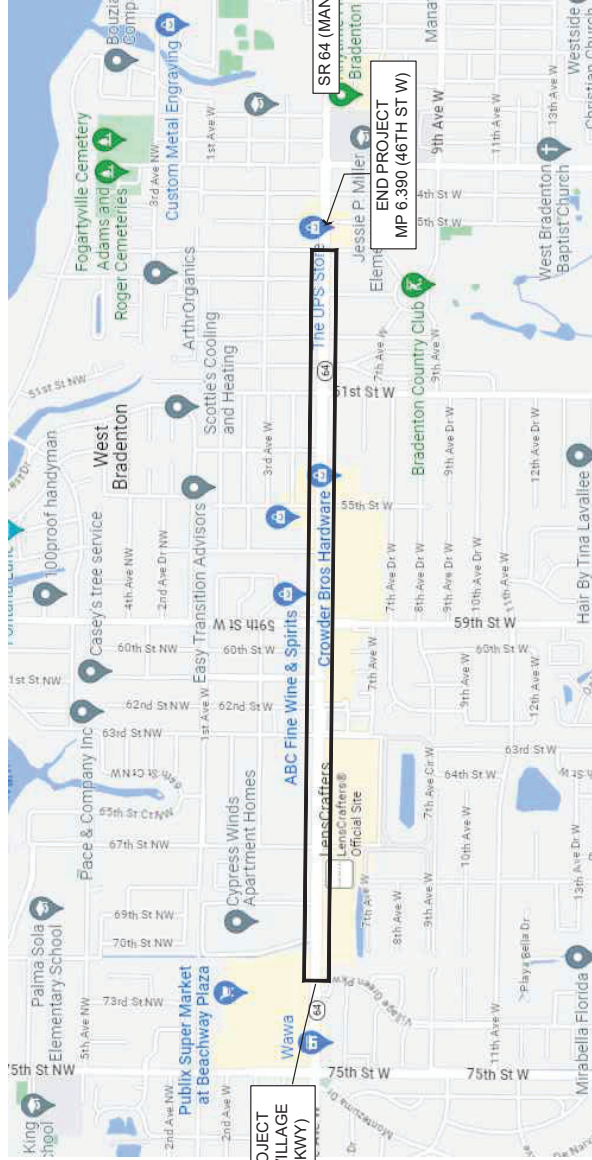


LANDSCAPE PLAN FOR MANATEE AVENUE MEDIAN IMPROVEMENTS

LOCATED AT:

SECTION 29, TOWNSHIP 34 SOUTH, RANGE 17 EAST
MANATEE COUNTY, FLORIDA

PROJECT LIMITS (MP 4.779 VILLAGE GREEN PKWY TO MP 6.390 46TH ST W)



POSTED SPEED 45 MPH

BEGIN PROJECT
MP 4.779 (VILLAGE
GREEN PKWY)

END PROJECT
MP 6.390 (46TH ST W)

SR 64 (MANATEE AVE.)



Landscape Architecture | Land Planning | Environmental
Consulting | Arborist | Permitting | Project Management |
Irrigation Design

REVISIONS:

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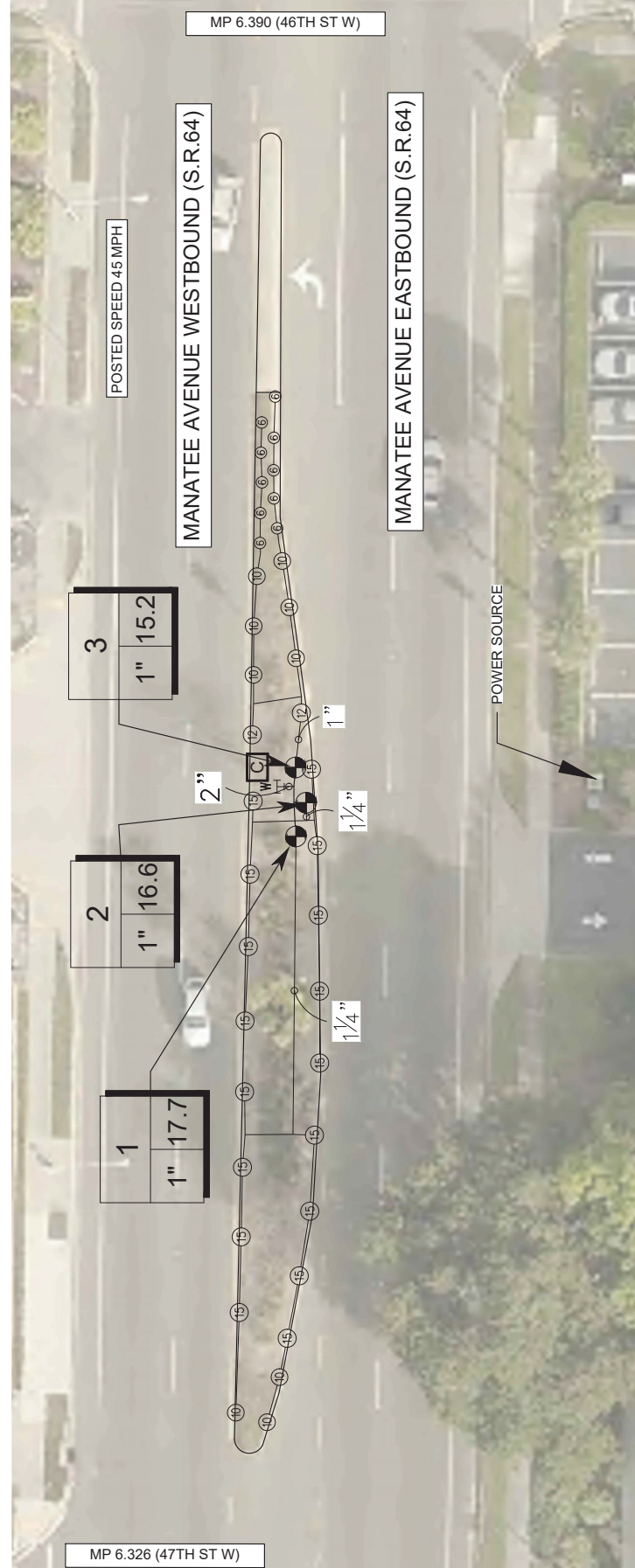
**MANATEE AVENUE IMPROVEMENTS
 LANDSCAPE AVENUE MEDIANS**

LOCATED AT:
 MANATEE AVENUE
 BRADENTON, FL
 SECTION 29
 RANGE 16 S, SOUTH
 RANGE 17 E, EAST
 MANATEE COUNTY, FLORIDA
 DRAWING NOT VALID WITHOUT A SEALED SEAL



IRRIGATION PLAN

IR.1



CRITICAL ANALYSIS

Generated: 2023-07-07 09:47
 P.O.C. NUMBER: 01
 Water Source Information: 5" well w/ 1 hp submersible pump, 18 gpm with 1" cycle-stop valve and pump start relay
 FLOW AVAILABLE: 18 GPM
 Custom Max Flow: 18 GPM
 Flow Available at P.O.C.: 18 GPM
 P.O.C. Pressure Available: 55 PSF
 Pressure Available: 55 PSF

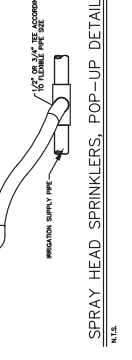
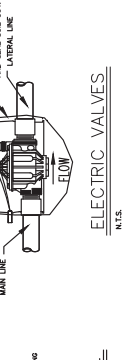
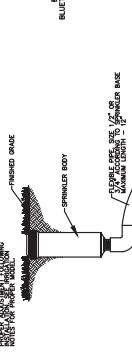
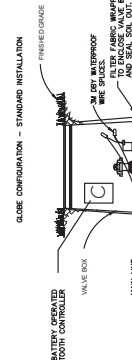
DESIGN ANALYSIS
 Minimum Station POC: 28 GPM
 Minimum Station POC: -6 GPM
 Residual Flow Available: 0 PSI
 Pressure Req. at Critical Station: 0 PSI
 Loss for Friction: 0 PSI
 Loss for P.O.C. to Valve Elevation: 0 PSI
 Loss for P.O.C. to Valve Elevation: 0 PSI
 Critical Station Pressure at P.O.C.: 55 PSF
 Residual Pressure Available: 55 PSF

