

CITY OF KEY WEST

**3126 Flagler Avenue
Key West, FL 33040**

ADDENDUM NO. 3 CAROLINE STREET IMPROVEMENTS / ITB 15-007

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

New ITB Documents:

The following Specification Page(s) have been revised and are included herein for replacement of corresponding Page(s) in the ITB Documents.

<u>Page(s)</u>	<u>Description</u>
00 41 13-5	Fixed allowance has been included for new Gateway sign, Lighting and Landscaping under ADD ALTERNATE - Caroline Street Parking Lot

The following Plan Sheet(s) are included herein for addition to the ITB Documents.

<u>Sheet(s)</u>	<u>Description</u>
C-1, C-2 and C-3	Drawings for Parking Lot addition at 900 block of Caroline Street referenced in ADD ALTERNATE - Caroline Street Parking Lot, page 00 41 13-5 of the Bid Documents.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 3 by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

Name of Business

Total of Bid Breakdown Prices \$ _____

The Bidder agrees to accept as full payment for the Work proposed under this Project, as herein specified and as shown on the Drawings, the following Total Base Bid amount:

_____ Dollars
(Amount written in words has precedence)

And _____ Cents

TOTAL BID (Base + Allowance) \$ _____

ADD ALTERNATE – Caroline Street Parking Lot

1. Furnish materials, labor, and equipment to construct a bus parking lot adjacent to the City parking garage at 922 Caroline Street as shown in the drawings.

\$ _____ Lump Sum

2. Fixed Allowance to furnish materials, labor, and equipment for new Parking Lot “Gateway” sign, Lighting and Landscaping (Drawings to be furnished by City during the construction phase)

