

NOTES: (PLEASE REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS)

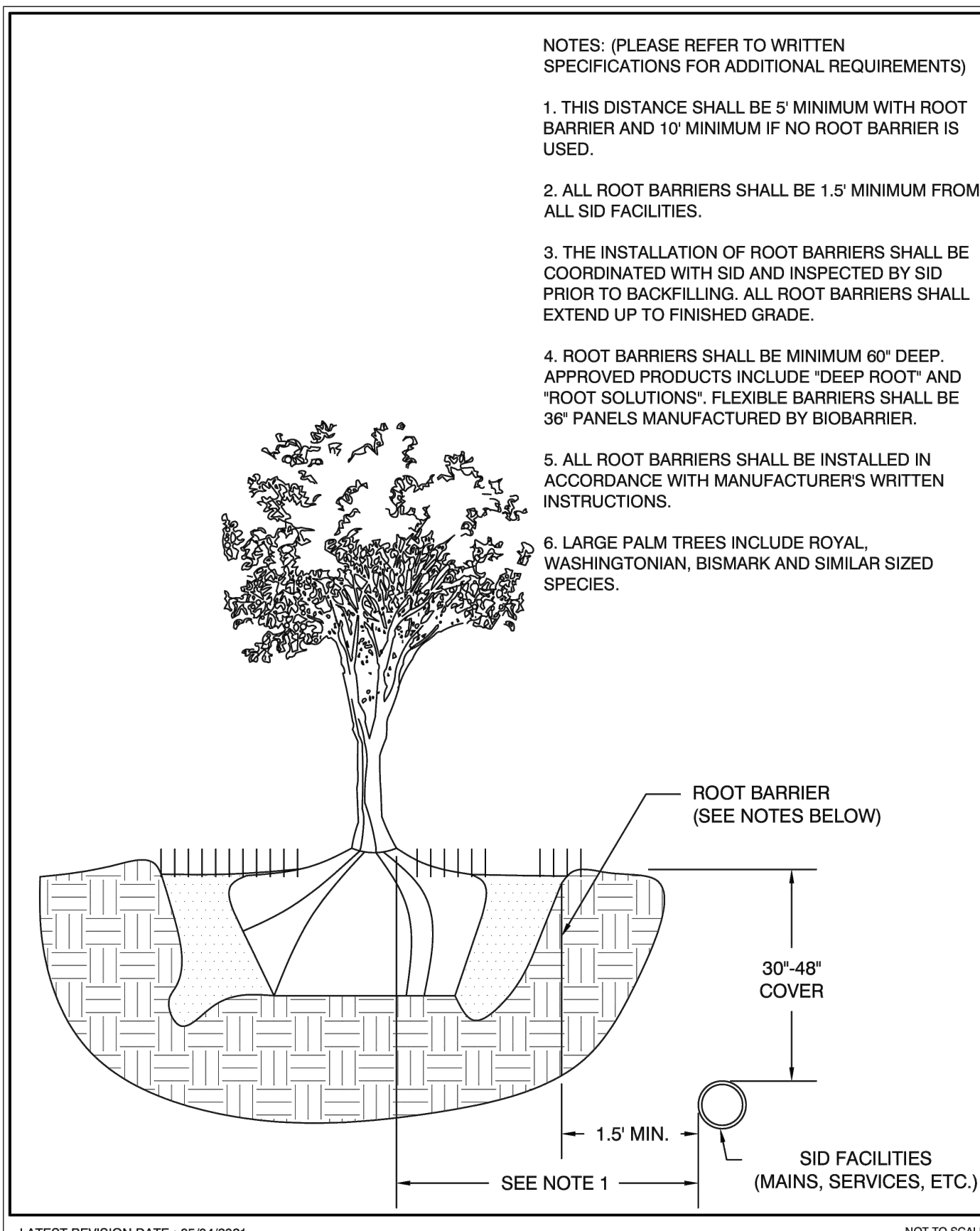
- THIS DISTANCE SHALL BE 3' MINIMUM WITH ROOT BARRIER AND 5' MINIMUM IF NO ROOT BARRIER IS USED.
- ALL ROOT BARRIERS SHALL BE 1.5' MINIMUM FROM ALL SID FACILITIES.
- THE INSTALLATION OF ROOT BARRIERS SHALL BE COORDINATED WITH SID AND INSPECTED BY SID PRIOR TO BACKFILLING. ALL ROOT BARRIERS SHALL EXTEND UP TO FINISHED GRADE.
- ROOT BARRIERS SHALL BE MINIMUM 60" DEEP. APPROVED PRODUCTS INCLUDE "DEEP ROOT" AND "ROOT SOLUTIONS". FLEXIBLE BARRIERS SHALL BE 36" PANELS MANUFACTURED BY BIOBARRIER.
- ALL ROOT BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

