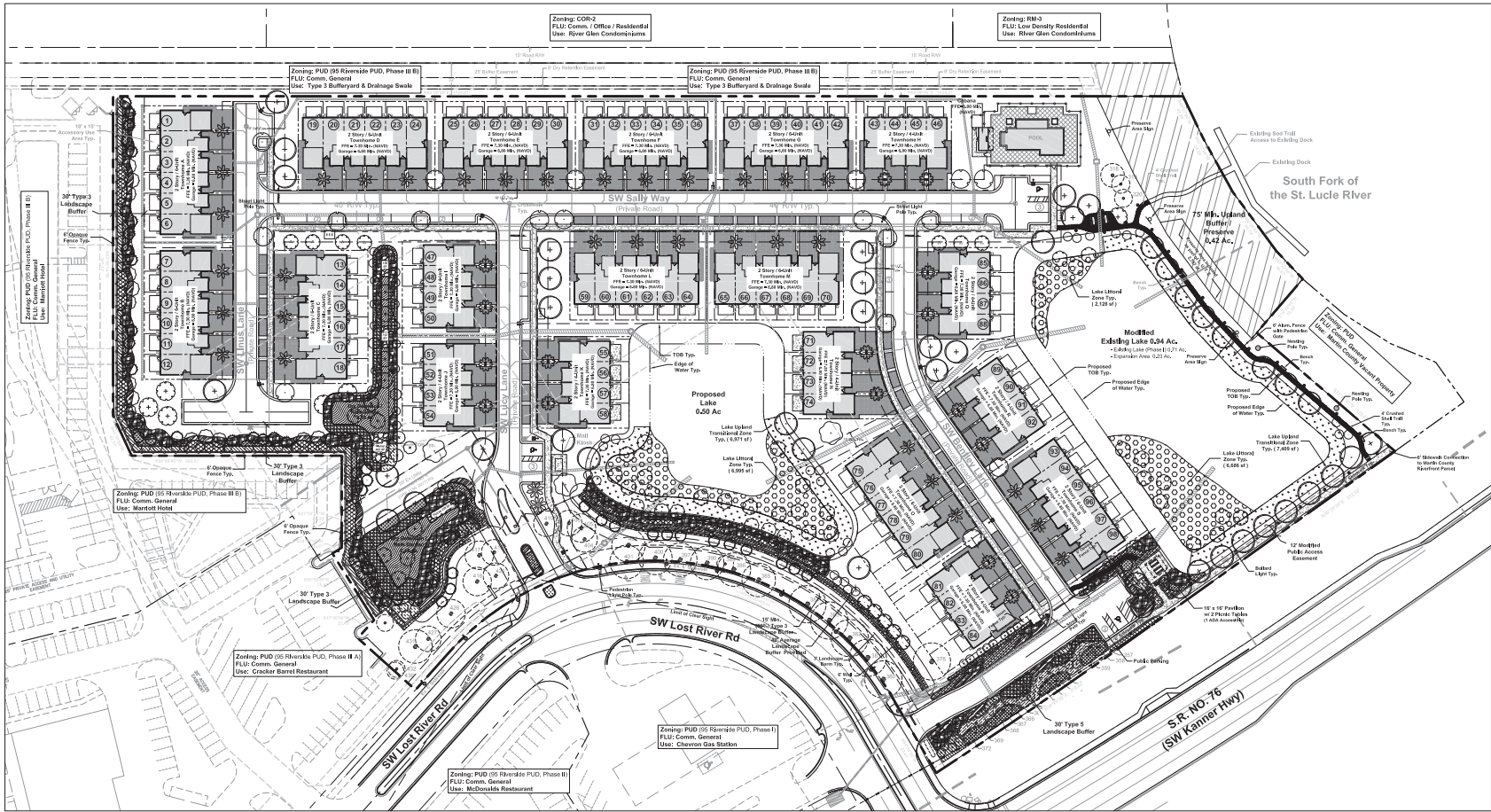




Landscape Data / Requirements

Proposed Use: Single Family Townhomes

Overall Landscape Requirement:

