

SECTION No.: 94050
FM No. (s): 230297-1-52-01
COUNTY: St. Lucie
S.R. No.: A1A

**DISTRICT FOUR
MAINTENANCE MEMORANDUM OF AGREEMENT**

THIS AGREEMENT, made and entered into this 29th day of September, 2009, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, a component agency of the State of Florida, hereinafter called the DEPARTMENT and the City of Fort Pierce, a political subdivision, existing under the Laws of Florida, hereinafter called the AGENCY.

WITNESSETH:

WHEREAS, the DEPARTMENT has jurisdiction over State Road A1A as part of the State Highway System as described in Exhibit A; and

WHEREAS, the DEPARTMENT seeks to install and have maintained by the AGENCY certain landscape improvements within the right of way of State Road A1A as described within Exhibit B; and

WHEREAS, as part of the continual updating of the State of Florida Highway System, the DEPARTMENT, for the purpose of safety, protection of the investment and other reasons, has constructed and does maintain the highway facility as described in Exhibit A attached hereto and incorporated by reference herein, within the corporate limits of the agency

WHEREAS, the AGENCY is of the opinion that highway facilities within the AGENCY'S limits that contain landscape improvements to medians and areas outside the travelway to the right of way line and areas within the travelway that may contain specialty surfacing (concrete pavers, stamped asphalt or stamped concrete), including any hardscape (if applicable), but excluding standard concrete sidewalk, shall be maintained by periodic pruning, mowing, fertilizing, weeding, litter pick-up, necessary replanting, irrigation repair and/or repair of any median concrete replacements associated with the specialty surfacing (if applicable) as needed; and

WHEREAS, it is the intent of the AGENCY and the DEPARTMENT that the AGENCY shall maintain all right of way within the medians, outside the travelway and improvements made to the travelway that was made at the request of the AGENCY; and

WHEREAS, the parties hereto mutually recognize the need for entering into an Agreement designating and setting forth the responsibilities of each party; and

WHEREAS, the AGENCY by Resolution No. 09-45 dated September 8, 2009, attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorizes its officers to do so;

NOW THEREFORE, for and in consideration of the mutual benefits to flow each to the other, the parties covenant and agree as follows:

1. The recitals set forth above are true and correct and are deemed incorporated herein.
2. INSTALLATION OF FACILITIES

The DEPARTMENT hereby agrees to install or cause to be installed *landscape improvements* described as: plant materials, irrigation and/or hardscape on the highway facilities substantially as specified in the initial plans and specifications hereinafter referred to as the Project (s) and incorporated herein as Exhibit B. If there are any major changes to the plans, the DEPARTMENT shall provide the modified plans to the AGENCY and the AGENCY shall provide their approval or disapproval to the DEPARTMENT within 10 business days. The DEPARTMENT may elect to withdraw the landscape improvements if changes are not approved within the given time frame. *Hardscape* shall mean, but not be limited to, any landscape accent lighting, any non-standard roadway, sidewalk, median or crosswalk surfacing, such as, but not be limited to concrete pavers, stamped asphalt or color stained and/or stamped concrete, fountain, tree grates, and/or decorative free standing wall.

3. MAINTENANCE OF FACILITIES

- A. The AGENCY agrees to maintain the landscape improvements, as existing and those to be installed, within the physical limits described in Exhibit A and as defined as: plant materials, irrigation, and / or hardscape within the medians and areas outside the travelway to the right of way line and areas within the travelway containing specialty surfacing as existing and as described in Exhibit B. The non-standard improvements outside the travelway shall be maintained by the AGENCY regardless if the said improvement was made by the DEPARTMENT, the AGENCY, or others by periodic pruning, mowing, fertilizing, weeding, curb and sidewalk edging, litter pickup, necessary replanting, and / or repair following the DEPARTMENT'S landscape safety and maintenance guidelines and Exhibit C, the Maintenance Plan. The AGENCY'S responsibility for maintenance shall include all landscaped / turfed and hardscape areas within the median and areas outside the travelway to the right-of-way and areas within the travelway containing specialty surfacing. It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway caused by the differential characteristics of non-standard surfacing and the associated header curb and concrete areas on DEPARTMENT right-of-way within the limits of this Agreement.
- B. Such maintenance to be provided by the AGENCY is specifically set out as follows: to maintain, which means to properly water and fertilize all plants; to keep them as free as practicable from disease and harmful insects; to properly mulch the planting beds; to keep the premises free of weeds; to mow the grass to the proper height; to properly prune all plants which at a minimum includes: (1) removing dead or diseased parts of plants, (2) pruning such parts thereof to provide clear visibility to signage or for those using the roadway and or sidewalk; (3) preventing any other potential roadway hazards. Plants shall be those items which would be scientifically classified as plants and include but are not limited to trees, shrubs, groundcover and sod. To maintain also means to remove or replace dead or diseased plants in their entirety, or to remove or replace those that fall

below original project standards. Palms shall be kept fruit free year round. To maintain also means to keep the header curbs that contain the specialty surfacing treatment in optimum condition. To maintain also means to keep the hardscape areas free from weeds and to repair said hardscape as is necessary to prevent a safety hazard. To maintain also means to keep litter removed from the median and areas outside the travel way to the right of way line. All plants removed for whatever reason shall be replaced by plants of the same species type, size, and grade as specified in the original plans and specifications. Any changes to the original plans shall be submitted by permit application to the DEPARTMENT for review and approval.

- C. If it becomes necessary to provide utilities (water/electricity) to the medians or areas outside the travelway for these improvements, all costs associated with the utilities associated with landscape accent lighting and/or irrigation including, but not limited to the impact and connection fees, and the on-going cost of utility usage for water and electrical, are the maintaining AGENCY'S responsibility.

(1) The AGENCY shall be directly responsible for impact and connection fees

AND

- (2) The AGENCY shall become responsible for the above named ongoing utility costs upon final acceptance of the construction Project by the DEPARTMENT and thereafter. The construction Project is accepted prior to the start of the Plant Establishment and Contractor's Warranty Period.

AND

- (3) The AGENCY shall be responsible for all the improvements immediately after final acceptance of the construction Project by the DEPARTMENT except for plants. The AGENCY shall be responsible for the maintenance of all improvements after the completion of the Plant Establishment and Contractor's Warranty Period.

- D. The above named functions to be performed by the AGENCY may be subject to periodic inspections by the DEPARTMENT at the discretion of the DEPARTMENT. Such inspection findings will be shared with the AGENCY and shall be the basis of all decisions regarding, repayment, reworking or Agreement termination. The AGENCY shall not change or deviate from said plans without written approval of the DEPARTMENT.

4. NOTICE OF MAINTENANCE DEFICIENCIES

- A. If at any time after the AGENCY has undertaken the landscape improvement's maintenance responsibilities mentioned above, it shall come to the attention of the DEPARTMENT'S District Secretary that the limits, or a part thereof, are not properly maintained pursuant to the terms of this Agreement, said District Secretary may at his/her option, issue a written notice that a deficiency or deficiencies exist(s), by sending a certified letter to the AGENCY, placing said AGENCY on notice thereof. Thereafter the

AGENCY shall have a period of thirty (30) calendar days within which to correct the cited deficiencies. If said deficiencies are not corrected within this time period, the DEPARTMENT may at its option, proceed as follows:

- (1) Maintain the landscape improvements or any part thereof, with DEPARTMENT or Contractor's personnel and invoice the AGENCY for expenses incurred, or
- (2) Terminate the Agreement in accordance with Paragraph 9 of this Agreement and remove, by the DEPARTMENT or Contractor's personnel, all of the landscape improvements installed under this Agreement or any preceding Agreements, except as to trees and palms, and charge the AGENCY the reasonable cost of such removal.

B. The AGENCY agrees to reimburse the DEPARTMENT all monies expended by the DEPARTMENT for the Project listed in Exhibit B in the amounts listed in those plans should the landscape improvement fail to be maintained in accordance with the terms and conditions of this Agreement.

5. FUTURE DEPARTMENT IMPROVEMENTS

It is understood between the parties hereto that the landscape improvements covered by this Agreement may be removed, relocated or adjusted at any time in the future as determined to be necessary by the DEPARTMENT in order that the adjacent state road be widened, altered or otherwise changed to meet with future criteria or planning of the DEPARTMENT. The AGENCY shall be given sixty (60) calendar days notice to remove said landscape improvements at AGENCY'S expense after which time the DEPARTMENT may remove same. All permits (including tree permits), fees, and any mitigation associated with the removal, relocation or adjustments of these improvements are the maintaining AGENCY'S responsibility.

6. FUTURE AGENCY IMPROVEMENTS

The AGENCY may construct additional landscape improvements within the limits of the rights of ways identified as a result of this document, subject to the following conditions:

- (a) Plans for any new landscape improvements shall be subject to approval by the DEPARTMENT. The AGENCY shall not change or deviate from said plans without written approval by the DEPARTMENT.
- (b) The AGENCY shall procure a permit from the DEPARTMENT.
- (c) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- (d) The AGENCY agrees to comply with the requirements of this Agreement with regard to any additional landscape improvements installed at no cost to the DEPARTMENT.

7. ADJACENT PROPERTY OWNER IMPROVEMENTS

The DEPARTMENT may allow an adjacent property owner to construct additional landscape improvements within the limits of the rights of way identified in Exhibit A of this Agreement that the AGENCY shall be responsible for maintaining under this Agreement subject to the following conditions:

- (a) Plans for any new landscape improvements shall be subject to approval by the DEPARTMENT and shall require a valid permit attached with a letter of consent to said plans by the AGENCY. The plans shall not be changed or deviated from without written approval by the DEPARTMENT and the AGENCY.
- (b) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- (c) The AGENCY agrees to comply with the requirements of this Agreement with regard to any additional landscape improvements installed by an adjacent owner.

8. PROJECT COST

The DEPARTMENT agrees to enter into a contract for the installation of the Project for an amount not to exceed **\$852,401.00** as defined in Exhibit D. This amount may be reduced or eliminated at the sole discretion of the DEPARTMENT or due to budgetary constraints of the DEPARTMENT.

The DEPARTMENT'S participation in the Project cost, as described in Exhibit D is limited to only those items which are directly related to this Project.

The AGENCY shall be invited to assist the DEPARTMENT in final inspection upon completion of the Plant Establishment and Contractor's Warranty Period.

9. AGREEMENT TERMINATION

This Agreement may be terminated under any one (1) of the following conditions:

- (a) By the DEPARTMENT, if the AGENCY fails to perform its duties under this Agreement, following ten (10) days written notice.
- (b) By the DEPARTMENT, for refusal by the AGENCY to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the AGENCY in conjunction with this Agreement.

10. AGREEMENT TERM

- A. The term of this Agreement commences upon execution by all parties. The term of this Agreement shall last as long as the landscape improvements exist.

- B. If the DEPARTMENT cancels the Project described in Exhibit B, this Agreement becomes void and the original Agreement is reinstated if any.

11. LIABILITY AND INSURANCE REQUIREMENTS

- A. With respect to any of the AGENCY'S agents, consultants, sub-consultants, contractors, and/or sub-contractors, such party in any contract for this project shall agree to indemnify, defend, save and hold harmless the DEPARTMENT from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, subconsultants, contractors and/or subcontractors. The AGENCY shall provide to the DEPARTMENT written evidence of the foregoing upon the request of the DEPARTMENT. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the DEPARTMENT for its own negligence.
 - B. In the event that AGENCY contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:
 - (a) AGENCY'S contractor shall at all times during the term of this Agreement keep and maintain in full force and effect, at contractor's sole cost and expense, Comprehensive General Liability with minimum limits of \$1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of \$500,000.00 per Liability. Coverage must be afforded on a form no more restrictive than the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name the DEPARTMENT as an additional insured.
 - (b) AGENCY'S contractor shall furnish AGENCY with Certificates of Insurance of Endorsements evidencing the insurance coverages specified herein prior to the beginning performance of work under this Agreement.
 - (c) Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of AGENCY'S contractor is completed. All policies must be endorsed to provide the DEPARTMENT with at least thirty (30) days notice of cancellation and or/or restriction. If any of the insurance coverages will expire prior to the completion of work, copies of renewal policies shall be furnished at least (30) days prior to the date of expiration.
12. This writing embodies the entire Agreement and understanding between the parties hereto and there are no other Agreements and understanding, oral or written, with reference to the subject matter hereof that are not merged herein and superseded hereby.
13. The DEPARTMENT, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year.

Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The DEPARTMENT shall require a statement from the Comptroller of the DEPARTMENT that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one (1) year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the DEPARTMENT which are for an amount in excess of TWENTY FIVE THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year.

14. The DEPARTMENT'S District Secretary shall decide all questions, difficulties and disputes of any nature whatsoever that may arise under or by reason of this Agreement, the prosecution or fulfillment of the service hereunder and the character, quality, amount and value thereof; and his decision upon all claims, questions and disputes shall be final and conclusive upon the parties hereto.
15. This Agreement may not be assigned or transferred by the AGENCY in whole or part without the consent of the DEPARTMENT.
16. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. The Agency agrees to waive forum and venue and that the Department shall determine the forum and venue in which any dispute under this agreement is decided.
17. NOTICES

Any and all notices given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses:

If to the Department:
State of Florida Department of Transportation
3400 West Commercial Blvd.
Ft. Lauderdale, FL 33309-3421
Attention: Elisabeth A. Hassett, R.L.A.
FDOT District IV Landscape Architect

If to the Agency:
City of Fort Pierce
100 North US 1
Fort Pierce, Florida 34950
Attention: Jack Andrews, P.E.
Title: City Engineer

18. LIST OF EXHIBITS

Exhibit A: Project Location & Maintenance Boundaries
Exhibit B: Project Plans
Exhibit C: Maintenance Plan
Exhibit D: Approximate Project Cost

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective the day and year first above written.