LATEST REVISION DATE: 05/04/2021

CAULFIELD & WHEELER, INC.  
CIVIL ENGINEERING - LAND PLANNING  
LANDSCAPE ARCHITECTURE - SURVEYING  
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BOCA RATON, FLORIDA 33434  
PHONE: (561) 392-1991 / FAX: (561) 750-4452

**TYPICAL SMALL TREE OR PALM WITH ROOT BARRIER**

GU-23



NOTES: (PLEASE REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS)

- THIS DISTANCE SHALL BE 5' MINIMUM WITH ROOT BARRIER AND 10' MINIMUM IF NO ROOT BARRIER IS USED.
- ALL ROOT BARRIERS SHALL BE 1.5' MINIMUM FROM ALL SID FACILITIES.
- THE INSTALLATION OF ROOT BARRIERS SHALL BE COORDINATED WITH SID AND INSPECTED BY SID PRIOR TO BACKFILLING. ALL ROOT BARRIERS SHALL EXTEND UP TO FINISHED GRADE.
- ROOT BARRIERS SHALL BE MINIMUM 60" DEEP. APPROVED PRODUCTS INCLUDE "DEEP ROOT" AND "ROOT SOLUTIONS". FLEXIBLE BARRIERS SHALL BE 36" PANELS MANUFACTURED BY BIOBARRIER.
- ALL ROOT BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- LARGE PALM TREES INCLUDE ROYAL, WASHINGTONIAN, BISMARCK AND SIMILAR SIZED SPECIES.

