THE CITY OF KEY WEST
1300 White Street
Key West, FL 33040

ADDENDUM NO. 2 – RE-BID REST BEACH STABILIZATION
ITB 18-011

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced bid package is hereby addended in accordance with the following items:

- Answers to ITB questions
- Revised Page 17 of Proposal Form
- Revised Schedule of Values Sheet
- Approved Replacement Palm List
- Approved Replacement Dicot List
- January 16, 2018 Updated Staff Report ("Tree Plan")

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 2 by submitting the addendum with their proposal. This Addendum does not alter the bid-opening date of January 24th, 2018 at 3:30pm. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

_____ _____
Signature Name of Business

Answers to ITB Questions

1. WILL THERE BE A CHARGE TO THE CONTRACTOR FOR THE STAGING AREA (PROVIDED BY THE CITY OF KEY WEST)?

   There will be no charge to the contractor for the staging area, however, contractor responsible for returning parcel to original condition.

2. THE SHEET PILE SPECIFICATION CALLS FOR EZ95 AND THE SCHEDULE OF VALUE LISTS XZ95; WHICH ONE IS TO BE USED?

   The construction drawings and bid documents reflect EZ-95 steel sheet piles. The Schedule of Values has been corrected to likewise read EZ-95.

3. SHOULD THE BID OPTIONS (LINE 32-38 OF THE SCHEDULE OF VALUE) BE INCLUDED IN THE DIRECT COSTS (LINE 39 OF THE SCHEDULE OF VALUE) OR AFTER AWARD AND APPROVED BE INCLUDED IN THE CONTRACT? IF TO BE INCLUDED IN THE DIRECT COST SHOULD LINE 33 JUST SHOW AN ADDITIONAL COST TO LINE 13?

   The Bid Options should NOT be included in the direct cost, as not all bid options are likely to be considered/approved.

4. DOES THE LUMP SUM NEED TO INCLUDE BID OPTION NUMBERS?

   The Bid Option numbers should NOT be included in the lump sum cost.

5. CAN I USE AN ALTERNATIVE SHEET PILE TO EZ-95?

   Bidders may propose alternate sheet piling as a deductive alternate. Include deductive alternate price on Revised Page 17 of Proposal Form, and include the alternate sheet pile Product specifications for consideration by Engineer. Bidders that elect to provide an alternate sheet pile bid shall provide a base bid for the EZ-95 sheet pile specified in the plans. Once all bids are received, any alternate sheet pile sections proposed will be evaluated by Engineer to determine equivalency.

6. Relating to tree relocation, the FNGLA directory does not list any FNGLA certified contractors in Monroe County. Please confirm if an ISA Certified Arborist is acceptable.

   ISA Certified Arborist is acceptable and preferred.

7. Regarding the Concrete Cap work, please provide details and/or maximum spacing requirements for any desired joints. Drawing sheet C-502, Detail 2, shows an expansion joint in the concrete cap with no spacing requirements noted.

   Please refer to the Marine Concrete Specification (Section 03 31 00), Section 3.2 Placing Reinforcement and Joints

Answers to ITB Questions (Continued)

8. Regarding the bid item "Landscaping – Relocation of 101 Existing Trees On Site by FNGLA Certified Contractor", with a bid quantity of 5 Days. Please clarify the scope of work for this item and how it is to be paid. Relative to scope, drawing sheets C-104 and C-105 include schedules of trees that may be impacted by construction activities. The total number of trees identified in these schedules is 17 ea., 10 ea. of which are planned to be relocated. This varies significantly from the 101 ea. noted in the bid item description. In terms of pay quantity, the quantity listed is 5 Days. Please confirm the City's intent to pay this item by the "Day".

   Tree removal/replacement, trimming, and relocation shall be bid as a single lump sum item; please refer to the revised schedule of values, Line No. 27.

9. Is there a specific sod that will be needed to be put down or will there be options? Also, all trees that need to be removed and replaced, what will they need to be replaced with? Can a tree with a larger DBH be replaced with multiple smaller width trees to make up for the difference or does the tree have to be of equal size?

   Sod type options will be approved by the Engineer. Attached below are the approved trees lists—removal of palms requires replacement of an approved palm 4 ft tall, removal of trees requires a certain amount of caliper inches of approved trees. If the caliper is 10" it could be 1-10" caliper tree or 10-1" caliper trees or two trees, as long as the total planted equals the 10 required caliper inches. The approved dicot tree list is also approved. For the Rest Beach area it is strongly urged that very high salt tolerant trees or beach berm tree species get replanted in the area (ie: Jamaican Caper, Buttonwood, 7 Year Apple).