CITY OF FORT PIERCE

By: [Signature]
Chairperson/Mayor

Attest: [Signature] (SEAL)
Clerk

Approval as to Form Date
[Signature] 8/5/09
Attorney

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By: [Signature]
Transportation Development Director

Attest: [Signature] (SEAL)
Executive Secretary



Approval as to Form Date
[Signature] 9/28/2009
District General Counsel

SECTION No.: 94050
 FM No. (s) 230297-1-58-01
 COUNTY: ST. LUCIE
 S.R. No.: A1A

EXHIBIT A

PROJECT LOCATION AND MAINTENANCE BOUNDARIES

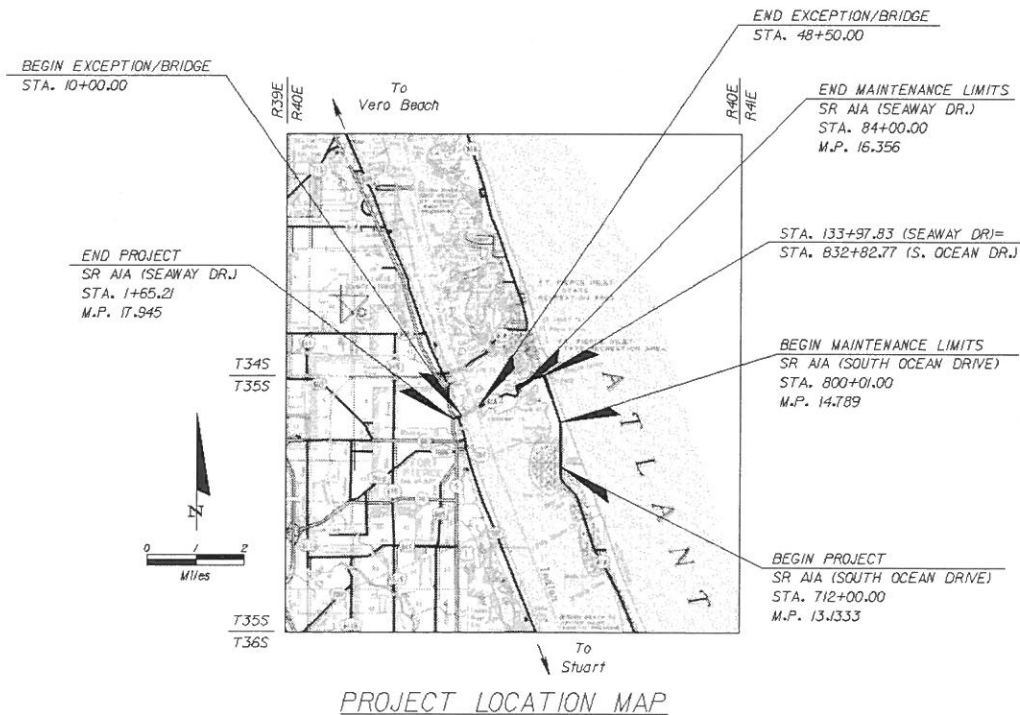
I. PROJECT LOCATION:

State Road A1A from Blue Heron Blvd (Sta 712+00) to US 1 (1+65.21) (M.P. 13.133 to M.P. 17.945)

II. PROJECT LIMITS OF MAINTENANCE:

Phase 1- State Road A1A from Sta 84+00.00 (Seaway Drive) to Sta 800+01.00 (South Ocean Drive) (M.P. 16.356 to M.P. 14.789)

III. PROJECT MAINTENANCE MAP:



SECTION No.:	94050
FM No. (s)	230297-1-58-01
COUNTY:	ST. LUCIE
S.R. No.:	A1A

EXHIBIT B

PROJECT PLANS

The DEPARTMENT agrees to install the Project in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: LUCIDO & ASSOCIATES, GREG BOGGS, RLA.
Date: 06/15/2009

SECTION No.:	94050
FM No. (s)	230297-1-58-01
COUNTY:	ST. LUCIE
S.R. No.:	A1A

EXHIBIT C
MAINTENANCE PLAN

This Exhibit forms an integral part of the DISTRICT FOUR (4) MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the AGENCY.

Please see attached

MAINTENANCE PLAN

Landscape Improvements

Project State Road No(s): A1A
Project Limits: State Road A1A from Blue Heron Blvd to US 1 (M.P. 13.133 to M.P. 17.945)
Phase 1 from Sta 84+09.00 (Seaway Drive to Sta 800+01.00 (South Ocean Drive)
FM No(s): 230297-1-58-01
Maintaining Agency: CITY OF FORT PIERCE
RLA of Record: GREG BOGGS
Date: JUNE 4, 2009

I. General Maintenance Requirements and Recommendations:

The purpose of a plan for the landscape improvements maintenance practices is to allow the plant material on this project to thrive in a safe and vigorous manner while fulfilling their intended purpose and conserving our natural resources. Plantings and all other landscape improvements shall be maintained to avoid potential roadway hazards and to provide required clear visibility, accessibility, clearance, and setbacks as set forth by Florida Department of Transportation (FDOT) governing standards and specifications: *FDOT Design Standards*, *FDOT Plans Preparation Manual Vol. 1, Chapter 2.11* and *FDOT Standard Specifications for Road and Bridge Construction* as amended by contract documents; and all other requirements set forth by the District 4 Operations Maintenance Engineer. The initial portion of the Maintenance Plan describes general maintenance requirements and recommendations. The concluding section is recommendations prepared by the Landscape Architect of Record specific to the attached approved plans.

Watering Requirements:

Watering is a critical concern for not only the maintenance of healthy plant material but also for observing water conservation practices. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil. For plant materials that have been established, it is imperative that any mandated water restrictions be fully conformed to on FDOT roadways.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone, but not saturate the soil or over-spray onto travel lanes.

Irrigation System:

The City of Fort Pierce shall ensure there are no roadway overspray or irrigation activities during daytime hours (most notably "rush hour" traffic periods). It is imperative the irrigation controller is properly set to run early enough that the watering process will be entirely completed before high traffic periods, while adhering to mandated water restrictions. To ensure water conservation, the Agency shall monitor the system for water leaks and the rain sensors to ensure they are functioning properly so that the system shuts down when there is sufficient rainfall.

Integrated Plant Management:

An assessment of each planting area's soil is recommended to periodically determine the nutrient levels needed to sustain healthy, vigorous plant growth.

Palms, shrubs, trees and turf areas shall be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Establishment of an integrated plant management program is encouraged to ensure healthy plants, which are free of disease and pests.

Mulching:

Mulch planting beds in such a manner as to: prevent weed growth; retain moisture to the plants; protect against soil erosion and nutrient loss; maintain a more uniform soil temperature; and improve the appearance of the planting beds. Avoid mulch mounded up on the trunks of trees, palms, and the base of shrubs to encourage air movement in this area that aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

Pruning:

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute ANSI A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, and to specific pruning heights maintaining clear visibility for motorists, and vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions and all trees and palms (with particular attention to fronds and fruit) maintained to prevent potential roadway and pedestrian hazards. The specific pruning heights are determined by understanding the designer's intent when selecting and placing the plants. The intended mature maintained height and spread of plants should be noted on the planting plans. (See Specific Requirements and Recommendations per Approved Landscape & Irrigation Design for these guidelines). The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) of the medians are to be maintained at a height in compliance with FDOT Design Standards Index 546, Page 6 of 6, Window Detail. Vertical tree heights must meet *FDOT Maintenance Rating Program* (MRP) standards.

Staking and Guying:

All staking materials, except for replacements, are removed by the completion of FDOT warranty period or at one year (whichever comes first). Any subsequent staking and guying activities by the Agency must adhere to *FDOT Design Standards* guidelines (See Index 544). The Agency shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

Turf Mowing:

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf efforts: mowing, curb/sidewalk edging, and turf condition must meet *FDOT Maintenance Rating Program* (MRP).

Litter Control:

The project site shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste by its reuse. Litter removal efforts must meet *FDOT Maintenance Rating Program* (MRP) standards.

Weeding/Herbicide:

All planting areas shall be maintained as weed free as practicable enlisting integrated pest management practices in areas specified on the plans and by maintaining proper mulch levels. Extreme care is recommended if using a chemical herbicide to avoid overspray onto plant materials. Any damage resulting from overspray is the applicator's responsibility to restore the plantings to the approved plans.

Plant Replacement:

Plant replacement shall be the same species and specification as the approved plan. Move and replace all plant materials that may conflict with utility relocations and service. Only plants graded Florida #1 or better, per the *Florida Department of Agriculture and Consumers Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a general use permit is required from FDOT for approval by the FDOT District Landscape Architect.

Hardscape (Specialty Surfacing):

All tree grates shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage

to the pavers and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Section 23 14 13 Interlocking Concrete Pavers*, Part 3.05. If the tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

Hardscape (Non-Standard Travelway Surfacing):

It shall be the responsibility of the City of Fort Pierce to restore an unacceptable ride condition of the roadway, including asphalt pavement, caused or contributed by the installation or failure of non-standard surfacing, and/or the header curb, on the Department of Transportation right-of-way within the limits of this Agreement. Pavement restoration areas or “patches” will have a minimum length of 10-ft, measured from the edge of the header curb, and a width to cover full lanes for each lane affected by the restoration.

Pavement restoration will be performed in accordance with the most current edition of the *FDOT Standard Specifications for Road and Bridge Construction*, and the *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System*.

It shall be the responsibility of the AGENCY to maintain all signs located within a non-standard surfacing area. Such maintenance to be provided by the AGENCY shall include repair, replace of the sign panel, post, and base.

Hardscape (Landscape Accent Lighting)

Landscape accent lighting shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. If the lighting fixtures and their system become damaged, they shall be replaced with the same type and specification as the approved plan.

Maintenance of Traffic Control

Reference the FDOT website regarding the selection of the proper traffic control requirements to be provided during routine maintenance and / or new installations of this DOT roadway.

Website: Series 600 Traffic Control through Work Zones
<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.htm>

Vegetation Management at Outdoor Advertising (ODA)

To avoid conflicts with permitted outdoor advertising, please reference the State of Florida website regarding the vegetation management of outdoor advertising. This website provides a portal to search the FDOT Outdoor Advertising Inventory Management System Database. The database contains an inventory of outdoor advertising structures, permits and other related information maintained by the Department.

Website: FDOT Outdoor Advertising Database
<http://www2.dot.state.fl.us/rightofway/Default.aspx>

Also, reference the Florida Highway Beautification Program website link for Vegetation Management at ODA signs for the Florida Statutes and Administrative Codes related to Vegetation Management at Outdoor Advertising Signs and Permit Applications for Vegetation Management and Outdoor Advertising Signs determining Mitigation Value of Roadside Vegetation.

Website: FDOT Environmental Management office for Landscape Architects
<http://www.dot.state.fl.us/emo/beauty/FLA.shtm>

II. Specific Project Site Maintenance Requirements and Recommendations:

<u>Common Name</u>	<u>Comment</u>
Green Island Ficus	Maintain at 15" to 18" maximum, allow full to ground growth; allow horizontal growth for full bed coverage
Dune Sunflower	Maintain to allow natural habit of 12" to 15" ht.; limited irrigation
Spider Lily	Maintain to allow natural habit of 30 to 36" ht.; limited irrigation
Dwarf Oleander	Maintain at 24" to 30" maximum; prune after flowering occurs during summer months; allow full to ground growth
Indian Hawthorn	Maintain at 18" to 24" maximum, allow full to ground growth; clip shoots as needed to maintain consistent round shape, allow horizontal growth for full bed coverage
Sea Oats	Maintain to allow natural habit of 36" to 48" ht.; limited irrigation
Cabbage Palm	Remove dead fronds as needed; no hurricane cutting of fronds permitted to allow natural and healthy growth
Date Palm	Remove dead fronds as needed

REFERENCES

This reference list is provided as a courtesy. The list may not contain the most current websites. The most current references must be accessed for up to date information.

American National Standard Institute, *ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning)*, available for purchase
<http://www.treespecialists.com/pdfs/pruningstandards.pdf>

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Stock*, available for purchase
<http://www.doacs.state.fl.us/pi/plantinsp/publications.html>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 544 Landscape Installation*
<http://www.dot.state.fl.us/rddesign/rd/RTDS/08/544.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 546 Sight Distance at Intersections*
<http://www.dot.state.fl.us/rddesign/rd/RTDS/08/546.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 700 Roadside Offsets*
<http://www.dot.state.fl.us/rddesign/rd/RTDS/08/700.pdf>

Florida Department of Transportation, *FDOT Plans Preparation Manual (PPM) Vol. 1 Chapters 2.11.5, Horizontal Clearance to Trees; Table 2.11.9 Horizontal Clearance and Clear Zone; Figure 4.1.2 Clear Zone; and Table 25.4.11.1 Clear Zone Width (feet) and Table 25.4.14.6 (for existing) trees*
<http://www.dot.state.fl.us/rddesign/PPMManual/2008/Volume1/zChap02.pdf>

Florida Department of Transportation, *FDOT Standard Specifications for Road and Bridge Construction, Section 580 Landscape Installation*
<http://www.dot.state.fl.us/specificationsoffice/Implemented/CurrentBK/CurrentSpecs/580.pdf>

Florida Department of Transportation, *Maintenance Rating Program Handbook*
<http://ombnet.dot.state.fl.us/procedures/bin/850065002.pdf>

Florida Department of Transportation, Landscape Architecture Website
<http://www.dot.state.fl.us/emo/beauty/beauty.shtm>

Interlocking Concrete Pavement Institute (ICPI)
<http://www.icpi.org/> <http://www.fisstate.org>

International Society of Arboriculture (ISA)
www.isa-arbor.com

Manual on Uniform Traffic Control Devices
<http://www.mutcd.fhwa.dot.gov>

Florida Irrigation Society

S:\Maint\Landscape\MOA Folders\MOA Drafts\City of Ft.Pierce SR A1A FM#230297-1.docx

<http://www.fisstate.org>

Florida Department of Community Affairs (FCA), *Florida Board of Building Codes & Standards, Florida Accessibility Code for Building Construction*

http://www.dca.state.fl.us/fbc/publications/1_publications.htm

Guide to Roadside Mowing and Guide to Turf Management, available for purchase

<http://infonet.dot.state.fl.us/SupportServicesOffice/plist.htm>

Accessible Sidewalk Videos (ADA)

<http://www.access-board.gov/news/sidewalk-videos.htm>

SECTION No.:	94050
FM No. (s)	230297-1-58-01
COUNTY:	ST. LUCIE
S.R. No.:	A1A

EXHIBIT D

APROXIMATE PROJECT COST

This Exhibit forms an integral part of the DISTRICT FOUR (4) MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the CITY OF FORT PIERCE.

