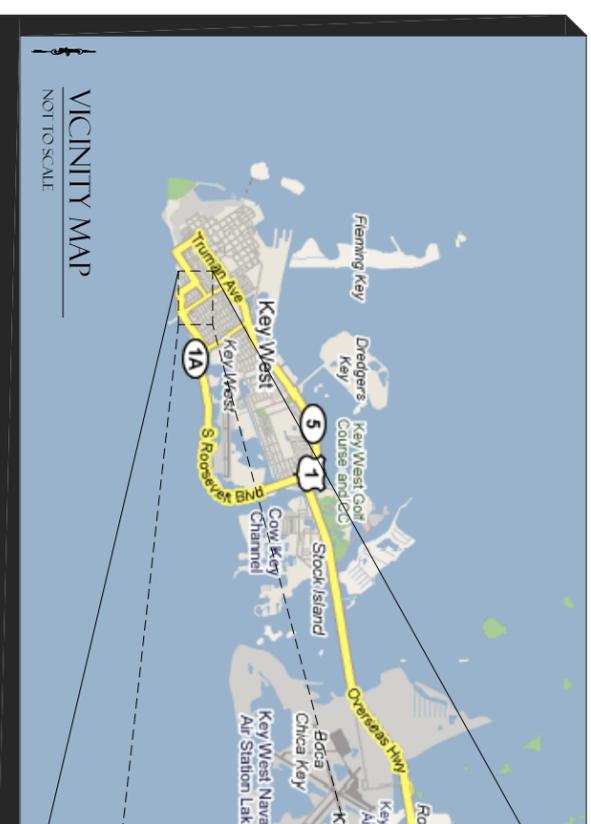


# FLAGLER AVE. SIDEWALK IMPROVEMENTS 1200-1900 BLOCKS FLAGLER AVE.

## BID DOCUMENTS PHASE I : 10+00 - 34+00 PHASE II : 34+00 - 44+00 SECTION 5, TOWNSHIP 68S, RANGE 25E KEY WEST, FLORIDA

48 HOURS BEFORE DIGGING  
CALL TOLL FREE  
**1-800-432-4770**  
SUNSHINE STATE UNDERGROUND  
UTILITIES NOTIFICATION CENTER



PREPARED FOR:

**CITY OF KEY WEST, FLORIDA**  
P.O. BOX 1409  
KEY WEST, FLORIDA 33040



CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT  
**PEREZ ENGINEERING & DEVELOPMENT, INC**  
CERTIFICATE OF AUTHORIZATION NO. 8579  
**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 FRONTAGE ROAD, SUITE 140  
TAMPA, FLORIDA 33607  
TEL: (813) 579-1616 FAX: (813) 288-0710

REVISIONS:

NO.	DESCRIPTION	DATE
1.	Construction Plans Submitted	12/01/08
2.	Bid Plans Submitted	1/24/09
3.		
4.		
5.		
6.		

PERMIT AGENCY	PERMITS TYPE	NUMBER	STATUS

DATE: MARCH 12, 2009  
PROJECT NUMBER: 08026  
PROJECT NAME: FLAGLER AVE. SIDEWALK IMPROVEMENTS  
PREPARED BY: PEREZ ENGINEERING & DEVELOPMENT  
PREPARED FOR: CITY OF KEY WEST  
PLANS DESCRIPTION: BID DOCUMENTS  
**PEREZ ENGINEERING & DEVELOPMENT, INC**  
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### SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
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C-2	GENERAL NOTES
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C-4	PAVING & GRADING PLAN
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C-7	PAVING & GRADING PLAN
C-8	PAVING & GRADING PLAN
C-9	STRIPPING LAYOUT
C-10	STRIPPING LAYOUT
C-11	STRIPPING LAYOUT
C-12	ADA LAYOUT
C-13	ADA LAYOUT
C-14	TYPICAL CROSS SECTION
C-15	CIVIL DETAILS
C-16	CIVIL DETAILS
C-17	INDEXES DETAILS
PHASE I	GRANT IDENTIFICATION NUMBER LAP AGREEMENT # FM 4213-78-1
PHASE II	LAP AGREEMENT # FM 4213-78-2

