

## CHARLEY TOPPINO & SONS, INC.

CHARLEY TOPPINO & SONS, INC.

P.O. BOX 787

KEY WEST, FL 33041

Phone: 305 296-5606

Fax: 305 296-5189

SOV#39-Unforeseen Conditions Change Allowance

Number: 3

PROJECT: Truman Waterfront Park Project

DATE: 10 June 2016

TO: CITY OF KEY WEST

PROJECT #: GR0703

SOV line #39 "Unforeseen Conditions Allowance" \$554,680.33

### DESCRIPTION OF CHANGE:

#### ITEM

#### AMOUNT

1-FCD-006-Additional Seawall Demo-NTP1 PH2

\$ 11,313.00

2-FCD-008 - Spline Road Stabilization - Parcel C

\$56,972.00

3-FCD-007 - Retention Swale E Redesign Nyloplast Basins add

\$7,615.50

TOTAL:

\$ 77,900.50

1. It is understood and agreed that the acceptance for this Change Order by this Subcontractor constitutes an accord and satisfaction with the terms of this Change Order.
2. The amount of the Change Order covers all direct and indirect costs.
3. It is further understood and agreed that all terms and conditions of said Contract, as it may therefore have been modified shall remain the same.
4. Acceptance of the Change Order acknowledges acceptance of all previous Change Order work by the Subcontractor and Contractor as well as any adjustments to the Subcontractor amount and modifications as reflected above.
5. This Change Order includes all items necessary for a complete installation including, but not necessarily limited to labor, supervision, materials, transportation, incidentals, taxes, and any other items necessary for a complete installation.

The Original Contract Sum was per SOV line item #39 for Unforeseen Conditions Allowance Net \$554,680.33

Change by Previously Authorized Requests & Changes: (\$68,285.00)

The Contract Sum Prior to This Change Order is: \$486,395.33

The total of this submitted change to the Unforeseen Conditions Allowance: (\$7,615.50)

The Contract Sum SOV Line Item #39 for Unforeseen Conditions Allowance will be Decreased To: \$478,779.83

The Contract Time Will Not be Changed (Days) 0

### ACCEPTED:

CHARLEY TOPPINO & SONS, INC.

By: Andi Fraley

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

Andi Fraley  
Printed Name & Title

\_\_\_\_\_  
Printed Name & Title

Date: 10 June 2016

Date: \_\_\_\_\_



**Work Change Directive Proposal**  
**Truman Waterfront Park Phase 1A**  
 ITB 15-022  
 P.O. #

DATE: 6/10/16

**Location:** Truman Waterfront Park, Key West  
**Scope:** FCD007 Retention Pond E

**ITEMIZED QUANTITIES**  
**WCD** 7

Item	Description	Quantity	Units	Cost per Unit	Line Item Cost	Notes	
<b>STORM DRAINAGE (CP-05)</b>							
	18" Storm Pipe - Material	16.0	LF	\$ 18.25	\$ 292.00		
	Nyloplast Yard Drains - Material	2.0	EA	\$ 1,125.00	\$ 2,250.00		
	No #57 Stone - Material	12.0	TON	\$ 40.00	\$ 480.00		
	Fabric - Material	45.0	SY	\$ 1.50	\$ 67.50		
	Superintendent/Administrative	2	HR	\$ 98.00	\$ 196.00		
	Foreman	8	HR	\$ 80.00	\$ 640.00		
	Operator	8	HR	\$ 60.00	\$ 480.00		
	Laborer	8	HR	\$ 42.00	\$ 336.00		
	Laborer	8	HR	\$ 42.00	\$ 336.00		
	Laborer	8	HR	\$ 42.00	\$ 336.00		
	Surveyor	2	HR	\$ 300.00	\$ 450.00		
	Backhoe, 320 or Equal	8	HR	\$ 80.00	\$ 640.00		
	Wheel Front End Loader	8	HR	\$ 65.00	\$ 520.00		
	Laser Equipment	8	HR	\$ 10.00	\$ 80.00		
	6" Hydraulic Dewatering MWI Pump	8	HR	\$ 49.00	\$ 392.00		
	WB Plate Compactor	8	HR	\$ 15.00	\$ 120.00		
<b>Subtotal</b>					\$ 7,615.50		
1	Performance/Payment Bonds (\$20.00/Thousand)	1	LS	\$20.00/Thousand	\$ -		
2	Mobilization/Demobilization	1	LS	5% of Total			
<b>Total</b>					\$ 7,615.50		
<b>Notes:</b>							
<b>Prepared by:</b>	<i>Andrew Toppino</i>						
	Estimator						
	Charley Toppino & Sons, Inc.						
						<b>WCD</b>	<b>1</b>
						<b>Sheet</b>	<b>1 of 1</b>
<b>Date:</b>	6/10/16						

