

TREE PERMIT SUBMITTAL PLANS

REVISIONS		DESCRIPTION
DATE	BY	

LAOR  
 Leticia Fernandez-Beraud, RLA  
 LA6666720  
**FERNANDEZ-BERAUD, INC.**  
 Landscape Architecture and Planning

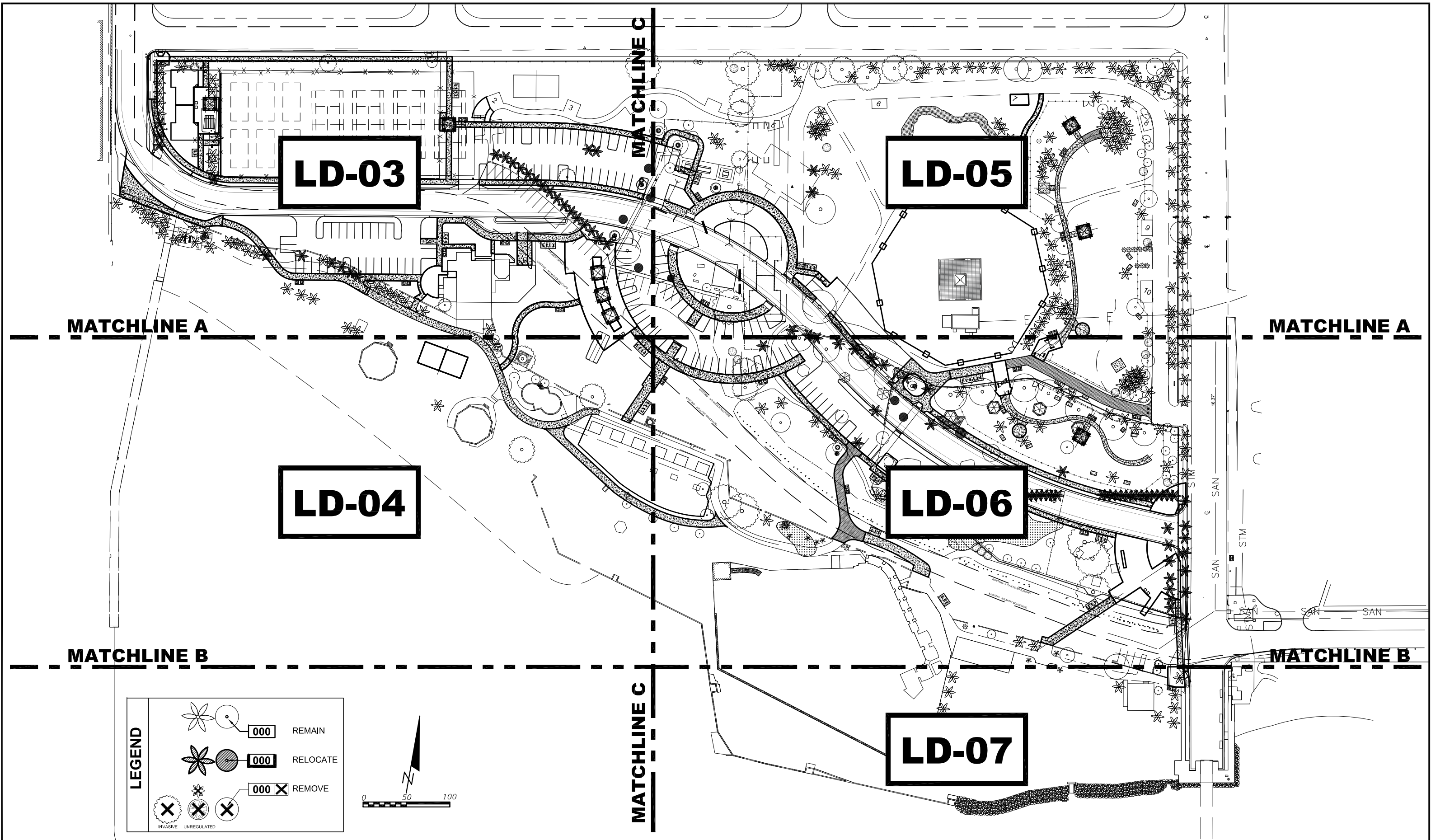


**MONROE COUNTY**  
 PUBLIC WORKS/ENGINEERING DIVISION  
 1100 Simonton Street, Suite 2-231  
 Key West, Florida 33040  
 (305) 292-4560 FAX (305) 292-4558