\*PHASE I & II ARE TO BE BID SEPARATELY

ALLEN E. PEREZ, P.E. NO. 51468 (SEAL)  
DATE

**GENERAL NOTES**

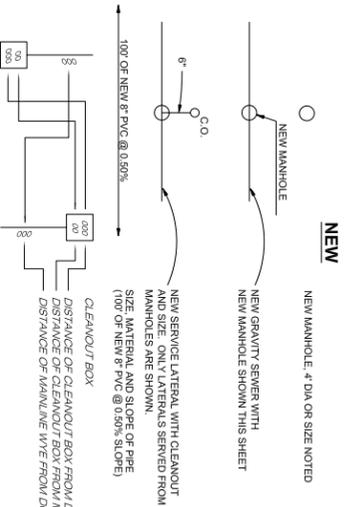
1. THESE DOCUMENTS PREPARED BY PEREZ ENGINEERING FOR THE FLAGLER AVE. PHASE II AND PHASE II IMPROVEMENTS HAVE BEEN PREPARED BASED ON INFORMATION FURNISHED BY OTHERS. THE CITY OF KEY WEST, PROVIDED THE SURVEY AND PRELIMINARY DESIGN. THE FINAL RIGHT OF WAY AND PROPERTY LINE BOUNDARIES WERE ESTABLISHED BY THE CITY'S ENGINEERING DEPT. AND COORDINATED INTO THE PLANS BY PEREZ ENGINEERING. PEREZ ENGINEERING & DEVELOPMENT, INC. HAS NOT CONFIRMED THE ACCURACY OF THE SURVEY AND THEREFORE THE CONTRACTOR IS ADVISED TO OBTAIN INDEPENDENT VERIFICATION FROM THE CITY'S REPRESENTATIVE (S) DURING CONSTRUCTION LAYOUT. BEFORE PROCEEDING WITH CONSTRUCTION.
2. 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.
3. 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.
4. HORIZONTAL COORDINATES ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM. VERTICAL ELEVATIONS ARE BASED ON NAVD 1929 DATUM.
5. 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 BELL SOUTH, 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 (1-800-452-4770 (1-800-SUNSHINE) BEFORE DIGGING OR TRENCHING OPERATIONS BEGIN.
6. 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.
7. 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).
8. ALL ITEMS INDICATED TO BE REMOVED OR DEMOLISHED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND 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.
9. 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.
10. 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.
11. 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.
12. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW-OFF STRUCTURE WITH OUT FIRST OBTAINING A CONSTRUCTION METER FROM THE FLORIDA KEYS AQUEDUCT AUTHORITY.
13. 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.

14. 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.
15. BASE MAP INFORMATION WAS COMPILED FROM THE BEST AVAILABLE SOURCES AND SHOULD NOT BE CONSIDERED SURVEYED DATA. THE BASE MAP IS PROVIDED FOR REPRESENTATION PURPOSES ONLY.
16. 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.
17. THE EXISTING STORM TRENCH SYSTEM, SHOWN ON THE CONSTRUCTION DRAWINGS, HAS BEEN SHOWN PER CITY DRAWINGS AND HAS NOT BEEN FIELD VERIFIED BY PEREZ ENGINEERING & DEVELOPMENT, INC.