Date: 06/04/2009

APPROXIMATE PROJECT COST: \$ 852,401.00

Construction Item	Units	Quantity	Unit Cost	Total Cost
Trees:				
Cabbage Palm, curved	EA	8	\$300.00	\$2,400.00
Canary Island Date Palm	EA	26	\$6,000.00	\$156,000.00
Cabbage Palm	EA	299	\$200.00	\$59,800.00
Green Island Ficus	EA	349	\$10.00	\$3,490.00
Dune Sunflower	EA	136	\$3.50	\$476.00
Spider Lily	EA	118	\$10.00	\$1,180.00
Dwarf Oleander	EA	39	\$10.00	\$390.00
Indian Hawthorn	EA	108	\$10.00	\$1,080.00
Sea Oats	EA	21	\$5.00	\$105.00
Pre-cast Concrete Tree Grates	EA	145	\$2,250.00	\$326,250.00
Irrigation	LS	1	\$301,230.00	\$301,230.00
SUBTOTAL				\$852,401.00
Mobilization	0.0%			\$0.00
Maintenance of Traffic	0.0%			\$0.00
TOTAL ESTIMATED CONSTRUCTION COST				\$852,401.00
CALL ESTIMATED CONSTRUCTION COST				\$852,500.00

**Opinion of Probable Construction Costs
A-1-A Fort Pierce, Phase 1**

DATE
May 21, 2009

PROJECT NUMBER
05-006

RESOLUTION NO. 09-45

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT PIERCE, FLORIDA, AUTHORIZING EXECUTION OF A **MAINTENANCE MEMORANDUM OF AGREEMENT** BETWEEN THE CITY OF FORT PIERCE AND THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR LANDSCAPE AND HARDSCAPE IMPROVEMENTS FOR THE STATE ROAD A1A PHASE I IMPROVEMENTS AND AUTHORIZING THE MAYOR, CITY CLERK, AND CITY ATTORNEY TO EXECUTE SAID AGREEMENT ON THE PART OF THE CITY; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the State of Florida Department of Transportation has jurisdiction over State Road A1A as part of the State Highway System; and

WHEREAS, the State of Florida Department of Transportation agrees to allow the CITY to install landscape, irrigation, and/or hardscape to State Road A1A Phase I in Fort Pierce, Florida; and

WHEREAS, the State of Florida Department of transportation having requested the City of Fort Pierce, Florida, to execute and deliver to the State of Florida Department of Transportation a Maintenance Memorandum of Agreement for such improvements.

NOW, THEREFORE, BE IT RESOLVED, BY THE City Commission of the City of Fort Pierce, Florida, as follows:

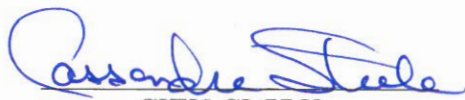
1. That the City of Fort Pierce shall enter into said agreement with the Department of Transportation of the State of Florida.
2. That a copy of said agreement shall be attached to this resolution.
3. That the Mayor, City Clerk, and City Attorney are hereby authorized to enter into said agreement and to execute said agreement on behalf of the City of Fort Pierce.
4. This Resolution shall become effective immediately upon adoption.

IN WITNESS WHEREOF, this Resolution has been duly adopted this 8th day of September 2009.



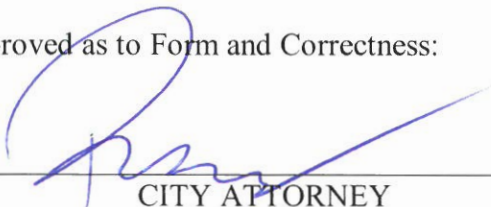
MAYOR COMMISSIONER

Attest:



CITY CLERK

Approved as to Form and Correctness:

By: 

CITY ATTORNEY

(CITY SEAL)

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

CONTRACT PLANS

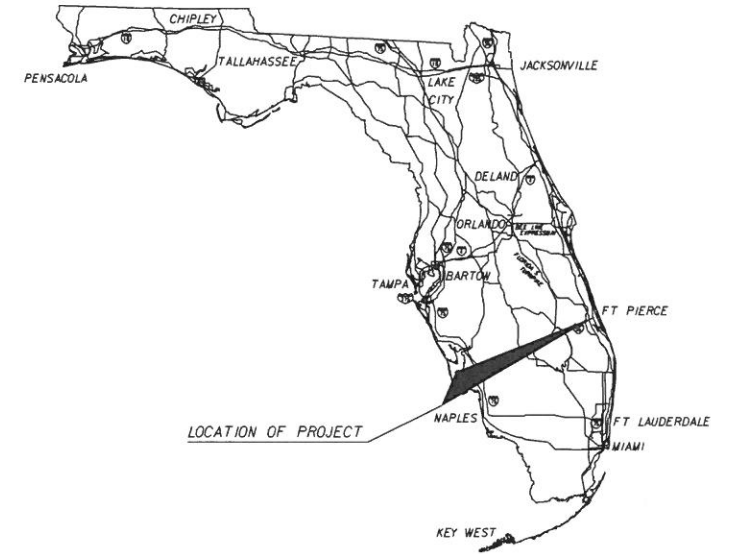
FINANCIAL PROJECT ID 230297-1-58-01

ST. LUCIE COUNTY (94050)

STATE ROAD NO. A1A

PHASE I

LANDSCAPE PLANS



INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	GENERAL NOTES
LD-3 - LD-5	TABULATION OF QUANTITIES
LD-6- LD-21	LANDSCAPE PLAN
LD-22	PLANTING SCHEDULE & DETAILS
LD-23 - LD-38	IRRIGATION PLAN
LD-39 - LD-40	IRRIGATION SCHEDULE & DETAILS

LANDSCAPE PLANS
LANDSCAPE ARCHITECT OF RECORD:
GREGORY L. BOGGS, R.L.A.
100 AVE 'A', SUITE 2A
FORT PIERCE, FL 34950
VENDOR NO. 65-0066650
CERTIFICATE OF AUTHORIZATION:
7399-00900008
CONTRACT NO.: C-7694

PLANS PREPARED BY:
THOMAS LUCIDO & ASSOCIATES
100 AVE 'A', SUITE 2A
FORT PIERCE, FL 34950

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

LANDSCAPE PLANS
LANDSCAPE ARCHITECT OF RECORD: GREGORY L. BOGGS, R.L.A.

R.L.A. NO.: 901

FISCAL YEAR	SHEET NO.
	LD-1

[Handwritten Signature]
6.15.09

FDOT PROJECT MANAGER: DONOVAN PESSOA, P.E.

GENERAL NOTES:

- THE CONTRACTOR SHALL BE GOVERNED BY THE APPLICABLE PORTIONS OF THE DESIGN STANDARDS, DATE 2006, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007, AND SUPPLEMENTS THERETO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.
- THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
- UTILITY OWNERS:


COMPANY	CONTACT	TELEPHONE NUMBERS
AT&T	BILL HAM	(407) 578-8000
EPIK	RICHARD GIBSON	(407) 405-5333
FT. PIERCE UTIL. AUT. W/WW	DAVE MELLERT	(772) 466-1600 EXT. 3423
FT. PIERCE UTIL. AUT. ELECTRIC	ELIZABETH SCHNEBLI	(772) 466-1600 EXT. 6247
MCI COMMUNICATIONS	TIM MANLEY	(972) 656-6016
QUEST COMMUNICATIONS	MIKE RICHARDSON	(772) 979-2560
BELLSOUTH COMMUNICATIONS	GENE SCOTT	(772) 460-4426
COMCAST CABLE	STEVE ABALDO	(772) 567-3473
SPRINT	STEVE THOMPSON	(407) 932-1560
WILTEL COMMUNICATIONS, LLC	JUDITH LAKE	(918) 547-9919
CITY OF FT. PIERCE	JACK ANDREWS	(772) 460-2200
PROGRESS TELECOM	RICHARD SHIELDS	(772) 820-5300
- ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE. (BOB HUGHAN, (954) 777-4556).
- CONTRACTOR SHALL HAND-DIG PLANTING HOLES WHEREVER UTILITY LINES ARE PRESENT.
- THE DESIGN SPEED FOR THE PROJECT IS 35 MPH.
- CONTRACTOR TO CONTACT CITY OF FORT PIERCE ENGINEERING DEPARTMENT REGARDING SPECIFICATIONS AND PROCUREMENT OF THE TREE GRATES.

PAY-ITEM NOTES:

- 580-1-1, 580-1-2 PAY ITEM TO INCLUDE COST OF ALL LABOR AND MATERIAL FOR SOIL AMENDMENTS, FINISH SOIL LAYER, FERTILIZER (INSTALLED PER SPECIFICATIONS AND TSP), HERBICIDE & MULCH APPLICATION, WATER FOR PLANT ESTABLISHMENT, BED PREPARATION AND PLANTING, AS WELL AS ALL LABOR TO REMOVE EXCESS BACKFILL TO ESTABLISH THE REQUIRED PROFILE FOR LANDSCAPE AREAS AND GRADE. ANY OTHER REQUIREMENTS NECESSARY FOR COMPLETE ACCEPTANCE OF THE LANDSCAPE WORK SHALL BE CONSIDERED INCIDENTAL TO THE WORK BEING PERFORMED. MULCH TO BE RECYCLED MELALEUCA MULCH. PAY ITEM ALSO TO INCLUDE COST OF ALL LABOR AND MATERIAL TO INSTALL CONCRETE TREE GRATES WHERE INDICATED IN THE PLANS.
- 523-1-2 PAY ITEM TO INCLUDE COST FOR ALL LABOR AND MATERIAL TO INSTALL 1178.7 SY OF STAMPED, COLORED CONCRETE WHERE INDICATED IN THE LANDSCAPE PLANS. CONTRACTOR TO CONTACT PAUL WILLIAMS AT THE CITY OF FORT PIERCE ENGINEERING DEPARTMENT FOR COLOR AND PATTERN INFORMATION.
- 590-70 PAY ITEM TO INCLUDE COST OF ALL LABOR AND MATERIAL FOR INSTALLATION OF IRRIGATION SYSTEM. CONTRACTOR TO PROVIDE 4 "AS-BUILT" SETS AT TIME OF FINAL ACCEPTANCE.

SUMMARY OF STAMPED COLORED CONCRETE

LOCATION STA TO STA	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	SY	L	W	SY	
87+40	R			43.1				
91+90	R			37.9				
93+50	R/L			31.1				
93+90	L			44.6				
94+00	R			39.2				
94+35	R/L			22.1				
102+00	R			27.1				
109+00	R			29.2				
111+90	R			26.5				
115+00	R			27.6				
122+65	R			27.6				
130+90	R			25.0				
133+35	L			14.7				
133+35	R			13.3				
134+80	L			10.0				
134+80	R			10.0				
136+80	R/L			296.0				
803+10	R			34.8				
803+30	L			30.8				
808+60	L			47.0				
812+20	R			58.6				
812+40	L			46.6				
817+40	R			63.1				
817+50	L			43.2				
826+90	R			47.3				
827+00	L			28.3				
829+80	L			29.9				
831+80	L			13.3				
831+90	R			13.8				
PROJECT TOTAL:				1178.7				

REVISIONS						 THOMAS LUCIDO & ASSOCIATES, P.A. LAND PLANNING / LANDSCAPE ARCHITECTURE 100 AVE A, STE 2A, FORT PIERCE, FL 34906 (407) 467-1201 LANDSCAPE ARCHITECT OF RECORD: GREGORY L. BOGGS, RLA NO. 901 CERTIFICATE OF AUTHORIZATION: 7399-00900008	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			S.R. AIA (SOUTH OCEAN DRIVE/SEAWAY DRIVE)		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PHASE I GENERAL NOTES		LD-2
							AIA	ST. LUCIE	230297-1-58-01			

LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION	SIZE	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		REF. SHEET
					LD-6		LD-7		LD-8		LD-9		LD-10		LD-11		PLAN	FINAL	
					PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			
		LARGE PLANTS																	
580-1-1	SPI	CABBAGE PALM (SABAL PALMETTO)	18' - 24' O.A., CURVED	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
	PC	CANARY ISLAND DATE PALM (PHOENIX CANARIENSIS)	10' C.T.	PL	2	1	3	4	4	4	-	-	-	-	14	-			
	SP	CABBAGE PALM (SABAL PALMETTO)	10' C.T., MATCHED	PL	10	25	23	21	20	20	12	-	-	-	111	-			
		SMALL PLANTS																	
580-1-2	FIC	GREEN ISLAND FICUS (FICUS MACROCARPA 'GREEN ISLAND')	1 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-			
	HEL	DUNE SUNFLOWER (HELIANTHUS DEBILIS)	1 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-			
	HYM	SPIRDER LILY (HYMENOCALLIS LATIFOLIA)	3 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-			
	NER	DWARF OLEANDER (NERIUM OLEANDER 'ICE PINK')	3 GAL	PL	-	-	-	-	-	39	-	-	-	-	39	-			
	RHA	INDIAN HAWTHORN (RHAPHIOLEPIS INDICA)	3 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-			
	UNI	SEA OATS (UNIOLA PANICULATA)	3 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-			
xxx		PRE-CAST CONCRETE TREE GRATES		EA	-	-	-	-	-	-	-	-	-	-	-	-			
590-70		IRRIGATION SYSTEM		LS	-	-	-	-	-	-	-	-	-	-	1	-			
523-1-2		COLORED, STAMPED CONCRETE		SY	-	-	-	-	-	-	-	-	-	-	-	-			

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE. A, STE 2A, PORT PIERCE, FL 34969 (407) 467-1301
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 TABULATION OF QUANTITIES