PROPOSAL (continued)

BASE BID ADDITIVE ALTERNATES (See Part 6, Para. 1.1.1 for more detail)

Add Alternate #1: Furnish and install EZ-95 ASTM A690 Grade 50 sheetpile. $_____
Add Alternate #2: Coating all steel sheets w/ a 16 mil coal tar epoxy coating. $_____
Add Alternate #3: Furnish and install steel sheetpile points to all sheets. $_____

BASE BID DEDUCTIVE ALTERNATE (See Addendum 2, response to questions 2 through 5 for more detail)

Deductive Alternate #1: Furnish and install alternate sheetpile. $ -_____

Alternate sheetpile type/product specifications: _____

_____

NOTE: OWNER HAS RIGHT TO ACCEPT OR REJECT ANY, ALL OR NO BID ALTERNATE ITEMS. THE TOTAL OF BASE BID PLUS THE SUM OF OWNER SELECTED BID ALTERNATES WILL BE BASIS OF EVALUATING LOW BIDDER AND BASIS OF AWARD.

The Bidder shall submit a Schedule of Values with the Proposal. Schedule of Values shall be broken down by bid items listed in PART 8 of the PROJECT MANUAL and will be used as a basis for payment.
Contractor is responsible for providing a dollar amount for each item listed on the Schedule of Values and that total shall match the amount on the Proposal Lump Sum. The Bidder will be considered non-responsive if Schedule of Values is not complete and or not included in Bid Package.

Payment for subcontractors, materials and equipment authorized by the Owner in a written Change Order but not listed in the above Proposal will be provided at the supplier's invoice plus 10 %.

List items to be performed by CONTRACTOR's own forces and the estimated percent of the Total Lump Sum Base Bid and any Additive Alternates.

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

REVISED SCHEDULE OF VALUES SHEET

Line					
1	**City of Key West / Rest Beach - 702 LF Seawall w/ Concrete Cap**				**Jan-18**
2	**Description**	**Quantity ***	**Units**	**Unit Price**	**Amount**
3					
4	***Direct Cost***				
5	**General - Seawall**				
6	Staging Area (provided by City of Key West)	1	LS		
7	Temporary Construction Fencing (6' High, 12' Sections of Chain Link with Wind Screen & Sandbags)	756	LF		
8	Erosion & Sediment Control	1	LS		
9	General Site Preparation & M.O.T.	1	LS		
10	Demo - sidewalks, slabs, wooden decks	22	SF		
11	Site Excavation	15	CY		
12	Beach Quality Fill	100	CY		
13	EZ-95 Steel Sheet Piling (12' long, A-572 including freight)	702	LF		
14	Steel Sheet Piling installation (shore driven)	702	LF		
15	Concrete - Cap, 6,000 PSI, Ext. Aggressive Env., with forms, installed with FDOT Class 5 Finish Coating	118	CY		
16	Rebar - #5, 1.043# per FT, 390 pieces at 20' each = 7800 LF = 8,150 LB, A615, Grade 60	7,800	LF		
17	Rebar - #3, Stirrups, 0.668# per FT, 940 pieces each 6ft = 5,640 LF @ 9-in OC, Grade 60	940	EA		
18	Rebar - #5, 1.043# per FT, 75 corner bar pieces at 10' each = 750 LF = 785 LB, A615, Grade 60	75	EA		
19	Concrete between sheet piling and concrete ramp (34ft long * 1.5ft deep * 2ft wide)	4	CY		
20	Concrete for steps, landing pad, and fill between sheetpile (= 7'x4'x4' + 7'x4'x0.33' + 28'*3'*4')	17	CY		
21	Rebar for steps & fill between sheetpile - #5, A615, Grade 60	444	LF		
22	FDOT Aluminum Handrail	35	LF		
23	Sidewalk (includes 36 sf section to be repaired)	1,685	SF		
24	Post & Rope Fence	740	LF		
25	10ft x 10ft Covered Pavilion w/ Concrete Pad & Thickened Edges	1	LS		
26	Landscaping - 4,064 plants on planting plan (1 gallon ea)	4,064	EA		
27	Landscaping - remove and replace, protect and trim or relocate existing trees as indicated in January 16 Updated Staff Report.	1	LS		
28	Sod	16,750	SF		
29	Testing - Allowance for Concrete	1	LS		
30	Vibration Monitoring - during pile driving operations between Stations 0+00 - 0+53 and 6+50 - 6+92	1	LS		
31	Site Restoration (including sidewalk and other impacts)	1	LS		
32	**Bid Options**				
33	Steel Sheet Pile Meets ASTM A690 Specification for Corrosion Resistance in Marine Environments	702	LF		
34	Coal Tar Epoxy Coating: 16 Mils DFT after a Near White Sand Blast; Coated Full Length All Sides	22,649	SF		
35	Steel Sheet Pile Points (materials only)	337	EA		
36	Cutting & Installing Points to Sheet Pile	337	EA		
38					
39	Direct Cost, Base Bid (Lines 6-31, Inclusive)			**Direct Cost**	
40					
41	***Contractor Cost***				
42	FOOH & HOOH (Overhead) Combined		LS		
43	Mobilization/ Demobilization		LS		
44	Bonds, Permits & Insurance		LS		
45	**Direct + Contractor Cost**				
46	*** Quantities provided for information only, Bidder responsible for verifying all values.**				
47	Prepared by: JWD, MRB				