**EROSION CONTROL NOTES**

1. EROSION, SEDIMENT, AND TURBIDITY CONTROL MEASURES SHALL BE PROVIDED THROUGHOUT CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND REPAIRING ALL SLOPES AND SURFACES THROUGHOUT CONSTRUCTION AND UNTIL A STABLE SURFACE CONDITION EXISTS. THE CONTRACTOR SHALL MINIMIZE THE EXPOSED AREA AT ANY POINT DURING CONSTRUCTION AS MUCH AS PRACTICAL.
2. FILTER FABRIC SILT FENCE SHALL BE IN CONFORMANCE WITH SECTION 985, FDOT SPECIFICATION.
3. CONTRACTOR SHALL INSTALL EROSION CONTROL NOTED ON DRAWINGS AND APPLICABLE PERMITS. EROSION CONTROLS SHALL BE MAINTAINED UNTIL A PERMANENT STAND OF GRASS IS PLANTED ONSITE.
4. BAILED HAY OR STRAW BARRIERS SHALL BE CONSTRUCTED AND MAINTAINED IN CONFORMANCE WITH FDOT INDEX NO. 103.
5. SILT FENCE LOCATIONS SHOWN HEREON ARE FOR CLARITY ONLY AND SHOULD BE CONSTRUCTED WITHIN PROPERTY LINES.
6. PROVIDE EROSION CONTROL MEASURES CONSISTING OF STAKED SILT FENCES AND HAY BALES ALONG THE PROPOSED LIMITS OF CONSTRUCTION AS INDICATED ON THE DRAWINGS. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO AVOID ADVERSE IMPACTS TO JURISDICTIONAL AREAS (WETLANDS OR WATER BODIES) AND OFF-SITE LANDS AND WATERBODIES. MAINTAIN THESE MEASURED DAILY UNTIL CONSTRUCTION ACCEPTANCE BY THE OWNER AND THEN REMOVE AND LEGALLY DISPOSE OF SAID MEASURES.
7. EROSION CONTROL SHALL MAINTAINED WITHIN CONSTRUCTION AREA BY QUICKLY STABILIZING DISTURBED AREA TO PREVENT THE RELEASE OF SEDIMENT. THIS SHALL BE ACCOMPLISHED USING GRASS COVER, HAY BALES AND OTHER MEANS ACCEPTABLE TO OWNER, ENGINEER AND REGULATORY AGENCIES.
8. DURING CONSTRUCTION, THE CONTRACTOR SHALL, AT THE REQUEST OF THE OWNER OR AS NECESSARY MODIFY, RELOCATE THE ENVIRO-FENCE AND/OR SILT FENCE TO ALLOW FOR ACCESS AND TO COMPLETE CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY MAINTAIN ADEQUATE EROSION CONTROL AT ALL TIMES.
9. DURING CONSTRUCTION, THE CONTRACTOR WILL PROVIDE TEMPORARY SEEDING AND MULCHING FOR AREA THAT HAVE BEEN CLEARED AND NOT REWORKED WITHIN 7 CALENDAR DAYS DURING THE WET SEASON (APRIL THROUGH SEPTEMBER) AND 14 CALENDAR DAYS DURING THE DRY SEASON (OCTOBER THROUGH MARCH). ALSO, ALL SIDE SLOPES SHALL BE SODDED OR SEEDD AND MULCHED WITHIN 7 DAYS DURING WET SEASON AND 14 DAYS DURING THE DRY SEASON.
10. ALL SURFACE WATER DISCHARGE FROM SITE, INCLUDING DEMATERING DISCHARGE SHALL MEET STATE WATER QUALITY STANDARDS (LESS THAN 29 NTU ABOVE BACKGROUND) PRIOR TO REACHING ANY WATERS OF THE STATE INCLUDING WETLAND. WATER FROM DEMATERING SHALL BE HANDLED BY THE APPROVED METHOD IN THE DEMATER PERMIT.
11. IN THE EVENT THAT THE EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THESE PLANS PROVE NOT TO BE EFFECTIVE, ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARDS FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED. ANY ALTERNATE EROSION PREVENTION AND CONTROL DEVICES MUST BE APPROVED BY CITY OF KEY WEST AND SPWMD COMPLIANCE PERSONNEL PRIOR TO PLACEMENT.