Gateway Sign, Lighting and Landscaping Allowance \$ 65,000.00

DEDUCTIVE ALTERNATE

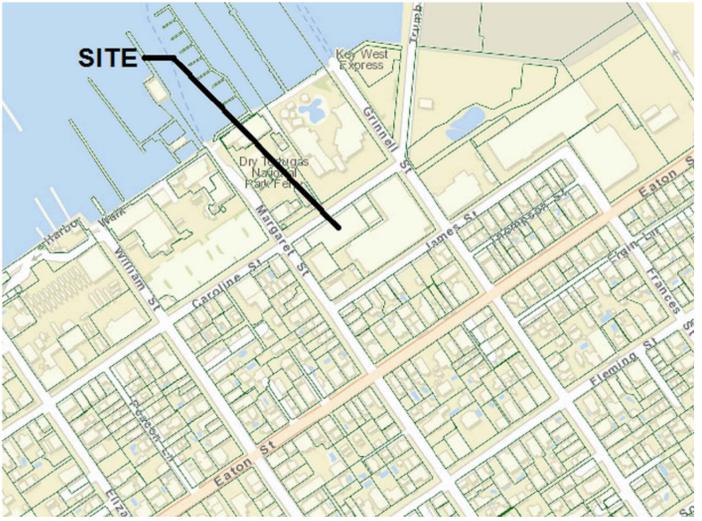
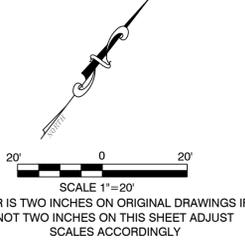
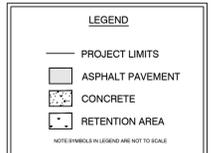
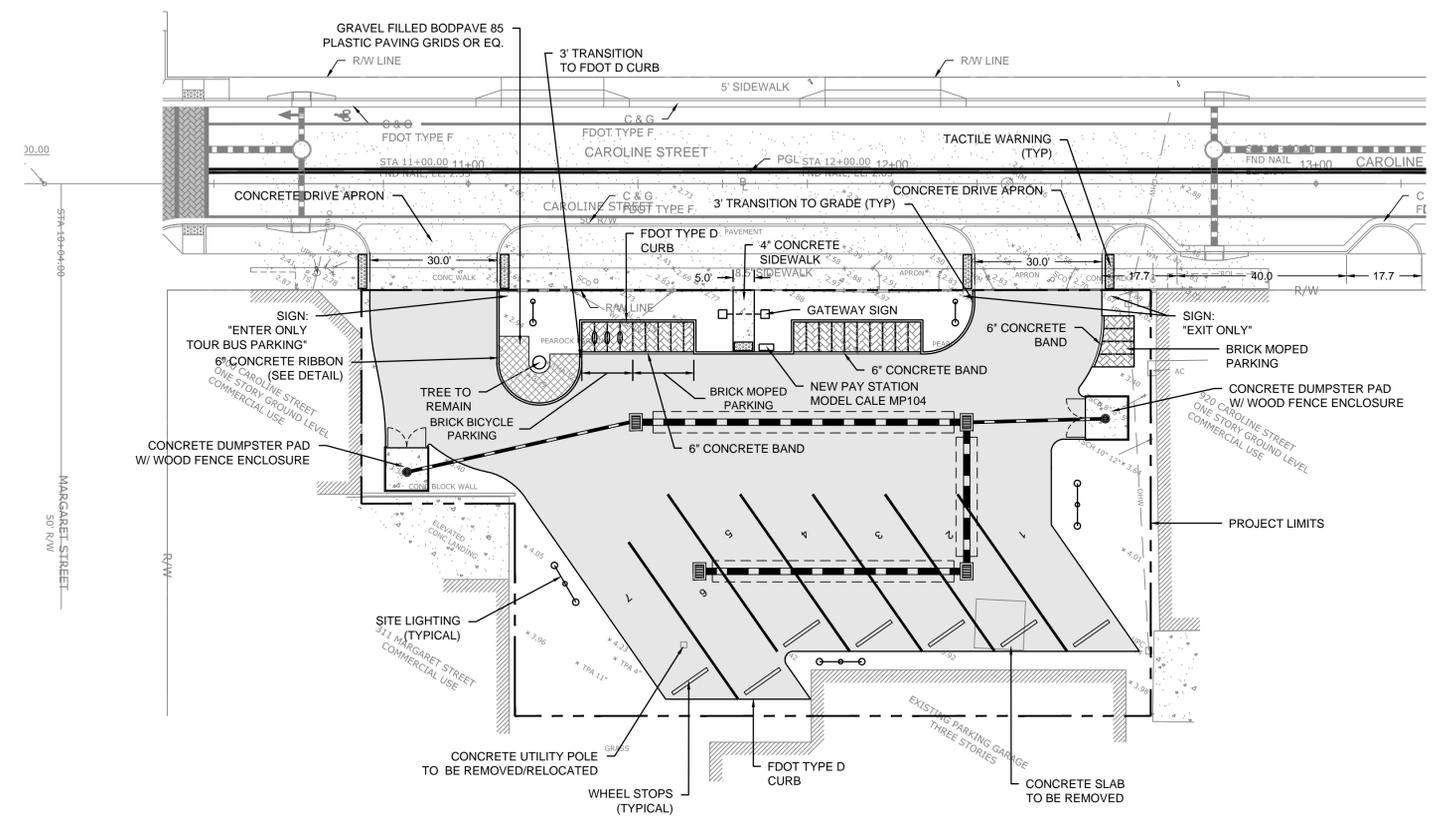
1. Furnish materials, labor, and equipment to construct raised asphalt intersections in lieu of brick pavers on concrete.

Lump Sum for three (3) intersections \$ _____

UNIT PRICE ITEMS

The following unit prices are provided to support unforeseen conditions and contingency allowance use:

1. Removal and offsite disposal of unsuitable soils: \$ _____ per CY
2. Removal, temporary stockpile, and offsite disposal of petroleum impacted soil:
\$ _____ per TON
3. Cutting and capping out of service fuel line if in conflict with storm or sanitary sewer: \$ _____ EACH
4. Soft digs – utility locates: \$ _____ EACH
5. Salvage Brick from base/subgrade and transport \$ _____ per SY
to City property on Fleming Key (Base quantity 600 SY)