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	QTY	PSI	WIRE	PSI @ P.O.C.	RECEIPT
1	Intrio 100P-LS GLOBE	1"	Turf Spray	38	17.69	79.2	34.0	1.38in/h
2	Intrio 100P-LS GLOBE	1"	Turf Spray	38	17.69	79.2	34.0	1.38in/h
3	Common Valve	1"	Turf Spray	38	17.69	79.2	34.0	1.38in/h

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
⊙	Header PROGRAM-VALVE All Series	38	30
⊙	Turf Spray, 6in. Pop-Up, With Drain Check Valve - Commodity		
⊙	Wiper set with UV Resistant Wheelset		
⊙	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
⊙	Intrio 100P-LS GLOBE	3	
⊙	Electric Control Valve, 1in. Globe Body Configuration, Rain Bird T80S-B74		
⊙	DC Pulse Latching Solenoid, Used (T80S-DAEP) or Compatible w/ Legacy Hand-held Transmitter or Rain Bird Mobile App	1	
⊙	5" well w/ 1 hp submersible pump, 1 ph, 40 ft lift		
⊙	5" well w/ 1 hp submersible pump, 1 ph, 40 ft lift, 5" well w/ 1 hp submersible pump, 1 ph, 40 ft lift		
⊙	5" well w/ 1 hp submersible pump, 1 ph, 40 ft lift, 5" well w/ 1 hp submersible pump, 1 ph, 40 ft lift		
⊙	Ingration Lateral Line - PVC Class 150 SDR 26	457.81 L	
⊙	Injection Manifolds - PVC Class 150 SDR 26	192.1 L	
⊙	3" well w/ 1 hp submersible pump, 1 ph, 40 ft lift, 5" well w/ 1 hp submersible pump, 1 ph, 40 ft lift		
⊙	Pipe size 3" and above shall be galvanized pipe		
⊙	Valve Cabinet		
⊙	Valve Number		
⊙	Valve Flow		
⊙	Valve Size		



ELECTRIC VALVES
 N.T.S.

SPRAY HEAD SPRINKLERS, POP-UP DETAIL
 N.T.S.

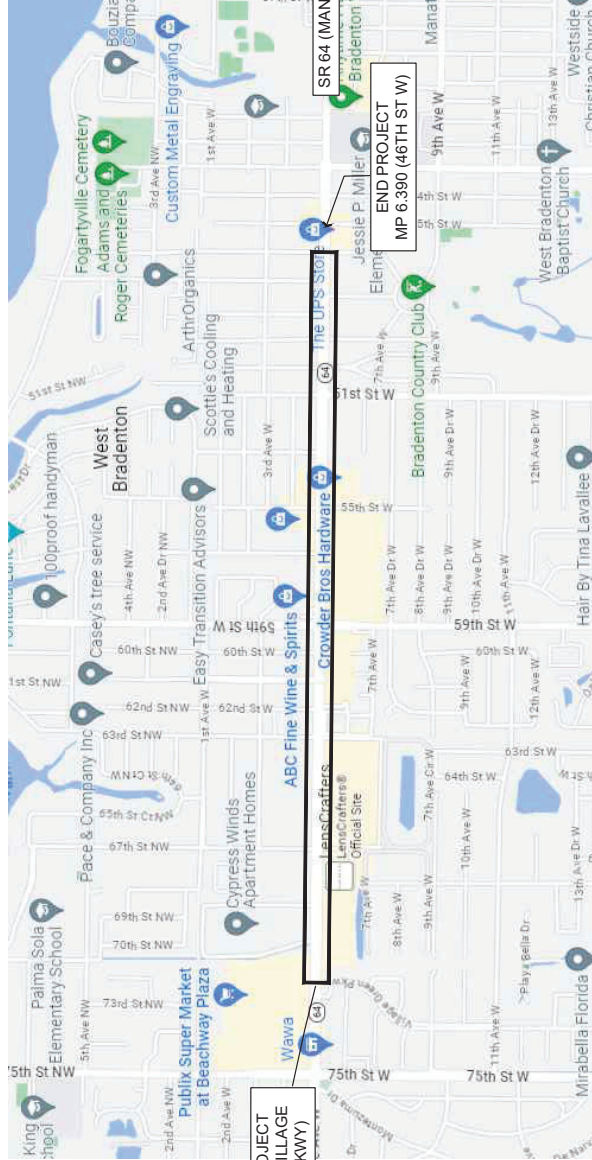
LANDSCAPE PLAN FOR

MANATEE AVENUE MEDIAN IMPROVEMENTS

LOCATED AT:

SECTION 29, TOWNSHIP 34 SOUTH, RANGE 17 EAST
MANATEE COUNTY, FLORIDA

PROJECT LIMITS (MP 4.779 VILLAGE GREEN PKWY TO MP 6.390 46TH ST W)



BEGIN PROJECT
MP 4.779 (VILLAGE
GREEN PKWY)

END PROJECT
MP 6.390 (46TH ST W)

SR 64 (MANATEE AVE.)

POSTED SPEED 45 MPH



Landscape Architecture | Land Planning | Environmental
Consulting | Arborist | Permitting | Project Management |
Irrigation Design



Landscape Architecture | Land Planning | Environmental Engineering | Permitting | Project Management | Urban Design

1555 South Orange Ave. Suite 100
 Ft. Lauderdale, FL 33305 | Tel: 954.571.1232
 Fax: 954.571.1233 | Email: info@gause.com
 License: Landscape Architect License #120000002 | State of Florida | KCP# 200000000

DESIGNED BY: MVA
 DRAWN BY: MVA
 CHECKED BY: MVA
 DATE: 08/27/2024

REVISIONS:

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MANATEE AVENUE IMPROVEMENTS
 LANDSCAPE PLAN

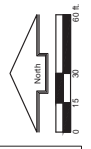
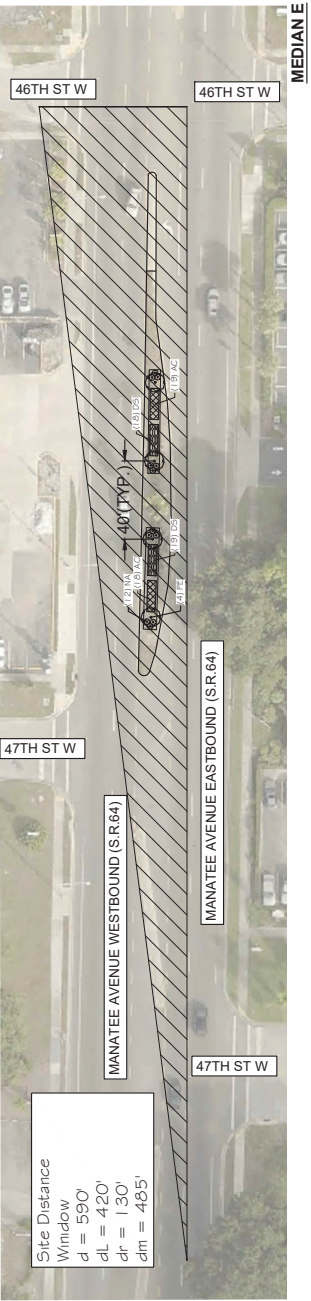
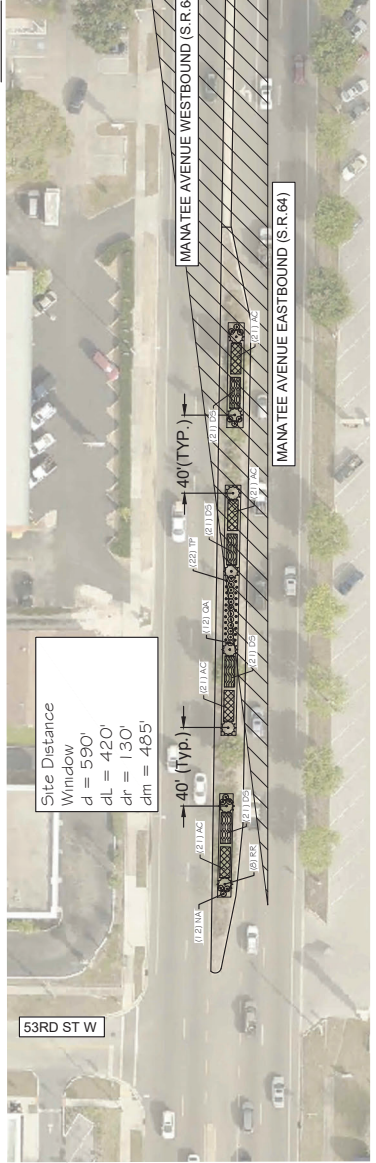
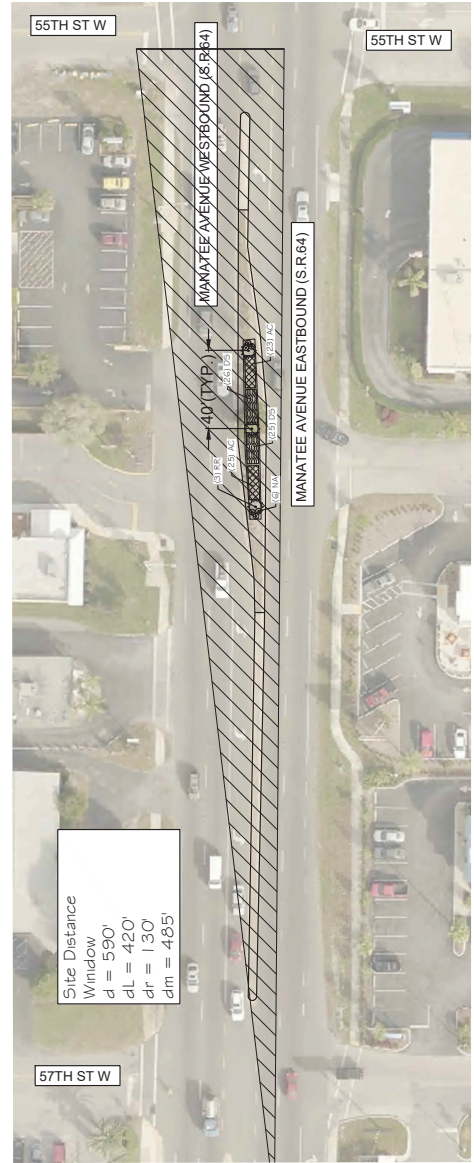
LOCATED AT:
 MANATEE AVENUE
 BRADENTON, FL
 SECTION 29
 TOWNSHIP 6 S
 RANGE 18 E
 MANATEE COUNTY, FLORIDA