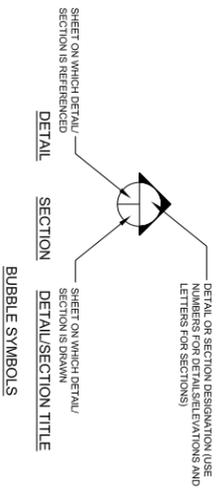
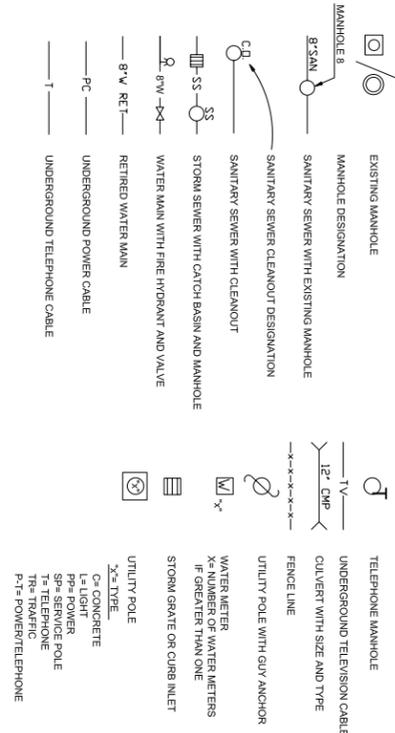
**LEGEND**



**GENERAL**



**EXISTING**



REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	11/01/08
2 Bid Plans Submitted	1/26/09
3	
4	
5	
6	

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

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

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

**KEY WEST OFFICE**  
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KEY WEST, FLORIDA 33040  
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FLAGLER AVE. SIDEWALK IMPROVEMENTS