**MONROE COUNTY**  
 PUBLIC WORKS/ENGINEERING DIVISION  
 PROJECT NAME  
**RELOCATION OF ATLANTIC BOULEVARD**

**OVERALL TREE DISPOSITION PLAN**  
 TREE PERMIT  
 04.10.2017

SHEET NO.  
**LD-01**



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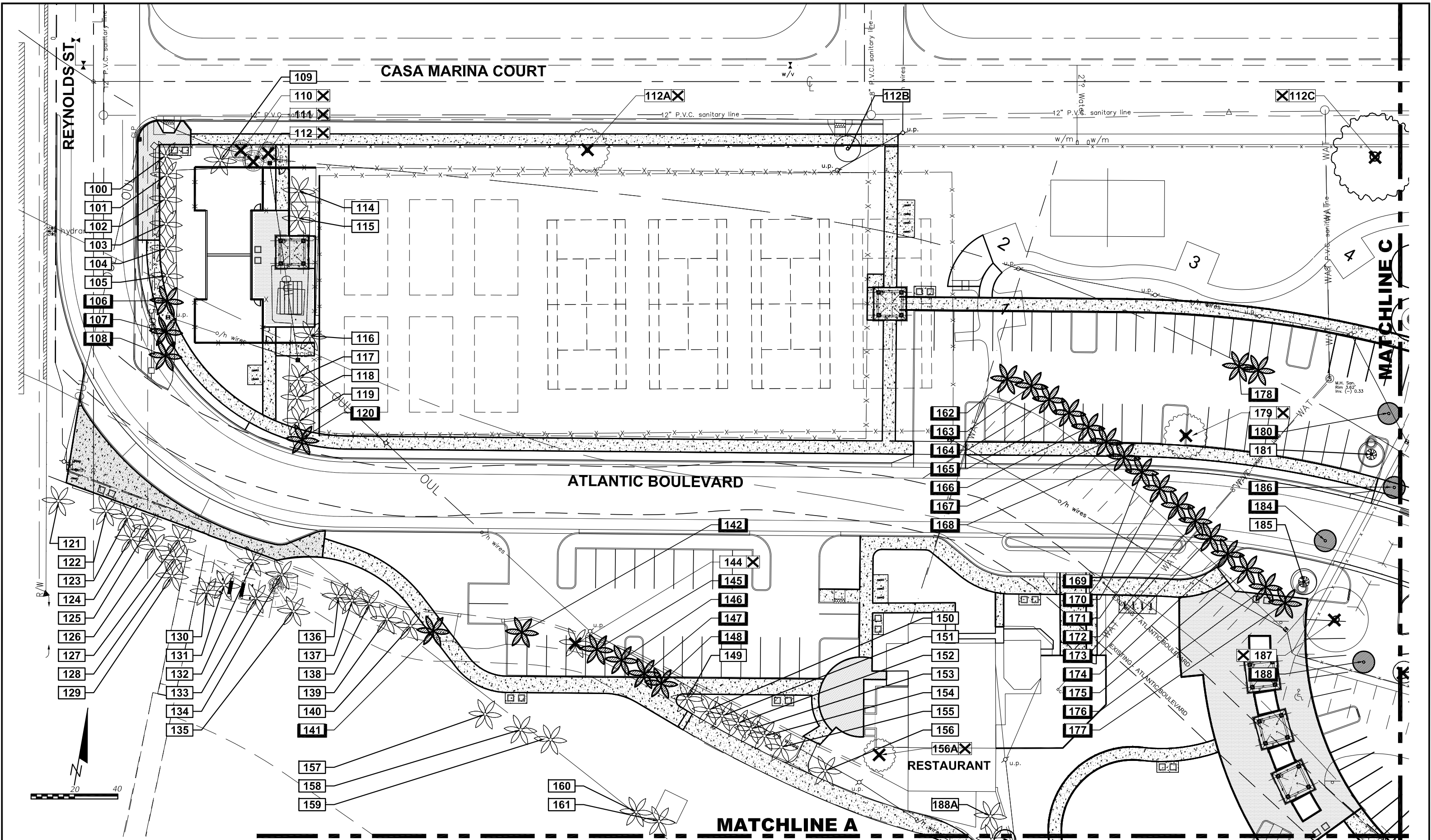


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**RELOCATION OF ATLANTIC BOULEVARD**

