

# CITY OF KEY WEST

## KEY WEST BIGHT SHORELINE PROTECTION

MONROE COUNTY, FLORIDA  
 STANTEC PROJECT NO. 215611872  
 ITB# 020-16

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MAYOR & COMMISSION:

- Craig Cates, Mayor
- Jimmy Weekley, Commissioner
- Samuel Kaufman, Commissioner
- Billy Wardlow, Commissioner
- Richard Payne, Commissioner
- Margaret Romero, Commissioner
- Clayton Lopez, Commissioner

City Manager: James Scholl

LOCATION MAP  
 Scale: 1"=300'



.....APPROVALS.....			
AGENCY	SUBMITTAL DATE	APPROVAL DATE	PERMIT NUMBER



901 Ponce de Leon Blvd. Suite 900  
 Coral Gables, Florida, 33134  
 Tel. 305-445-2900  
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APRIL 2016

APPROVED BY

CARLOS M. HERDOCIA  
 REGISTERED ENGINEER NO. 47660  
 STATE OF FLORIDA

# GENERAL NOTES

1. GOVERNING SPECIFICATIONS: STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2016 AND THE SUPPLEMENTS THERETO.
2. CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS DATED JANUARY, 2016.
3. ALL STATIONS AND OFFSETS ARE REFERENCED TO BASELINE OF CONSTRUCTION.
4. THE FINISHED ROADWAY SECTION SHALL BE SMOOTH AND SET TO DRAIN.
5. EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION USING A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
6. ANY MAILBOX WITHIN THE LIMITS OF CONSTRUCTION IS TO BE TAKEN DOWN AND RESET IN ACCORDANCE WITH POSTAL REQUIREMENTS BY THE CONTRACTOR.
7. B.M. DATA IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD -'29).
8. ANY NGVD - 1929 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTIFY:  
  
 GEODETIC INFORMATION CENTER  
 ATTEN: MARK MAINTENANCE SECTION N/CG-162  
 6001 EXECUTIVE BLVD.  
 ROCKVILLE, MARYLAND 20852  
 TELEPHONE NO. (301) 443-8319
9. THE EXACT LOCATIONS OF PROPOSED SWALES, BACK SLOPE LINES AND LIMITS OF CONSTRUCTION WILL BE IN ACCORDANCE WITH THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
10. ALL DISTURBED R/W SHALL BE STABILIZED WITH #57 ROCK.
11. THE CONTRACTOR WILL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO, OR BETTER THAN THAT NOW EXISTING.
12. ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES, PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT.  
  
 THE CONTRACTOR SHALL PROVIDE 30-DAY WRITTEN NOTICE PRIOR TO REMOVAL OF ANY EXISTING LANDSCAPING, FENCING, ETC. LOCATED WITHIN CITY RIGHT-OF-WAY. SHOULD THE MATERIAL NOT BE REMOVED WITHIN THE 30-DAY PERIOD, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE ELEMENTS IN A LEGAL AND PROPER MANNER.
13. THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE APPLICABLE FDOT INDEX NUMBERS (600 SERIES) AND THESE DOCUMENTS; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION, FHWA), SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS. PEDESTRIAN AND VEHICULAR TRAFFIC SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES.
14. THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY; THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY
15. THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT COMPANY REPRESENTATIVE CAN BE PRESENT.

16. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES, UNDERGROUND UTILITIES.
17. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH CHAPTER 556 OF FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY.
18. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
19. THE CONTRACTOR SHALL CALL SUNSHINE (1/800-432-4770) FOR FIELD LOCATIONS 48 HOURS BEFORE DIGGING NEAR UNDERGROUND UTILITIES.
20. KNOWN UTILITIES:
 