1 Tree per 3,000 sf of Site Area	
Sec. 4.661.B.1 - "Construction of a single-family or duplex residence shall require the planting of one tree per three thousand square feet of site area and those three shall comply with the standards set forth in section 4.664, LDR."	
Total Site Area	12,40 Ac. / 540,224 sf
75' Upland Buffer / Preserve Area	0.42 Ac. / 18,354 sf
Remaining Developed Area	11.98 Ac. / 521,870 sf
Overall Site Trees Required: (521,870 sf / 3,000 sf)	174 Trees
Total Trees Provided:	385 Trees
Required Landscape Area (20% of Developed Area)	
Total Developed Area	521,870 sf
Area Required: (521,870 sf x 20%)	104,374 sf
Area Provided:	217,969 sf

Lake Littoral / Upland and Transitional Zone Requirement :

Total Lake Linear Footage: 1,554 LF	
Lake Littoral Zone:	
Area Required: (1,554 LF X 10 sf)	15,540 sf
Area Provided:	15,809 sf
Trees Required: (15,540 sf / 500 sf)	31 Trees
Trees Provided:	31 Trees
Upland Transitional Zone:	
Area Required: (1,554 LF X 10 sf)	15,540 sf
Area Provided:	17,087 sf
Trees Required: (15,540 sf / 500 sf)	31 Trees
Trees Provided:	32 Trees
(25 Trees + 121 Palms @ 3:1)	

Buffer Requirements:

Type 3 Buffer - West & South Property Adjacent to Ex. Commercial	
A 30-foot-wide landscape strip with a 4-foot-high opaque fence or wall. At least one tree and 34 shrubs shall be provided for every 300 square feet of required buffer. Trees must be at least 14 feet in height with a three-inch caliper and staggered for maximum opacity.	
Total LF:	742 LF
Trees Required: (22,260 SF / 300)	75 Trees
Trees Provided:	75 Trees
(25 Trees + 121 Palms @ 3:1)	
Shrubs Required: (22,260 SF / 300 x 34)	
Shrubs Provided:	2,523 Shrubs
Type 3 Buffer - South Property Adjacent to SW Lost River Rd.	
Sec. 4.663.B.5 - The buffer width requirements of section 4.663.B.1 may be reduced by 50 percent for development which is separated from an adjacent use by a public street, right-of-way of 60 feet or more in width.	
A 50% Type 3 Buffer / 15-foot-wide minimum landscape strip (42' Provided) with a 4-foot-high opaque fence or wall. At least one tree and 34 shrubs shall be provided for every 300 square feet of required buffer. Trees must be at least 14 feet in height with a three-inch caliper and staggered for maximum opacity.	
Total LF:	505 LF
Trees Required: (7,575 SF / 300)	26 Trees
Trees Provided:	39 Trees
(24 Trees + 116 Palms @ 3:1)	
Shrubs Required: (7,575 SF / 300 x 34)	
Shrubs Provided:	859 Shrubs
Type 5 Buffer - Adjacent to SW Kanner Hwy	
A 30-foot-wide landscape strip with at least three trees and 34 shrubs for every 300 square feet of required buffer. Trees must be at least 14 feet in height with a three-inch caliper and staggered for maximum opacity.	
Total LF:	253 LF
Trees Required: (7,590 SF / 300 x 3)	76 Trees
Trees Provided:	100 Trees
Within Buffer:	
34 Trees (22 Trees + 12 Palms @ 3:1)	
60 Trees (21 Trees + 116 Palms @ 3:1)	
Throughout Site: (on interior areas along roadways & around public areas) (see notes)	
Shrubs Required: (7,590 SF / 300 x 34)	
Shrubs Provided:	860 Shrubs
Total Required Trees:	
Total Provided Trees:	239 Trees
Trees:	227 Trees
Palms @ 3:1 Ratio:	
Palms @ 2:1 Ratio:	52 Trees (157 Palms @ 3:1)
Palms @ 2:1 Ratio:	26 Trees (52 Palms @ 3:1)
Tree Preservation Credits	
131 Tree Credits	

