

CONSULTING SERVICE AUTHORIZATION

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

SERVICE AUTHORIZATION NO. 12-19 FOR ENGINEERING CONSULTING SERVICES

CITY P.O. NO. \_\_\_\_\_ CITY EXPENSE CODE \_\_\_\_\_

CITY PROJECT NOS. 14-008 WGI PROJECT NO. 1004.XX

This Service Authorization, when executed, shall be incorporated in and shall become an integral part of, the "Agreement for General Consulting Services" contract executed January 24, 2012.

Title: Agreement for Construction Phase Services for Atlantic Avenue Crosswalk Improvements (Venetian Drive and Gleason Street)

I. PROJECT DESCRIPTION

This Service Authorization is for construction administration services associated with City Project No. 14-008:

Pavement reconstruction, grading inspection services as well as coordination with the Florida Department of Transportation and Palm Beach County in accordance with construction drawings prepared by Kimley-Horn and Associates, dated 12/5/2016.

II. SCOPE OF SERVICES FOR ATLANTIC AVENUE CROSSWALK IMPROVEMENTS

Phase I - Study and Report Phase

Not Applicable.

Phase II - Preliminary Design Phase

Not Applicable.

Phase III - Final Design Phase

Not Applicable.

Phase IV - Bidding/Negotiation Phase

Not Applicable.

## Phase V - Construction Administration

WGI shall provide construction services in accordance with, Article III (Duties of Consultant) Section E, Phase V-(Construction Phase), Items 1-18 of the Agreement for Engineering Services with the City, dated January 24, 2012.

Specifically, WGI shall provide the following services:

### 1. Pre-Construction Services and Meeting

ENGINEER will conduct the project preconstruction meeting held with the selected Contractor. The pre-construction meeting agenda may include, but is not limited to:

- Organization and team member roles;
- Project communications;
- Procedures for shop drawing submittals and submittals during construction;
- Discussion of project safety;
- Pollution prevention;
- Phasing and Sequencing Plan;
- Work Schedules;
- Communications/coordination protocols with the CITY and stakeholders;
- Maintenance of Traffic (MOT);
- Scheduling progress meetings;
- Shop drawings / submittals review and approval process;
- Change order process management;
- Progress payments and progress reporting;
- Inspections and testing;
- Utilities locating requirements;
- Record drawings;
- Warranties;
- Substantial Completion;
- Project Closeout; and
- Additional items proposed by attendees.

### 2. Review of Required Documents and Submittal from Contractor

ENGINEER will review the required documents submitted by the contractor. The document review will include miscellaneous submittals, such as; schedule of values, cost loaded CPM schedule and sequencing, Quality Assurance Plan, MOT Plan, Safety Plan, Pollution Prevention Plan, Phasing Plan, Contractor's list of sub-contractors and suppliers, as well as compliance submittals, such as; shop drawings, inspections and testing reports.

Review and approval of the contractor's submittals is not an assumption of liability. WGI is not responsible for contractor's construction means and methods, on-site safety, sequencing and phasing, quality assurance, maintenance of traffic or pollution prevention. The purpose of the review is to confirm that the contractor's plans are in accordance with contract documents.

Services for the review of submittals as part of this task include the initial and the review of any required re-submittals.

3. Review of Contractor's Update to the Construction Schedule and Sequencing

ENGINEER will review the contractor's monthly updates to the proposed project schedule. ENGINEER will review and validate to ensure that construction of the project is on schedule or advise the CITY Project Manager of any variance from the originally approved project schedule.

Review of contractor submittals to address progress updates as part of financing requirements of the project during construction and at project close out, if required.

4. Review of Contractors Applications for Payment

ENGINEER will perform review and verify the completed pay requests submitted monthly by the contractor based on observed and documented work completed and materials stored on-site during the pay period as well as supporting documentation submitted by the contractor as an attachment to the pay request.

5. Progress Meetings

ENGINEER will conduct, prepare agendas and minutes for monthly construction progress meetings. The progress meeting agenda will include, but is not limited to, the following items; Review of the previous minutes, project safety, CITY and resident issues, permitting, construction schedule, submittals, RFIs, quality control issues, construction sequencing & phasing, MOT, change orders and payment applications.

6. Change Order Review and Assistance

ENGINEER will review all submitted requests for work change directives and change orders and assist the CITY Project Manager with the facilitation of the directive and/or change order. Services provided in this task include minor modifications to the design drawings and any plan reproduction required.



7. Construction Observations

ENGINEER will provide PART-time construction observation in our role as the Resident Project Representative (RPR) on-site during the Construction Phase to fulfill the responsibilities of the project Engineer of Record (EOR). Tasks to be performed by the RPR will include; attendance at meetings or conferences and addressing Contractor's Request For Additional Information (RAI's), serving as the EOR's liaison with the contractor, maintaining orderly files for communication, progress photos, submittals and reports, maintaining a daily log book of activities and review of completion certificates.

Labor hours included under this task for the RPR are based on an average twenty (20) hour work week and a construction duration of three (3) months. Attendance of the EOR will be required at critical milestones during construction and is included in this task.

8. Substantial Completion

The EOR and RPR will perform a joint inspection, with the CITY Project Manager, of the work completed to determine if the requirements of the substantial completion have been met. ENGINEER will generate the Substantial Completion Inspection Punch List that includes items to be addressed prior to Final Inspection.

9. Final Inspection and Acceptance

Services included under this task are the Final Inspection in coordination with the CITY Project Manager for review of the completed project and verification that all items listed on the Substantial Completion Inspection Punch List have been satisfied. Upon review, ENGINEER will provide written opinion to the CITY and the financing authority that the Contractor has completed all work required as required under the contract documents. ENGINEER shall also submit the certification documentation to FDOT and PBC.

10. Record Drawings

ENGINEER will review the Record Drawings prepared by the contractor's professional surveyor, registered in the State of Florida, upon the completion of construction. The record drawings will include post-construction project information and identify any significant deviation from the approved project design.

11. Project Close Out

In conformance with contract documents, ENGINEER will review, and deliver to the CITY Project Manager, the required contract documentation to be submitted by the Contractor as listed under the construction agreement. In addition, ENGINEER will provide one complete set of final shop drawing submittals and approved signed and sealed as-built drawings.

12. Final Payment and Release of Retainage

In Conformance with the contract documents, the RPR and the EOR will verify that:

- The contractor's accounts are in order; considering items such as original contract sum, additions and deductions (per Change Order Summary) and any changes or adjustments required of the Schedule of Values has been accepted.
- Retainage amount is correct.
- Certificate of Final Completion has been issued.
- Final acceptance has been obtained from the Palm Beach County and the Florida Department of Transportation, if required.
- The Contractor has provided a Final Release in accordance with the contract.
- All required certificates of inspection and occupancy have been obtained from public authorities, utility companies, and other public agencies.
- Completed Record Drawings have been received and accepted by the CITY.
- Notification of consent to surety, if any, to make Final Payment to Contractor.
- Amount of Liquidated Damages withheld (if applicable).
- Contractor's Warranty.

Other - Permitting

Not Applicable

Other - Surveying

Not Applicable

Other - Street Lighting

Not Applicable

Other - Subsurface Utility Engineering (SUE) Location Services

Not Applicable

Other - Geotechnical Services:

Not Applicable

III. COMPENSATION

The compensation for services provided shall be billed on an hourly basis, plus reimbursable expenses for each phase of work, in accordance with Article VII, Method II, up to the following not-to-exceed cost for each phase.

Engineering Services - (City Project Nos. 14-008)

Phase I - Study and Report Phase (Not Applicable)	---
Phase II - Preliminary Design Phase (Not Applicable)	---
Phase III - Final Design Phase (Not Applicable)	---
Phase IV - Bidding/Negotiating Phase (Not Applicable)	---
Phase V - Construction Phase	\$46,668.00
Other Services - Permitting (Not Applicable)	---
Other Services - Surveying (Not Applicable)	---
Other Services - (Not Applicable)	---
Other Services - (Not Applicable)	---
Other Services - (Not Applicable)	---
Reimbursables -	\$ 2,250.00

Total Compensation - \$48,918.00



IV. COMPLETION DATE

Construction Phase Services will commence 35 days prior to be start of construction. Construction Phase Services will be completed 30 days after to substantial completion.

This service authorization is approved contingent upon the City's acceptance of and satisfaction with the completion of the services rendered in the previous phase or as encompassed by the previous service authorization. If the City in its sole discretion is unsatisfied with the services provided in the previous phase or service authorization, the City may terminate the contract without incurring any further liability. WGI shall commence work on any service authorization approved by the City to be included as part of the contract without a further notice to proceed.

Approved by:

CITY OF DELRAY BEACH:

Date \_\_\_\_\_

By: \_\_\_\_\_

Cary D. Glickstein  
Mayor

CONSULTANT:

Date Feb 17 2017

By: Michael L. Davis



[Signature]  
Witness (Signature)

BRETT OLDFORD  
Witness (Printed)

Attest: \_\_\_\_\_

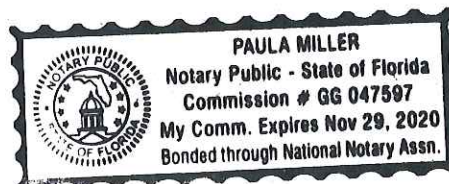
Approved as to Legal Sufficiency

\_\_\_\_\_  
R. Max Lohman City Attorney

BEFORE ME, the foregoing instrument, this 17 day of February, 2017, was acknowledged by Michael L. Davis on behalf of the Corporation Wantman Pump Inc., and said person executed the same free and voluntarily for the purpose therein expressed.

Witness my hand and seal in the County and State aforesaid this 17 day of February, 2017.

\_\_\_\_\_  
Notary Public  
State of Florida  
My Commission Expires:



		<b>City of Delray Beach</b>			<b>City of Delray Beach Project Nos. 14-008</b>		
		<b>Atlantic Ave Crosswalk Improvements</b>			<b>This list was completed based on the current approved WGI Fee Schedule</b>		
		Prepared by: Brett Oldford, PE					
		Date: February 14, 2017					
				\$ 204.81	\$ 172.60	\$ 127.86	\$ 106.44
PHASE	TASK	TASK DESCRIPTION	Principal Engineer	Senior Project Manager, PE	Sr. Project Engineer	Project Engineer	TOTAL
1		<b>CONSTRUCTION PHASE</b>					
	1	Pre-Construction Services and Meeting	2	4		6	\$ 1,739
	2	Review of Contractor Submittals		2		8	\$ 1,197
	3	Review of Contractors Schedule Updates		3			\$ 518
	4	Review of Payment Apps		3		6	\$ 1,156
	5	Progress Meetings		6			\$ 1,036
	6	Review of Change Orders		3			\$ 518
*	7	Construction Observation		16		240	\$ 28,307
	8	Substantial Completion		4		8	\$ 1,542
	9	Final Inspection and Acceptance		4		8	\$ 1,542
	10	Record Drawings		2	40		\$ 5,460
	11	Permit Closeout and Certification		2		16	\$ 2,048
	12	Final Payment and Release of Retainage	2	2		8	\$ 1,606
		<b>CONSTRUCTION PHASE TOTAL</b>	\$ -	\$ 819	\$ 8,803	\$ 5,114	\$ 31,932
**	13	Reimbursables					2250
		<b>PROJECT TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ 48,918
*		Labor includes RPR services on a 20 hr a week basis for 3 months.					
**		Reimbursables include a vehicle for 2.5 days/week for 12 weeks					



COMPONENTS OF  
CONTRACT PLANS SET  
ROADWAY PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	EXISTING SURVEY - VENETIAN DRIVE
4	EXISTING SURVEY - GLEASON STREET
5	ROADWAY PLAN - VENETIAN DRIVE
6	ROADWAY PLAN - GLEASON STREET
7	CONCRETE JOINT LAYOUT PLAN - VENETIAN DRIVE
8	CONCRETE JOINT LAYOUT PLAN - GLEASON STREET
9	SPECIAL DETAILS
10-II	STORM WATER POLLUTION PREVENTION PLAN

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2006,  
AND STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2006,  
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-16

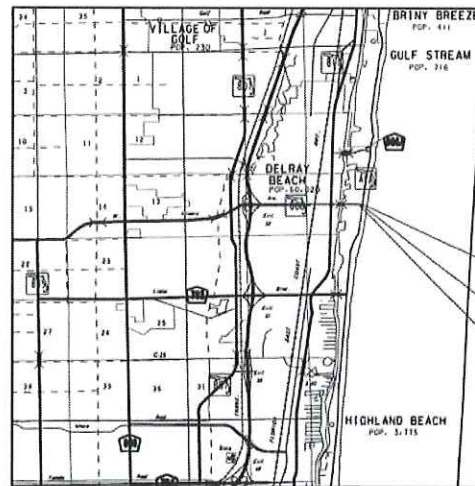
FOR DESIGN STANDARDS MODIFICATIONS CLICK ON  
'DESIGN STANDARDS' AT THE FOLLOWING WEB SITE:  
<http://www.dot.state.fl.us/standards/>

REVISIONS

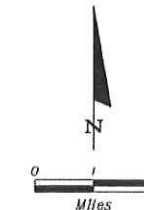
# EAST ATLANTIC AVENUE (SR 806) CROSSWALK IMPROVEMENTS CITY OF DELRAY BEACH PALM BEACH COUNTY FLORIDA

SR 806 (ATLANTIC AVENUE) AT VENETIAN DRIVE  
SR 806 (ATLANTIC AVENUE) AT GLEASON STREET  
SR 806 (ATLANTIC AVENUE) AT SR A1A (OCEAN BLVD)

Project No. 14-008



DESIGN SPEED 35 MPH  
POSTED SPEED 25 MPH



STA 395+32.00  
SR A1A  
MP 9.180  
STA 387+43.73  
GLEASON STREET  
MP 9.039  
STA 383+88.73  
VENETIAN DRIVE  
MP 8.964

PERMIT NO. 15C-496-0001-93030



Mayor  
Vice-Mayor  
Deputy Vice-Mayor  
Commissioner  
Commissioner  
City Manager  
Director of  
Environmental Services Dept.  
City Engineer  
CRA Chair  
CRA First Vice Chair  
CRA Treasurer  
CRA Board Member  
CRA Board Member  
CRA Board Member  
CRA Board Member

Cary Glickstein  
Shelly Petrolia  
Al Jacquet  
Jordana L. Jarjura  
Mitch Katz  
Donald Cooper  
Randal L. Krejcarek, P.E.  
Isaac Kovner, P.E.  
Reginald Cox  
Cathy Balestriere  
William Branning  
Daniel Rose  
Joseph Bernadel  
Herman Stevens  
Paul Zacks

ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:  
KIMLEY-HORN AND ASSOCIATES, INC.  
MARWAN WUFLEH, P.E.  
SUITE 100  
1690 SOUTH CONGRESS AVENUE  
DELRAY BEACH, FLORIDA 33445

PLANS PREPARED BY:  
KIMLEY-HORN AND ASSOCIATES, INC.  
CONSULTING ENGINEERS AND PLANNERS  
SUITE 100  
1690 SOUTH CONGRESS AVENUE  
DELRAY BEACH, FLORIDA 33445  
PHONE (561) 330-2345  
FAX (561) 330-2245  
CONTRACT NO. C-8882  
VENDOR NUMBER: F560885615-001  
CERTIFICATE OF AUTHORIZATION NO. 596

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

ROADWAY PLANS  
ENGINEER OF RECORD: MARWAN WUFLEH, P.E.

P.E. NO. 45329



**CITY of DELRAY BEACH**  
ENVIRONMENTAL SERVICES DEPARTMENT  
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444  
Phone (561) 243-7322 Fax (561) 243-7314 [www.mydelraybeach.com](http://www.mydelraybeach.com)

ENGINEER'S SEAL  MARWAN WUFLEH, P.E. 45329	KEY SHEET	PROJECT NO. 14-008
		SHEET NO. 1
		FILE NO.

### GENERAL NOTES

25. CONTRACTOR MAY BE REQUIRED TO PERFORM NIGHTTIME CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST.
26. CONTRACTOR SHALL COORDINATE WITH PALM BEACH COUNTY TRAFFIC REGARDING TEMPORARY SIGNALIZATION DURING CONSTRUCTION.

## FDOT GENERAL NOTES

1. PRIOR TO ANY CONSTRUCTION, COORDINATE WITH JOSE GUERRERO FROM THE FDOT AT 954-777-4079.
2. PERMITTEE WILL PROVIDE THE NECESSARY DENSITIES IN ACCORDANCE WITH SECTION 125-8 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (LATEST EDITION) PRIOR TO FINAL ACCEPTANCE BY THE F.D.O.T
3. SODDED AREAS WILL BE IN ACCORDANCE WITH STANDARD INDEX 105 AND SECTIONS 162, 981, 982, 983, 987 OF THE F.D.O.T.'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. ALL DISTURBED AREAS WILL BE SODDED WITHIN ONE (1) WEEK OF INSTALLATION OF SAID PERMITTED WORK.
4. OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS WITHIN THE FDOT R/W, AS DETERMINED BY THE F.D.O.T., SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULFILLED. EXCAVATED MATERIALS SHALL BE HAULED BY THE CONTRACTOR, AT THEIR COST & EXPENSE FROM THE SITE TO THE PALM BEACH COUNTY LANDFILL, 7900 W FOREST HILL BLVD OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DOT, INCLUDING ASPHALT MILLINGS.
5. PERMITTEE'S CONTRACTORS THAT ARE PERFORMING PERMITTED WORK ACTIVITIES SHALL PROVIDE THE F.D.O.T. (PERMIT OFFICE) PROOF OF A PROPER STATE CONTRACTOR'S LICENSE AND CERTIFICATE OF LIABILITY INSURANCE PRIOR TO ANY COMMENCEMENT OF PERMITTED WORK.



KIMLEY-HORN AND ASSOCIATES, INC.  
Certificate Of Authorization No. 696  
MARWAN MUFLEH, P.E.  
P.E. License No. 45329  
Suite 100  
1690 South Congress Avenue  
Delray Beach, Florida 33445

ENGINEER'S SEAL

MARWAN MURTEH, P.E.  
48320

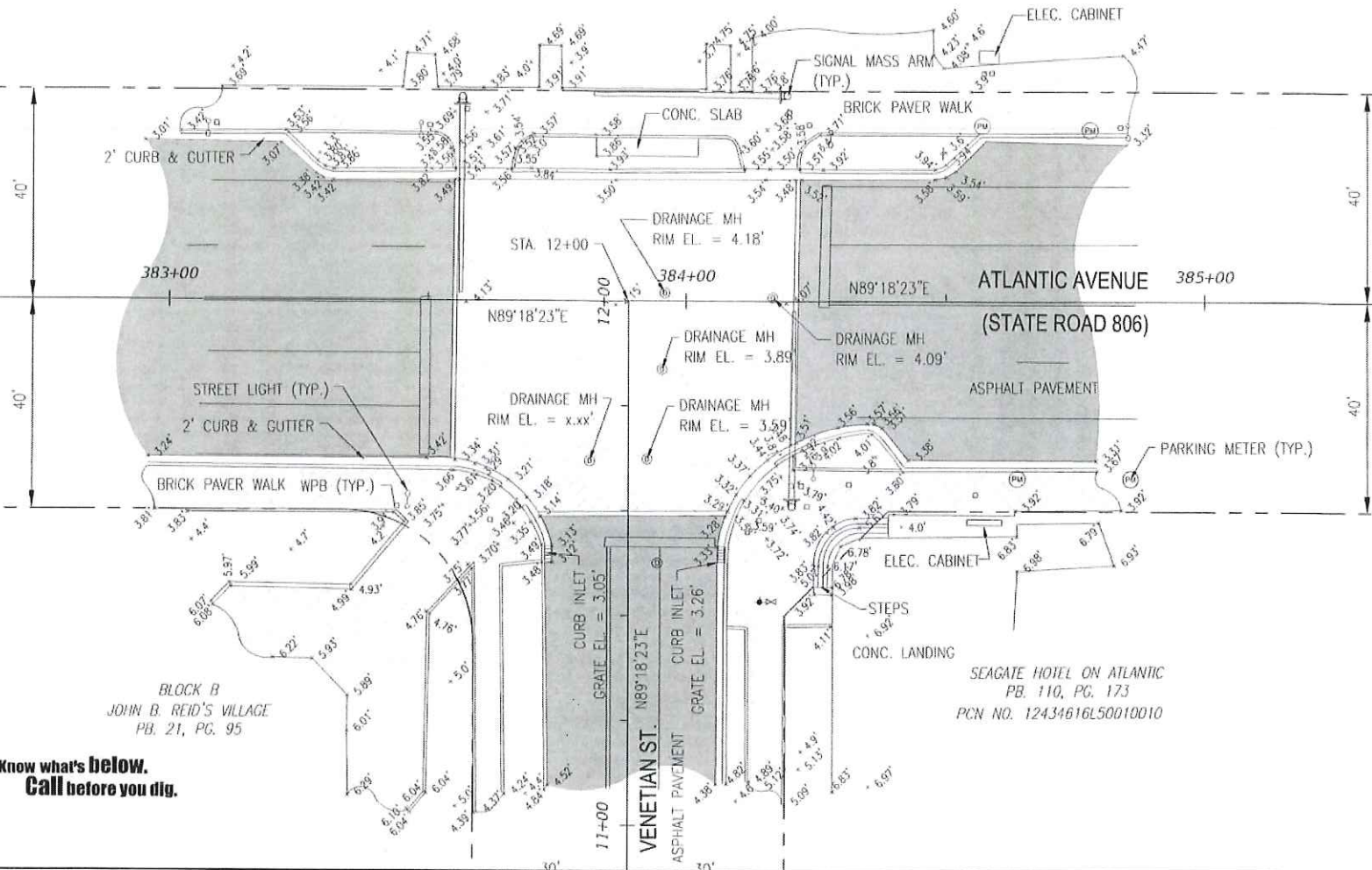
DESIGNED BY	C. NG			
DRAWN BY	S. BURKOVICH			
CHECKED BY	S. ORR			
DATE	DESIGNER	DATE	REVISION	

PROJECT NO.	14-008
SHEET NO.	2
DATE	



BANKOFF PLAT  
(PB 99, PG. 112)  
PCN NO. 12434616G40010000

SEABREEZE PARK  
(PB 4, PG. 31)



Know what's below.  
Call before you dig.

BLOCK B  
JOHN B. REID'S VILLAGE  
PB. 21, PG. 95

SEAGATE HOTEL ON ATLANTIC  
PB. 110, PG. 173  
PCN NO. 12434616L50010010



**CITY of DELRAY BEACH**  
ENVIRONMENTAL SERVICES DEPARTMENT  
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444  
Phone (561) 243-7322 Fax (561) 243-7314 www.mysdelraybeach.com

KIMLEY-HORN AND ASSOCIATES, INC.  
Certificate Of Authorization No. 696  
MARWAN MUFLEH, P.E.  
P.E. License No. 45329  
Suite 100  
1690 South Congress Avenue  
Delray Beach, Florida 33445

ENGINEER'S SEAL  
MARWAN MUFLEH, P.E.  
45329

DESIGNED BY	G. NG
DRAWN BY	S. BURKOVICH
CHECKED BY	J. SUMASLAKI
DATE	
REVISION	
DATE	
DESCRIPTION	
BY	

EXISTING SURVEY  
VENETIAN DRIVE

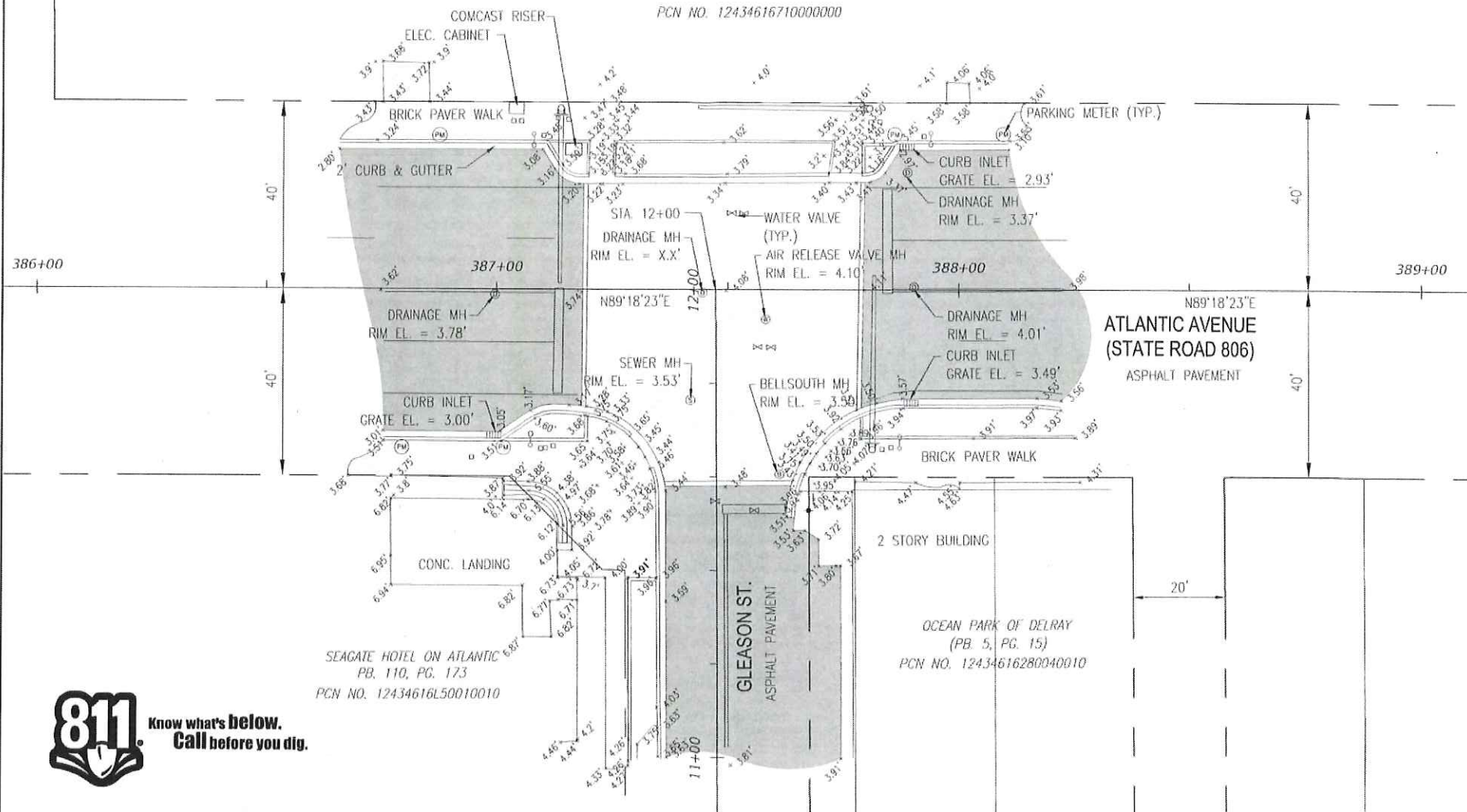
PROJECT NO.  
14-008  
SHEET NO.  
3  
FILE ID

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SEABREEZE PARK  
(PB 4, PG. 31)

PCN NO. 1243461671000000



Know what's below.  
Call before you dig.



**CITY of DELRAY BEACH**  
**ENVIRONMENTAL SERVICES DEPARTMENT**

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1690 South Congress Avenue  
Delray Beach, Florida 33445

**ENGINEER'S SEAL**

MARWAN MUFLEH, P.E.  
45329

DESIGNED BY	G. NG
DRAWN BY	S. BAKOVICH
CHECKED BY	S. ORS
DATE	
REVISION	
DATE	
DESCRIPTION	
BY	

EXISTING SURVEY  
GLEASON STREET

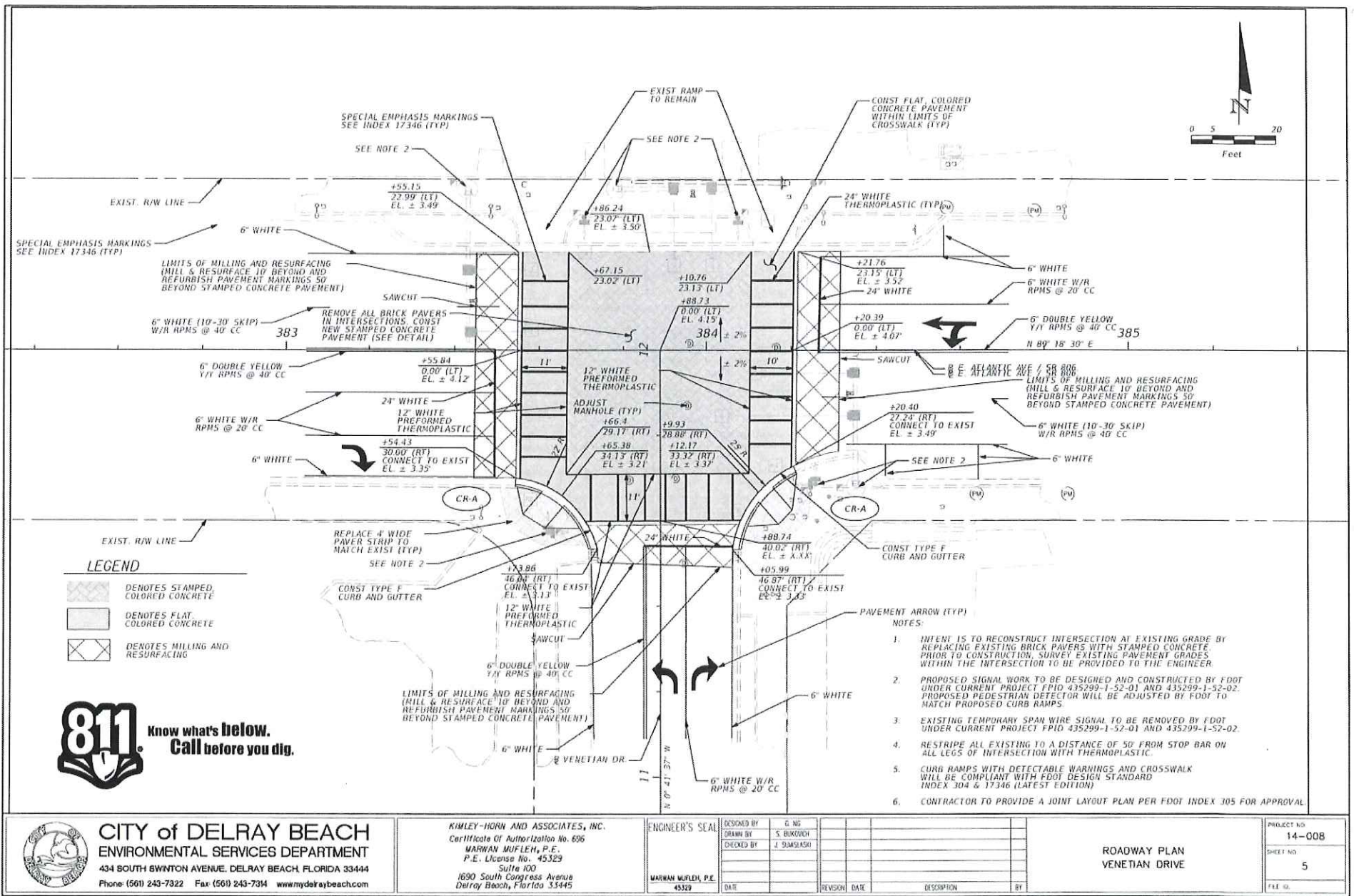
PROJECT NO.	14-008
SHEET NO.	4
FILE NO.	

Scan Date: 10/12/2016

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Seen 8/10/14

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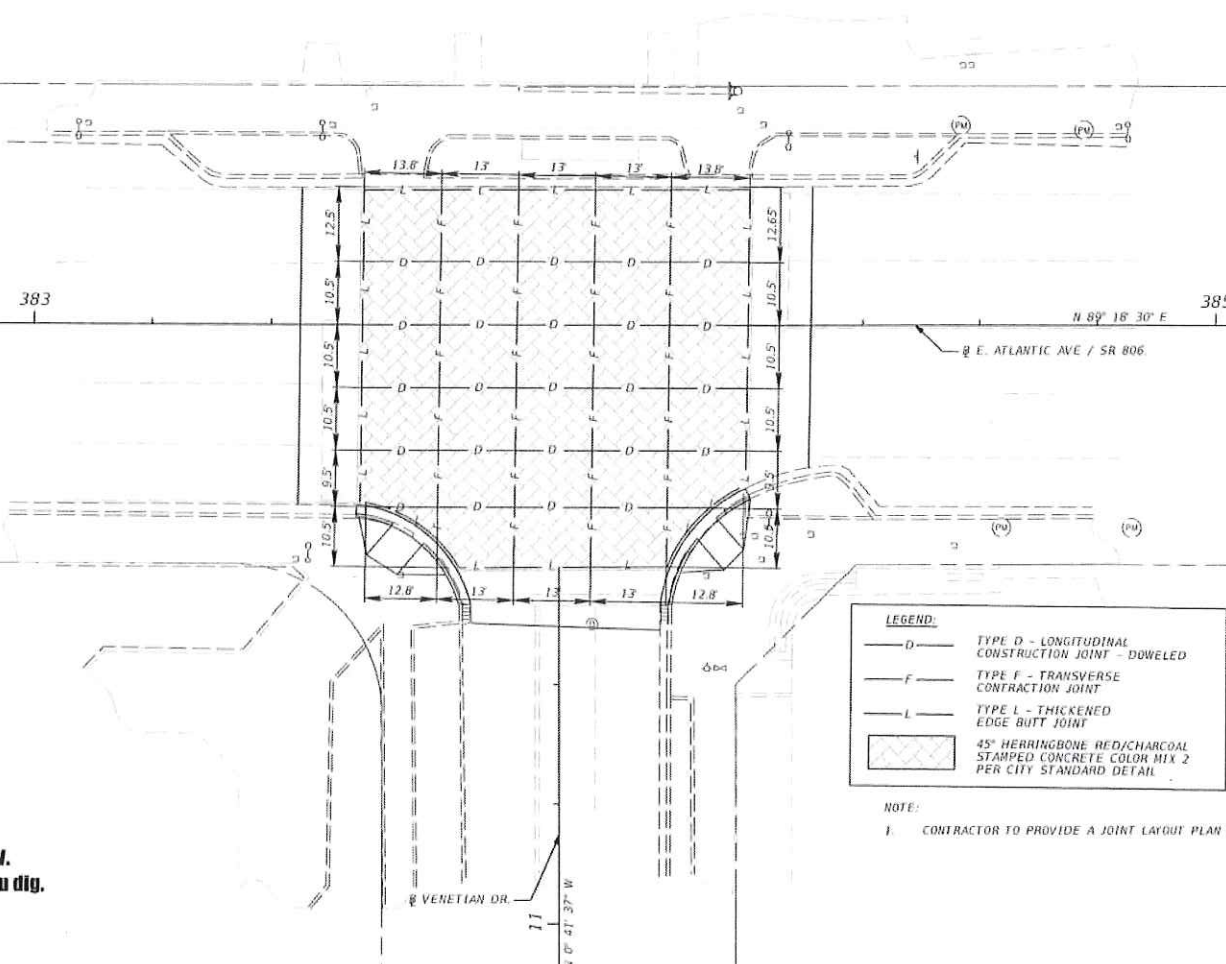
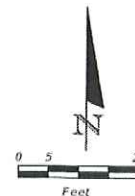
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**LEGEND:**

- D — TYPE D - LONGITUDINAL CONSTRUCTION JOINT - DOWELED
- F — TYPE F - TRANSVERSE CONTRACTION JOINT
- L — TYPE L - THICKENED EDGE BUTT JOINT
- 45° HERRINGBONE RED/CHARCOAL STAMPED CONCRETE COLOR MIX 2 PER CITY STANDARD DETAIL

**NOTE:**  
1. CONTRACTOR TO PROVIDE A JOINT LAYOUT PLAN FOR APPROVAL



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 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444  
 Phone (561) 243-7322 Fax (561) 243-7334 www.mydelraybeach.com

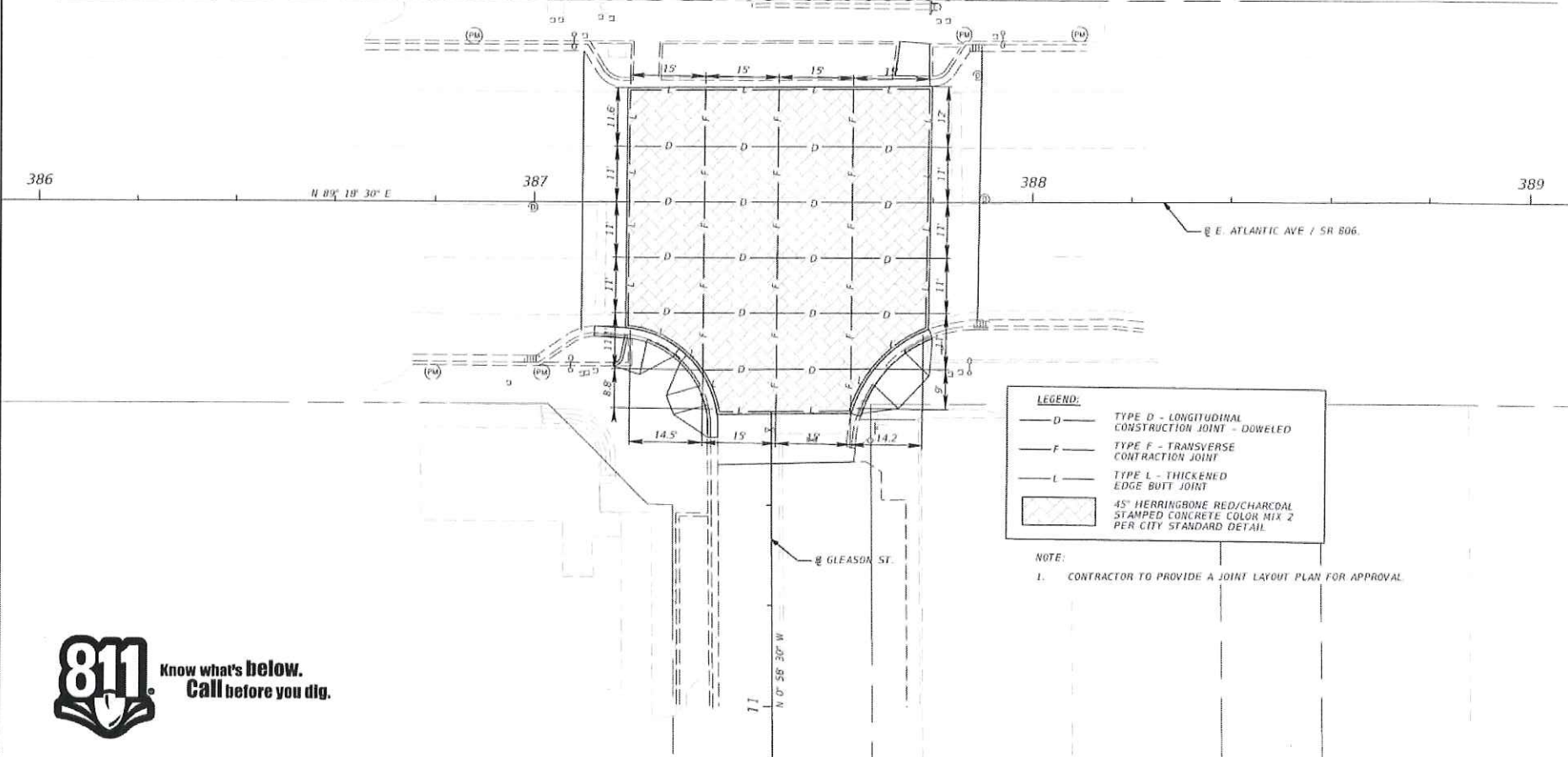
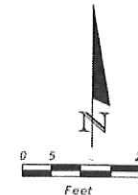
**KIMLEY-HORN AND ASSOCIATES, INC.**  
 Certificate Of Authorization No. 696  
**MARWAN MUFLEH, P.E.**  
 P.E. License No. 45329  
 Suite 100  
 1690 South Congress Avenue  
 Delray Beach, Florida 33445

**ENGINEER'S SEAL**  
**MARWAN MUFLEH, P.E.**  
 45329

DESIGNED BY	G. NG
DRAWN BY	S. BEKOVICH
CHECKED BY	J. SINGARSKI
DATE	
REVISION	
DATE	
DESCRIPTION	
BY	

**CONCRETE JOINT LAYOUT PLAN**  
**VENETIAN DRIVE**

PROJECT NO.	14-008
SHEET NO.	7
FILE ID	



**LEGEND:**

— D — TYPE D - LONGITUDINAL CONSTRUCTION JOINT - DOWELED

— F — TYPE F - TRANSVERSE CONTRACTION JOINT

— L — TYPE L - THICKENED EDGE BUTT JOINT

45° HERRINGBONE RED/CHARCOAL STAMPED CONCRETE COLOR MIX 2 PER CITY STANDARD DETAIL

**NOTE:**

1. CONTRACTOR TO PROVIDE A JOINT LAYOUT PLAN FOR APPROVAL



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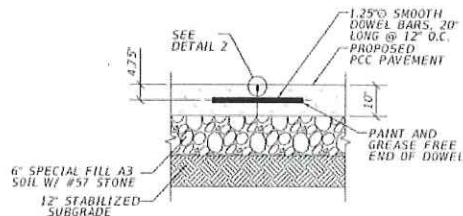
**KIMLEY-HORN AND ASSOCIATES, INC.**  
 Certificate of Authorization No. 696  
**MARWAN MUFLEH, P.E.**  
 P.E. License No. 45329  
 Suite 100  
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**ENGINEER'S SEAL**  
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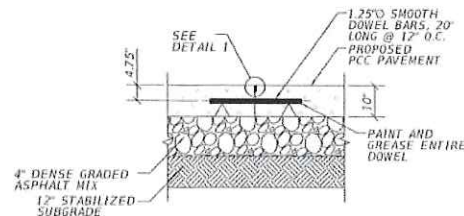
DESIGNED BY	G. NG
DRAWN BY	S. BUKOVICH
CHECKED BY	S. ORR
DATE	
REVISION	
DATE	
DESCRIPTION	
BY	

**CONCRETE JOINT LAYOUT PLAN**  
**GLEASON STREET**

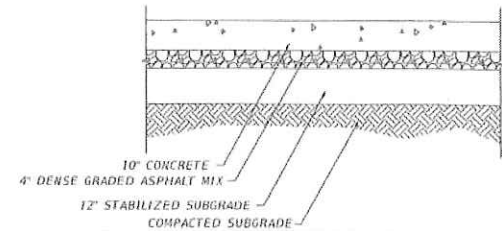
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SHEET NO.	8
FILE NO.	



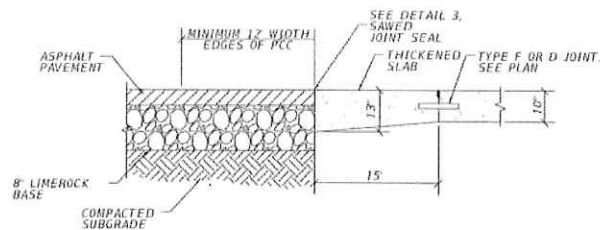
**TYPE D LONGITUDINAL CONSTRUCTION  
JOINT - DOWELED**  
NTS  
(DOWELS TO BE GANG DRILLED AND EPOXIED IN PLACE)



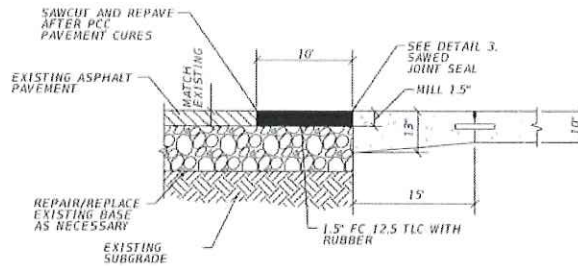
**TYPE F TRANSVERSE CONSTRUCTION  
JOINT - DOWELED**  
NTS



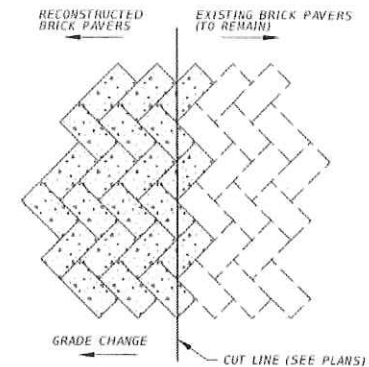
**CONCRETE TYPICAL  
SECTION**  
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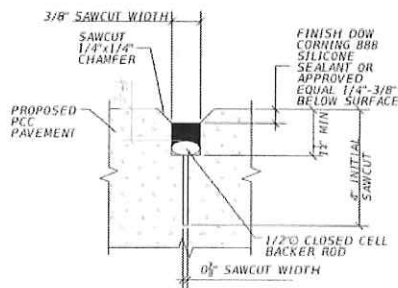
**TYPE L1 THICKENED EDGE BUTT JOINT  
(TO MEET NEW PAVEMENT)**  
NTS



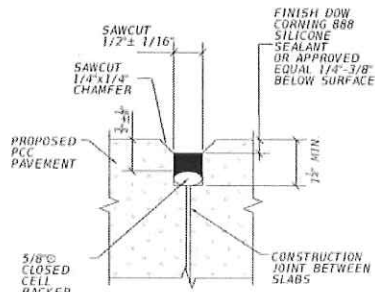
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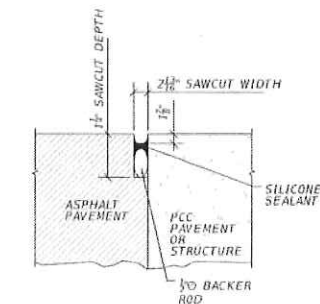
**PAVER TIE-IN DETAIL  
(PEDESTRIAN WALKWAYS)**  
NTS



**DETAIL 1 CONTRACTION JOINT**  
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**DETAIL 2 CONSTRUCTION JOINT**  
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**DETAIL 3 SAWED JOINT SEAL**  
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ENGINEER'S SEAL  
MARWAN MUFLER, P.E.  
45329

DESIGNED BY	G. NO.
DRAWN BY	S. BUKOVICH
CHECKED BY	S. ORR
DATE	
REVISION	
DATE	
DESCRIPTION	
BY	

SPECIAL DETAILS

PROJECT NO.  
**14-008**  
SHEET NO.  
**9**  
FILE NO.

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## 1.0 SITE DESCRIPTION

### 1.A. NATURE OF CONSTRUCTION ACTIVITIES:

THIS PROJECT IS A RECONSTRUCTION PROJECT OF TWO BRICK PAVEMENT INTERSECTIONS ALONG EAST ATLANTIC AVENUE (SR 806) THAT HAVE EXPERIENCED SETTLING. THE INTERSECTIONS ARE ATLANTIC AVENUE (SR 806) AT VENETIAN DRIVE, AND ATLANTIC AVENUE (SR 806) AT CLEASON STREET. THE EXISTING BRICK PAVEMENT INTERSECTION WILL BE REMOVED AND REPLACED WITH A NEW STAMPED CONCRETE PAVEMENT STRUCTURE. SUBSTANDARD PEDESTRIAN RAMPS AT THE INTERSECTIONS WILL ALSO BE REPLACED WITH NEW BRICK PAVEMENT RAMPS, DESIGNED TO MEET ADA STANDARDS. THE INTERSECTIONS WILL ALSO INCLUDE REPLACING THE EXISTING CROSSWALKS AS PART OF THE RECONSTRUCTION OF THE PAVEMENT STRUCTURE.

THIS PROJECT DOES NOT INCLUDE ANY CHANGES IN ROADWAY GEOMETRY.

### 1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

1. REMOVE EXISTING BRICK PAVEMENT STRUCTURES AND PEDESTRIAN RAMPS.
2. CONSTRUCT NEW BRICK PAVEMENT STRUCTURES AND PEDESTRIAN RAMPS.

### 1.C. AREA ESTIMATES:

TOTAL SITE AREA: 1.7 AC  
TOTAL AREA TO BE DISTURBED: 0.4 AC  
TOTAL AREA OF CLEARING AND GRUBBING: 0.4 AC  
NEW IMPERVIOUS: 0.00 AC

### 1.D. QUALITY OF EXISTING STORMWATER DISCHARGE:

A SOIL SURVEY IS NOT INCLUDED ON THE CONSTRUCTION PLANS.

### 1.E. SITE MAP:

THE FOLLOWING INFORMATION IS SHOWN ON THE SPECIFIC PLANS NOTED BELOW.

AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN SHEETS AND SPECIAL DETAIL SHEETS. ANY AREAS WHERE PERMANENT FEATURES WILL BE CONSTRUCTED ABOVE OR BELOW THE GROUND WILL BE DISTURBED.

AREAS NOT TO BE DISTURBED: AREAS OUTSIDE THE PROPOSED CONSTRUCTION WITHIN THE PROJECT LIMITS WILL NOT BE DISTURBED DURING CONSTRUCTION.

LOCATION OF CONTROLS: TEMPORARY SEDIMENT CONTROL DEVICES (INLET PROTECTION SYSTEM AND SEDIMENT BARRIER) WILL BE INSTALLED AROUND THE INLETS. SEDIMENT BARRIER SHALL BE INSTALLED AT ALL CONSTRUCTION BOUNDARIES WHERE STORMWATER RUNOFF HAS THE POTENTIAL TO REACH SURFACE WATERS OR OFF SITE STORMWATER COLLECTION FACILITIES.

AREAS TO BE STABILIZED: PERMANENT STABILIZATION IS SHOWN ON THE SPECIAL DETAIL SHEETS.

SURFACE WATERS: THERE ARE NO SURFACE WATERS WITHIN THE PROJECT CORRIDOR.

## 2.0 CONTROLS

### 2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE PROPOSED TRAFFIC CONTROL PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TRAFFIC CONTROL PLANS WHERE FOLLOWING THE TRAFFIC CONTROL PLANS OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SECTION 104 EROSION CONTROL PLAN, SUBJECT TO APPROVAL OF THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATIONS, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

#### 2.A.1. STABILIZATION PRACTICES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS AFTER BEGINNING WORK.

THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

#### TEMPORARY:

NO TEMPORARY STABILIZATION PRACTICES TO BE IMPLEMENTED

#### PERMANENT:

ASPHALT OR CONCRETE SURFACE  
CONCRETE OR PAVEMENT SIDEWALKS

#### 2.A.2. STRUCTURAL PRACTICES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

#### TEMPORARY:

SEDIMENT BARRIER IN ACCORDANCE WITH DESIGN STANDARD INDEX 102.

INLET PROTECTION SYSTEM IN ACCORDANCE WITH DESIGN STANDARD INDEX 102.

#### PERMANENT:

PERFORMANCE TURF.

#### 2.B. STORMWATER MANAGEMENT:

THE EXISTING STORM SEWER SYSTEM WILL BE MAINTAINED.

#### 2.C. OTHER CONTROLS:

THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTITUTING A CLEAN, ORDERLY CONSTRUCTION SITE. THE FOLLOWING CONTROLS SHALL BE IMPLEMENTED TO FURTHER REDUCE POLLUTION AT THE PROJECT SITE.



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45329

DESIGNED BY	G. NG				
DRAWN BY	S. BURKOVICH				
CHECKED BY	S. DOR				
DATE		REVISION	DATE	DESCRIPTION	BY

STORM WATER  
POLLUTION PREVENTION PLAN

PROJECT NO.  
14-008  
SHEET NO.  
10  
FILE NO.

South Atlantic

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#### 2.C.1 DISCHARGE OF MATERIALS TO SURFACE WATERS:

NO CONSTRUCTION MATERIAL SHALL BE DISCHARGED TO WATERS OF THE STATE UNLESS AUTHORIZED BY SECTION 104 PERMIT AND/OR THE STATE OF FLORIDA ENVIRONMENTAL RESOURCE PERMIT. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN AN APPROVED UPLAND LOCATION. BUILDING MATERIAL SHALL NOT BE DISPOSED OF IN WETLANDS OR BURIED ON SITE.

#### 2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

THE CONTRACTOR SHALL TAKE MEASURES TO INSURE THE CLEANUP OF SEDIMENTS THAT HAVE BEEN TRACKED BY VEHICLES OR HAVE BEEN TRANSPORTED BY WIND OR STORM WATER ABOUT THE SITE OR ONTO NEARBY ROADWAYS.

STABILIZED CONSTRUCTION ENTRANCES AND CONSTRUCTION ROADS, IF APPROPRIATE, SHALL BE IMPLEMENTED IN ORDER TO REDUCE OFF SITE TRACKING AND WHEEL RUTS BOTH INSIDE AND OUTSIDE ROADWAY CLEAR ZONES.

LOADED HAIL TRUCKS SHALL BE COVERED WITH A TARP/PAULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY.

#### 2.C.3 WASTE DISPOSAL

THE CONTRACTOR SHALL DEMONSTRATE THE PROPER DISPOSAL OF ALL CONSTRUCTION WASTE GENERATED WITHIN THE PROJECT LIMITS. WASTE MAY INCLUDE, BUT NOT BE LIMITED TO, VEGETATION FROM CLEARING AND GRUBBING ACTIVITIES, PACKAGING MATERIALS, SCRAP BUILDING MATERIALS, LITTER FROM TRAVELING PUBLIC, SEWAGE FROM SANITARY FACILITIES, HERBICIDES AND PESTICIDES AND THEIR CONTAINERS, AND HYDROCARBON PRODUCTS. CONTRACTOR SHALL DESIGNATE A WASTE COLLECTION AREA ONSITE AND DELINEATE THE AREA ON THE SWPPP SITE MAP.

SANITARY/SEPTIC FACILITIES SHALL BE PROVIDED AND MAINTAINED IN A NEAT AND SANITARY CONDITION, FOR THE USE OF THE CONTRACTOR'S EMPLOYEES AS NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY STATE REGULATIONS, WILL COLLECT ALL SANITARY WASTE FROM PORTABLE UNITS.

THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES. CONTRACTOR WILL PROVIDE AN ADEQUATE NUMBER OF LITTER CONTAINERS WITH LIDS AT THE STAGING, STOCKPILE AND FIELD OFFICE AREAS. SPILLED LITTER CONTAINERS WILL BE CLEANED UP IMMEDIATELY.

#### 2.C.4 HERBICIDES AND PESTICIDES:

THE APPLICATION AND HANDLING OF HERBICIDES AND PESTICIDES SHALL BE IN COMPLIANCE WITH THE MANUFACTURER RECOMMENDED METHOD.

HERBICIDE AND PESTICIDES SHALL BE STORED ONSITE IN THEIR ORIGINAL CONTAINERS WITH PRODUCT LABEL INTACT. HERBICIDE APPLICATOR TO HAVE CURRENT APPLICATOR LICENSE WITH RIGHT-OF-WAY ENDORSEMENT, A COPY OF WHICH IS TO BECOME PART OF PROJECT FILE.

#### 2.C.5 TOXIC/HAZARDOUS MATERIAL HANDLING:

CONTRACTOR SHALL PROVIDE EQUIPMENT NECESSARY TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS, INCLUDING PETROLEUM PRODUCTS. SPILLS SHALL BE CONTAINED AND CLEANED UP IMMEDIATELY AFTER THEY OCCUR. SPILLED MATERIAL AND THE EQUIPMENT USED TO CLEAN UP THE SPILL SHALL NOT COME IN CONTACT WITH SURFACE WATERS OR BE INTRODUCED INTO STORM WATER. DISPOSAL OF SURPLUS PRODUCT WILL BE DONE ACCORDING TO MANUFACTURER RECOMMENDED METHOD.

CONTRACTOR SHALL PROVIDE A PROJECT SPECIFIC HAZARDOUS MATERIALS SPILL CONTROL PLAN IN ORDER TO ADDRESS THE HANDLING OF HYDROCARBON AND HAZARDOUS MATERIALS.

PETROLEUM PRODUCTS SHALL BE STORED IN COVERED AREAS WITH SECONDARY CONTAINMENT SURROUNDING CONTAINER.

TOXIC/HAZARDOUS MATERIALS EXPOSED DURING CONSTRUCTION ACTIVITIES SHALL BE HANDLED IN COMPLIANCE WITH THE MANUFACTURER RECOMMENDED METHOD.

THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING.

SEDIMENT BARRIER: THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.

SUMP INLETS: REMOVE SEDIMENT WHEN IT REACHES A DEPTH OF 1 FT IN SUMP.

PERFORMANCE TURF: KEEP THE PERFORMANCE TURF IN MOIST CONDITION FOR THE DURATION OF THE CONTRACT PERIOD AND IN NO CASE LESS THAN TWO WEEKS. TEMPORARY AND PERMANENT SODDING WILL BE INSPECTED AND REPAIRED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.

INLET PROTECTION SYSTEM: REMOVE SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE BAG.

SEDIMENT BARRIER: REMOVE SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF BALES OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS. THE CONTRACTOR SHOULD ANTICIPATE REPLACING BALES ON 3-MONTH INTERVALS.

#### 4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT PRODUCES 0.50 INCHES OR MORE OF RAIN. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORM WATER POLLUTION PREVENTION PLAN. THE FOLLOWING ITEMS WILL BE INSPECTED:

POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.

POINTS OF DISCHARGE TO SEPARATE MUNICIPAL STORM SEWER SYSTEMS.

DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.

AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.

STRUCTURAL CONTROLS.

STORMWATER MANAGEMENT SYSTEMS.

LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

#### 5.0 NON-STORMWATER DISCHARGES:

ANY KNOWN OR SUSPECT HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECT HAZARDOUS MATERIAL FROM FURTHER ACCESS. THE PROJECT ENGINEER IS TO NOTIFY THE PROPER REGULATORY AUTHORITY OF THE DISCOVERY. THE PROPER REGULATORY AUTHORITY WILL ADVISE / DIRECT THE PROJECT ENGINEER IN THE INVESTIGATION, IDENTIFICATION, AND / OR REMOVAL / REMEDIATION OF THE MATERIAL IN QUESTION AS NEEDED. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF SUSPECTED CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER. THE REGULATORY AUTHORITY WILL ADVISE THE PROJECT ENGINEER IN THESE MATTERS.

THE CONTRACTOR SHALL DEVELOP A PLAN TO DISPOSE OF SLURRY MATERIAL FROM THE INSTALLATION OF WAST ARM FOUNDATIONS. SEDIMENT REMOVED FROM SUMP INLETS DURING CONSTRUCTION SHALL BE DISPOSED OF IN DESIGNATED STOCKPILE LOCATIONS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DESIGNATE AN AREA WITHIN THE PROJECT LIMITS FOR CONCRETE TRUCK WASHOUT ACTIVITIES. THIS AREA SHALL PROVIDE EROSION CONTROL DEVICES THAT PREVENT CONTACT BETWEEN CONCRETE WASHOUT MATERIALS AND STORMWATER AND/OR SURFACE WATERS.

#### 6.0 CONTRACTOR SUBMITTAL:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP AN EROSION CONTROL PLAN THAT PROVIDES A DETAILED DESCRIPTION OF ALL EROSION AND SEDIMENT CONTROLS, BEST MANAGEMENT PRACTICES, AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE FOR EACH ACTIVITY IDENTIFIED IN SECTION 1.B. SEQUENCE OF SOIL DISTURBING ACTIVITIES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE FRAMES IN WHICH THE CONTROLS WILL BE IMPLEMENTED, MAINTAINED AND REMOVED. THIS INFORMATION SHALL BE KEPT AT THE PROJECT FIELD OFFICE IN ORDER FOR THE PROJECT TO BE CONSIDERED IN COMPLIANCE WITH THE FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION SITES.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE FOLLOWING ITEMS ARE ON SITE:

COPY OF THE STORMWATER POLLUTION PREVENTION PLAN WITH THE ORIGINAL CERTIFICATION SIGNATURES.

COPY OF THE CONTRACTOR'S EROSION CONTROL PLAN.

HAZARDOUS SPILL CONTROL PLAN WITH GUIDELINES ON CONTACTING THE 24 HOUR EMERGENCY RESPONSE PROGRAM FOR HAZARDOUS MATERIAL SPILLS. THIS SHALL INCLUDE COPIES OF DISCHARGE NOTIFICATIONS THAT HAVE OCCURRED WITHIN THE PROJECT LIMITS.

COMPLETED INSPECTION FORMS.

THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE FOLLOWING ITEMS TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION IN ORDER FOR THE NPDES PERMIT TO BE PROCESSED:

FDEP FORM 62-621.300(4B) - NOTICE OF INTENT (NOI) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION. CONTRACTOR THIS NOTICE OF INTENT SHALL BE SIGNED BY THE CONTRACTOR.

THE PERMITTING FEE IS BASED ON THE PROJECTS CLEAR AND GRUB AREA AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT THE NOI TO FDEP NO LATER THAN 48 HOURS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROOF OF MAIL DATE TO THE PROJECT ADMINISTRATOR.



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DRAWN BY	S. BROWN				
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DATE		REVISION	DATE	DESCRIPTION	BY

STORM WATER  
POLLUTION PREVENTION PLAN

PROJECT NO.  
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