**TREE DISPOSITION - KEY PLAN**  
 TREE PERMIT  
 04.10.2017

SHEET NO.  
**LD-02**



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 Key West, Florida 33040  
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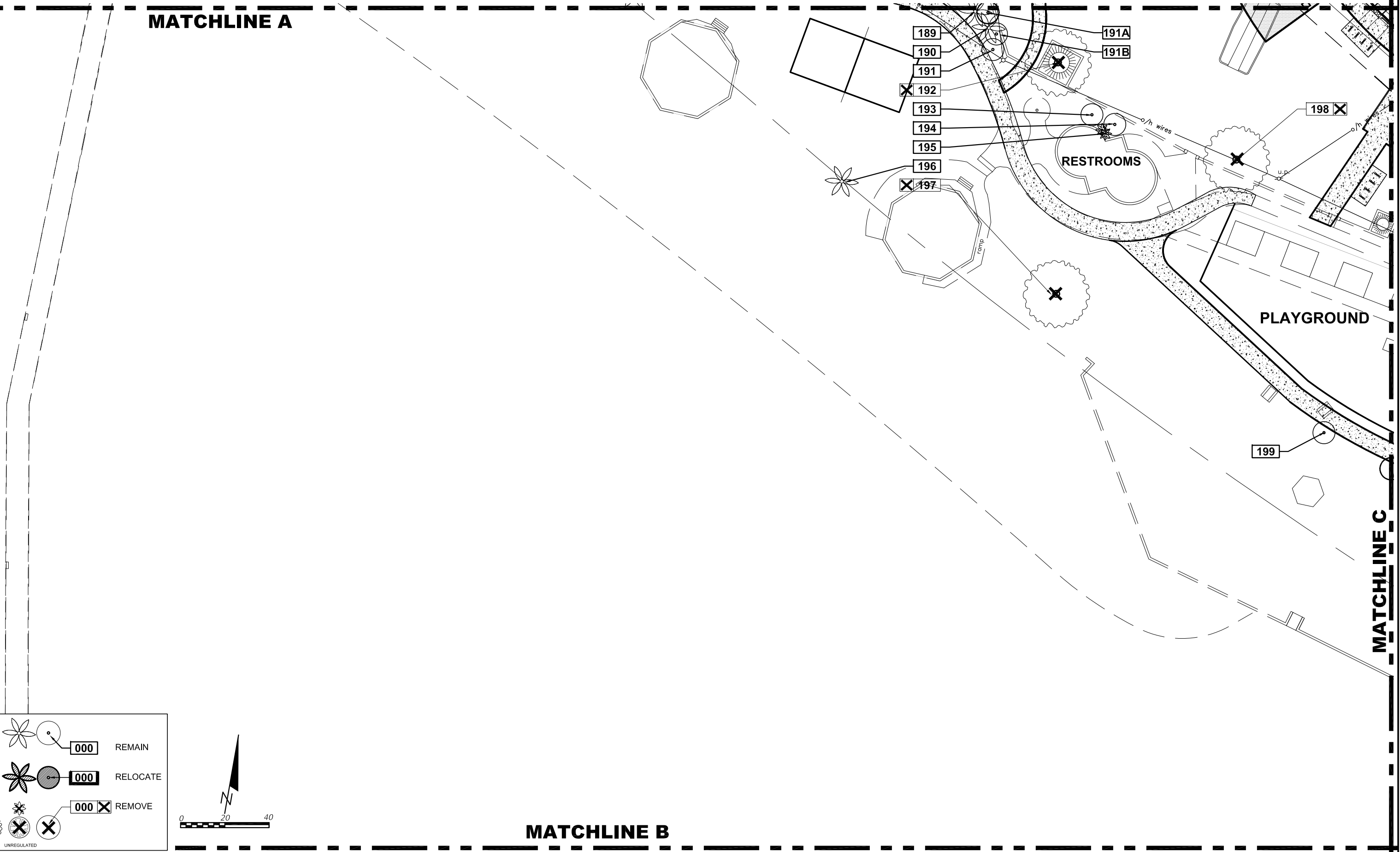
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**TREE PERMIT**  
**TREE DISPOSITION PLAN**  
 04.10.2017

SHEET NO.  
**LD-03**

TREE PERMIT SUBMITTAL PLANS

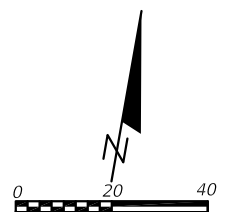
**MATCHLINE A**



**MATCHLINE C**

**LEGEND**

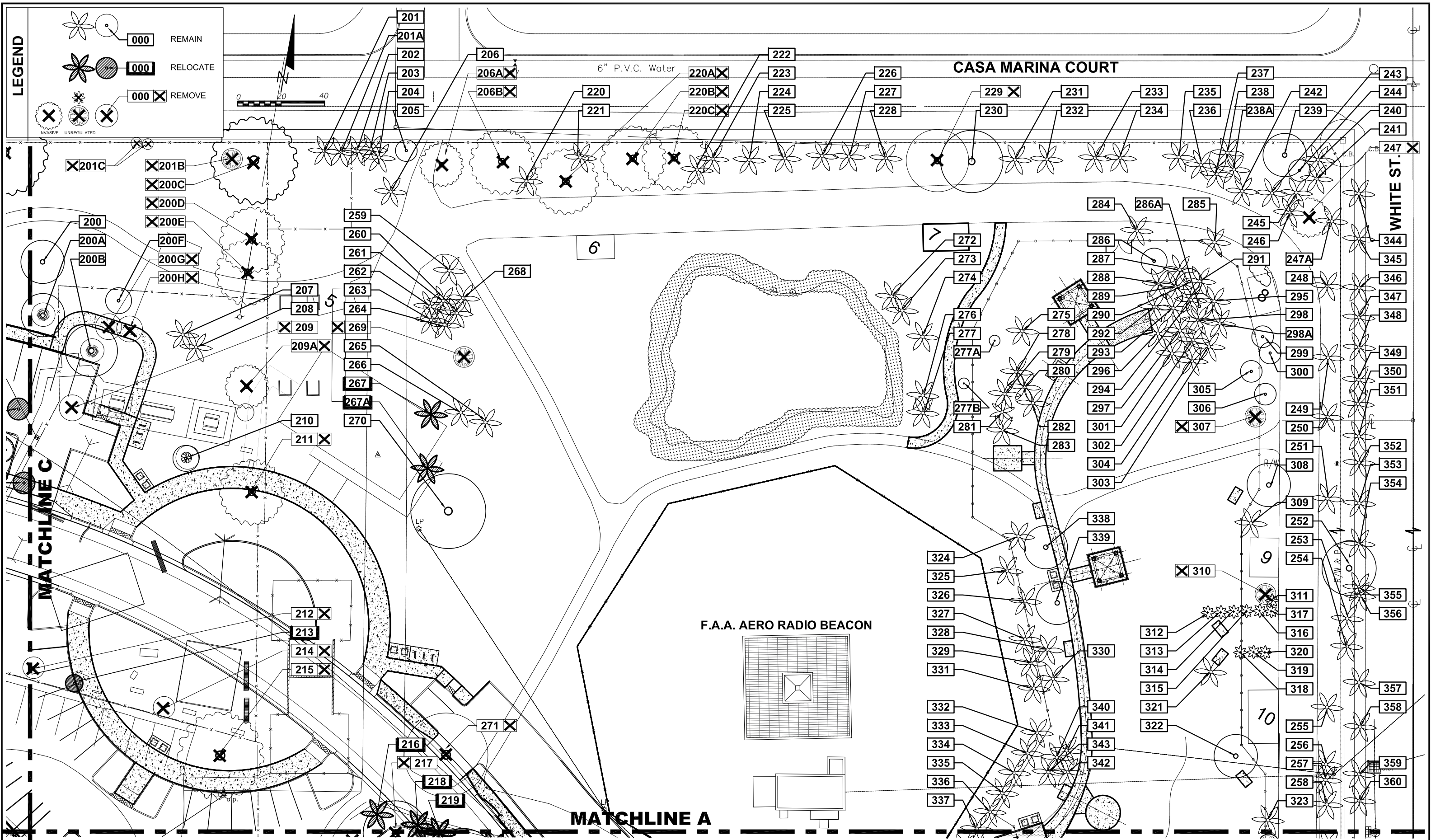
- REMAIN
- RELOCATE
- REMOVE
- INVASIVE UNREGULATED