COMCAST	USIC DISPATCH	800-778-9140
KEYS ENERGY SERVICES	MARIA ABREU	(305) 295-1042
FLORIDA KEYS AQUEDUCT AUTHORITY	DINA CAMPO	(305) 809-2541
KEY WEST PIPELINE COMPANY	DAN SILVESTRO	(305) 294-4812
OPERATIONS MANAGEMENT INT.	MICHAEL MARTINEZ	(305) 292-5133
AT&T DISTRIBUTION	USIC DISPATCH CNTR	(800) 778-9140
21. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY WITHOUT APPROVAL FROM THE OWNER.
22. NO EXISTING BASE MATERIAL REMOVED IN EXCAVATION SHALL BE REUSED AS PROPOSED BASE MATERIAL.
23. EROSION CONTROL MEASURES SHALL BE TAKEN BY CONTRACTOR DURING CONSTRUCTION AS PER FDOT STANDARD INDEX #102:
  - A. SILT FENCE SHALL BE INSTALLED ALONG THE ENTIRE PERIMETER OF THE PROJECT ADJACENT TO ANY SOIL DISTURBING ACTIVITIES.
  - B. ALL FENCING, GRADING, SIGNING AND SODDING SHALL BE MAINTAINED DURING THE CONTRACT LIFE. ALL DAMAGED WORK SHALL BE RESTORED AT NO COST TO THE CITY.
24. TO FACILITATE HARMONIZATION OF ADJACENT PARCELS LOCATED THROUGHOUT THE VARIOUS CORRIDORS, THE CITY WILL OBTAIN LICENSE/ RIGHT OF ENTRY AGREEMENTS FROM PROPERTY OWNERS LOCATED ALONG THE CORRIDOR. THE CONTRACTOR SHALL OBTAIN THESE WRITTEN AGREEMENTS FROM THE CITY PRIOR TO INITIATING WORK REQUIRED BEYOND THE EXISTING RIGHT OF WAY.

PEDESTRIAN ACCESS

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, AND AWAY FROM THE CONSTRUCTION SITE.
26. THE SAFETY OF PEDESTRIAN TRAFFIC SHALL BE CONSIDERED AT ALL TIMES IN THE PROVISIONS OF TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS AND NOTES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE LIGHTS, SIGNS, BARRICADES, AND OTHER WARNINGS TO PHYSICALLY SEPARATE THE PEDESTRIAN FROM HAZARDS INCIDENTAL TO THE CONSTRUCTION OPERATIONS SUCH AS OPEN EXCAVATIONS, ETC. AT ALL TIME, THE PEDESTRIAN MOT SHALL BE SUBJECT TO THE APPROVAL OF THE CITY.

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Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

Seal

CARLOS M. HERDOCIA, P.E.  
REGISTERED ENGINEER NO. 47660  
STATE OF FLORIDA

Consultants

## Stantec

901 Ponce de Leon Blvd, Suite 900  
Coral Gables, Florida 33134  
www.stantec.com

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CITY OF KEY WEST  
KEY WEST BIGHT SHORELINE PROTECTION  
Key West, Florida

File Name:	DS	SC	DS	14.01.31
	Dan.	Chkd.	Dsgn.	YY.MM.DD

<b>SHORELINE PROTECTION</b>	
Project No. 215611872	Scale <b>SEE PLANS</b>
Drawing No. <b>C2</b>	Sheet of <b>8</b>
Revision	Revision



**EXCAVATION NOTES:**

- EXCAVATION TO INCLUDE REMOVAL OF EXISTING RIP-RAP. SEE NOTE 01 FOR DETAILS.
- EXCAVATION TO BE CONDUCTED FROM ADJACENT UPLANDS.
- FOLLOWING EXCAVATION, FILTER CLOTH TO BE INSTALLED FROM UPLANDS.
- EXISTING RIP-RAP THEN REPLACED ALONG WITH NEW REPAIR RIP-RAP TO COMPLETE PROJECT. SEE NOTE 02 FOR DETAILS.

SITE SURVEY INFORMATION FROM:  
 REECE & WHITE LAND SURVEYING INC.  
 127 INDUSTRIAL ROAD  
 BIG PINE KEY, FL 33043  
 FIELD WORK DATE: JANUARY 6, 2014  
 REVISION DATED: JANUARY 21, 2014  
 SIGNED AND SEALED BY:  
 ROBERT E. REECE LS 5632