Type 5 Buffer - Adjacent to SW Kanner Hwy	
A 30-foot-wide landscape strip with at least three trees and 34 shrubs for every 300 square feet of required buffer. Trees must be at least 14 feet in height with a three-inch caliper and staggered for maximum opacity.	
Total LF:	253 LF
Trees Required: (7,590 SF / 300 x 3)	76 Trees
Trees Provided:	100 Trees
Within Buffer:	
34 Trees (22 Trees + 12 Palms @ 3:1)	
60 Trees (21 Trees + 116 Palms @ 3:1)	
Throughout Site: (on interior areas along roadways & around public areas) (see notes)	
Shrubs Required: (7,590 SF / 300 x 34)	
Shrubs Provided:	860 Shrubs
Total Required Trees:	
Total Provided Trees:	239 Trees
Trees:	227 Trees
Palms @ 3:1 Ratio:	
Palms @ 2:1 Ratio:	52 Trees (157 Palms @ 3:1)
Palms @ 2:1 Ratio:	26 Trees (52 Palms @ 3:1)
Tree Preservation Credits	
131 Tree Credits	

Tree Replacement Data

Total Tree Replacement Credits Required	147 Credits
Total Tree Replacement Credits Provided	305 Credits
2" Cal. Native Trees Provided	55 Credits (55 Trees @ 1 Credit each)
3" Cal. Native Trees Provided	250 Credits (125 Trees @ 2 Credits each)

Tree Requirements

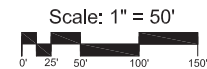
Species Mix Required:	= 5
Species Mix Provided:	= 17
Max. Palm Trees - No more than 30% of Required Trees:	
Max. Palms Allowed: (239 Trees x 30%)	= 72 Trees
Palm Provided:	= 52 Trees (22%)
(157 palms @ 3:1)	

Native Plant Requirement

Trees (75% of Required trees)	
Required: (239 trees x 75%)	179 Trees (75%)
Provided:	232 Trees (97%)
(180 trees + 157 palms @ 3:1)	
Shrubs (75% of Required shrubs) (4,242 shrubs x 75%)	
Required:	3,181 Shrubs (75%)
Provided:	3,408 Shrubs (80%)
Ground covers (50% of Provided GC)	
Required: (3,130 GC x 50%)	1,565 GC (50%)
Provided:	3,038 GC (97%)

Legend

	Existing Trees to be Preserved (on-site)
Note: See Existing Protected Tree Chart on Sheet LP-1 for more information regarding trees to be preserved or removed.	
	Street Light Pole Type.
	Pedestrian Light Pole Type.
	Bollard Light Pole Type.



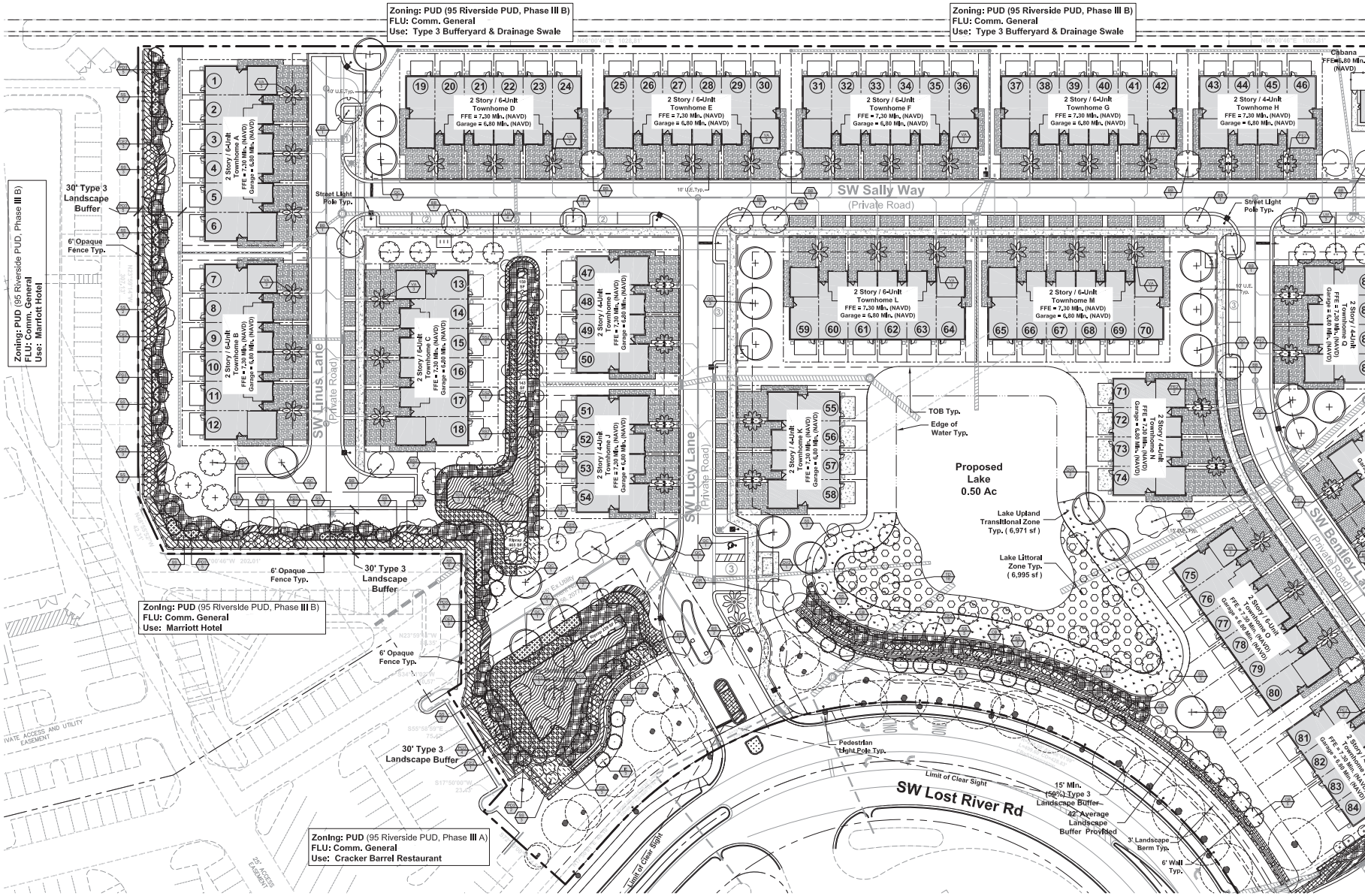
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95 Riverside PUD / Pulte I-95