**MATCHLINE B**

<p><b>REVISIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">DATE</th> <th style="width: 15%;">BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			DATE	BY	DESCRIPTION				<p>LAOR</p> <p>Leticia Fernandez-Beraud, RLA LA6666720</p> <p><b>FERNANDEZ-BERAUD, INC.</b> Landscape Architecture and Planning</p>		<p><b>MONROE COUNTY</b> PUBLIC WORKS/ENGINEERING DIVISION</p> <p>1100 Simonton Street, Suite 2-231 Key West, Florida 33040 (305) 292-4560 FAX (305) 292-4558</p>	<p><b>MONROE COUNTY</b> PUBLIC WORKS/ENGINEERING DIVISION</p> <p>PROJECT NAME</p> <p><b>RELOCATION OF ATLANTIC BOULEVARD</b></p>	<p><b>TREE DISPOSITION PLAN</b></p> <p>TREE PERMIT</p> <p style="text-align: right;">04.10.2017</p>	<p>SHEET NO.</p> <p><b>LD-04</b></p>
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TREE PERMIT SUBMITTAL PLANS



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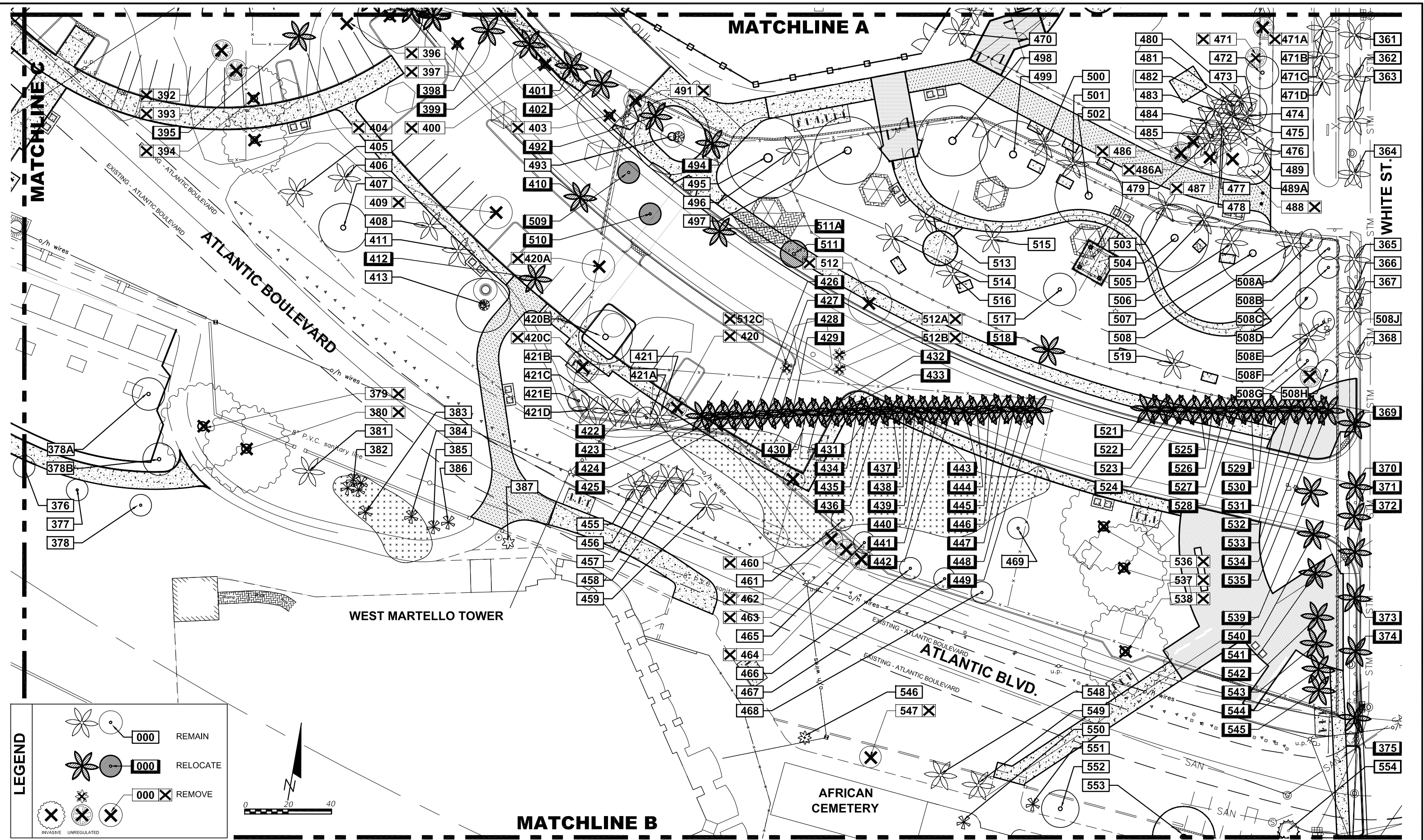
**MONROE COUNTY**  
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**TREE PERMIT**  
**TREE DISPOSITION PLAN**  
 04.10.2017