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**TYPICAL LARGE TREE OR PALM WITH ROOT BARRIER**

GU-22

### LANDSCAPE CALCULATIONS

JURISDICTION:	CITY OF WESTLAKE, FL
ZONING:	MUPD
VEHICLE USE AREAS	
VEHICLE USE AREA:	79,149 SF
PLANTING AREA REQUIRED:	7,915 SF (10% OF THE PAVED VUA)
PLANTING AREA PROVIDED:	8,843 SF (11%)
TREES REQUIRED:	22 TREES (1 TREE PER ISLAND)
TREES PROVIDED:	22 CANOPY TREES
*ON AVERAGE, EACH PARKING SPACE SHOULD BE WITHIN 50' OF A REQUIRED TREE	
VISUAL SCREEN FROM R.O.W./ADJ. PROPERTIES:	CONTINUOUS HEDGE REQUIRED AND PROVIDED
COMPATIBILITY PERIMETER BUFFERS	
NORTH (ADJ. PERSIMMON BLVD W):	358 LF, 15' WIDTH
CANOPY TREES REQUIRED:	15 CANOPY TREES (1 CANOPY TREE PER 25 LF)
CANOPY TREES PROVIDED:	15 CANOPY TREES
CONTINUOUS HEDGE:	REQUIRED AND PROVIDED
EAST (ADJ. INTERNAL DEV. DRIVEWAY):	302 LF, 8' WIDTH
CANOPY TREES REQUIRED:	12 CANOPY TREES (1 CANOPY TREE PER 25 LF)
CANOPY TREES PROVIDED:	14 CANOPY TREES (INCLUDES 6 PALMS AND 6 SMALL TREES)
CONTINUOUS HEDGE:	REQUIRED AND PROVIDED
EAST (ADJ. INTERNAL TO DEV.):	298 LF, 8' WIDTH
CANOPY TREES REQUIRED:	12 CANOPY TREES (1 CANOPY TREE PER 25 LF)
CANOPY TREES PROVIDED:	12 CANOPY TREES
CONTINUOUS HEDGE:	REQUIRED AND PROVIDED
NOTE: AN 8' LANDSCAPE BUFFER FOR THE EAST BOUNDARY WILL BE PROVIDED BY PARCEL F1, AND PLANTED BY PARCEL F2 AS DEPICTED ON THESE PLANS	
SOUTH (ADJ. INTERNAL TO DEV.):	307 LF, 8' WIDTH
CANOPY TREES REQUIRED:	12 CANOPY TREES (1 CANOPY TREE PER 25 LF)
CANOPY TREES PROVIDED:	12 CANOPY TREES
CONTINUOUS HEDGE:	REQUIRED AND PROVIDED
WEST LENGTH (ADJ. INTERNAL TO DEV.):	AN 8' LANDSCAPE BUFFER FOR THE WEST BOUNDARY WILL BE PROVIDED ON PARCEL F3, AND PLANTED BY PARCEL F3.

FOUNDATION LANDSCAPING	
BUILDING FACADE LENGTH:	842 LF
LANDSCAPING AREA REQUIRED:	AVG. 5' WIDE, MIN. 3' WIDE, 50% OF BLDG FACADES 679.8 LF X 50% = 339.9 LF REQ. 339.9 LF X 5' WIDTH = 1,699.9 SF REQ.
LANDSCAPING AREA PROVIDED:	471 LF / 1,877 SF

TREE PLANTING REQUIRED:	21 TREES OR PALMS (1 CANOPY TREE OR PALM PER 20 LF)
TREE PLANTING PROVIDED:	30 PALMS
SHRUB/GROUND COVER PLANTING REQUIRED:	211 SHRUBS/GROUNDCOVERS (1 PER 10 SF OF REQUIRED PLANTING AREA)
SHRUB/GROUND COVER PLANTING PROVIDED:	388 SHRUBS/GROUNDCOVERS

PLANTING AROUND SIGNS	
REQUIRED:	3' WIDE AROUND BASE OF GROUND SIGNS, CONTINUOUS SHRUBS/GROUNDCOVERS
PROVIDED:	SIGN PLANTING PROVIDED BY OTHERS

NATIVE PLANT REQUIREMENTS	
REQUIRED TREES:	94 TREES
NATIVE TREES REQUIRED:	50% OF REQUIRED TREES
NATIVE TREES PROVIDED:	88% (83 OF 94 REQUIRED TREES)

REQUIRED SHRUBS:	3,019 SHRUBS
NATIVE SHRUBS REQUIRED:	25% OF REQUIRED SHRUBS
NATIVE SHRUBS PROVIDED:	61% (1,846 OF 3,019 REQUIRED SHRUBS)

MAXIMUM SMALL AND PALM TREES	
REQUIRED CANOPY TREES:	94 CANOPY TREES
MAX. SMALL TREES/PALM TREES FOR CANOPY:	50% OF REQUIRED CANOPY TREES
SMALL TREES/PALM TREES PROPOSED:	40% (38 OF 94 REQUIRED CANOPY TREES)