SHEET NO. LD-3

LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION	SIZE	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		REF. SHEET
					LD-12		LD-13		LD-14		LD-15		LD-16		LD-17		PLAN	FINAL	
					PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			
		LARGE PLANTS																	
580-1-1	SPI	CABBAGE PALM (SABAL PALMETTO)	18'-24' O.A., CURVED	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
	PC	CANARY ISLAND DATE PALM (PHOENIX CANARIENSIS)	10' C.T.	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
	SP	CABBAGE PALM (SABAL PALMETTO)	10' C.T., MATCHED	PL	22	15	14	21	26	24					122				
		SMALL PLANTS																	
580-1-2	FIC	GREEN ISLAND FICUS (FICUS MACROCARPA 'GREEN ISLAND')	1 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
	HEL	DUNE SUNFLOWER (HELIANTHUS DEBILIS)	1 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
	HYM	SPIDER LILY (HYMENOCALLIS LATIFOLIA)	3 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
	NER	DWARF OLEANDER (NERIUM OLEANDER 'ICE PINK')	3 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
	RHA	INDIAN HAWTHORN (RHAPHIOLEPIS INDICA)	3 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
	UNI	SEA OATS (UNIOLA PANICULATA)	3 GAL	PL	-	-	-	-	-	-	-	-	-	-	-	-	-		
xxx		PRE-CAST CONCRETE TREE GRATES		EA	-	3	14	21	26	24					88				
590-70		IRRIGATION SYSTEM		LS	-	-	-	-	-	-	-	-	-	-	-	-	-		
523-1-2		COLORED, STAMPED CONCRETE		SY															

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE. A, STE 2A, PORT PIERCE, FL 34966 (848) 467-1301
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 TABULATION OF QUANTITIES

SHEET NO. LD-4

 12.15.09

LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION	SIZE	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		TOTAL ALL SHEETS		GRAND TOTAL		REF. SHEET
					LD-18		LD-19		LD-20		LD-21		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
					PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL							
		LARGE PLANTS																	
580-1-1	SPI	CABBAGE PALM (SABAL PALMETTO)	18'- 24' O.A., CURVED	PL	-	-	8	-	8	8	8								
	PC	CANARY ISLAND DATE PALM (PHOENIX CANARIENSIS)	10' C.T.	PL	-	-	12	-	12	26	333								
	SP	CABBAGE PALM (SABAL PALMETTO)	10' C.T., MATCHED	PL	21	24	16	5	66	299									
		SMALL PLANTS																	
580-1-2	FIC	GREEN ISLAND FICUS (FICUS MACROCARPA 'GREEN ISLAND')	1 GAL	PL	-	-	85	-	85	85									
	HEL	DUNE SUNFLOWER (HELIANTHUS DEBILIS)	1 GAL	PL	-	-	136	-	136	136									
	HYM	SPIDER LILY (HYMENOCALLIS LATIFOLIA)	3 GAL	PL	-	-	118	-	118	118									
	NER	DWARF OLEANDER (NERIUM OLEANDER 'ICE PINK')	3 GAL	PL	-	-	-	-	-	39	507								
	RHA	INDIAN HAWTHORN (RHAPHIOLEPIS INDICA)	3 GAL	PL	-	-	108	-	108	108									
	UNI	SEA OATS (UNIOLA PANICULATA)	3 GAL	PL	-	-	21	-	21	21									
xxx		PRE-CAST CONCRETE TREE GRATES		EA	21	24	7	5	57	146	146								
590-70		IRRIGATION SYSTEM		LS	-	-	-	-	1	1	1								
523-1-2		COLORED, STAMPED CONCRETE		SY						1178.7	1178.7								

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE A, STE 2A, FORT PIERCE, FL 34950 (888) 457-1501
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO: 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

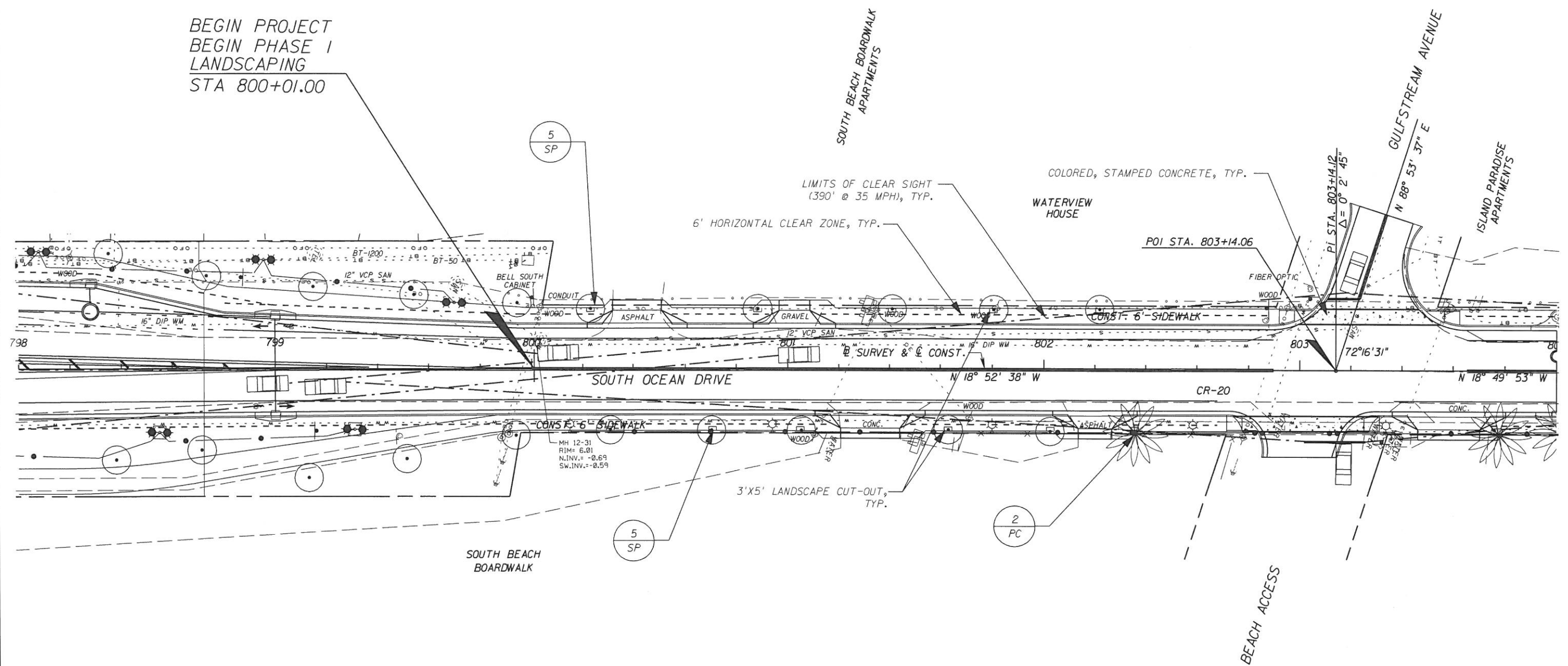
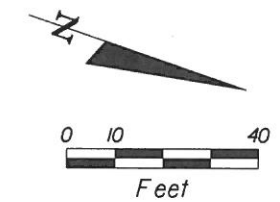
S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 TABULATION OF QUANTITIES

[Signature]
 6.12.09

SHEET NO.
 LD-5

SEAPOINTE
TOWERS

BEGIN PROJECT
BEGIN PHASE I
LANDSCAPING
STA 800+01.00



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
LAND PLANNING / LANDSCAPE ARCHITECTURE
100 AVE A, STE 2A, PORT PIERCE, FL 34986 (841) 467-1101
LANDSCAPE ARCHITECT OF RECORD:
GREGORY L. BOGGS, RLA NO: 901
CERTIFICATE OF AUTHORIZATION: 7399-00900008

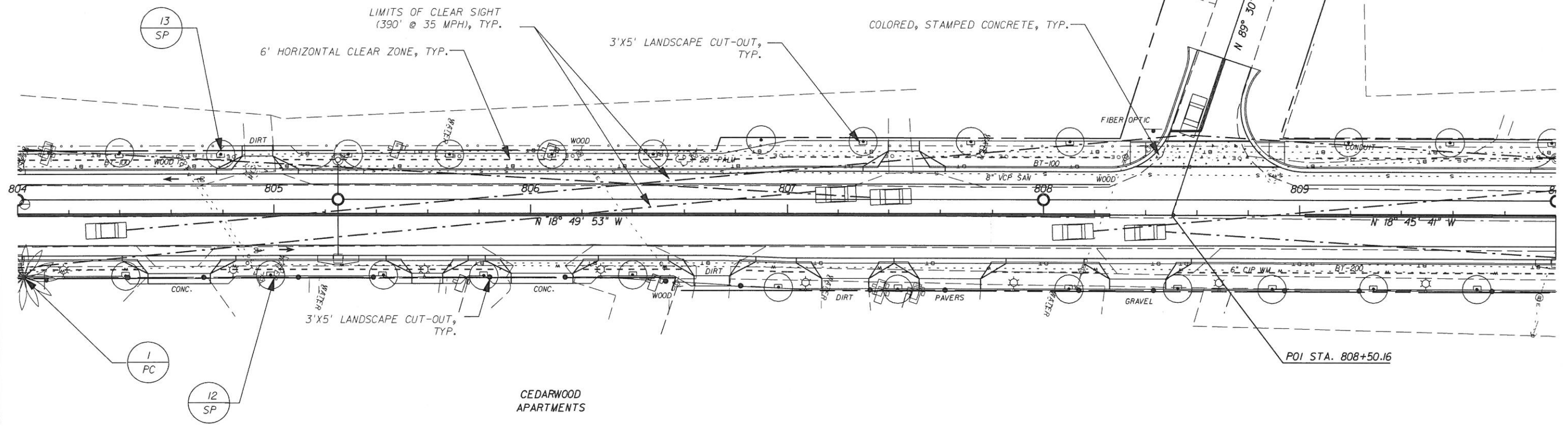
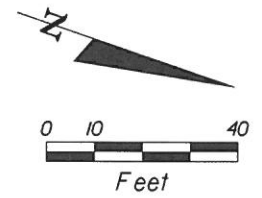
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
(SOUTH OCEAN DRIVE/SEAWAY DRIVE)
PHASE I
LANDSCAPE PLAN (SOUTH OCEAN DRIVE)
DATE: 6.12.09

SHEET NO.

LD-6

\$DATE\$ \$TIME\$ \$FILE\$



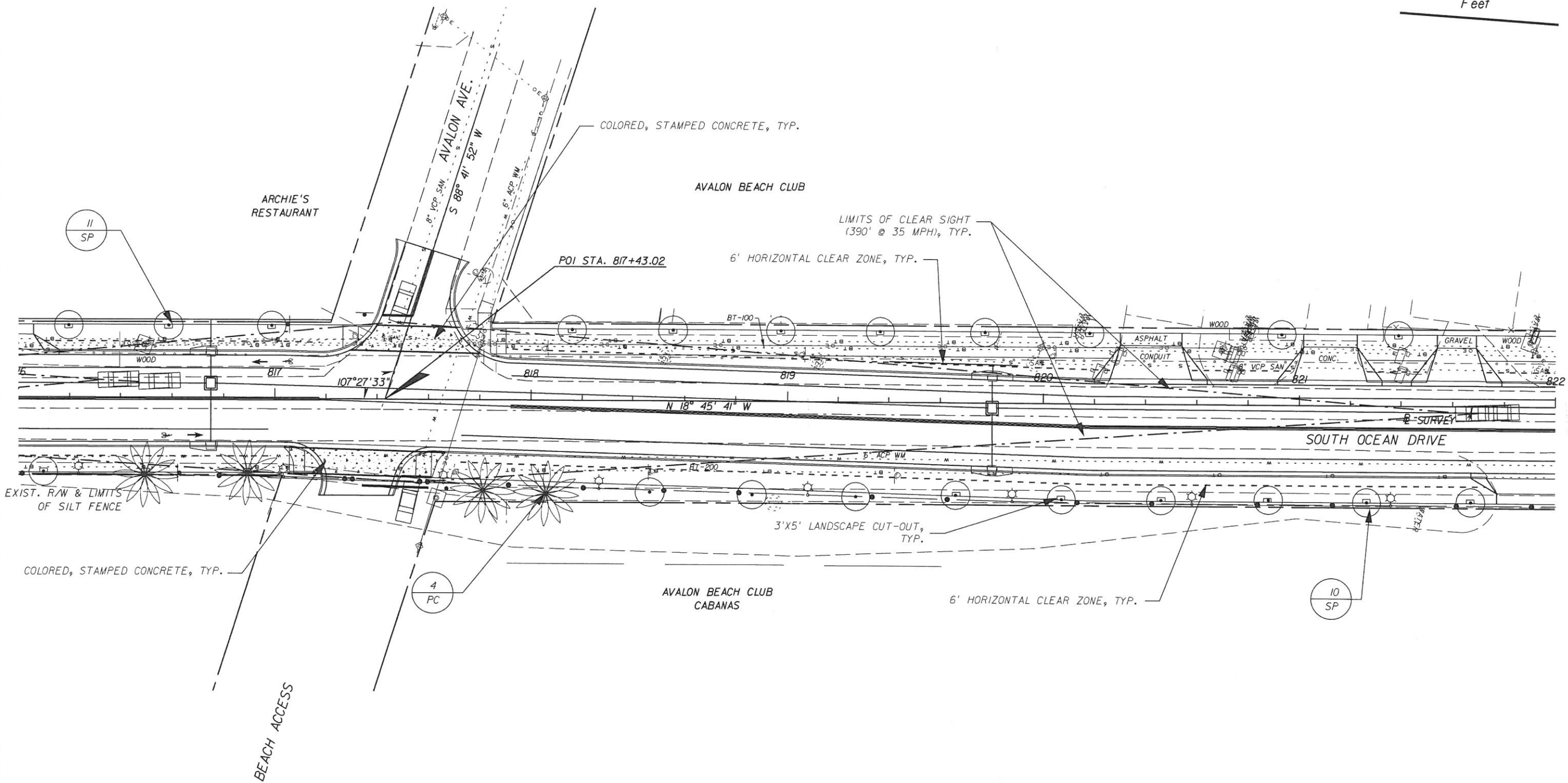
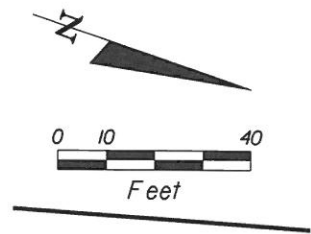
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE A, STE 2A, FORT PIERCE, FL 34946 (407) 467-1301
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7379-00900008


STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 LANDSCAPE PLAN (SOUTH OCEAN DRIVE)

SHEET NO.
 LD-7

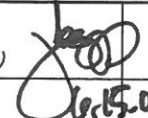


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

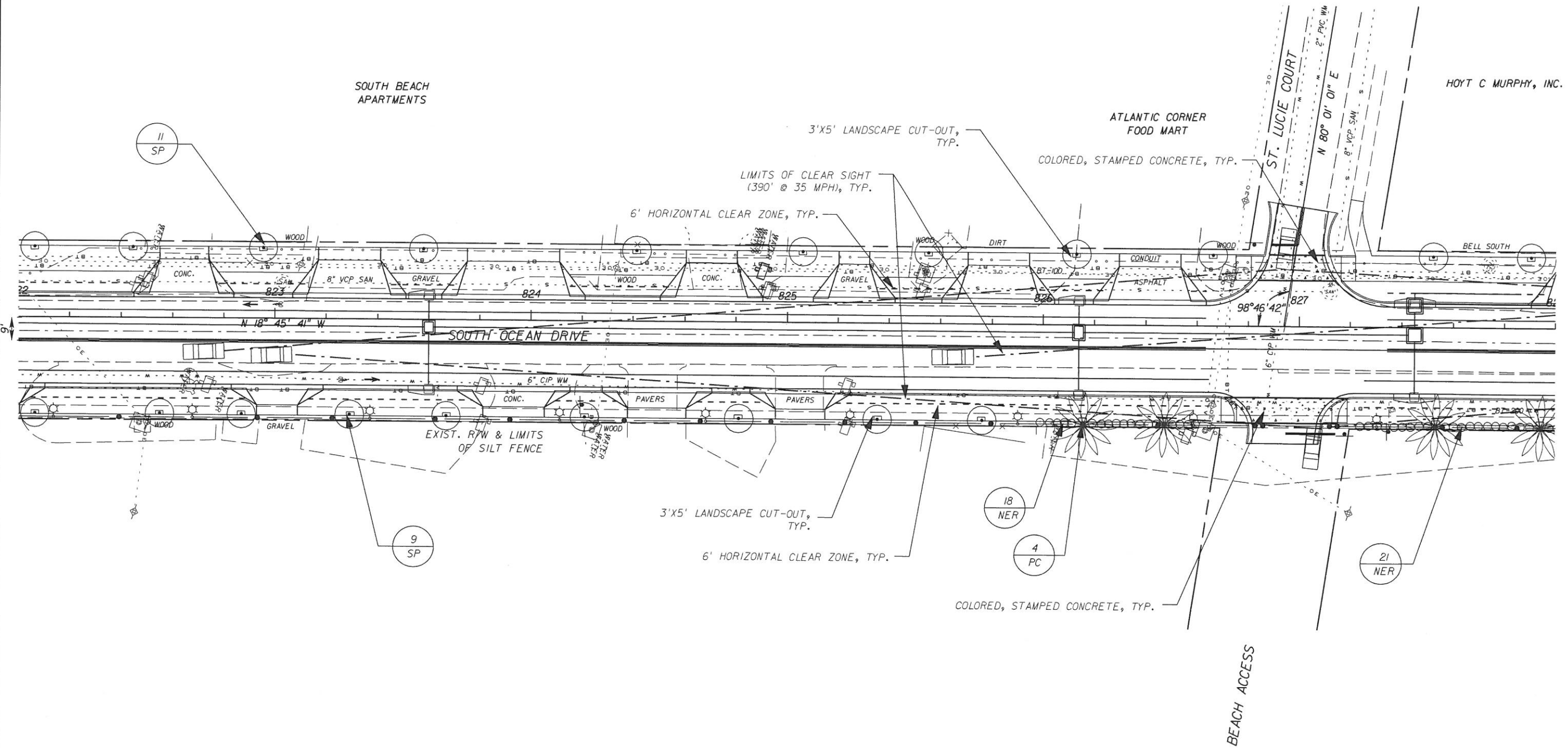
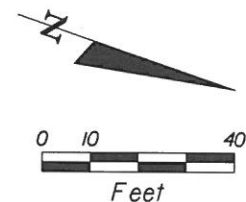

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE. A, STE 2A, FORT PIERCE, FL 34946 (407) 467-1801
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 LANDSCAPE PLAN (SOUTH OCEAN DRIVE)


 6.15.09
 SHEET NO. D-9

\$DATE\$ \$TIMES\$ \$FILES\$



SOUTH BEACH APARTMENTS

ATLANTIC CORNER FOOD MART

HOYT C MURPHY, INC.

SOUTH OCEAN DRIVE

BEACH ACCESS

ST. LUCIE COURT

BELL SOUTH

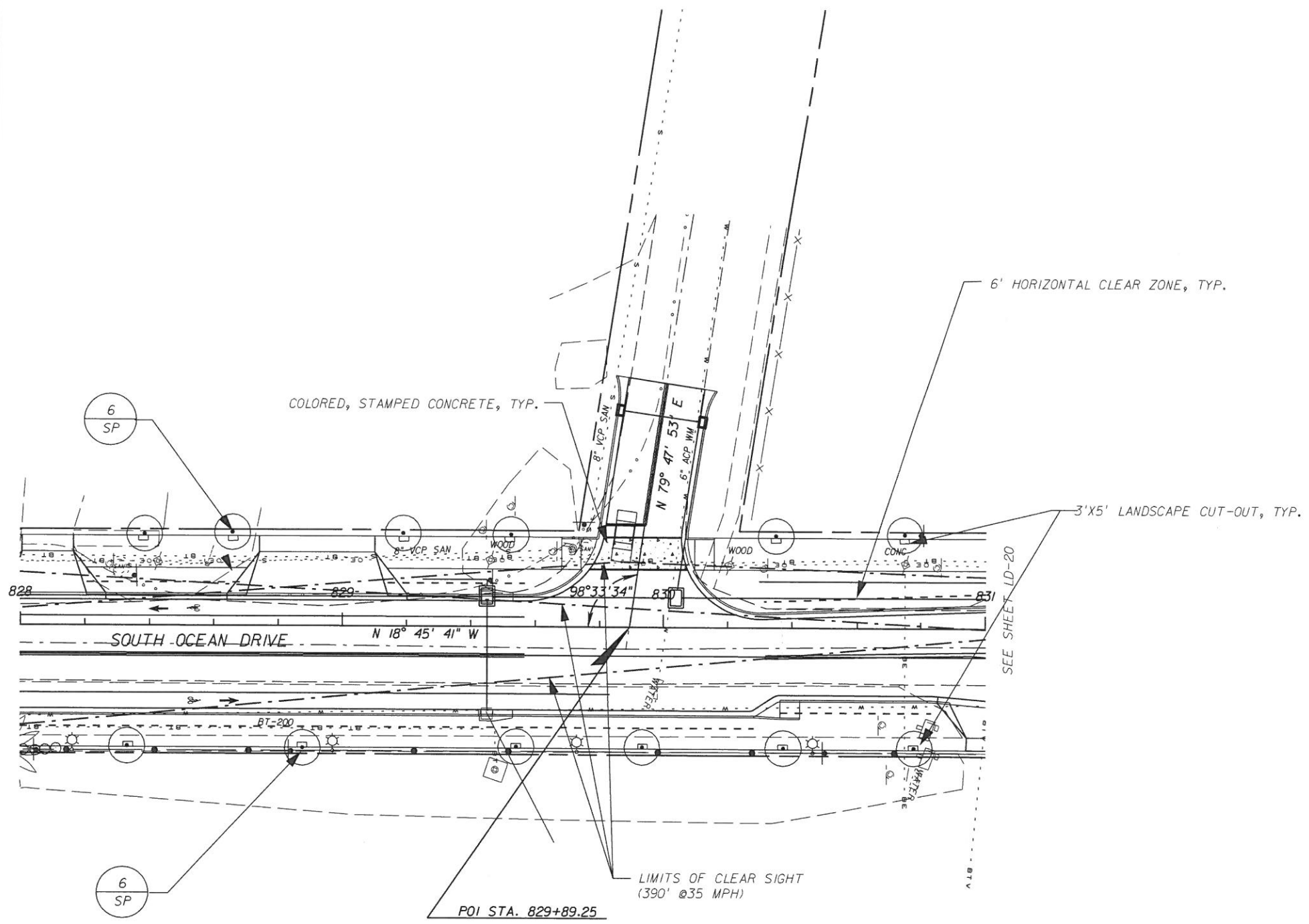
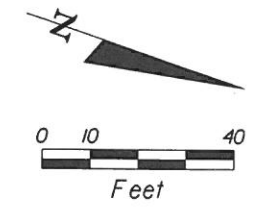
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE. A, STE 2A, FORT PIERCE, FL 34946 (689) 467-1201
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NQ 901
 CERTIFICATE OF AUTHORIZATION: 7379-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA (SOUTH OCEAN DRIVE/SEAWAY DRIVE)	 G.L. BOGGS	SHEET NO.
PHASE I LANDSCAPE PLAN (SOUTH OCEAN DRIVE)		LD-10

\$DATE\$ \$TIME\$ \$FILES\$



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE. A, STE. 2A, FORT PIERCE, FL 34946 (561) 467-1201
 LANDSCAPE ARCHITECT OF RECORD
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

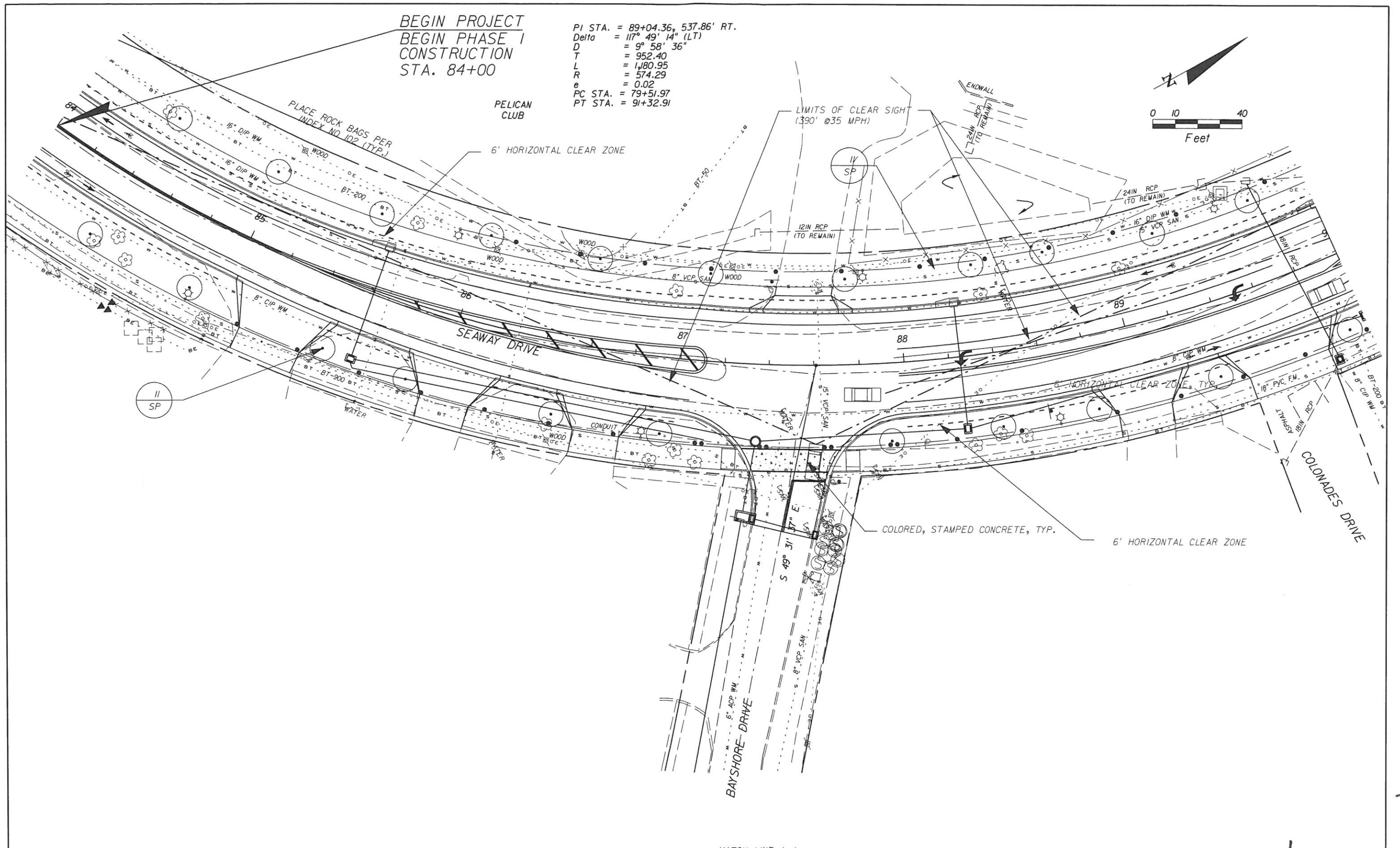
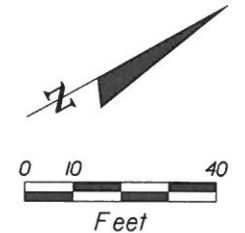
S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 LANDSCAPE PLAN (SOUTH OCEAN DRIVE)

SHEET NO. LD-II

\$DATE\$ \$TIMES\$ \$FILES\$

BEGIN PROJECT
 BEGIN PHASE I
 CONSTRUCTION
 STA. 84+00

PI STA. = 89+04.36, 537.86' RT.
 Delta = 117° 49' 14" (LT)
 D = 9° 58' 36"
 T = 952.40
 L = 1,180.95
 R = 574.29
 e = 0.02
 PC STA. = 79+51.97
 PT STA. = 91+32.91