Florida
Martin County
Overall Landscape Plan

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Job No.	2021-46
Drawn By	TT
Checked By	MH
Approved By	MH
Submittal Dates	4-15-22
Revision Dates	10-07-22 3-31-23
Revision Dates	XXXXXX

LP-2

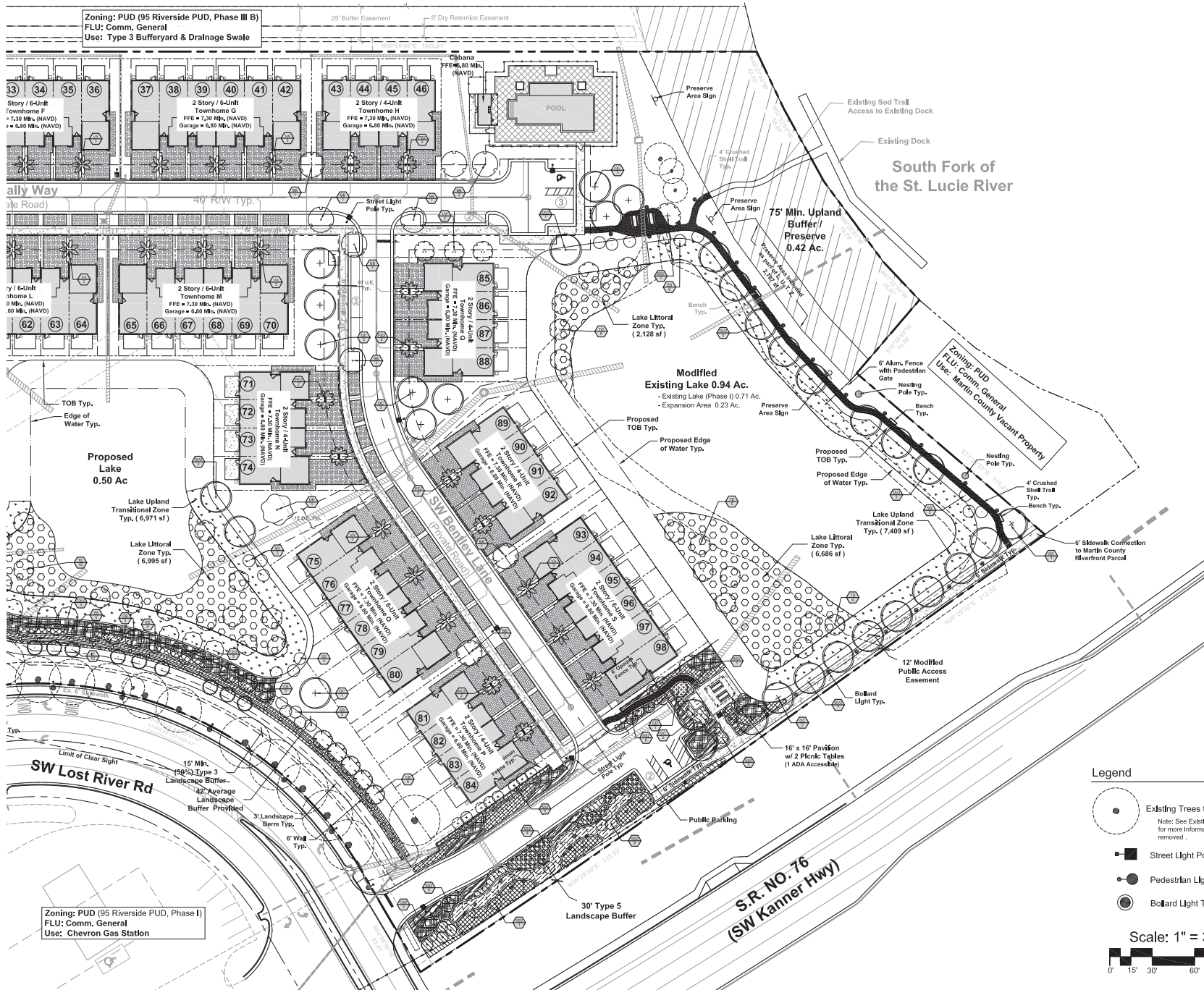


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Florida