LOCATION MAP
NTS

GENERAL NOTES

1. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS AND ADVISE THE ENGINEER OF ANY CONFLICTS OF REPRESENTATION BETWEEN DRAWINGS AND/OR SPECIFICATIONS PRIOR TO COMMENCING WITH CONSTRUCTION.
2. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING ANY WORK UNDER THIS CONTRACT AND NOTIFY THE ENGINEER IN WRITING OF ANY DIFFERENCES BEFORE COMMENCING WITH ANY CONSTRUCTION.
3. HORIZONTAL COORDINATES ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM. VERTICAL ELEVATIONS ARE BASED ON NGVD 1929 DATUM.
4. THE LOCATIONS, SIZES, AND ELEVATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO OBTAIN ANY AVAILABLE RECORD DRAWINGS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION IN THE FIELD. THE CONTRACTOR SHALL ANTICIPATE THAT SCANNING AND EXCAVATION USING LIGHT EQUIPMENT AND HAND METHODS WILL BE NECESSARY IN AREAS NEAR EXISTING UTILITIES AND STRUCTURES TO AVOID DAMAGING THESE FACILITIES. THE CONTRACTOR SHALL CONTACT BELLSOUTH, THE LOCAL TELEPHONE COMPANY AND COMCAST, THE LOCAL CABLE TV PROVIDER TO VERIFY THE LOCATION OF BURIED TELEPHONE AND CABLE TV UTILITIES. NONE HAVE BEEN INDICATED ON THE DRAWINGS. CALL 1-800-432-4770 BEFORE DIGGING OR TRENCHING OPERATIONS BEGIN. CONTRACTOR SHALL ALSO CONTACT CITY OF KEY LARGO / MONROE COUNTY PUBLIC WORKS OFFICE TO LOCATE SECONDARY ELECTRIC LINES.
5. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION IN THE FIELD PRIOR TO INSTALLING ANY NEW WORK THAT CROSSES OR CONNECTS TO EXISTING UTILITY SYSTEMS. LOCATIONS OF NEW UTILITIES SHALL BE ADJUSTED IN A MANNER APPROVED BY THE ENGINEER TO AVOID CONFLICTS. DAMAGES TO UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE CLIENT.
6. ALL EXCAVATION, TRENCHING, SHEETING, SHORING AND BRACING SHALL BE INSTALLED AS REQUIRED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, INCLUDING OSHA (29 CFR 1926).
7. ALL ITEMS INDICATED TO BE REMOVED OR DEMOLISHED SHALL BE REVIEWED WITH THE DEVELOPER TO DETERMINE IF THE ITEM IS TO BE PROPERTY OF THE CONTRACTOR. ALL ITEMS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS, UNLESS OTHERWISE NOTED. NO SALVAGE VALUE IS EXPRESSED OR IMPLIED BY THESE CONTRACT DOCUMENTS FOR ANY ITEMS TO BE REMOVED OR DEMOLISHED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE CONTRACTOR'S EQUIPMENT, MATERIALS, AND PERSONNEL, AND SHALL PROVIDE ADEQUATE BARRIERS TO PREVENT RISK TO OTHERS FROM THE CONTRACTOR'S ACTIVITIES.
9. WHERE ACTUAL DIMENSIONS AND SIZES ARE PROVIDED IN THE DRAWINGS, THEY SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. LARGE SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.
10. THE CONTRACTOR SHALL SEQUENCE HIS OPERATIONS SUCH THAT ORANGE MESH SAFETY FENCING IS PROVIDED ALONG ALL AREAS BEING TRENCHED AND NO TRENCH IS LEFT OPEN AT THE END OF THE WORK DAY.
11. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW-OFF STRUCTURE WITHOUT FIRST OBTAINING A CONSTRUCTION METER FROM THE FLORIDA KEYS AQUEDUCT AUTHORITY.
12. IF UNSATISFACTORY MATERIAL FOR ADEQUATE BEARING IS ENCOUNTERED AT THE NORMAL SUBGRADE, THE UNSATISFACTORY MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE FOUNDATION STABILIZATION MATERIAL AS SPECIFIED.
13. IN GENERAL, EXISTING STRUCTURES AND UTILITIES ARE NOTED AS EXISTING AND/OR SHOWN IN LIGHT LINE WEIGHT. NEW CONSTRUCTION IS SHOWN IN HEAVY LINE WEIGHT.
14. ALL FIELD LAYOUT AND SURVEYING FOR CONSTRUCTION OF THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE, UNDER THE DIRECTION OF A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR.

NEW CONSTRUCTION NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION OF NEW UTILITIES TO ANTICIPATE AND PLAN FOR CROSSINGS OF NEW AND EXISTING UTILITIES AND SUBSURFACE FEATURES. UTILITY LINES SHALL HAVE PRIORITIES AS FOLLOWS:
 - A. GRAVITY SANITARY SEWER LINES SHALL BE CONSTRUCTED TO GRADES AS INDICATED.
 - B. ANY GRAVITY UTILITY DISCOVERED TO CONFLICT WITH GRADES FOR NEW SANITARY SEWER LINES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER WITH POSSIBLE SOLUTIONS FOR HORIZONTAL AND VERTICAL ADJUSTMENT.
 - C. POTABLE WATER LINES, ELECTRICAL, COMMUNICATION, AND CABLE TV DISTRIBUTIONS WILL REQUIRE RELOCATION AS NECESSARY TO ACCOMMODATE NEW SANITARY SEWER LINES. THE CONTRACTOR SHALL DETERMINE, PRIOR TO INSTALLATION, THE METHOD BY WHICH THESE LINES SHALL BE REROUTED ABOVE OR BELOW NEW SANITARY SEWER LINES. THE CONTRACTOR SHALL REFER TO THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR SEPARATION REQUIREMENTS BETWEEN INDIVIDUAL UTILITY LINES, BOTH HORIZONTALLY AND THE CONTRACTOR SHALL INCLUDE IN THE VERTICALLY, AND SPECIAL TREATMENT REQUIREMENTS. BID PRICE ANY SPECIAL TREATMENT REQUIRED FOR UTILITY INSTALLATION, INCLUDING ADJUSTMENTS OF EXISTING UTILITIES.
2. THE CONTRACTOR SHALL ASSUME ADJUSTMENTS OF EXISTING UTILITIES WILL BE REQUIRED AT ALL UTILITY CROSSINGS SHOWN ON THE DRAWINGS, INCLUDING ALL UTILITIES OF UNKNOWN DEPTH INDICATED IN THE PROFILES. THIS INCLUDES LABOR, EQUIPMENT, AND MATERIALS, INCLUDING FITTINGS AND APPURTENANCES.
3. NEW SLABS SHALL BE GRADED TO POSITIVELY DRAIN WITHOUT ANY STORMWATER PONDING.
4. PROVIDE CONTRACTION JOINTS AT 12' O.C. MAX. JOINT PATTERNS IN PAVEMENTS AND SIDEWALKS SHALL BE GENERALLY SQUARE. AT CURBS PROVIDE FULL DEPTH EXPANSION JOINTS AT 100 FT. O.C. MAX. AND AT LOCATIONS WHERE STRAIGHT CURB RUNS CHARGE DIRECTIONS. AT SIDEWALKS PROVIDE WEAKENED PLANE CONTRACTION JOINTS NOT MORE THAN 5'-0" MAX. AND EXPANSION JOINTS AT 20-FT. O.C. MAX (TOOL ALL EDGES). INSTALL SELF-LEVELING SEALANT AT ALL ISOLATION/ EXPANSION JOINTS.

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT
PEREZ ENGINEERING
 & DEVELOPMENT, INC.
 CERTIFICATE OF AUTHORIZATION No. 8579
 KEY WEST OFFICE
 1010 EAST CAROLINE STREET, SUITE 201
 KEY WEST, FLORIDA 33040
 TEL: (305) 293-9440 FAX: (305) 296-0243

