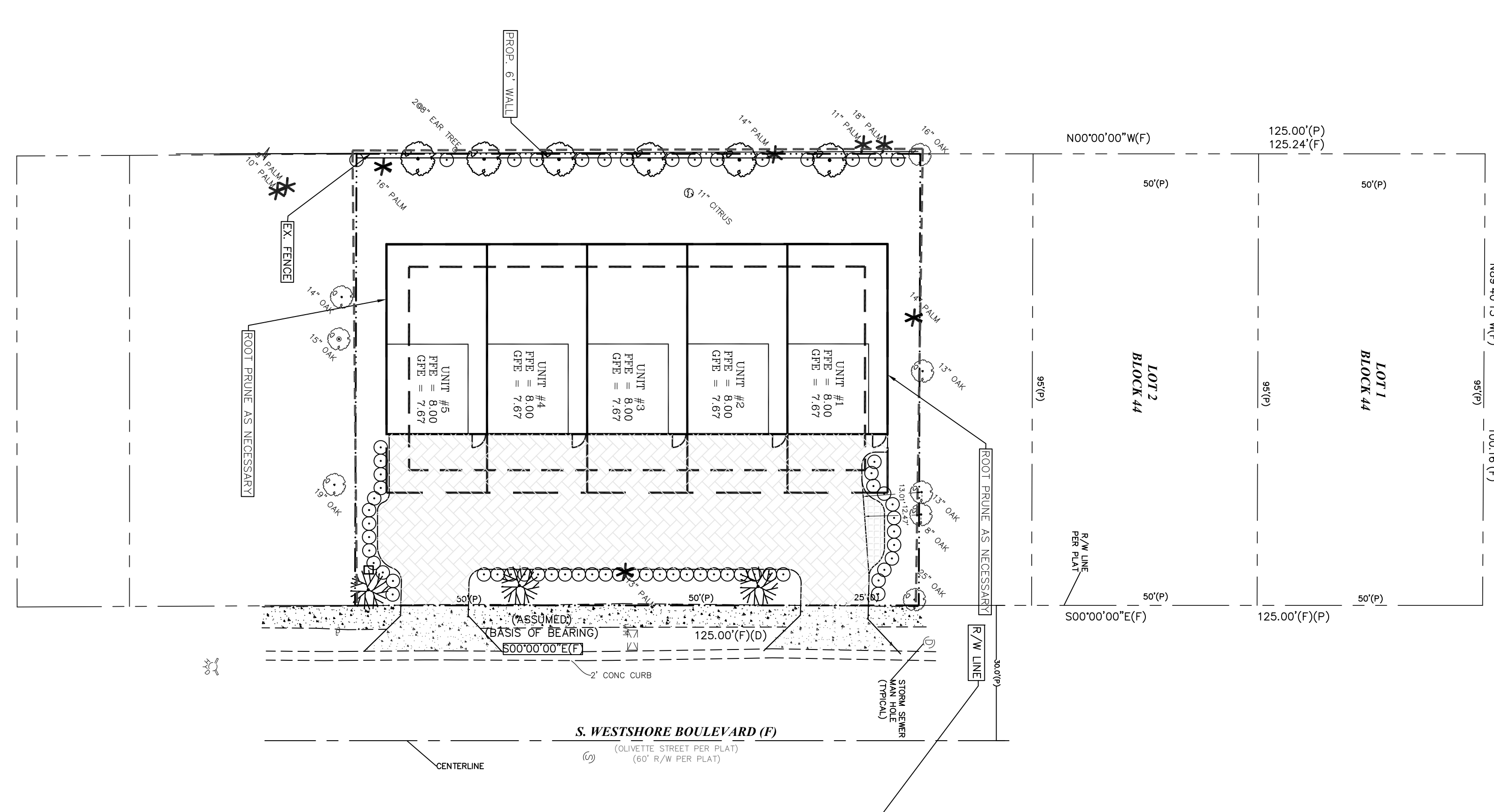


**LANDSCAPING NOTES:**

1. ALL LANDSCAPING INCLUDING IRRIGATION SHALL BE CONSTRUCTED WITHIN THE 10-FOOT PROTECTIVE RADIUS OF EXISTING TREES OR WITHIN THE 20-FOOT PROTECTIVE RADIUS OF GRAND TREES. TREE BARRICADES SHALL BE PROVIDED AROUND PROTECTED TREES AT LIMITS OF CONSTRUCTION OR PROTECTIVE RADII, WHICHEVER IS GREATER.
  2. NO SHADE TREES SHALL BE PLANTED WITHIN TWENTY FEET OF THE VERTICAL PLANE OF ABOVE GROUND UTILITY LINES.
  3. PROPOSED TREES AND SHRUBS SHALL BE FLORIDA GRADE #1 WITH SPECIFICATIONS AS FOLLOWS:  
TREES: 2" CALIPER MINIMUM, 8'-10' MIN HEIGHT, 5'-6" MIN. SPREAD, 30 GALLON CONTAINER  
SHRUBS: TO BE PLANTED 3" ON CENTER, 24" MIN HEIGHT, 24" MIN. SPREAD, 3 GALLON CONTAINER  
VINES: 10' ON CENTER, 3 ANNS, 3' LONG, 1 GALLON CONTAINER
- ADDITIONAL LANDSCAPE NOTES:
- A. LANDSCAPED AREAS SHALL CONSIST OF AT LEAST SIXTY (60) PERCENT NATIVE PLANT MATERIAL AND/OR PLANT MATERIAL ADAPTED TO LOCAL CLIMATIC AND SOIL CONDITIONS. RECOMMENDED TREES AND PLANT MATERIAL SHALL BE PLANTED IN SUCH A WAY AS TO CONSERVE, PRESERVE AND ENHANCE LAND USES, NATURAL LAND FEATURES, AND NATURAL AND AESTHETIC VALUES INCLUDING NATURAL MATERIAL WHICH PERMITS PERCOLATION MAY ALSO BE USED AS NECESSARY IN LANDSCAPING.
