

AGREEMENT

Between

BROWARD COUNTY

and

City of Fort Lauderdale

for

TRAFFICWAY BEAUTIFICATION FOR  
Andrews Ave and NE 3rd Ave at NE 1st Street

This is an Agreement made and entered into by and between Broward County, a political subdivision of the State of Florida ("County"),

and

City of Fort Lauderdale, a municipal corporation located in Broward County, Florida, organized and existing under the laws of the State of Florida ("Municipality"), (collectively the "Parties").

WHEREAS, Andrews Ave and NE 3rd Ave at NE 1st Street from Andrews Ave and NE 3rd Ave at NE 1st Street is a public trafficway ("Trafficway"), classified as a County road and located within the municipal boundaries of Municipality; and

WHEREAS, it is of mutual benefit to the residents of County and Municipality to beautify the Trafficway by installing the landscaping as detailed in Article 2; and

WHEREAS, Municipality has expressed its desire to undertake the beautification of the Trafficway and the continued maintenance of the landscaping and irrigation following completion of the beautification project; and

WHEREAS, County has agreed to permit the beautification of the Trafficway, which is more particularly described in Exhibit "A," attached hereto and incorporated herein (the "Property"), subject to the terms and conditions of this Agreement; and

WHEREAS, Municipality, on the 12th day of July, 2016, has approved this Agreement, and has authorized the appropriate officers of Municipality to execute this Agreement;

NOW, THEREFORE,

In consideration of the mutual terms, conditions, promises, and covenants hereinafter set forth, County and Municipality agree as follows:

#### ARTICLE 1. DEFINITIONS

1.1 **Agreement:** Articles 1 through 8, the exhibits and documents that are expressly incorporated herein by reference.

1.2 **Approved Plans:** The construction documents and specifications depicting and defining the Project, including but not limited to the materials to be installed within the Property, all as described in Exhibit "B," attached hereto and incorporated herein.

1.3 **Board:** The Board of County Commissioners of Broward County, Florida.

1.4 **Broward County Naturescape Program:** A vision for the community that focuses on creating Florida-friendly landscapes that conserve water, protect water quality, and create wildlife habitat, as more thoroughly described at <http://www.broward.org/NaturalResources/NatureScape/Pages/Default.aspx>.

1.5 **Contract Administrator:** The Director of the Broward County Highway Construction and Engineering Division, or designee.

1.6 **County Administrator:** The administrative head of County appointed by the Board.

1.7 **County Attorney:** The chief legal counsel for County appointed by the Board.

1.8 **Division:** The Broward County Highway Construction and Engineering Division.

1.9 **Florida-Friendly Landscaping Principles:** Using low-maintenance plants and environmentally sustainable practices, as more thoroughly described at <http://www.floridayards.org>.

1.10 **Landscape or Landscaping:** Living plant materials such as grasses, ground cover, shrubs, vines, trees, or palms, and nonliving durable materials commonly used in environmental design, such as, but not limited to, curbing, rocks, pebbles, sand, paving, decorative pavers, and grading, and pump and irrigation system, as detailed in this Agreement and in the Approved Plans.

1.11 **Project:** The beautification of the Property as described in Article 2 and the Approved Plans.

1.12 **Property:** That portion of the Trafficway as described in Exhibit "A."

## ARTICLE 2. SCOPE OF PARTICIPATION

### 2.1 Municipality shall:

2.1.1 Before execution of this Agreement, prepare, or cause to be prepared, the Approved Plans. The Approved Plans shall incorporate a minimum fifty percent (50%) native species by plant type (i.e. canopy tree, palm tree, and shrub), shall comply with the Broward County Naturescape Program and Florida-Friendly Landscaping Principles, and shall be reviewed and approved by the Contract Administrator.

2.1.2 Apply to the Division for a permit, or cause application to be made for a permit, for the installation of the Landscaping as set forth in the Approved Plans. Irrigation system portion of the plans shall also be submitted to the South Florida Water Management District ("SFWMD") for issuance of any necessary Water Use Permits. Municipality shall not proceed with installation of the Landscaping authorized by this Agreement until all permits have been issued and permit conditions for commencement of construction have been satisfied.

2.1.3 In accordance with the Approved Plans, applicable provisions of the Broward County Minimum Standards, Florida Department of Transportation standards and specifications, and the Division's and SFWMD's permits, install or cause to be installed the Landscaping on the Property to the Contract Administrator's satisfaction.

2.1.4 Install and maintain, or cause to have installed and maintained, consistent with prudent and well-reasoned installation and maintenance procedures and techniques, all Landscaping within the Property in a manner that will not pose a hazard to persons or vehicles on adjacent property or right of way.

2.1.5 Following completion of the Project, provide the County with signed and sealed certified as-built drawings and warranties for any work performed as set forth in the Approved Plans.

2.1.6 Properly maintain and fertilize all vegetation in accordance with the Broward County Naturescape Program and Florida-Friendly Landscaping Principles; keep all vegetation as free from disease and harmful insects as practicable; properly mulch the vegetation beds, keeping them free from weeds; periodically mow the grass to maintain a neat and proper appearance; prune all plants so as to remove all dead or diseased parts of plants and all parts of plants which present a visual hazard or physical obstacle to the use of the right of way; remove and replace all vegetation which is dead or diseased or which otherwise falls below the initial level of beautification of the Property and keep litter removed from the right of way. Any replacement of vegetation as required herein shall be accomplished by the use of plants of the same grade as specified in the Approved Plans and shall be of the same size as those existing at the time of replacement or with a

mutually agreed upon substitution, subject to review and approval by the Contract Administrator.

2.1.7 Maintain all nonliving durable materials commonly used in environmental design, such as, but not limited to, curbing, rocks, pebbles, sand, paving, decorative pavers, and grading, in good repair.

2.1.8 If installed, maintain the entire pump and irrigation system and all of its parts in working order according to the Approved Plans, and operate said system according to applicable SFMWD regulations and restrictions. As part of such maintenance responsibility, Municipality shall keep the pump and irrigation system in good working order and repair or replace defective or worn out system parts and equipment, which system parts and equipment shall include, but not be limited to, pumps, pipes, and sprinkler heads. Municipality's responsibility to keep the system in good working order shall include all necessary maintenance, repair, and replacement of any type or nature, including, but not limited to, maintenance, repair, and replacement due to normal wear and tear, acts of God, vandalism, and accidents.

2.1.9 If the length of the Property or any portion of such length is coterminous with the jurisdictional boundaries of Municipality, Municipality shall coordinate the performance of its maintenance responsibility pursuant to this Agreement with the governmental entity or entities having jurisdiction over the adjacent area. The terms and conditions of such coordination shall be stated in a binding agreement entered into by Municipality and the adjacent governmental entity or entities and shall provide for the division of maintenance responsibility and the costs of maintenance between the Municipality and the adjacent governmental entity or entities.

2.1.10 Not by its use cause damage to the Property.

2.1.11 Provide the County, or its agent, with prompt written notice as set forth in Article 5 of any occurrence, incident, or accident occurring on the Property.

2.2 County, by and through the Contract Administrator, shall:

2.2.1 Upon receipt from Municipality of a completed application for permit and the Approved Plans, review the application for completeness and either reject the application or process the application for issuance of the permit.

2.2.2. Inspect the Project generally, and the installation of the Landscaping specifically, and reject work which does not meet the requirements of the Approved Plans.

2.2.3 After receiving signed and sealed certified as-built drawings, detailing the pertinent information regarding the installation and that the installation is in conformance with the Approved Plans, and a request for a final inspection, perform a final inspection.

2.2.4 Upon receipt of all paperwork and completion of all inspections, notify Municipality as to the status of the Project.

2.2.5 Have no further obligation except as otherwise specifically set forth herein.

2.3 All Landscaping placed upon the Property shall remain the property of Municipality, shall be placed upon the Property at Municipality's risk, and shall not be removed or relocated without the Contract Administrator's express written consent.

2.4 This Agreement does not change the County road functional classification of the Trafficway.

2.5 Municipality's obligations under this Agreement may be performed by Municipality, through the use of its employees, or Municipality may enter into a contract with a third party to perform the services. If Municipality contracts with a third party, Municipality shall remain fully responsible hereunder and shall ensure that the third party complies at all times with each and every term, condition, duty, and obligation set forth herein.

2.6 In the administration of this Agreement, as contrasted with matters of policy, Municipality may rely on the instructions or determinations made by the Contract Administrator, provided, however, that such instructions and determinations do not change the requirements of this Article 2.

### **ARTICLE 3. COSTS**

Municipality shall pay for all costs associated with the design, installation, and continued maintenance, repair, and replacement of the Landscaping, including all electrical energy and other utility charges.

### **ARTICLE 4. TERM AND TERMINATION**

4.1 This Agreement starts on the date it is fully executed by the Parties and continues in perpetuity unless terminated as provided below.

4.2 This Agreement may be terminated for cause by County, through action of the Board, upon thirty (30) days' written notice given by the Contract Administrator to Municipality setting forth the breach. If Municipality corrects the breach within thirty (30) days after written notice, to the Contract Administrator's satisfaction, this Agreement shall remain in full force and effect. If such breach is not corrected within thirty (30) days after written notice, County may terminate this Agreement. Specifically, if Municipality fails to maintain the Property, County, at the option of the Contract Administrator, may cause such breach to be corrected and invoice Municipality for the costs of the correction or terminate this Agreement. If County opts to correct the breach and invoice Municipality for the costs of correction, Municipality shall remit to County the amount invoiced within thirty (30) days of Municipality's receipt of the invoice.

4.3 Cause to terminate this Agreement includes, but is not limited to, Municipality's failure to suitably perform the services required by Article 2, or Municipality's failure to maintain the Landscaping, notwithstanding whether any such breach was previously waived or cured.

4.4 If this Agreement is terminated, Municipality shall remove from the Property, at Municipality's sole expense, any Landscaping and other improvements placed upon it unless the Contract Administrator, in writing, authorizes Municipality to leave any Landscaping or other improvements on the Property. If any Landscaping or other improvements must be removed:

4.4.1 County shall have no obligation to remove, relocate, reinstall, or replace any of the Landscaping or other improvements, or in any way compensate Municipality for any loss resulting from or arising out of the termination of this Agreement.

4.4.2 Municipality shall obtain a Division permit and replace all Landscaping with Bahia sod, and return the Property to a safe condition following removal of any Landscaping or other improvements.

4.4.3 Municipality shall be obligated to repair or pay for any damage to County property resulting from the removal of any Landscaping or other improvements.

4.4.4 If tree mitigation is required as a result of termination, Municipality shall obtain a Broward County Environmental Licensing and Building Permitting Division, Tree Preservation Program license pertaining to Chapter 27, Article XIV, Sections 27-401 through 27-414 of the Broward County Tree Preservation and Abuse Ordinance, as may be amended from time to time, to provide for relocation, removal, and replacement per the tree removal license requirements at Municipality's sole cost and expense.

## **ARTICLE 5. NOTICES**

Whenever either party desires to give notice to the other, such notice must be in writing, sent by certified United States Mail, postage prepaid, return receipt requested, or sent by commercial express carrier with acknowledgement of delivery, or by hand-delivery with a request for a written receipt of acknowledgment of delivery, addressed to the party for whom it is intended at the place last specified. The place for giving notice shall remain the same as set forth herein until changed in writing in the manner provided in this article. For the present, the Parties designate the following:

**FOR COUNTY:**

Director, Broward County Highway Construction and Engineering Division  
One North University Drive, Suite 300B  
Plantation, Florida 33324-2038

FOR MUNICIPALITY:

Fort Lauderdale Department of Transportation and I

290 N.E. 3rd Avenue

Fort Lauderdale, FL 33301

## ARTICLE 6. INDEMNIFICATION

6.1 Municipality is an entity subject to Section 768.28, Florida Statutes, as may be amended from time to time, and agrees to be fully responsible for the acts and omissions of its agents or employees to the extent permitted by law. Nothing herein is intended to serve as a waiver of sovereign immunity by any party to which sovereign immunity may be applicable. Nothing herein shall be construed as consent by Municipality to be sued by third parties in any matter arising out of this Agreement or any other contract.

6.2 If Municipality contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:

6.2.1 Indemnification: Municipality's contractor shall indemnify and hold harmless County, its officers, agents, and employees, from liabilities, damages, losses, and costs, including, but not limited to reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of Municipality's contractor and other persons employed or utilized by Municipality's contractor in the performance of this Agreement. These indemnifications shall survive the term of this Agreement. To the extent permitted by law, if any action or proceeding is brought against County by reason of any such claim or demand, Municipality's contractor shall, upon written notice from County, resist and defend such action or proceeding by counsel satisfactory to County.

