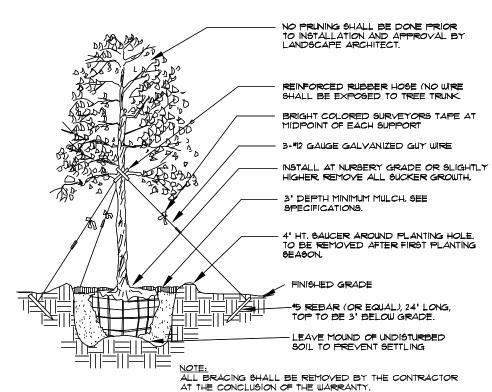
Planting Details



Tree Planting

• SEE SPECIFICATIONS FOR BACKFILL MIXTURE AND FERTILIZATION
• BRACING - SPECIAL SITE CONDITIONS MAY REQUIRE MODIFICATION TO BRACING TECHNIQUE.

LANDSCAPE CONTRACTOR WILL ADEQUATELY BRACE (OR WIRE) ALL TREES TO PREVENT EXCESSIVE MOVEMENT & MAINTAIN A VERTICAL POSITION.

TIE HEADS OF PALMS WITH BURLAP STRIPS.

DO NOT TRIM FRONDS OR BUD HEART
UNLESS OTHERWISE SPECIFIED.

**SECURE BATTENS WITH 2-3/4' HI-CARBON
STEEL BANDS. DO NOT NAIL BATTENS TO
TREES.

**STEEL BANDS (2)*

5 LAYERS OF BURLAP
5-2'x4'x16' WOOD BATTENS

3' MINIMUM MULCH. SEE SPECIFICATIONS.

4' HT. SAUCER AROUND PLANTING HOLE TO BE
REMOVED AFTER FIRST GROWING SEASON.
FINISHED GRADE

2'x4'x24' STAKE PAD BURIED 3'
BELOW GRADE.

FILL AROUND BALL WITH CLEAN SAND

NOTE:
ALL BRACING SHALL BE REMOVED BY THE CONTRACTOR
AT THE CONCLUSION OF THE WARRANTY.

Palm Planting

APPLIES TO: SABAL PALMS, WASHINGTON PALMS, CANARY ISLAND DATE PALMS, SENEGAL DATE PALMS

• SEE SPECIFICATIONS FOR BACKFILL MIXTURE AND FERTILIZATION

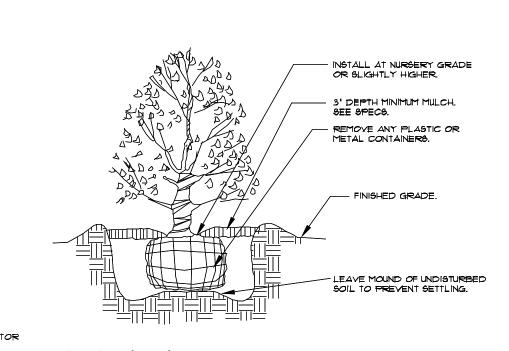
SECURE BATTENS WITH 2-3/4' HI-CARBON STEEL BANDS, DO NOT NAIL BATTENS TO TREES. 9TEEL BANDS (2) 5 LAYERS OF BURLAP 5-2'x4'x16' WOOD BATTENS 3' DEPTH MINIMUM MULCH, SEE SPECIFICATIONS, 4' HT. SAUCER AROUND PLANTING HOLE TO BE REMOVED AFTER FIRST GROWING SEASON. FINISHED GRADE 2"x4'x24' STAKE PAD BURIED 3' BELOW GRADE. FILL AROUND BALL WITH CLEAN SAND INSTALL AT NURSERY GRADE OR SLIGHTLY HIGHER NOTE: ALL BRACING SHALL BE REMOVED BY THE CONTRACTOR

Palm Planting

APPLIES TO: ROYAL PALMS, QUEEN PALMS, ALEXANDER PALMS, FOXTAIL PALMS.