Approved Replacement Palm List

Cocos nucifera	**Coconut Palm** Tall, moderate growth with heavy crown, full sun, salt and drought tolerant
Coccothrinax argentata	**Silver Palm** Small, slow growing, fan leaf, drought tolerant
Pseudophoenix sargentii	**Buccaneer Palm** Medium, slow growing, feather leaf, salt and drought tolerant
Roystonea regia	**Royal Palm** Tall, moderate to fast growing, feather leaf, moderate salt and drought tolerant
Sabal palmetto	**Cabbage Palm** Medium to tall, slow growing, salt and drought tolerant
Thrinax morrisii	**Keys Brittle Thatch Palm** Medium, slow growing, moderate salt and drought tolerant
Thrinax radiata	**Florida Thatch Palm** Medium, slow to moderate growing, salt and drought tolerant

Replacement palms must be 4 ft tall (measured from the ground to top of frond). A palm who is 8 ft tall can count for 2 replacement palms.

Any questions, please contact (305) 809-3768.

CITY OF KEY WEST DICOT TREE REPLACEMENT LIST

***Highlighted in Blue are State Listed Endangered or Threatened trees and qualify for the 2 for 1 caliper inch replacement credit. This credit does not apply to emergency permits that require a one or two tree replacement.**

Canopy and Subcanopy Trees:

Acacia choriophylla	Cinnecord/Tamarindillo
Acacia farnesiana	Sweet or Pine Acacia
Acacia macracantha	Long-spine Acacia
Amphitecna latifolia	Black Calabash
Amyris elemifera	Torchwood
Annona glabra	Pond Apple
Ardisia escallonioides	Marlberry
Ateramnus lucidus	Crabwood
Bourreria cassinifolia	Little Strongbark
Bourreria ovata	Strongbark
Bourreria radula	Rough Strongbark
Bumelia celastrina	Saffron Plum
Bumelia salicifolia	Willow Bustic
Bursera simaruba	Gumbo Limbo
Byrsoniama lucida	Locust berry
Calyptranthes pallens	Spicewood/Pale Lidflower
Calyptranthes zuzygium	Myrtle-of-the-river
Canella winterana	Wild Cinnamon
Capparis cynophallophora	Jamaica Caper
Capparis flexuosa	Limber Caper
Casasia clusiifolia	Seven Year Apple
Cassia chapmanii	Bahama Senna
Cassia keyensis	Key Cassia
Chiococca alba	Common Snowberry
Chiococca parvifolia	Pineland Snowberry
Chrysobalanus icaco	Cocoplum
Chrysophyllum oliviforme	Satin Leaf
Clusia rosea	Pitch Apple
Citharexylum fruticosum	Fiddlewood
Coccoloba diversifolia	Pigeon Plum
Colubrina arborescens and cubensis	Greenheart/Colubrina
Colubrina elliptica	Soldierwood
Conocarpus erectus	Green Buttonwood
Conocarpus erectus var. sericeus	Silver Buttonwood
Cordia sebestena	Orange Geiger
Crossopetalum rhacoma	Rhacoma
Cupania glabra	Cupania
Dodonia viscosa	Varnish Leaf
Drypetes diversifolia	Milkbark
Drypetes lateriflora	Guiana Plum
Erithalis fruiticosa	Black Torch
Eugenia axillaries	White Stopper
Eugenia confusa	Redberry Stopper
Eugenia foetida	Spanish Stopper
Eugenia rhombea	Red Stopper

CITY OF KEY WEST DICOT TREE REPLACEMENT LIST

***Highlighted in Blue are State Listed Endangered or Threatened trees and qualify for the 2 for 1 caliper inch replacement credit. This credit does not apply to emergency permits that require a one or two tree replacement.**