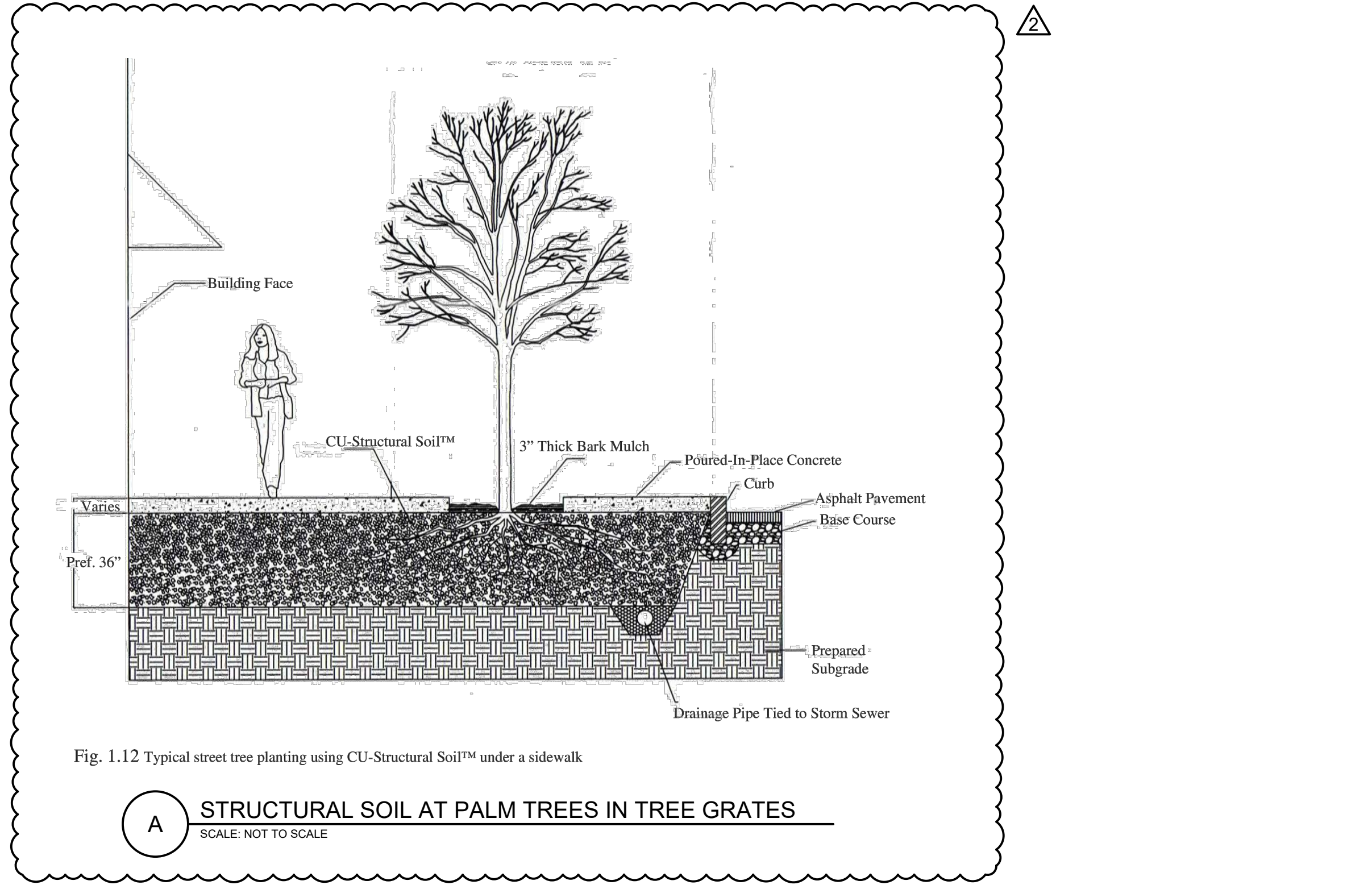


Fig. 1.12 Typical street tree planting using CU-Structural Soil™ under a sidewalk