SUPERSEDED  
10 JUNE 2016

**CHARLEY TOPPINO & SONS, INC.**

CHARLEY TOPPINO & SONS, INC.

P.O. BOX 787

KEY WEST, FL 33041

Phone: 305 296-5606

Fax: 305 296-5189

**SOV#39-Unforeseen Conditions Change Allowance**

Number: 3

**PROJECT:** Truman Waterfront Park Project

**DATE:** 8 June 2016

**TO:** CITY OF KEY WEST

**PROJECT #:** GR0703

**SOV line #39 "Unforeseen Conditions Allowance"** \$554,680.33

**DESCRIPTION OF CHANGE:**

**ITEM**

**AMOUNT**

1-FCD-006-Additional Seawall Demo-NTP1 PH2	\$11,313.00
2-FCD-008 - Spline Road Stabilization - Parcel C	\$56,972.00
3-FCD-007 - Retention Swale E Redesign Nyloplast Basins add	\$7,946.00

**TOTAL:** \$ 76,231.00

1. It is understood and agreed that the acceptance for this Change Order by this Subcontractor constitutes an accord and satisfaction with the terms of this Change Order.
2. The amount of the Change Order covers all direct and indirect costs.
3. It is further understood and agreed that all terms and conditions of said Contract, as it may therefore have been modified shall remain the same.
4. Acceptance of the Change Order acknowledges acceptance of all previous Change Order work by the Subcontractor and Contractor as well as any adjustments to the Subcontractor amount and modifications as reflected above.
5. This Change Order includes all items necessary for a complete installation including, but not necessarily limited to labor, supervision, materials, transportation, incidentals, taxes, and any other items necessary for a complete installation.

**The Original Contract Sum was per SOV line item #39 for Unforeseen Conditions Allowance Net** **\$554,680.33**

**Change by Previously Authorized Requests & Changes:** **(\$68,285.00)**

**The Contract Sum Prior to This Change Order is:** **\$486,395.33**

**The total of this submitted change to the Unforeseen Conditions Allowance:** **(\$7,946.00)**

**The Contract Sum SOV Line Item #39 for Unforeseen Conditions Allowance will be Decreased To:** **\$478,449.33**

**The Contract Time Will Not be Changed (Days)** 0

**ACCEPTED:**

CHARLEY TOPPINO & SONS, INC.

By: Andi Fraley

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

Andi Fraley  
Printed Name & Title

\_\_\_\_\_  
Printed Name & Title

Date: 8 June 2016

Date: \_\_\_\_\_



**FIELD CHANGE DIRECTIVE  
No. 07**

**REQUEST FOR PROPOSAL**

PROJECT: **Truman Waterfront Park Phase 1A**

DATE OF ISSUANCE: **June 2, 2016**

EFFECTIVE DATE: **June 2, 2016**

OWNER: **City of Key West**

OWNER's Project Number: **GR0703/SE1505/TR0501**

CONTRACTOR: **Charley Toppino & Sons**

Project Mgr.: **Jim Bouquet**

You are directed to proceed promptly with the following change(s):