ALLEN E. PEREZ, P.E.
 Florida P.E. NO. 51488
 June 28, 2015

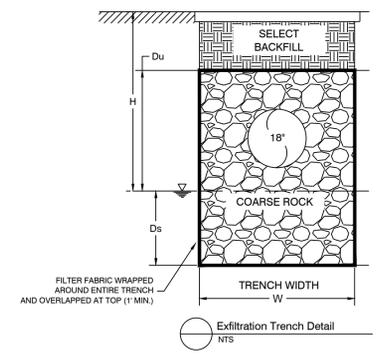
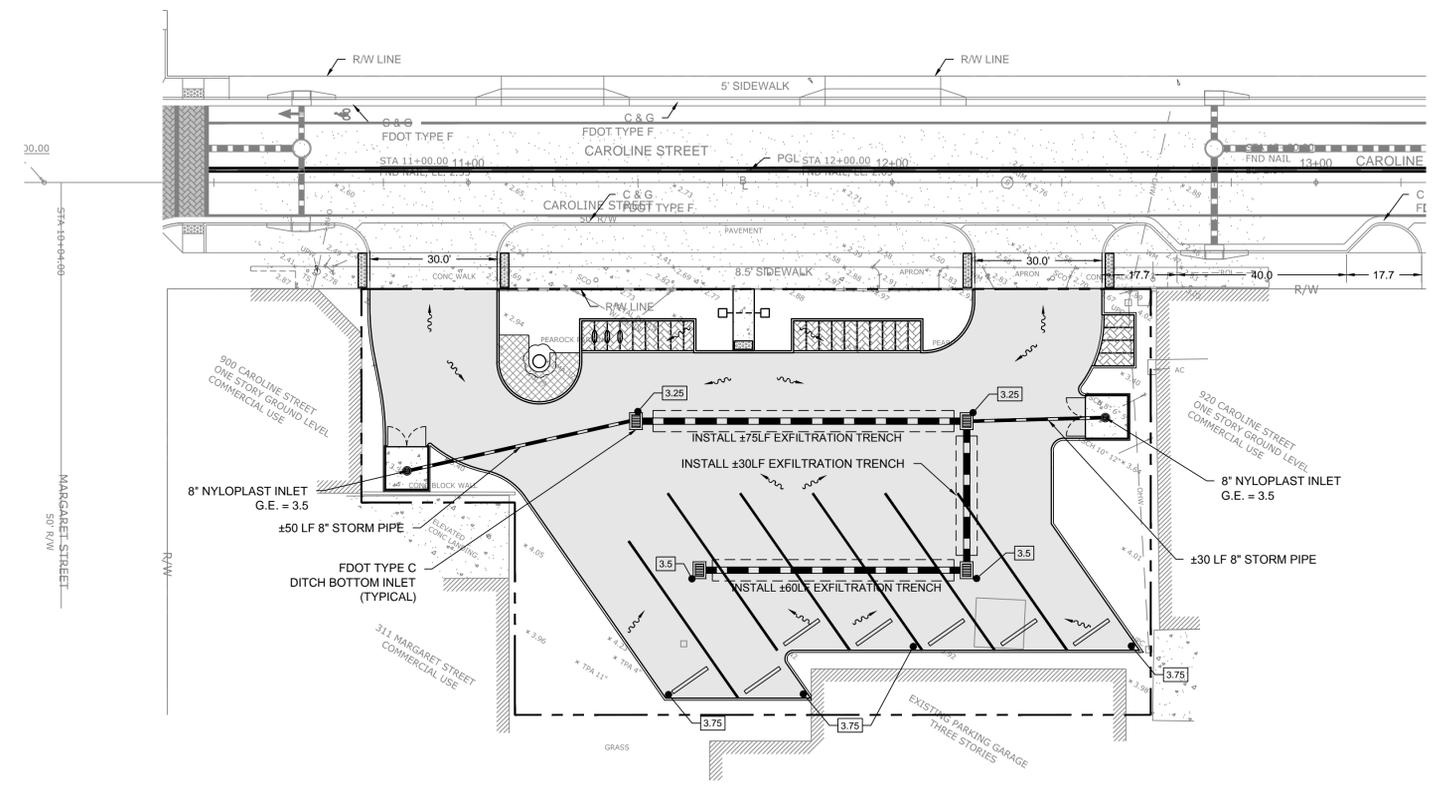
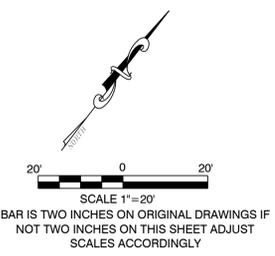
ORIGINAL: _____ REVISIONS: _____ 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____	CAROLINE STREET PARKING LOT 900 BLOCK OF CAROLINE STREET KEY WEST, FL 33040 SITE PLAN
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CITY OF KEY WEST	3140 FLAGLER AVENUE	KEY WEST, FL 33040
JOB NO.	151014	
DRAWN	BGO	
DESIGNED	AEP	
CHECKED	AEP	
QC		
SHEET		C-1