Exostema caribaeum	**Princewood**
Exothea paniculata	**Inkwood**
Ficus aurea	**Strangler Fig**
Ficus citrifolia	**Shortleaf Fig**
Forestiera segregata	**Florida Privet**
Guaiacum officinale	**Cuban Lignum Vitae**
Guaiacum sanctum	**Lignum Vitae**
Guapira discolor	**Blolly**
Guettarda elliptical	**Velvetseed**
Guettarda scabra	**Rough Velvetseed**
Gyminda latifolia	**West Indian False Boxwood**
Hamelia patens	**Firebush**
Hypelate trifoliata	**Inkwood/White Ironwood**
Ilex cassine dahoon	**Dahoon Holly**
Jacquinia keyensis	**Joewood**
Krugiodendron ferreum	**Black Ironwood**
Lysiloma latisiliquum	**Wild Tamarind**
Manilkara bahamensis	**Wild Dilly**
Mastichodendron foetidissimum	**Mastic Tree**
Myrica cerifera	**Wax myrtle**
Myrcianthes fragans/ Eugenia simpsonii	**Simpson's Stopper**
Myrsine floridana	**Myrsine**
Nectandra coriacea	**Lancewood**
Pimenta dioica	**Allspice**
Pimeta racemose	**Bay Rum**
Pinus elliottii var. densa	**Dade County Slash Pine**
Piscidia piscipula	**Jamaica Dogwood**
Pisonia rotundata	**Devil's Smooth Claws**
Pithecellobium keyense	**Blackbead**
Psidium longipes	**Long-stalked Stopper**
Randia aculeata	**White Indigo berry/Randia**
Reynosia septentrionalis	**Darling Plum**
Sapindus saponari	**Soapberry**
Savia bahamensis	**Bahama Maidenbush**
Schaefferia frutescens	**Florida Boxwood**
Schoepfia chrysophylloides	**Graytwig**
Simarouba glauca	**Paradise Tree**
Suriana maritima	**Baycedar**
Swietenia mahagoni	**Mahogany**
Trema lamarckianum	**West Indies Trema**
Trema micranthum	**Florida Trema**
Ximenia americana	**Hog Plum**
Zanthoxylum fagara	**Wild Lime**
Zanthoxylum flavum	**Yellow-heart**

CITY OF KEY WEST DICOT TREE REPLACEMENT LIST

***Highlighted in Blue are State Listed Endangered or Threatened trees and qualify for the 2 for 1 caliper inch replacement credit. This credit does not apply to emergency permits that require a one or two tree replacement.**

Heritage Canopy Trees:

Delonix regia	**Royal Poinciana**
Manilkara zapota	**Sapodilla**
Melicoccus bijugatus	**Spanish Lime**

Fruit Trees:

Annona muricata	**Soursop**
Annona squamosal	**Sugar Apple**
Averrhoa carambola	**Starfruit**
Citrus aurantifolio	**Key Lime**
Citrus sp.	**Sour Orange**
Mangifera indica	**Mango**
Persea americana	**Avocado**
Pouteria sapota	**Mamey Sapote**
Psidium guajava	**Guava**
Tamarindus indica	**Tamarind**

**** contact Urban Forestry Manager to discuss approval of additional fruit tree replacement plant species**

Flowering Trees:

Bulnesia arborea	**Verawood**
Cassia fistula	**Golden Shower tree**
Cassia javanica	**Apple Blossom tree**
Cassia bakeri and grandis	**Pink Shower tree**
Plumeria sp.	**Frangipani**
Tabebuia aurea	**Silver Trumpet Tree (yellow flowers)**
Tabebuia bahamensis	**Bahamian Trumpet Tree/Five Fingers**

NOTE: Replacement trees must be a minimum of 5 feet in height (measured from the ground to top of branch/trunk).

Updated STAFF REPORT

DATE: January 16, 2018

RE: **1300 Atlantic Boulevard (C.B. Harvey Rest Beach Park)**
(permit application # T17-8522)

FROM: Karen DeMaria, City of Key West Urban Forestry Manager

Tree #2B: Buttonwood (Conocarpus erectus)

Heavy trim this tree if needed.

TREE #4: Thatch Palm (Thrinax sp.)

Transplant tree if needed.

Tree #34B: Cabbage Palm (Sabal palmetto)

Heart of this palm is still alive—new growth is green. Transplant tree.

Tree #34: Coconut Palm (Cocos nucifera)

Transplant tree.

Tree #48A: Blackbead (Pithecellobium keyense)

Tree was initially supposed to be transplanted. Appears to have some significant hurricane damage. Needs to be re-evaluated. If removed (emergency approval), 1-8ft tall tree minimum 1" diameter from approved list will have to be planted as a replacement.

Tree #48: Baycedar (Suriana maritima)

Tree approved for removal. If removed, 6.2 caliper inches of approved replacement trees are required.