Description: **Construct Retention Area E as indicated on the attached drawing CP-05. Provide cost to furnish and install Nyloplast Yard Drains to facilitate water movement beneath the conduit (to remain).**

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Estimated change in Contract Price: **TBD**

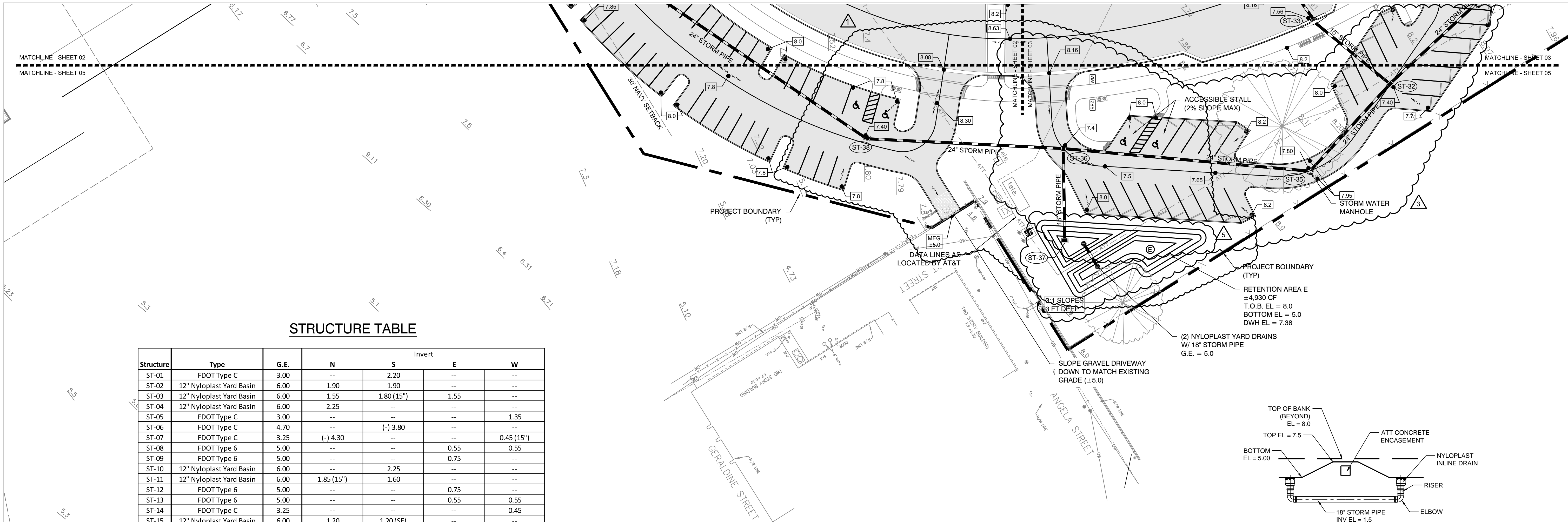
Estimated increase in Contract Times: **None**



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Jim Bouquet, PE  
Director of Engineering