BEARING BASE:  
 THE BASELINE OF SURVEY  
 AT N09°34'20"E AS ASSUMED

ALL ANGLES DEPICTED  
 ARE 90 DEGREES UNLESS  
 OTHERWISE INDICATED

ELEVATIONS SHOWN AS  
 XXX REFER TO NGVD29  
 VERTICAL DATUM

BENCHMARK USED: PID AA0008  
 STAMPING: 14.924  
 MARK LOGD: CGS  
 ELEV.: 14.32'; NGVD29

**SURVEYOR'S NOTES:**

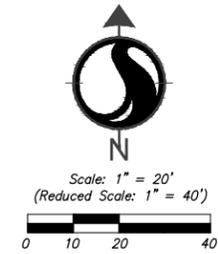
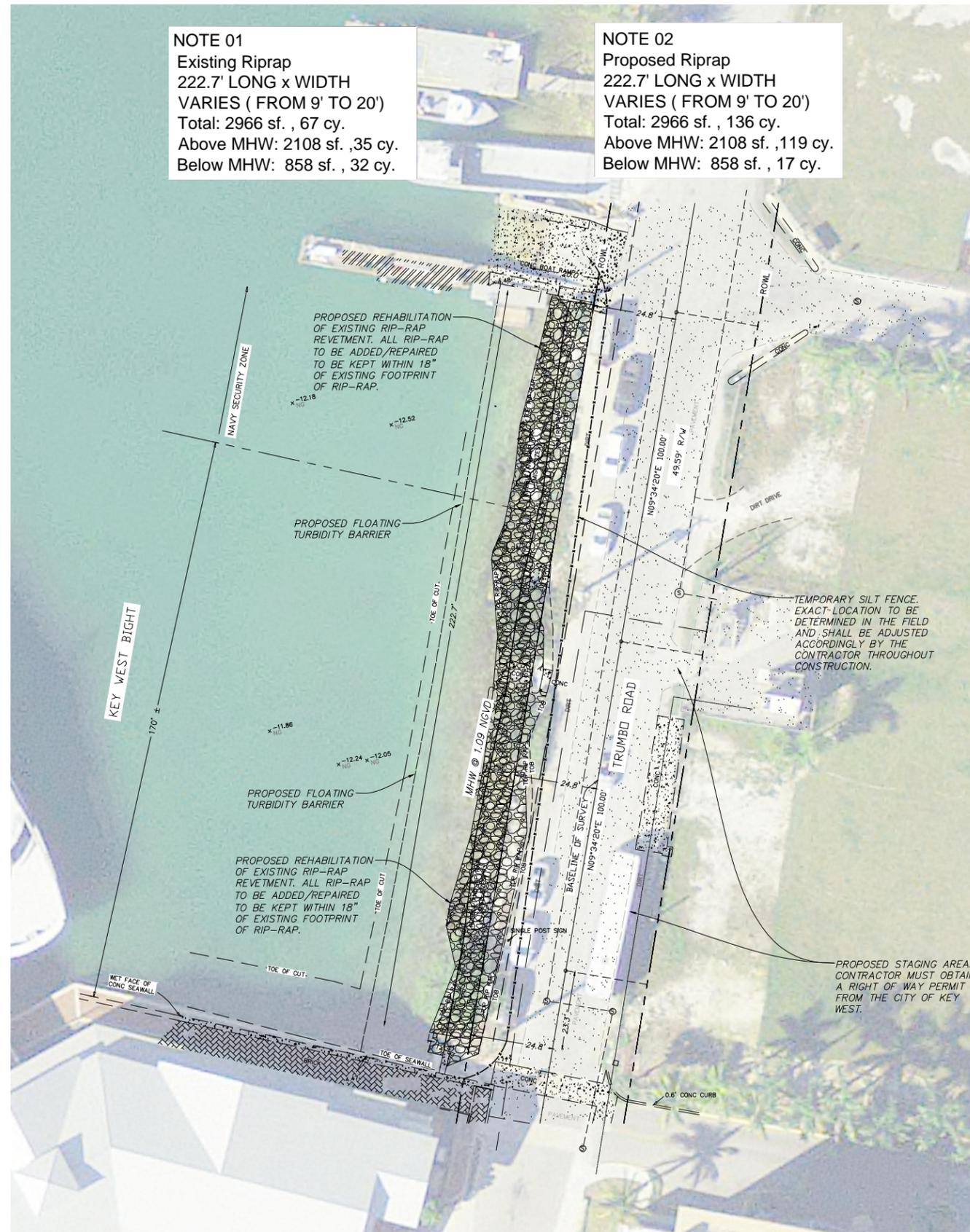
- RIGHT-OF-WAY SHOWN HEREON BASED ON FIELD MONUMENTATION FOUND AND 49.59' R/W FOR TRUMBO ROAD PER STEAMPLANT CONDD DOCS BK 2402, PGS 1-220
- SETBACK FOR 'NAVY SECURITY ZONE' PROVIDED BY STANTEC

