ADDENDUM NO. 4

For, GRAVITY INJECTION WELLS Phase V

ST 0902 Bid Documents

To All Bidders:

The following change is herby made part of Gravity Injection Wells Phase V, as fully as completely as if the same were set forth therein:

1. Delete the following drawings and replace with attached drawings

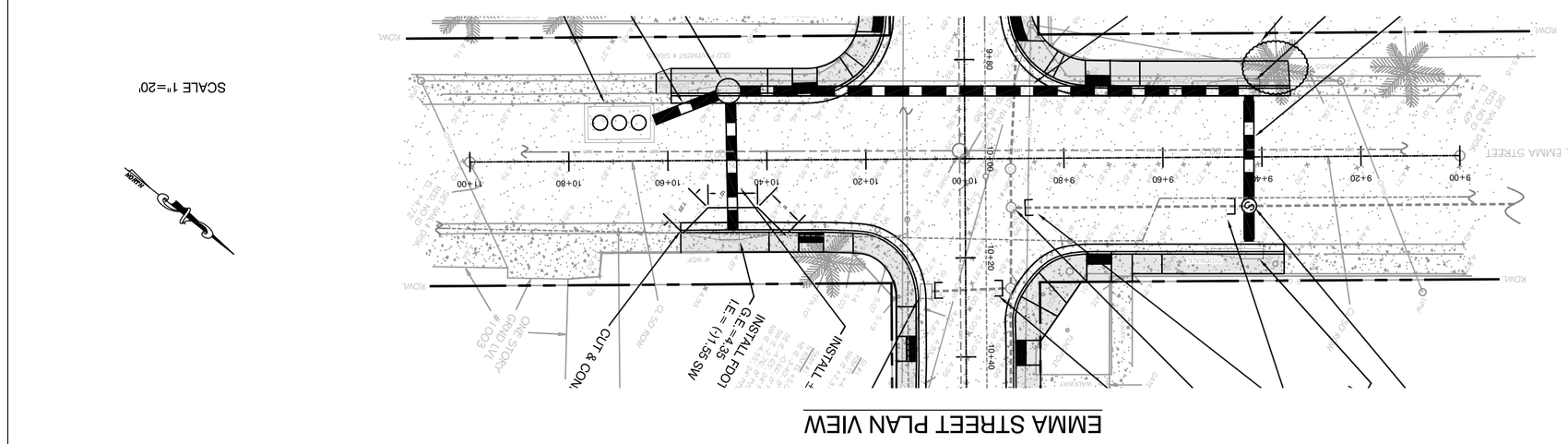
    - C-10
    - C-11
    - C-12
    - C-13

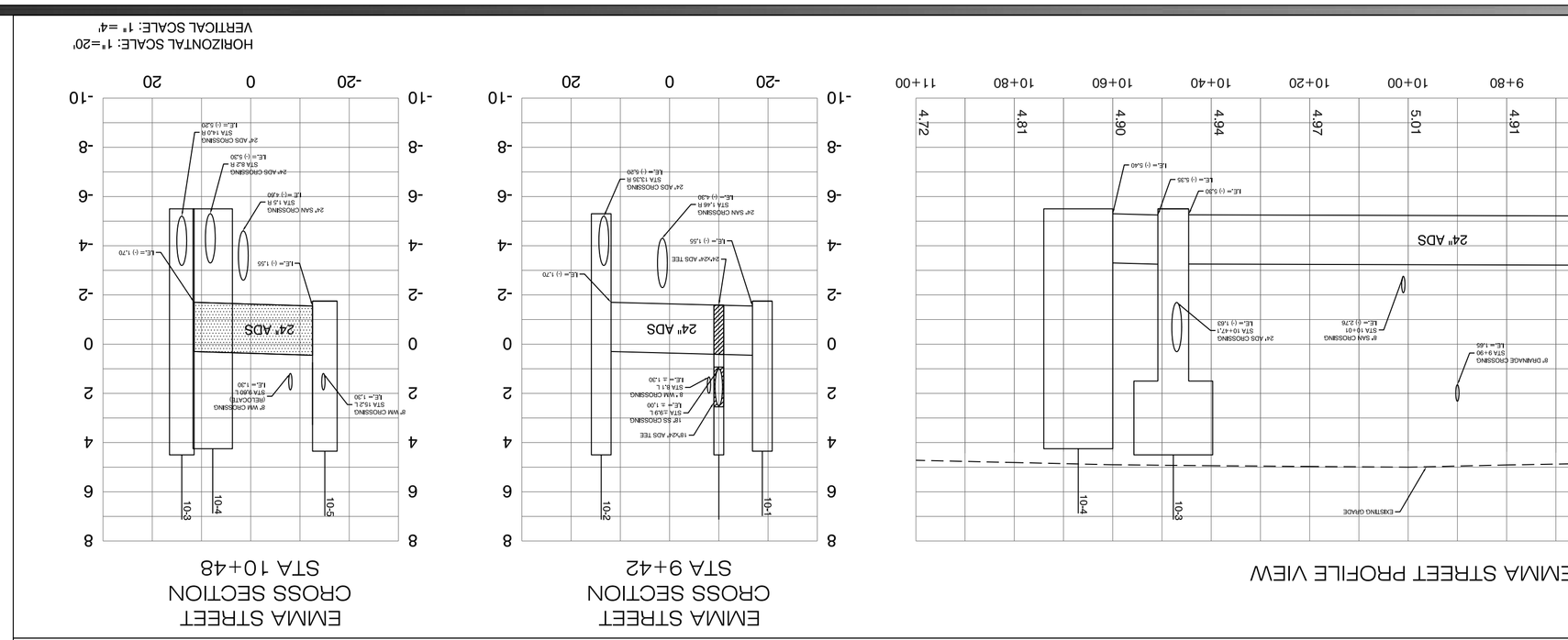
Direct any request for Information to Richard Evans Perez Engineering; revans@perezeng.com