STRUCTURE TABLE

Structure	Type	G.E.	Invert			
			N	S	E	W
ST-01	FDOT Type C	3.00	--	2.20	--	--
ST-02	12" Nyloplast Yard Basin	6.00	1.90	1.90	--	--
ST-03	12" Nyloplast Yard Basin	6.00	1.55	1.80 (15")	1.55	--
ST-04	12" Nyloplast Yard Basin	6.00	2.25	--	--	--
ST-05	FDOT Type C	3.00	--	--	--	1.35
ST-06	FDOT Type C	4.70	--	(-) 3.80	--	--
ST-07	FDOT Type C	3.25	(-) 4.30	--	--	0.45 (15")
ST-08	FDOT Type 6	5.00	--	--	0.55	0.55
ST-09	FDOT Type 6	5.00	--	--	0.75	--
ST-10	12" Nyloplast Yard Basin	6.00	--	2.25	--	--
ST-11	12" Nyloplast Yard Basin	6.00	1.85 (15")	1.60	--	--
ST-12	FDOT Type 6	5.00	--	--	0.75	--
ST-13	FDOT Type 6	5.00	--	--	0.55	0.55
ST-14	FDOT Type C	3.25	--	--	--	0.45
ST-15	12" Nyloplast Yard Basin	6.00	1.20	1.20 (SE)	--	--
ST-16	FDOT Type 6	7.45	--	2.55	2.55 (NE)	--
ST-17	FDOT Type 6	7.45	2.75	--	--	--
ST-18	FDOT Type C	7.10	0.90 (NW)	--	0.40	2.25 (SW) (15")
ST-19	FDOT Type C	7.60	2.85	--	--	--
ST-20	FDOT Type C	7.60	2.55 (15")	2.55 (15")	0.20	0.20
ST-21	FDOT Type C	7.60	--	2.85	--	--
ST-22	FDOT Type C	7.60	--	0.00 (SE)	--	0.00
ST-23	FDOT Type C	5.00	(-) 0.20	--	--	--
ST-24	FDOT Type C	5.00	--	--	--	(-) 1.00
ST-25	FDOT Type 6	7.58	--	--	(-) 0.90	(-) 0.90
ST-26	FDOT Type 6	7.58	--	2.65	(-) 0.70	2.90 (15")
ST-27	12" Nyloplast Yard Basin	8.00	--	--	3.05	--
ST-28	FDOT Type C	5.00	--	--	--	--
ST-29	FDOT Type 6	7.26	(-) 1.60 (NW)	(-) 1.60 (SE)	--	--
ST-30	FDOT Type 6	7.48	3.25	--	--	--
ST-31	FDOT Type 6	7.26	(-) 1.30 (NW)	(-) 1.30 (SE)	--	--
ST-32	FDOT Type C	7.40	(-) 0.90 (NW)	(-) 0.90 (SE)	--	1.30 (SW) (15")
ST-33	FDOT Type 6	7.56	--	--	1.55 (NE)	1.55
ST-34	FDOT Type 6	7.56	--	--	1.80	--
ST-35	Stormwater Manhole	7.80	(-) 0.65 (NW)	(-) 0.65	--	--
ST-36	FDOT Type C	7.40	(-) 0.40	(-) 0.40	0.10 (18")	--
ST-37	FDOT Type C	5.00	--	--	--	0.30
ST-38	FDOT Type C	7.40	0.20	--	--	0.20 (SW)
ST-39	FDOT Type C	7.40	0.65 (NW)	--	0.65 (NE)	--
ST-40	FDOT Type 6	7.32	1.25 (NW)	0.85 (SE)	--	0.85 (SW)
ST-41	FDOT Type 6	7.32	1.35 (NW)	1.35 (SE)	--	--
ST-42	Stormwater Manhole	7.68	1.60 (NW)	2.30 (SE) (18")	1.10 (NE)	1.10 (SW)
ST-43	NOT USED	--	--	--	--	--
ST-44	NOT USED	--	--	--	--	--
ST-45	FDOT Type 5	7.20	2.60 (NW)	--	2.85 (NE) (15")	--
ST-46	FDOT Type 5	7.20	--	--	--	2.95 (SW)
ST-47	FDOT Type 6	6.95	1.90 (NW) (18")	--	0.20 (NE)	0.20 (SW)
ST-48	FDOT Type 6	6.95	--	2.00 (SE)	--	--
ST-49	FDOT Type 6	6.91	(-) 1.00 (NW) (18")	--	(-) 1.00 (NE)	(-) 1.00 (SW)
ST-50	FDOT Type 6	7.11	--	(-) 0.80 (SE)	--	--
ST-51	FDOT Type 6	7.10	--	(-) 1.00 (SE)	--	--
ST-52	FDOT Type 6	7.10	(-) 1.20 (NW) (18")	--	(-) 1.70 (NE)	(-) 1.70 (SW)
ST-53	Stormwater Manhole	7.48	--	(-) 2.45	(-) 2.45 (NE)	--
ST-54	FDOT Type 6	6.80	0.50 (NW) (18")	(-) 2.80 (SE)	(-) 2.80 (NE)	--
ST-55	FDOT Type C	3.00	(-) 3.00 (NW)	--	--	--
ST-56	FDOT Type 6	6.80	--	1.00 (SE)	--	--
ST-57	FDOT Type C	3.00	--	--	(-) 1.00	--
ST-58	FDOT Type C	3.00	--	--	--	(-) 1.00
ST-59	Stormwater Manhole	7.30	(-) 4.5 (NW)	0.10 (+/-) (SE)	--	--
ST-60	Stormwater Manhole	7.60	0.00 (+/-) (NW)	(-) 4.6 (SE)	--	--