Tree #58: Thatch Palm (Thrinax sp.)

Transplant.

Tree #61, 62A & B, and 63: Thatch Palm (Thrinax sp.)

All of these palms to be transplanted.

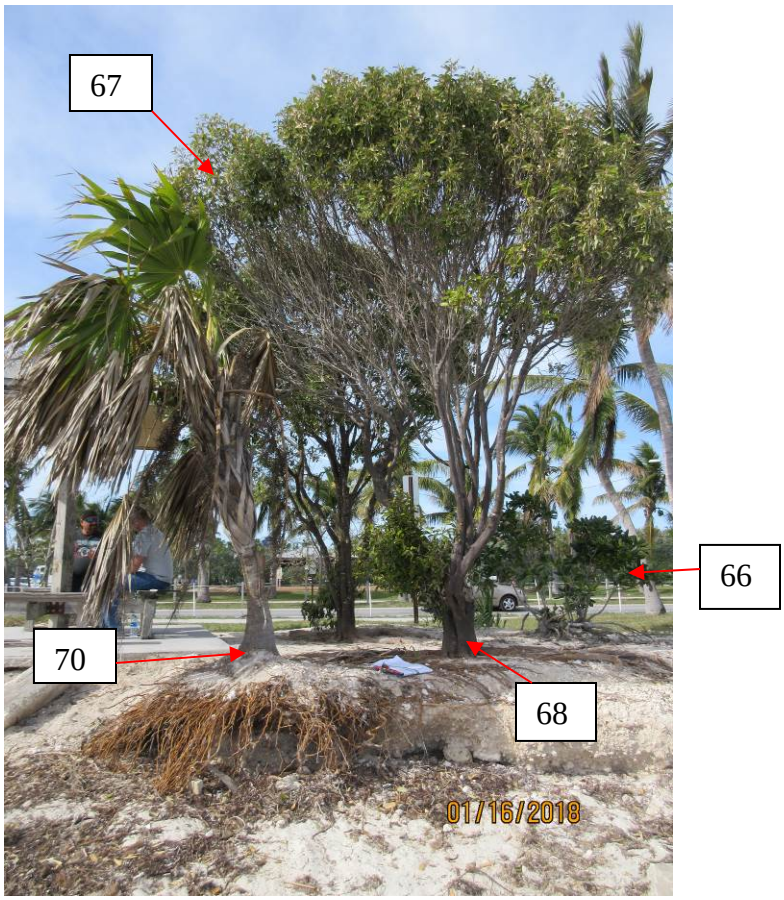
Tree #66: Seven Year Apple (Casasia clusiifolia)

Tree originally approved for removal with required replacements. Large portion of tree removed in hurricane. Tree is now a shrub-no permit required for removal and no replacements required.

Tree #67: Jamaican Caper (Capparis cynophallophora)

Tree approved for removal. If removed, required replacements are 11.3 caliper inches of approved trees.

Tree #68: Jamaican Caper (Capparis cynophallophora)



Tree approved for removal. If removed, 13.4 caliper inches of approved replacement trees required.

Tree #70: Thatch Palm (Thrinax sp.)

Tree originally approved for transplanting. Palm is dying-the heart appears to be dead. If confirmed as dead, no replacements required for removal.

Tree #86: Thatch Palm (Thrinax sp.)

Palm to be transplanted.

Tree #106:

Tree to be trimmed, if needed.

FINAL SYNOPSIS: Approved Actions.

Trim Only: Trees 2B and 106 (both trees have had some trimming already done).

Tree Removal: Trees 48, 48A, 66, 67, and 68. Requires a total of 30.9 caliper inches of approved tree replacement plus 1-8ft tall tree, minimum 1" diameter.

Palm Removal: Tree 70. Required replacement of 1-4ft tall palm tree from approved list.

Palm Transplants: Trees 4, 34, 34B, 58, 61, 62A-B, 63, and 86.

No permits will be issued for the project until a specific tree removal/transplantation/maintenance trimming plan has been submitted to the Urban Forester.

Any transplants or trimming work to the trees must be done by professionals in that field.