NOTE: MEASURED DIMENSIONS EQUAL PLATTED OR DESCRIBED DIMENSIONS UNLESS INDICATED OTHERWISE. FOUNDATIONS BENEATH THE SURFACE ARE NOT SHOWN. THE FOLLOWING IS A LIST OF ABBREVIATIONS THAT MAY BE FOUND ON THIS SHEET.

BFP = BACK-FLOW PREVENTER	FI = FENCE INSIDE	PI = POINT OF INTERSECTION	TOB = TOP OF BANK
BO = BLOW OUT	FL = FLOW LINE	PK = PARKER KALON NAIL	TOS = TOE OF SLOPE
C = CALCULATED	FND = FOUND	PM = PARKING METER	TS = TYPICAL SUR
C&G = 2" CONCRETE CURB & GUTTER	FND&D = FOUND NAIL & DISK (80000)	POB = POINT OF BEGINNING	TP = TYPICAL
CB = CONCRETE BLOCK	FNS = FENCE OUTSIDE	POC = POINT OF COMMENCEMENT	UPC = CONCRETE UTILITY POLE
CBW = CONCRETE BLOCK WALL	FOL = FENCE ON LINE	PRC = POINT OF REVERSE CURVE	UPM = WOOD UTILITY POLE
CBRW = CONCRETE BLOCK RETAINING WALL	GB = GRADE BREAK	PRM = PERMANENT REFERENCE MONUMENT	UR = WOOD BOX
CI = CURB INLET	GL = GROUND LEVEL	PT = POINT OF TANGENT	WD = WOOD DECK
CL = CENTERLINE	GR = GATE	R = RADIUS	WF = WOOD FENCE
CLF = CHAINLINK FENCE	GR = GROUND LEVEL	ROL = ROOF OVERHANG LINE	WL = WOOD LANDING
CM = CONCRETE MONUMENT	GR = GROUND LEVEL	ROWL = RIGHT OF WAY LINE	WM = WATER METER
CONC = CONCRETE	GR = GROUND LEVEL	R/W = RIGHT OF WAY	WRACK LINE = LINE OF DEBRIS ON SHORE
C/S = CONCRETE SLAB	GR = GROUND LEVEL	SCD = SANITARY CLEAN-OUT	WV = WATER VALVE
CWD = CONCRETE	GR = GROUND LEVEL	SEAD = SET NAIL & DISK LB 7846	T = TREE
D = DEED	GR = GROUND LEVEL	SEI = SET IRON ROD 1/2 LB 7846	TBW = BUTTWOOD
DEASE = DRAINAGE EASEMENT	GR = GROUND LEVEL	SLS = SANITARY LIFT STATION	TOL = TUMBO LIMBO
DELTA = DELTA ANGLE	GR = GROUND LEVEL	SMH = SANITARY MANHOLE	TMA = MAHOGANY
DMH = DRAINAGE MANHOLE	GR = GROUND LEVEL	SPV = SPRINKLER CONTROL VALVE	TPA = PALM
EB = ELECTRIC BOX	GR = GROUND LEVEL	SV = SEWER VALVE	TPC = COCONUT PALM
E = ELEVATION	GR = GROUND LEVEL	TS = TELEPHONE BOX	TRON = ROYAL PONCIANA
ELEV = ELEVATED	GR = GROUND LEVEL	TSB = TELEPHONE BOX	TSQ = SOBEFLORA
EN = ELECTRIC METER	GR = GROUND LEVEL	TBM = TIDAL BENCHMARK	TSG = SEAGRASS
ENCL = ENCLOSURE	GR = GROUND LEVEL	TMB = TELEPHONE MANHOLE	TUNK = UNKNOWN
ELEV = FINISHED FLOOR ELEVATION	GR = GROUND LEVEL	TNS = NOT TO SCALE	
FI = FIRE HYDRANT	GR = GROUND LEVEL	OVH = OVERHEAD WIRES	

**NOTE 01**  
 Existing Riprap  
 222.7' LONG x WIDTH  
 VARIES ( FROM 9' TO 20')  
 Total: 2966 sf. , 67 cy.  
 Above MHW: 2108 sf. ,35 cy.  
 Below MHW: 858 sf. , 32 cy.