  - B. A LAYER OF MULCH TO A MINIMUM DEPTH OF THREE (3) INCHES SHALL BE SPECIFIED ON THE SITE PLAN IN PLANT BEDS AND AROUND INDIVIDUAL TREES IN TURF AREAS. ORGANIC MULCHES ARE PREFERRED; THE MULCH SHOULD NOT BE PLACED DIRECTLY AGAINST THE FLAT STEM OR TREE TRUNK. MULCH SHALL NOT BE REQUIRED IN ANNUAL BEDS.
  - C. AREAS ON THE PARCEL WHICH ARE USED FOR STORM WATER RETENTION OR DETENTION POND WITH DEPRESSIONS OF LESS THAN TWO (2) FEET AND THE LANDSCAPED BANKS OF SUCH PONDS FROM THE MEAN HIGH WATERLINE TO THE TOP OF THE BANK SHALL BE CREDITED ON A ONE-TO-ONE AREA BASIC TOWARD MEETING THE LANDSCAPED AREA.
  - D. IF A HERCER OR OTHER SCREEN IS USED, IT MUST BE AT LEAST TWO (2) FEET IN HEIGHT AT TIME OF PLANTING.
  - E. TURF AND GRASS SOU SHALL BE CLEAN AND FREE OF WEEDS, NOXIOUS PESTS AND DISEASE. GRASS SEED SHALL BE DELIVERED TO THE JOB SITE IN BAGS WITH STATE DEPARTMENT OF AGRICULTURE TAGS ATTACHED.
  - F. ALL LANDSCAPE AREAS MUST ALLOW FOR ACCESS TO PUBLIC AND PRIVATE UTILITY FACILITIES FOR MAINTENANCE PURPOSES.
  - G. A LIST OF ACCEPTABLE TREES FOR TREE PLANTING WITHIN TEN (10) FEET OF THE VERTICAL PLANE OF EXISTING POWER LINES, EXCLUDING SERVICE WIRE, IS SET FORTH BELOW IN SCHEDULE D1.
  - H. ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING PHASE SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE DESIGNATED PROTECTIVE RADII.