• SEE SPECIFICATIONS FOR BACKFILL MIXTURE AND FERTILIZATION

• BRACING: SPECIAL SITE CONDITIONS MAY REQUIRE MODIFICATION TO BRACING TECHNIQUE. LANDSCAPE CONTRACTOR WILL ADEQUATELY BRACE ALL PALMS TO PREVENT EXCESSIVE MOVEMENT AND MAINTAIN



Shrub Planting

SEE SPECIFICATIONS FOR BACKFILL MIXTURE AND FERTILIZATION.

Plant Specifications

SPECIES AND SIZE shall conform to those indicated on the drawings. Nomenclature shall conform to STANDARDIZED PLANT NAMES, current edition. All nursery stock shall be in accordance with Florida Grades and Standards for Nursery Plants, latest edition published by the Florida Department of Agriculture and Consumer Services. All plants not otherwise specified as being Florida Fancy or Specimen, shall be Florida Grade Number 1 or better as determined by the Florida Division of Plant Industry. Specimen means an exceptionally heavy, symmetrical, tightly knit plant, so trained or favored in its development that first appearance is unquestionable and outstandingly superior in form, number of branches, compactness and symmetry.

GENERAL REQUIREMENTS

All plants shall be freshly dug, sound, healthy, vigorous, well branched, and free of disease and insect eggs and larvae, and shall have adequate root systems. Trees for planting rows shall be uniform in size and shape. All materials shall be subject to approval by the Landscape Architect. Where any requirements are omitted from the plant list, the plants furnished shall be normal for the variety. Plants shall be pruned prior to delivery only upon the approval of the Landscape Architect.

CONTAINER GROWN STOCK

All container grown material shall be healthy, vigorous, well rooted plants, and established in the container in which they are sold. The plants shall have tops which are good quality and in a healthy growing condition. An established container grown plant shall be grown in that container sufficiently long enough for the new fibrous roots to have developed so that the root mass will retain its shape and hold together when removed from the container. Plant root bound in containers are unacceptable.

MEASUREMENTS

rees: Height shall be measured from ground to the top most portion of the tree. Small, multi-trunked trees are measured to the top of main body of the crown. Spread shall be measured to the end of branching equally around the crown from the center of the trunk Measurements are not to include any terminal growth. Single trunk trees shall be free of "Y" crotches that could be points of weak limb structure or disease infestation.

Shrubs: Heights shall be measured from the ground to the average points where mature plant growth stops. Spread shall be measured to the end of branching equally around the shrub mass.

length of the unopened bud. Palms with marred or burned trunks will not be accepted.

Measurements are not to include any terminal growth.

Clear Trunk (C.T.), shall be measured from the ground at the time of installation to the point where the mature aged trunk joins the immature or green portion of the trunk or the head.

Overall height (O.H.), shall be measured from the ground at the time of installation to a point three quarters the

SOIL

Planting soil for use in preparing backfill for plant pits shall be free from heavy clay, stones, lime, plants, roots or other foreign materials or noxious grasses (such as Bermuda or nut grass) and noxious weeds. It shall not contain toxic substances which may be harmful to plant growth.

COMMERCIAL FERTILIZER

Two fertilizer shall be used in all types of plantings, except palms. Granular fertilizer shall be uniform in composition, dry and free flowing. This fertilizer shall be delivered to the site in the original unopened bags, each bearing the Manufacturer's statement of analysis, and shall meet the following requirements: sixteen (16%) percent nitrogen, seven (7%) percent phosphorus, twelve (12%) percent potassium, plus iron. Tablet fertilizer ("Agriform" or equal) in 21 gram size shall meet the following requirements: twenty (20%) percent nitrogen, ten (10%) percent phosphorous, five (5%) percent potassium.

The two fertilizers will be applied at the following rates:

2 lbs/l" caliper

"Florida East Coast Palm Special" will be applied to all palms at installation at a rate of 1/2 lb. per inch of trunk caliper unless otherwise specified.