**NOTE 02**  
 Proposed Riprap  
 222.7' LONG x WIDTH  
 VARIES ( FROM 9' TO 20')  
 Total: 2966 sf. , 136 cy.  
 Above MHW: 2108 sf. ,119 cy.  
 Below MHW: 858 sf. , 17 cy.



**NOTES:**

- ALL WORK TO BE CONDUCTED FROM ADJACENT UPLANDS ALONG TRUMBO ROAD.
- CONSTRUCTION TO FOLLOW FEDERAL STANDARD MANATEE CONDITIONS FOR IN-WATER WORK, SEA TURTLE AND SMALLTOOTH SAWFISH CONDITIONS, AND STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE.
- ALL WORK TO OCCUR WITHIN SOVEREIGN SUBMERGED LAND LEASE #440027185 DATED 12/08/2011
- ALL FILL MATERIAL STORED UPLAND AREA (INCLUDING ROCKS) MUST HAVE FENCE INSTALLED AROUND TO PREVENT WASH OUT MATERIAL INTO THE WATER.
- CONTRACTOR IS RESPONSIBLE OF REMOVAL OF ALL EXISTING RIP-RAP AND DEBRIS ENCOUNTERED AND PROPERLY DISPOSED OF ACCORDING TO CITY AND FEDERAL REGULATIONS. COST OF REMOVAL SHALL BE INCLUDED IN THE DEMOLITION LINE ITEM.



**CONSTRUCTION NOTE:**

Location of existing facilities as shown on construction drawings are from available records. The Engineer assumes no responsibility for the accuracy of the facilities shown or for any facility not shown. Verify the elevation, type of pipes and location of existing facilities prior to construction. If an existing facility is found to conflict with the proposed construction upon excavation the contractor shall immediately notify the engineer of record so that appropriate measures can be taken to resolve the problem. Contractor to notify Owner and Sunshine State One Call of Florida, Inc. @ 811 at Least Forty Eight (48) Hours Prior to Excavating. Evidence of such notice shall be furnished to Stantec prior to excavating.

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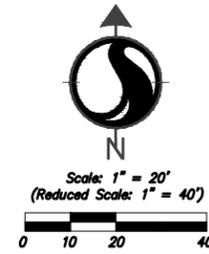
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CITY OF KEY WEST  
 KEY WEST BIGHT SHORELINE PROTECTION  
 Key West, Florida

File Name: DS SC DS 14.01.31  
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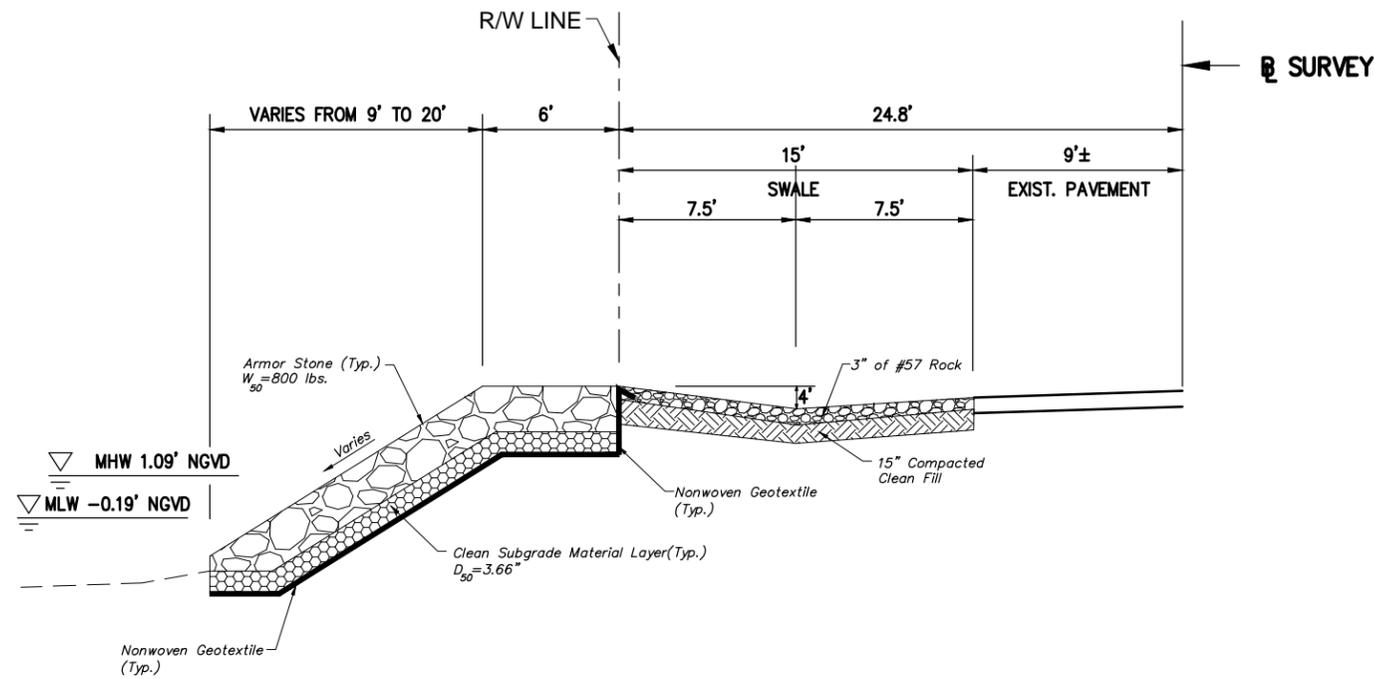
**GEOMETRY PLAN**

Project No. 215611872 Scale SEE PLANS  
 Drawing No. C4 Sheet of 8 Revision



Existing Riprap  
 222.7' LONG x WIDTH  
 VARIES ( FROM 9' TO 20')  
 Total: 2966 sf. , 67 cy.  
 Above MHW: 2108 sf. ,35 cy.  
 Below MHW: 858 sf. , 32 cy.

Proposed Riprap  
 Total: 2966 sf. , 136cy.  
 Above MHW: 2108 sf. ,119 cy.  
 Below MHW: 858 sf. , 17 cy.  
 See summary table

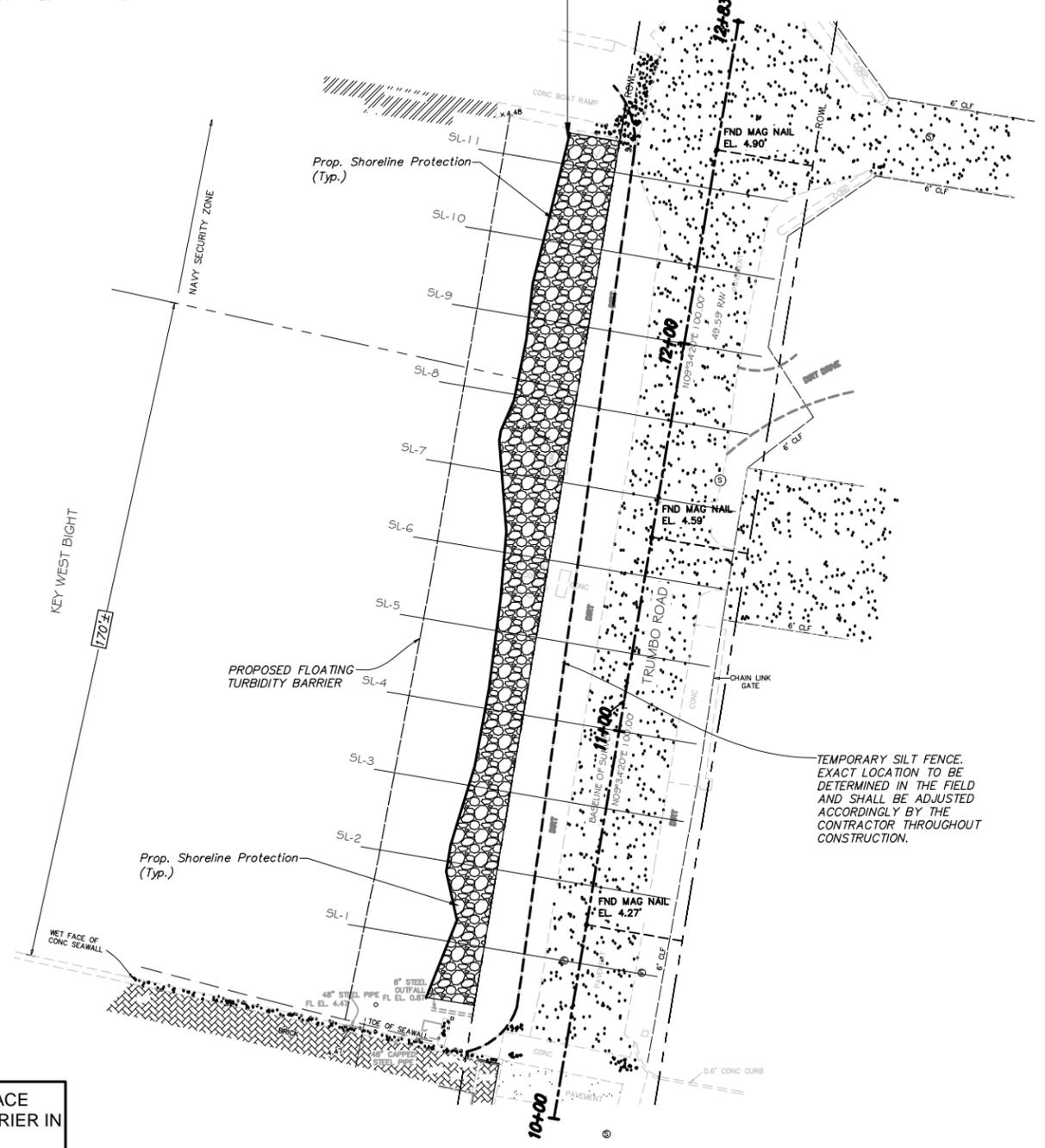


**SHORELINE PROTECTION TYPICAL SECTION**  
 N.T.S.

**SEQUENCE OF WORK:**

1. CAREFULLY REMOVE EXISTING RIPRAP USING EQUIPMENT FROM LANDSIDE.
2. PLACE FILTER FABRIC AND SECURE IT USING CLEAN SUBGRADE MATERIAL.
3. CAREFULLY PLACE EXISTING AND NEW RIPRAP AS REQUIRED TO MATCH SAME FOOTPRINT AS EXISTING RIPRAP.

**NOTE: ALL WORK SHALL TAKE PLACE FROM LAND WITH TURBIDITY BARRIER IN PLACE AS SHOWN ON SHEET C04**



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 Key West, Florida

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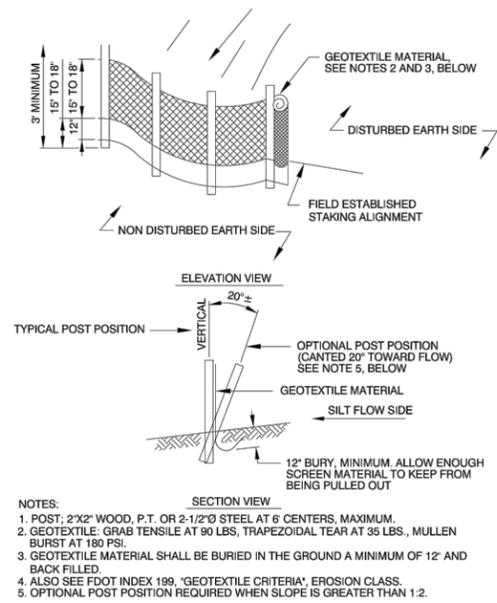
**SHORELINE PROTECTION**