 Martin County
 Landscape Tree Plan

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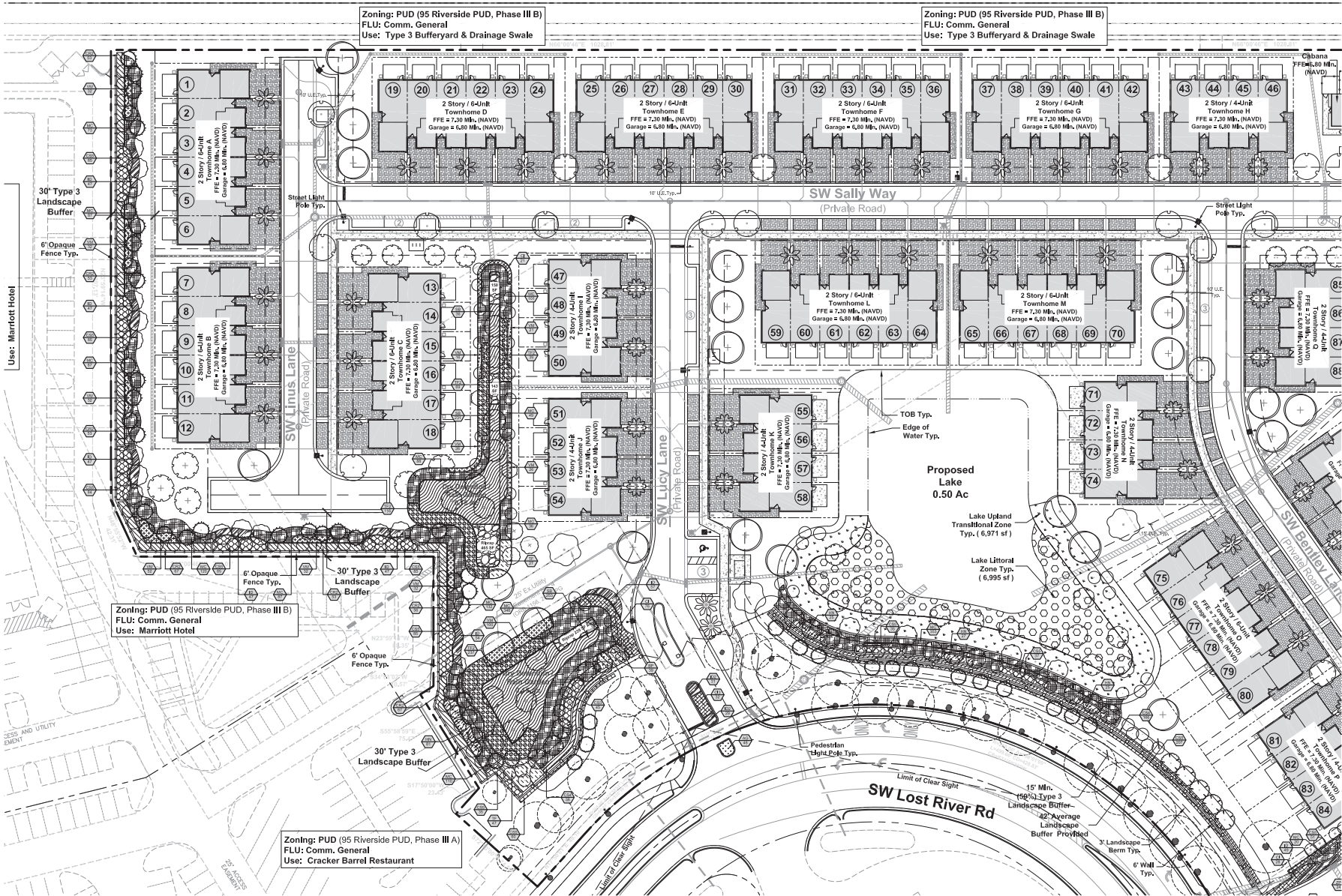
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Florida
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 Submit Dates 4-15-22
 10-07-22 3-31-23
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LP-4