LANDSCAPE PLAN
L.3

PLANT SCHEDULE MEDIANS C, D, E

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT.	CAL.	SIZE	REMARKS
	PE	4	Psychotria elegans / Alexander Palm	25 gal	NA	8' Ht.	Matched Ht. single trunk
	RR	11	Roystonia regia / Royal Palm	8 & B	NA	4' gw	Matched Ht. heavy trunk
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT.			
	NA	30	Neoregelia ampullacea / Bromeliad	3 gal			
	GA	12	Queenia arvensis / Bournealid	3 gal			
	TP	22	Tradescantia virginiana / Purple Spiderwort	3 gal			6" Ht., 12" spd
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT.			
	AC	169	Alamanda cathartica / Dwarf Alamanda	3 gal			24" o.c., 12" Ht., 12" spd
	DS	172	Diplazium sanctae / Brazilian Jasmine	3 gal			24" o.c., 12" Ht., 12" spd



REVISIONS:

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**MANATEE AVENUE IMPROVEMENTS
 LANDSCAPE IMPROVEMENTS**

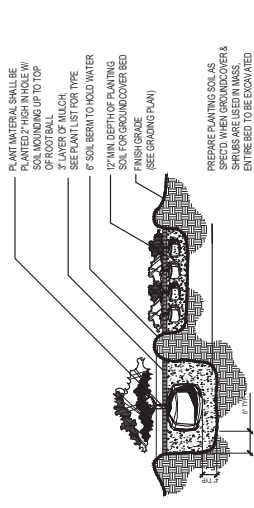
LOCATED AT:
 MANATEE AVENUE
 BRADENTON, FL
 SECTION 29
 PLANTING AREA 1 & 2
 MANATEE COUNTY, FLORIDA