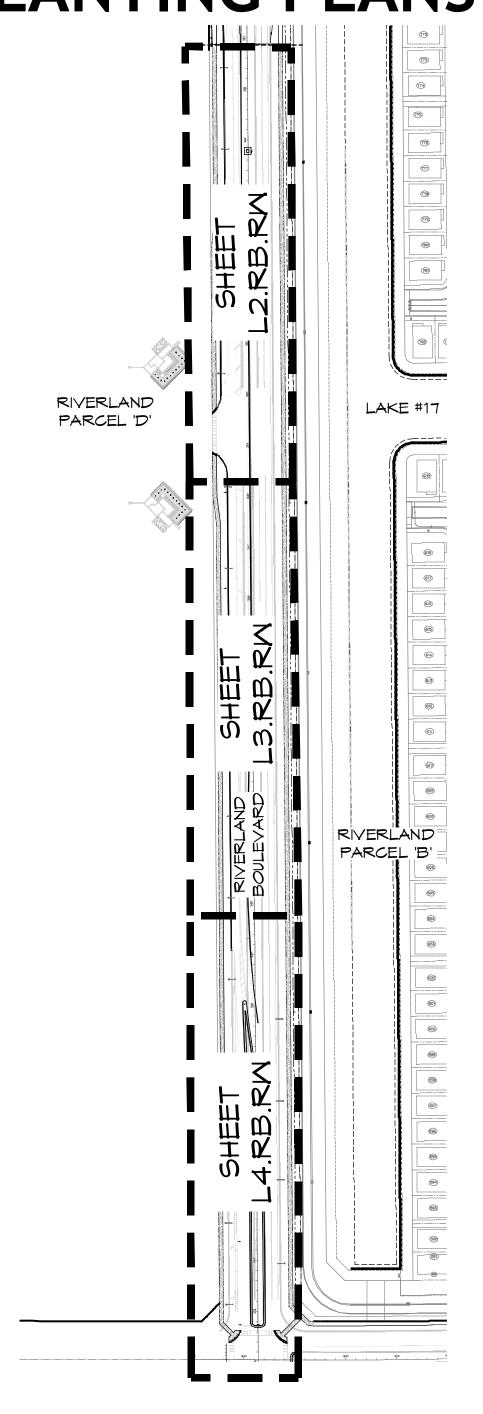
Mulch material shall be three (3) inches of shredded Class 'A' mulch (sterilized and free of seeds), moistened at the time of application to prevent wind displacement. See plant list for specification.

I"-6" caliper

No substitutions of plant material types or size will be allowed without written consent of the Landscape Architect. B&B material will not be accepted as substitute for container grown material unless previously approved. Alternate substitutions shall be indicated in bid.

RIVERLAND BOULEVARD AT RIVERLAND PARCEL 'D'

(RIVERLAND MPUD)
PLANTING PLANS



Planting Plans for:

Sheet L1.RB.RW COVER SHEET, DETAILS, AND SPECIFICATIONS

Sheet L2.RB.RW RIVERLAND BOULEVARD RIGHT-OF-WAY PLANTING PLANS

Sheet L3.RB.RW RIVERLAND BOULEVARD RIGHT-OF-WAY PLANTING PLANS

Sheet L4.RB.RW RIVERLAND BOULEVARD RIGHT-OF-WAY PLANTING PLANS

General Notes

1.) ALL PLANT MATERIAL TO BE FLORIDA NO. 1 OR BETTER AND SHALL MEET OR EXCEED MINIMUM STANDARDS SET FORTH IN FLORIDA GRADES AND STANDARDS, CURRENT EDITION.
2.) A MINIMUM 50% OF ALL REQUIRED TREES (25% OF ALL SHRUBS) SHALL BE NATIVE SPECIES. A MAXIMUM OF 25% OF REQUIRED TREES MAY BE SUBSTITUTED WITH PALMS.
3.) TREES ARE TO BE INSTALLED WITH A TEN FOOT (101) MINIMUM SEPARATION FROM ANY UNDERGROUND PIPE (WATER, SEWER OR RECLAIM MAINS AND/OR SERVICES, HYDRANTS, LIFT STATIONS, AND DRAINAGE CULVERTS OR BASINS). IN NO CASE SHALL A TREE ENCROACH INTO A PSLUE WITHOUT PRIOR PSLUSD APPROVAL. ONLY SOD CAN BE INSTALLED WITHIN 5' OF A FIRE HYDRANT. SEE PSLUSD NOTES FOR ADDITIONAL INFORMATION.

4.) STREET TREES SHOWN HEREON ARE CONCEPTUAL IN NATURE AND MAY BE FIELD ADJUSTED TO MAINTAIN PROPER CLEARANCE FROM REQUIRED IMPROVEMENTS INCLUD DRIVEWAYS. TREES TO BE INSTALLED WITH A MINIMUM TEN FOOT (10') SEPARATION FROM ANY UNDERGROUND UTILITY UNLESS OTHERWISE APPROVED.
5.) PER PSL CODE OF ORDINANCES SECTION 158.204, PLANTING LOCATED WITHIN THE 25' SAFE SIGHT TRIANGLE AT INTERSECTIONS (OR TEN (10) FEET FROM THE EDGE OF A

DRIVEWAY OR ALLEY) MUST MAINTAIN A CLEAR ZONE BETWEEN TWO (2) AND SIX (6) FEET FROM THE CROWN OF ROAD.

6.) REGULAR MAINTENANCE SHALL PERFORMED ON ALL ROYAL PALMS AND COCONUT PALMS AS SHOWN HEREIN TO A LEVEL THAT SIGNIFICANTLY REDUCES THE LIKELIHOOD OF ANY INDIVIDUAL OR COLLECTIVE PART(S) WHICH MAY CAUSE INJURY OR DAMAGE FROM FALLING INTO A ROAD RIGHT-OF-WAY OR ONTO ANY PEDESTRIAN OR VEHICLE USE AREA.

1.) ALL LANDSCAPED AREAS REQUIRING IRRIGATION SHALL BE PROVIDED WITH A FULLY AUTOMATED IRRIGATION SYSTEM THAT PROVIDES 100 PERCENT COVERAGE WITH 100

PERCENT OVERLAP WITH A MINIMUM DESIGN DISTRIBUTION UNIFORMITY (D.W.) OF .70
8.) ATTENTION LANDSCAPE CONTRACTOR: TREES PLANTED IN LOCATIONS OTHER THAN THOSE SHOWN MAY INTERFERE WITH UNDERGROUND PIPE - BEFORE CHANGING LOCATIONS, VERIFY UNDERGROUND AND PROVIDE ROOT-BARRIER AS SPECIFIED ON DETAILS SHEET OR ELIMINATE TREE AS DEEMED NECESSARY. CONFLICTS REQUIRING DEVIATION FROM PLANS MUST BE BROUGHT TO THE ATTENTION OF HE LANDSCAPE ARCHITECT OF RECORD.
8.) QUANTITIES ON PLANT LIST ARE FOR CONFENCION ONLY THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON PLANTS WHEN DISCREPANCIES OCCUR.

9.) QUANTITIES ON PLANT LIST ARE FOR CONVENIENCE ONLY. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON PLANTING PLANS. WHEN DISCREPANCIES OCCUR BETWEEN PLANT LIST AND PLANTING PLANS, THE PLANS ARE TO OVERRIDE THE PLANT LIST IN ALL CASES. 10.) ALL LANDSCAPING SHALL BE KEPT IN A HEALTHY GROWING CONDITION AT ALL TIMES.