All Bidders shall acknowledge receipt and acceptance of this Addendum No.4 by acknowledging Addendum in their proposal or by submitting the addendum with the bid package. Bids submitted without the acknowledgement or without this Addendum may be considered non-responsive.

_____ _____

Signature Name of Business



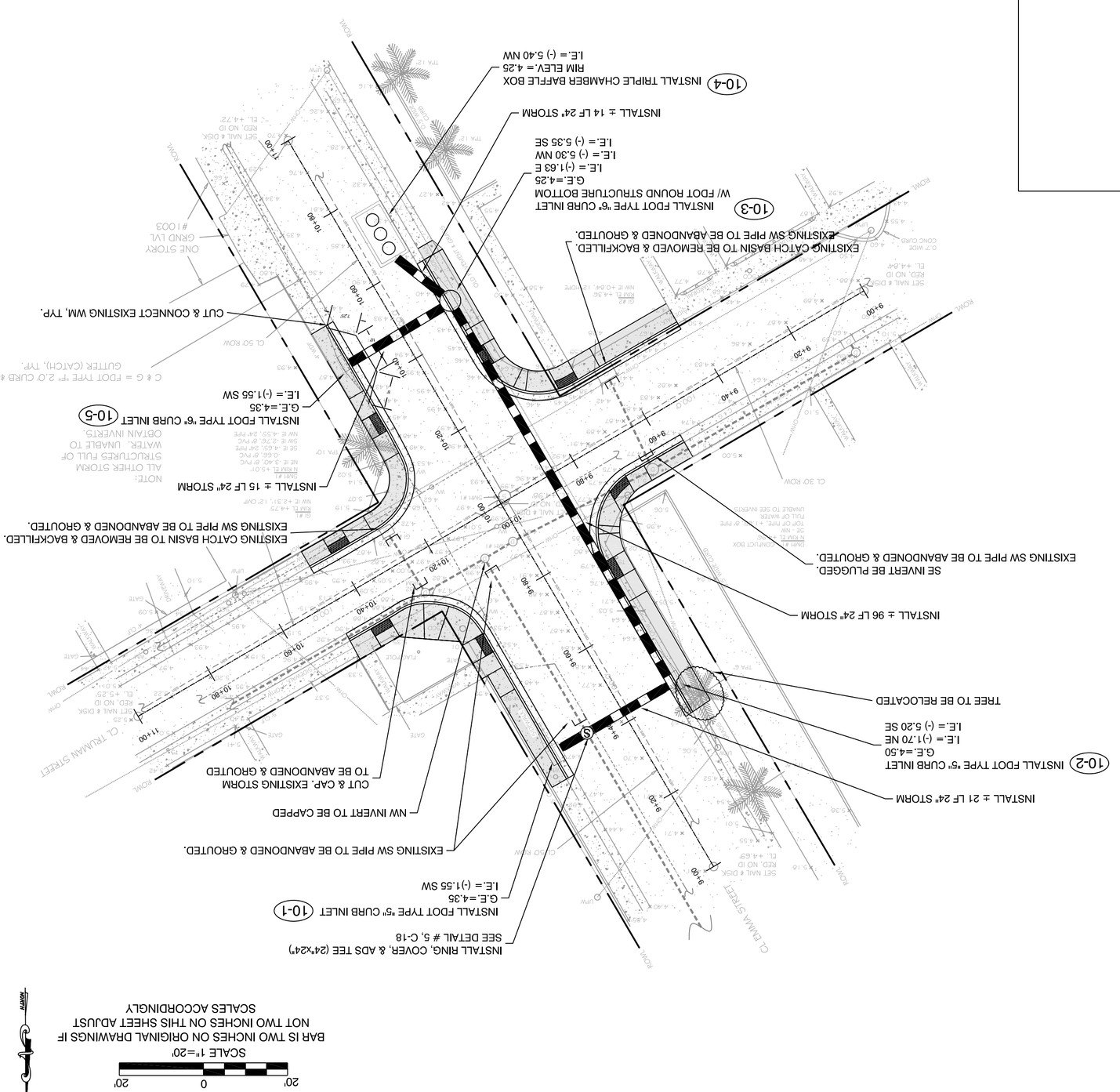


NOTE:
1. THE CONTRACTOR SHALL VERIFY ALL STORM SEWER INVERT ELEVATIONS, PRIOR TO ORDERING CATCH BASINS AND BAFFLE BOXES.
2. CONTRACTOR TO SUPPORT POWER POLE(S), AS REQUIRED, DURING CONSTRUCTION.
3. FOR WATER MAIN RELOCATION, PLEASE REFER TO F.A.C. RULE 62-555.314 FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

LEGEND

- PROPERTY / RIGHT-OF-WAY LINE
- TRIPLE CHAMBER BAFFLE BOX
- STORMWATER INLET
- STORMWATER PIPE
- STORMWATER MANHOLE
- STRUCTURE ID
- CONCRETE SIDEWALK
- EXISTING GRADE
- EXISTING STORMWATER PIPE
- EXISTING WATER MAIN
- EXISTING SAN. SEWER
- EXISTING TELEPHONE/CABLE
- LANDSCAPE AREA (SOD)
- ADA DETECTABLE WARNING

NOTE: SYMBOLS IN LEGEND ARE NOT TO SCALE



Upstream Structure #	Upstream Structure Type	Top Elev (FT.)	Upstream Invert (FT.)	Downstream Structure #	Downstream Structure Type	Top Elev (FT.)	Downstream Invert (FT.)	Pipe Size (in.)	Pipe Type	Length (FT.)	Slope
10-1	FDOT Type "5" Curb Inlet	4.35	-1.55	10-2	FDOT Type "5" Curb Inlet	4.50	-1.70	24	ADS	21	0.71%
10-2	FDOT Type "5" Curb Inlet	4.50	-5.20	10-3	FDOT Type "5" Curb Inlet	4.50	-5.30	24	ADS	96	0.10%
10-3	FDOT Type "5" Curb Inlet	4.50	-5.35	10-4	Triple Chamber Baffle Box	4.25	-5.40	24	ADS	14	0.36%
10-5	FDOT Type "5" Curb Inlet	4.35	-1.55	10-3	FDOT Type "6" Curb Inlet	4.50	-1.63	24	ADS	15	0.53%

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

PEREZ ENGINEERING & DEVELOPMENT, INC
CERTIFICATE OF AUTHORIZATION No. 8579

KEY WEST OFFICE
1010 EASTERNEDIT DRIVE, SUITE 400
KEY WEST, FLORIDA 33040
TEL: (305) 293-9440 FAX: (305) 296-0243

TAMPA OFFICE
CITYCORE CENTER
3507 EAST FRONTAGE ROAD, SUITE 140
TAMPA, FLORIDA 33607
TEL: (813) 579-1616 FAX: (813) 288-0710