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Florida

Martin County
 Landscape Shrub Plan

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Drawn By	TT
Checked By	MH
Approved By	MH
Submittal Dates	4-15-22
Revision Dates	10-07-22 3-31-23
	XXXXXXXX

LP-5

[illegible]

ALL PLANT MATERIALS SHALL BE PLANTED AND MAINTAINED IN A NATURAL ARRANGEMENT.

LITTORAL PLANTING ESTABLISHMENT SHALL BE COMPLETED ON STABILIZED SLOPES CONFORMING TO GRADES SET FROM CONTROL ELEVATION AND THE APPROVED CONSTRUCTION DRAWINGS.

PLANT SPECIES MAY BE SUBSTITUTED WITH SIMILAR NATIVE SPECIES INDIGENOUS TO THE REGION BASED ON AVAILABILITY FROM LOCAL NATIVE NURSERIES.

THE LITTORAL ZONE SHALL CONSIST OF NATIVE VEGETATION AND SHALL BE MAINTAINED PERMANENTLY AS PART OF THE WATER MANAGEMENT SYSTEM, ALL LANDSCAPING LITTORAL ZONE REVEGETATION PLANS AND LAKE MANAGEMENT PLANS SHALL COMPLY WITH THE APPROVED CONSTRUCTION DRAWINGS AND SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE COUNTY ENGINEER AND THE COMMUNITY DEVELOPMENT DEPARTMENT.

5. THE SLOPES OF CONSTRUCTED LAKE FROM THE TOP OF THE BANK TO THE CONTROL ELEVATION SHALL BE IMMEDIATELY STABILIZED AND /OR SOODED TO THE SATISFACTION OF THE GROWTH MANAGEMENT DEPARTMENT UPON COMPLETION OF THE LAKE CONSTRUCTION.

PLANTING PIT DEPTH SHALL EQUAL DEPTH OF ROOT BALL PLUS 4" FOR EXISTING LAYER OF COMPACTED BACKFILL. PLANTING PIT WIDTH SHALL BE TWICE DIAMETER OF ROOT BALL

BACKFILL AROUND ROOTBALL AS SPECIFIED

PLANT TOP OF ROOTBALL EVEN WITH OR SLIGHTLY HIGHER THAN FINISHED GRADE

PLACE ROOTBALL AT BOTTOM OF PLANTING PIT ON 6" LAYER OF COMPACTED BACKFILL

SHRUB / GROUND COVER PLANTING DETAIL

3. Tree Protection Barikades shall be erected prior to the commencement of any work. All Barikades shall be made of heavy timber and shall be constructed in accordance with the following:
- a. Barikades must be constructed around the **critical protection areas** of each tree or cluster of trees.
4. During periods of development and construction, the areas within the **critical protection areas** of preserved trees shall be marked with their **critical signs** with permanent landscape markers. Within these areas, there shall be:
 - A. No trampling or cutting of trees;
 - B. No **any** compaction or removal of soil;
 - C. No use of concrete, paint, chemicals or other foreign substances.
5. Barikades shall be constructed of a yellow or high density polyethylene square grid mesh fence with min. height of 4 feet. Fencing shall be secured to posts with nylon cable ties at the top and bottom and shall be placed around the tree or cluster of trees. The fence shall be approved by the City of Los Angeles' Growth Management Department. Posts shall be spaced a max. of 8' on C.