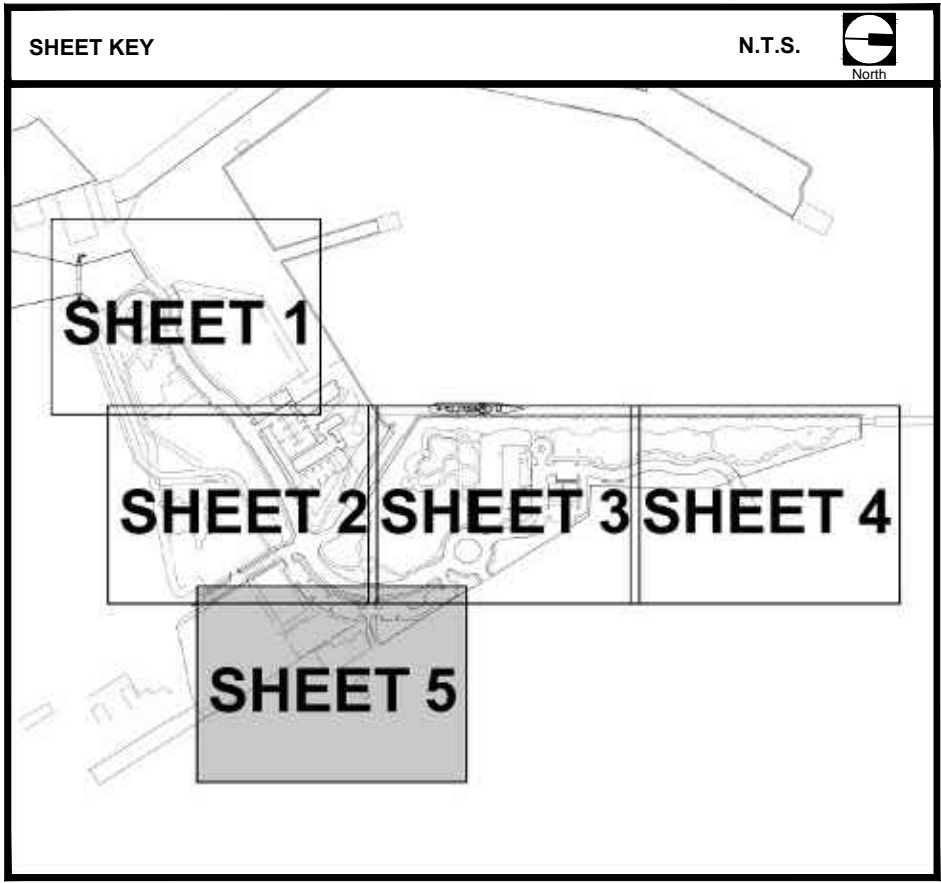
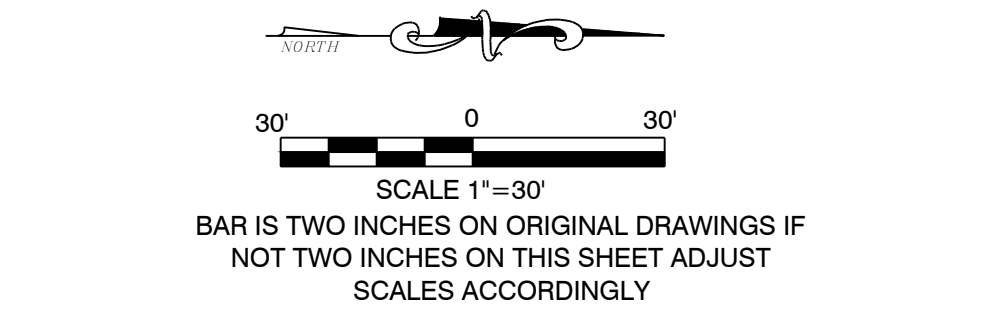
Water Quantity Calculations - 25yr/72hr Design Storm				
<i>Water Quantity - Predevelopment</i>				
Project Area	A =	20.085	ac	874,884 sf
Pervious Area		10.880	ac	473,060 sf
Impervious Area		9.225	ac	401,824 sf
% Impervious		45.93%		
Rainfall for 25yr/24hr event	P <sub>24</sub> =	9	in	
Rainfall for 25yr/3day event	P <sub>72</sub> =	12.23	in	
Depth to Water Table		4	ft	
Predeveloped Available Storage		8.18	in	
Soil Storage	S =	4.42	in	
Q <sub>pre</sub> = (P <sub>72</sub> - 0.2S) <sup>2</sup> / (P <sub>72</sub> + 0.8S)	Q <sub>pre</sub> =	8.16	in	
Runoff Volume from 25 year/ 3 day storm	V <sub>25yr/72h</sub> =	163.97	ac-in	
<i>Water Quantity - Postdevelopment</i>				
Project Area	A =	20.085	ac	874,884 sf
Pervious Area		9.548	ac	415,910 sf
Impervious Area		10.537	ac	458,974 sf
% Impervious		52.5%		
Rainfall for 25yr/24hr event	P <sub>24</sub> =	9	in	
Rainfall for 25yr/3day event	P <sub>72</sub> =	12.23	in	
Depth to Water Table		4	ft	
Developed Available Storage		8.18	in	
Soil Storage	S =	3.89	in	
Q <sub>post</sub> = (P <sub>24</sub> - 0.2S) <sup>2</sup> / (P <sub>24</sub> + 0.8S)	Q <sub>post</sub> =	8.55	in	
Runoff Volume from 25 year/ 3 day storm	V <sub>25yr/72h</sub> =	171.73	ac-in	
<i>Postdevelopment - Predevelopment</i>				
Q <sub>pre-post</sub> = Q <sub>post</sub> - Q <sub>pre</sub>	Q <sub>pre-post</sub> =	0.39	in	
Pre/Post Volume = Q <sub>pre-post</sub> x A	V <sub>pre-post</sub> =	7.76	ac-in	