LEGEND

- PROJECT LIMITS
- ▭ ASPHALT PAVEMENT
- ▨ CONCRETE
- ▩ RETENTION AREA

NOTE: SYMBOLS IN LEGEND ARE NOT TO SCALE



Water Quantity Calculations - 25yr/72hr Design Storm

Water Quantity - Predevelopment

Project Area	A =	0.386	ac	16,815	sf
Pervious Area		0.365	ac	15,880	sf
Impervious Area		0.021	ac	935	sf
% Impervious		5.56%			
Rainfall for 25yr/24hr event	P ₂₄ =	9	in		
Rainfall for 25yr/3day event	P ₇₂ =	12.23	in		
Depth to Water Table		3	ft		
Predeveloped Available Storage		4.95	in		
Soil Storage	S =	4.67	in		
Q _{pre} = (P ₇₂ - 0.2S) ² / (P ₇₂ + 0.8S)	Q _{pre} =	7.99	in		
Runoff Volume from 25 year / 3 day storm	V _{25yr/72hr} =	3.08	ac-in		

Water Quantity - Postdevelopment

Project Area	A =	0.386	ac	16,815	sf
Pervious Area		0.123	ac	5,377	sf
Impervious Area		0.263	ac	11,439	sf
% Impervious		68.0%			
Rainfall for 25yr/24hr event	P ₂₄ =	9	in		
Rainfall for 25yr/3day event	P ₇₂ =	12.23	in		
Depth to Water Table		3	ft		
Developed Available Storage		4.95	in		
Soil Storage	S =	1.58	in		
Q _{post} = (P ₂₄ - 0.2S) ² / (P ₂₄ + 0.8S)	Q _{post} =	10.52	in		
Runoff Volume from 25 year / 3 day storm	V _{25yr/72hr} =	4.06	ac-in		

Postdevelopment - Predevelopment

Q _{pre-post} = Q _{post} - Q _{pre}	Q _{pre-post} =	2.53	in		
Pre/Post Volume = Q _{pre-post} X A	V _{pre-post} =	0.98	ac-in		

Water Quality Calculations - 25yr/72hr Design Storm

Water Quality

Project Area	0.386	ac	16,815	sf
Surface Water	0.000	ac	0	sf
Roof Area	0.000	ac	0	sf
Pavement/Walkways	0.263	ac	11,439	sf
Pervious area	0.123	ac	5,377	sf
Impervious area for water Quality (Site area for Water Quality - Pervious area)	0.263	ac	11,439	sf
% Impervious	68%			
A) One inch of runoff from project area	0.386	ac-in		
B) 2.5 inches times percent impervious (2.5 x percent impervious x (site area - surface water))	0.656	ac-in		

Comparison of Water Quality Methods

	0.386	<	0.656
	ac-in		ac-in

Total Volume Required: 0.976 ac-in, 3,542 cf

Exfiltration Provided: 1.194 ac-in, 4,336 cf

Total Provided: 1.194 ac-in, 4,336 cf

Exfiltration Trench Design

Required trench length (L) =

$$L = \frac{V}{K(H^2W + 2HzDu - Du^2 + 2H^2Ds) + 1.39 \times 10^{-4}(W)(Du)}$$

Assumed Hydraulic Conductivity, K= 0.0002648

H =	2	ft
W =	5	ft
Du =	0.5	ft
Ds =	3	ft
Volume of Trench, V =	1.194	ac-in

Trench Length Required = 147 FT

Trench Length Provided = 180 FT

ORIGINAL: _____

REVISIONS:

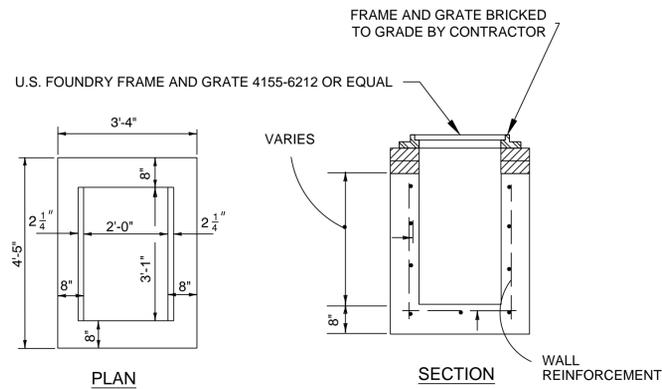
1	
2	
3	
4	
5	
6	

CITY OF KEY WEST
3140 FLAGLER AVENUE
KEY WEST, FL 33040

CAROLINE STREET PARKING LOT
900 BLOCK OF CAROLINE STREET
KEY WEST, FL 33040

DRAINAGE PLAN

JOB NO. 151014
DRAWN BGO
DESIGNED AEP
CHECKED AEP
QC
SHEET



NOTES:

1. CONCRETE SHALL BE 4000 PSI AT 28 DAYS, TYPE II CEMENT
2. ALL REINFORCEMENT MAY BE WELDED WIRE AS PER ASTM C-478, #4 @ 12" O.C.E.W.
3. FRAME AND GRATE BRICKED TO GRADE BY CONTRACTOR.
4. BOTTOM INLETS SHALL BE USP PRODUCT NO. 3-3 OR EQUAL.
5. STRUCTURES TO BE SET ON COARSE AGGREGTE BEDDING

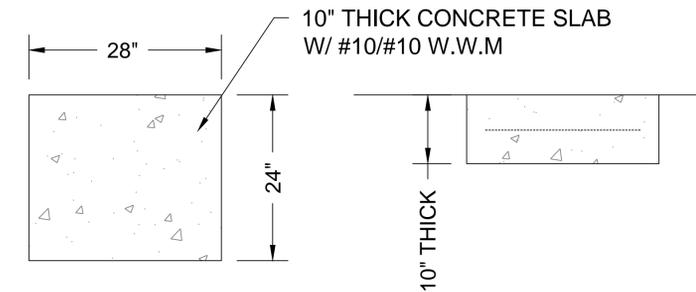
1 Type "C" Ditch Bottom Inlet
NTS

- The base anchor is designed for use in new concrete. The minimum concrete slab should be 28" w x 24" (front to back) by 10" deep.
- The anchor should be installed so that the metal top is completely level. The concrete must not be higher than the top surface of the anchor at any point within 4" of the edges of the anchor.
- If the surrounding area is not level, the concrete must be brought up to level,
- If an AC line or network connection will be made, it should be routed up through the center cutout on the anchor using a conduit.

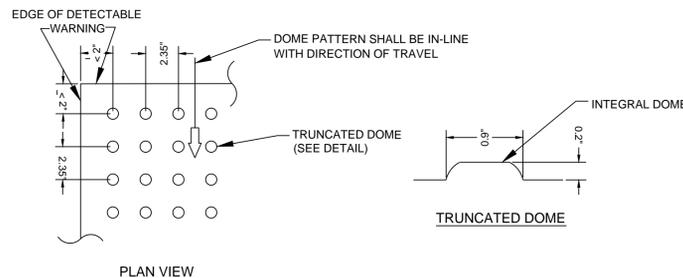


Base anchor 0403-B0120

2 Pay Station Base/Anchor Detail
NTS



3 Pay Station Slab Detail
NTS



ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH AND DEPTH OF THE RAMP.

CURB RAMP DETECTABLE WARNING
NTS

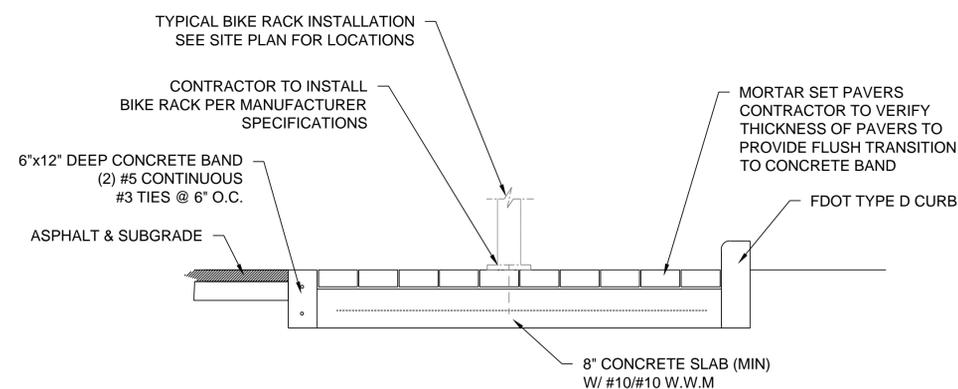
GENERAL NOTE:

1. CURB RAMP RUNNING SLOPES AT UNRESTRAINED SITES SHALL NOT BE STEEPER THAN 1:12 AND CROSS SLOPE SHALL BE 0.02 OR FLATTER. TRANSITION SLOPES SHALL NOT BE STEEPER THAN 1:12.
2. CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24" FROM THE BACK OF CURB. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE WITH U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBLE DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.29.2, TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
3. UNLESS OTHERWISE CALLED OUT IN THE PLANS, THE RAMP DETECTABLE WARNING SURFACE SHALL BE COLORED IN ACCORDANCE WITH FDOT SECTION 351 OF THE STANDARD SPECIFICATIONS.