ORIGINAL: DECEMBER 2008

REVISIONS:		
1	BID PLANS REVISED (PHASE I)	11/10/09
2	BID PLANS REVISED (PHASE 2)	11/13/09
3		
4		
5		
6		

ALLEN E. PEREZ, P.E.
Florida P.E. NO. 51468
November 12, 2009

JOB NO.	091023
DRAWN	RTM
DESIGNED	AEP
CHECKED	AEP
QC	
SHEET	C-10

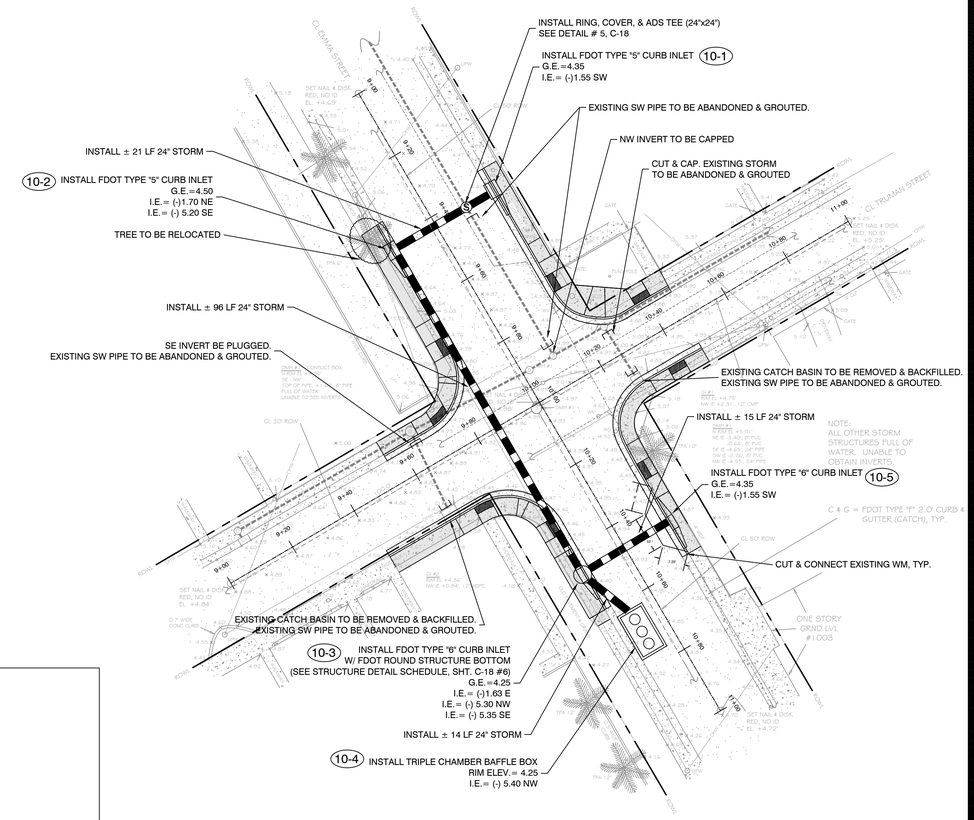
CITY OF KEY WEST
627 PALM AVENUE
KEY WEST, FLORIDA
(305)292-8161

GRAVITY INJECTION WELLS, PHASE V
BID PLANS
EMMA ST. & TRUMAN ST.
PLAN & PROFILE

20' 0 20'

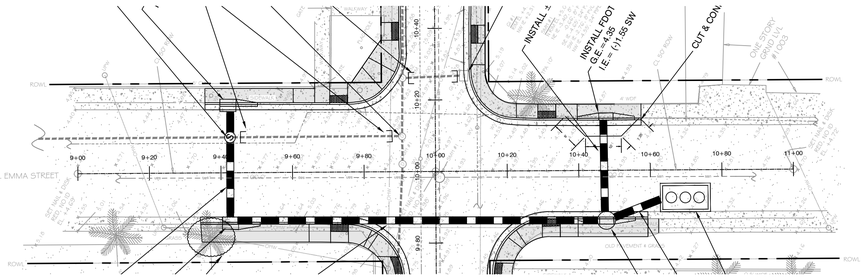
SCALE 1"=20'

BAR IS TWO INCHES ON ORIGINAL DRAWINGS IF NOT TWO INCHES ON THIS SHEET ADJUST SCALES ACCORDINGLY



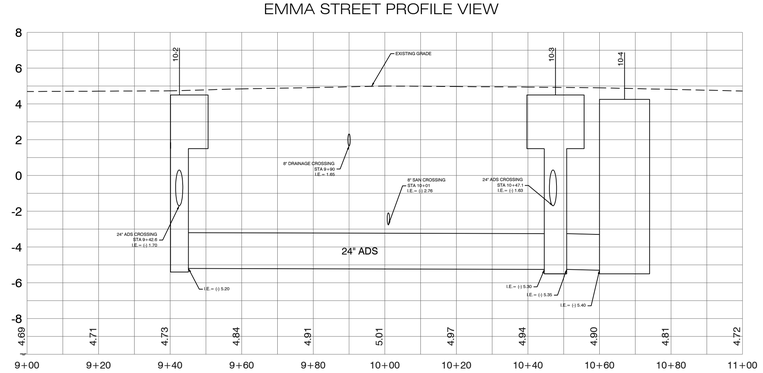
Upstream Structure #	Upstream Structure Type	Top Elev (FT.)	Upstream Invert (FT.)	Downstream Structure #	Downstream Structure Type	Top Elev (FT.)	Downstream Invert (FT.)	Pipe Size (in.)	Pipe Type	Length (FT.)	Slope
10-1	FDOT Type "5" Curb Inlet	4.35	-1.55	10-2	FDOT Type "5" Curb Inlet	4.50	-1.70	24	ADS	21	0.71%
10-2	FDOT Type "5" Curb Inlet	4.50	-5.20	10-3	FDOT Type "6" Curb Inlet	4.50	-5.30	24	ADS	96	0.10%
10-3	FDOT Type "5" Curb Inlet	4.50	-5.35	10-4	Triple Chamber Baffle Box	4.25	-5.40	24	ADS	14	0.36%
10-5	FDOT Type "5" Curb Inlet	4.35	-1.55	10-3	FDOT Type "6" Curb Inlet	4.50	-1.63	24	ADS	15	0.53%

EMMA STREET PLAN VIEW

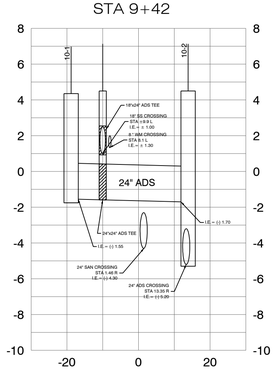


SCALE 1"=20'

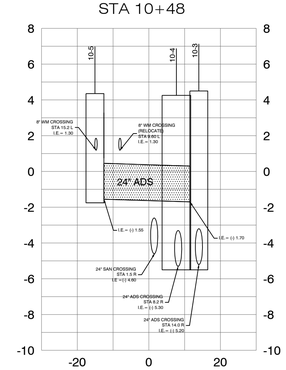
EMMA STREET PROFILE VIEW



EMMA STREET CROSS SECTION STA 9+42



EMMA STREET CROSS SECTION STA 10+48



HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1" =4'

NOTE:
1. THE CONTRACTOR SHALL VERFIY ALL STORM SEWER INVERT ELEVATIONS, PRIOR TO ORDERING CATCH BASINS AND BAFFLE BOXES.
2. CONTRACTOR TO SUPPORT POWER POLE(S) ,AS REQUIRED, DURING CONSTRUCTION.
3. FOR WATER MAIN RELOCATION, PLEASE REFER TO F.A.C. RULE 62-555.314 FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

LEGEND

- PROPERTY / RIGHT-OF-WAY LINE
- TRIPLE CHAMBER BAFFLE BOX
- STORMWATER INLET
- STORMWATER PIPE
- STORMWATER MANHOLE
- STRUCTURE ID
- CONCRETE SIDEWALK
- EXISTING GRADE
- EXISTING STORMWATER PIPE
- EXISTING WATER MAIN
- EXISTING SAN. SEWER
- EXISTING TELEPHONE/CABLE
- LANDSCAPE AREA (SOD)
- ADA DETECTABLE WARNING

NOTE: SYMBOLS IN LEGEND ARE NOT TO SCALE

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

KEY WEST OFFICE
1010 EAST KENNEDY DRIVE, SUITE 400
KEY WEST, FLORIDA 33040
TEL: (305) 293-9440 FAX: (305) 296-0243

TAMPA OFFICE
CONCOURSE CENTER
3507 EAST FRANKLIN ROAD, SUITE 140
TAMPA, FLORIDA 33607
TEL: (813) 579-1616 FAX: (813) 288-0710

PEREZ ENGINEERING & DEVELOPMENT, INC
CERTIFICATE OF AUTHORIZATION No. 8579

ALLEN E. PEREZ, P.E.
Florida P.E. NO. 51468
November 13, 2009

REVISIONS:
1 BID PLANS REVISED (PHASE I) 11/12/09
2 BID PLANS REVISED (PHASE 2) 11/13/09
3
4
5
6

ORIGINAL: DECEMBER 2008

GRAVITY INJECTION WELLS, PHASE V

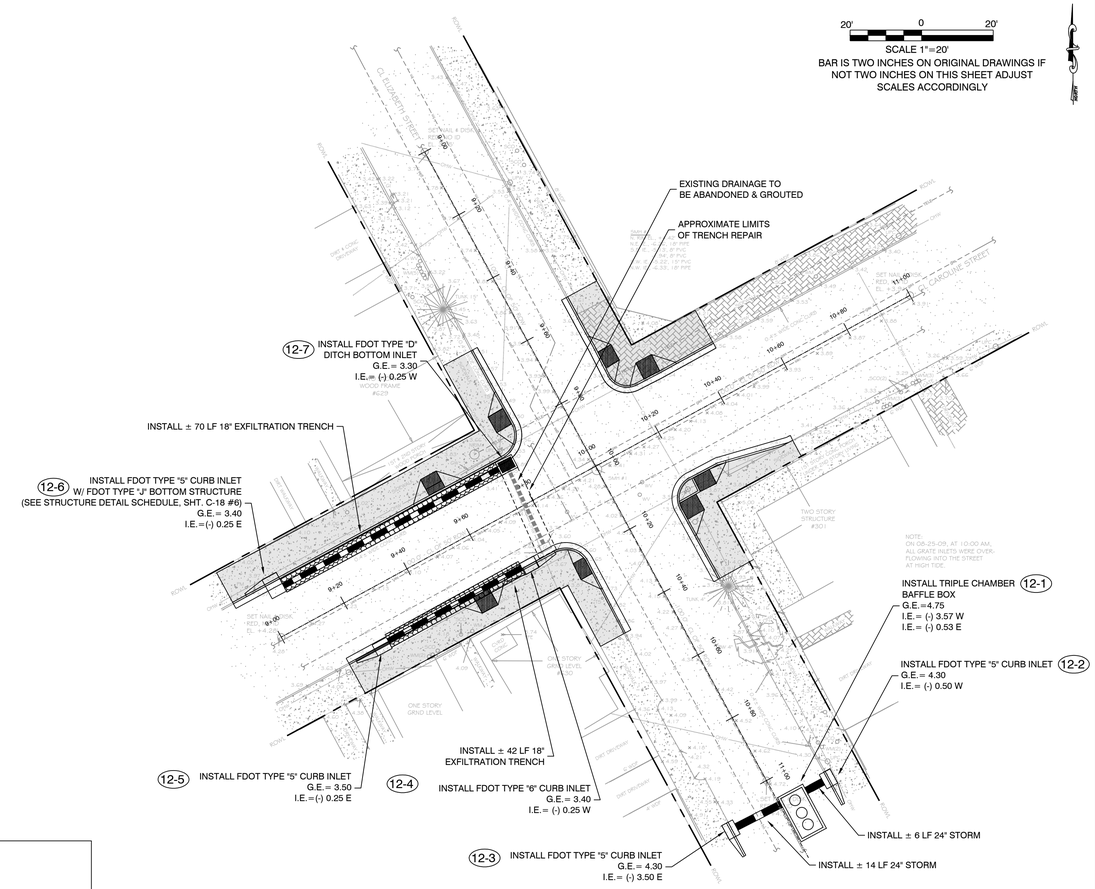
BID PLANS

EMMA ST. & TRUMAN ST.

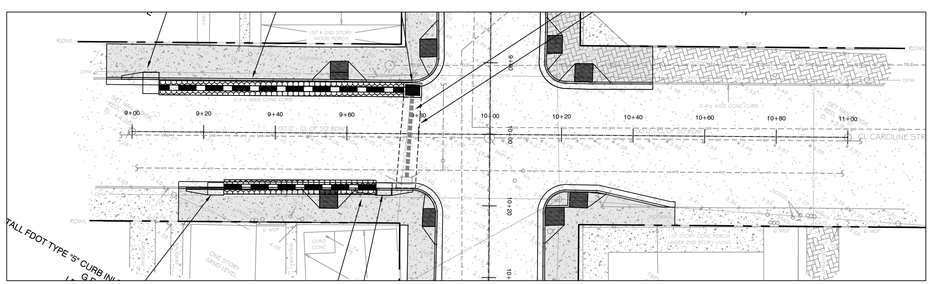
PLAN & PROFILE

CITY OF KEY WEST
627 PALM AVENUE
KEY WEST, FLORIDA
(305)292-8161

JOB NO. 091023
DRAWN RTM
DESIGNED AEP
CHECKED AEP
QC
SHEET C-10

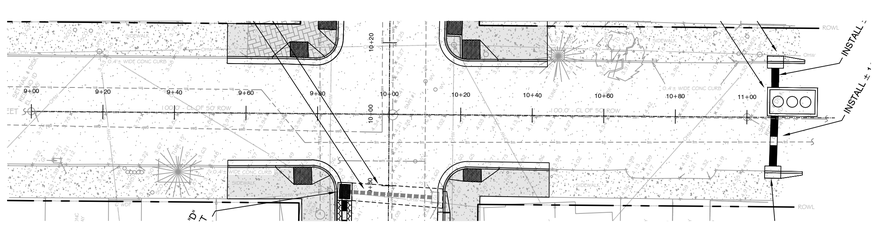


CAROLINE STREET PLAN VIEW



SCALE 1"=20'

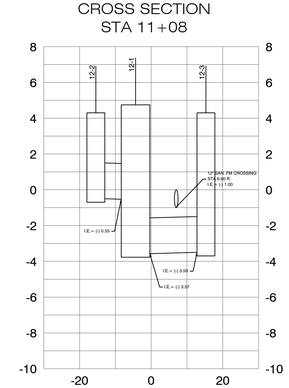
ELIZABETH STREET PLAN VIEW



SCALE 1"=20'

Upstream Structure #	Upstream Structure Type	Top Elev (FT.)	Upstream Invert (FT.)	Downstream Structure #	Downstream Structure Type	Top Elev (FT.)	Downstream Invert (FT.)	Pipe Size (in.)	Pipe Type	Length (FT.)	Slope
12-2	FDOT Type "5" Curb Inlet	4.30	-0.50	12-1	Triple Chamber Baffle Box	4.75	-0.53	24	ADS	6	0.50%
12-3	FDOT Type "5" Curb Inlet	4.30	-3.50	12-1	Triple Chamber Baffle Box	4.75	-3.57	24	ADS	14	0.50%
12-5	FDOT Type "5" Curb Inlet	3.50	-0.25	12-4	FDOT Type "6" Curb Inlet	3.40	-0.25	18	ADS	42	0.00%
12-6	FDOT Type "5" Curb Inlet	3.40	-0.25	12-7	FDOT Type "D" Ditch Bottom Inlet	3.30	-0.25	18	ADS	70	0.00%

ELIZABETH STREET CROSS SECTION STA 11+08



HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1" =4'

NOTE:
1. THE CONTRACTOR SHALL VERFIY ALL STORM SEWER INVERT ELEVATIONS, PRIOR TO ORDERING CATCH BASINS AND BAFFLE BOXES.
2. CONTRACTOR TO SUPPORT POWER POLE(S) ,AS REQUIRED, DURING CONSTRUCTION.
3. FOR WATER MAIN RELOCATION, PLEASE REFER TO F.A.C. RULE 62-55.314 FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

LEGEND

- PROPERTY / RIGHT-OF-WAY LINE
- TRIPLE CHAMBER BAFFLE BOX
- STORMWATER INLET
- STORMWATER PIPE
- STORMWATER MANHOLE
- STRUCTURE ID
- CONCRETE SIDEWALK (NEW)
- EXISTING GRADE
- EXISTING WATER MAIN
- EXISTING SAN. SEWER
- EXISTING SAN. SEWER FORCE MAIN
- EXISTING TELEPHONE/CABLE
- LANDSCAPE AREA (SOD)
- ADA DETECTABLE WARNING

NOTE: SYMBOLS IN LEGEND ARE NOT TO SCALE

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

KEY WEST OFFICE
1010 EAST KENNEDY DRIVE, SUITE 400
KEY WEST, FLORIDA 33040
TEL: (305) 293-9440 FAX: (305) 296-0243

TAMPA OFFICE
CONCOURSE CENTER
3507 EAST FRANKLIN ROAD, SUITE 140
TAMPA, FLORIDA 33607
TEL: (813) 579-1616 FAX: (813) 288-0710

PEREZ ENGINEERING & DEVELOPMENT, INC
CERTIFICATE OF AUTHORIZATION No. 8579

ALLEN E. PEREZ, P.E.
Florida P.E. NO. 51468
November 13, 2009

REVISIONS:
1 BID PLANS REVISED (PHASE I) 11/10/09
2 BID PLANS REVISED (PHASE II) 11/13/09
3
4
5
6

ORIGINAL: DECEMBER 2008

GRAVITY INJECTION WELLS, PHASE V

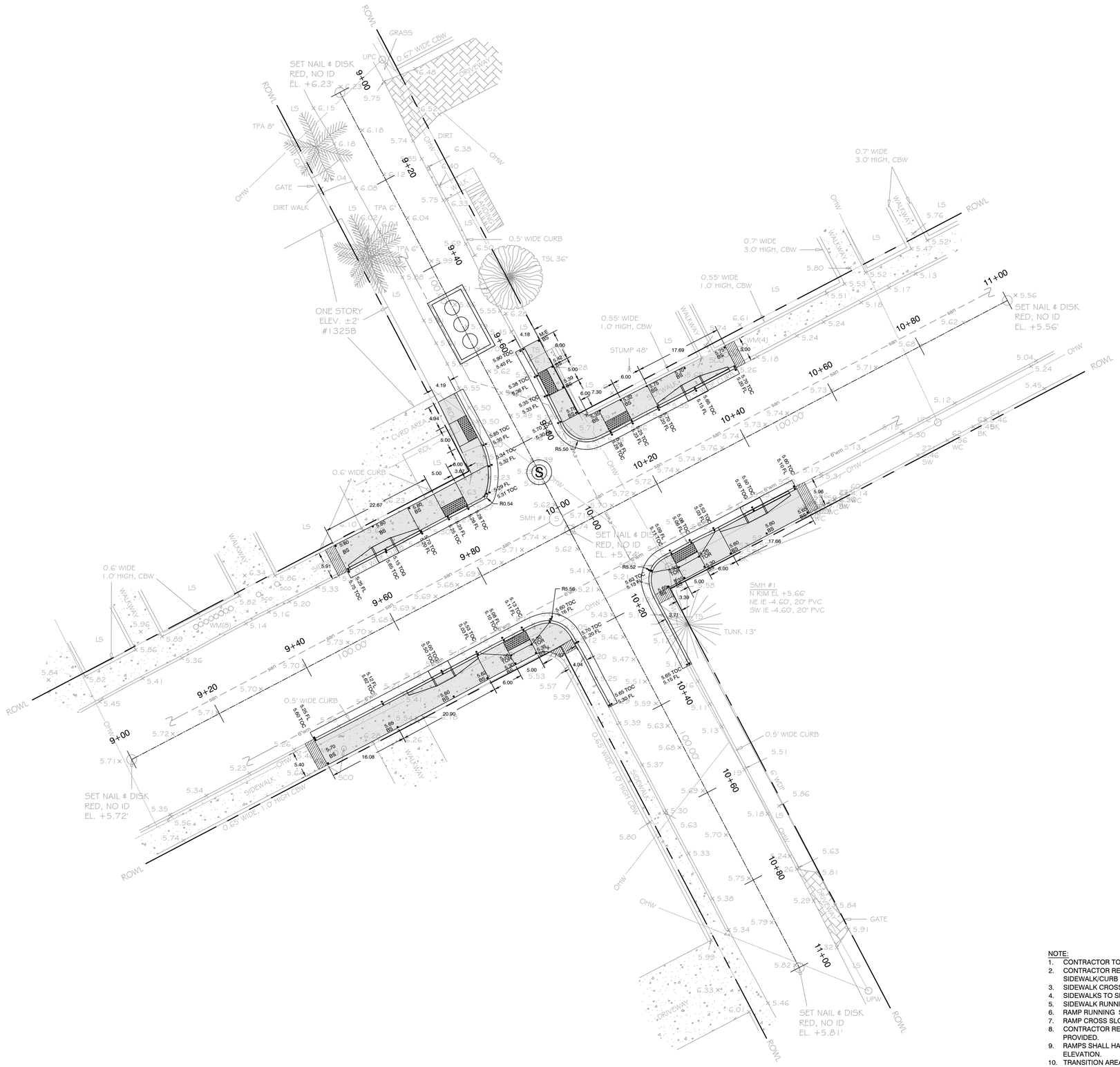
BID PLANS

CAROLINE ST. & ELIZABETH ST.

PLAN & PROFILE

CITY OF KEY WEST
627 PALM AVENUE
KEY WEST, FLORIDA
(305)292-8161

JOB NO. 091023
DRAWN RTM
DESIGNED AEP
CHECKED AEP
QC
SHEET C-12



SCALE 1"=10'
BAR IS TWO INCHES ON ORIGINAL DRAWINGS IF NOT TWO INCHES ON THIS SHEET ADJUST SCALES ACCORDINGLY

LEGEND

FL	FLOW LINE
EOP	EDGE OF PAVEMENT
TOC	TOP OF CURB
TOG	TOP OF GRATE
FS	FRONT OF SIDEWALK
BS	BACK OF SIDEWALK
TOA	TOE OF APRON
TOR	TOP OF RAMP
	ADA DETECTABLE WARNING
	LANDSCAPE AREA (SOD)
	SIDEWALK TRANSITION FROM COMPLIANT TO NON-COMPLIANT

NOTE: SYMBOLS IN LEGEND ARE NOT TO SCALE

NOTE:
1. CONTRACTOR TO REESTABLISH ALL BENCHMARKS AND PROPERTY CORNERS.
2. CONTRACTOR RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS PRIOR TO SIDEWALK/CURB DEMOLITION.
3. SIDEWALK CROSS SLOPE 2% MAX.
4. SIDEWALKS TO SLOPE TOWARD ROADWAY.
5. SIDEWALK RUNNING SLOPE SHALL BE NO GREATER THAN 1:20.