SHEET NO.  
**LD-05**

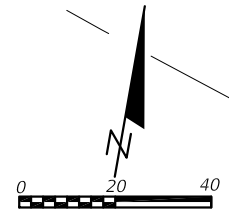
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TREE PERMIT SUBMITTAL PLANS



**LEGEND**

- 000 REMAIN
- 000 RELOCATE
- 000 REMOVE
- INVASIVE
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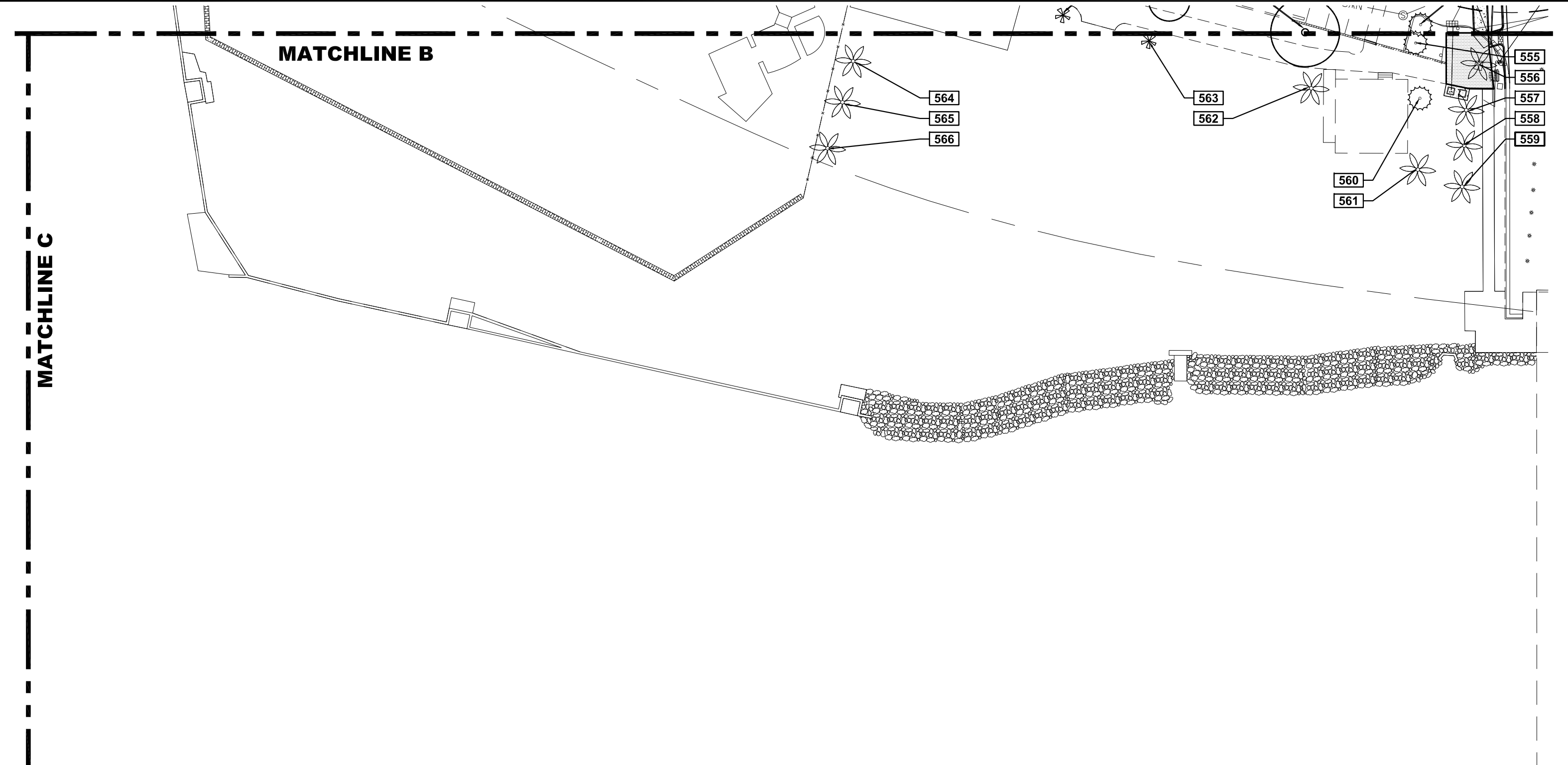
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**TREE DISPOSITION PLAN**  
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SHEET NO.  
**LD-06**