**A STRUCTURAL SOIL AT PALM TREES IN TREE GRATES**  
SCALE: NOT TO SCALE

### GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
  - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
  - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
  - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
  - ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE. IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
  - ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH GRADE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
  - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
  - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUND COVER PATTERNS) SHALL TAKE PRECEDENCE.
  - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
  - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

### IRRIGATION CONCEPT

- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED AND QUALIFIED IRRIGATION CONTRACTOR.
- THE IRRIGATION SYSTEM WILL OPERATE ON THE LOWEST QUALITY WATER SOURCE AVAILABLE (RECLAIMED OR SHALLOW WELL), AND THE SYSTEM WILL HAVE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE WATER SOURCE WHERE REQUIRED BY THE JURISDICTIONAL AUTHORITY. POTABLE WATER SHALL NOT BE USED FOR LANDSCAPE IRRIGATION (PW UTILITY STANDARDS MANUAL 1.1.3.B.).
- ALL NON-TURF PLANTED AREAS SHALL BE DRIP IRRIGATED. SODDED AND SEEDED AREAS SHALL BE IRRIGATED WITH SPRAY OR ROTOR HEADS AT 100% HEAD-TO-HEAD COVERAGE.
- ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE FOLLOWING DEVICES AND SYSTEMS: MATCHED PRECIPITATION RATE TECHNOLOGY ON ROTOR AND SPRAY HEADS (WHEREVER POSSIBLE), RAIN SENSORS, AND MULTI-PROGRAM COMPUTERIZED IRRIGATION CONTROLLERS FEATURING SENSORY INPUT CAPABILITIES.

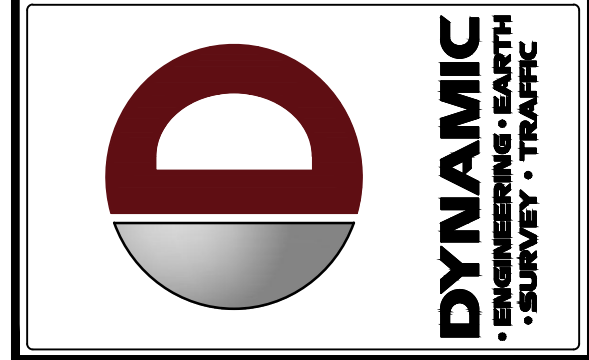
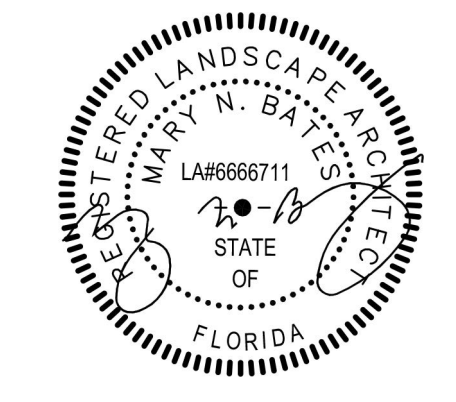
### MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), OVER LANDSCAPE FABRIC IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

### ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

INSTALL ROOT BARRIERS WHERE TREES WILL BE PLANTED WITHIN 10' OF A UTILITY PER THE SID ROOT BARRIER DETAILS ON THIS SHEET.



REV.	DATE	COMMENTS
2	04/12/24	AGENCY COMMENTS
1	03/27/24	AGENCY COMMENTS

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

DESIGNED BY: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_

PROJECT: **HUX SNEDEKER COMPANIES, LLC**  
PERSIMMON BLVD & SEMINOLE PRATT WHITNEY RD  
WESTLAKE, PALM BEACH COUNTY, FLORIDA

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Florida Certificate of Authorization No. 22533

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Mary N Bates  
Reason: LA6666711  
State of Florida  
Date: 2024.04.17  
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TITLE:  
**LANDSCAPE NOTES**

SCALE: (H) DATE: 02/08/2024  
(M)

PROJECT No:  
2451-23-04281

SHEET No: **LP-2** Rev. #: