FM No.: 421390-7-52-01, 421390-8-52-01
AGENCY: City of Fort Lauderdale

DISTRICT FOUR
MEMORANDUM OF AGREEMENT

THIS AGREEMENT, is entered into this _____day of _____, 20__, between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, an agency of the State of Florida, (the "DEPARTMENT") and CITY OF FORT LAUDERDALE, a municipal corporation existing under the Laws of Florida, (the "AGENCY").

RECITALS:

A. The AGENCY has jurisdiction over the following roadways, as part of the City Roadway System (the "Agency Roads"):

SW 18th Court	from FEC tracks to SW 1st Avenue
SW 1st Avenue	from SW 18th Court to SW 18th Street
SW 18th Street	from SW 1st Ave to S Andrews Ave
SE 6th Street	from S Andrews Ave to SE 3rd Ave
West Las Olas Blvd	from SW 1st Ave to S Andrews Ave
East Las Olas Blvd	from S Andrews Ave to SE 3rd Ave
SW 2nd Street	from SW 1st Ave to S Andrews Ave
SE 2nd Street	from S Andrews Ave to SE 3rd Ave
SW 1st Avenue	from W Las Olas Blvd to W Broward Blvd
NW 1st Avenue	from W Broward Blvd to NW 4th Street
NW 4th Street	from NW 1st Ave to N Andrews Ave
NE 4th Street	from N Andrews Ave to NE 3rd Ave
NE 6th Street	from N Andrews Ave to NE 3rd Ave ; and

B. Pursuant to Sections 339.07, 339.08 and 339.12, Florida Statutes and Federal funding provisions the DEPARTMENT is authorized to undertake projects within the AGENCY's geographical limits; and

C. Broward County, Florida (the "County") and the DEPARTMENT have entered into that certain Wave Project Agreement, dated June 14, 2016 (the "Project Agreement"), under the terms of which the DEPARTMENT has agreed to design and construct the 2.8 mile modern streetcar known as The Wave Streetcar, defined in the Project Agreement and for the purposes of this Memorandum of Agreement as the "Project"; and

D. The AGENCY, the Downtown Development Authority of the City of Fort Lauderdale (the "DDA") and the County have entered into an Interlocal Agreement effective

June 15, 2016, allocating responsibility for the local share of capital cost overruns for the Project; and

E. The DEPARTMENT and the South Florida Regional Transportation Authority (the "SFRTA") have entered into a Project Assumption Agreement dated August 26, 2016, pursuant to which the DEPARTMENT has agreed to assume responsibility for implementation of the Project; and

F. The AGENCY desires that the DEPARTMENT undertake responsibility for implementation of the Project; and

G. Pursuant to the terms of the Project Agreement, the DEPARTMENT request a resolution of the governing body of the AGENCY authorizing and requesting the DEPARTMENT to enter onto the rights-of-way or other real property owned by the AGENCY that is necessary and desirable for the construction and implementation of the Project (defined in the Project Agreement and for the purposes of this Memorandum of Agreement as the "City Real Property") for the purpose of designing and constructing the Project; and

H. Although not a party to the Project Agreement, the AGENCY is willing to enter into this Memorandum of Agreement with the DEPARTMENT under which the AGENCY will provide the DEPARTMENT, and the DEPARTMENT's contractor(s), with all rights necessary to enter onto the City Real Property in order to perform the work required to design and construct the Project; and

I. The Agency Roads are part of the City Real Property necessary and desirable for the construction and implementation of the Project; and

J. Pursuant to the Local Funding Agreement ("LFA") between the AGENCY and the DEPARTMENT, and all subsequent amendments thereto, the DEPARTMENT will demolish the existing building at the Vehicle Maintenance and Storage Facility ("VMF") site; and

K. The AGENCY by Resolution on the _____day of _____, 2017, a copy of which is attached hereto and by this reference made a part hereof, has approved this Memorandum of Agreement and has authorized the signatory below to execute this Memorandum of Agreement on behalf of the AGENCY;

AGREEMENT

In consideration of the mutual covenants expressed in this Memorandum of Agreement, and intending to be legally bound by this Agreement, the DEPARTMENT and the AGENCY agree that the foregoing recitals are true and correct and are incorporated as part of this Agreement, and further agree as follows:

1. Terms not defined in this Memorandum of Agreement shall have the meanings given in the Project Agreement.

2. The AGENCY hereby authorizes the DEPARTMENT and its contractors to enter onto the City Real Property, including the Agency Roads, to design and construct the Project. The AGENCY will certify to the DEPARTMENT that it owns fee title to the City Real Property reflected on right-of-way maps the AGENCY provides the DEPARTMENT for the DEPARTMENT's use in designing and constructing the Project. The DEPARTMENT will not be required to obtain any interest in the City Real Property from any third party in order to use the City Real Property for the Project (the DEPARTMENT has temporarily obtained title to the VMF Property, which will be conveyed to the County in accordance with the Project Agreement).

3. This Memorandum of Agreement constitutes the complete authorization of the AGENCY for the DEPARTMENT and the DEPARTMENT's contractors to enter onto the City Real Property and the VMF Property and to design and construct the Project in accordance with the Project Agreement.

4. The AGENCY shall continue to maintain the Agency Roads and any property owned by AGENCY until the DEPARTMENT begins construction of the Project.

5. It is understood and agreed by the parties that upon "final acceptance" by the DEPARTMENT of the Project, (as that term is described in the Standard Specifications for Roadway and Bridge Construction dated 2017, as amended by contract documents, "Final Acceptance"), and notice thereof to the AGENCY, the AGENCY shall be responsible for maintenance of those portions of the City's Real Property into which the Project is incorporated and do not form part of the streetcar tracks and infrastructure that will be maintained by the County under the Project Agreement, including roadway, curb, drainage, and sidewalk improvements adjacent to the streetcar infrastructure, described in Exhibit "A", at its own cost, in accordance with the following Federally and State accepted standards and all costs related thereto: (a) FDOT Plans Preparation Manual (PPM), current edition, (b) Florida Green Book dated 2013, as amended (c) Governing standards and specifications: FDOT Design Standards dated 2017, as amended (d) Standard Specifications for Roadway and Bridge Construction dated 2017, as amended by contract documents, and (e) Manual on Uniform Traffic Control Devices (MUTCD), current edition, or as amended. Upon Final Acceptance of the Project and after the warranty period has expired, the AGENCY shall also be responsible for maintenance of Project landscaping features incorporated into the City Real Property in accordance with this Agreement and the terms of the TIGER Grant or FTA Small Starts Grant for the Project with the exception of landscaping on the VMF Property and landscaping adjacent to the catenary wires due to proximity to high voltage live wire. The AGENCY shall properly water and fertilize the plants within the scope of the AGENCY's landscape maintenance responsible; to keep them as free as practicable from disease and harmful insects; properly mulch the planting beds; to keep the premises

free of weeds; mow the turf to the proper height; properly prune all plants which at a minimum includes removing dead or diseased parts of plants and replace removed plants with plants of the same species type, size, and grade as specified in the plans and specifications for the Project. The current planned landscaping for the Project is described in Exhibit B. The Department shall give the AGENCY ten (10) days' notice before Final Acceptance.

6. Additionally, in accordance with the Project Agreement, upon final acceptance the DEPARTMENT may convey to the AGENCY certain property interests acquired by the DEPARTMENT in connection with the Project that are adjacent to the Agency Roads.

   - Said conveyance shall include, and the AGENCY fully accepts, a transfer and assignment of all rights and obligations pursuant to any maintenance, utility agreement, subordinations and/or other agreements, or matters of record relating to the property to be conveyed and the AGENCY shall assume all responsibilities and liabilities arising from any obligations thereunder which responsibilities, liabilities, obligations as set forth in the conveyance documents shall run with the land. This provision shall survive the termination of this Agreement.

   - Notwithstanding any other provision herein to the contrary, the Department shall not be responsible for any costs or attorney fees arising out of any liabilities or obligations incurred regarding the right of way after the transfer of property.

7. Warranties: The DEPARTMENT shall transfer to the AGENCY any applicable warranties for work performed as part of the Project for which the AGENCY is responsible for continuing maintenance under the terms of this Agreement.

8. Project permitting: If requested by a third party permitting agency, the AGENCY shall sign as a joint applicant for the permits related to those portions of the Project that are located on the City Real Property. The DEPARTMENT must apply to all applicable permitting agencies to transfer any operating permits to the AGENCY if a permit is to be maintained by the AGENCY. It shall be the responsibility of the DEPARTMENT to produce applications or documents necessary for permitting. Further the AGENCY shall be in compliance with all permits after the construction is complete and the right of way is transferred to the AGENCY. To the extent permitted by law, the AGENCY shall indemnify the DEPARTMENT for any violations by the AGENCY of any permits issued to the Department or jointly to the AGENCY and the DEPARTMENT that occur after construction is complete. The AGENCY shall execute all documentation required by the permitting agencies in a timely manner. For various occupancy permits the AGENCY shall be the applicant.

9. Utilities: The AGENCY shall cooperate with the DEPARTMENT, to the extent necessary, to accomplish relocations of existing utilities for the Project. The AGENCY will assist the DEPARTMENT in compelling utility owners to relocate or adjust if the utility occupies City Real Property by permit, franchise, ordinance, or other authorization that permits the AGENCY to require the utility to relocate or adjust its facilities, as necessary. The AGENCY believes, and has taken the position, that all utilities that exist under a permit, franchise, or other authorization issued by the AGENCY are legally required to relocate their facilities to accommodate the Project, at the sole cost and expense of each utility. If a utility that exists under a permit, franchise, or other authorization issued by the AGENCY refuses to timely relocate its facilities to accommodate the Project without payment by the AGENCY or the DEPARTMENT, and the DEPARTMENT, with the assistance of the AGENCY, is unable to compel relocation by the utility at the utility's own cost in a timely manner to avoid delays to the Project, the DEPARTMENT may, but shall not be required to, take steps to accomplish relocation of such utility.

The DEPARTMENT will relocate certain AGENCY owned water lines, sanitary sewer lines and drainage as required for construction of the Project (the "City Utilities") and as provided herein. Any costs incurred by the DEPARTMENT in order to accomplish utility relocation for this Project, including the cost of relocating the City Utilities, shall be paid for in accordance with the terms of the Project Agreement, except as provided below.

For relocation of the City Utilities in connection with the Project:

a. The design and construction work required to relocate the City Utilities will be performed by the DEPARTMENT's Design-Build contractor procured in accordance with the Project Agreement. The DEPARTMENT shall, and shall require its contractor to, allow AGENCY staff to inspect the work for relocation of the City Utilities at any time during regular business hours upon advance coordination with the DEPARTMENT and its contractor. The DEPARTMENT shall allow the AGENCY reasonable opportunity to monitor and test components and systems related to the relocation of the City Utilities. The AGENCY will timely provide the DEPARTMENT Project manager with all comments and concerns regarding Project plans that address relocation of the City Utilities to allow the DEPARTMENT adequate time to formally address those concerns with the DEPARTMENT's Design-Build Contract contractor. The AGENCY shall immediately notify the DEPARTMENT if it believes that any aspect of the construction work for relocation of the City Utilities is deficient or otherwise not in accordance with this Agreement.

b. Design and construction of the relocation of the City Utilities shall accomplish relocation of the City Utilities as required for construction of the Project, but shall not include enhancements or upgrades to the City Utilities that are not required for implementation of the Project.

c. The AGENCY shall fully cooperate with the DEPARTMENT and the DEPARTMENT's contractor in all matters relating to the performance of the work required to relocate City Utilities. The AGENCY shall be notified by the DEPARTMENT for inspections a minimum of 48 hours before inspection. The AGENCY shall be notified by the DEPARTMENT, and provide approval in writing, for any change to an already approved design before such change is accepted. The AGENCY recognizes that the DEPARTMENT's engineer has authority over the Project and will make every effort to make timely decisions and assist the DEPARTMENT with keeping the project on time and on budget. The AGENCY shall coordinate and cooperate with the DEPARTMENT's engineer.

d. The City Utilities shall at all times remain the property of and be properly protected and maintained by the AGENCY; provided, however, that the AGENCY shall not be obligated to protect or maintain the City Utilities to the extent the DEPARTMENT's contractor has that obligation pursuant to the Design-Build contract for the Project.

e. To avoid the potential for inconsistent direction to the DEPARTMENT's contractors, representatives of the AGENCY shall address comments and concerns regarding Department contractors' work to the DEPARTMENT Project manager and not the contractor. Disputes regarding the performance of work by the DEPARTMENT's contractor will be resolved in accordance with the statutory claims and dispute resolution process established pursuant to chapter 337, Florida Statutes, and the Department design-build specifications, including the Partnering specification found at http://www.fdot.gov/programmanagement/Implemented/DesignBuild/HistoryDB/July16/Default.shtm.

f. If AGENCY staff have concerns regarding the DEPARTMENT's actions or interpretation of this Agreement during the course of the Project, they will advise the AGENCY Director of Transportation and Mobility Department who will discuss the concern with the Department's District 4 Operations Director, or their designee. If the AGENCY is not satisfied with the DEPARTMENT's position on the matter after such consultation, the AGENCY City Manager will discuss the issue with the DEPARTMENT's District 4 Secretary.

g. Any costs incurred by the DEPARTMENT to relocate the City Utilities that are attributable to the cost of enhancements or upgrades to the City Utilities requested by the AGENCY, in excess of the base requirements for implementation of the Project, shall be paid in full by the AGENCY. Such costs shall be approved by AGENCY prior to being incurred by the DEPARTMENT or CONTRACTOR. Upon approval by AGENCY and work is deemed acceptable by AGENCY, costs shall be paid by the AGENCY within sixty (60) days of the date of invoice by the DEPARTMENT. Funds due from the AGENCY not paid within forty (60) calendar

days from the date of the invoice are subject to an interest charge at a rate established pursuant to section 55.03, Florida Statutes.

10. Signals: The AGENCY shall cooperate with the DEPARTMENT, to the extent necessary, to affect signal and interconnect connections for the Project.

11. Drainage: Any permits relating to the City Real Property will be obtained in the AGENCY's name and signed for by the AGENCY.

12. Unforeseen issues: If unforeseen issues shall arise, the AGENCY shall cooperate with the DEPARTMENT, to the extent necessary, in order to construct the Project including but not limited to executing documents, allowing the DEPARTMENT or its contractor to enter into any real property owned, possessed and controlled by the AGENCY or any other Occupancy right the AGENCY may have.

13. E-verify requirements: The AGENCY:

    - shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the AGENCY during the term of the contract; and

    - shall expressly require any contractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the contractor during the contract term.

14. No deviation from the terms hereof shall be predicated upon any prior representation or agreements whether oral or written.

15. This Agreement shall be governed, interpreted and construed according to the laws of the State of Florida.

16. LIST OF EXHIBITS

    Exhibit A: Project Scope
    Exhibit B: Concept Landscape Plans

17. Pursuant to the terms of the Project Agreement the Department agreed to take over responsibility for administering the remaining state, local, and federal funds for the Wave Streetcar previously in the possession and control of SFRTA . The Department acknowledges that the balance of the AGENCY's local contribution includes

overpayment of $75,000 due to the appraised value of the VMF Property exceeding the original estimate when transferred to the SFRTA.

18. The Department acknowledges that portion of the AGENCY's local funding is secured by a special assessment imposed by the AGENCY for the purpose of constructing the Wave Streetcar Project. The Department shall provide the AGENCY with a full accounting of the uses of such funds upon request and shall reimburse the AGENCY the assessment amount in the event that the Project is not constructed.

[This space intentionally left blank.]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year provided below on _____ day of _____, 20_____.

AGENCY

CITY OF FORT LAUDERDALE, a municipal corporation of the State of Florida

ATTEST:

By_____
LEE R. FELDMAN, City Manager

Date: _____

_____
JEFFREY A. MODARELLI
City Clerk

(CORPORATE SEAL)

Approved as to form:

_____
D'WAYNE M. SPENCE
Assistant City Attorney

DEPARTMENT

ATTEST:

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

_____
Executive Secretary
(SEAL)

By:_____
Transportation Development Director

_____ day of _____, 20_____

Approval :

_____
Office of the General Counsel (Date)

FM No.: 421390-7-52-01, 421390-8-52-01
AGENCY: City of Fort Lauderdale

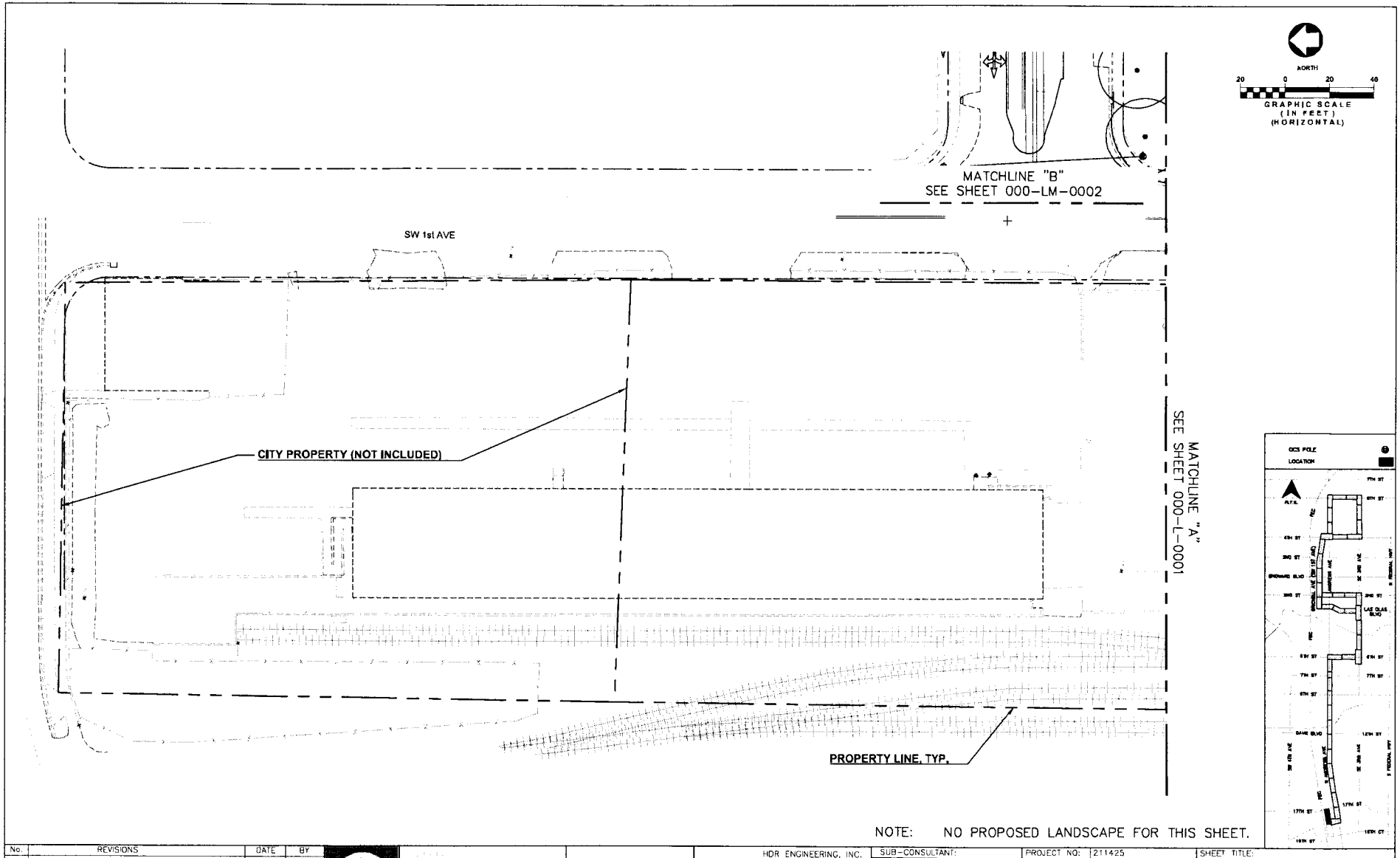
EXHIBIT A
Project Scope
PROJECT MAINTENANCE RESPONSIBILITIES OF AGENCY

City shall maintain all aspects of the Project located on the Agency Roads or other City Real Property, except the streetcar infrastructure to be maintained by the County pursuant to the Project Agreement, including:

- Asphalt
- Drainage
- Curb & Gutter
- Sidewalk
- Pavement Markings
- Lighting
- Decorative Features installed by the PROJECT such as:
    - Brick or Concrete Pavers within the sidewalk
    - Stamped Asphalt
    - Concrete headers
    - Landscaping (the obligation to maintain Project landscaping includes all landscaping installed with the geographical limits of the AGENCY, whether located on an Agency Road or other facility).

EXHIBIT B

CONCEPT LANDSCAPE PLANS



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR

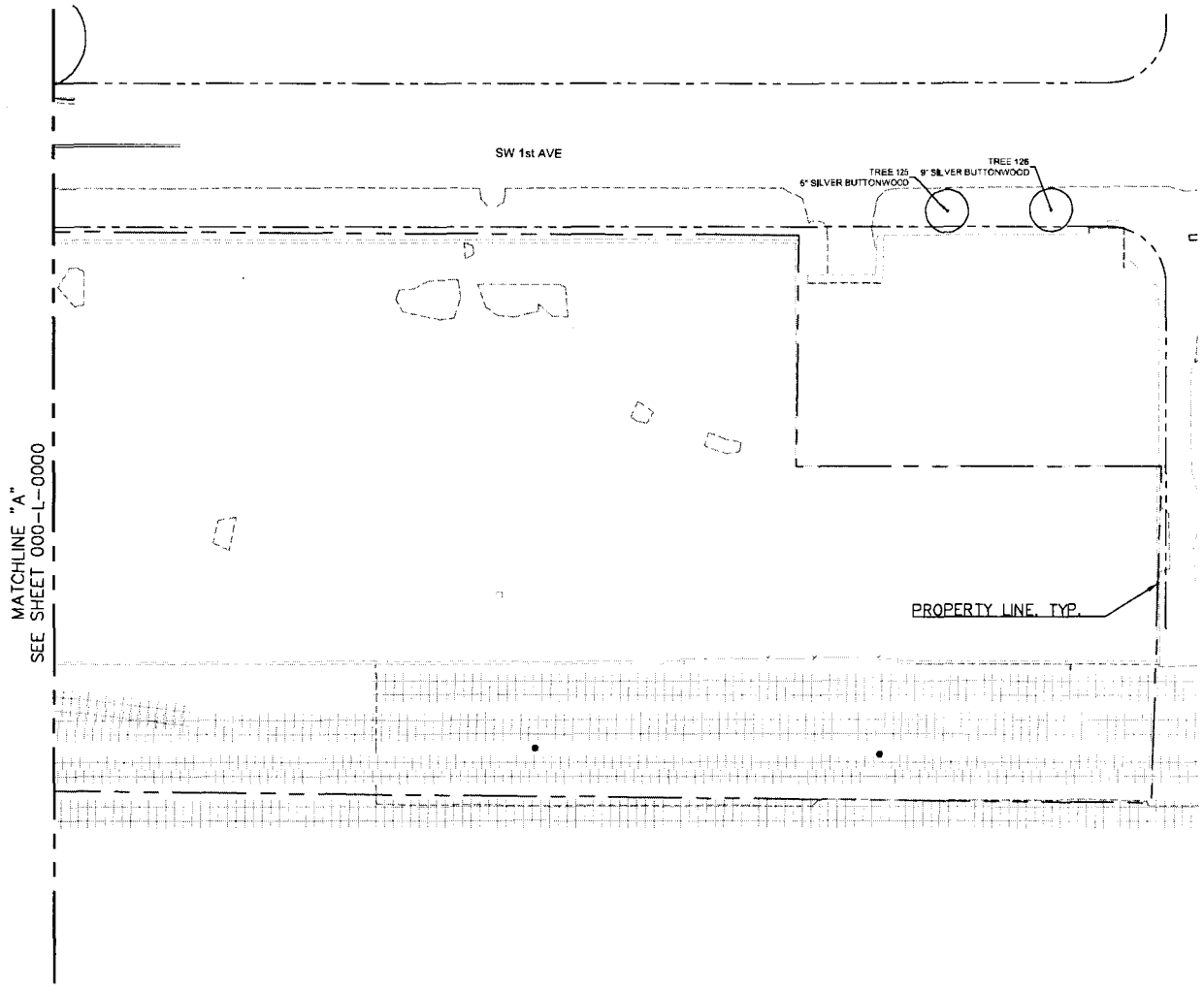
HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309
(954)535-1876

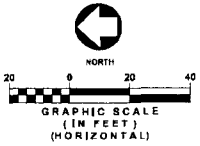
SUB-CONSULTANT:
Kimley»Horn

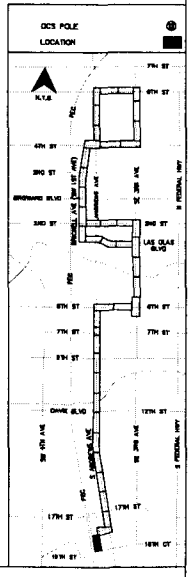
PROJECT NO:	211425
DATE:	09-14-2016
DRAWN BY:	TW
CHECKED BY:	MG
COPYRIGHT:	HDR ENGINEERING, INC.
CONTRACT SHEET NO.	OF

SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0000







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SFRTA CONTRACT NUMBER: 12-008

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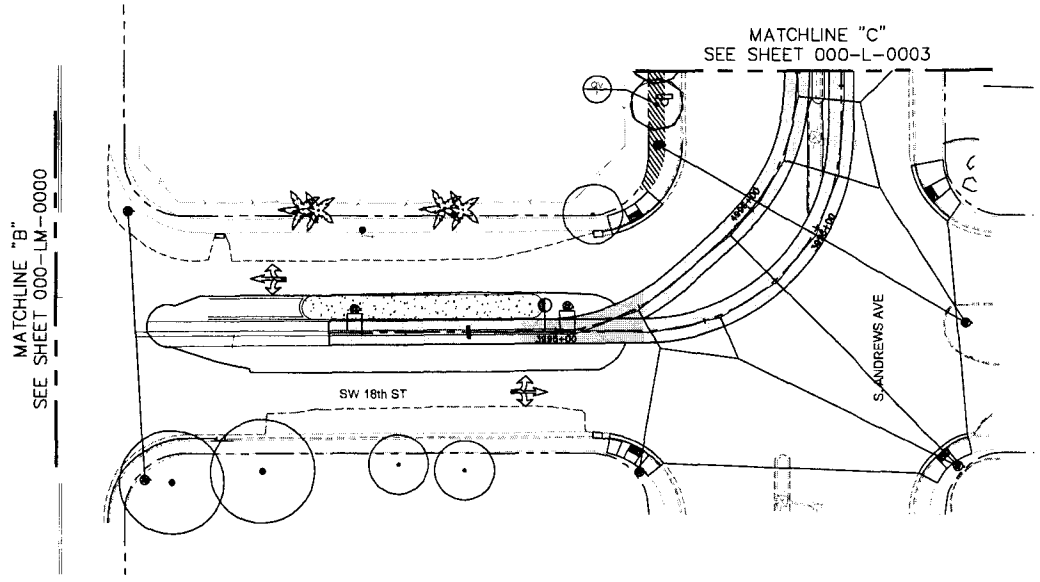
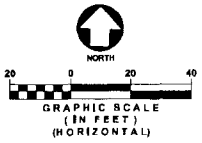




PLANT SCHEDULE

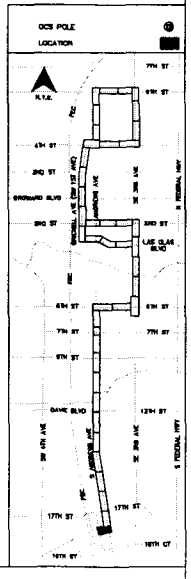
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	"Floratam" St. Augustine SEE PLAN, CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



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SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:
Kimley»Horn

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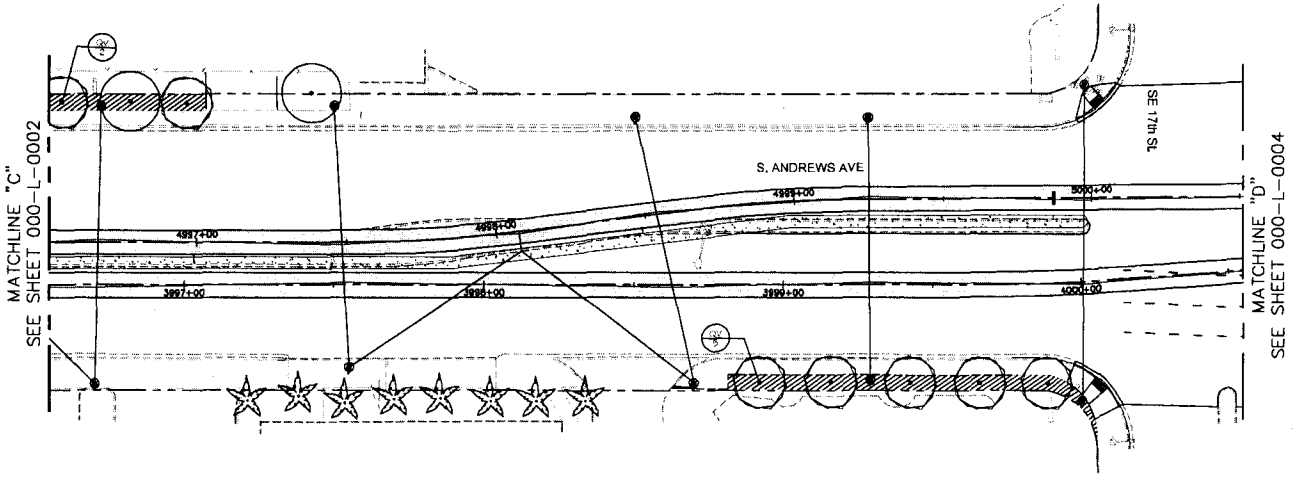

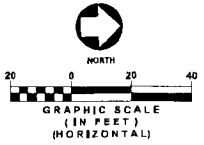

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GROUND COVERS	CODE	COMMON NAME
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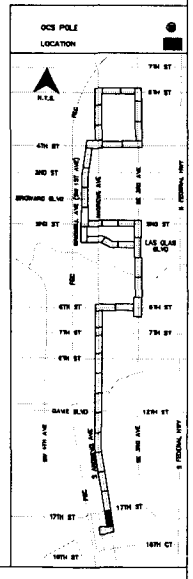

No.	REVISIONS	DATE	BY

The Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100, FORT LAUDERDALE, FL 33309

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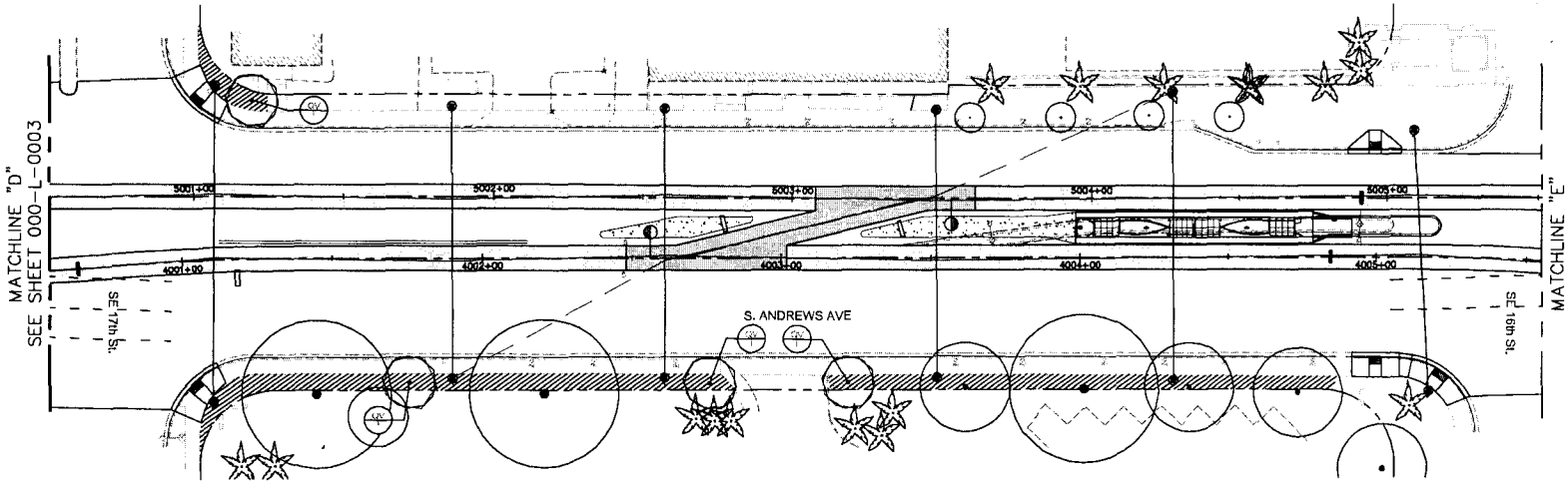

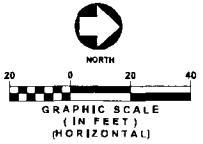

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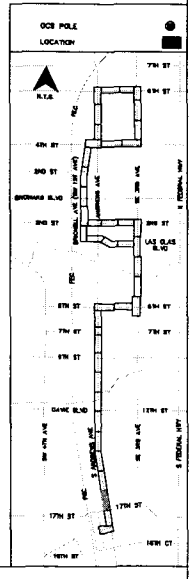

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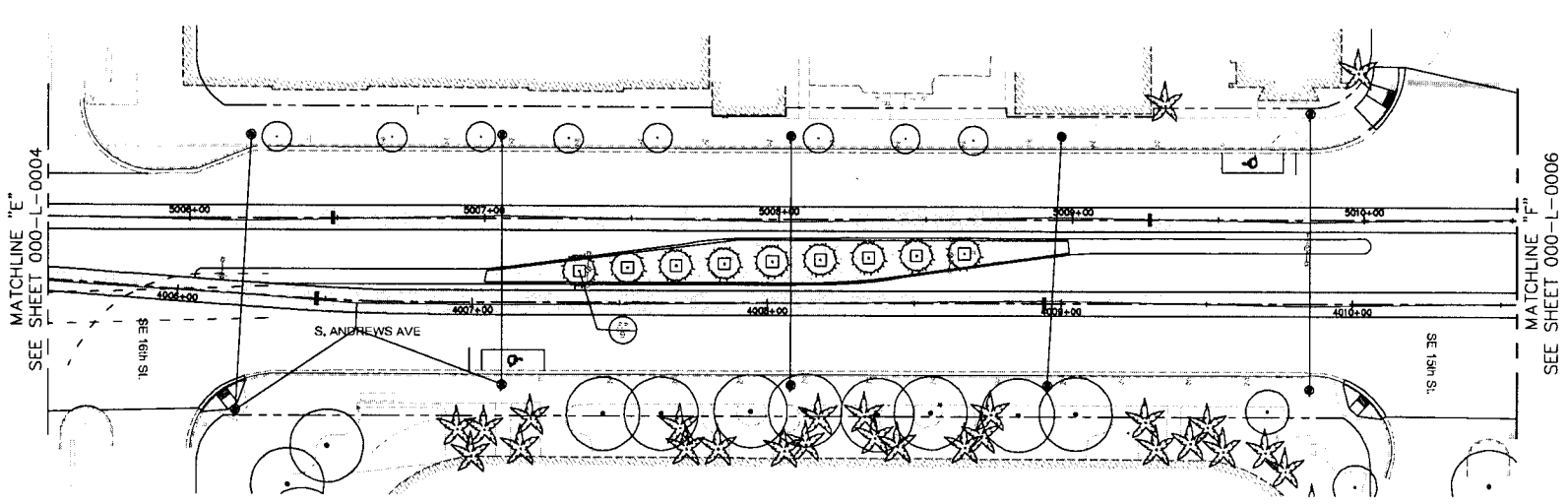

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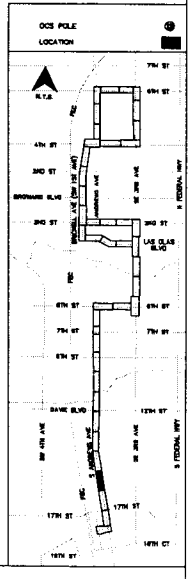
PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309
(954)535-1876

SUB-CONSULTANT: Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
DRAWN BY:	TW
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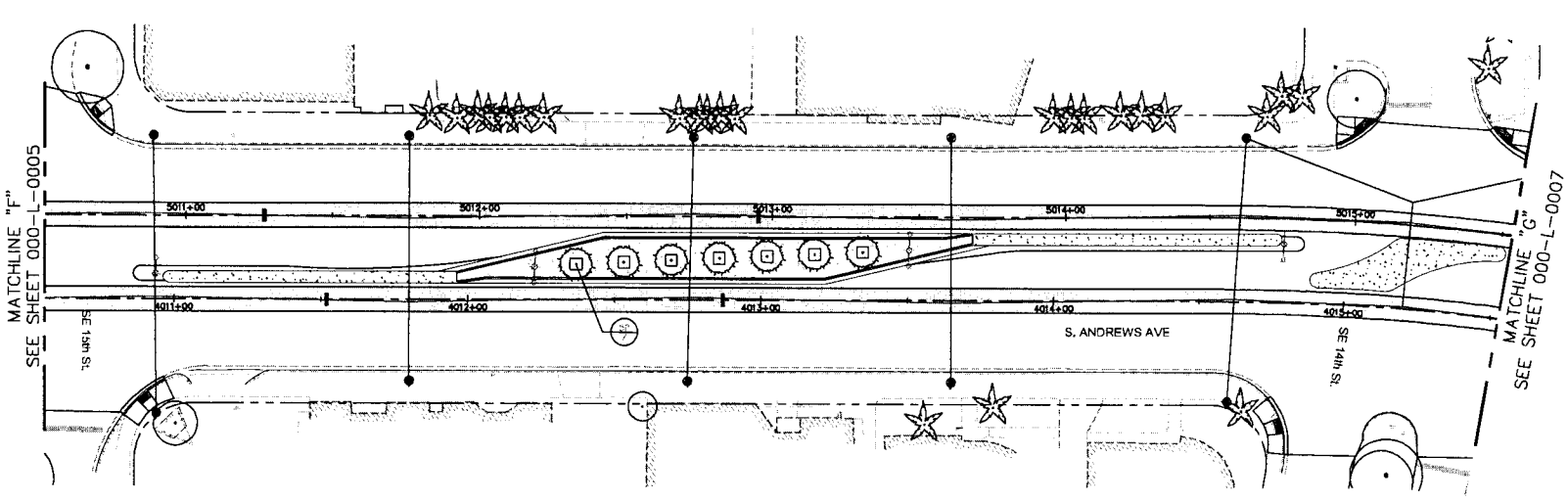
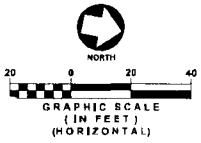
COPYRIGHT:	HDR ENGINEERING, INC.
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0005





PLANT SCHEDULE

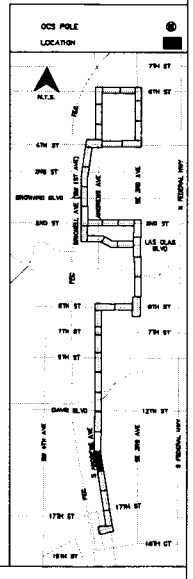
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PH	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	'Floratam' St. Augustine SEE PLAN, CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

Wave

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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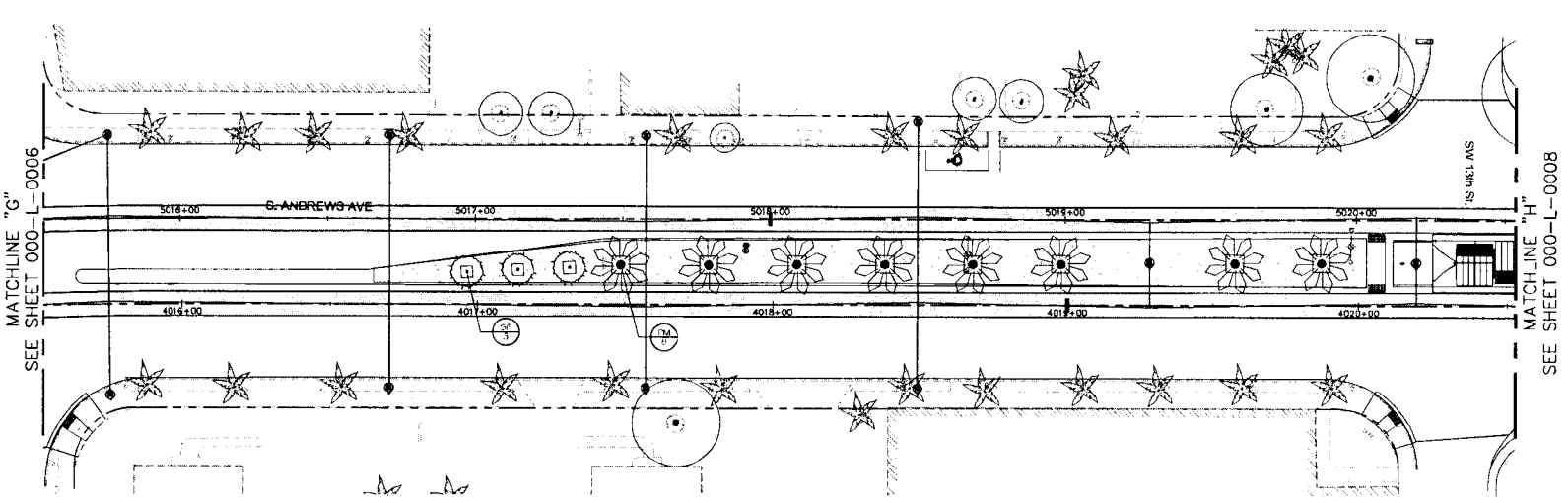
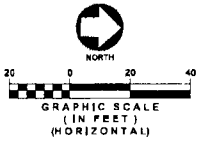
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0006





PLANT SCHEDULE

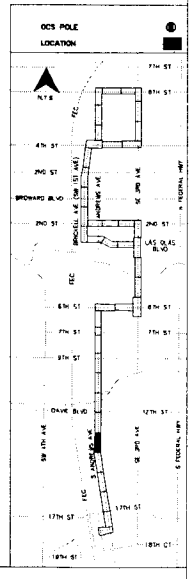
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN. CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL
33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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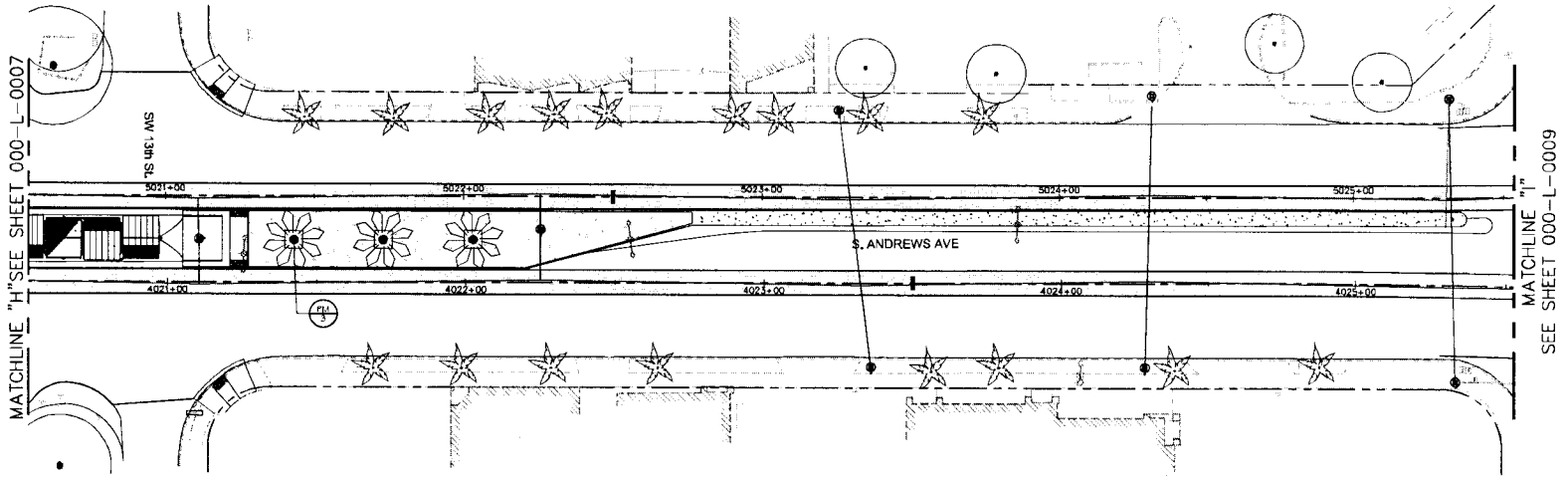
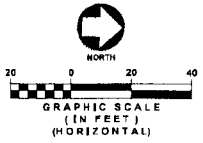
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0007





PLANT SCHEDULE

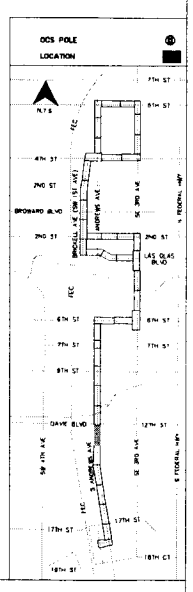
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309
(954)535-1876

SUB-CONSULTANT:
Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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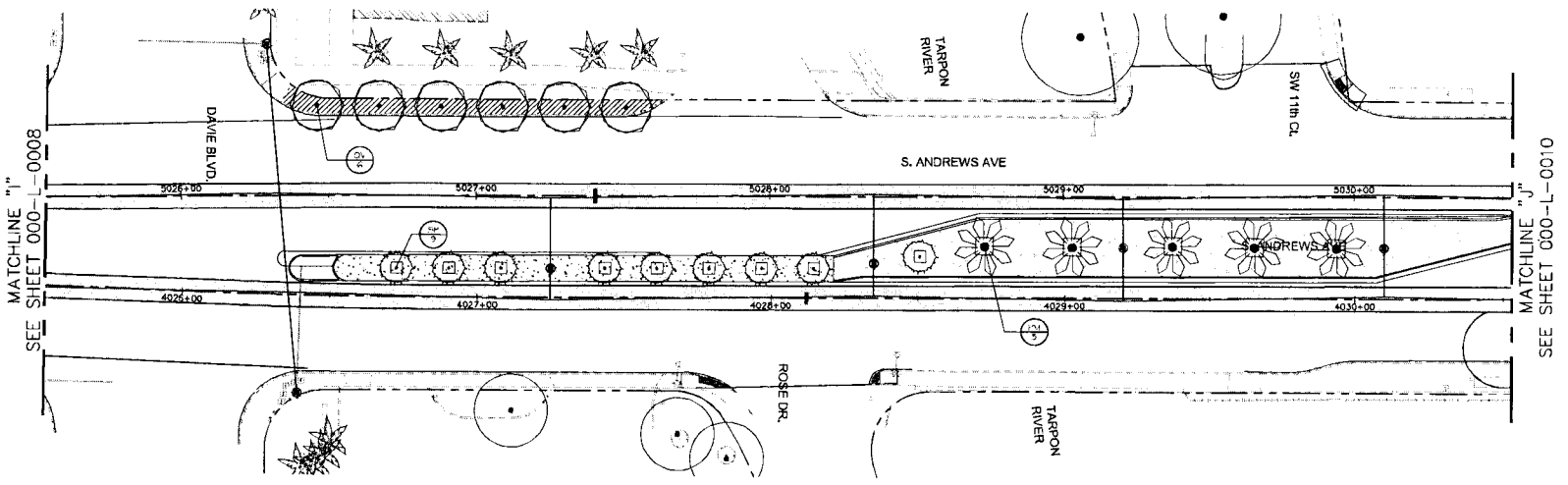
SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER: 000-L-0008



PLANT SCHEDULE

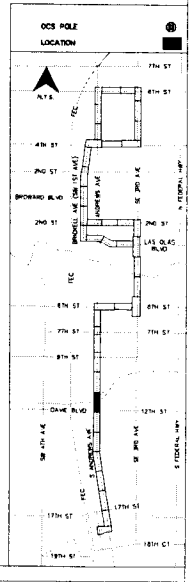
TREES	CODE	COMMON NAME
	SF	Scaci Palm
	PM	Dole Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	'Floratam' St. Augustine SEE PLAN. CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309
(954)535-1876

SUB-CONSULTANT:
Kimley»Horn

PROJECT NO:	211425
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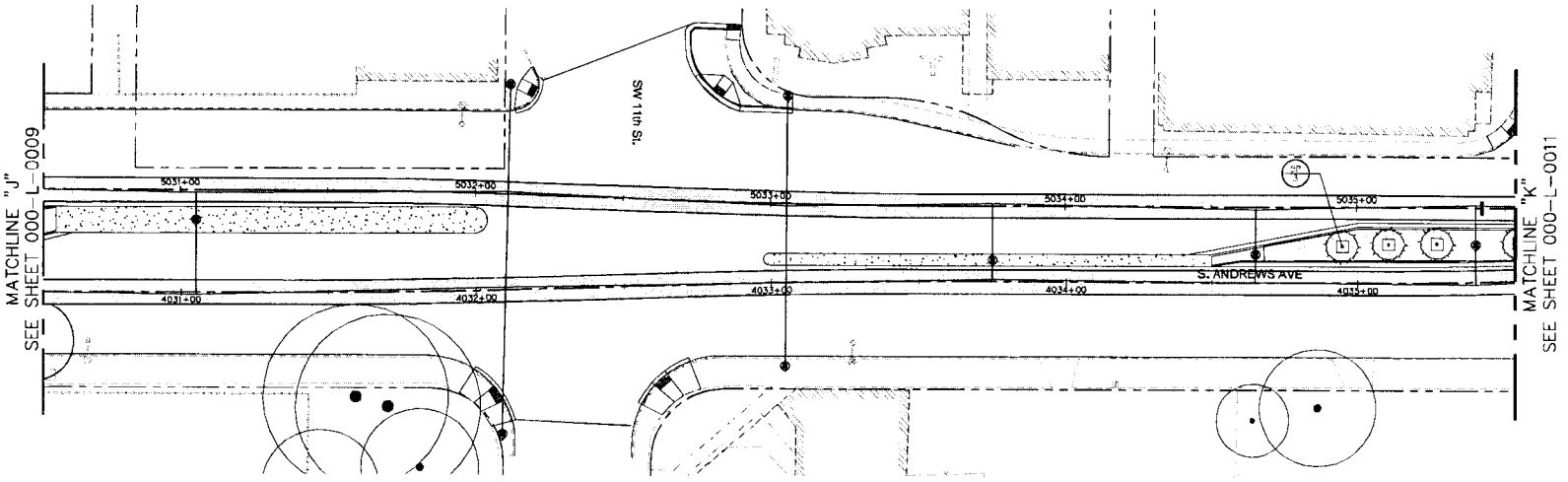
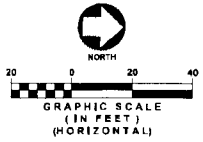
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0009





PLANT SCHEDULE

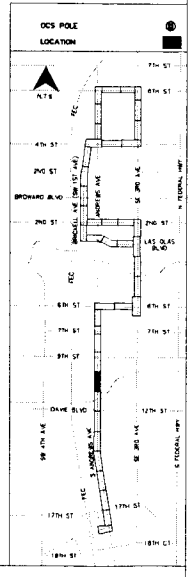
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	'Floratam' St. Augustine SEE PLAN. CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100, FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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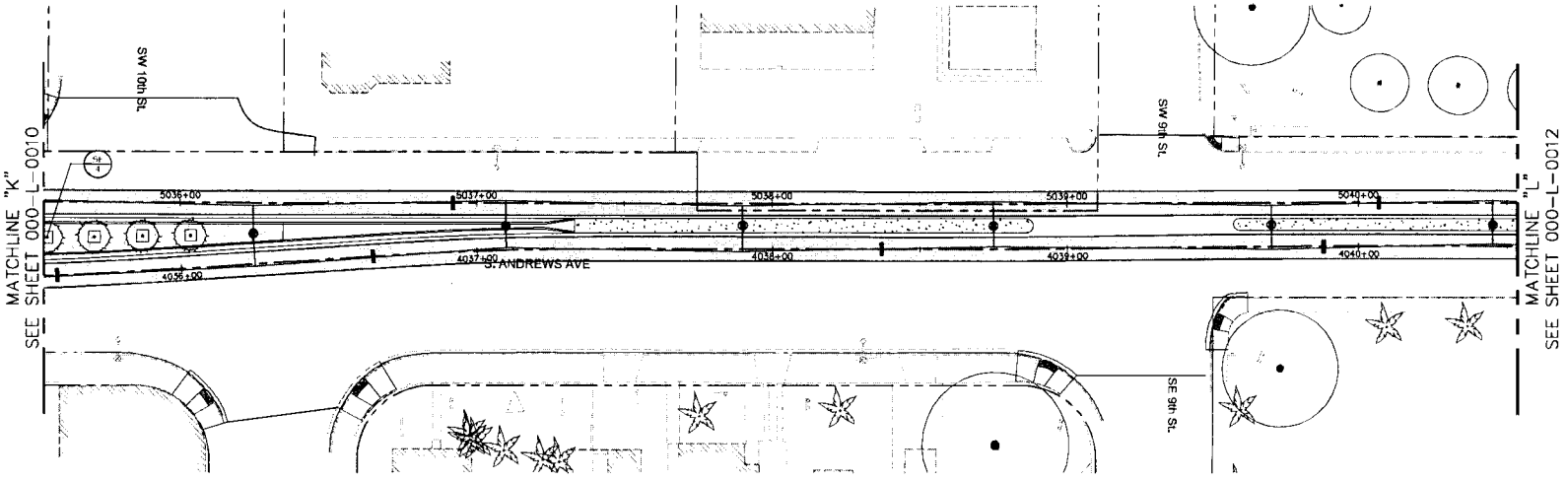
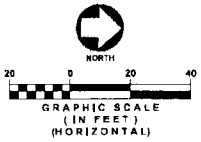
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0010





PLANT SCHEDULE

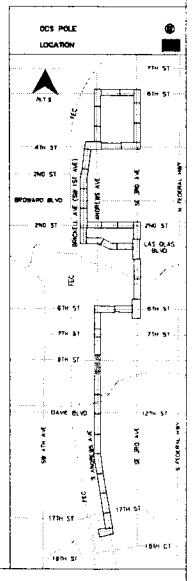
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	'Floratam' St. Augustine SEE PLAN, CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100, FORT LAUDERDALE, FL 33309
(954)535-1876

SUB-CONSULTANT: Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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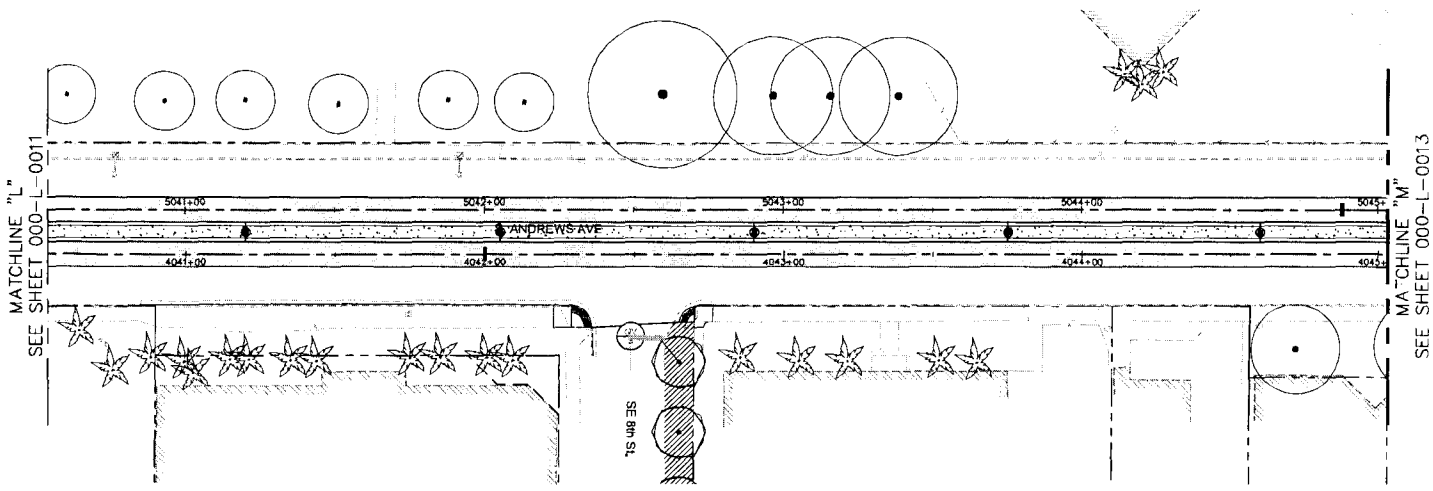
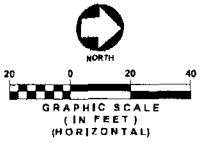
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0011





PLANT SCHEDULE

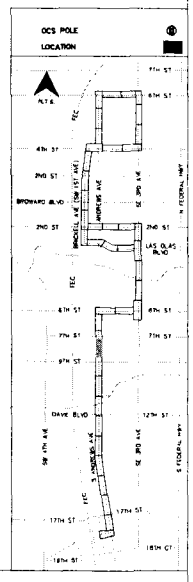
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PH	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN. CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR

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3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309
(954)535-1876

SUB-CONSULTANT:
Kimley»Horn

PROJECT NO:	211425
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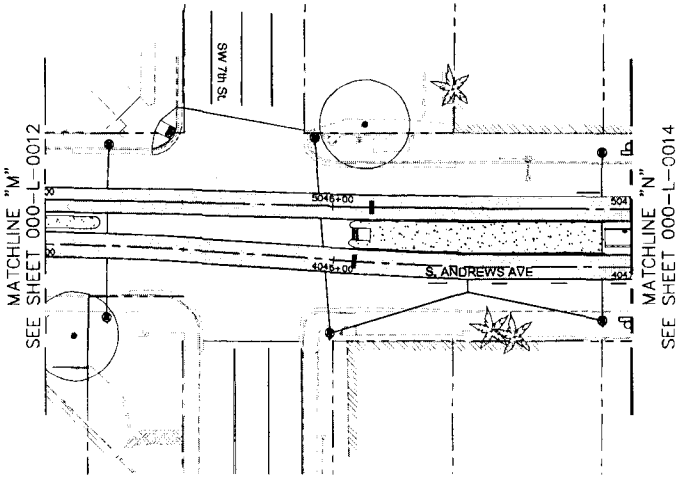
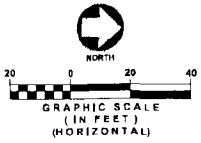
CONTRACT SHEET NO	OF

SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0012



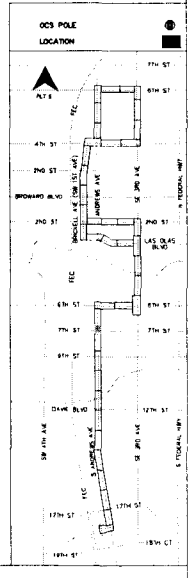


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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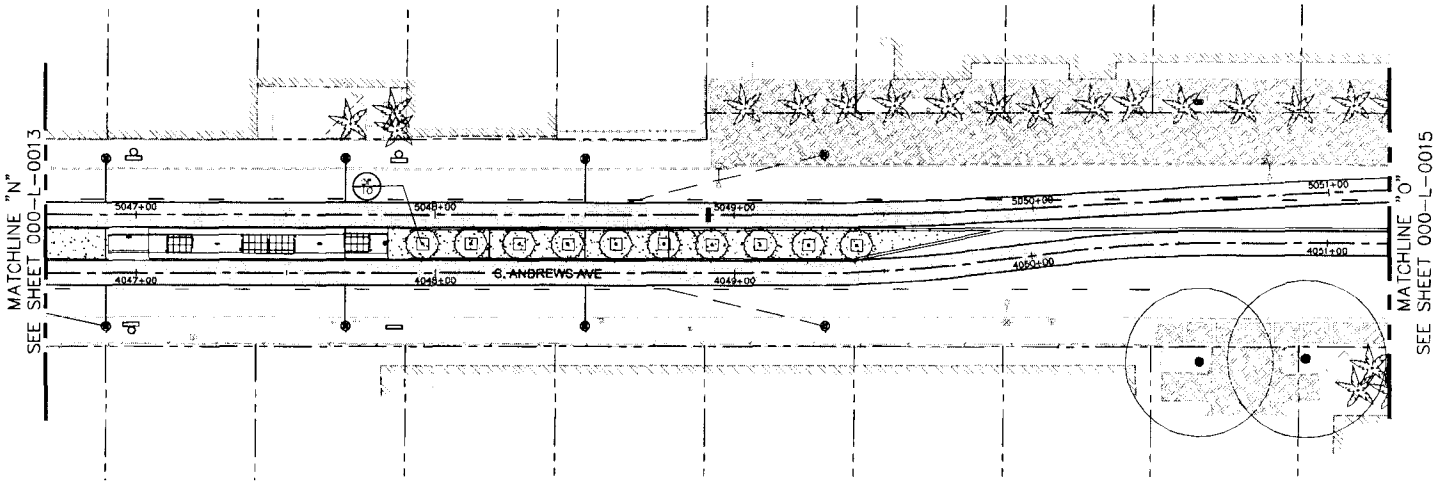
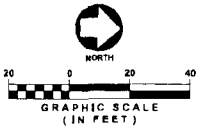
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0013





PLANT SCHEDULE

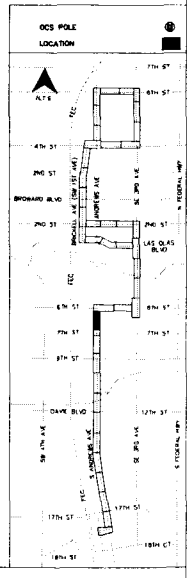
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	'Floratam' St. Augustine SEE PLAN, CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

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3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

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PROJECT NO:	211425
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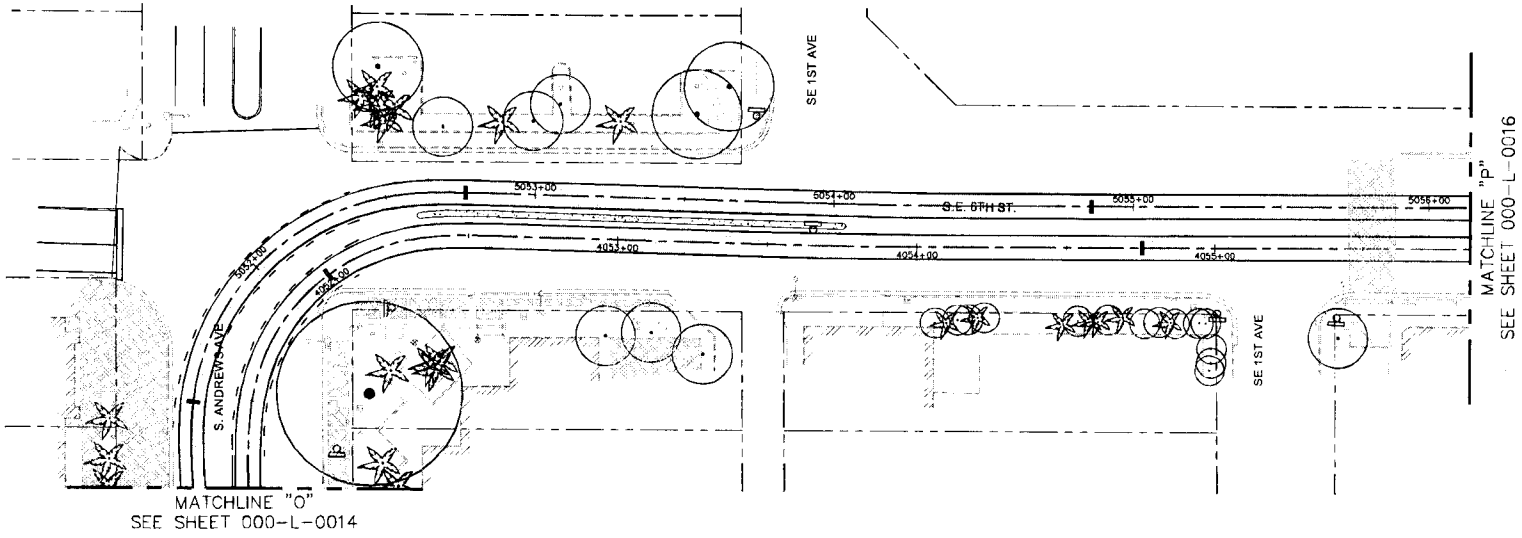
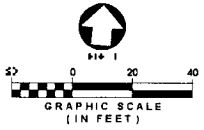
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0014



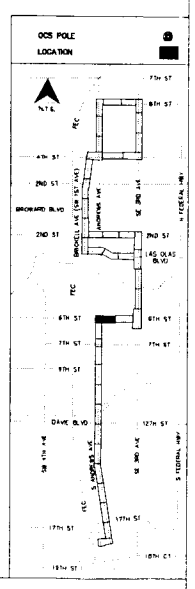


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
DRAWN BY:	TW
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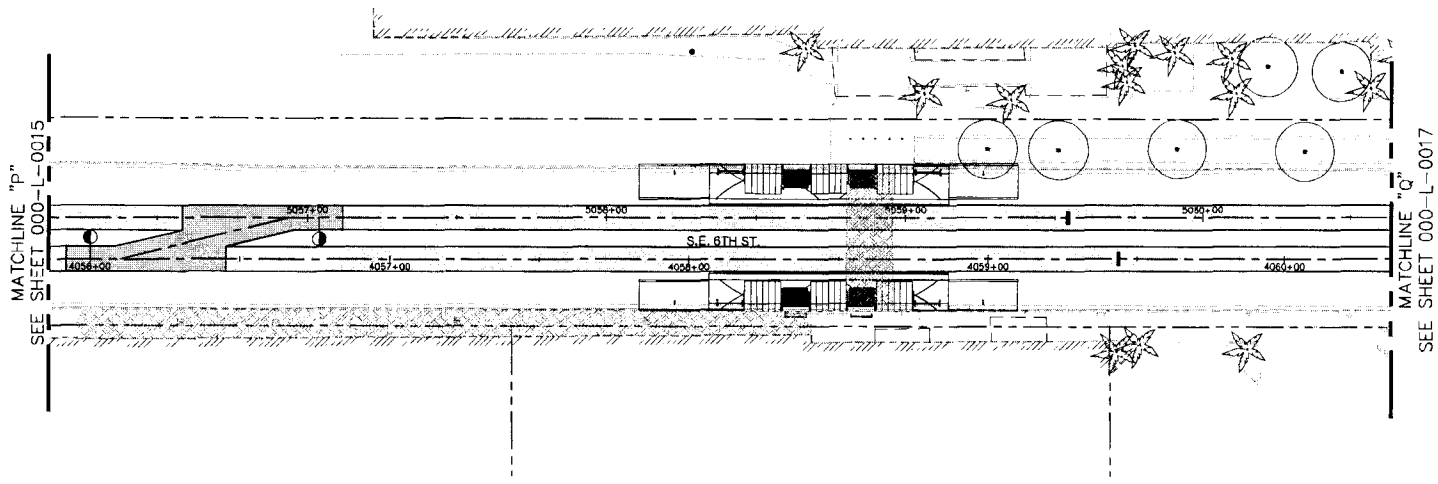
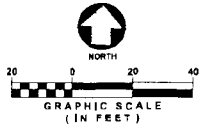
COPYRIGHT:	HDR ENGINEERING, INC.
CONTRACT SHEET	
NO ____ OF ____	

SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0015



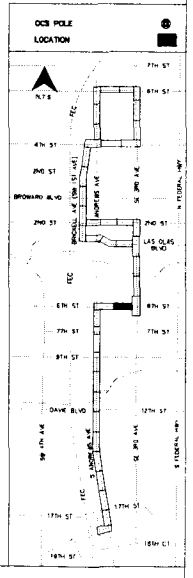


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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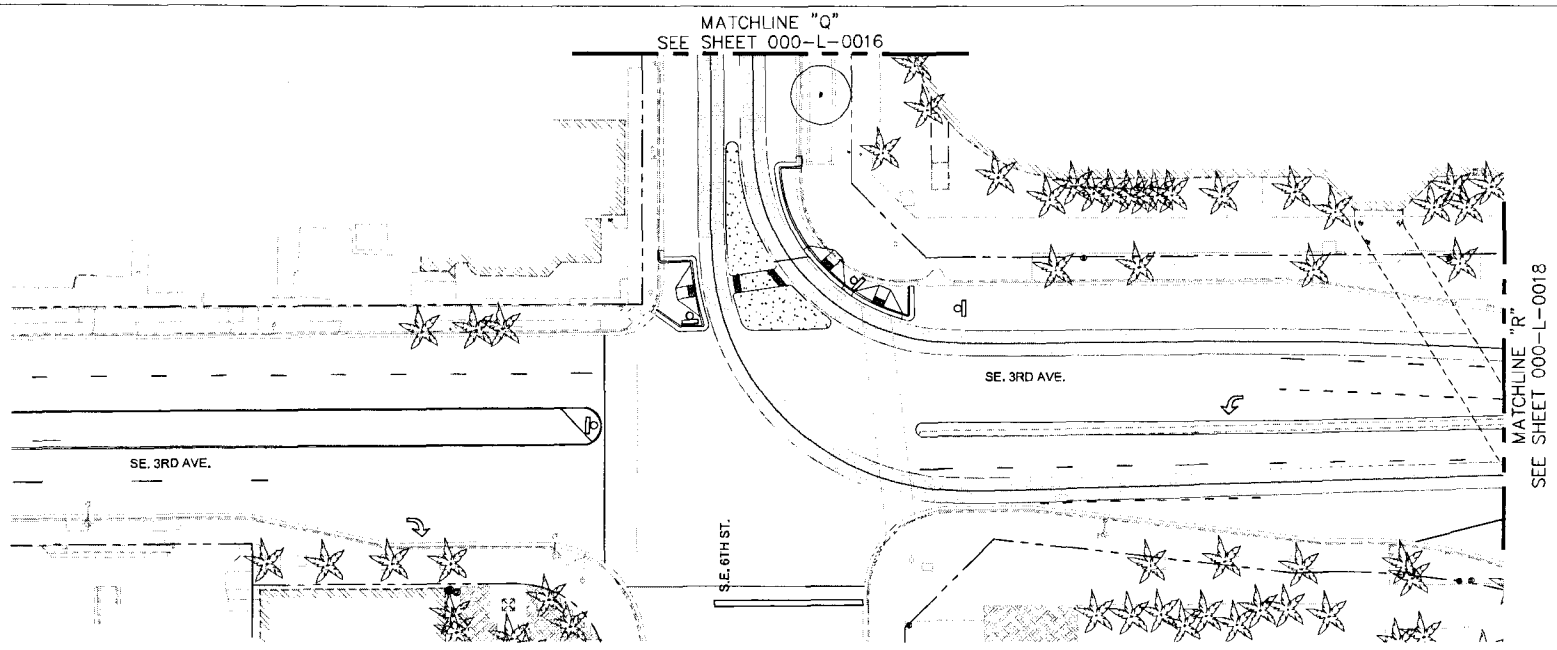
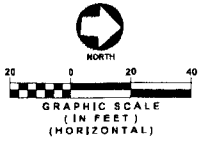
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0016



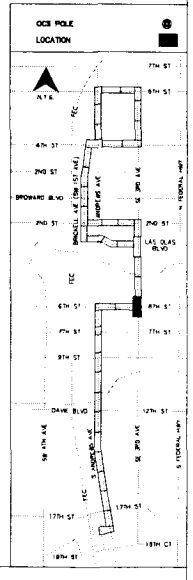


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100, FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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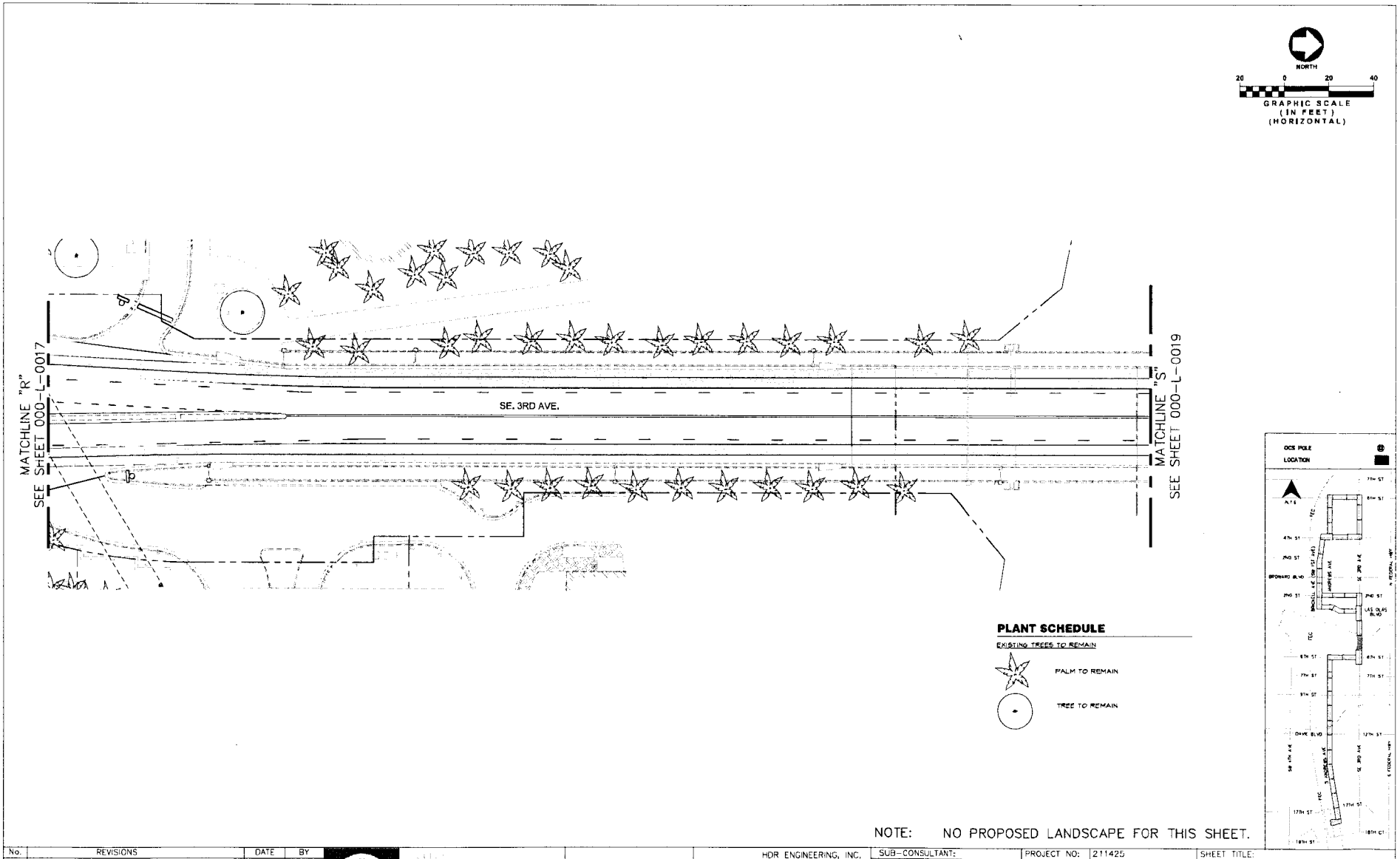
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0017



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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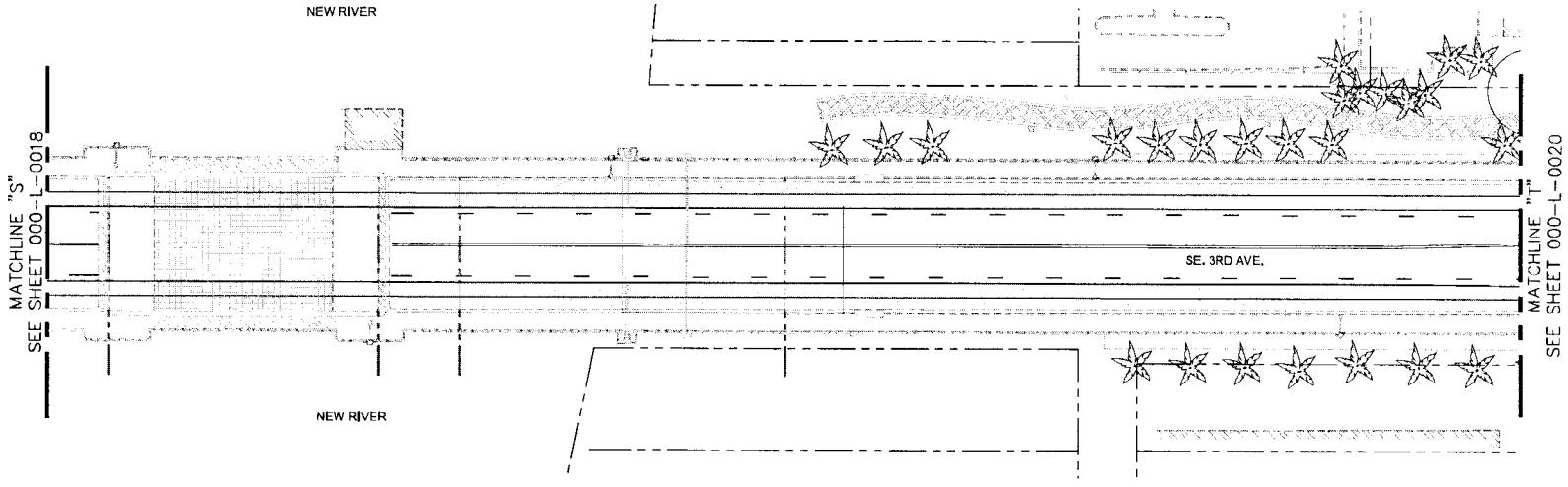
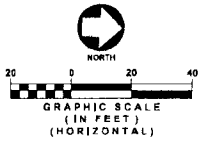
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0018



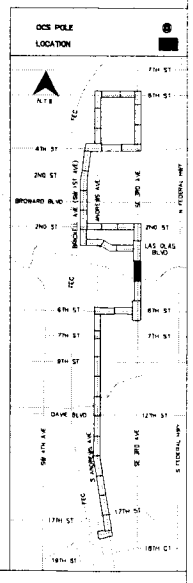


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

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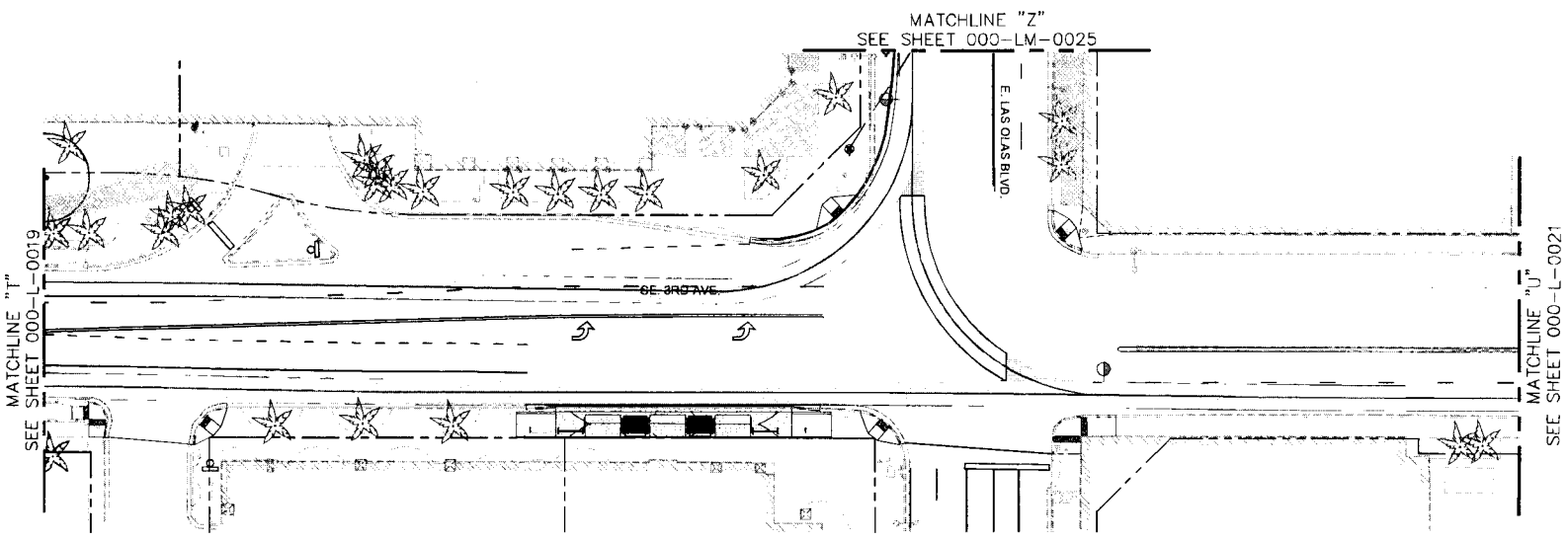
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0019



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(IN FEET)
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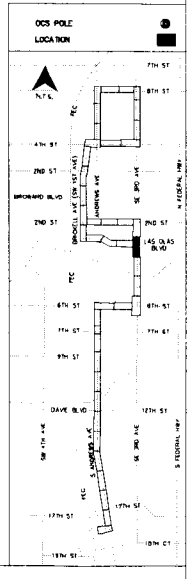
PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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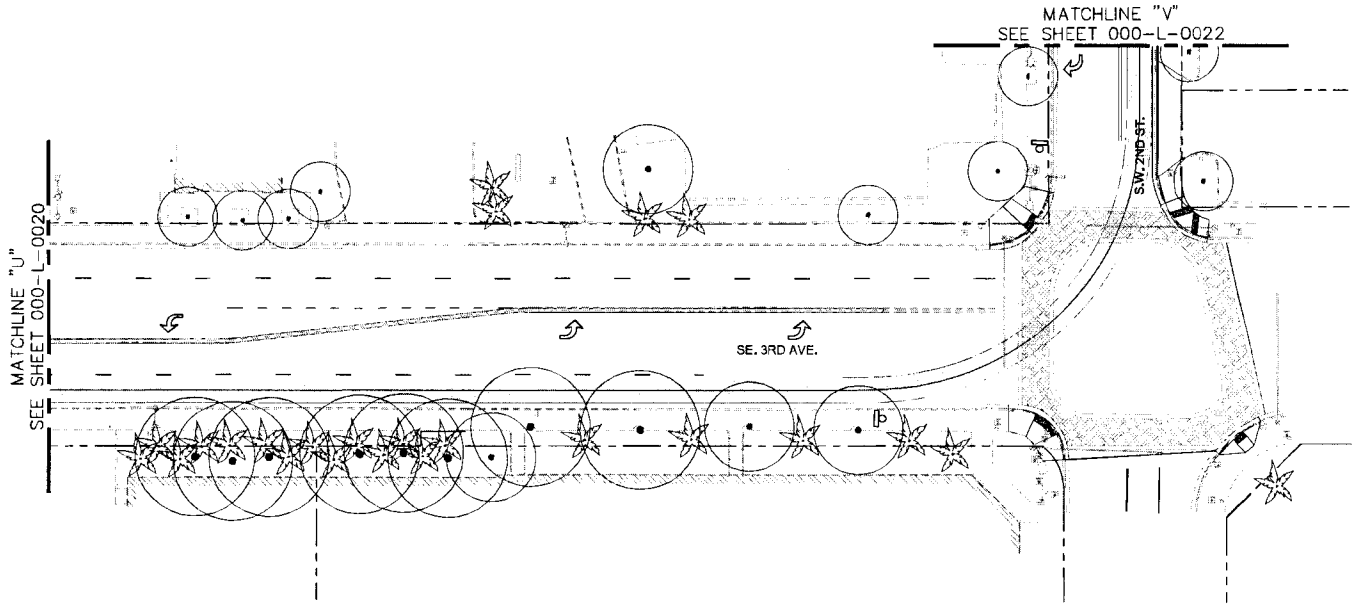
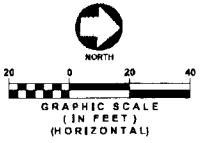
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0020



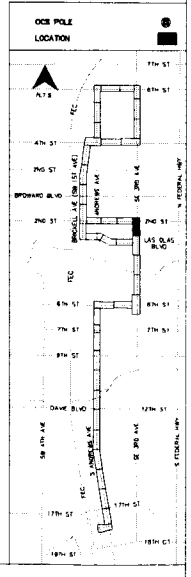


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309
(954)535-1876

SUB-CONSULTANT: Kimley»Horn

PROJECT NO:	211425
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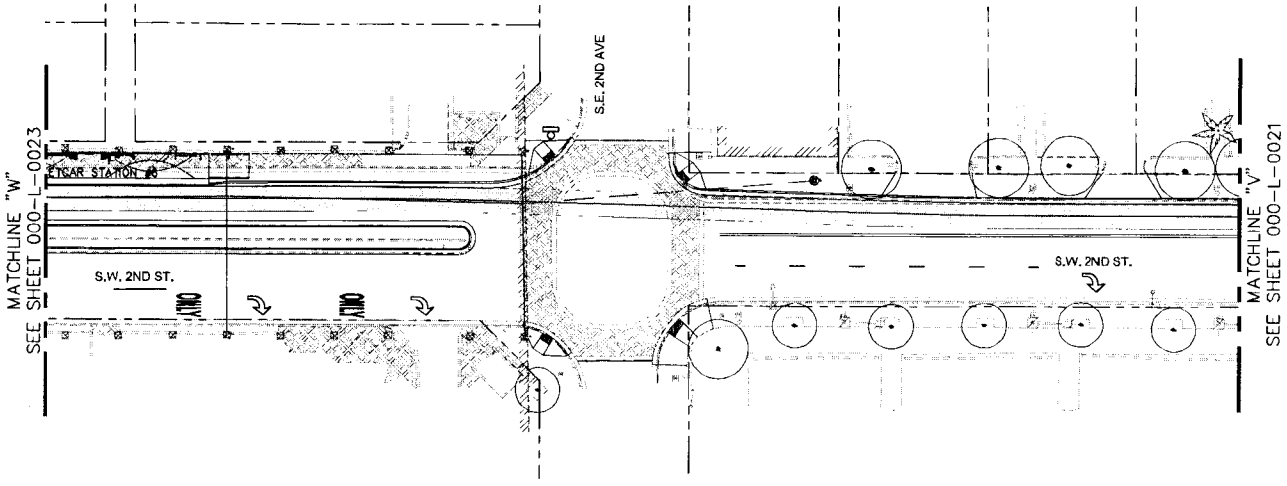
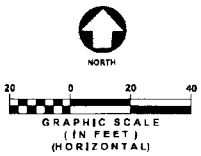
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0021



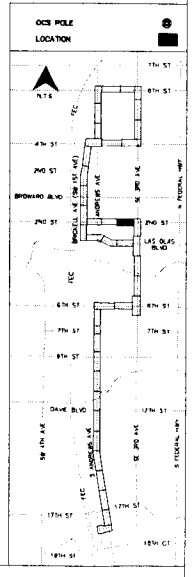


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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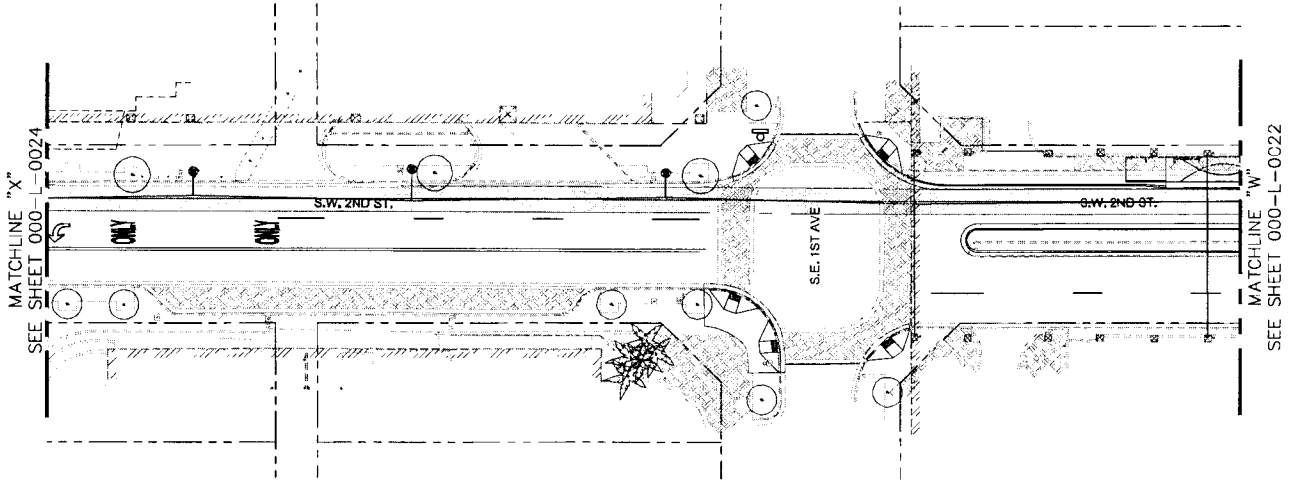
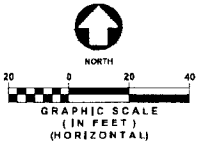
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0022



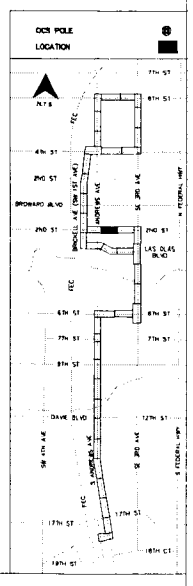


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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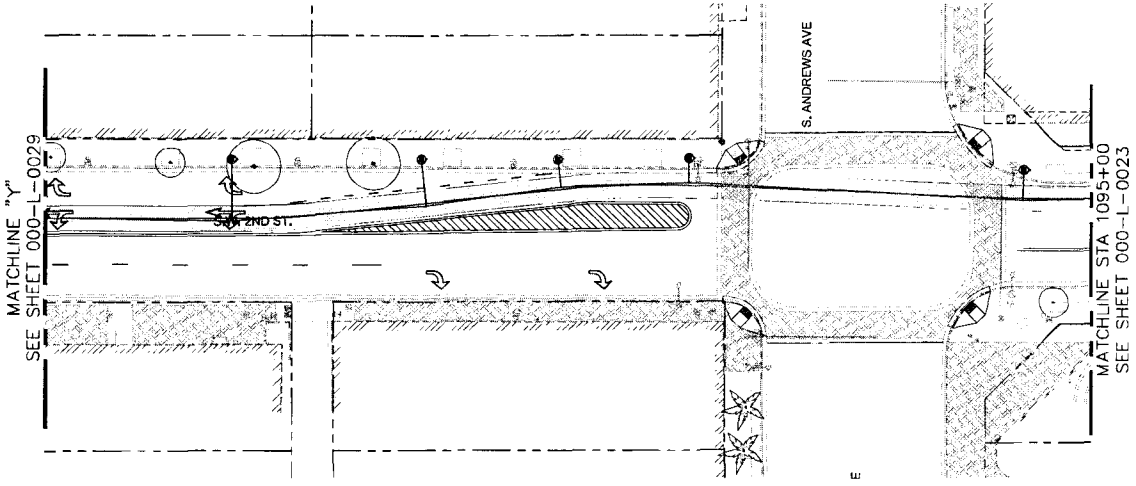
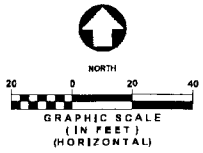
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0023



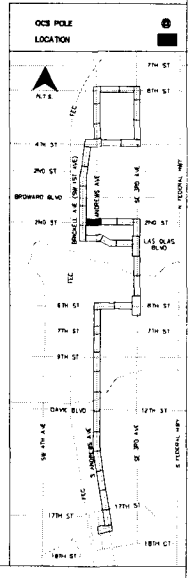


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT: Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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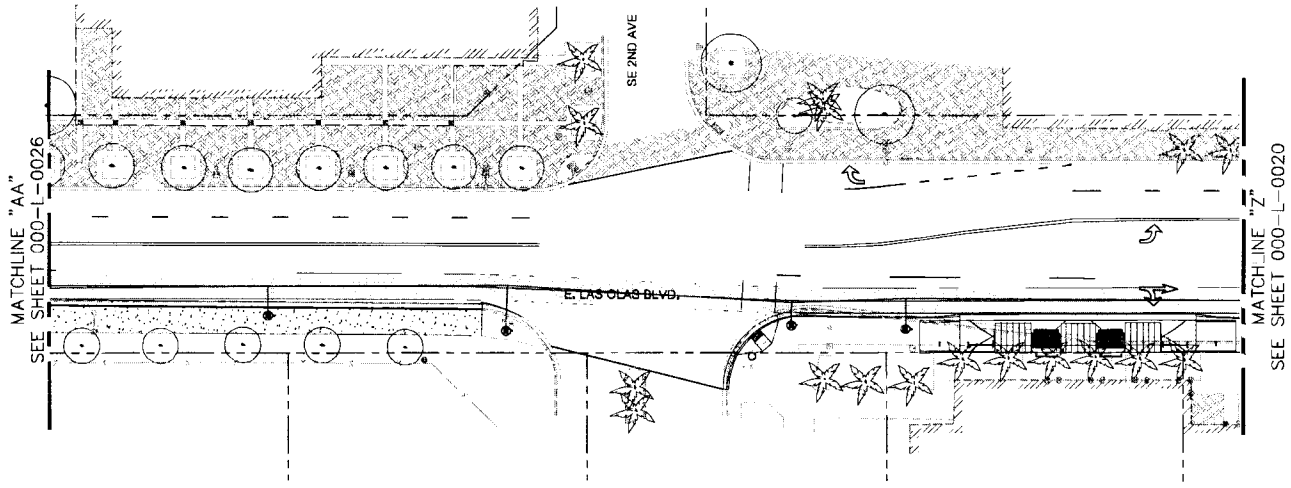
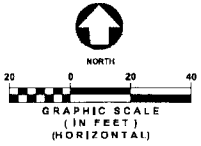
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0024



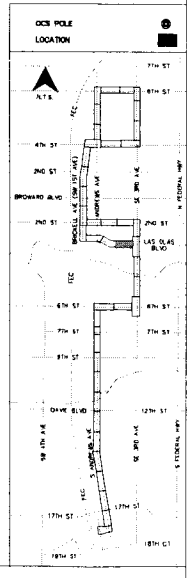


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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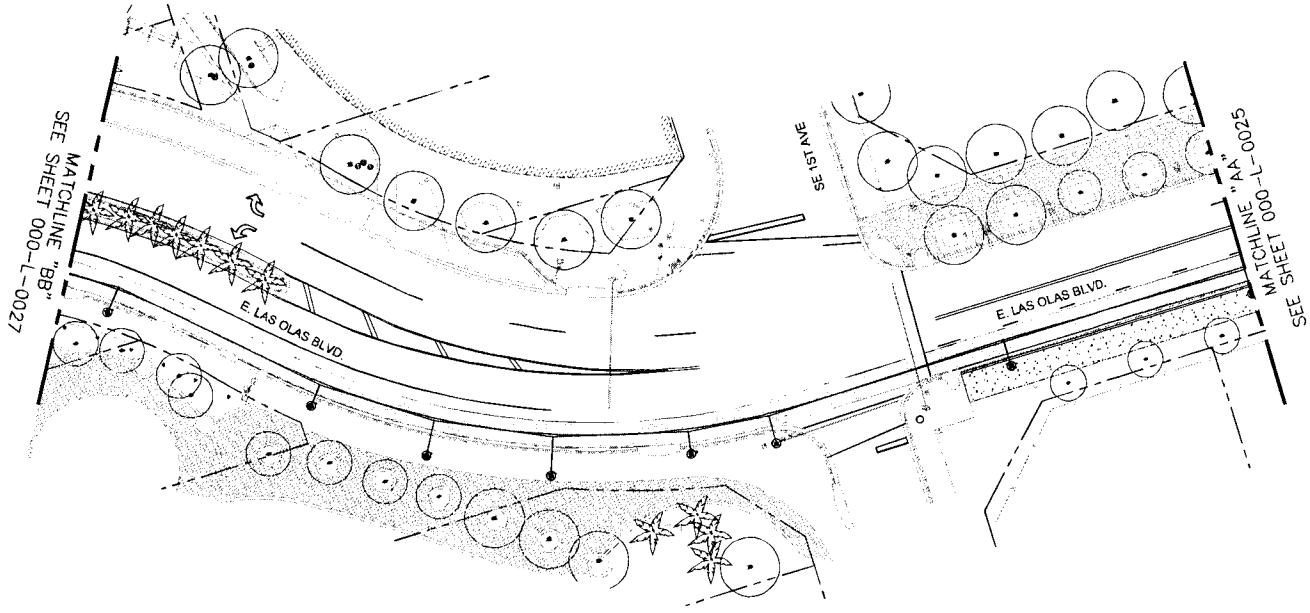
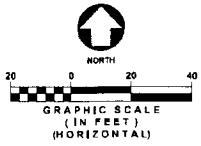
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0025





PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

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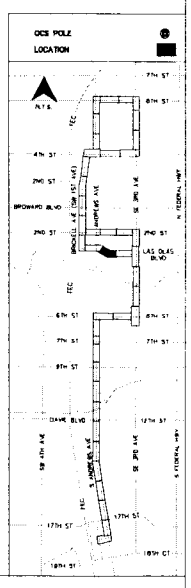

NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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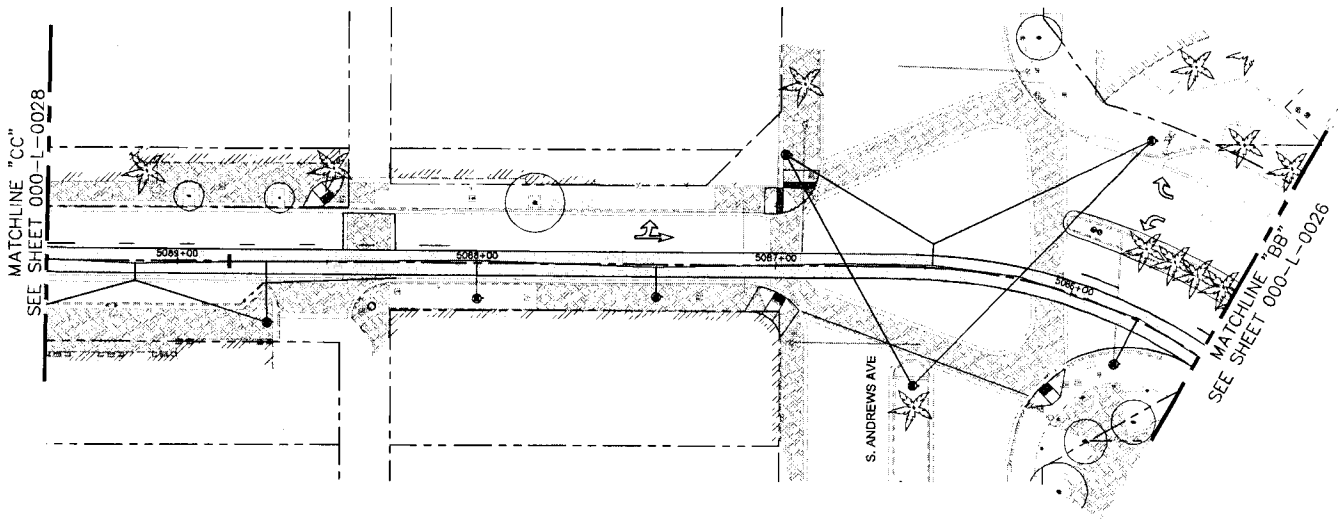
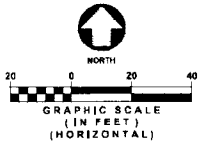
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0026



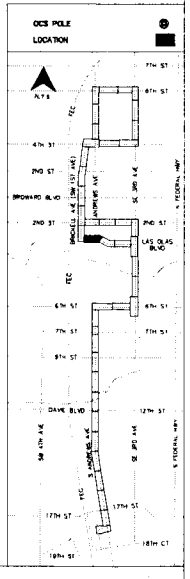


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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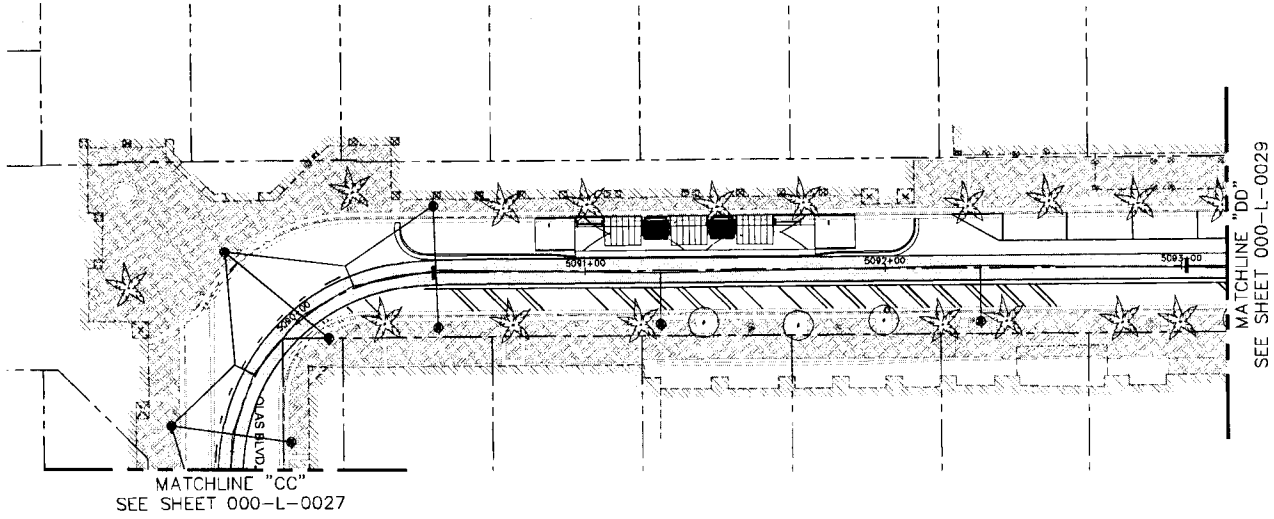
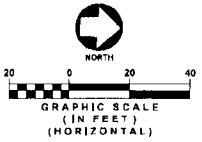
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0027



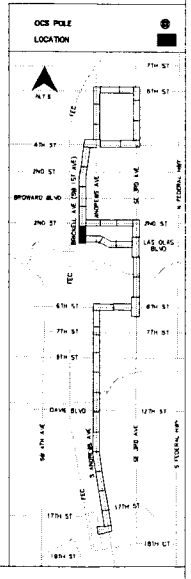


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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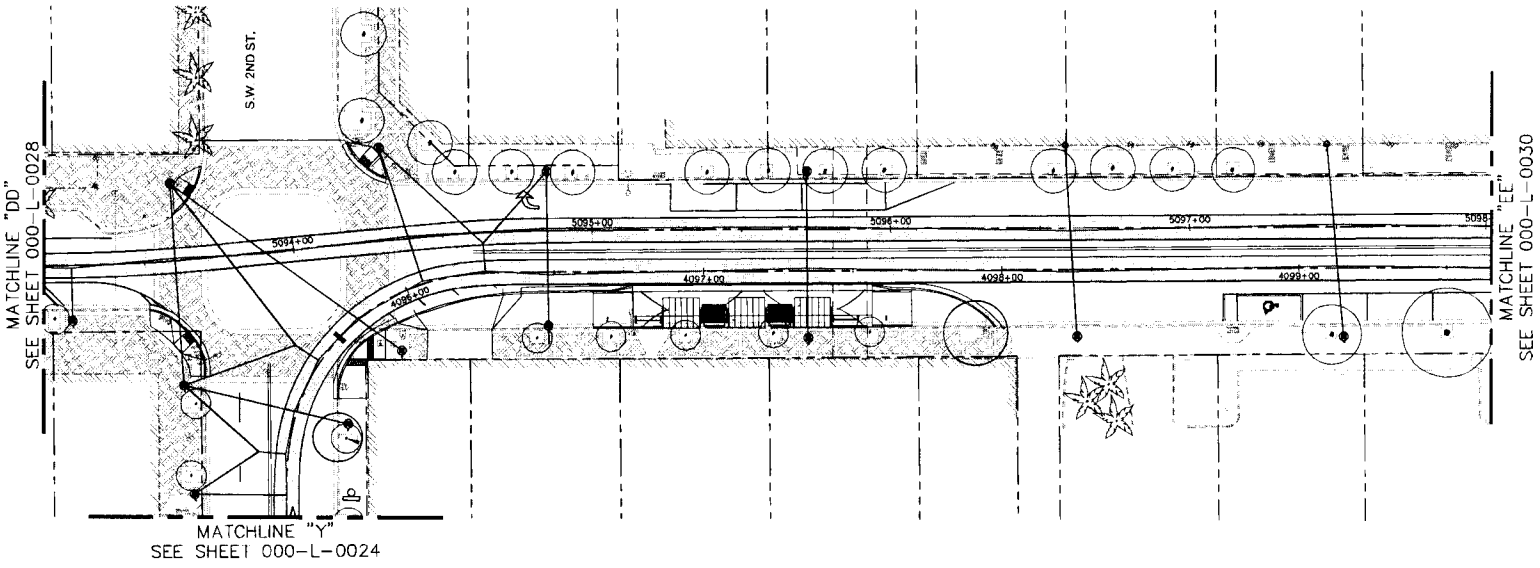
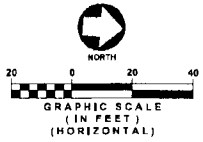
COPYRIGHT:	HDR ENGINEERING, INC.
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0028



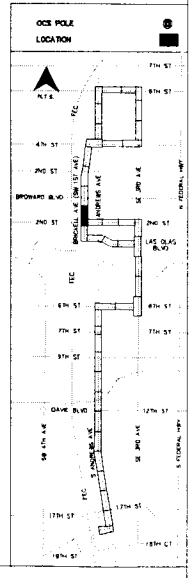


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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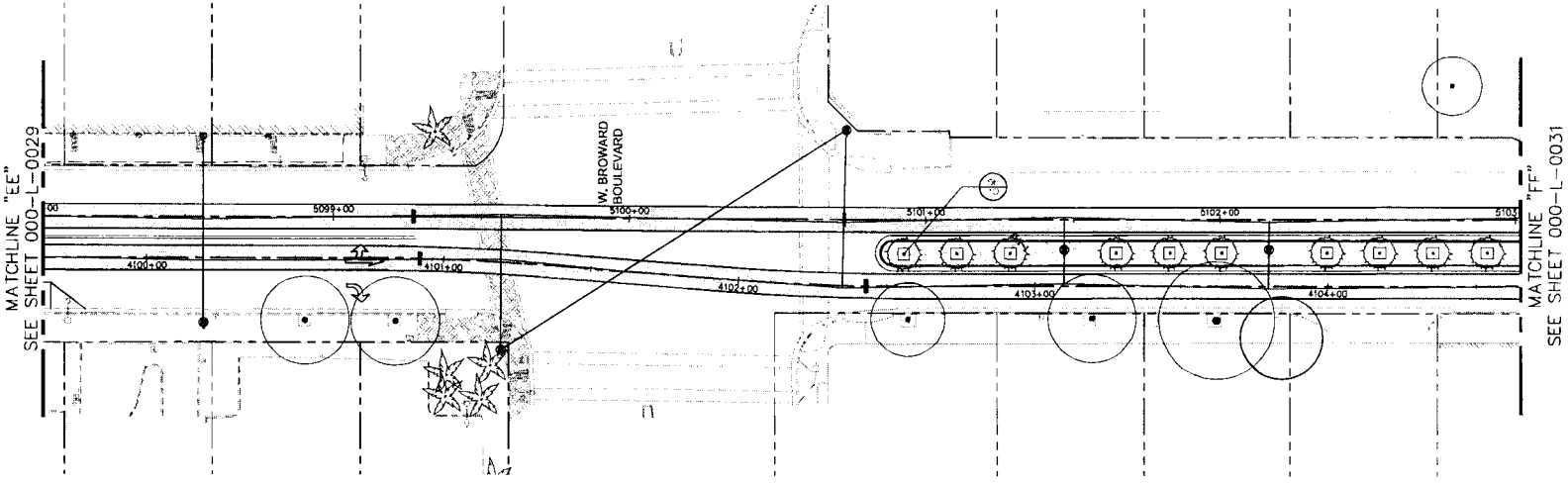
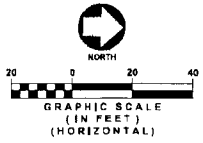
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0029





PLANT SCHEDULE

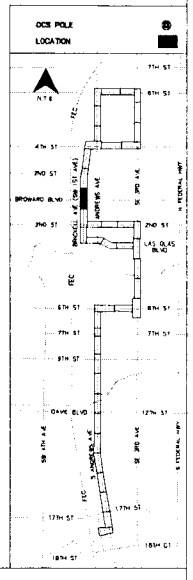
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

Wave

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100, FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
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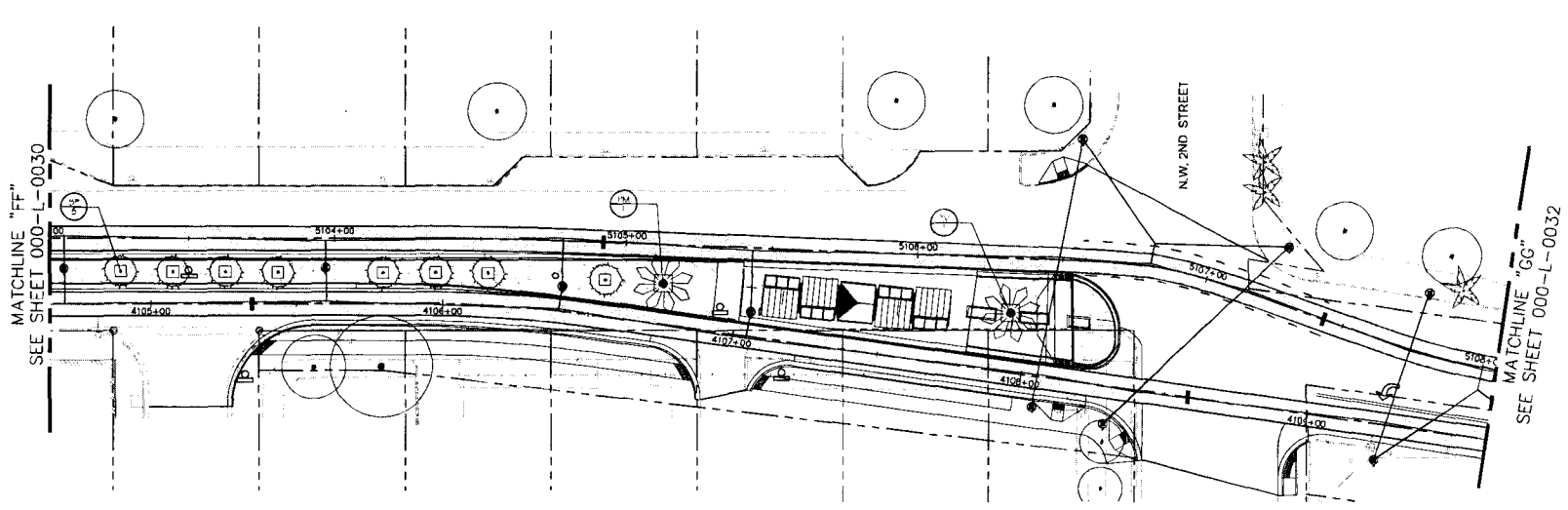
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0030



NORTH

20 0 20 40

GRAPHIC SCALE
(IN FEET)
(HORIZONTAL)

PLANT SCHEDULE

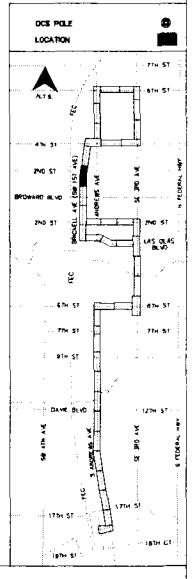
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Dale Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN, CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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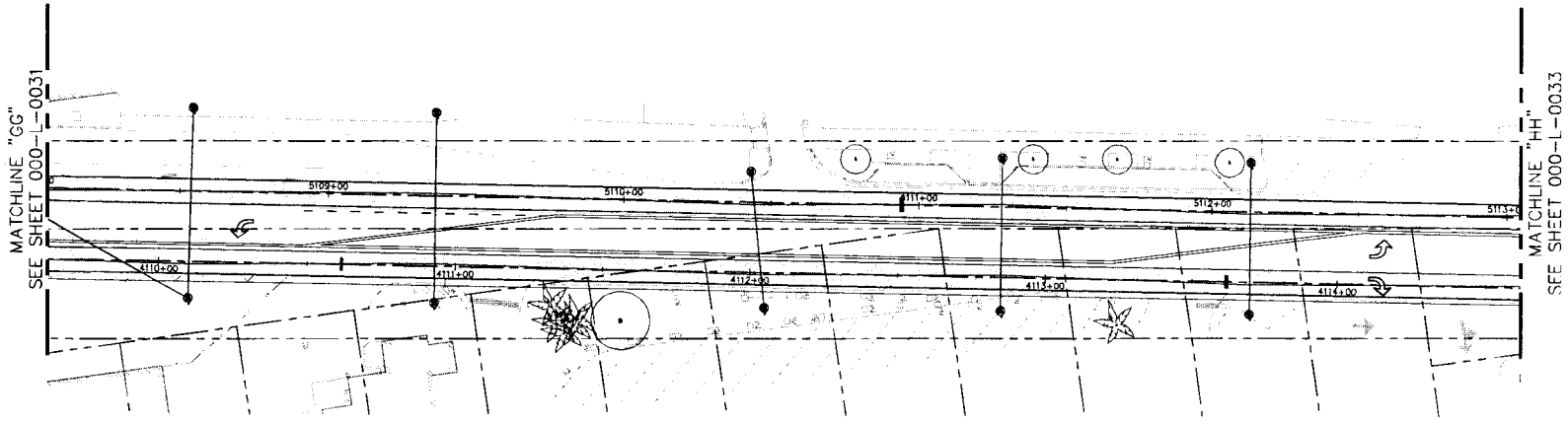
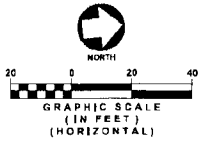
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0031



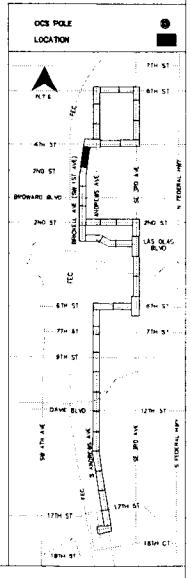


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

Wave

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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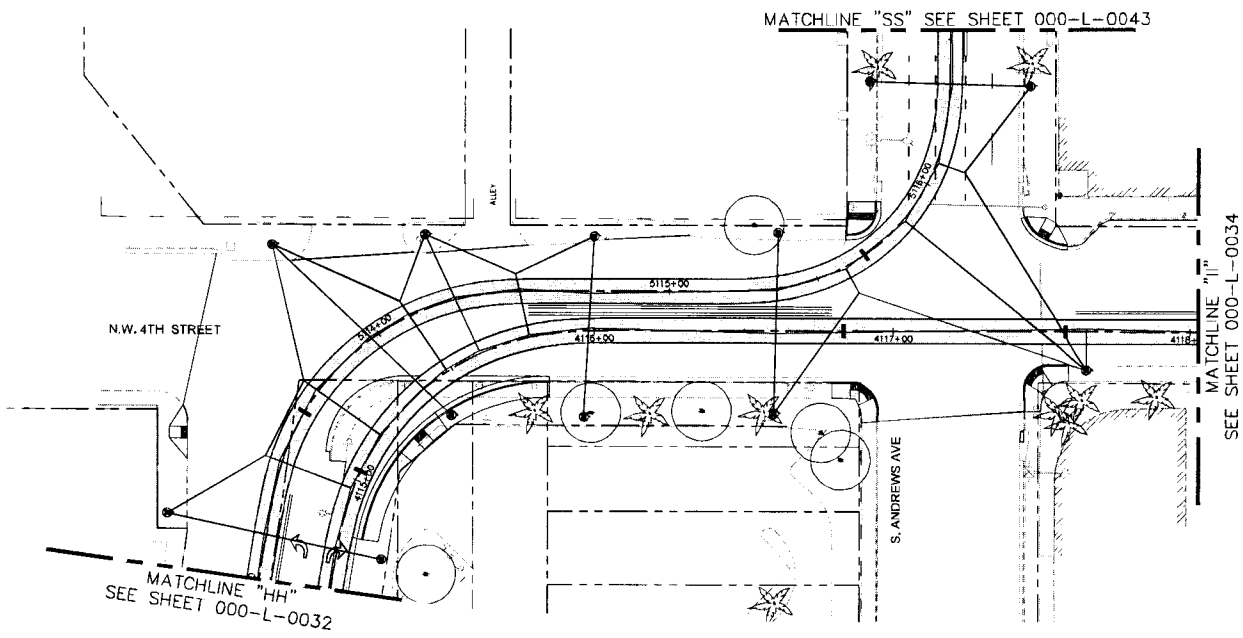
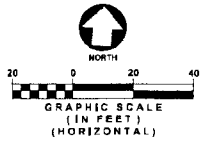
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0032



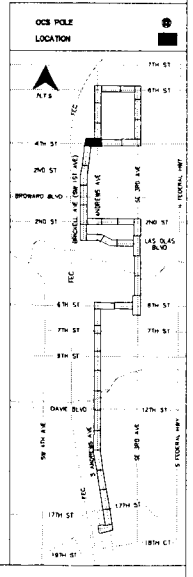


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR ENGINEERING, INC.
3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309
(954)535-1876

SUB-CONSULTANT:
Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
DRAWN BY:	TW
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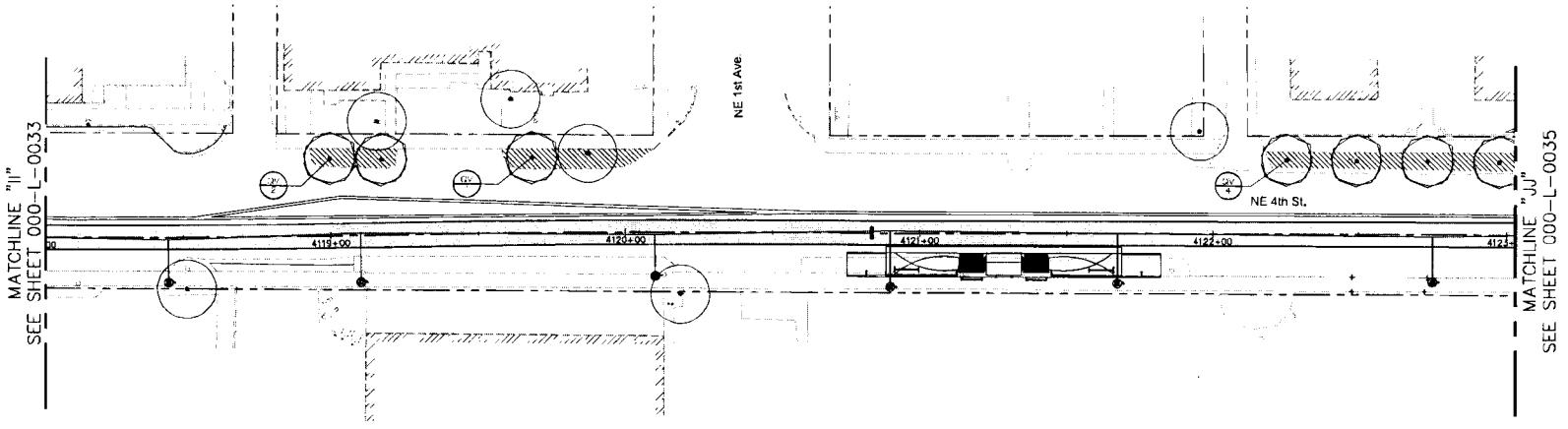
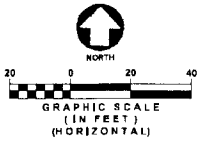
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0033





PLANT SCHEDULE

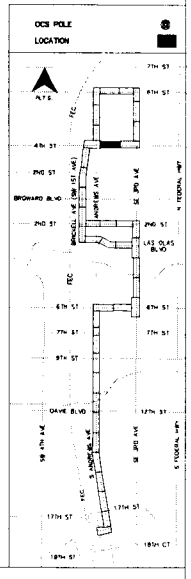
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	GV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

Wave

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100, FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT: Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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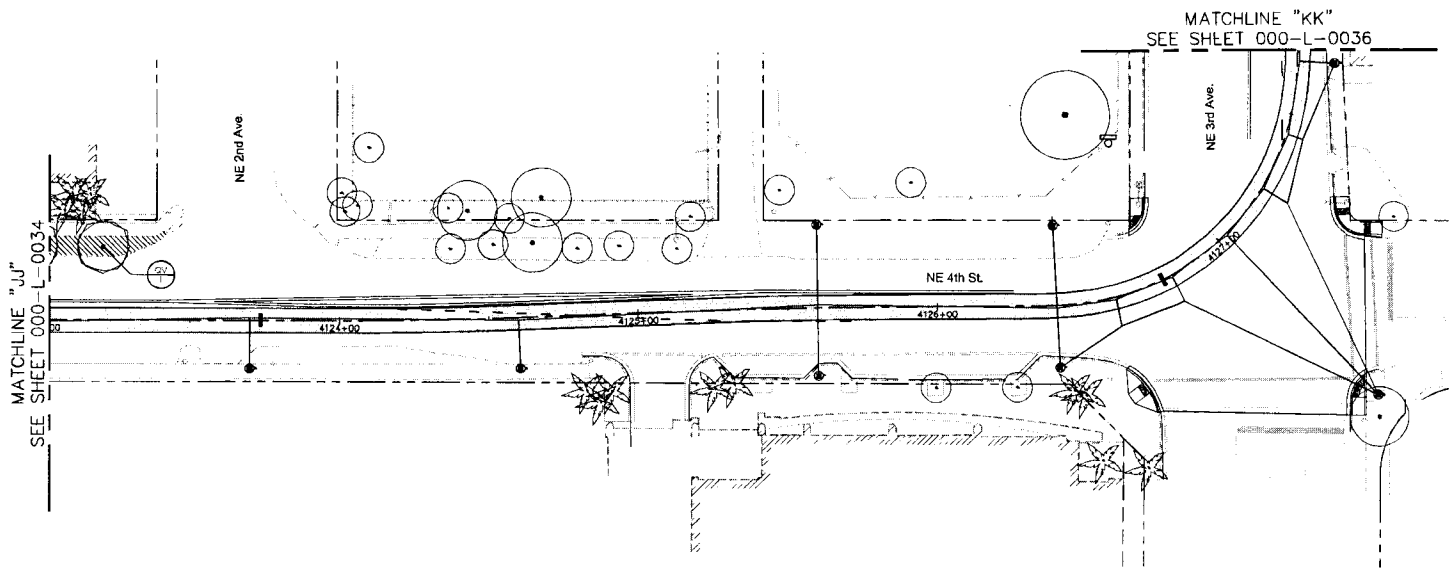
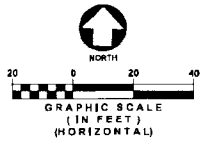
SHEET TITLE: LANDSCAPE PLAN

SHEET NUMBER: 000-L-0034





PLANT SCHEDULE

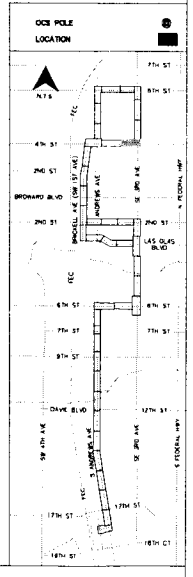
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam' St. Augustine SEE PLAN; CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
DRAWN BY:	TW
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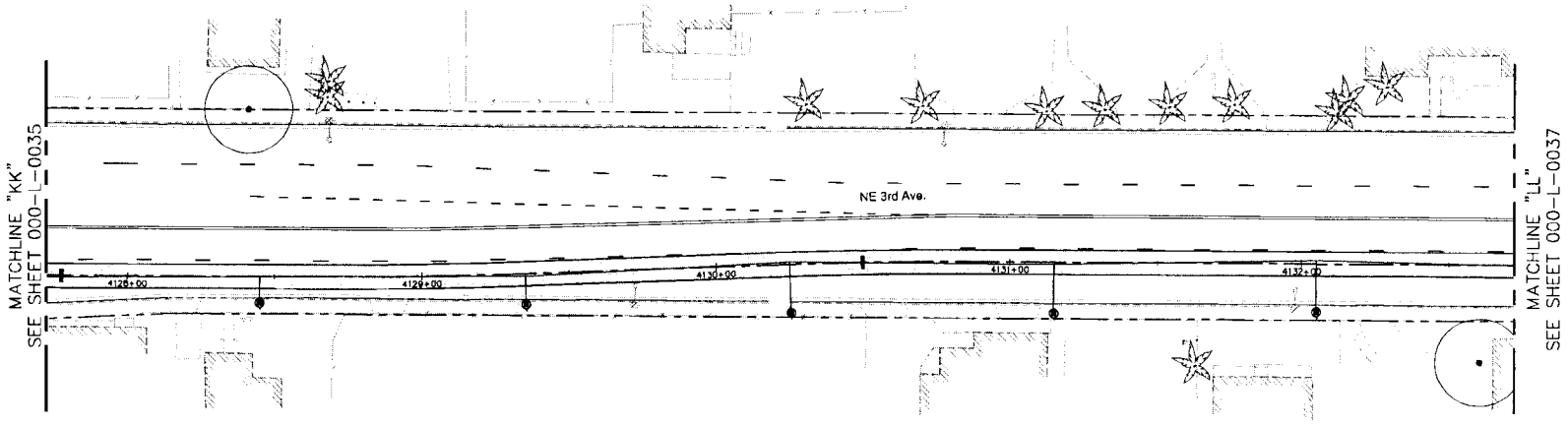
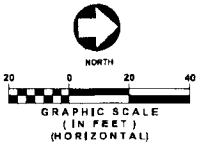
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0035



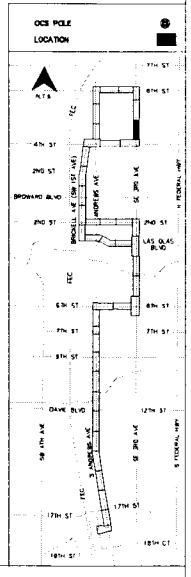


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

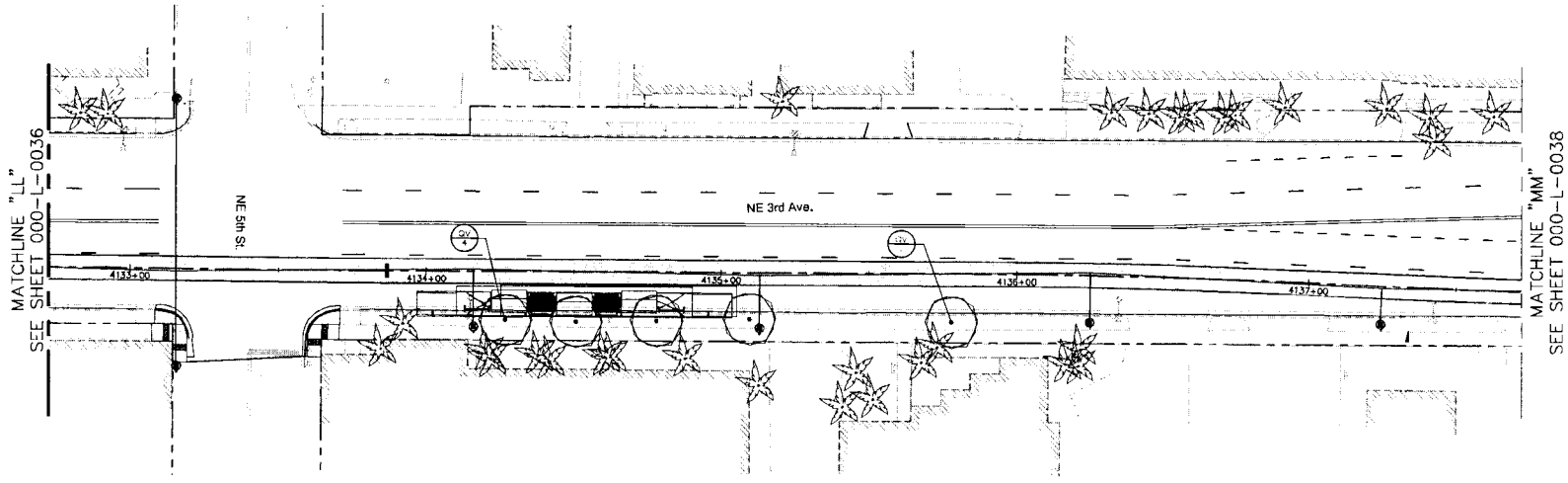
Kimley»Horn

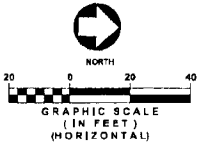
PROJECT NO:	211425
DATE:	09-14-2016
DRAWN BY:	TW
CHECKED BY:	MG
COPYRIGHT:	HDR ENGINEERING, INC.
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0036





PLANT SCHEDULE

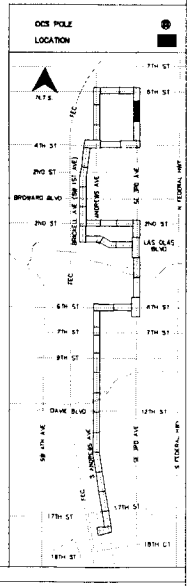
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	GV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN, CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
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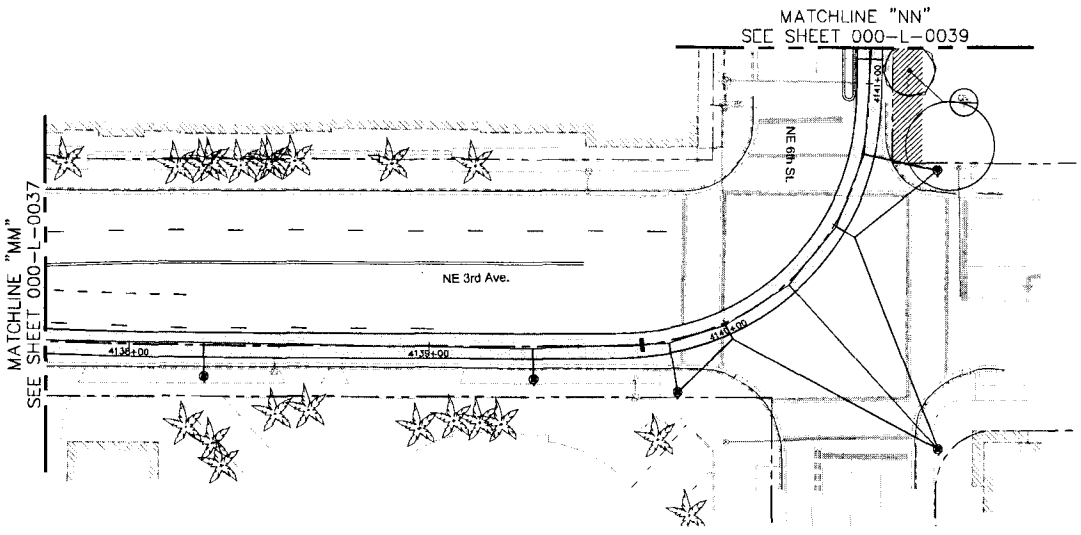
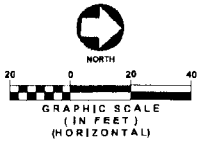
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0037





PLANT SCHEDULE

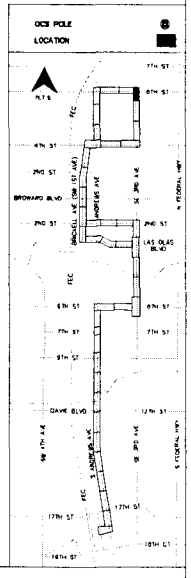
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	QV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN, CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	211425
DATE:	09-14-2016
DRAWN BY:	TW
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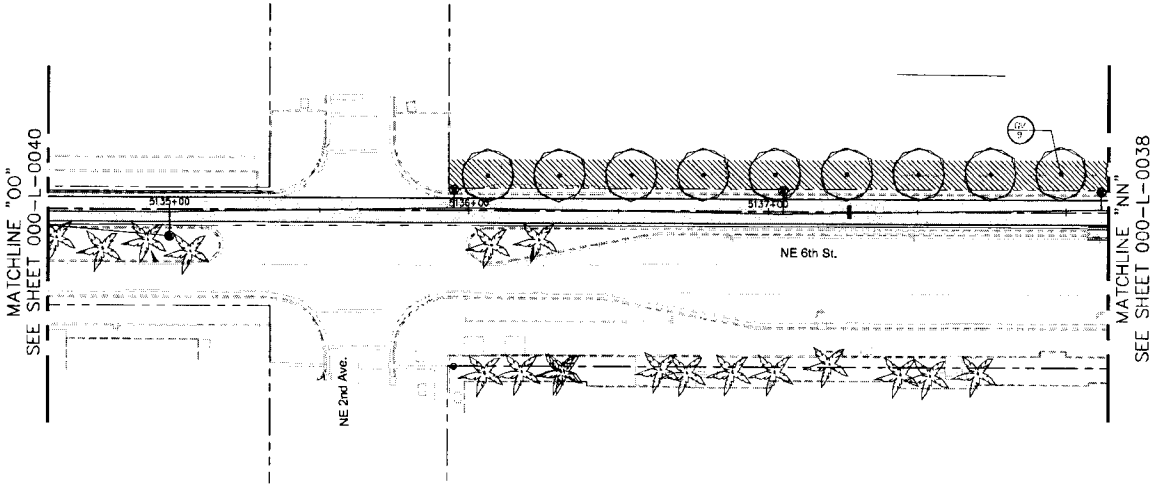
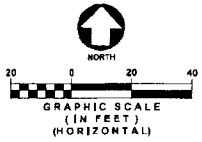
COPYRIGHT:	HDR ENGINEERING, INC.
CONTRACT SHEET NO. ____ OF ____	

SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0038





PLANT SCHEDULE

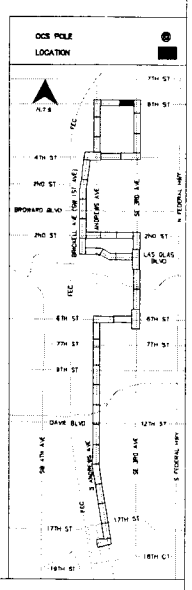
TREES	CODE	COMMON NAME
	SP	Sabal Palm
	PM	Date Palm
	GV	Southern Live Oak

GROUND COVERS	CODE	COMMON NAME
	SOD	Floratam St. Augustine SEE PLAN, CONTRACTOR TO FIELD VERIFY

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



No.	REVISIONS	DATE	BY

Wave

RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER: 12-008

HDR

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100, FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

PROJECT NO:	217425
DATE:	09-14-2016
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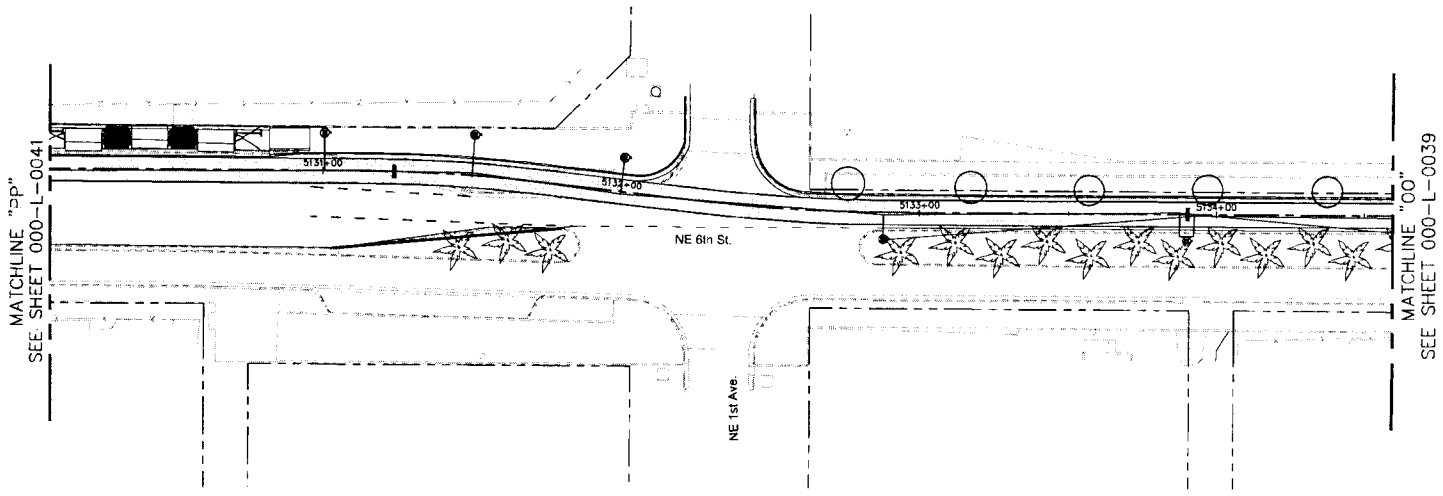
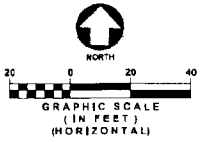
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0039



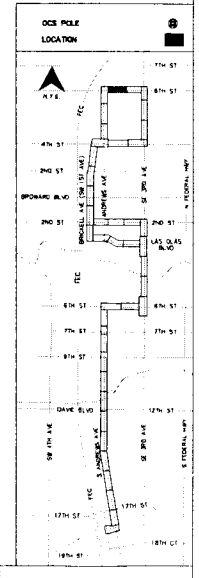


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR

HDR ENGINEERING, INC.

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FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

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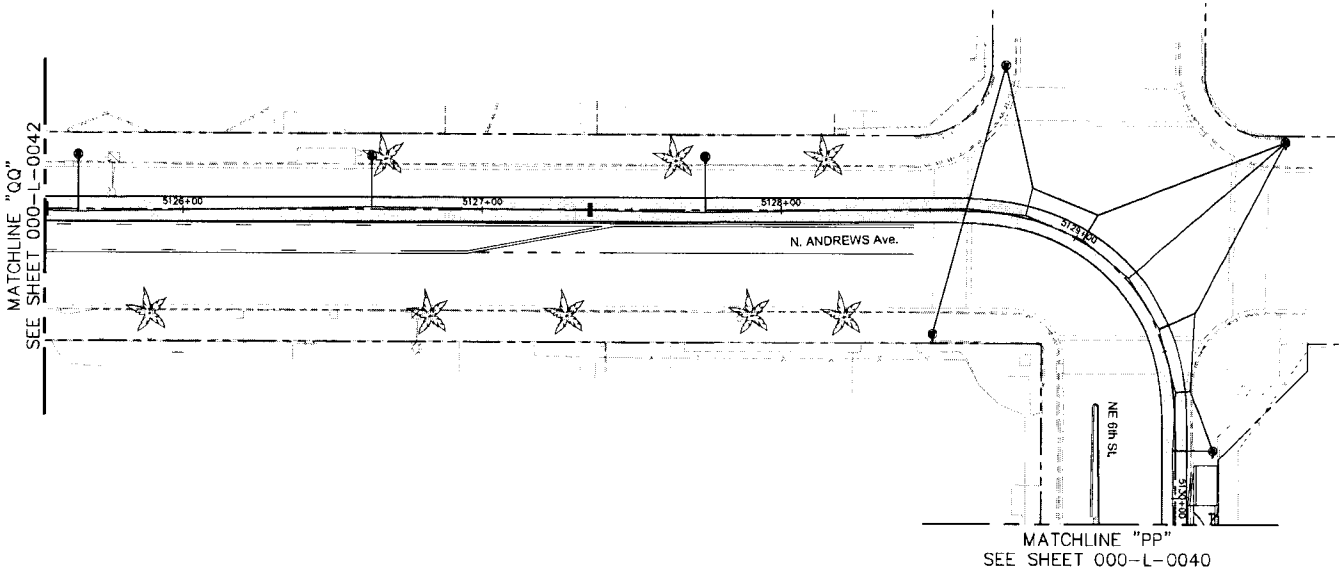
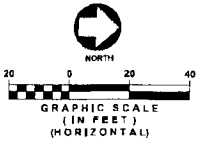
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0040



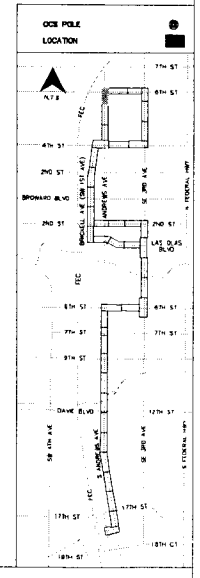


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
SUITE 100
POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

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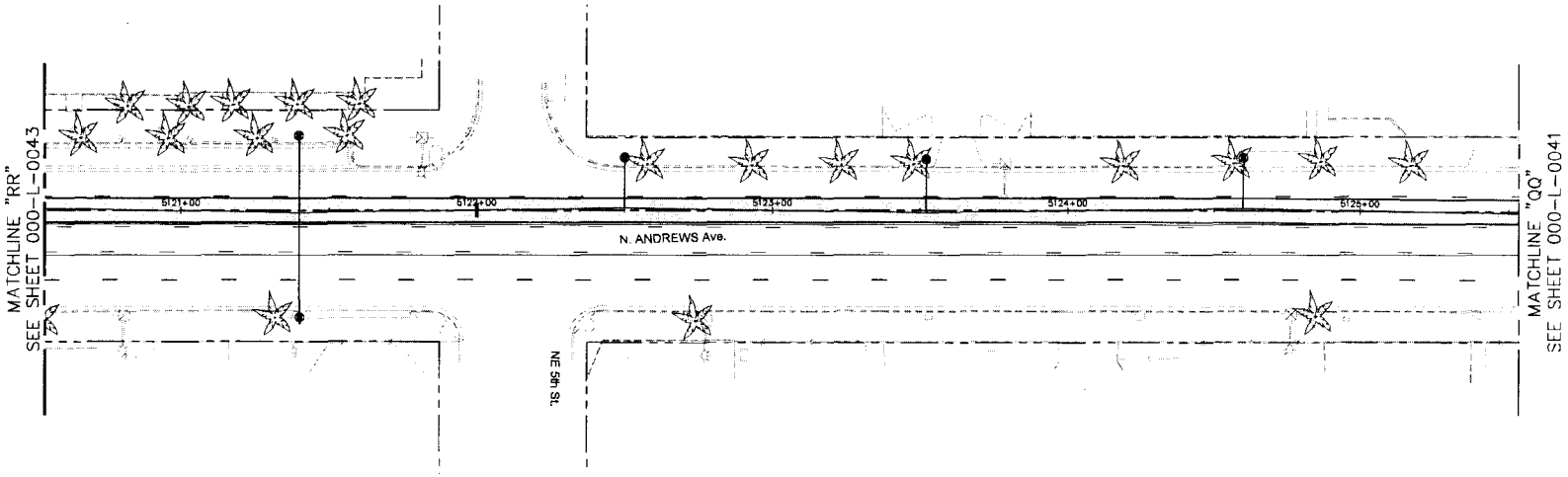
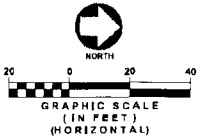
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0041



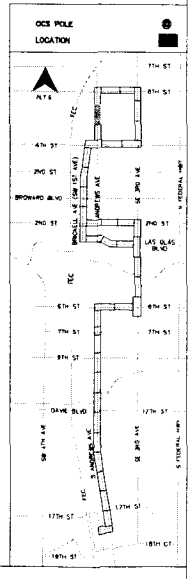


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

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800 NW 33RD STREET
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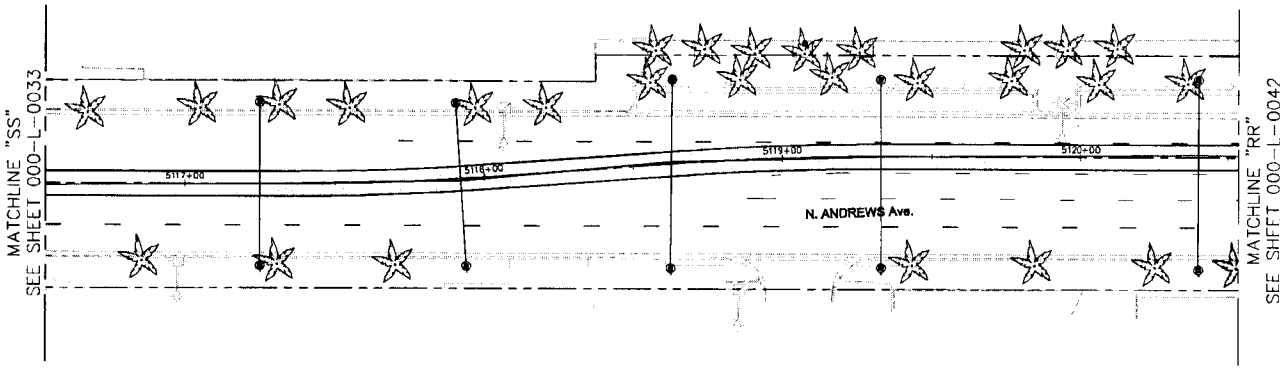
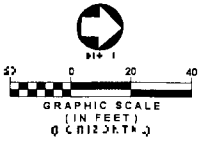
SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER: 000-L-0042



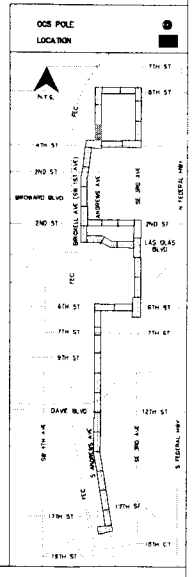


PLANT SCHEDULE

EXISTING TREES TO REMAIN

PALM TO REMAIN

TREE TO REMAIN



NOTE: NO PROPOSED LANDSCAPE FOR THIS SHEET.

No.	REVISIONS	DATE	BY

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RTA SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

800 NW 33RD STREET
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POMPANO BEACH, FL 33064

SFRTA CONTRACT NUMBER:
12-008

HDR ENGINEERING, INC.

3250 WEST COMMERCIAL BLVD., SUITE 100,
FORT LAUDERDALE, FL 33309

(954)535-1876

SUB-CONSULTANT:

Kimley»Horn

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SHEET TITLE:

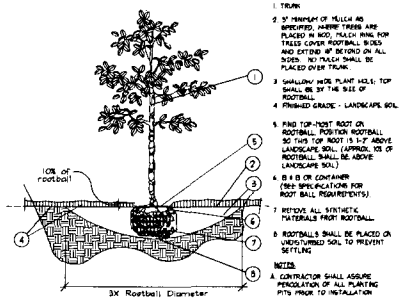
LANDSCAPE PLAN

SHEET NUMBER: 000-L-0043

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT.	CALIPER	SIZE	QTY
	PM	Phoenix dactylifera 'Medjool'	Date Palm	FG		28' O.A	18
	QV	Quercus virginiana	Southern Live Oak	FG	4" Cal	16' O.A.	44
	SP	Sabal Palmetto	Sabal Palm	FG		14' O.A.	65

GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	SPACING	QTY
	SOD	Stenotaphrum secundatum 'Floratam' SEE PLAN, CONTRACTOR TO FIELD VERIFY	'Floratam' St. Augustine	sod			8,269 sf

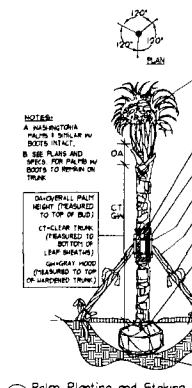


1. TRUNK
2. 3" MINIMUM OF MULCH AS SPECIFIED, MULCH TREES ARE PLACED IN ROO, MULCH RING FOR TREES COVER ROOTBALL SIDES AND EXTEND 18" BEYOND ON ALL SIDES. NO MULCH SHALL BE PLACED OVER TRUNK.
3. SHALLOW SIDE PLANT HOLE: TOP SHALL BE 3X THE SIZE OF ROOTBALL.
4. FINISHED GRADE - LANDSCAPE SOIL
5. FIND TOP-MOST ROOT ON ROOTBALL. POSITION ROOTBALL SO THIS TOP ROOT IS 1-2" ABOVE LANDSCAPE SOIL. (APPROX. 10% OF ROOTBALL SHALL BE ABOVE LANDSCAPE SOIL)
6. B & B OR CONTAINER (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS)
7. REMOVE ALL SYNTHETIC MATERIALS FROM ROOTBALL.
8. ROOTBALLS SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT SETTLING

NOTES:
A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION
B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
C. SEE PRE-APPROVED STAKING METHODS, THIS SHEET

* ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

(A) Tree Planting
SECTION NTS



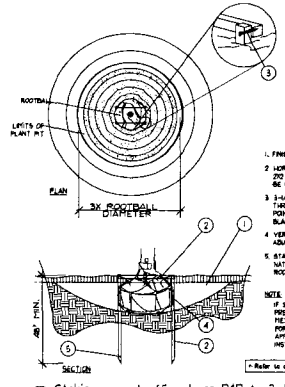
NOTES:
A. WASHINGTONIA PALMS I SHALL HV BOOTS INTACT.
B. SEE PLANS AND SPECS. FOR PALMS HV BOOTS TO REMAIN ON TRUNK

OA=OVERALL PALM HEIGHT (MEASURED TO TOP OF BUD)
CT=CLEAR TRUNK (MEASURED TO BOTTOM OF LEAF SHEATHS)
GW=GRAY WOOD (MEASURED TO TOP OF HARDENED TRUNK)

1. MINIMUM OF NINE (9) GOOD PALM FRONDS. PRUNE AND TIE FRONDS WITH HEMP TWINE. SABAL PALMS TO BE SELECTIVELY CROPPED, LEAVING ONLY NEWLY- EMERGING GROWTH.
2. 3 LAYERS OF BURLAP TO PROTECT TRUNK.
3. FIVE (5) 8'L. 2X4 WOOD BATTENS UNTREATED, #2
4. SECURE BATTENS WITH TWO (2) 3/8" CARBON STEEL BANDS TO HOLD BATTENS IN PLACE. NO NAILS SHALL BE DRIVEN INTO PALM. HEIGHT OF BATTENS SHALL BE LOCATED PROPORTIONATELY TO THE HEIGHT OF THE PALM FOR ADEQUATE BRACING
5. THREE (3) 8'L. 2X4 SUPPORTS NAIL (DRILL AND NAIL IF NECESSARY) TO BATTENS AND 2" X 4" STAKES. PALMS SHALL BE PLUMB VERTICALLY UNLESS OTHERWISE NOTED
6. PROVIDE FLAGGING AT MIDPOINT AND BASE OF SUPPORTS.
7. TOP-MOST ROOT SHALL BE VISIBLE AT THE SURFACE OF THE ROOTBALL, SLIGHTLY ABOVE SURROUNDING GRADE.
8. 3" SPECIFIED MULCH
9. FINISH GRADE
10. 24"L. (TYP.) 2X4 P.T. WOOD STAKES, NAIL TO SUPPORT POLES
11. PREPARED PLANTING SOIL AS SPECIFIED
12. ALTERNATE PALM ANCHORING SYSTEMS MAY BE SUBSTITUTED UPON APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE

PRE-APPROVED SYSTEMS
KIMBROOK TREE BRACE SYSTEM
HARBOR TIE TREE BRACING

(B) Palm Planting and Staking
SECTION NTS

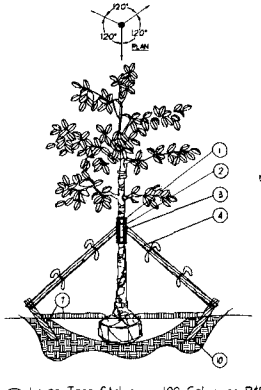


1. FINISH GRADE
2. HORIZONTAL 2X2 SCRIBED TO 2X2 STAKE. ALL WOOD SHALL BE #2 UNTREATED
3. 3-1/2" DRYWALL SCREW, THREAD SIZE 12, SHARP POINT, FULL THREAD, BLACK PHOSPHATE FINISH
4. VERTICAL STAKES SHALL ABUT SIDE OF ROOTBALL
5. STAKES TO EXTEND INTO NATIVE SOIL BY 1-1/2 X THE ROOTBALL DEPTH MIN.

NOTE
IF SPATIAL REQUIREMENTS PRECLUDE STAKING WITH THIS METHOD, SUBMIT ALTERNATE FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLING PLANT

* Refer to details B and D for staking

(C) Staking - up to 65 gal. or B&B to 3-1/2" Cal.
PLAN/SECTION NTS



1. FIVE (5) LAYERS OF BURLAP TO PROTECT TRUNK
2. TWO STEEL BANDS TO SECURE BATTENS
3. FIVE 2 x 4 x 10'L. WOOD BATTENS
4. THREE (3) 3" X 8' LODGE POLES. DRILL USING GALVANIZED SCREWS TO BATTENS AND 2" X 4" STAKES. NO SCREWS SHALL PENETRATE TREE. FLAG AT MIDPOINT AND AT BASE.
10. 2" x 4" x 3' (TYP.), P.T. WOOD STAKES BURIED 3' BELOW FINISHED GRADE
7. FINISHED GRADE (SEE GRADING PLAN)

NOTES:
A. ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE
B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER
C. ALTERNATE TREE ANCHORING SYSTEMS MAY BE SUBSTITUTED FOR WOOD STAKING SYSTEM UPON APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE

PRE-APPROVED SYSTEMS
KIMBROOK TREE BRACE SYSTEM
HARBOR TIE TREE BRACING

D. RUBBER HOSE/WIRE SYSTEMS ARE NOT ALLOWED

* Refer to details B and D for staking

(D) Large Tree Staking - 100 Gal + or B&B 4" +
SECTION NTS

No.	REVISIONS	DATE	BY

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SHEET TITLE: LANDSCAPE DETAILS

SHEET NUMBER: 000-L-0044