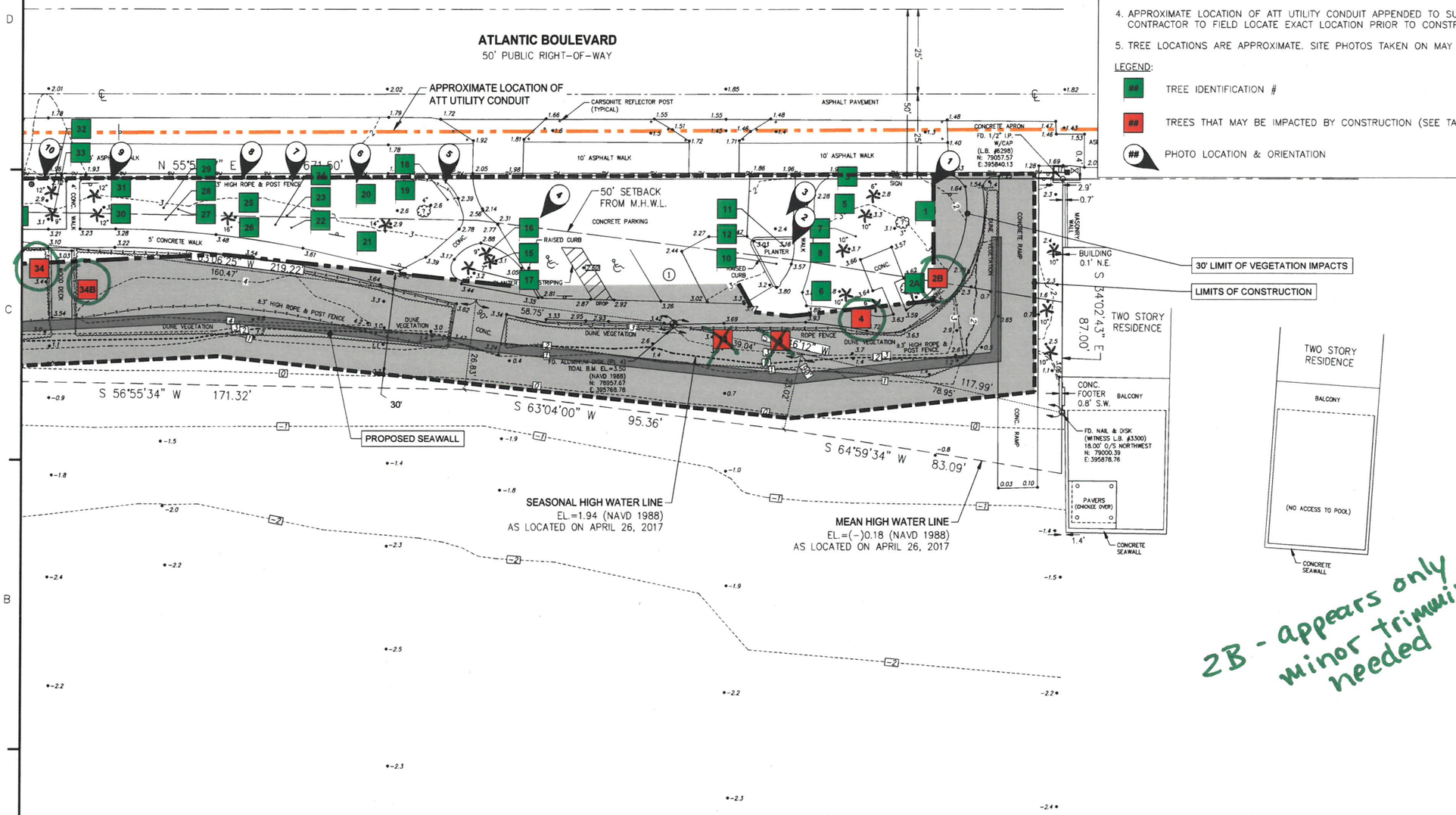
1-16-18 KD

NOTES:

1. SITE SURVEY PERFORMED BY AVIROM & ASSOCIATES INC. ON APRIL 26, 2017.
2. ALL ELEVATIONS ARE REFERENCED TO NAVD88. NGVD29 = 1.35' + NAVD88.
3. HORIZONTAL COORDINATES, WHERE DEPICTED, ARE REFERENCED TO NAD83, FLORIDA STATE PLANE, EAST ZONE.
4. APPROXIMATE LOCATION OF ATT UTILITY CONDUIT APPENDED TO SURVEY. CONTRACTOR TO FIELD LOCATE EXACT LOCATION PRIOR TO CONSTRUCTION.
5. TREE LOCATIONS ARE APPROXIMATE. SITE PHOTOS TAKEN ON MAY 31, 2017.