THE LOCATIONS OF TREES AS SHOWN ON THESE PLANS ARE APROXIMATE. THE FINAL LOCATIONS MAY BE FIELD ADJUSTED TO ACCOMMODATE UNFORSEEN FIELD CONDITIONS TO COMPLY WITH SAFETY SETBACKS, AVOID UTILITIES, OR AS OTHERWISE DIRECTED OR APPROVED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL FLAG ALL TREE LOCATIONS FOR THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

PSLUSD Notes:

LANDSCAPE PLANS SHALL BE SUBMITTED FOR THE PROJECT INDICATING THE LOCATION OF LANDSCAPE AREAS, PERIMETER WALLS, FOUNDATIONS, BERMS, TREE WELLS, FENCES, GATES, SIGNS, DECORATIVE ROCKS, SCULPTURE, FOUNTAINS, AND ANY OTHER FEATURES THAT MAY INFLUENCE THE LOCATION OF WATER / WASTEWATER / RECLAIMED WATER FACILITIES: ALSO, EXISTING AND PROPOSED WATER / WASTEWATER / RECLAIMED FACILITIES, AND RIGHT-OF-WAY, LOT LINES AND ALL EASEMENT INFORMATION, SHOWING OFFICIAL RECORD BOOK AND PAGE NUMBER SHALL BE INCLUDED. THE PLANS SHALL INCLUDE AND CONFIRM TO THE FOLLOWING STANDARD NOTES:

I. NO LANDSCAPING SHALL BE PLANTED IN A MANNER THAT WOULD ADVERSELY AFFECT UTILITY EASEMENTS. LANDSCAPING SHALL BE IN COMPLIANCE WITH CHAPTER 154 OF THE CITY OF PORT ST. LUCIE CODE OF ORDINANCES, PSLUSD TECHNICAL SPECIFICATIONS AND POLICIES.

2. ALL LANDSCAPING WITHIN CITY UTILITY EASEMENTS SHALL COMPLY WITH PSLUSD TECHNICAL SPECIFICATIONS, POLICIES, AND CODES.

3. ALL LANDSCAPING SHALL MEET THE LATEST PSLUSD LANDSCAPE POLICY AND SHALL NOT BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.

4. TREES SHALL NOT BE PLANTED WITHIN TEN (10) FEET OF ANY PSLUSD UNDERGROUND INFRASTRUCTURE. WITH THE EXCEPTION OF FOXTAIL PALMS, TREES SHALL NOT BE PLANTED WITHIN 10' OF ANY PSLUSD INFRASTRUCTURE. AS SPECIFICALLY APPROVED BY THE PSLUSD, FOXTAIL PALMS MAY BE A DISTANCE NOT LESS THAN SEVEN (1') FEET OF ANY PSLUSD INFRASTRUCTURE. ALL MEASUREMENTS ARE FROM OUTSIDE TO OUTSIDE, NOT CENTERLINE TO CENTERLINE. EXAMPLE: OUTSIDE OF PIPE TO NEAREST POINT ON TREE TRUNK.

5. NO LANDSCAPING OTHER THAN SOD GRASSES SHALL BE LOCATED WITHIN 5' OF A PSLUSD APPURTENANCE SUCH AS A WATER METER ASSEMBLY, BACK-FLOW DEVICE, FIRE HYDRANT OR SEWER CLEANOUT, ETC.

Symbols Legend

D.E.	DRAINAGE EASEMENT	O.E.	OVERHANG EASEMENT
L,M,E.	LAKE MAINTENANCE EASEMENT	G.E.	GRADING EASEMENT
L.M.A.E.	LAKE MAINTENANCE ACCESS EASEMENT	PSL	PORT ST LUCIE
R.O.W.	RIGHT OF WAY	L.E.	LANDSCAPE EASEMENT
U.E. U.FR.A.	UTILITY EASEMENT UTILITY EASEMENT - RESTRICTED AREA	D.S.E.	DRAINAGE SWALE EASEMENT
O.L. IV.A.	(SEE "U.E." PLAT DEDICATION)	0.S.	OPEN SPACE
STM 👸	STORM SEWER LINE WITH MANHOLE	S&M	SEED & MULCH
STM 🗓	STORM SEWER LINE WITH MANIFOLE STORM SEWER LINE WITH CATCH BASIN		
SAN 💮	SANITARY SEWER LINE WITH MANHOLE		SIGN
MM M	WATER MAIN		
FM	FORCE MAIN	(1)	LOT NUMBER
4/	WATER OVE TO LOT WITH METER		FIRE HYDRANT
	WATER SVC, TO LOT WITH METER W.M.		TINETHORANT
			STREET LIGHT
	SANITARY SVC. TO LOT WITH CLEANOUT		

