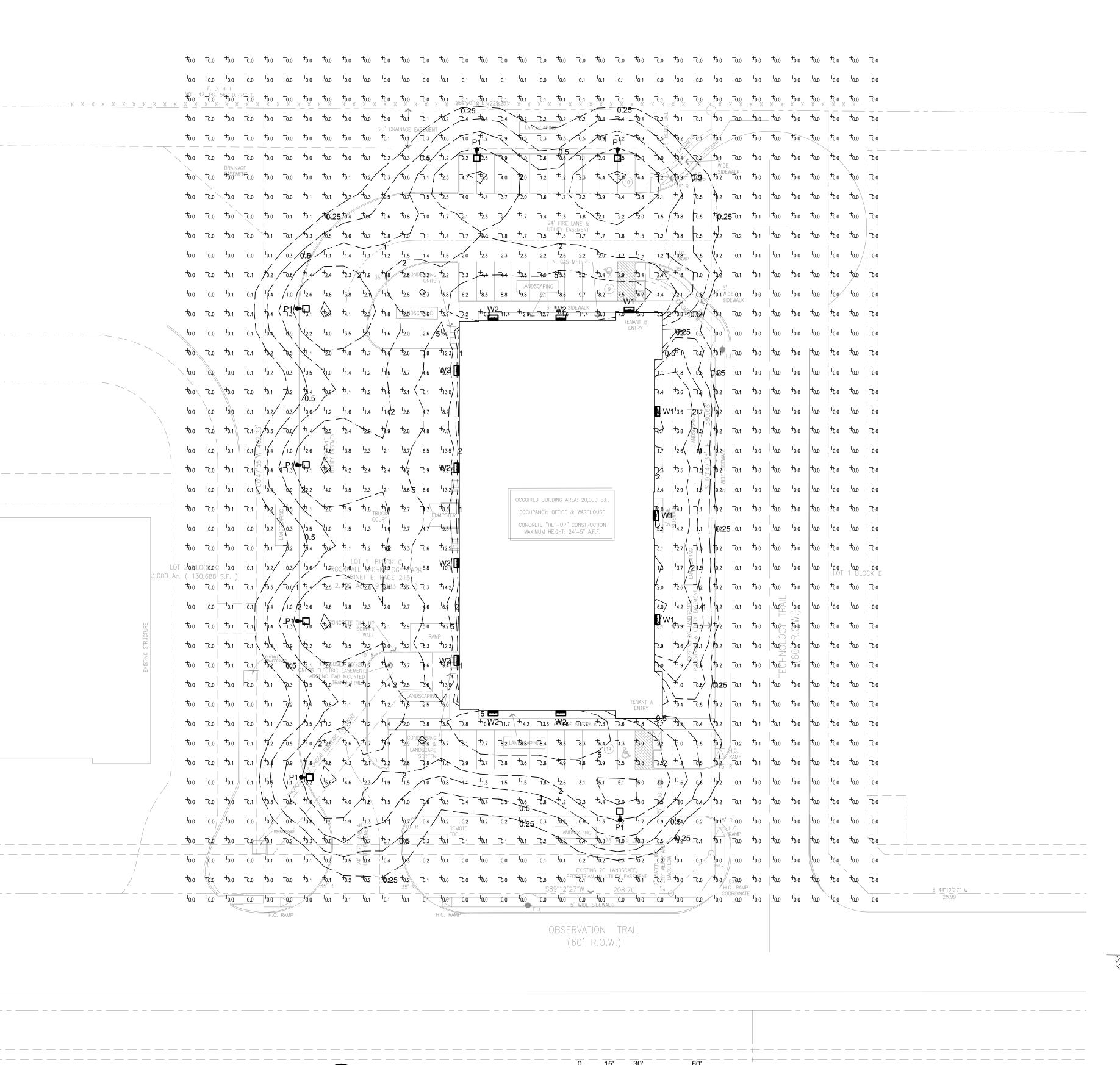
6. RE-SEED TO ESTABLISH A THICK STAND OF GRASS IF NECESSARY.