LEGEND:

- ## TREE IDENTIFICATION #
- ## TREES THAT MAY BE IMPACTED BY CONSTRUCTION (SEE TABLE)
- ## PHOTO LOCATION & ORIENTATION



2B - appears only minor trimming needed

SCHEDULE OF TREES THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES				
TREE #	TYPE	HEIGHT (FT)	DBH (INCHES)	MITIGATION PLAN
2B	BUTTONWOOD	---	15"	PROTECT & TRIM
4	THATCH PALM	---	6"	RELOCATE
9	SEA GRAPE	---	17"	REMOVE & REPLACE
13	SEA GRAPE	---	13"	REMOVE & REPLACE
34	COCONUT PALM	20	---	RELOCATE
34B	SABAL PALM	4	---	RELOCATE

GRAPHIC SCALE
15 0 7.5 15 30
(IN FEET)

FOR BID PURPOSES ONLY - NOT FOR CONSTRUCTION

MICHAEL R. BARNETT, PE
FL LIC. # 44625

Mark	Description	Date	App
0	ISSUED FOR BID	8/2/17	MB

Designed by: M. BARNETT
Drawn by: J. DAVIS
Checked By: R. CZLAPINSKI
Reviewed By: M. BARNETT
Design file no: WRB_C-106_DIGIMO_PRES_17NOV27.DWG
Scale: AS SHOWN

TETRA TECH INC.
759 SOUTH FEDERAL HWY
SUITE 114
STUART, FL 34994-2936
TEL: (772) 781-3400
FAX: (772) 781-3411
CERTIFICATE OF AUTHORIZATION NO. 2428

CITY OF KEY WEST
REST BEACH SEAWALL
EXISTING TREES (2 of 2)
KEY WEST, MONROE COUNTY, FL

Sheet Reference:
C-105
Sheet 7 of 23

Trees already reviewed by Tree Commission circled in green.

1-16-18 KD

NOTES:

1. SITE SURVEY PERFORMED BY AVIROM & ASSOCIATES INC. ON APRIL 26, 2017.
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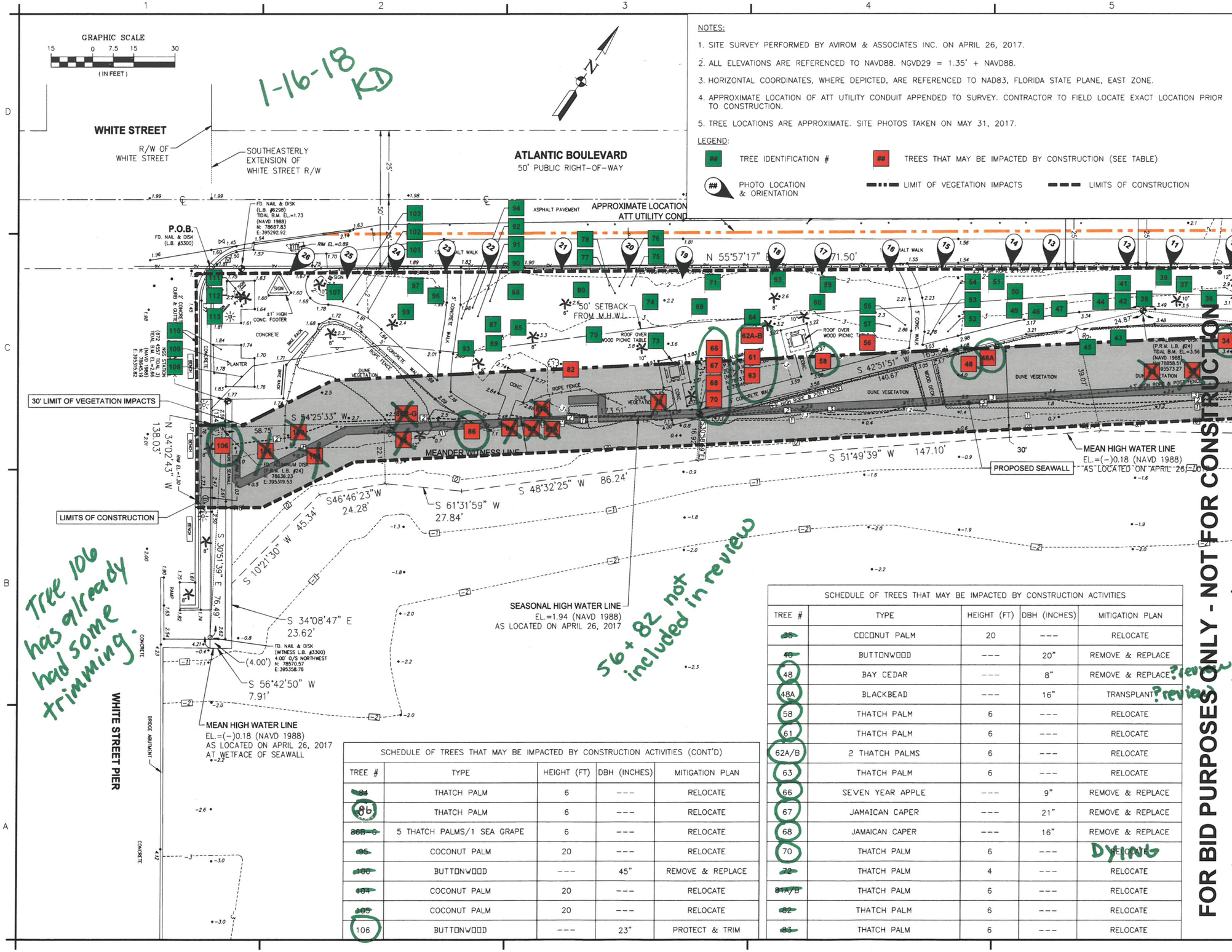
3. HORIZONTAL COORDINATES, WHERE DEPICTED, ARE REFERENCED TO NAD83, FLORIDA STATE PLANE, EAST ZONE.
4. APPROXIMATE LOCATION OF ATT UTILITY CONDUIT APPENDED TO SURVEY. CONTRACTOR TO FIELD LOCATE EXACT LOCATION PRIOR TO CONSTRUCTION.
5. TREE LOCATIONS ARE APPROXIMATE. SITE PHOTOS TAKEN ON MAY 31, 2017.