Exfiltration Trench Design		
Required trench length (L) =		
$K \left( H^2W + 2H^2Du - Du^2 + 2H^2Ds \right) + 1.39x10^{-4}(W)(Du)$		
Hydraulic Conductivity, K= 0.000514		
H =	4	ft
W =	5	ft
Du =	2.5	ft
Ds =	0	ft
Trench Length Provided =	300	FT
Volume of Trench , V =	5.726	ac-in

Exfiltration Trench Design		
Required trench length (L) =		
$K \left( H^2W + 2H^2Du - Du^2 + 2H^2Ds \right) + 1.39x10^{-4}(W)(Du)$		
Hydraulic Conductivity, K= 0.000514		
H =	4	ft
W =	5	ft
Du =	2.5	ft
Ds =	0	ft
Trench Length Provided =	1,100	FT
Volume of Trench , V =	20.994	ac-in

WATER QUALITY/PRETREATMENT CALCULATIONS

Basin	Total Area Acres	Impervious Area Acres	Roof Area Acres	Impervious for Water Quality (Acres)	1 ac-in Over Area	2.5 x Impervious	Required Volume Cubic Feet	Dry Retention Cubic Feet	Exfiltration Volume Cubic Feet	Total Retention Cubic Feet
1	1.254	0.144	0.000	0.144	1.254	0.361	4553.25	4,958	0	4,958
2	1.091	0.559	0.000	0.559	1.091	1.399	5077.08	5,301	0	5,301
3	6.572	4.040	0.164	3.876	6.572	9.690	35173.75	21,826	20,784	42,609
4	4.884	1.692	0.172	1.521	4.884	3.802	17730.17	0	76,206	76,206
5	4.163	2.650	0.000	2.650	4.163	6.624	24045.63	25,103	0	25,103
TOTAL										154,178



**ENVIRONMENTAL LAND USE CONTROLS NOTE:**  
PRIOR TO ANY AND ALL CONSTRUCTION ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING IF LOCATION OF CONSTRUCTION ACTIVITIES ARE SUBJECT TO ENVIRONMENTAL LAND USE CONTROLS (LUC). ANY AND ALL ENCOUNTERED CONTAMINATED SOIL AND OR GROUNDWATER SHALL BE HANDLED PER THE "SOIL AND GROUND WATER MANAGEMENT PLAN", DATED FEBRUARY 13, 2015 INCLUDED IN THE PROJECT MANUAL. CONTRACTOR SHALL VERIFY THAT LUC CONSTRUCTION PERMIT HAS BEEN FILED AND APPROVED FOR THIS WORK.



BERMELLO AJAMIL  
& PARTNERS • INC

Architecture • Engineering • Planning  
Interior Design • Landscape Architecture  
2601 South Bayshore Drive  
Suite 1000  
Miami, Florida 33133  
(305) 859-2050  
Fax (305) 860-3700

PREPARED FOR/OWNER:  
CITY OF KEY WEST, FL  
P. O. BOX 1409  
3140 FLAGLER AVENUE  
KEY WEST, FL 33041



PROJECT NAME:

TRUMAN  
WATERFRONT  
PARK

PROJECT LOCATION/ADDRESS:

TRUMAN WATERFRONT PARK  
WEST OF FORT STREET AND THE  
TRUMAN ANNEX DEVELOPMENT,  
NORTH OF KEY WEST NAVAL BASE

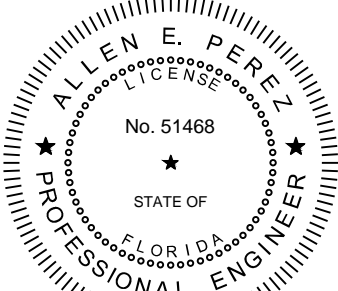
SUB-CONSULTANT INFORMATION:

**PEREZ ENGINEERING &  
DEVELOPMENT, INC.**

Certificate of Authorization No. 8579

1010 Kennedy Drive  
Suite 201  
Key West, Florida 33040  
(305) 293-9440  
Fax (305) 296-0243

PROFESSIONAL SEAL:



ALLEN E. PEREZ, P.E.  
FLORIDA REGISTERED ENGINEER  
51468

SUBMITTAL DESCRIPTION / MILESTONE:

BIDDING  
August 30, 2015

REVISIONS:

- 09-29-15 ADDENDA No. 2
- 03-18-16 ROAD REALIGNMENT
- 03-31-16 SEAGRAPE PARKING
- 04-28-16 IRRIGATION MODIFICATIONS
- 06-01-16 RETENTION POND E MODIFICATION

DRAWING SHEET INFORMATION

BA PROJECT NO.: 14041  
SCALE: 1" = 30'  
DATE: June 25, 2015  
DRAWN BY: BGO  
CHECKED BY: AEP

DRAWING TITLE:

PAVING, GRADING,  
& DRAINAGE PLAN

SHEET NO.

CP-05