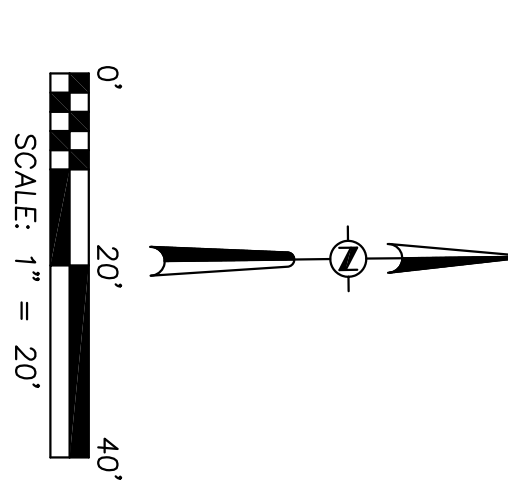
**NEW IRRIGATION REGULATIONS**

- THE CITY OF TAMPA IS PROPOSING REGULATIONS THAT PROMOTE WATER EFFICIENT LANDSCAPING AND SET IRRIGATION STANDARDS. NEW REGULATIONS ESTABLISH ADDITIONAL PERMITTING CRITERIA FOR IRRIGATION AND TURF GRASS. THIS RATION PLAN REQUIRES THAT ALL IRRIGATION SYSTEMS SHALL BE DESIGNED TO MEET OR EXCEED THE FOLLOWING ADDITIONAL INFORMATION MUST BE PROVIDED ON THE SITE PLAN FOR ANY DEVELOPMENT THAT PROPOSES TO INSTALL A LANDSCAPE IRRIGATION SYSTEM.
- A. DEFINITION OF IRRIGATION: IRRIGATION IS THE APPLIED WATER TO A PLANT OR PLANT BEDS.
  - B. FIFTY (50) PERCENT OF ON-SITE GREENSPACE SHALL BE ALLOWED TO UTILIZE IRRIGATION TECHNIQUES OTHER THAN MICRO-IRRIGATION.
  - C. TURFGRASS IN EXCESS OF 50% SHALL NOT HAVE A PERMANENT IRRIGATION SYSTEM.
  - D. PROPOSED IRRIGATION ZONES:
  - E. PROPOSED IRRIGATION TECHNIQUES OTHER THAN MICRO-IRRIGATION:
  - F. DELINEATE AREAS UTILIZING IRRIGATION TECHNIQUES OTHER THAN MICRO-IRRIGATION.
  - G. SHOW SPRINKLER SPACING AND DIAMETER OF COVERAGE.
  - H. TURF AREAS SHALL BE ON A SEPARATE IRRIGATION ZONE THAN OTHER LANDSCAPE ZONES.
  - I. A LAYER OF MULCH TO A MINIMUM OF THREE (3) INCHES SHALL BE SPECIFIED IN PLANT BEDS AND ADDITIONAL IRRIGATION INSPECTION REQUIREMENTS.
  - J. SPRINKLER SPACING SHALL NOT EXCEED 55% OF THE SPRINKLER'S DIAMETER OF COVERAGE.
  - K. WITHIN EACH IRRIGATION ZONE, SPRAYS AND ROTORS SHALL HAVE MATCHING APPLICATION RATES.
  - L. IRRIGATION EQUIPMENT SHALL INCLUDE AN AUTOMATIC IRRIGATION CONTROL VALVE CIRCUIT.
  - M. IRRIGATION BEADS (POGIES) SHALL NOT BE IRRIGATED.
  - N. IRRIGATION EQUIPMENT SHALL INCLUDE AN AUTOMATIC IRRIGATION CONTROL WITH BATTERY BACKUP.
  - O. AUTOMATIC CONTROLLER SHALL BE EQUIPPED WITH A RAIN SENSOR DEVICE.
  - P. GREENSPACE OF ENTIRE PARCEL LESS THE BUILDING FOOTPRINT, DRIVEWAYS, VEHICLE USE AREAS AND EXCLUDED TURF AREAS SHALL BE EQUIPPED WITH GREENSPACE IRRIGATION SYSTEMS AND WETLAND CONSERVATION FOR FURTHER INFORMATION CONTACT THE CONSTRUCTION SERVICES CENTER 259 - 1775
- ADDITIONAL IRRIGATION NOTES:
- A. ALL REQUIRED LANDSCAPING SHALL BE EQUIPPED WITH AN IRRIGATION SYSTEM EXCEPT AS SPECIFIED BELOW.
  - B. RETAINED NATIVE PLANT HABITAT IS NOT REQUIRED TO HAVE AN IRRIGATION SYSTEM.
  - C. HOWEVER, SYNTHETIC WATER ABSORBING POLYMERS SHOULD BE ADDED TO TOPSOIL PRIOR TO PLANTING OR SOING TO INCREASE WATER-HOLDING CAPACITY.