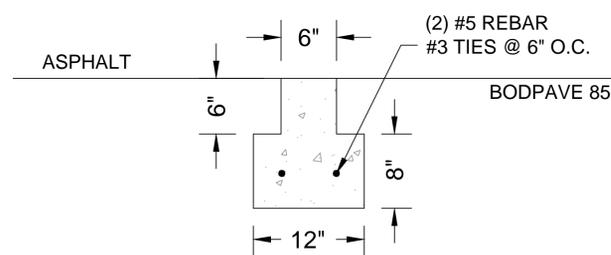
DESIGN NOTE:

1. THE COLOR REQUIREMENT IN GENERAL NOTE 3 IS TO PROVIDE A DARK-ON-LIGHT VISUAL CONTRAST BETWEEN THE DETECTABLE WARNING SURFACE AND THE ADJACENT WALKING SURFACE. WHERE ADJACENT WALKING SURFACES ARE COLORED OR ARE CONSTRUCTED WITH MATERIALS OTHER THAN STANDARD CLASS I PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 522 OF THE STANDARD SPECIFICATIONS, THE PLANS MUST PROVIDE FOR DETECTABLE WARNING SURFACE COLOR OR MATERIALS THAT PROVIDE THE NECESSARY CONTRAST, EITHER DARK-ON-LIGHT OR LIGHT-ON-DARK.

4 ADA Detectable Warning & General ADA Notes
NTS

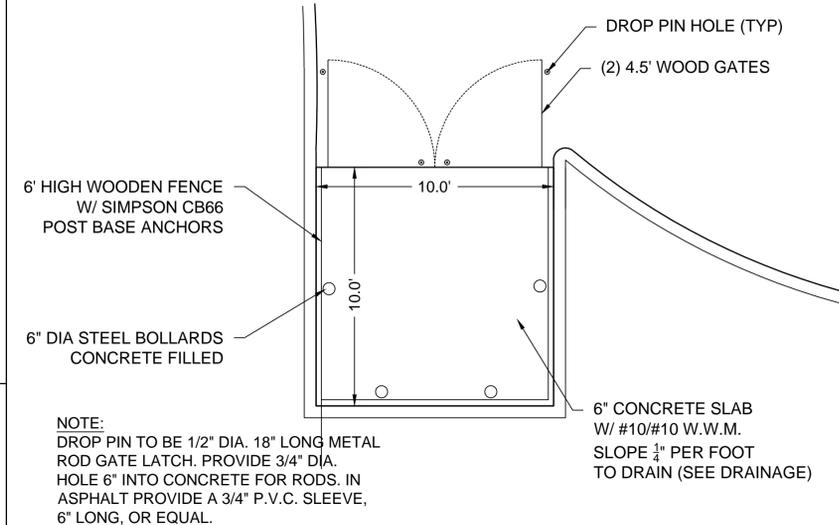


5 Paver Installation Details
NTS



PROVIDE CONTRACTION JOINTS @ 6' INTERVALS (MAX)

6 Concrete Ribbon Detail
NTS



NOTE:
DROP PIN TO BE 1/2" DIA. 18" LONG METAL ROD GATE LATCH. PROVIDE 3/4" DIA. HOLE 6" INTO CONCRETE FOR RODS. IN ASPHALT PROVIDE A 3/4" P.V.C. SLEEVE, 6" LONG, OR EQUAL.

7 Dumpster Pad Details
NTS

ORIGINAL	1
REVISIONS:	2
	3
	4
	5
	6

CAROLINE STREET PARKING LOT
900 BLOCK OF CAROLINE STREET
KEY WEST, FL 33040
DETAILS

CITY OF KEY WEST
3140 FLAGLER AVENUE
KEY WEST, FL 33040

JOB NO.	151014
DRAWN	BGO
DESIGNED	AEP
CHECKED	AEP
QC	
SHEET	