1. Adequate irrigation of landscaped areas shall be provided for the first full growing season and continue thereafter only as necessary to maintain required vegetation in good and healthy condition.
2. Irrigation systems shall conform to the following standards: Irrigation systems shall be continuously maintained in working order and shall be designed not to overlap water zones or to water impervious areas.
3. No irrigation systems shall be installed or maintained abutting any public street which causes water from the system to overspray onto the roadway or to overlap water zones or to water impervious areas.
4. Irrigation Water Source: TBD

TREE SCHEDULE							
CODE TREES		CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NATIVE	
		B5	3	<i>Bumelia nana</i> / Silver / Silver Blomk Palm (21 Tree Ratio)	6' GW, Hyi Trunk, Full Head, Root Pruned	No	
		B6	18	<i>Budda buxiana</i> / Shady Lady / Shady Lady Black Olive	3' -3.2' Cal, 14' H, M, S, 5.4' d.	No	
		CB	19	<i>Calophyllum brasiliense</i> / Brazilian Beautyleaf	3' -3.2' Cal, 14' H, M, S, 5.4' d.	No	
		CE2	25	<i>Coccolarpus erectus</i> / Green Buttonwood	3' -3.2' Cal, 14' H, M, S, 5.4' d.	Yes	
		CR	3	<i>Dalmanella regia</i> / Royal Palmdale	3' -3.2' Cal, 14' H, M, S, 5.4' d.	No	
		EE	15	<i>Elaeagnus alternata</i> / Elegendon / Elegendon Holly	3 - 3.2' Cal, 14' H, M, S, 5.4' d.	Yes	
		LM	7	<i>Leguminosae indica</i> / Mistletoe / Grape Myrtle	12' H, 4-5' Spr, Multitrunk	No	
		PD3	38	<i>Pinus densata</i> Dwarf / Shish Pine	3' -3.2' Cal, 14' H, M, S, 5.4' d.	Yes	
		PE2	15	<i>Psychopasma elegans</i> / Alexander Palm (3:1 Tree Ratio)	10 - 12' ct, Double Full Head, Hyi Trunk	No	
		QV2	19	<i>Quercus virginiana</i> / Southern Live Oak	2' Cal, 10' H, M, S, 4.6' d.	Yes	
		SS	91	<i>Sabal palmetto</i> / Sabal Palm (3:1 Tree Ratio)	23 @ 15' ct, 23 @ 15' ct, 23 @ 21' ct, 22 @ 24' ct. (100% Silk Trunks) (25 Total with Slight Reserve)	Yes	
		TD	31	<i>Taxodium distichum</i> / Bald Cypress	2' Cal, 10' H, M, S, 4.6' d.	No	
		VA	33	<i>Walteria aneche</i> / Montgomery Palm (21 Tree Ratio)	11 - 12' ct, Single Full Head, Hyi Trunk	No	
	CODE TREES - TYPE S BUFFERYARD						
			AR2	5	<i>Acer rubrum</i> / Florida Flame / Florida Flame Red Maple	3' -3.2' Cal, 14' H, M, S, 5.4' d.	Yes
		B52	7	<i>Bursera simaruba</i> / Gumbo Limbo	3' -3.2' Cal, 14' H, M, S, 5.4' d.	No	
		CD	1	<i>Coccolarpus distanthii</i> / Pigeon Plum	3' -3.2' Cal, 14' H, M, S, 5.4' d.	Yes	
		CE5	3	<i>Coccolarpus erectus</i> / Green Buttonwood	3' -3.2' Cal, 14' H, M, S, 5.4' d.	Yes	
		CS6	3	<i>Coccolarpus erectus sericeus</i> / Silver Button Wood	10 - 12' H, Multitrunk	Yes	
		CS2	2	<i>Coccolarpus erectus sericeus</i> / Silver Button Wood	2' Cal, 10' H, M, S, 4.6' d.	No	
		QC	27	<i>Quercus virginiana</i> / Cathedral / Cathedral Live Oak	3' -3.2' Cal, 14' H, M, S, 5.4' d.	Yes	
		SS2	68	<i>Sabal palmetto</i> / Sabal Palm (3:1 Tree Ratio)	16 @ 15' ct, 17 @ 15' ct, 17 @ 21' ct, 16 @ 24' ct. (100% Silk Trunks)	Yes	
		TD3	6	<i>Taxodium distichum</i> / Bald Cypress	3' -3.2' Cal, 14' H, M, S, 5.4' d.	Yes	