MATCH LINE A-A

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

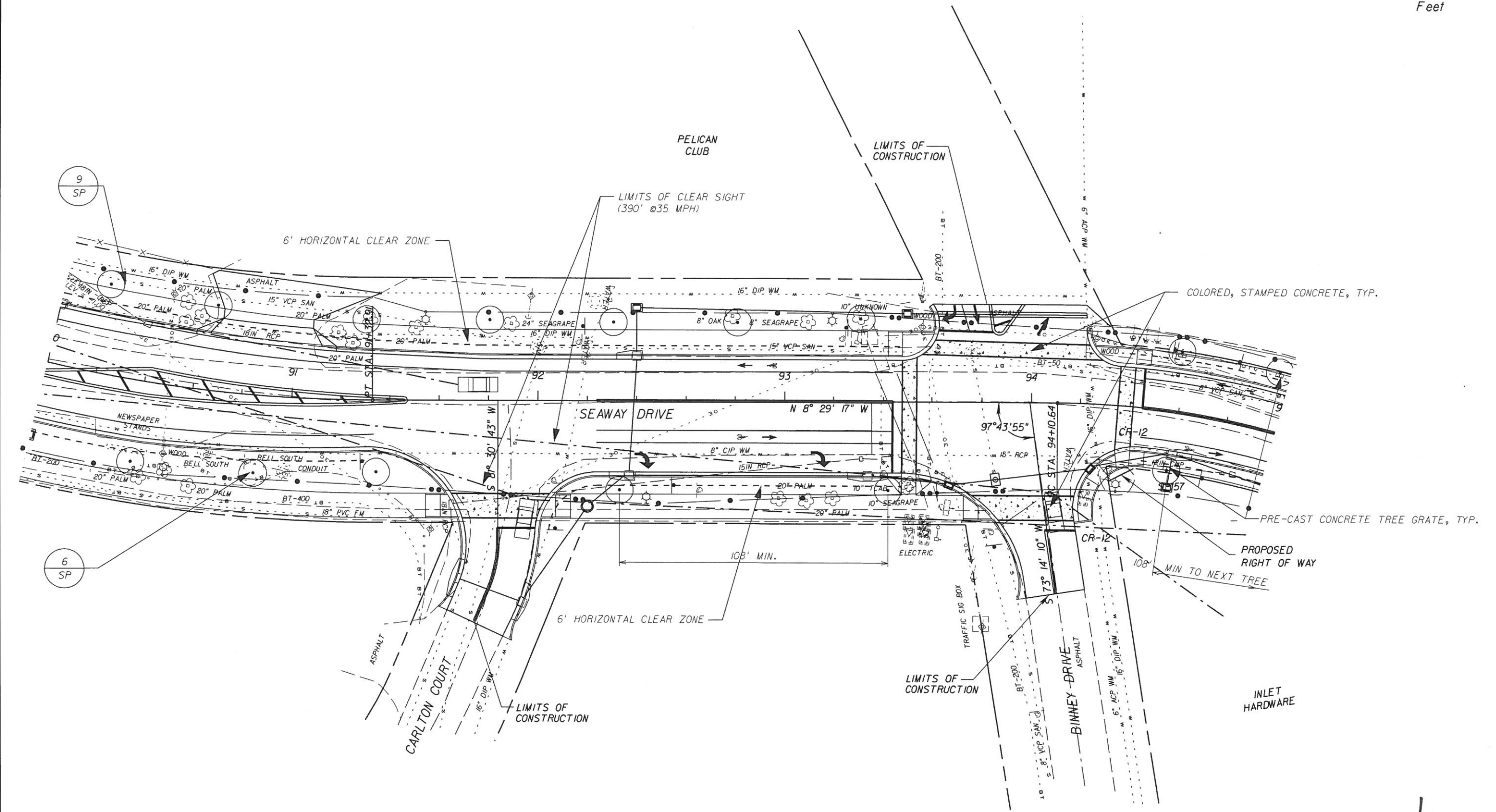
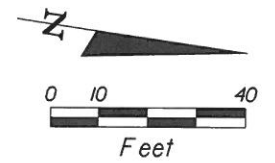
THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 300 AVE. A, STE 2A, FORT PIERCE, FL 34946 (688) 467-1501
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7339-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01


S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 LANDSCAPE PLAN (SEAWAY DRIVE)

SHEET NO. LD-12

\$DATE\$ \$TIME\$ \$FILE\$



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

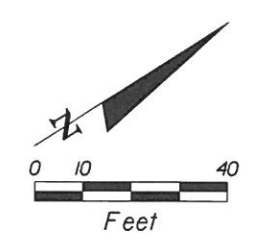
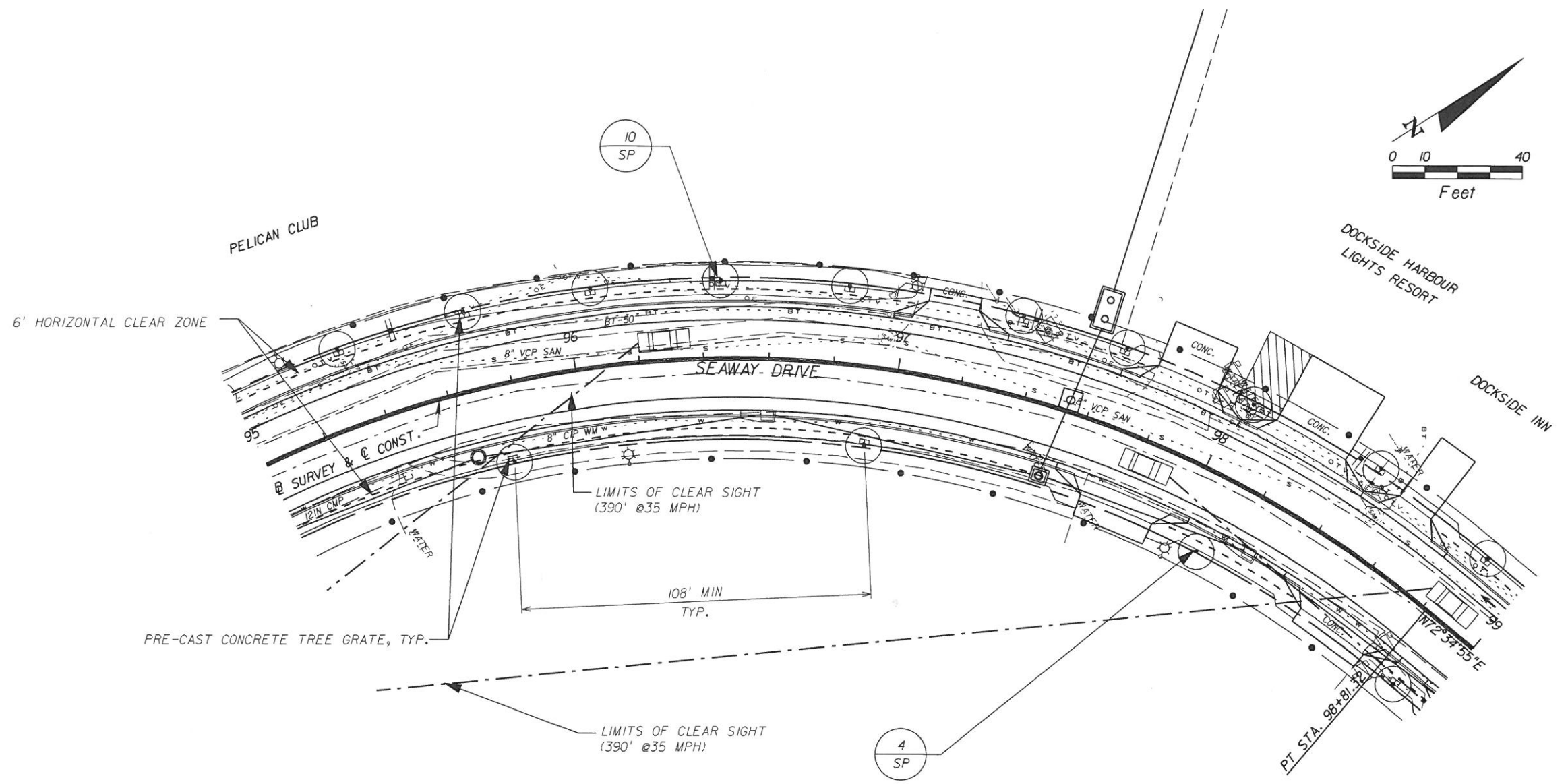

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 800 AVE. A, STE 2A, PORT PIERCE, FL 34064, (813) 467-1301
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO: 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE) *6.15.09*
 PHASE I
 LANDSCAPE PLAN (SEAWAY DRIVE)

SHEET NO. LD-13

\$DATE\$ \$TIME\$ \$FILE\$



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE. A, STE 2A, PORT PIERCE, FL 34864 (404) 467-1201
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

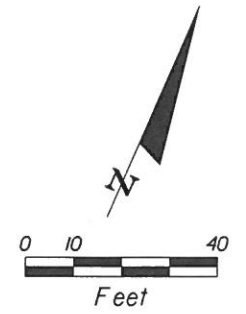
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 LANDSCAPE PLAN (SEAWAY DRIVE)

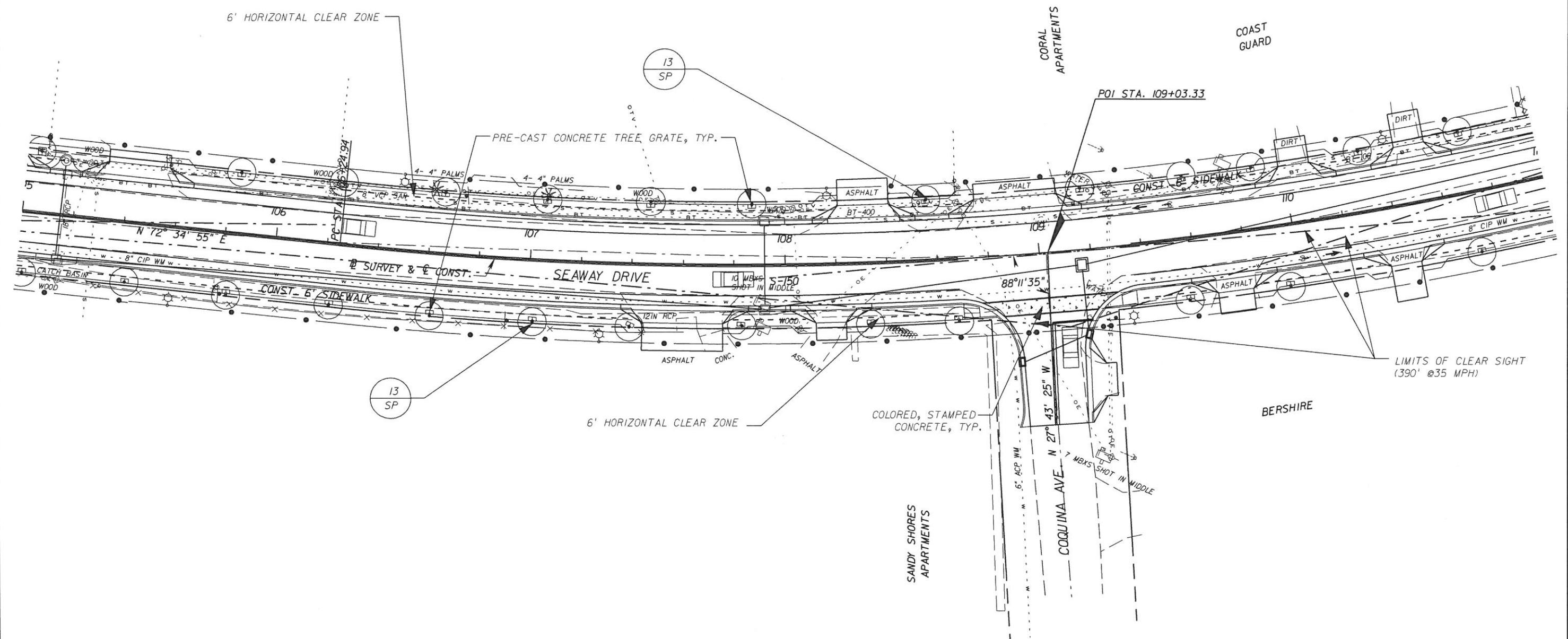
SHEET NO.
 LD-14

\$DATE\$ \$TIME\$ \$FILE\$

LA ENTRADA
DE MAR



COAST
GUARD



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

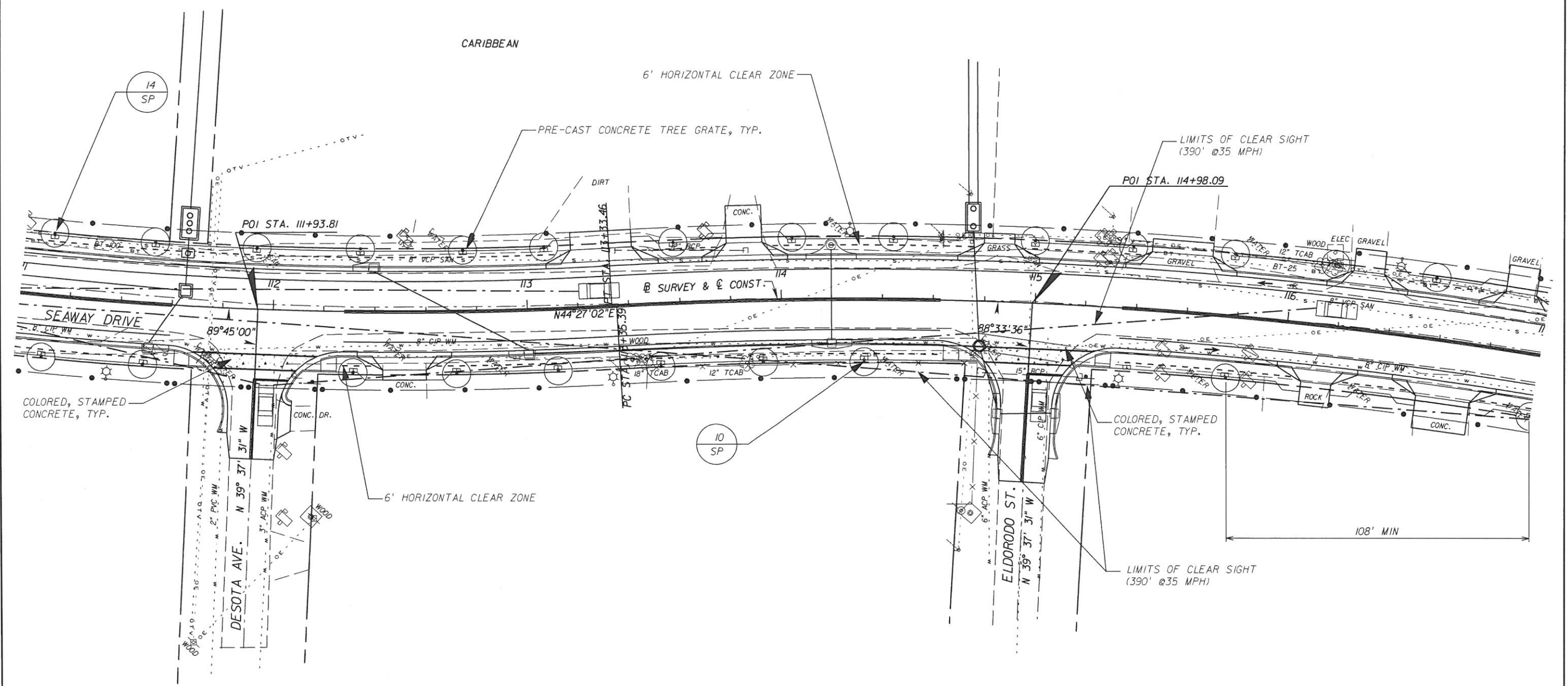
THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE. A, STE 2A, PORT PIERCE, FL 34908 (561) 467-1301
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01