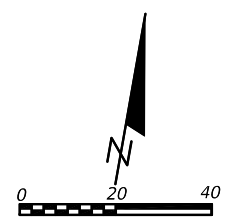
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TREE PERMIT SUBMITTAL PLANS



**LEGEND**

- 000 REMAIN
- 000 RELOCATE
- 000 X REMOVE
- INVASIVE
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**TREE DISPOSITION PLAN**  
 TREE PERMIT  
 04.10.2017

SHEET NO.  
**LD-07**

TREE PERMIT SUBMITTAL PLANS

## TREE PROTECTION GENERAL NOTES

1. All plans are incomplete without project specifications book.
2. All construction around existing trees to be field verified and adjusted accordingly with prior approval by Landscape Architect.
3. Before beginning work, the Contractor is required to meet with the Registered Consulting Arborist and the Landscape Architect at the site to review all work procedures, access routes, storage areas, and tree protection measures.
4. Fences shall be erected to protect trees to be preserved. Fences define a specific protection zone for each tree or group of trees. Fences are to remain until all site work has been completed. Fences may not be relocated or removed without the written permission of the Registered Consulting Arborist and the Landscape Architect.
5. Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
6. All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be tunneled or bored under the tree. Prior to any digging the Contractor shall get approval from the Registered Consulting Arborist and the Landscape Architect.
7. No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone (fenced area).
8. Additional tree pruning required for clearance during construction must be performed by a qualified certified arborist and not by construction personnel. All pruning shall be approved by the Registered Consulting Arborist and the Landscape Architect.
9. Any herbicides placed under paving materials must be safe for use around trees and labeled for that use. Any pesticides used on site must be tree-safe and not easily transported by water.
10. If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Registered Consulting Arborist and the Landscape Architect so that appropriate treatments can be applied.
11. Any grading, construction, demolition, or other work that is expected to encounter tree roots must be monitored by the Registered Consulting Arborist and/or the Landscape Architect.
12. Erosion control devices such as silt fencing, debris basins, and water diversion structures shall be installed to prevent siltation and/or erosion within the tree protection zone.
13. Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw. Notify immediately the Registered Consulting Arborist and Landscape Architect about any root damage to existing trees.
14. If temporary haul or access roads must pass over the root area of trees to be retained, a road bed of 6 inches of mulch or gravel shall be created to protect the soil. The road bed material shall be replenished as necessary to maintain a 6-inch depth.
15. As part of the contract, the Landscape Contractor shall implement all recommendations of care, fertilization and pruning, as per Certified Arborist project report of January 12th 2017, prepared by E-Sciences.

## TREE PROTECTION GENERAL NOTES (cont.)

15. Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporarily or permanently.
16. No burn piles or debris pits shall be placed within the tree protection zone. No ashes, debris, or garbage may be dumped or buried within the tree protection zone.
17. Maintain fire-safe areas around fenced areas. Also, no heat sources, flames, ignition sources, or smoking is allowed near mulch or trees.
18. Protection of existing shrubs and groundcover: Prior to starting the demolition process and in order to avoid damaging existing shrubs and groundcover plant material, the landscape architect shall identify those shrubs and groundcover beds in the field that are to remain and to be protected from damage during the construction process. The Landscape Contractor is responsible for setting up the pre-construction meeting with the Landscape Architect in order to outline all protection areas. In the case that existing shrubs and groundcover that were identified to remain and to be protected are damaged due to construction activities, the Landscape Contractor are responsible for replacing them with same species and sizes, at no additional cost to the client.