SHRUB SCHEDULE

[illegible]

LAKE LITTORAL & UPLAND TRANSITIONAL PLANT SCHEDULE

LITTORAL PLANTING

Juncus effusus / Common Rush
Nymphaea aquatica / Floating Hearts
Pontederia cordata / Pickerel Weed
Sagittaria latifolia / Duck Potato

UPLAND TRANSITIONAL ZONE

Chrysobalanus Icaco 'Horizontal' / Coco Plum
Muhlenbergia capillaris / Pink Muhly Grass
Spartina bakeri / Sand Cordgrass

- | | |
|--|---------|
| 1. All trees and landscape materials shall conform to the standards for Hortic 100, as given in the codes of the Department of Agriculture, Forestry and Fisheries, and the Department of Agriculture and Consumer Services. | 6. Tree |
| 2. Alternative plant species for required landscape may be permitted subject to review and approval by the Martin County Growth Management Department prior to installation. | 6. Tree |
| 3. All prohibited exotic or invasive species shall be removed from the entire site prior to the issuance of a Certificate of Occupancy. | 6. Tree |
| 4. No Cypress Mulch is to be used on site. <i>Eucalyptus</i> or <i>Melaleuca</i> Mulch is to be used by a 30" container layer (in all planting beds). | 6. Tree |
| 5. This plan has been designed to meet the three planting requirements contained within the FPL document entitled "Plant for the Environment: Right Place". For existing or proposed conditions, no tree shall be planted where it is located at a mature height conflict with overhead power lines. | 6. Tree |
| 6. All trees shall be planted in the three planting rows shall be planted no closer than 10' from the horizontal distance of 30' from the mature overhead power lines. | 6. Tree |
| 7. Medium height trees (height at maturity between 20' and 30') shall be offset at least 20' and small trees (height at maturity less than 20') require no offset. | 6. Tree |
| 8. No tree shrubs, shrubs or vines shall be planted within 5' of an existing or proposed utility pole, guy wire or pedestrian crossing. | 6. Tree |
| 9. Palms should be planted at a distance equal to or greater than the average floor length plus two (2) feet from power lines. | 6. Tree |

4. Tree species shall be selected so as to minimize conflicts with existing or proposed utilities.
5. Encroachments into required buffer yards and landscape areas by vehicles, boats, mobile homes or trailers shall not be permitted, and required landscape areas shall not be used for the storage of materials or products or the parking of vehicles and equipment.
6. The property owner, or successors in interest, or agent, if any, shall be jointly and severally responsible for the following:
 - A. Regular maintenance of landscaping to be kept alive and in good condition and in a way that presents a healthy appearance, including but not limited to: watering, fertilizing, pruning, weeding, mulching, pest, weed, and disease control.
 - B. Maintenance shall include weeding, watering, fertilizing, pruning, mowing, edging, mulching and other maintenance that is needed to keep the landscaping in good condition.
 - C. Repair or replacement of required walls, fences, or structures to a structurally sound condition.
 - D. Repair or replacement of required trees, shrubs, or plants to a structurally sound condition.
 - E. Repair or replacement of required landscaping to a structurally sound condition.
 - F. Repair or replacement of required landscaping to the pre-establishment of harmful exotic species with landscaping and care that meets the minimum standards of the City of Portland.
7. Enhanced landscaping beyond minimum requirements shall conform to all applicable sections of the Maricopa County Growth Management with Certification of Landscaping Installation and Maintenance.



Riprap Rock Bed Typ.
(See Locations shown on

Type: 4" - 6" Riprap Rock
Total Quantity: 997 sf
Depth: 8" - 10"
Note: Contractor to provide weed mat



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Landscape Specifications

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Job No. 2021-46
 Drawn By TT
 Checked By MH
 Approved By MH
 Submittal Dates 4-15-22
10-07-22 3-31-23
 Revision Dates XXXXXX

LP-7