S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 LANDSCAPE PLAN (SEAWAY DRIVE)

SHEET NO.
LD-16

#DATE# #TIME# #FILE#



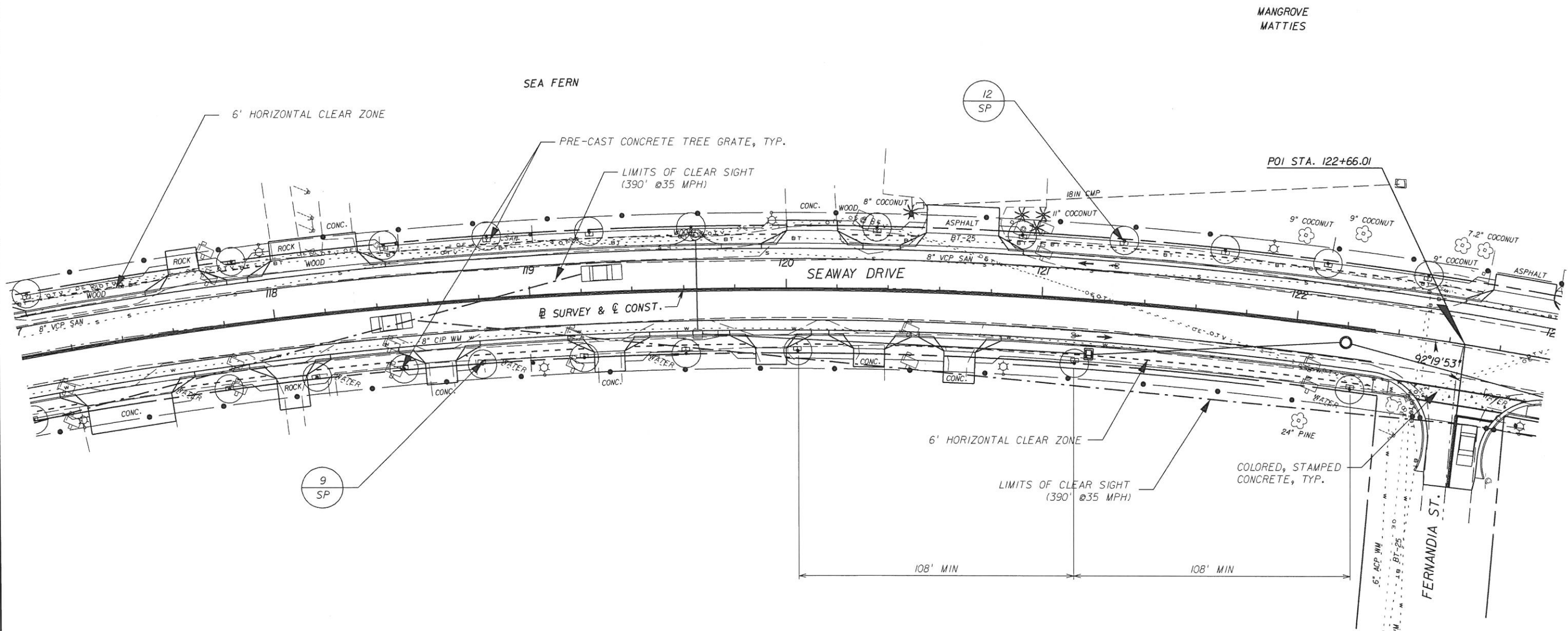
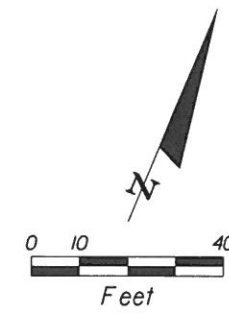
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE A, STE 2A, FORT PIERCE, FL 34946 (888) 467-1801
 LANDSCAPE ARCHITECT OF RECORD
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE) **61509**
 PHASE I
 LANDSCAPE PLAN (SEAWAY DRIVE)

SHEET NO. LD-17



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE A, STE 2A, FORT PIERCE, FL 34946 (407) 467-1301
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

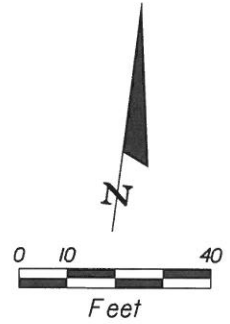
S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 LANDSCAPE PLAN (SEAWAY DRIVE)

SHEET NO.
LD-18

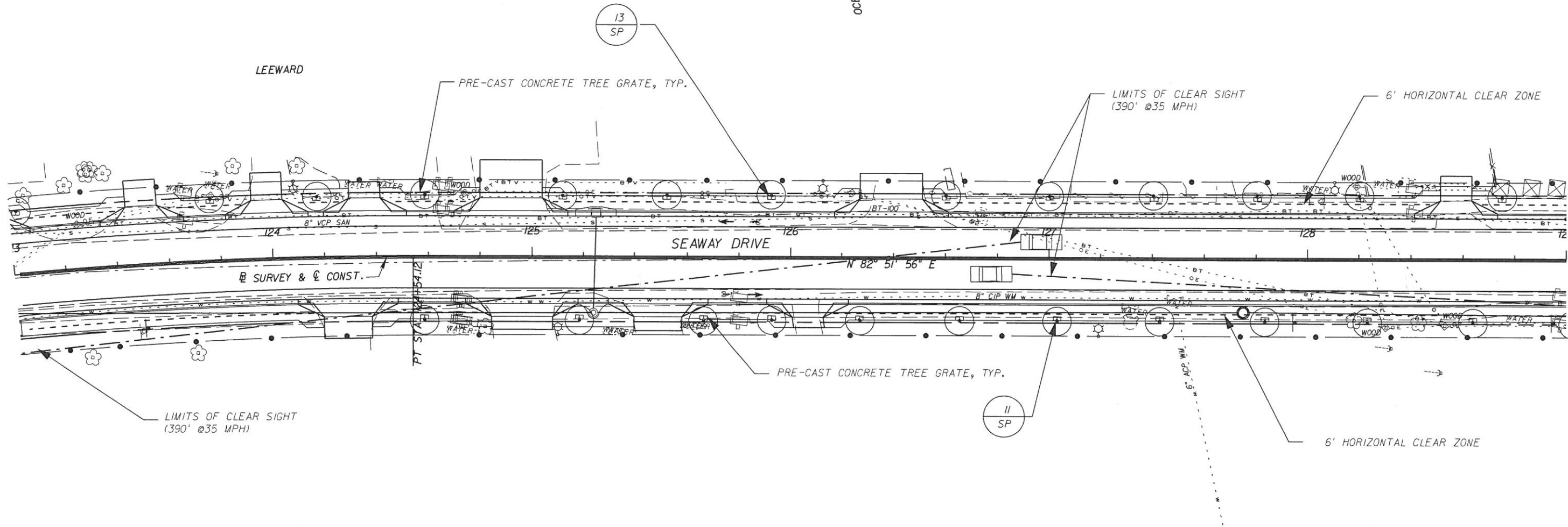
\$DATE\$ \$TIME\$ \$FILE\$

HOLIDAY BEACH
MOTEL

PI STA. = 119+16.70, 98.36' LT.
Delta = 38° 24' 54" (RT)
D = 3° 26' 02"
T = 581.31
L = 1,118.74
R = 1,668.59
PC STA. = 113+35.39
PT STA. = 124+54.12



OCEANAIRE LODGE



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

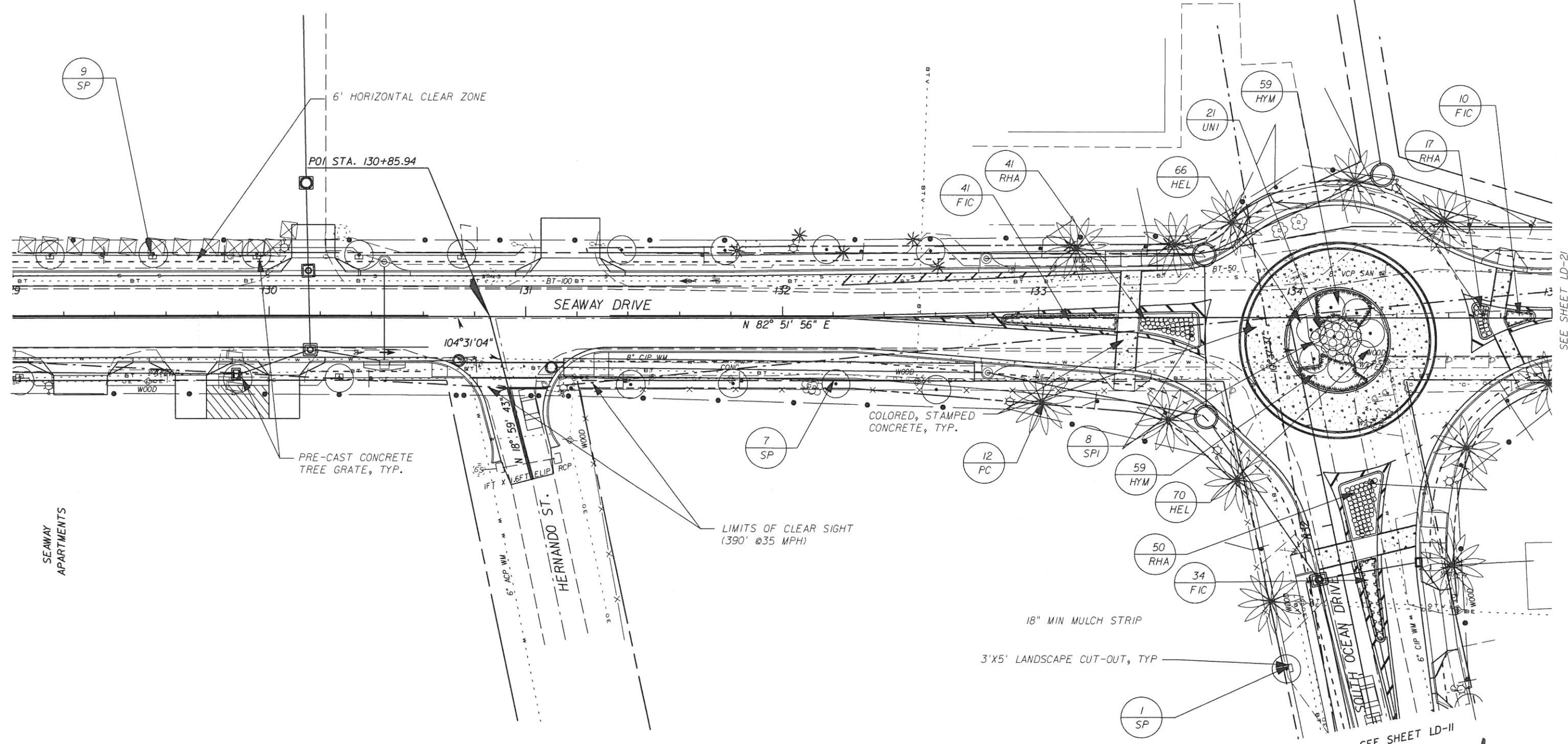
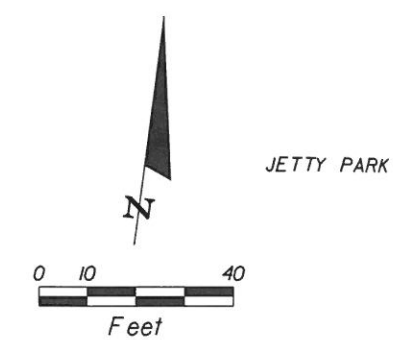
THOMAS LUCIDO & ASSOCIATES, P.A.
LAND PLANNING / LANDSCAPE ARCHITECTURE
100 AVE. A, STE 24, FORT PIERCE, FL 34950 (888) 467-1301
LANDSCAPE ARCHITECT OF RECORD:
GREGORY L. BOGGS, RLA NO. 901
CERTIFICATE OF AUTHORIZATION: 73399-00900008

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
(SOUTH OCEAN DRIVE/SEAWAY DRIVE)
PHASE I
LANDSCAPE PLAN (SEAWAY DRIVE)