Project No. 215611872 Scale SEE PLANS

Drawing No. C5 Sheet of 8 Revision

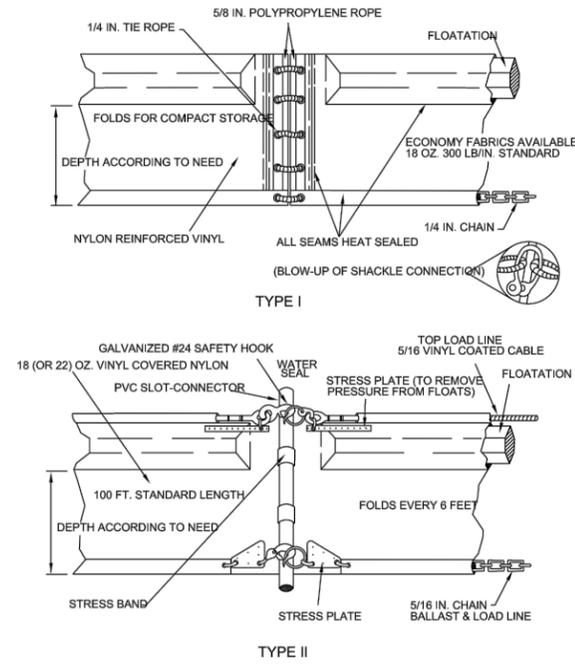




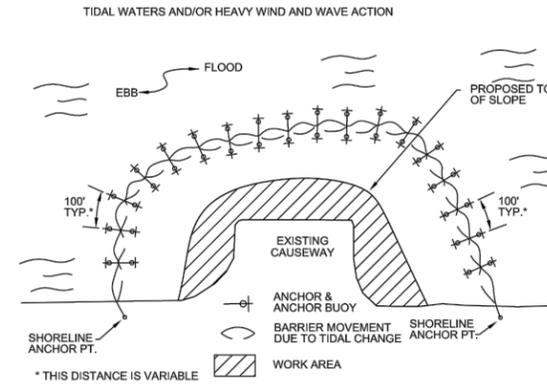


- NOTES:
1. POST: 2"x2" WOOD, P.T. OR 2-1/2"Ø STEEL AT 6' CENTERS, MAXIMUM.
  2. GEOTEXTILE: GRAB TENSILE AT 90 LBS., TRAPEZOIDAL TEAR AT 35 LBS., MULLEN BURST AT 180 PSI.
  3. GEOTEXTILE MATERIAL SHALL BE BURIED IN THE GROUND A MINIMUM OF 12" AND BACK FILLED.
  4. ALSO SEE FOOT INDEX 199, "GEOTEXTILE CRITERIA", EROSION CLASS.
  5. OPTIONAL POST POSITION REQUIRED WHEN SLOPE IS GREATER THAN 1:2.

1 Staked Silt Barrier Fence Detail  
NTS



2 Type I and II Floating Turbidity Barrier Detail  
NTS



3 Typical Turbidity Barrier Layout  
NTS

**EROSION AND SEDIMENT CONTROL NOTES**

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL PROTECTION - ON-SITE PROTECTION MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORSEEN CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC., ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. ALL TEMPORARY, EROSION, AND SEDIMENT CONTROL TO REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
6. IN ADDITION TO THE MINIMUM EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND SHALL UTILIZE ALL ADDITIONAL CONTROLS NECESSARY FOR COMPLIANCE.
7. ALL EXCAVATIONS AND EARTHWORK SHALL BE DONE IN A MANNER TO MINIMIZE WATER TURBIDITY AND POLLUTION. DISCHARGE SHALL BE CONTROLLED AND REROUTED THROUGH HAY FILTERS, SILTATION DIAPERS, SUMPS AND POLISHING PONDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION, CORRECTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE BAHAMAS AND THE ENVIRONMENTAL MANAGEMENT PLAN AND ENVIRONMENTAL IMPACTS ASSESSMENT FOR THIS PROJECT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT THAT LEAVES THE SITE AND CHANGES ANY DOWNSTREAM CONDITIONS BY RAISING CHANNEL BOTTOMS AND/OR CLOGGING OUTFALL CULVERTS.
9. THE CONTRACTOR SHALL PAY FOR ANY WATER QUALITY CONTROL VIOLATIONS FROM ANY AGENCY THAT RESULTS IN FINES BEING ASSESSED TO THE OWNER BECAUSE OF THE CONTRACTOR'S FAILURE TO ELIMINATE TURBID RUNOFF FROM LEAVING THE SITE AND RAISING TURBIDITY LEVELS ABOVE EXISTING BACKGROUND LEVEL.

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Key West, Florida

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DETAILS	
Project No. 215611872	Scale <b>SEE PLANS</b>
Drawing No. <b>C8</b>	Sheet of <b>8</b>
Revision	