  - D. XEROPHYTES OR Brought-Tolerant LANDSCAPE MATERIAL (SEE SOUTH-WEST FLORIDA WATER MANAGEMENT DISTRICT PLANT GUIDE) PLANTED IN SPECIFIC ZONES OR BEDS IS ONLY REQUIRED TO BE IRRIGATED DURING ESTABLISHED (MINIMUM THIRTY (30) DAYS) AND PROTRACTED DROUGHT PERIODS. IRRIGATION SHALL BE A MICRO-IRRIGATION SYSTEM.
  - E. THE LANDSCAPE AND TREE PLANTING PLAN SHALL ILLUSTRATE THE PROPOSED IRRIGATION ZONES, MICRO-IRRIGATION.
  - F. FIFTY (50) PERCENT OF THE ON-SITE GREEN SPACE SHALL BE ALLOWED TO UTILIZE IRRIGATION TECHNIQUES OTHER THAN MICRO-IRRIGATION ZONES FROM OTHER LANDSCAPE PLANT ZONES. IN THE CASE OF EXPANSION OF AN EXISTING DEVELOPMENT, THIS LIMITATION WILL APPLY TO THE AREA OF NEW LANDSCAPE, ONLY.
  - G. IN ADDITION, IN ORDER TO PROMOTE WATER CONSERVATION IN THE COMMUNITY A MAXIMUM OF FIFTY (50) PERCENT GREEN SPACE MAY BE PLANTED WITH TURF GRASS CONFIGURED WITH A PERMANENT IN EXCESS OF THIS LIMITATION SHALL NOT HAVE A PERMANENT IRRIGATION SYSTEM. MICRO-IRRIGATION LIMITATION WILL APPLY TO THE AREA OF NEW LANDSCAPING, ONLY.
  - H. SPRINKLER SPACING SHALL NOT EXCEED FIFTY-FIVE (55) PERCENT OF THE SPRINKLER'S DIAMETER OF COVERAGE.
  - I. SPRAYS AND ROTORS SHALL NOT BE COMBINED ON THE SAME CONTROL VALVE CIRCUIT. SPRAY AND ROTORS SHALL HAVE MATCHING APPLICATION RATES WITHIN EACH IRRIGATION ZONE.
  - J. ALL IRRIGATION SYSTEMS SHALL BE DESIGNED TO AVOID OVERSPRAY, RUNOFF, LOW HEAD DRAINAGE, OR OTHER UNDESIRABLE CONDITIONS WHERE WATER FLOWS ONTO OR OVER ADJACENT PROPERTY. NON-IRRIGATED AREAS, WALKWAYS, ROADS, STRUCTURES, OR WATER FEATURES, NARROW AREAS (FOUR (4) FEET WIDE OR LESS) SHALL NOT BE IRRIGATED UNLESS MICRO-IRRIGATION IS UTILIZED.
  - K. IRRIGATION CONTROL EQUIPMENT SHALL INCLUDE AN AUTOMATIC IRRIGATION CONTROLLER HAVING PROGRAM FLEXIBILITY SUCH AS REPEAT CYCLES AND MULTIPLE PROGRAM CAPABILITIES. AUTOMATIC IRRIGATION CONTROL SYSTEMS SHALL BE EQUIPPED WITH AN OPERABLE RAIN SENSOR DEVICE.
  - L. THE IRRIGATION SYSTEM SHOULD BE DESIGNED TO "STANDARDS AND SPECIFICATIONS FOR TURF AND LANDSCAPE IRRIGATION SYSTEMS," FOURTH EDITION, 2000, FLORIDA IRRIGATION SOCIETY AND AS SUBSEQUENTLY AMENDED.
  - M. SPORTS FIELDS, GOLF COURSES, COURTESIES, AND STORM WATER MANAGEMENT SYSTEMS ARE EXEMPT FROM THE TURF AREA LIMITATION AND MICRO-IRRIGATION REQUIREMENTS OF THIS ORDINANCE WHERE FUNCTIONAL NEED FOR TURF IS DEMONSTRATED. ALL OTHER IRRIGATION AND LANDSCAPE REQUIREMENTS OF THIS ORDINANCE APPLY.