LEGEND:

- ## TREE IDENTIFICATION #
- ## TREES THAT MAY BE IMPACTED BY CONSTRUCTION (SEE TABLE)
- ## PHOTO LOCATION & ORIENTATION
- LIMIT OF VEGETATION IMPACTS
- LIMITS OF CONSTRUCTION



SCHEDULE OF TREES THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES (CONT'D)

TREE #	TYPE	HEIGHT (FT)	DBH (INCHES)	MITIGATION PLAN
~~84~~	THATCH PALM	6	---	RELOCATE
86	THATCH PALM	6	---	RELOCATE
~~86B-G~~	5 THATCH PALMS/1 SEA GRAPE	6	---	RELOCATE
~~95~~	COCONUT PALM	20	---	RELOCATE
~~100~~	BUTTONWOOD	---	45"	REMOVE & REPLACE
~~104~~	COCONUT PALM	20	---	RELOCATE
~~105~~	COCONUT PALM	20	---	RELOCATE
106	BUTTONWOOD	---	23"	PROTECT & TRIM

SCHEDULE OF TREES THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES

TREE #	TYPE	HEIGHT (FT)	DBH (INCHES)	MITIGATION PLAN
~~35~~	COCONUT PALM	20	---	RELOCATE
~~46~~	BUTTONWOOD	---	20"	REMOVE & REPLACE
48	BAY CEDAR	---	8"	REMOVE & REPLACE ? review
48A	BLACKBEAD	---	16"	TRANSPLANT ? review
58	THATCH PALM	6	---	RELOCATE
61	THATCH PALM	6	---	RELOCATE
62A/B	2 THATCH PALMS	6	---	RELOCATE
63	THATCH PALM	6	---	RELOCATE
66	SEVEN YEAR APPLE	---	9"	REMOVE & REPLACE
67	JAMAICAN CAPER	---	21"	REMOVE & REPLACE
68	JAMAICAN CAPER	---	16"	REMOVE & REPLACE
70	THATCH PALM	6	---	RELOCATE Dying
~~72~~	THATCH PALM	4	---	RELOCATE
~~81A/B~~	THATCH PALM	6	---	RELOCATE
~~82~~	THATCH PALM	6	---	RELOCATE
~~83~~	THATCH PALM	6	---	RELOCATE

FOR BID PURPOSES ONLY - NOT FOR CONSTRUCTION

Trees already reviewed by Tree Commission circled in green.

MICHAEL R. BARNETT, PE
FL LIC. # 44625

Mark	Description	Date	App
0	ISSUED FOR BID	8/1/17	MB

Designed by: M. BARNETT
Drawn by: J. DAVIS
Checked By: R. CZLAPINSKI
Reviewed By: M. BARNETT
Approved By: M. BARNETT
Design file no: KWB_C-104_EXISTING_TREES_(1of2).DWG
Scale: AS SHOWN

TETRA TECH INC.
759 SOUTH FEDERAL HWY
SUITE 114
STUART, FL 34994-2936
TEL: (772) 781-3400
FAX: (772) 781-3410
CERTIFICATE OF AUTHORIZATION NO. 2422

CITY OF KEY WEST
REST BEACH SEAWALL
EXISTING TREES (1 of 2)
KEY WEST, MONROE COUNTY, FL

Sheet Reference:
C-104
Sheet 6 of 23