6. RAMP RUNNING SLOPE SHALL BE NO GREATER THAN 1:12.
7. RAMP CROSS SLOPE 2% MAX.
8. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE WHERE NEW ASPHALT IS PROVIDED.
9. RAMPS SHALL HAVE 1/4" DIFFERENCE BETWEEN END OF RAMP AND PAVEMENT ELEVATION.
10. TRANSITION AREAS SHALL HAVE MAXIMUM OF 1:20 SLOPE. TRANSITION AREAS SHALL EXTEND AS NECESSARY TO MATCH EXISTING AND PROVIDE COMPLIANT RUNNING SLOPE.

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

KEY WEST OFFICE
1010 EAST KENNEDY DRIVE, SUITE 400
KEY WEST, FLORIDA 33040
TEL: (305) 293-9440 FAX: (305) 296-0243

TAMPA OFFICE
CONGOURSE CENTER
3507 EAST FRONTAGE ROAD, SUITE 140
TAMPA, FLORIDA 33607
TEL: (813) 579-1016 FAX: (813) 298-0710

PEREZ ENGINEERING & DEVELOPMENT, INC
CERTIFICATE OF AUTHORIZATION No. 8579

ALLEN E. PEREZ, P.E.
Florida P.E. NO. 51468
November 12, 2009

REVISIONS:
1 BID PLANS REVISED (PHASE I) 11/9/09
2 BID PLANS REVISED (PHASE I) 11/19/09
3
4
5
6

ORIGINAL: DECEMBER 2008

GRAVITY INJECTION WELLS, PHASE V
BID PLANS
NEWTON ST. & FLORIDA ST.
ADA SIDEWALK PLAN

CITY OF KEY WEST
627 PALM AVENUE
KEY WEST, FLORIDA
(305)292-8161

JOB NO. 091023
DRAWN RTM
DESIGNED AEP
CHECKED AEP
QC
SHEET C-13