RIVERLAND BLVD AT PARCEL D DATA TABLE

	Trees Required	Palms Allowed (25%)	Palms Provided	Shade Trees Provided	Total Trees/Palms Provided	Native Trees Required (50%)	Native Trees Provided
COMMUNITY BLVD AT PARCEL D - TREES	88.4 ⁽¹⁾	22	58	133	155 ⁽²⁾	44.2	109 (123%)

 $^{(1)}$ 2575 LF OF ROADWAY WITH LARGE TREES (AVG SPACING AT 60' O.C.) = 42.9 TREES 1084 LF OF ROADWAY WITH MEDIUM TREES (AVG SPACING AT 50' O.C.) = 21.6 TREES

957 LF OF ROADWAY WITH SMALL TREES/PALMS (AVG SPACING AT 40' O.C.) = 23.9 TREES

42.9 TREES + 21.6 + 23.9 TREES = **88.4 TREES REQUIRED**BALANCE OF ROADWAY IS NOT PLANTABLE SPACE DUE TO INTERSECTIONS, TURN LANES, AND FUTURE MEDIAN OPENINGS.

(2) TOTAL TREES /PALMS PROVIDED: 133 SHADE TREES PROVIDED + 22 PALMS ALLOWED (25%) = **155 TOTAL TREES/PALMS PROVIDED**.

36 ADDITIONAL PALMS WERE PROVIDED IN EXCESS OF THE 25% ALLOWED BY CODE AND WERE NOT USED TO MEET THE TOTAL NUMBER OF TREES REQUIRED.

PSL PROJECT NO. P22-210 PSLUSD PROJECT NO. 5268-1



PARKER •YANNET design group, inc.