**LANDSCAPE CALCULATIONS**

MULTI FAMILY TREE PLANTING REQUIREMENT:  
 1 TREE / 1500 SF OF VIA  
 TREES REQUIRED (SITE-BLDG-VIA)/1500  
 4,741 SF / 1500 = 3.16 TREES  
 0 TREES  
 DEBIT TREES  
 REPLACEMENT TREES  
 TOTAL TREES REQUIRED  
 3 TREES  
 TOTAL TREES PROVIDED  
 3 TREES  
 GREEN SPACE PROVIDED  
 350 SF / UNIT X 5 UNITS = 1,750 SF  
 4,741 > 1,750 SF OK

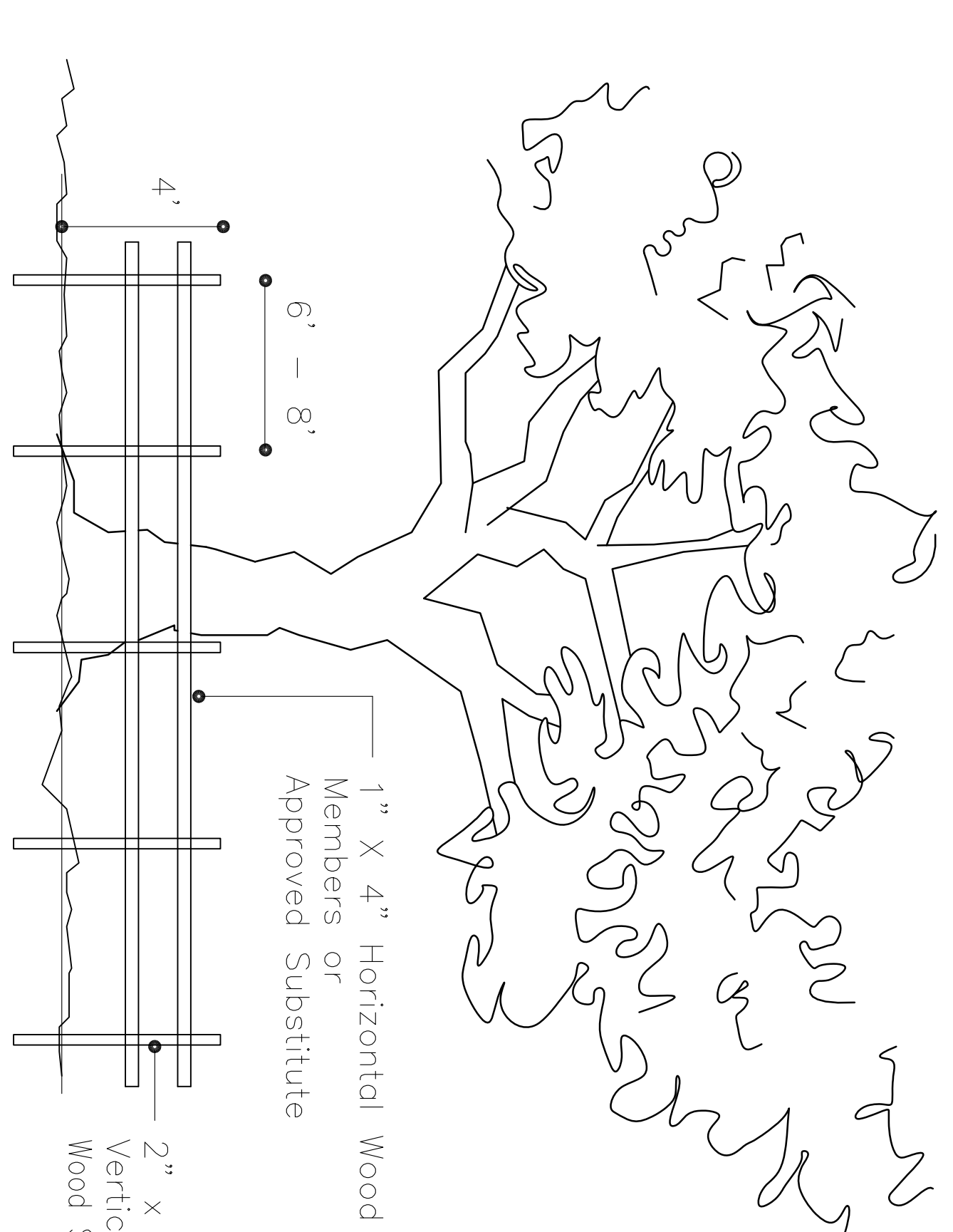


**CITY OF TAMPA TREE TABLE**

DIAMETER(N)	NO. REMOVED	NO. SAVED	MULTIPLIER FOR DEBIT	MULTIPLIER FOR CREDIT	DEBIT	CREDIT
5" TO 7"	0	0	0	0	0	0
8" TO 12"	0	0	1	1	0	0
13" TO 19"	0	0	2	2	0	0
20" TO 29"	0	1	4	4	0	4
30" OR MORE	0	0	10	10	0	0
ALL PALMS	3	0	1	1	3	0
TOTAL					3	4

**PLANT LIST**

SYM	QTY	BOTANICAL/COMMON NAME
6	6	SHADE TREES (50% MIN. OF TOTAL TREES)
0	0	QUERCUS VIRGINIANA/LIVE OAK
0	0	QUERCUS LAUREFOLIA/LAUREL OAK