### ADDITIONAL NOTES

1. Invasive plant material removal: Remove invasive plant material as listed below and spray with herbicides as necessary, in order to prevent additional growth or sprouts after manual removal. The following is plant material that shall be removed as part of the contract:
  - a. Remove all invasive trees, shrubs, vines and groundcover (including Brazilian Pepper, Mahoe, Lead Tree, Schefflera, etc., as per Florida Exotic Pest Plant Council Invasive Plant Lists); and,
  - b. Remove all vines on existing structures, fences and trees.
2. Mulch:
  - a. Landscape Contractor is responsible to prepare mulch out of all native and non-invasive plant material that is to be removed. This mulch is to be installed as landscape mulch rings and landscape beds in all existing trees and palms to remain in the following locations: Large Dog Play Area (Priority 1), Fitness Path (Priority 2), and White Street (Priority 3).
  - b. Mulch installation shall be done at a minimum distance of 12" from the base of trunk, avoiding the superficial roots.
3. Boulders:
  - a. Identify all boulders and move them to a temporary location during the time of construction.
  - b. Clean all boulders from vines or any invasive plant material.
  - c. Relocate all boulders within the project limits, as directed by Landscape Architect.

*REVISIONS*

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**TREE PROTECTION GENERAL NOTES**

TREE PERMIT

04.10.2017

SHEET NO.

**LD-08**

**CERTIFIED ARBORIST WORK DESCRIPTION FOR THE PROJECT :**

**1. FOR COMPLETE INFORMATION OF CERTIFIED ARBORIST WORK, REFER TO:**

- SECTION 31 15 00 - SITE DEMOLITION AND TREE PROTECTION;
- SECTION 32 90 00 - LANDSCAPING;
- SECTION 32 01 90 - MAINTENANCE OF NEW PLANTING.

2. As part of the landscape contract, a Certified Registered Arborist shall be hired to be responsible throughout the whole construction phase of all existing and relocated trees. At least two Certified Registered Arborists shall be presented with all credentials and recommendations to the Landscape Architect, who will make recommendations for the best qualified individual.

3. CERTIFIED ARBORIST QUALIFICATIONS: Certified Arborist shall be a registered Consulting Arborist® (RCA) with American Society of Consulting Arborists or an ISA Board Certified Master Arborist, shall have Qualifications in the Preparation of Tree Risk Assessments, and shall have a minimum of five (5) years experience in Florida.


4. The following are some of the responsibilities of the Certified Registered Arborist:

- a) Project Certified Arborist Tree Condition Report and Recommendations: As part of the contract, the Landscape Contractor shall implement all recommendations of care, fertilization and pruning, as per Certified Arborist project report of January 12th 2017, prepared by E-Sciences.
- b) Prior to the initiation of construction, the Certified Arborist shall direct the tree protection layout and installation of tree protection fences. The Contractor is responsible of providing means and labor for all work for tree relocation and tree protection work (including fences) during the whole duration of the construction. Certified Arborist shall communicate with Landscape Architect to coordinate a construction observation visit.
- d) The Certified Arborist shall be responsible and direct all work related to tree protection, tree removal, tree relocation, pruning, and any tree related work,
- e) In the case of tree relocation, the Certified Arborist shall be responsible of directing the work related to all necessary root pruning, crown pruning, bracing, tree protection fence installation after relocation and the necessary fertilization. In addition, the Certified Arborist shall be responsible for determination of all watering (schedule and amount of water) before and after relocation, and during the whole construction. The Landscape Contractor is responsible of providing means and labor for all work necessary for the establishment of the relocated plant material, as per directions of Certified Arborist. Landscape Contractor is responsible of providing a temporary irrigation of the existing trees to remain and of the relocated trees, as per directions of Certified Arborist. Refer to specification book for watering and other recommendations.
- f) Prior to finalization of construction, the Certified Arborist shall prepare and submit to the Landscape Architect a brief report with the evaluation of conditions of each the remaining and relocated trees. If applicable, recommendations about future care of the specimen trees after construction shall be included.