LANDSCAPE ARCHITECTURE
PLANNING • GRAPHICS

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Jupiter, Florida 33458

VERLAND BOULEYARD
VERLAND PARCEL D
RT ST. LUCIE, FLORIDA

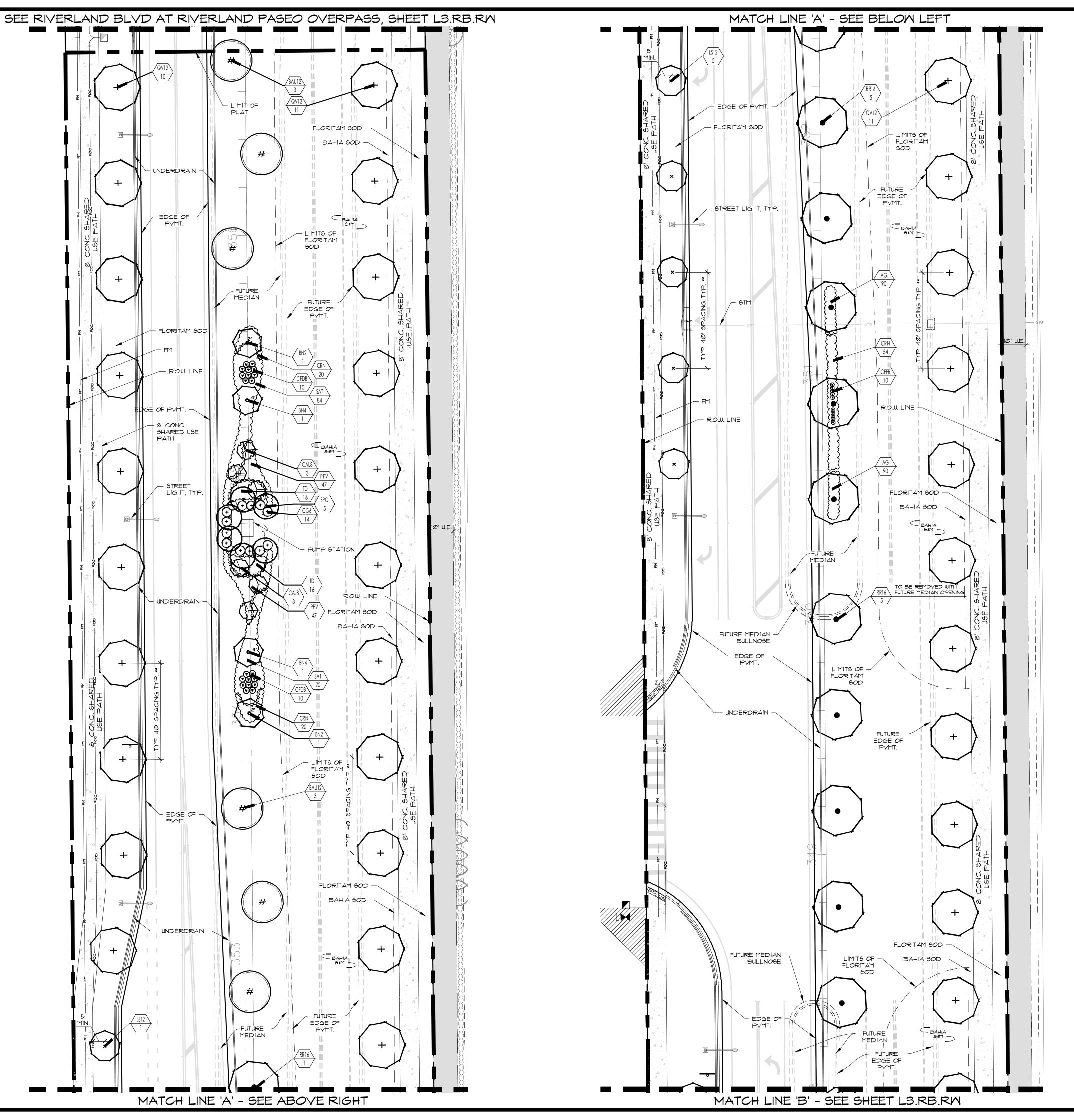
REVISIONS:
2.10.23 Resubmittal
2.23.23 Add irr pump stn.
2.29.23 PSL cmnts
3.30.23 PSL cmnts

DRAWN BY: AJO/WAY JOB NO.: 17-077

FILENAME: RVr MHOA

SCALE:

SHEET:

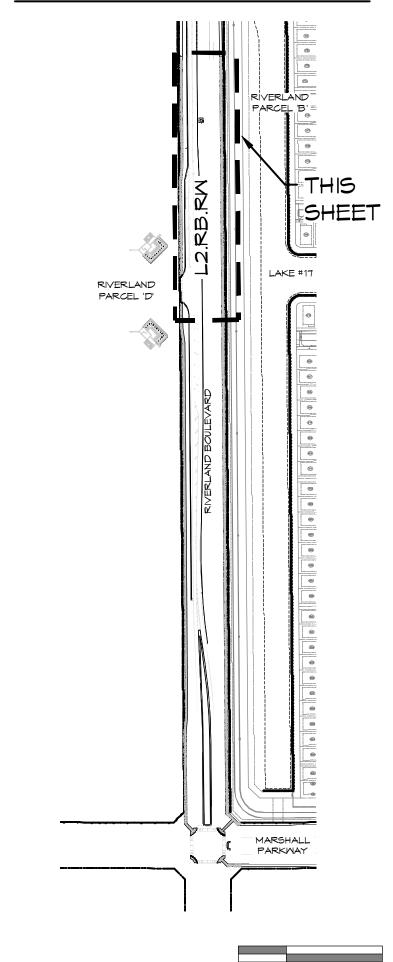


SYMBOL	BOTANICAL / COMMON NAME	SPECIFICATION	
TREES			
BAU12	Bauhinia blakeana / Hong Kong Orchid	12' × 6', 2.5" cal., 25 gal., full canopy	6
CAL8	Calliandra haematocephala / Powder Puff	8' ht., 15 gal., full canopy	6
L512	Lagerstroemia speciosa / Queen's Crape Myrtle	12' ht., 2.5" cal., 25 gal., full canopy	
QV12	Quercus virginiana / Live Oak	12' x 6', 2.5" cal., 25 gal., full canopy	
PALMS			
BN2	Bismarckia nobilis / Bismarck Palm	1'-2' c.t., heavy cal., full frond	
BN4	Bismarckia nobilis 'Silver' / Silver Bismarck Palm	4' c.t., heavy cal., full frond	
RR16	Roystonea regia / Royal Palm	16' gw., heavy cal., full frond	
SPC	Sabal palmetto / Cabbage Palm	6' - 22' c.t. hts., staggered hts., hurricane cut, slick trunk, curved as noted on plan	5
SHRUBS, ACCEN	TS, AND GROUNDCOVER		
AG	Arachis glabrata / Perennial Peanut	Solid panels, laid tight, Qty in SF	
CFDB	Cordyline fruticosa 'Dr. Brown' / Ti Plant	7 gal., 32" x 28", full	
CFFR	Cordyline fruticosa 'Fairchild Red' / Ti Plant	3 gal., 22" x 18", full	
CG6	Clusia guttifera / Small Leaf Clusia	25 gal., 6' x 4', full to base., dense	14
CRN	Clusia rosea 'Nana' / Dwarf Pitch Apple	3 gal., 14 × 18", full, 18" o.c.	94
PPV	Pennisetum purpureum 'Vertigo'	3 gal., 20 x 14", full	94
SAT	Schefflera arboricola 'Trinette' / Variegated Dwarf Schefflera	3 gal., 22 x 20", full	154
TD	Tripsacum dactyloides / Fakahatchee Grass	3 gal., 24" x 22", full, 30" o.c.	32
SOD	Stenotaphrum secundatum / St. Augustine 'Floratam'	Solid sod, laid tight, Qty in SF	
BAHIA SOD	Paspalum notatum / Bahia Grass	Solid sod, laid tight, Qty in SF	
MULCH	Chocolate Mulch	2" Thick 'A' Grade Raw Wood Mulch, CHOCOLATE color - BID PER CY	

-ALL PLANT MATERIAL SHALL MEET OR EXCEED SIZE AND CONTAINER SPECIFICATIONS IN PLANT LIST. PLANT MATERIALS NOT MEETING SPECIFICATION WILL BE REJECTED. CONTRACTOR TO COORDINATE AVAILABILITY ISSUES WITH OWNER PRIOR TO COMMENCING WORK. -ALL TREE BRACING TO BE REMOVED BY THE CONTRACTOR AT THE CONCLUSION OF THE WARRANTY.

** TREES SPACED AT 40' O.C. TYPICAL. 50' MAXIMUM IN THE EVENT OF INFRASTRUCTURE CONFLICT.





10' 0 20' PSL PROJECT NO. P22-210 PSLUSD PROJECT NO. 5268-1

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DATE: 7.6.22 DRAMN BY: AJO/WAY JOB NO.: 17-077 SCALE: 1" = 20'-0" FILENAME: RYP MHOA

REVISIONS: 2.10.23 Resubmittal 2.23.23 Add irr pump stn. 2.29.23 PSL cmnts 3.30.23 PSL cmnts