SHEET NO.
LD-19

\$DATE\$ \$TIME\$ \$FILE\$



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE A, STE 2A, FORT PIERCE, FL 34946 (561) 467-1101
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

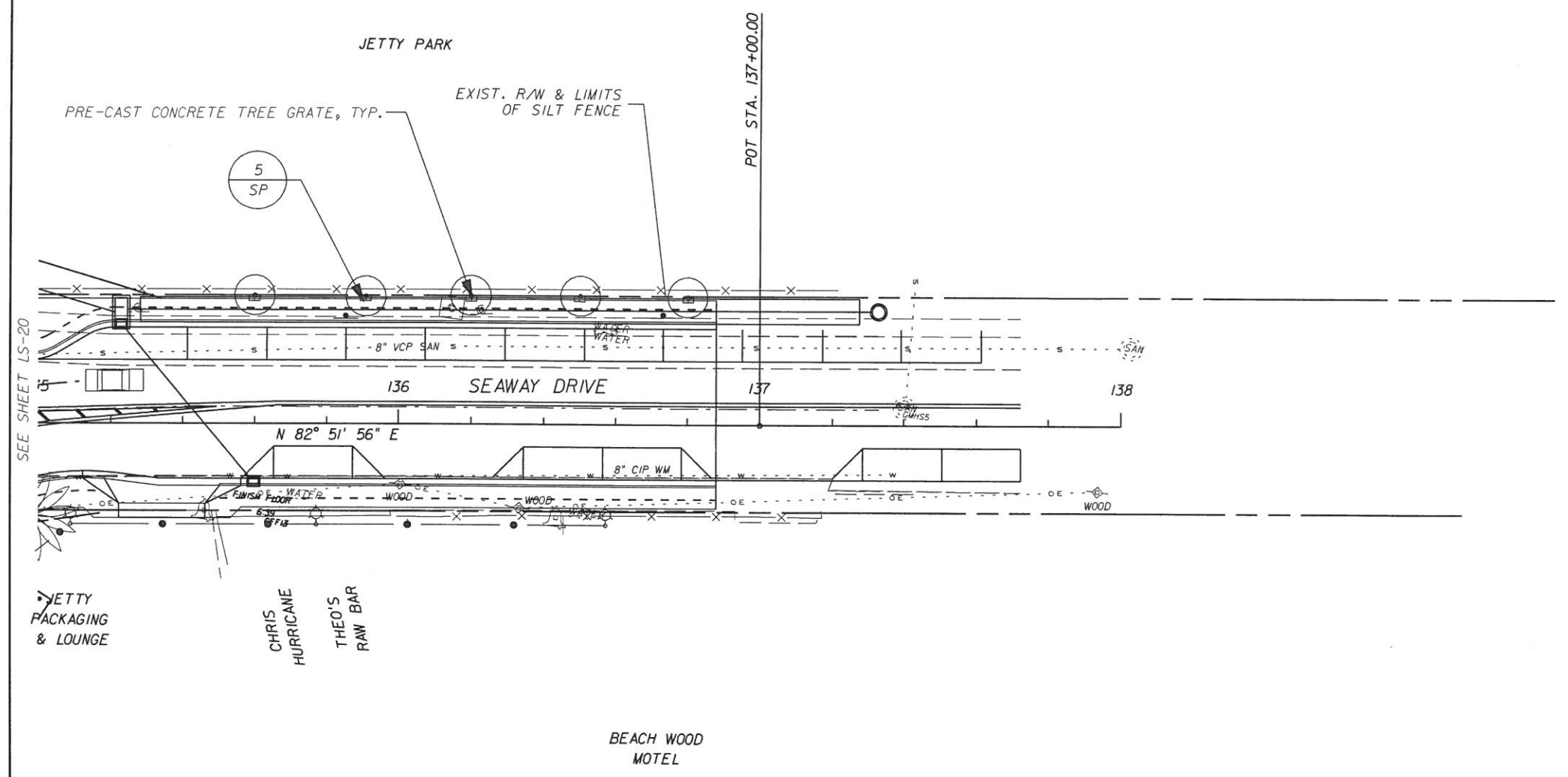
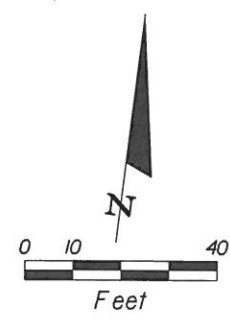
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE)
 PHASE I
 LANDSCAPE PLAN (SEAWAY DRIVE)

DATE: 6.15.09
 TIME: 10:00
 FILE: LD-20

SEE SHEET LD-21

SEE SHEET LD-11



SEE SHEET LS-20

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

THOMAS LUCIDO & ASSOCIATES, P.A.
 LAND PLANNING / LANDSCAPE ARCHITECTURE
 100 AVE A, STE 2A, FORT PIERCE, FL 34904 (407) 467-1101
 LANDSCAPE ARCHITECT OF RECORD:
 GREGORY L. BOGGS, RLA NO. 901
 CERTIFICATE OF AUTHORIZATION: 7399-00900008

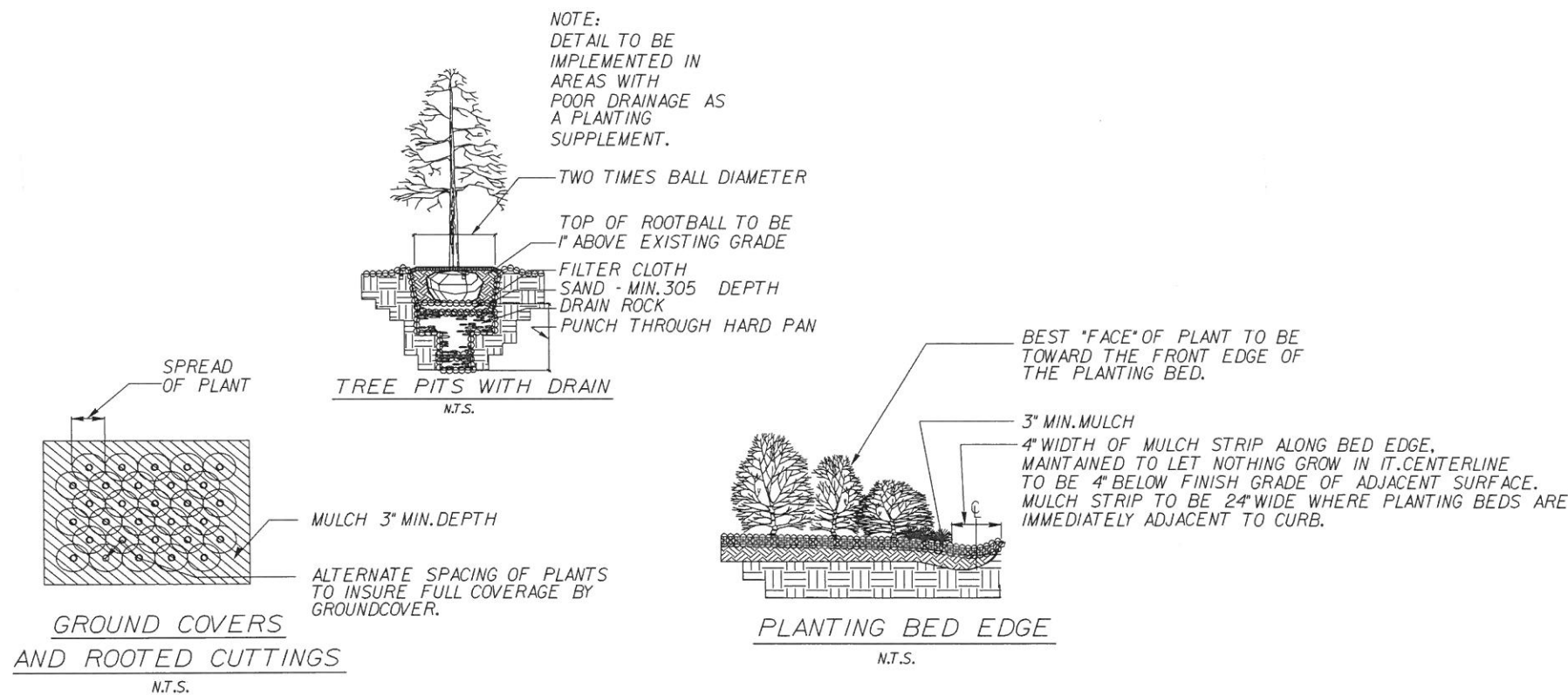
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	ST. LUCIE	230297-1-58-01

S.R. AIA
 (SOUTH OCEAN DRIVE/SEAWAY DRIVE) **6.15.09**
 PHASE I
 LANDSCAPE PLAN (SEAWAY DRIVE)
 SHEET NO. LD-21

LANDSCAPE LEGEND

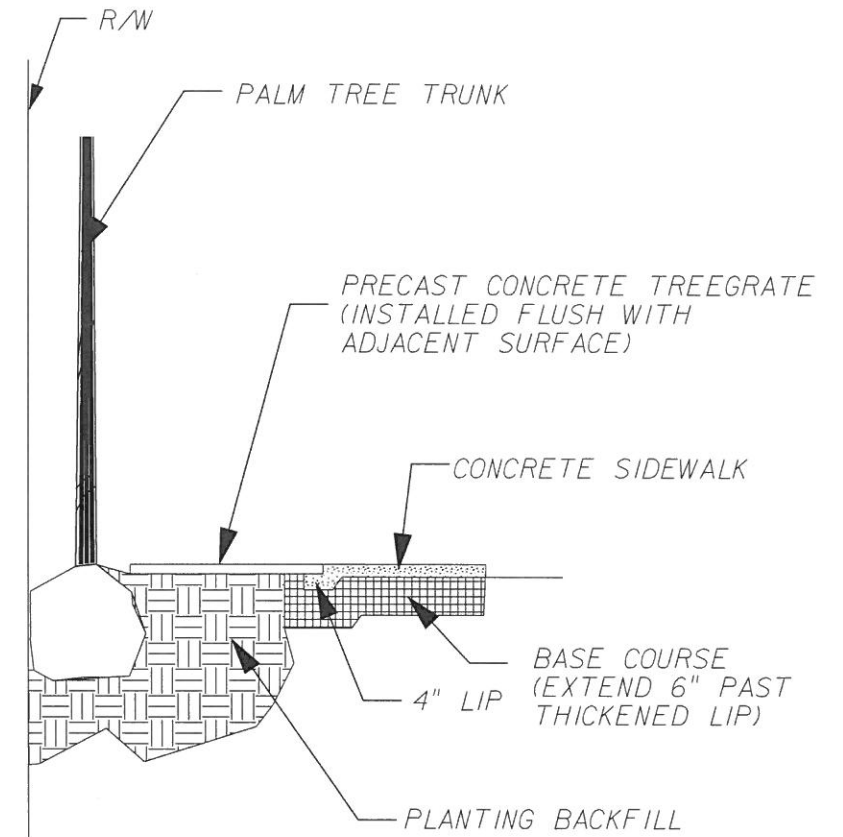
QTY	SYM	BOTANICAL NAME	COMMON NAME	INSTALL SIZE	PAY SIZE	SPACING	MAX. MAINTAINED SIZE
8	SPI	SABAL PALMETTO	CABBAGE PALM	FG, 18'-24' O.A., CURVED	LARGE	A.S.	30' HT, 15' SPR
27	PC	PHOENIX CANARIENSIS	CANARY ISLAND DATE PALM	FG, 10' C.T.	LARGE	A.S.	25' HT, 15' SPR
299	SP	SABAL PALMETTO	CABBAGE PALM	FG, 10' CT, MATCHED	LARGE	A.S.	30' HT, 15' SPR
85	FIC	FICUS MACROCARPA 'GREEN ISLAND'	GREEN ISLAND FICUS	1 GAL, 6"X6"	SMALL	24"	18" HT
136	HEL	HELIANTHUS DEBILIS	DUNE SUNFLOWER	1 GAL, 6"X6"	SMALL	24"	12" HT
118	HYM	HYMENOCALLIS LATIFOLIA	SPIDER LILY	3 GAL, 12"X12"	SMALL	24"	36" HT
65	NER	NERIUM OLEANDER 'ICE PINK'	DWARF OLEANDER	3 GAL, 18"X18"	SMALL	36"	24" HT
108	RHA	RHAPHIOLEPIS INDICA	INDIAN HAWTHORN	3 GAL, 12"X12"	SMALL	24"	24" HT
21	UNI	UNIOLA PANICULATA	SEA OATS	3 GAL, 24" HT	SMALL	36"	48" HT

NOTE: WHERE TREES ARE TO BE PLACED ADJACENT TO SIDEWALK OR WITHIN TREE GRATES, STAKING SHALL BE PLACED IN A MANNER THAT THEY DO NOT INTERFERE WITH THE FULL ACCESS OF THE SIDEWALK.



NOTE: MULCH NOT TO BE PLACED ON THE BASE OF THE SHRUB STERN AND ON THE TREE TRUNK.

NOTE: REFER TO INDEX 544 FOR PLANTING DETAILS



TREE GRATE DETAIL

NOTE: TREE GRATES TO BE INSTALLED WHERE SHOWN ON PLANS AND PER DETAIL. TREE GRATE TO BE INSTALLED FLUSH WITH ADJACENT HARD SURFACES.

REVISIONS						 THOMAS LUCIDO & ASSOCIATES, P.A. <small>LAND PLANNING / LANDSCAPE ARCHITECTURE 100 AVS A, STE 2A, PORT PIERCE, FL 34968 (848) 467-1501 LANDSCAPE ARCHITECT OF RECORD: GREGORY L. BOGGS, RLA NO: 901 CERTIFICATE OF AUTHORIZATION: 7399-00900008</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			S.R. AIA (SOUTH OCEAN DRIVE/SEAWAY DRIVE)		 SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PHASE I LANDSCAPE PLAN (SOUTH OCEAN DRIVE)		LD-22
						AIA	ST. LUCIE	230297-1-58-01	PHASE I LANDSCAPE PLAN (SOUTH OCEAN DRIVE)		LD-22	