6.2.2 To the extent permitted by law, the indemnification provided above shall obligate Municipality's contractor to defend, at its own expense, to and through appellate, supplemental, or bankruptcy proceeding, or to provide for such defense, at County's option, any and all claims of liability and all suits and actions of every name and description covered by subsection 6.2.1 above which may be brought against County, whether services were performed by Municipality's contractor or persons employed or utilized by Municipality's contractor.

6.3 The provisions of this article shall survive the termination of this Agreement

## ARTICLE 7. INSURANCE

7.1 Municipality shall provide the Contract Administrator with written verification of liability protection in accordance with state law prior to final execution of this Agreement. Additionally, if Municipality elects to purchase excess liability coverage, Municipality agrees that County will be



furnished with a Certificate of Insurance listing "Broward County" as certificate holder and an additional insured.

7.2 If Municipality contracts with a third party to provide the services set forth herein, any contract with such third party shall include, at a minimum, the following provisions:

7.2.1 Insurance: Municipality's contractor shall keep and maintain, at the contractor's sole cost and expense, insurance of the types and minimum amounts as set forth on Exhibit "C," and specifically protect County by naming "Broward County" as an additional insured under the Commercial General Liability Insurance policy as well as any Excess Liability policy.

7.2.2 Municipality's contractor, upon request, shall furnish to the Contract Administrator, Certificates of Insurance and Endorsements evidencing the insurance coverage specified above prior to beginning the performance of work under this Agreement.

7.2.3 Coverage is not to cease and is to remain in full force and effect until all performance required of Municipality's contractor is completed.

#### **ARTICLE 8. MISCELLANEOUS**

8.1 Documents. Copies of any and all reports, photographs, surveys, plans, and other data and documents provided or created in connection with this Agreement shall be provided to County at no cost.

8.2 Independent Contractor. Municipality is an independent contractor under this Agreement. In performing under this Agreement, neither Municipality nor its agents shall act as officers, employees, or agents of County. Municipality shall not have the right to bind County to any obligation not expressly undertaken by County under this Agreement.

8.3 Third Party Beneficiaries. Neither Municipality nor County intends to directly or substantially benefit a third party by this Agreement. Therefore, the Parties acknowledge that there are no third party beneficiaries to this Agreement and that no third party shall be entitled to assert a right or claim against either of them based upon this Agreement.

8.4 Assignment and Performance. Neither this Agreement nor any right or interest herein shall be assigned, transferred, or encumbered by Municipality without the prior written consent of County. If Municipality violates this provision, County shall have the right to immediately terminate this Agreement. Municipality represents that each person and entity that will perform services under this Agreement is duly qualified to perform such services by all appropriate governmental authorities, where required, and is sufficiently experienced and skilled in the area(s) for which such person or entity will render services. Municipality agrees that all services under this Agreement shall be performed in a skillful and respectful manner, and that the quality of all such services shall equal or exceed prevailing industry standards for the provision of such services.



8.5 Materiality And Waiver of Breach. Each requirement, duty, and obligation set forth herein was bargained for at arm's-length and is agreed to by the Parties. Each requirement, duty, and obligation set forth herein is substantial and important to the formation of this Agreement, and each is, therefore, a material term hereof. County's failure to enforce any provision of this Agreement shall not be deemed a waiver of such provision or modification of this Agreement. A waiver of any breach of a provision of this Agreement shall not be deemed a waiver of any subsequent breach and shall not be construed to be a modification of the terms of this Agreement.

8.6 Compliance With Laws. Municipality shall comply with all applicable federal, state, and local laws, codes, ordinances, rules, and regulations in performing its duties, responsibilities, and obligations pursuant to this Agreement.

8.7 Severability. If a portion of this Agreement is found to be unenforceable by any court of competent jurisdiction, that part shall be deemed severed from this Agreement and the balance of this Agreement shall remain in full force and effect.

8.8 Joint Preparation. This Agreement has been jointly prepared by the Parties hereto, and shall not be construed more strictly against either Party.

8.9 Interpretation. The headings contained in this Agreement are for reference purposes only and shall not affect in any way the meaning or interpretation of this Agreement. All personal pronouns used in this Agreement shall include the other gender, and the singular shall include the plural, and vice versa, unless the context otherwise requires. Terms such as "herein," "hereof," "hereunder," and "hereinafter," refer to this Agreement as a whole and not to any particular sentence, paragraph, or section where they appear, unless the context otherwise requires. Whenever reference is made to a Section or Article of this Agreement, such reference is to the Section or Article as a whole, including all of the subsections of such Section, unless the reference is made to a particular subsection or subparagraph of such Section or Article.

8.10 Priority of Provisions. If there is a conflict or inconsistency between any term, statement, requirement, or provision of any exhibit attached hereto or referenced or incorporated herein and any provision of Articles 1 through 8 of this Agreement, the provisions contained in Articles 1 through 8 shall prevail and be given effect.

8.11 Law, Jurisdiction, Venue, Waiver Of Jury Trial. This Agreement shall be interpreted and construed in accordance with and governed by the laws of the state of Florida. The Parties agree that the exclusive venue for litigation arising from, related to, or in connection with this Agreement shall be in the state courts of the Seventeenth Judicial Circuit in and for Broward County, Florida. If any claim arising from, related to, or in connection with this Agreement must be litigated in federal court, the Parties agree that the exclusive venue for such lawsuit shall be in the United States District Court or United States Bankruptcy Court for the Southern District of Florida.  
**BY ENTERING INTO THIS AGREEMENT, MUNICIPALITY AND COUNTY HEREBY EXPRESSLY WAIVE**

ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS AGREEMENT. IF A PARTY FAILS TO WITHDRAW A REQUEST FOR A JURY TRIAL IN A LAWSUIT ARISING OUT OF THIS AGREEMENT AFTER WRITTEN NOTICE BY THE OTHER PARTY OF VIOLATION OF THIS SECTION, THE PARTY MAKING THE REQUEST FOR JURY TRIAL SHALL BE LIABLE FOR THE REASONABLE ATTORNEYS' FEES AND COSTS OF THE OTHER PARTY IN CONTESTING THE REQUEST FOR JURY TRIAL, AND SUCH AMOUNTS SHALL BE AWARDED BY THE COURT IN ADJUDICATING THE MOTION.

8.12 Amendments. No modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document prepared with the same or similar formality as this Agreement and executed by the Board and Municipality or others delegated authority or otherwise authorized to execute same on their behalf.

8.13 Prior Agreements. This Agreement represents the final and complete understanding of the Parties regarding the subject matter hereof and supersedes all prior negotiations and discussions regarding that subject matter. There is no commitment, agreement, or understanding concerning the subject matter of this Agreement that is not contained in this written document.

8.14 Incorporation By Reference. Any and all Recital or "Whereas" clauses stated above are true and correct and are incorporated by reference. The attached Exhibits "A," "B," and "C" are incorporated into and made a part of this Agreement.

8.15 Representation Of Authority. Each individual executing this Agreement on behalf of a party hereto hereby represents and warrants that he or she is, on the date he or she signs this Agreement, duly authorized by all necessary and appropriate action to execute this Agreement on behalf of such party and does so with full legal authority.

8.16 Counterparts and Multiple Originals. This Agreement may be executed in multiple originals, and may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same agreement.

8.17 Nondiscrimination. No party to this Agreement may discriminate on the basis of race, color, sex, religion, national origin, disability, age, marital status, political affiliation, sexual orientation, pregnancy, or gender identity and expression in the performance of this Agreement.

8.18 Changes to Form Agreement. Municipality represents and warrants that there have been no revisions, alterations, or changes whatsoever to this form Agreement without the prior written consent of the County Attorney's Office. Any unapproved changes shall be deemed a default of this Agreement and of no legal effect.

IN WITNESS WHEREOF, the Parties hereto have made and executed this Agreement:  
BROWARD COUNTY, through its BOARD OF COUNTY COMMISSIONERS, signing by and through its  
Mayor or Vice-Mayor, authorized to execute same by Board action on the \_\_\_\_ day of \_\_\_\_\_,  
20\_\_, and \_\_\_\_\_, signing by and through its  
\_\_\_\_\_, duly authorized to execute same.

COUNTY

ATTEST:

BROWARD COUNTY, by and through  
its Board of County Commissioners

\_\_\_\_\_  
Broward County Administrator, as  
Ex-Officio Clerk of the Broward County  
Board of County Commissioners

By \_\_\_\_\_  
Mayor

\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Insurance requirements  
approved by Broward County  
Risk Management Division

Approved as to form by  
Joni Armstrong Coffey  
Broward County Attorney  
Governmental Center, Suite 423  
115 South Andrews Avenue  
Fort Lauderdale, Florida 33301  
Telephone: (954) 357-7600  
Telecopier: (954) 357-7641

By \_\_\_\_\_  
Signature (Date)

By \_\_\_\_\_  
(Date)  
Assistant County Attorney

\_\_\_\_\_  
Print Name and Title above

\_\_\_\_\_  
(Date)  
Deputy County Attorney

07/06/15  
HCED Form - Beautification (Muni performs and maintains)\_v3Final-20150706

AGREEMENT BETWEEN BROWARD COUNTY AND City of Fort Lauderdale FOR  
TRAFFICWAY BEAUTIFICATION FOR Andrews Ave and NE 3rd Ave at NE 1st Street

MUNICIPALITY

ATTEST:



Municipal Clerk

JEFFREY A. MODARELLI

(Print/Type Name)

(SEAL)



City of Fort Lauderdale

By



Mayor-Commissioner

JOHN P. "JACK" SEILER

(Print/Type Name)

1st day of August, 2016.



Municipal Manager

Stanley D. Hawthorne

(Print or Type Name)

APPROVED AS TO FORM

By



Municipal Attorney

Cole Copertino

# EXHIBIT A

## INTERSECTION LOCATION AND PERMIT DRAWINGS (BCHCED REFERENCE #140918002)



Permit Set  
Must be on jobsite at all times during construction

Notice: Inspection Required  
24 hrs. prior to commencing any work in the public R/W, contact the Broward County Highway Construction and Engineering Division at 954-377-4600 for inspection.

Note: Approval of this plan does not constitute a permit for construction. A permit for construction must be obtained from the Broward County Highway Construction and Engineering Division prior to commencing construction in the public right of way.

All materials used and installations within the public right of way or easements shall be in accordance with Broward County Highway Construction and Engineering Division Specifications.

## CITY OF FORT LAUDERDALE

### CONTRACT PLANS

#### NE 1st St. Pedestrian Crossings at N Andrews Ave. and NE 3rd Ave.

#### INDEX OF PLANS

| SHEET NO. | SHEET DESCRIPTION  |
|-----------|--|
| 1         | Cover Sheet  |
| 2-3       | Roadway Plans  |
| 4         | Details and General Notes                                    |
| 5         | Turning Radius Details                                       |
| 6         | Directional Bore Detail                                      |
| S1-S2     | Broward County Signing and Pavement Marking Standard Details |
| S3-S4     | Signing and Pavement Marking Plans                           |
| L4-L6     | Landscape Plans  |

#### LIST OF REVISED INDEX DRAWINGS

| SHEET NO. | SHEET DESCRIPTION |
|-----------|-------------------|
|-----------|-------------------|

ADDITIONAL STANDARDS AND SPECIFICATIONS: Florida Department of Transportation, 2014 Design Standards and revised Index Drawings as appended herein, 2014 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents, Florida Greenbook, and Broward County Minimum Standards.

For Design Standards click on the "Design Standards" link at the following web site:  
<http://www.dot.state.fl.us/rddesign/>  
For Florida Greenbook click on the "Florida Greenbook" link at the same site

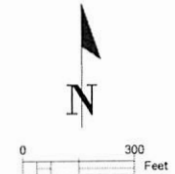
For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:  
<http://www.dot.state.fl.us/specificationsoffice/>

For Broward County Minimum Standards click on the "Minimum Standards" link at the following web site:  
<http://webapps2.broward.org/bcengineering/index.asp>



BCHCED R/W #140918002  
DESIGN CONTRACT NO. RQ1509713

Project Location



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

ROADWAY PLANS  
PREPARED BY:  
John-Mark Palacios, P.E.  
PO Box 3866  
Lihue, HI 96766

ENGINEER OF RECORD: John-Mark Palacios, P.E.

P.E. NO.: 73981

BROWARD COUNTY HIGHWAY CONSTRUCTION  
AND ENGINEERING DIVISION

- ☐ PLAN CONSISTENT WITH PLAT REQUIREMENTS
- ☐ PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: DATE:

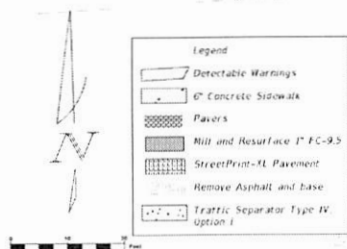
DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

#### KEY SHEET REVISIONS

| DATE | DESCRIPTION |
|------|-------------|
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 15          | 1         |





Permit Set  
Must be on jobsite at all times during construction

Notice: Inspection Required  
24 hrs. prior to commencing any work in the public R/W, contact the Broward County Highway Construction and Engineering Division at 954-577-4600 for inspection.

Note: Approval of this plan does not constitute a permit for construction. A permit for construction must be obtained from the Broward County Highway Construction and Engineering Division prior to commencing construction in the public right of way.

All materials used and installations within the public right of way or easements shall be in accordance with Broward County Highway Construction and Engineering Division Specifications.

General Notes

1. Applicable Standards and Specifications: FDOT 2014 Design Standards, FDOT Standard Specifications for Road and Bridge Construction 2014.
2. Conflicting utilities to be adjusted by others. Contractor responsible for coordinating work schedule with utility agency.
3. All other existing features to remain except where noted.
4. Refer to FDOT Standard Index 102 for Traffic Separator Details. Grind existing asphalt 1\"/>

BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

☐ PLAN CONSISTENT WITH PLAT REQUIREMENTS

☐ PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

☐ DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

| No. | Revised/Placed | Date |
|-----|----------------|------|
|     |                |      |

Drawn Name and Address:  
Engineer of Record:  
John Mark Palamos, P.E.  
License # 23981  
PO Box 3806  
Lauder, FL 39566

Project Name and Address:  
NE 1st St. Pedestrian Crosswalks  
City of Fort Lauderdale  
100 N Andrews Ave.  
Fort Lauderdale, FL 33301

|             |           |        |        |
|-------------|-----------|--------|--------|
| Project No: | RQ15C9713 | Sheet: | 2      |
| Date:       | 6/22/2016 | Scale: | 1"=13' |

N Andrews Ave. Intersection

## General Notes

1. Applicable Standards and Specifications: FDOT 2014 Design Standards, FDOT Standard Specifications for Road and Bridge Construction 2014.
2. Conflicting utilities to be adjusted by others. Contractor responsible for coordinating work schedule with utility agency.
3. All other existing features to remain except where noted.
4. Refer to FDOT Standard Index 302 for Traffic Separator Details. Grind existing asphalt if or as needed beneath the traffic separator location to meet required concrete depth.
5. Streetpoint XL to be installed in accordance with FDOT specification 523-1 for Patterned Pavement.
6. Match existing asphalt surface curb and gutter, and sidewalks at limits.
7. Screenshot all edges.
8. Reset utility boxes and valve covers to match finish grade.

## BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

- ☐ PLAN CONSISTENT WITH PLAT REQUIREMENTS
- ☐ PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS

## Title Block and Notes

Engineer of Record:  
John Mark Palatrin, P.E.  
License # 23281

PO Box 3866  
Ft. Lauderdale, FL 33301

## Project Name and Address

NE 1st St. Pedestrian Crosswalks  
City of Fort Lauderdale  
100 N Andrews Ave.  
Fort Lauderdale, FL 33301

Project: R01509713

Date: 6/22/2016

Scale: 1"=10'

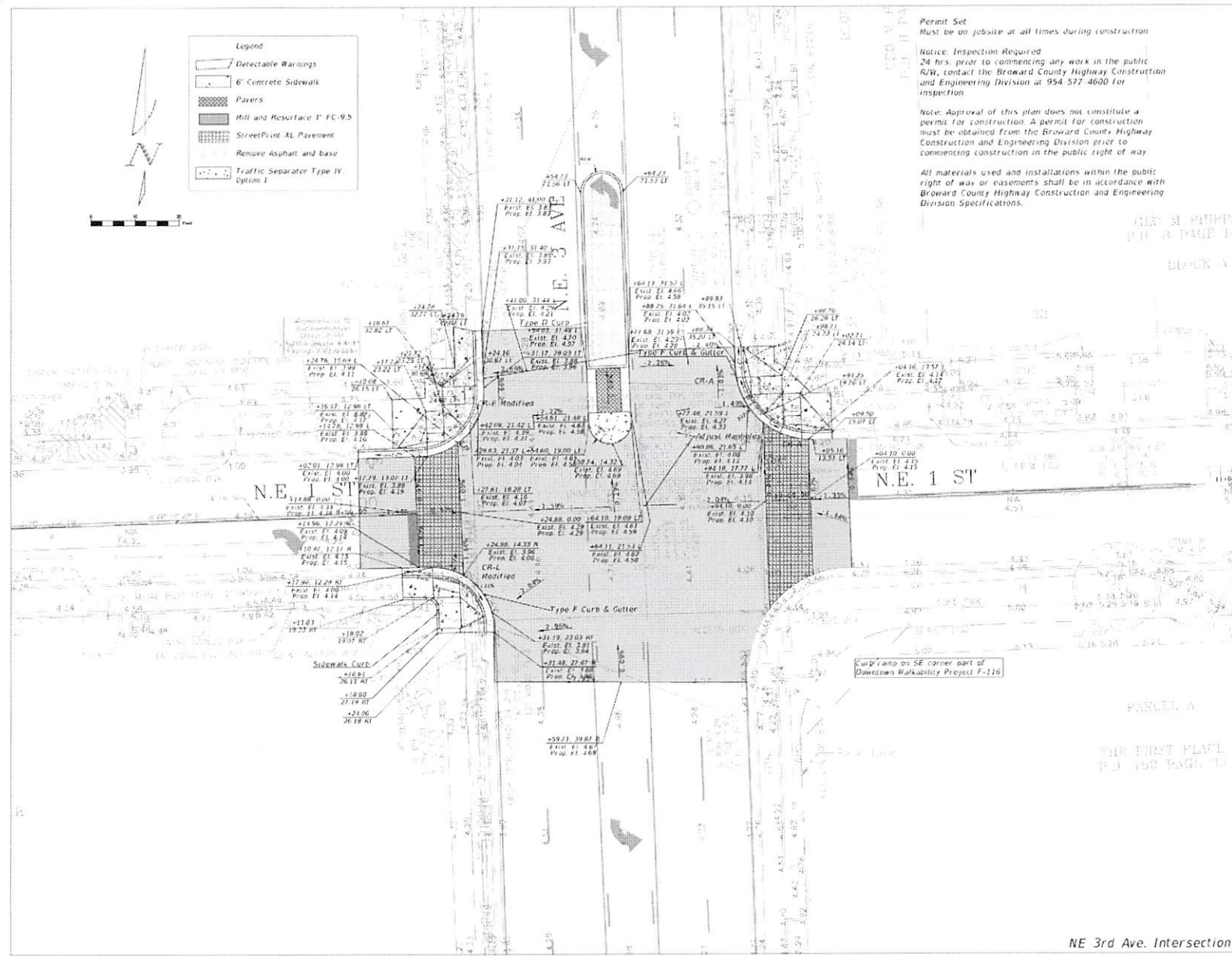
3

Permit Set  
Must be on jobsite at all times during construction

Notice: Inspection Required  
24 hrs. prior to commencing any work in the public R/W, contact the Broward County Highway Construction and Engineering Division at 954-572-4600 for inspection.

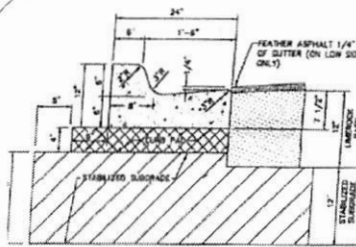
Note: Approval of this plan does not constitute a permit for construction. A permit for construction must be obtained from the Broward County Highway Construction and Engineering Division prior to commencing construction in the public right of way.

All materials used and installations within the public right of way or easements shall be in accordance with Broward County Highway Construction and Engineering Division Specifications.



NE 3rd Ave. Intersection





NOTE:  
SEEN USED ON HIGH SIDE OF ROADWAYS THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE CURB SHALL BE 12" INSTEAD OF 1 1/2".

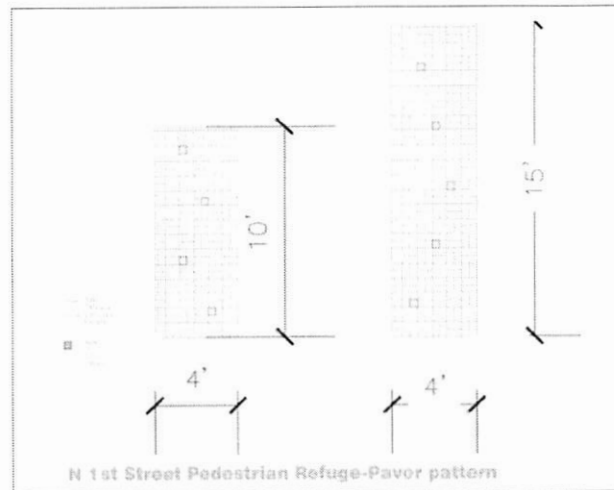
### TYPE "F" CURB & GUTTER

SCALE: NONE

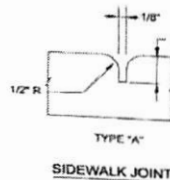
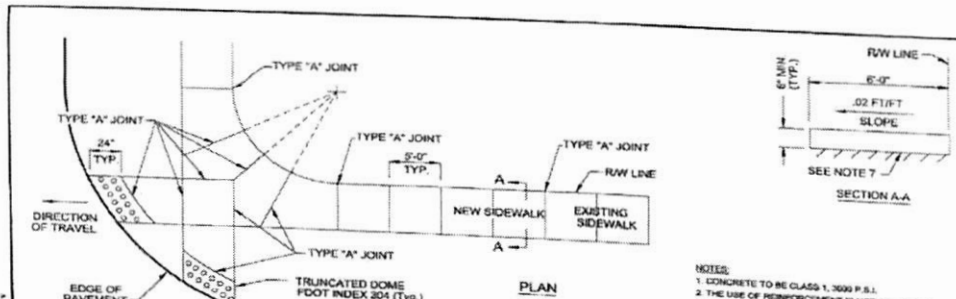
### Plan Set General Notes:

- Utilities:**
- The agency responsible for maintenance of the traffic signals and related equipment in Broward County Traffic Engineering Division (BCTED). All system communications equipment, cabling and related material shall comply with Broward County's latest edition of the minimum standards as expressed in the "Standards and Specifications - Communications Infrastructure" document. Please refer to BCTED's Communications Policies and Procedures for additional information. Broward County Traffic Engineering Division will not accept any projects that do not meet these standards and specifications. If from city pull boxes will need to be installed. For a copy of these standards refer to the Broward County web site at [www.Broward.net/TRAFFIC](http://www.Broward.net/TRAFFIC) under publications.
  - All BCTED communications cables/cables shall be located a minimum of 48 inches in advance.
  - When communications to an intersection must be disrupted by a Contractor to perform work, the Contractor shall provide two day advance notice in writing to the Broward County Traffic Engineering Division. This notification shall be conveyed via electronic mail (email) to the Traffic Signal Technician III (or higher) and/or the Communications Manager (or higher) (electronically) by telephone number, location and duration. The disruption shall last for no more than 3 consecutive business days. Where possible, the disruption shall be during off peak hours beginning at 9:00am and ending at 5:00pm.

- Maintenance of Traffic:**
- The MAINTENANCE OF TRAFFIC plan, provided by the Contractor, shall include provisions for pedestrian and/or school student traffic as well as vehicle traffic. The following are minimum requirements:
- The safe walk route for all school students within the vicinity of the construction zone SHALL be maintained during the times students are arriving at or leaving school. If the current walking surface cannot be maintained, then a temporary walkable surface SHALL be created utilizing 4-foot road rolls. The safe walk route SHALL be separated from the construction activity by water filled barrel walls for the entire length of the project or the length of the walk route, whichever is less, with proper pedestrian openings only at designated crossings. To be successful at the project location - without safety meeting. This walkable surface shall meet all ADA requirements. The Contractor shall also install or modify any additional pavement, signing, markings or pedestrian signals as needed in conjunction with this safe walk route throughout their project.
  - All construction equipment around any designated crosswalk SHALL cease to operate during the times students are arriving at or leaving school. All construction equipment adjacent to a designated crosswalk SHALL cease operation unless the activity is necessary to maintain the safe walk route.
  - In the case that a designated crossing or any portion of the designated walk route cannot be maintained, then the Contractor SHALL notify the Special Projects Coordinator at Broward County Traffic Engineering Division (954) 847-2650, a minimum of ten (10) working days prior to closing the route in order that an alternate crossing route can be established.
  - It SHALL be the responsibility of the Contractor to install any necessary pavement, road roll, barrier marking and signage and/or any pedestrian signals and/or signal coordination to accommodate an existing or alternate walk route.
  - It SHALL be the Contractor's responsibility to provide State Certified School Crossing Guards at all designated crosswalks for school students at any location where their route is temporarily disrupted. The Contractor may use the Flagger ONLY if they are State Certified as a School Crossing Guard.
  - Thirty (30) days prior to the beginning of construction the Contractor SHALL notify the Special Projects Coordinator at Broward County Traffic Engineering Division, (954) 847-2650, to arrange a pre-construction - school safety meeting.
  - It SHALL be the Contractor's responsibility to notify the Broward County School Board Pupil Transportation Department in advance of a pre-construction school bus route meeting at the following:
    - Ruth Masters - Routing (954) 321-1100 Ext. # 2309
    - Vincent Harrell - Student Transportation & Fleet Service (954) 321-4472
    - Wesley Tackerman - Student Transportation & Fleet Service (954) 321-4400 Ext. # 2606
  - This meeting is to discuss all bus routes and to make any necessary arrangements for rerouting. This meeting may include the Special Projects Coordinator from Broward County Traffic Engineering Division (954) 847-2650.
  - The Contractor SHALL be responsible for providing a safe and adequate walking surface for all school children/pedestrians. The safe walk route SHALL be part of the MAINTENANCE OF TRAFFIC plan.
  - The Contractor SHALL be responsible for obtaining an approved Maintenance of Traffic Plan (MOT), including the above school/pedestrian compliance, through Broward County Traffic Engineering Division or local Municipality, depending on roadway jurisdiction. The conditions outlined in the MOT are in effect and fully enforceable as part of the project improvements. The Contractor SHALL be responsible for ensuring that all work associated with this project is in compliance with all the requirements of the approved MOT, including the above school/pedestrian conditions.
  - The Contractor SHALL ensure that there are NO speed limit signs installed within the designated reduced speed zone, at any time throughout the project.



N 1st Street Pedestrian Refuge-Pavement pattern



| TYPE | LOCATION                            |
|------|-------------------------------------|
| "A"  | 5'-0" CENTER TO CENTER ON SIDEWALKS |

- NOTES:**
- CONCRETE TO BE CLASS 1, 3000 P.S.I.
  - THE USE OF REINFORCEMENT IS NOT PERMITTED.
  - SIDEWALK SLOPES SHALL MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT.
  - RAMPES SHALL BE PROVIDED AT ALL INTERSECTIONS IN ACCORDANCE WITH FOOT INDEX 304.
  - THE VERTICAL DEVIATION FOR A NEW SIDEWALK SHALL NOT BE MORE THAN 1/2".
  - THE VERTICAL DEVIATION FOR A NEW MAINTENANCE ACCESS STRUCTURE COVER SHALL NOT BE MORE THAN 1/2".
  - SUBGRADE MATERIAL SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY, PER AASHTO T-99.
  - STAMPED CONCRETE IS NOT ALLOWED IN LIEU OF TRUNCATED DOMES.
  - SEE HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION APPROVED PRODUCT LIST FOR ACCEPTABLE MATERIALS FOR TRUNCATED DOMES.

|  |          |
|--|----------|
| BROWARD COUNTY<br>HIGHWAY CONSTRUCTION<br>AND ENGINEERING DIVISION |          |
| SIDEWALK<br>TYPICAL DETAILS  |          |
| Approved by: C. RUSSELL  | 14       |
| Reviewed: 12/06/13 JH  | DWG. NO. |

BCHCED Ref #1-0918002

**General Notes**

Permit Set  
Must be on jobsite at all times during construction.

Notice: Inspection Required  
24 hrs. prior to commencing any work in the public R/W, contact the Broward County Highway Construction and Engineering Division at 954-577-4600 for inspection.

Note: Approval of this plan does not constitute a permit for construction. A permit for construction must be obtained from the Broward County Highway Construction and Engineering Division prior to commencing construction in the public right of way.

All materials used and installations within the public right of way or easements shall be in accordance with Broward County Highway Construction and Engineering Division Specifications.

|   |                |
|---|----------------|
| BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION                                      |                |
| <input checked="" type="checkbox"/> PLAN CONSISTENT WITH PLAT REQUIREMENTS                        |                |
| <input checked="" type="checkbox"/> PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE |                |
| BY: DATE:   |                |
| DO NOT PROCEED WITHOUT APPROVAL OF PAVING, GRADING & DRAINAGE                                     |                |
| NO.   | Rev/Comp/Issue |
|   | Issued         |

|  |   |
|--|---|
| John A. ...<br>Engineer of Record<br>John A. ... P.E.<br>License # 71963<br>PO Box 3866<br>Fort Lauderdale, FL 33301 | Project Name and Address<br>NE 1st St. Pedestrian Crosswalks<br>City of Fort Lauderdale<br>105 N. Andrews Ave.<br>Fort Lauderdale, FL 33301 |
|--|---|

|                    |          |
|--------------------|----------|
| Project: R01509713 | Sheet: 4 |
| Date: 6/22/2016    |          |
| Drawn: 1415531313  |          |

File: C:\Users\JM\Dropbox\Camino Palacios\Civil 3D Sheetlog for invalid reference

Details and General Notes

BCHCD Ref #140918002

General Notes

1. Design Vehicle: Single Unit Truck.
2. There are several alternate access routes, utilizing those that can be done solely with right turns, to accommodate semi-trailer left turns.

Permit Set  
Must be on jobsite at all times during construction.

Notice, Inspection Required  
24 hrs. prior to commencing any work in the public ROW, contact the Broward County Highway Construction and Engineering Division at 954-377-4600 for inspection.

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BROWARD COUNTY MINIMAL CONSTRUCTION AND ENGINEERING DIVISION

- ☐ PLAN CONSISTENT WITH PLAT REQUIREMENTS
- ☐ PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
(DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS)

No. \_\_\_\_\_ Re-inspection \_\_\_\_\_ Date \_\_\_\_\_

For Plans and Records  
Engineer of Record  
John Mark Parsons, P.E.  
License # 13381  
PD Exp. 2006  
E.O.C. 12/95/05

Project Name: N.E. 1st St. Pedestrian Crosswalks  
City of Fort Lauderdale  
1500 N. Andrews Ave.  
Fort Lauderdale, FL 33301

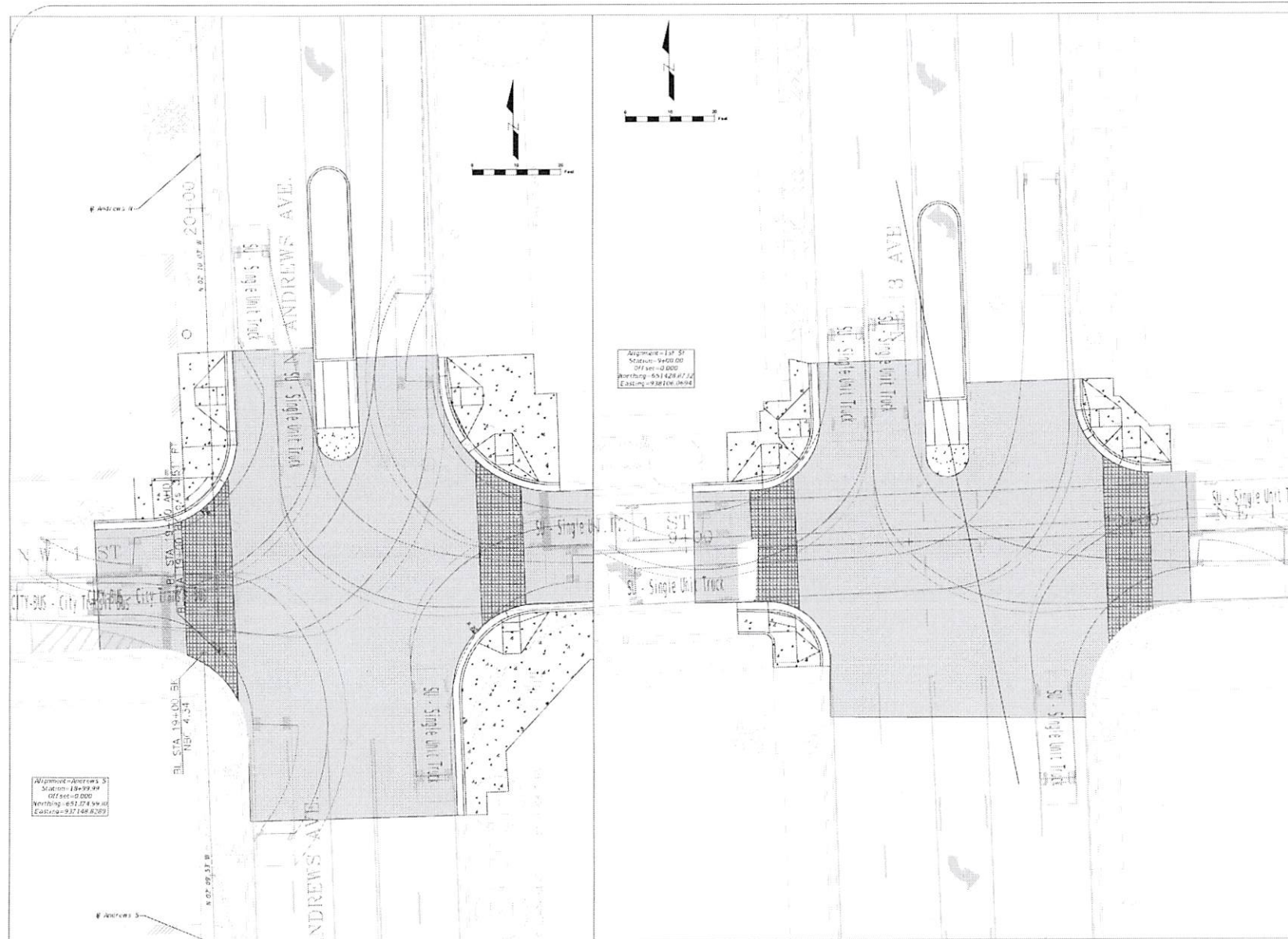
Project: R01509713

Date: 6/22/2016

Scale: 1"=10'

5

Turning Radius details





## General Notes

Permit Set  
Must be on jobsite at all times  
During construction

Notice: Inspection Required  
24 hrs. prior to commencing any  
work in the public ROW, contact the  
Broward County Highway  
Construction and Engineering Division  
at 954-577-4600 for inspection.

Note: Approval of this plan does not  
constitute a permit for construction.  
A permit for construction must be  
obtained from the Broward County  
Highway Construction and  
Engineering Division prior to  
commencing construction in the public  
right of way.

All materials used and installations  
within the public right of way or  
easements shall be in accordance  
with Broward County Highway  
Construction and Engineering Division  
Specifications.

## Notes:

- Underground utility locations not  
shown. Contractor responsible  
for identifying and avoiding  
underground utilities during  
placement of the directional  
bore.
- Elevations shown are for  
structures over the 3rd Ave. cover  
requirements are the same.

BROWARD COUNTY HIGHWAY CONSTRUCTION  
AND ENGINEERING DIVISION

- ☐ PLAN CONSISTENT  
WITH PLAT REQUIREMENTS
- ☐ PUBLIC RIGHT OF WAY APPROVAL  
FOR PAVING, GRADING AND DRAINAGE

DATE: \_\_\_\_\_  
2008 NOT INCLUDE APPROVAL  
OF PLUMBING WORKING & BOND

No. \_\_\_\_\_ Revision/Issue \_\_\_\_\_ Date \_\_\_\_\_

Don Aron, P.E.  
Engineer of Record  
1000-Mark Parkway, P.E.  
License # 73961

P.O. Box 2888  
Tallahassee, FL 32301

Project Name and Address  
NE 1st St. Pedestrian Crosswalk  
City of Fort Lauderdale  
100 N Andrews Ave.  
Fort Lauderdale, FL 33301

Project: RD1509713

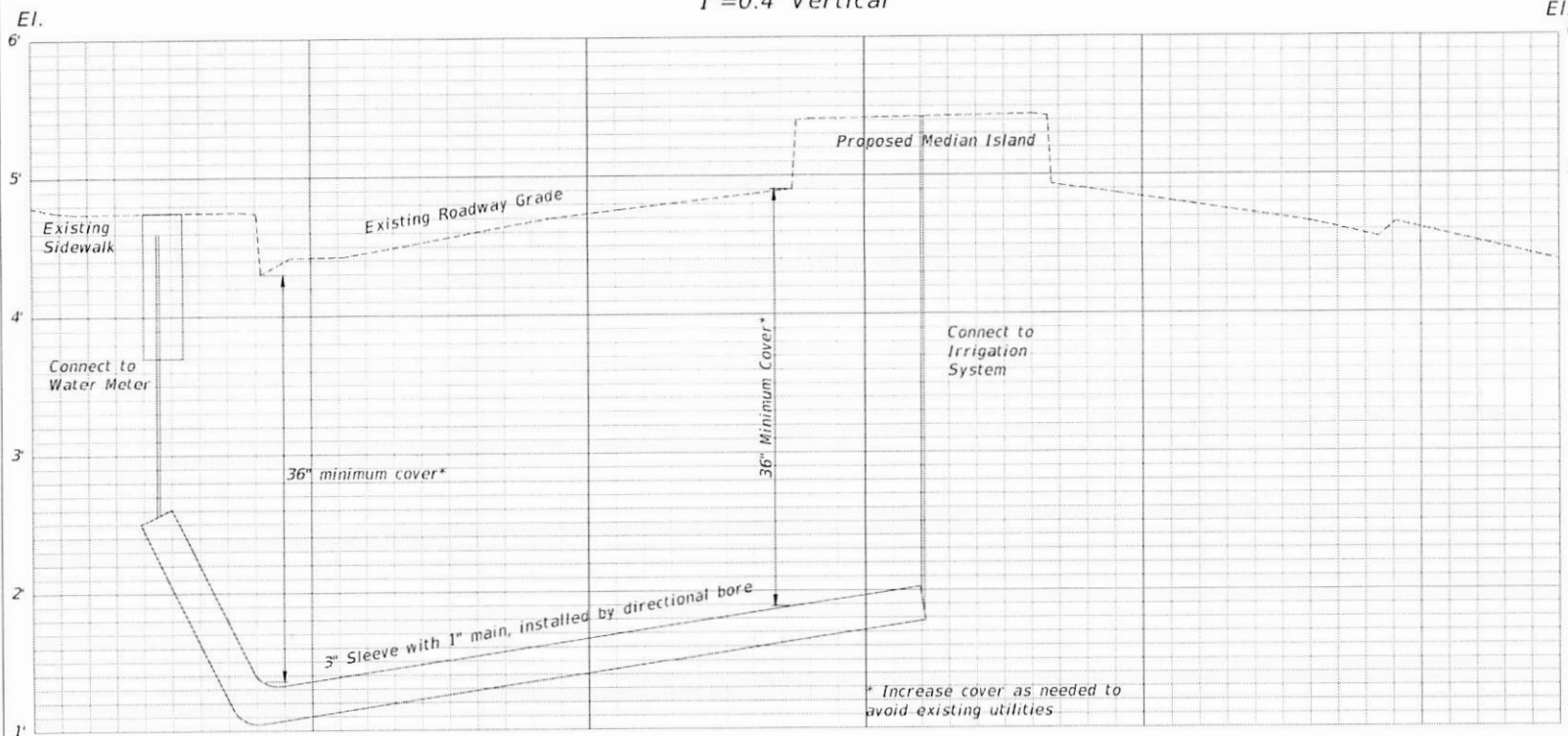
Date: 6/22/2016

Scale: 1"=2'

Sheet  
6

### Directional Bore Typical Detail

Scale: 1" = 2' Horizontal  
1" = 0.4' Vertical



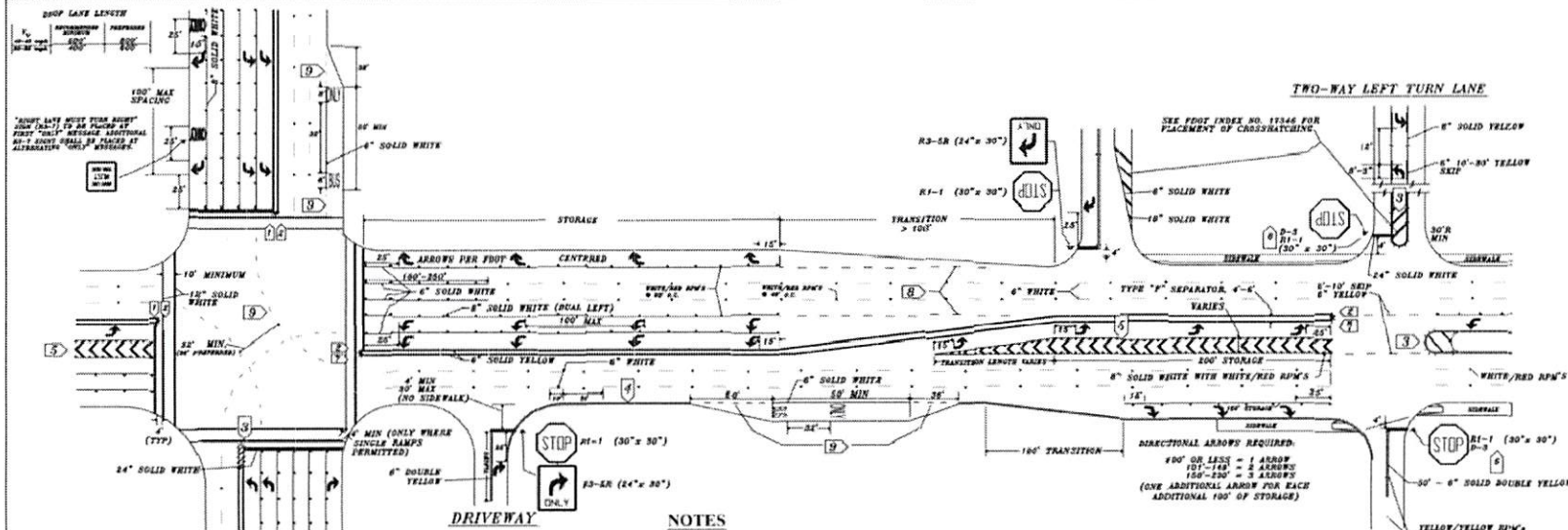
General Notes

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- (a) ALL PAVEMENT MARKINGS SHALL BE ALKYL-BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
- (b) ALL PAVEMENT MARKINGS ON PAVE SYSTEMS SHALL BE 1/2" MIN. TAPE AND APPLIED WITH AN 1/4" CONTACT CEMENT AS PER MANUFACTURER'S SPECIFICATIONS.
- (c) ALL PAVEMENT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES', LATEST EDITION.

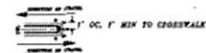
- (d) SEE FOOT INDEX NO. 17352 FOR PLACEMENT OF RPM'S. (FOR BULLNOSE RPM TREATMENT, SEE LEGEND NO. 1)
- (e) RPM'S SHALL BE CLASS "B" 911 OR EQUIVALENT, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
- (f) FOOT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
- (g) FOR BIKE LANE DETAILS SEE FOOT INDEX NO. 17346, SHEET FOR 11.

- (h) MARKINGS IN AND ADJACENT TO BIKE LANES SHALL BE THERMOPLASTIC WITH A MIXTURE OF 50% GLASS SPHERES AND 50% SHARP SILICA SAND APPLIED AT A RATE OF 0.2 LBS. PER SQUARE FOOT.
- (i) EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING OR SANDBLASTING ONLY.
- (j) ALL STOP BARS TO BE 4" BEHIND CROSSWALK OR SIDEWALK.
- (k) PAVEMENT MARKING REFLECTIVITY SHALL BE 250 MILLICANDELLAS FOR WHITE AND 175 MILLICANDELLAS FOR YELLOW.

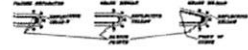
NOTES

LEGEND

1 YELLOW/YELLOW RPM DETAILS



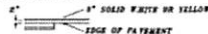
2 MERIDIAN NOSE PAINT DETAILS



3 PAINTED MERIDIAN DETAILS



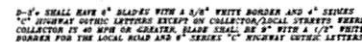
4 EDGE LINE DETAILS



5 CHEVRON DETAILS



6 STREET NAME PLATE DETAILS



7 TYPE IV SEPARATOR DETAILS



8 6"-10" SKIP DETAILS

- 6" - 10" SKIP 1" WHITE SHALL BE USED FOR THE FOLLOWING CONDITIONS:
- DIAGONAL CURVE SECTIONS
- CHANGES IN HORIZONTAL ALIGNMENT
- TRANSITIONS GREATER THAN 10'

9 2"-4" SKIP DETAILS

- 2" - 4" SKIP 1" WHITE SHALL BE USED FOR THE FOLLOWING CONDITIONS:
- PARALLEL CURVE LINES BETWEEN DUAL LEFT TURN MOVEMENTS (40' RADII) PREFERRED OR AS NOTED ON PLANS
- OTHER RAY TRANSITIONS

| DATE      | BY  | CHK | DESIGNED BY | SCALE     | DATE      | PLANNING & DESIGN ENGINEER | TRAFFIC ENGINEERING DIVISION | DRAWING NO.  | REV DATE | SHEET NO. | PAYMENT MARKINGS AND SIGNS DETAIL SHEET |
|-----------|-----|-----|-------------|-----------|-----------|----------------------------|------------------------------|--------------|----------|-----------|---|
| 9/22/2016 | HTS | HTS | HTS         | 1/8" = 1' | 9/22/2016 | HTS                        | HTS                          | PVMTWARK.DWG | 7/8/08   | 1 OF 1    |   |

Drawn: PP/41553  
Date: 9/22/2016  
Title: HTS

Scale: S1



General Notes

Permit Set  
Must be on jobsite at all times  
during construction

Notice: Inspection Required  
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work in the public ROW, contact the  
Broward County Highway  
Construction and Engineering  
Division at 954-577-4500 for  
inspection.

Note: Approval of this plan does  
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Division prior to commencing  
construction in the public right of  
way.

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with Broward County Highway  
Construction and Engineering  
Division Specifications.

## BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

☐ PLAN CONSISTENT  
WITH PLAT REQUIREMENTS  
☐ PUBLIC RIGHT OF WAY APPROVAL  
FOR PAVING, GRADING AND DRAINAGE

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
DOES NOT INCLUDE APPROVAL  
OF PAVEMENT MARKING & SIGNS

| No. | Revision/Notes | Date |
|-----|----------------|------|
|     |                |      |

## Your Name and Address

Engineer of Record:  
John Mark Parsons, P.E.  
License # 73981

P.O. Box 3866  
Tallahassee, FL 32301

## Project Name and Address

NE 1st St. Pedestrian Crosswalks  
City of Fort Lauderdale  
1501 N Andrews Ave  
Fort Lauderdale, FL 33301

Project: PP141553

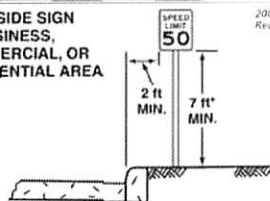
Date: 6/22/2016

Title: HTS

S2

## GUIDE TO USE THIS STANDARD:

1. Calculate the Total Panel Area and the centroid "C" for an individual sign or a sign cluster.
2. Determine the height "H" from the groundline for the individual sign or the cluster.
3. Consult the Post Size Table and find the intersection point.
4. Design the post and the foundation according to the required Post Size and Assembly Details.

2004 MUTCD  
RequirementsC - ROADSIDE SIGN  
IN BUSINESS,  
COMMERCIAL, OR  
RESIDENTIAL AREA

\*Where parking or pedestrian movements are likely to occur



AHEAD

Centroid of  
Sign ClusterH Sign  
Assembly  
Height7' Min  
Ground  
Clearance6' Min  
Ground  
Clearance

GROUND LEVEL

## Post Size Table

H Sign Assembly  
Height (ft)  
(measure from ground)

8 6.5 9 9.5 10

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

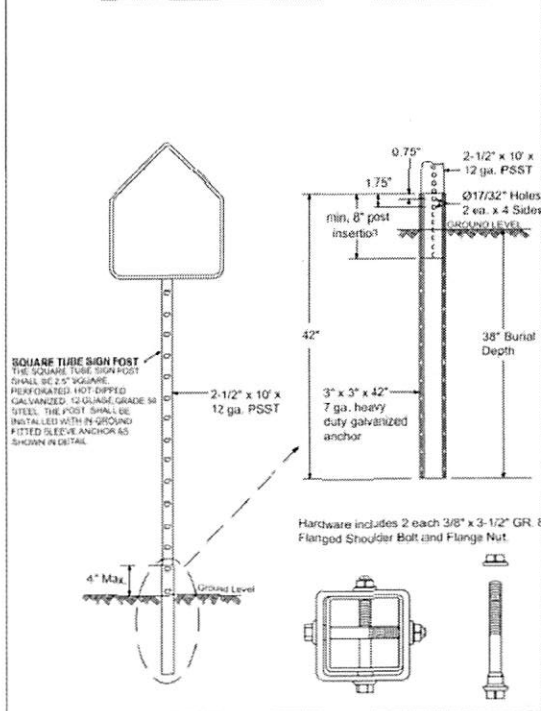
19

20+

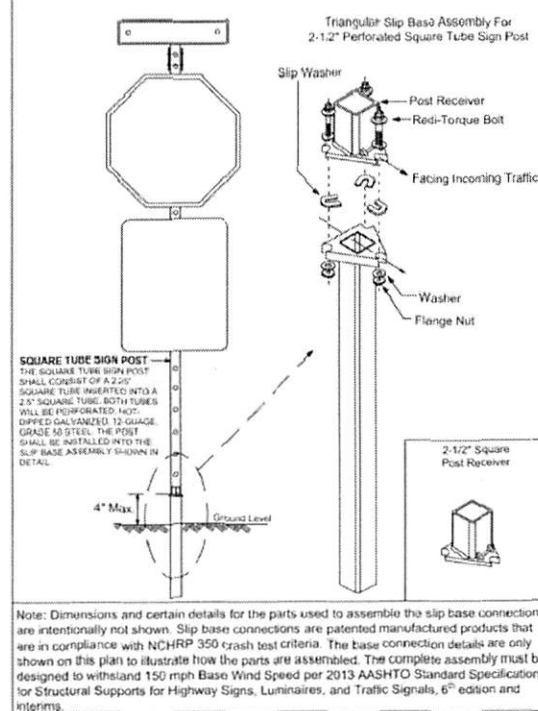
Total Panel Area (sf)

Sign Post with 2" x 7 ga  
Square AnchorSign Post with Triangular  
Slip Base AssemblyTwo Post  
Installation Required  
with Triangular Slip Base

## Sign Post with 3" x 7 ga. Square Anchor



## Sign Post with Triangular Slip Base



Note: Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6<sup>th</sup> edition and Interim.

## REVISIONS

| DATE       | DESCRIPTION |
|------------|-------------|
| 01-05-2016 | N/A         |

**BROWARD**  
COUNTY  
FLORIDA

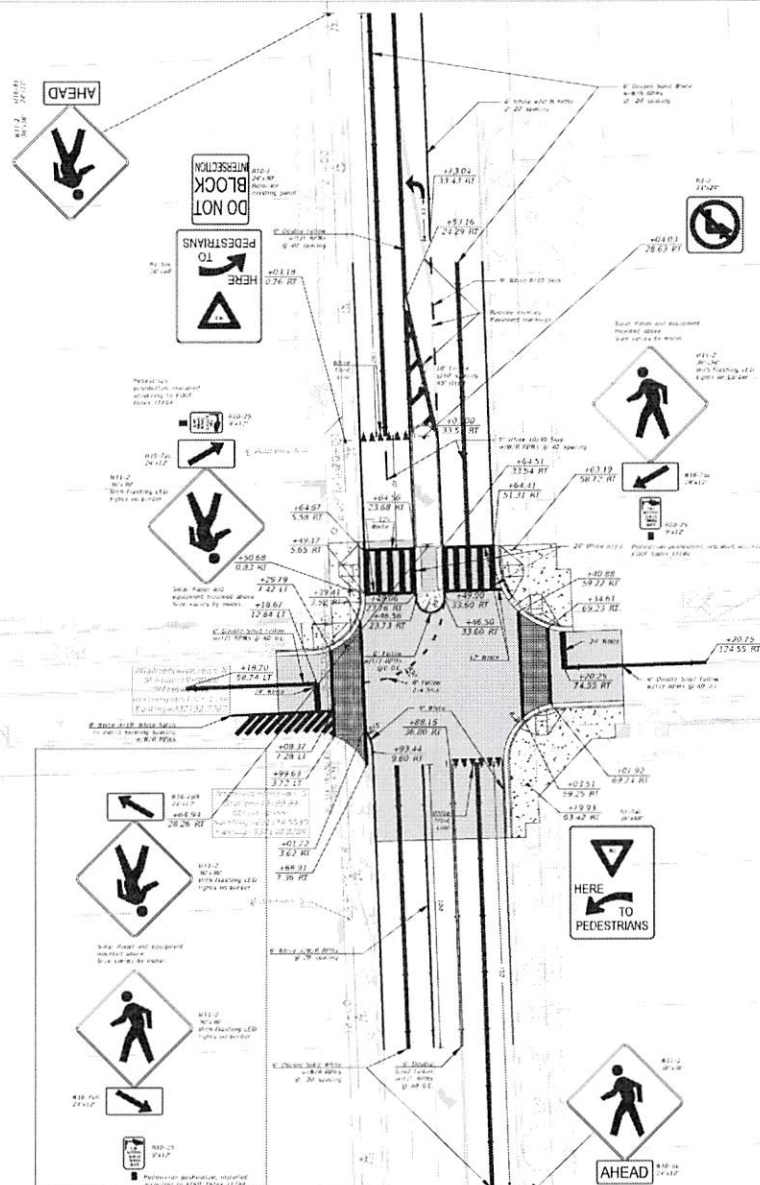
PUBLIC WORKS DEPARTMENT  
TRAFFIC ENGINEERING DIVISION

DESIGN BY: YVES DANJOU, P.E.  
DRAWN BY: STEPHON RAMOUTAR  
CHECKED BY: ANDREW SEBO, P.E., PTOE

SCALE: NTS

GROUND SIGN ASSEMBLY  
DETAILSSHEET  
NO.

1 OF 1



Permit Set  
Must be on jobsite at all times during construction

Notice: Inspection Required  
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R/W, contact the Broward County Highway Construction  
and Engineering Division at 954-577-4600 for  
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BCHCED Ref #140918002

### General Notices

1. All proposed signs are to be furnished and installed, including posts and panels by contractor, in accordance with applicable Broward County Traffic Engineering Standards and the 2016 standards and specifications.
2. Flashing LED system to include wireless communicator so all signs at the crossing will activate simultaneously.
3. Flashing will be set to provide a crossing time of 14 seconds.
4. All conflicting striping to be removed by materializing or restriping.
5. Pavement Messages and arrows are white thermoplastic.
6. Median sign shall include reflective yellow post and will be each end according to Broward County Traffic Engineering Standards.

BROWARD COUNTY HIGHWAY CONSTRUCTION  
AND ENGINEERING DIVISION

- ☐ PLAN CONSISTENT WITH PLAT REQUIREMENTS
- ☐ PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY \_\_\_\_\_ DATE: \_\_\_\_\_  
DOES NOT INCLUDE APPROVAL  
OF PAVEMENT MARKING & SIGNS

|     |               |    |
|-----|---------------|----|
| No. | Revisión/Anno | De |
|-----|---------------|----|

Engineer of Record:  
John Mark Palacios, P.E.  
license # 73981

PO Box 3866  
Lima, HI 96766

## Project Name and Address

NE 1st St. Pedestrian Crosswalks  
City of Fort Lauderdale  
100 N Andrews Ave  
Fort Lauderdale, FL 33301

Project:   
 DD144583

Date: 6/22/2016

Scale 1"=20'

S3

N Andrews Ave. Intersection





BC Permit #140918002

Landscape Architectural Design  
for:

# CITY OF FORT LAUDERDALE PEDESTRIAN REFUGE CROSSWALKS

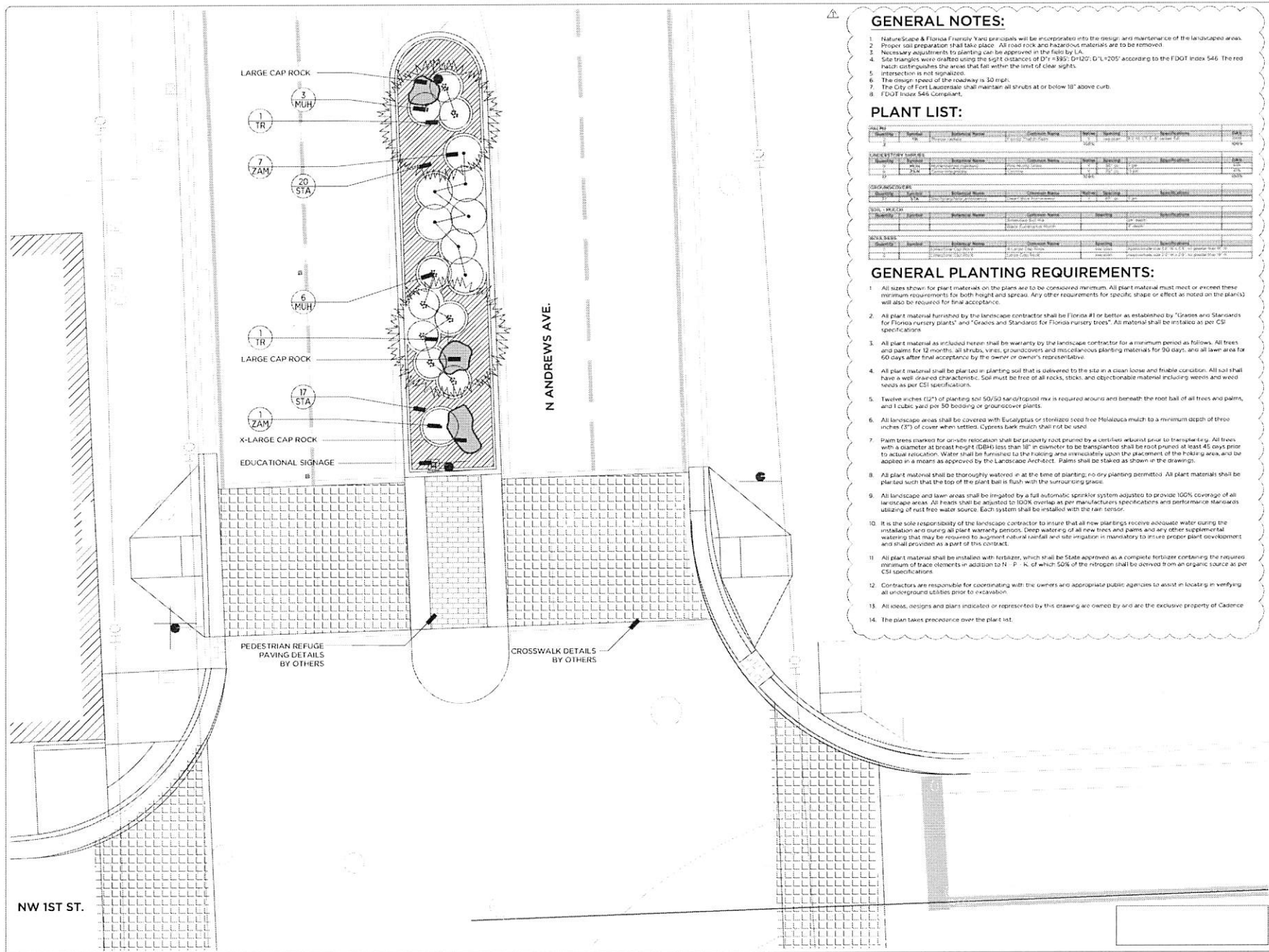
N ANDREWS AVE. & NW 1S ST. INTERESECTION  
N 3RD AVE. & NE 1ST ST. INTERSECTION  
FORT LAUDERDALE, FLORIDA 33301

**cādence**  
planning + designing living environments  
[www.cadence-living.com](http://www.cadence-living.com)  
Fort Lauderdale, FL | 954.749.4522  
LANDSCAPE ARCHITECTURE | PLANNING | URBAN DESIGN

## LANDSCAPE & IRRIGATION DRAWINGS

DATE: SEPTEMBER 17, 2015 Cadence Project No. 15.009

| DRAWING LIST |  |
|--------------|--|
| SHEETS       | DRAWINGS   |
| L4-1.00      | PLANTING PLAN - N ANDREWS AVE. & NW 1ST ST.          |
| L4-1.01      | PLANTING PLAN - N 3RD AVE. & NE 1ST ST.              |
| L4-2.00      | SIGHT TRIANGLE OVERLAY - N ANDREWS AVE. & NW 1ST ST. |
| L4-2.01      | SIGHT TRIANGLE OVERLAY - N 3RD AVE. & NE 1ST ST.     |
| L4-3.00      | PLANTING DETAILS                                     |
| L6-1.00      | IRRIGATION PLAN - N ANDREWS AVE. & NW 1ST ST.        |
| L6-1.01      | IRRIGATION PLAN - N 3RD AVE. & NE 1ST ST.            |



BC PERMIT #: 140918002

**cadence**  
landscape architecture

www.cadence-cad.com  
1101 N. W. 1st St., Suite 200  
Fort Lauderdale, FL 33301  
(954) 561-1234

1101 N. W. 1st St., Suite 200  
Fort Lauderdale, FL 33301  
(954) 561-1234



**Project:**  
**City of Fort Lauderdale**  
**Pedestrian Refuge Crosswalks**  
Intersection of NW 1st St. & N Andrews Ave.  
Fort Lauderdale, Florida 33301

| NO. | REVISIONS & MILESTONES | DATE     |
|-----|------------------------|----------|
| 1   | DESCRIPTION            | 12.03.15 |
| 2   | Landscaping Comments   |          |

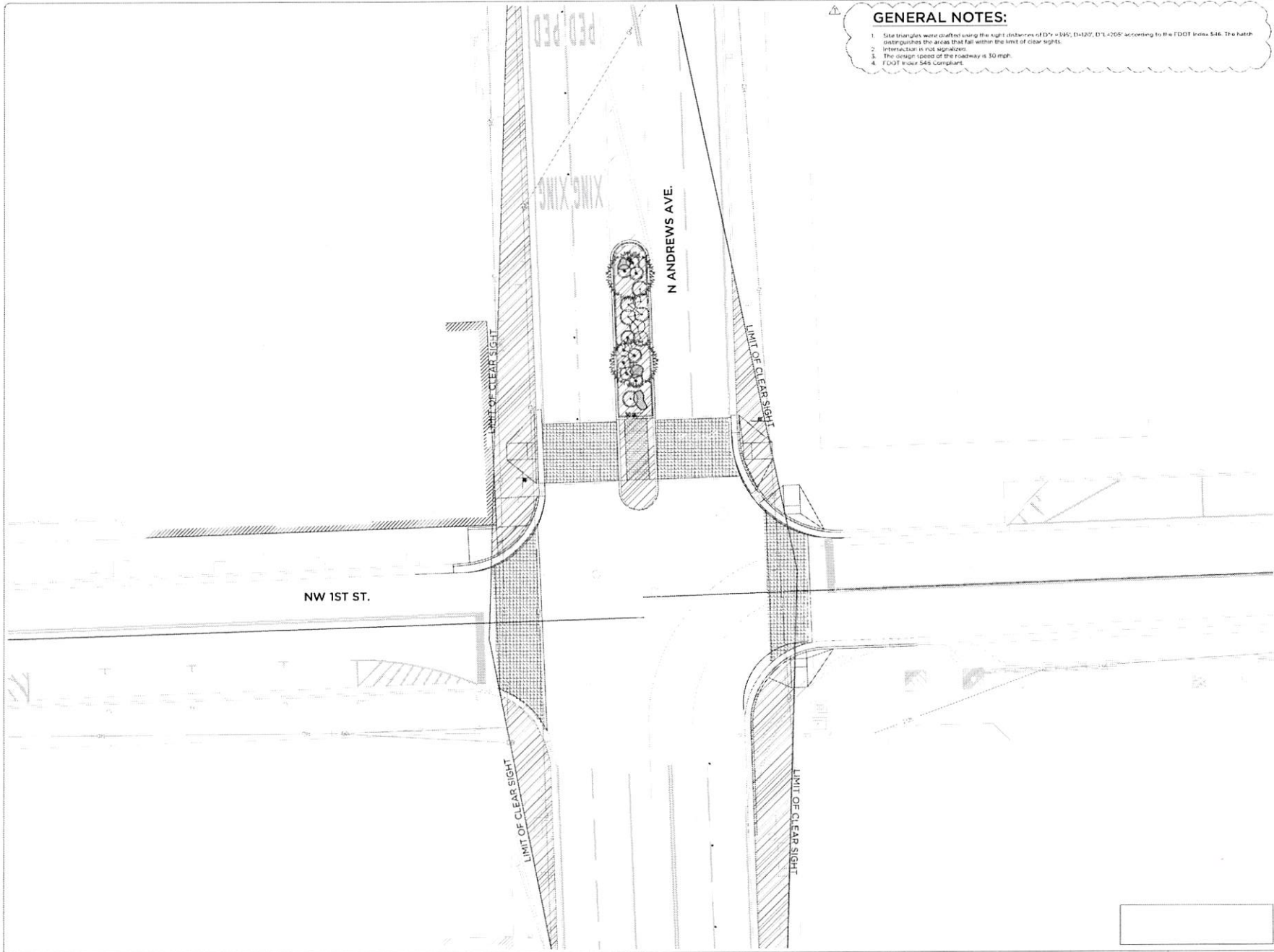
**PROJECT INFORMATION**  
PROJECT NO. 15-009  
DRAWN BY: Cadence  
CHECKED BY: Cadence  
DATE: SEPTEMBER 17, 2015  
SCALE: 1" = 1'-0"  
NORTH

**LANDSCAPE PLAN**  
**L4-1.00**









# GENERAL NOTES:

1. Site triangles were drafted using the sight distances of D<sub>1</sub> = 345', D<sub>2</sub> = 420', D<sub>3</sub> = 205' according to the FDOT Index 546. The hatch distinguishes the areas that fall within the limit of clear sight.
2. Intersection is not signalized.
3. The design speed of the roadway is 30 mph.
4. FDOT Index 546 Compliant.

BC PERMIT #: 140918002

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1000 N. W. 1st St.  
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(954) 561-1234

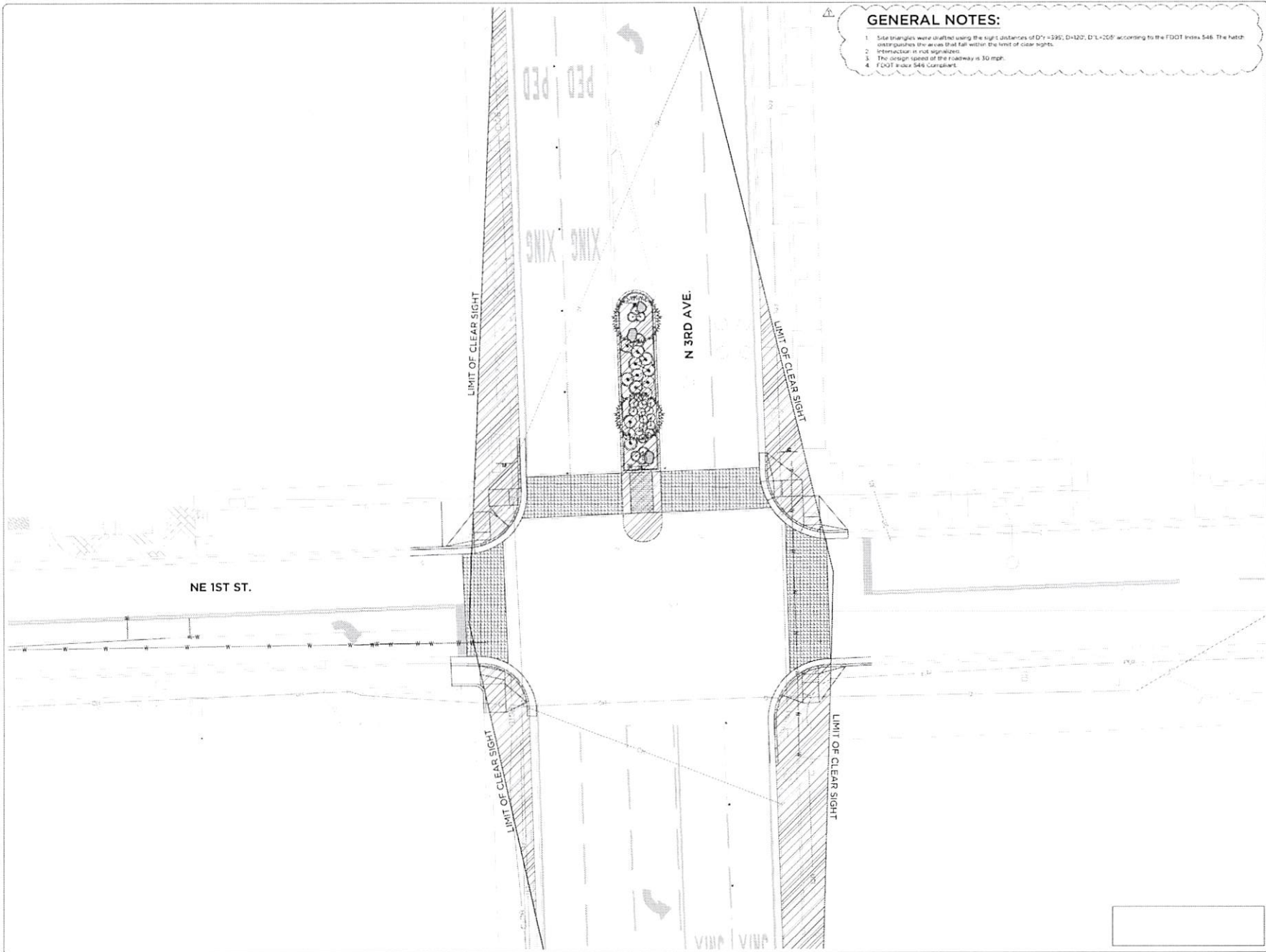


**Project:**  
**City of Fort Lauderdale**  
**Pedestrian Refuge Crosswalks**  
Intersection of NW 1st St. & N Andrews Ave.  
Fort Lauderdale, Florida 33301

| REVISIONS & MILESTONES |                      |          |
|------------------------|----------------------|----------|
| NO.                    | DESCRIPTION          | DATE     |
| 1                      | Landscaping Comments | 12.03.15 |
|                        |                      |          |
|                        |                      |          |
|                        |                      |          |
|                        |                      |          |
|                        |                      |          |

**PROJECT INFORMATION**  
PROJECT NO. 18-009  
DRAWN BY: cadence  
CHECK BY:  
DATE: SEPTEMBER 17, 2015  
SCALE: 1" = 10'-0"  
**NORTH**

**SIGHT TRIANGLES**  
**L4-2.00**



# GENERAL NOTES:

1. Site triangles were drafted using the sight distances of  $D=395$ ;  $D=420$ ;  $D=440$  according to the FDOT Index 546. The hatch distinguishes the areas that fall within the limit of clear sight.
2. Intersection is not signalized.
3. The design speed of the roadway is 30 mph.
4. FDOT Index 546 Compliant.

BC PERMIT #: 140918002

**cadence**

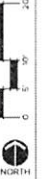
www.cadence-engineering.com  
 10000 10th Ave SE, Suite 100  
 Fort Lauderdale, FL 33301  
 (954) 571-1100

Project:

**City of Fort Lauderdale**  
**Pedestrian Refuge Crosswalks**  
 Intersection of NW 1st St & N Andrews Ave.  
 Fort Lauderdale, Florida 33301

| REVISIONS & MILESTONES |                    |          |
|------------------------|--------------------|----------|
| NO.                    | DESCRIPTION        | DATE     |
| 1                      | LANDSCAPE COMMENTS | 12.02.15 |
|                        |                    |          |
|                        |                    |          |
|                        |                    |          |
|                        |                    |          |
|                        |                    |          |

| PROJECT INFORMATION      |          |
|--------------------------|----------|
| PROJECT NO. 15-029       | DATE     |
| DRAWN BY: cadence        | 12.02.15 |
| CHECK BY:                |          |
| DATE: SEPTEMBER 17, 2015 |          |
| SCALE: 1" = 10'-0"       |          |



SIGHT TRIANGLES

**L4-2.01**

BC PERMIT #: 14098002

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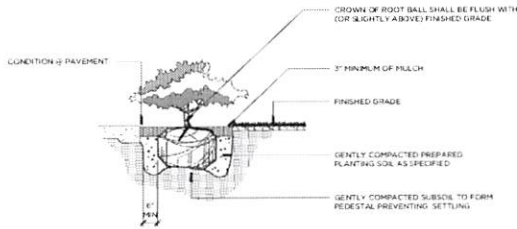
Project  
**City of Fort Lauderdale  
Pedestrian Refuge Crosswalks**  
Intersection of NWINE 1st St.  
Fort Lauderdale, Florida 33301

| REVISIONS & MILESTONES |                                      |
|------------------------|--------------------------------------|
| NO.                    | DESCRIPTION                          |
| 1                      | DATE: 12.03.15<br>Landscape Comments |

| PROJECT INFORMATION   |                |
|-----------------------|----------------|
| PROJECT NO. 18.029    | DATE: 12.03.15 |
| DRAWN BY: C. Gentry   | DATE: 12.03.15 |
| CHECKED BY: J. Gentry | DATE: 12.03.15 |
| SCALE: VARIES         | SCALE: VARIES  |

PLANTING DETAILS  
**L4-3.00**

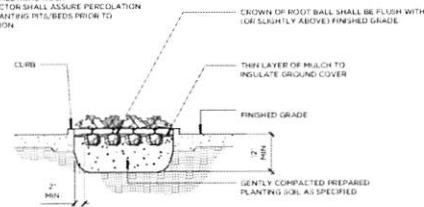
NOTES:  
1. REMOVE ALL ROAD ROCK.  
2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING RTS/BEDS PRIOR TO INSTALLATION.



**1 SHRUB PLANTING**  
SECTION

SCALE: 1" = 1'-0"

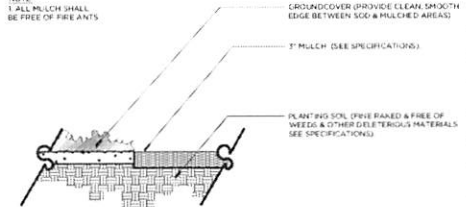
NOTES:  
1. REMOVE ALL ROAD ROCK.  
2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING RTS/BEDS PRIOR TO INSTALLATION.



**2 GROUND COVER**  
SECTION

SCALE: 1" = 1'-0"

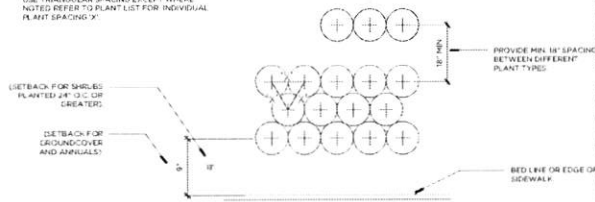
NOTE:  
1. ALL MULCH SHALL BE FREE OF FIRE ANTS.



**3 MULCH**  
SECTION

SCALE: 1" = 1'-0"

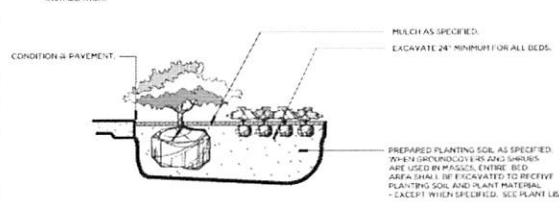
NOTE:  
ALL SHRUBS AND GROUND COVER PLANTS TO USE TRIANGULAR SPACING EXCEPT WHERE NOTED REFER TO PLANT LIST FOR INDIVIDUAL PLANT SPACING'S.



**4 TYPICAL PLANT LAYOUT**  
PLAN

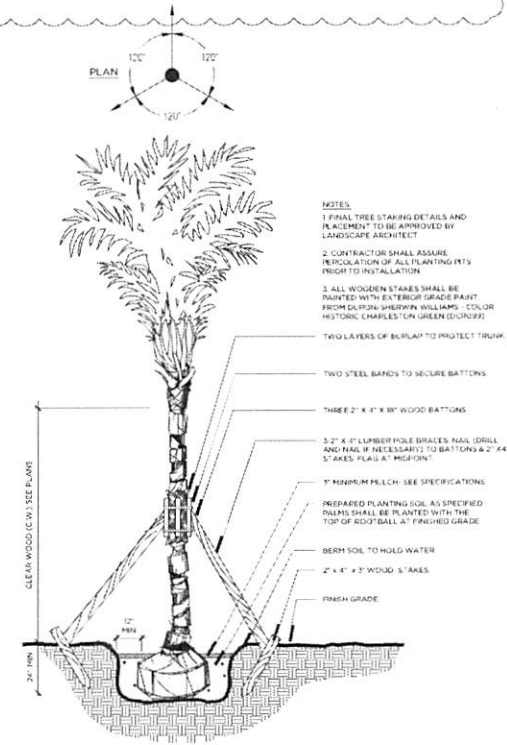
SCALE: 1" = 1'-0"

NOTES:  
1. REMOVE ALL ROAD ROCK.  
2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING RTS/BEDS PRIOR TO INSTALLATION.



**5 SHRUB & GROUND COVER**  
SECTION

SCALE: 1" = 1'-0"

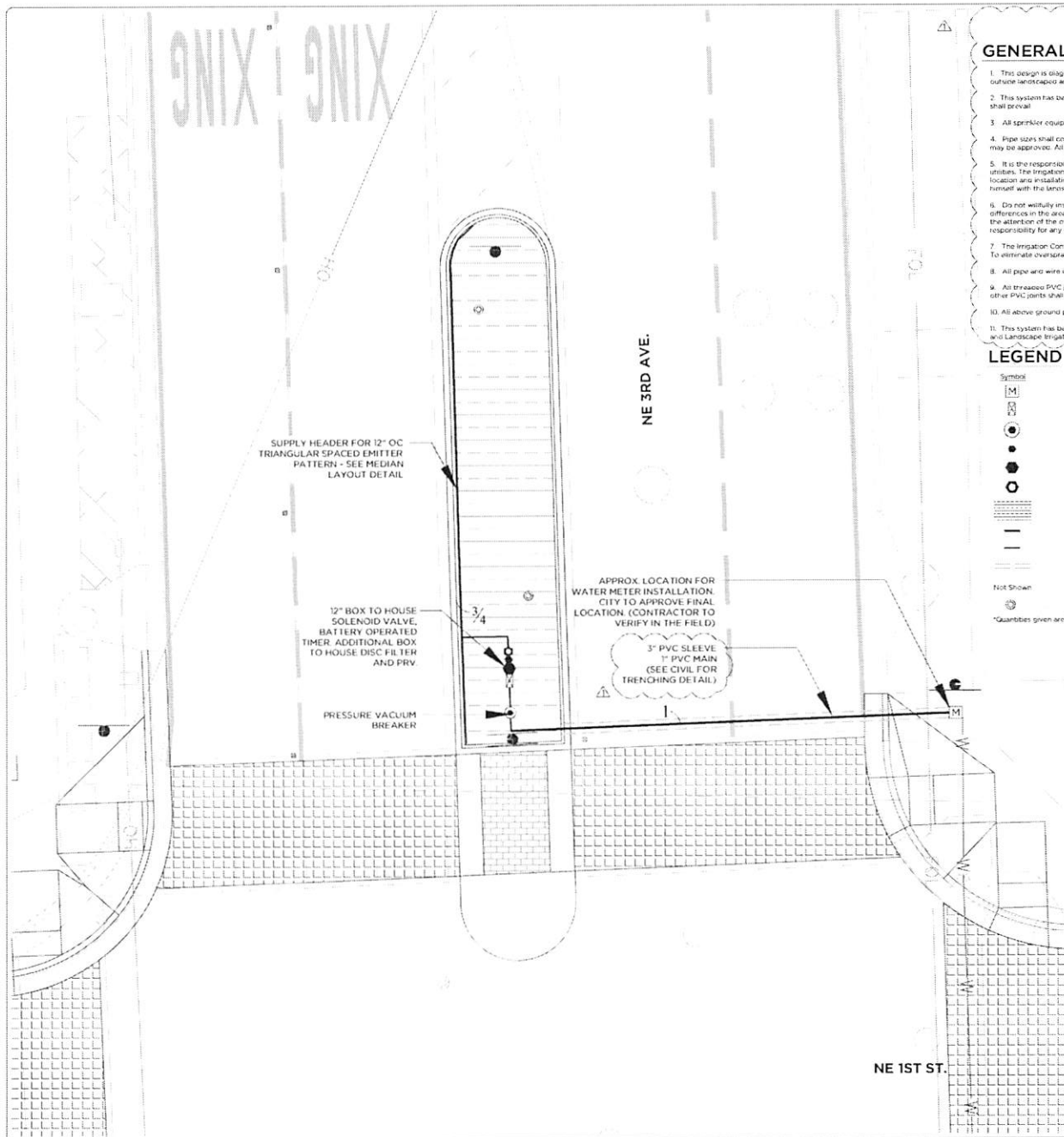


**6 SMALL PALM**  
SECTION

NOT TO SCALE







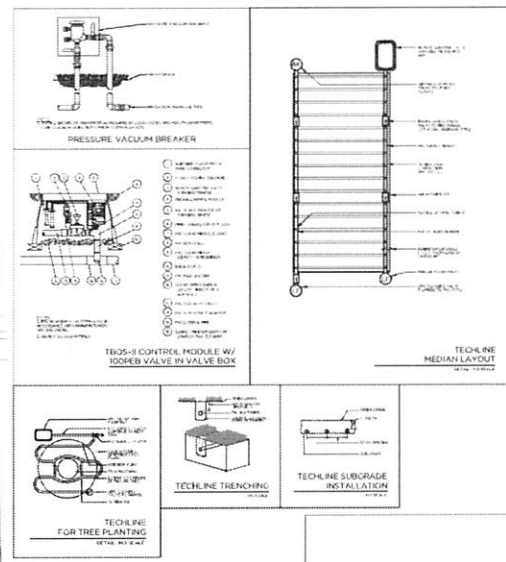
### GENERAL IRRIGATION NOTES:

1. This design is diagrammatic. All piping, valves, etc., shown within paved area is for design clarification only. No irrigation equipment may be installed outside landscaped areas unless otherwise directed.
2. This system has been designed to conform with the requirements of the applicable codes. Should any conflict exist, the requirements of the codes shall prevail.
3. All sprinkler equipment not otherwise detailed or specified shall be installed as per the manufacturer's recommendations and specifications.
4. Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of the larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said rejection.
5. It is the responsibility of the Irrigation Contractor to familiarize himself with all grade differences, location of walls, retaining walls, structures and utilities. The Irrigation Contractor shall repair or replace all items damaged by his work. He shall coordinate his work with other contractors for the location and installation of pipe sleeves and laterals through walls, under roadways and paving, etc. The Irrigation Contractor shall also familiarize himself with the landscape plan and coordinate the installation with the Landscape Contractor.
6. Do not willfully install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the owner's authorized representative. In the event this notification is not performed, the Irrigation Contractor shall assume full responsibility for any changes necessary.
7. The Irrigation Contractor shall flush and adjust all sprinkler heads and valves for optimum coverage with no overspray on to walks, streets, walls, etc. To eliminate overspray, low angle and variable arc nozzles may be substituted for standard spray nozzles.
8. All pipe and wire installed beneath paving shall be sleeved in Schedule 40 PVC pipe.
9. All threaded PVC joints shall be made using Schedule 80 PVC nipple stubs and solvent weld couplings. No threaded adapters will be allowed. All other PVC joints shall be of the same type as the specified pipe, i.e., 10' ring or solvent weld.
10. All above ground piping shall be schedule 40 PVC, unless otherwise specified.

### LEGEND

| Symbol | Manufacturer      | Part No.  | Description  |
|--------|-------------------|-----------|--|
|        | Rain Bird         | TBOS2CH1  | 1" TBOS-II Battery Operated Control Module - 1 Station w/ Fertilizer Transmitter |
|        | Wetters           | 720A      | Pressure vacuum breaker  |
|        | Hunter            | Mini-Clik | Rain switch - mount as directed according to installer instructions              |
|        | Rain Bird         | 100PEB    | 100PEB - 1" inlet schematic inline plastic industrial irrigation valve           |
|        | NETAFIM           | DF075-140 | 3/4" manual disc filter, 140 mesh  |
|        | NETAFIM           | TLRW6-12  | 12" oc triangular spaced grid emitter pattern - see details below                |
|        | Schedule 40       |           | 1" PVC main  |
|        | SDR26 / Class 160 |           | PVC pipe   |
|        | Schedule 40       |           | 3" PVC sleeves   |
|        | 14AWG Type UF     |           | Direct burial irrigation wire  |
|        |                   |           | Location of tree - see detail for tree planting                                  |

\*Quantities given are for contractor convenience only. The accuracy is not guaranteed. All quantities shall be verified.



BC PERMIT #: 140918002

**cadence**  
LANDSCAPE ARCHITECTS

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10000 1st Ave. Suite 100  
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(954) 571-1111

Project  
**City of Fort Lauderdale  
Pedestrian Refuge Crosswalks**  
Intersection of NE 1st St. & N 3rd Ave.  
Fort Lauderdale, Florida 33301

| NO. | REVISIONS & MILESTONES          | DATE     |
|-----|---------------------------------|----------|
| 1   | DESCRIPTION: Landscape Comments | 12.23.15 |

PROJECT INFORMATION  
APP'D BY: J. S. G. 12/23/15  
DRAWN BY: J. S. G.  
DATE: SEPTEMBER 17, 2015  
SCALE: 1" = 1'-0"

IRRIGATION PLAN

**L6-1.01**