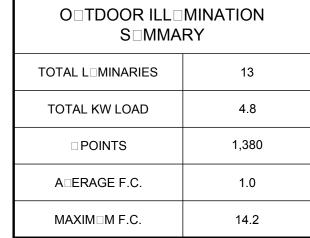
END OF SECTION 02915

CONNECTION TO THE SOIL.



SHEET NO.





O TDOOR LIGHTING SCHED LE							
SYMBOL	LABEL	□TY	MAN□F. CAT □	DESCRIPTION	LAMP	TILT	HEIGH <sup>-</sup>
	W1	4	KAD 100M R2	AREA LOMINAIRE SHOE BOX TYPE, WALL MOONTED, FOLL COTOFF, MEETS "NIGHTTIME FRIENDLY" CRITERIA	ONE 100 WATT CLEAR E 17 METAL HALIDE, 208 □OLT	HOR□.	14'⊡"
	W2	8	KAD 250M R2 (P□LSE START)	AREA LOMINAIRE SHOE BOX TYPE, WALL MOONTED, FOLL COTOFF, MEETS "NIGHTTIME FRIENDLY" CRITERIA	ONE 250 WATT CLEAR BT28 P□LSE START METAL HALIDE, 208 □OLT	HOR□.	18'፲0"
•-	P1	7	KAD 250 M R4 HS (P□LSE START)	AREA LOMINAIRE SHOE BOX TYPE, POLE MOONTED WITH HOOSESIDE SHIELD, FOLL COTOFF, MEETS "NIGHTTIME FRIENDLY" CRITERIA	ONE 250 WATT CLEAR BT28 P□LSE START METAL HALIDE, 208 □OLT	HOR□.	23'⊡"

#### **NOTES**

1. NUMBERS AND CONTOURS SHOWN ON PLAN ARE FOOT CANDLE UNITS.

AND SHALL AD ST L MINAIRES AS NECESSARY.

- 2. O TDOOR LIGHTING CIRC ITS SHALL BE PRO IDED WITH PROGRAMMABLE TIME CLOCK AND PHOTOCELL CONTROLLERS PER INTERNATIONAL ENERGY CONSER ATION CODE.
- 3. ELECTRICAL CONTRACTOR SHALL DERIFY ILL DMINATION LEDELS AFTER INSTALLATION
- LITHONIA KAD SHOE BOX CUTIOFF TYPE LUMINAIRE -LITHONIA SSS 4C AL□MIN□M POLE — REMO□ABLE HAND HOLE CO□ER INSTALL WEATHERPROOF F□SE HOLDER, REFER TO \ L□MINAIRE PICT□RE MAN FACT RER'S RECOMMENDATIONS TO -CAST FROM A356 AL□MIN□M ALLOY AND HEAT TREATED T6 TEMPER ANCHOR BASE. -S□RFACE SHOWN IS TYPICAL AND □ARIES WITH LOCATION. EXPANSION MATERIAL RE I IRED WHERE CONCRETE SIRFACES MEET. ANY DIST□RBED LANDSCAPING SHALL BE RESTORED TO ORIGINAL CONDITION. - 5™ DIA. COPPER GRO□ND ROD 10' LONG WITH NO. 4 BARE COPPER WIRE. CONNECT WIRE TO POLE AND ROD BY EXOTHERMIC WELDING PROCESS.

## **DETAIL NOTES**

- NEW FO□NDATIONS SHALL BE CONSTR□CTED IN
   ACCORDANCE WITH MAN□FACT□RERS SPECIFICATIONS
   AND MEET THE MINIM□M DIMENSION SHOWN.
- 2. MINIM M REINFORCEMENT SHALL BE 6 14 BARS (ERTICAL) 10 3 BAR HOOPS (HORI ONTAL AT 12" O.C.)

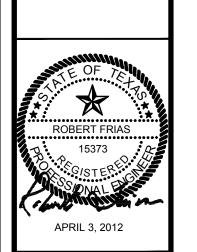


RE ISION NO.

SWAREHOUSE

\* TECHNOLOGY WAY

MANUFACTURING/WAREI
OBSERVATION TRAIL & TECHNOL



700KEMBLE ST. DRT WORTH, TX 76103 4: 817-534-6579 AX: 817-386-5365 WW.JLBUILDSYS.COM



PHOTOMETRIC SITE PLAN

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