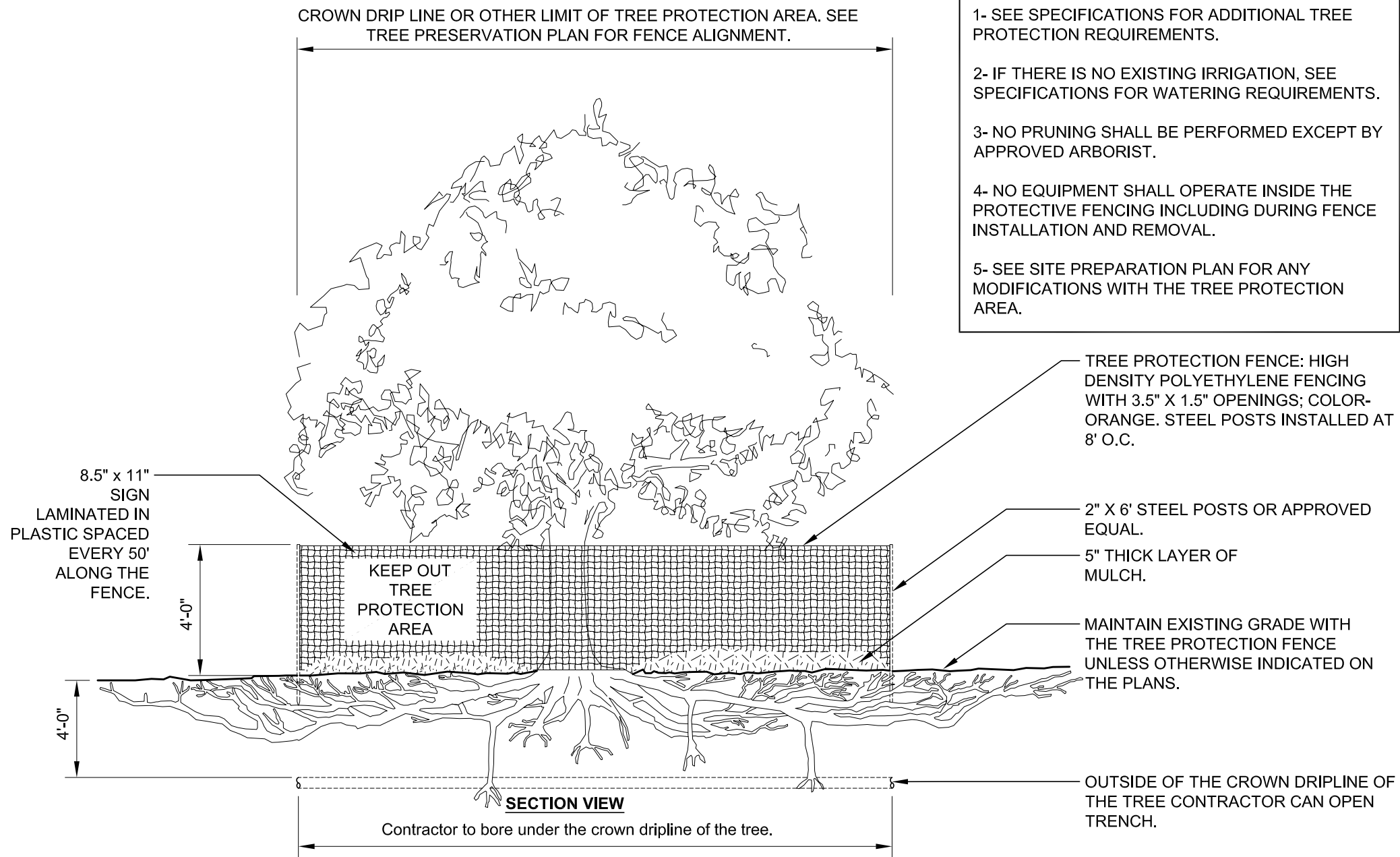
**7. FOR COMPLETE SPECIFICATIONS OF PRUNING WORK, REFER TO SECTION 31 15 00 - SITE DEMOLITION AND TREE PROTECTION.**

**GENERAL CLARIFICATION NOTES FOR ALL LANDSCAPE DRAWINGS:**

- 1. These drawings are one component of the Project Contract Documents, and are only complete when referenced in union, and combined with the directives of the Project Specifications. Any discrepancies and/or conflicts that may be found between these two document components by the Contractor, constructor, installer, or other agent, shall be noted to the Landscape Architect for verification and coordination.
- 2. Attention is directed to the fact that these plans may have been altered in size by reproduction. This must be considered when obtaining scaled data from this set of drawings.
- 3. LOCATION OF EXISTING TREES WERE BASED ON TWO TREE SURVEYS WHICH HAD DIFFERENCES IN THE LOCATION OF SOME OF THE TREES AND PALMS. AS DEEMED PERTINENT AND NECESSARY TO THE PROJECT, THE CONTRACTOR IS RESPONSIBLE TO VERIFY ANY DISCREPACIES RELATED TO THE LOCATIONS OF THE EXISTING TREES TO REMAIN, AS THEY RELATE TO THE NEW LANDSCAPE AND HARDSCAPE INSTALLATION. CONTRACTOR IS ALSO RESPONSIBLE TO VERIFY ALL UNDERGROUND AND OVERHEAD UTILITIES IN THE FIELD, AND REPORT CONFLICTS AND / OR DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY.


<i>REVISIONS</i>			LAOR		<b>MONROE COUNTY</b> PUBLIC WORKS/ENGINEERING DIVISION	<b>MONROE COUNTY</b> PUBLIC WORKS/ENGINEERING DIVISION	<b>TREE PROTECTION NOTES</b>	SHEET NO.
<i>DATE</i>	<i>BY</i>	<i>DESCRIPTION</i>						
					RELOCATION OF ATLANTIC BOULEVARD			

TREE PERMIT SUBMITTAL PLANS



- NOTES:**
- 1- SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
  - 2- IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
  - 3- NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
  - 4- NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
  - 5- SEE SITE PREPARATION PLAN FOR ANY MODIFICATIONS WITH THE TREE PROTECTION AREA.

**1** TREE PROTECTION - BORING UNDER CROWN DRIPLINE  
 LD-10 SCALE: 1/4" = 1'-0"

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DATE	BY	DESCRIPTION						
			Leticia Fernandez-Beraud, RLA LA6666720 <b>FERNANDEZ-BERAUD, INC.</b> Landscape Architecture and Planning					