**LANDSCAPE
 NOTE, DETAILS**

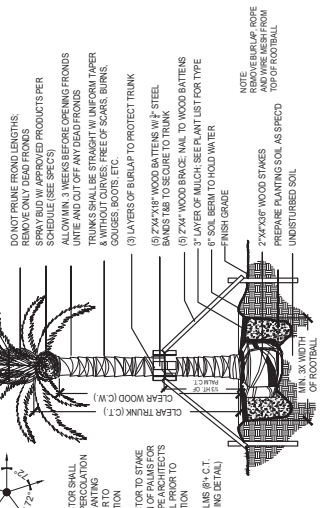
L.4

NOTE:
 CONTRACTOR SHALL
 ASSURE PERFORATION
 OF ALL PLANTING POTS PRIOR
 TO INSTALLATION



1 Shrub & Groundcover Planting
 Scale: N.T.S.

NOTE:
 CONTRACTOR SHALL
 ASSURE PERFORATION
 OF ALL PLANTING POTS
 PRIOR TO
 INSTALLATION



2 Palm Planting
 Scale: N.T.S.

LANDSCAPE NOTES:

- In the event of variation between quantities shown on these plans and the quantities shown on the contract documents, the quantities shown on these plans shall govern.
- Contractor shall be responsible for obtaining all necessary permits and for the cost of such permits.
- No substitutions shall be made without the written consent of the Owner or Landscape Architect.
- Fertilizer shall be applied to all new planting areas at a rate of 1 lb/100 sq. ft. of planting area. The fertilizer shall also contain all micronutrient elements suitable for the area where it is to be used.
- All shrub bed soil mixes shall contain 20% best of on-site topsoil and 10% peat with 80% of super-absorbent mixed in with each cubic yard. Shrub beds shall be between 6.5 and 7.5 following plant installation. It shall be the Landscape Contractor's responsibility to achieve the proper pH level.
- Topsoil material, when called for on the plans, shall be free of sticks, stones larger than 1" dia., plants, or any other debris which would be toxic or harmful to plant growth. Topsoil should be tested (each site) for a naturally healthy chandler.
- The Landscape Contractor shall take all necessary precautions to protect all existing structures on the site and shall be held responsible for any damage caused by his operations.
- It shall be the Landscape Contractor's financial responsibility to prevent damage to existing structures on the site and shall be held responsible for any damage which is caused at no additional cost to the owner for a sustained wind of less than 65 MPH.
- Maintenance shall begin after each plant has been installed and shall continue until final acceptance by the Landscape Architect. Maintenance shall include watering, weeding, and pruning. The contractor shall be responsible for watering (including cost of equipment such as a water truck) and any other care which is needed for the proper growth of the plant material.
- Excess waste material shall be removed daily from the site.
- All plant materials used shall conform to the standards for Florida No. 1 or better as described in "Grades and Standards for Nursery Plants," State of Florida, Department of Agriculture and Consumer Services, Division of Plant Industry, 2012 edition or equal levels as approved by the Landscape Architect.

PLANT SCHEDULE TOTAL

TREES	CODE	QTY	BOTANICAL/COMMON NAME	CONT.	CALL	SIZE	REMARKS
Tree Icon	PE	4	Pythomegna elegans / Alexander Palm	25 gal	N/A	8' H/L	Matched; light trunk
Tree Icon	RR	19	Royaltone wrightii / Royal Palm	8 & 6	N/A	4' gw	Matched; heavy trunk
SHRUBS	CODE	QTY	BOTANICAL/COMMON NAME	CONT.			
Shrub Icon	NA	36	Nerangia ampelocera / Bonetail	3 gal			
Shrub Icon	OA	46	Oranienbaum / Bonetail	3 gal			
Shrub Icon	TP	82	Tournefortia parviflora / Purple Spynewart	3 gal	6" H/L, 14" gpd		
SHRUB AREAS	CODE	QTY	BOTANICAL/COMMON NAME	CONT.			
Shrub Area Icon	AC	246	Alamanda cathartica / Dwarf Alamanda	3 gal	24" oc., 12" H/L, 12" gpd		
Shrub Area Icon	DS	266	Diplazium warfieldii / Brazilian Jasmine	3 gal	24" oc., 12" H/L, 12" gpd		