0	0	ACER SP. /MAPLE
0	0	POWDER LINE TREES
0	0	LAURUSTROBILUS INDICA/GRAPE MARLE
0	0	MELIA ALBA/WHITE
0	0	LENA WASHINGTONIA/OLIVE NOLLY
6	6	EVERGREEN TREES
0	0	(LUDWIGIA, PODOCARPUS, RED CEDAR OR HOLLY)
0	0	MODERATE SHADE & ORNAMENTAL TREES
0	0	PALM
TBD	TBD	VIBURNUM SUSPENSUM/SANDHAWK VIBURNUM
TBD	TBD	ST. AUGUSTINE 'FLORATA'



Barriers Placed at Protective Radius  
 20' FOR GRAND TREES  
 10' FOR PROTECTED TREES

**TREE BARRICADE DETAIL**

N.T.S.

PROJECT NAME: <b>6719 S. WESTSHORE TWH</b>	PREPARED FOR: <b>6719 S. WESTSHORE LLC</b>		
PROJECT LOCATION: <b>TAMPA, FLORIDA</b>	PREPARED BY: <b>PROFESSIONAL ENGINEERING, INC.</b>		
SHEET NAME: <b>SITE &amp; UTILITY PLAN</b>	ENGINEERING PERMITTING PLANNING CERTIFICATE OF AUTHORIZATION: 00006732		
NO.	DATE	DESCRIPTION	BY

ISSUED FOR: REVIEW

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