**BID DOCUMENTS**

**GENERAL NOTES**

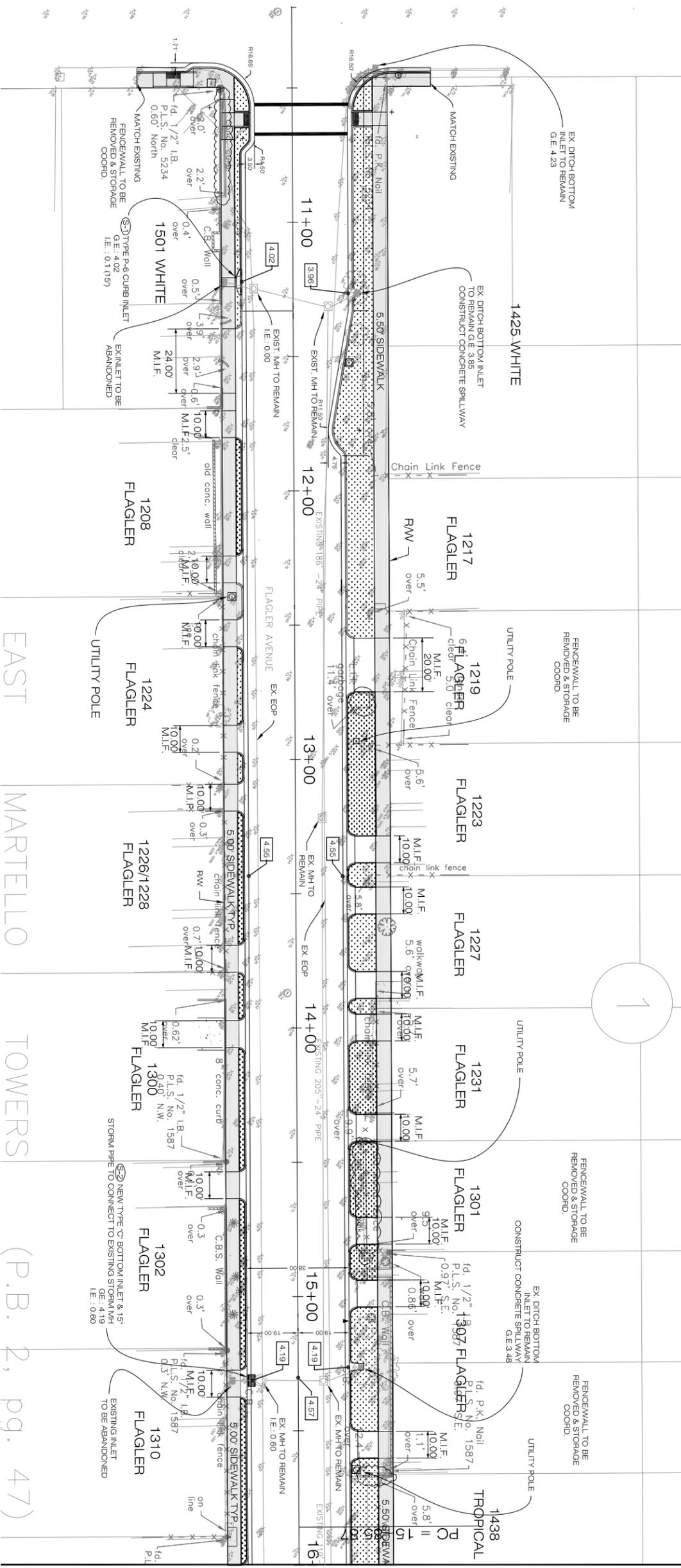
**CITY OF KEY WEST ENG. SERVICES**

525 ANGELA ST. KEY WEST, FL 33040

P.O. BOX 1409 KEY WEST, FL 33041

(305) 809-3965

JOB NO. 08/0208  
DRAWN RTM  
DESIGNED AEP  
CHECKED AEP  
OC  
SHEET C-2

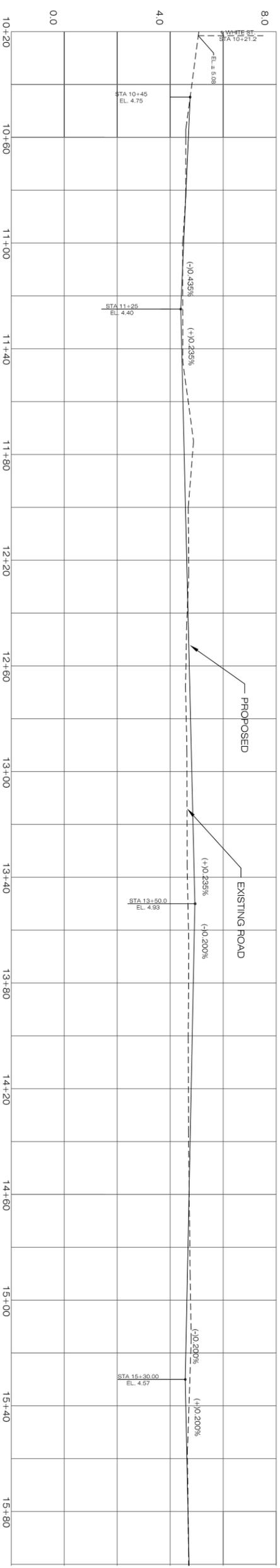
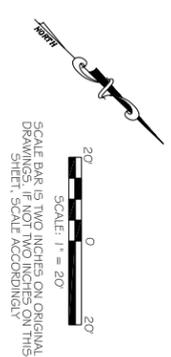


EAST MARTELLO TOWERS (P.B. 2, pg. 47)

- Notes:**
- All crosswalk brick to be placed on a concrete base.
  - A modified Type "D" curb to be utilized at all ADA ramp returns.
  - Contractor to remove fences, walls, etc in City ROW and to coordinate storage with property owners for possible reuse.
  - City to coordinate the relocation of utility poles in conflict with design.
  - Contractor to remove & reinstall City street signs as directed.

**LEGEND**

	LANDSCAPE AREA (SOD)
	ADA DETECTABLE WARNING
	TYPE 'F' CURB
	SIDEWALK LIMITS
	EXISTING STORM MH
	STORM INLET TYPE 5 OR 6 (NEW)
	STORM MANHOLE (NEW)
	PROPOSED ELEV.
	EXISTING ELEV.
	FENCE WALL TO BE REMOVED



STA 16+00  
SEE SHEET C-4

**CITY OF KEY WEST ENG. SERVICES**  
525 ANGELA ST. KEY WEST, FL 33040  
P.O. BOX 1409 KEY WEST, FL 33401  
(305) 809-3965

**FLAGLER AVE. SIDEWALK IMPROVEMENTS**  
BID DOCUMENTS  
PAVING & GRADING PLAN

**REVISIONS:**

1	60% Construction Plans Submitted	12/2/08
2	2d Bid Plans Submitted	1/26/09
3		
4		
5		
6		

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

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

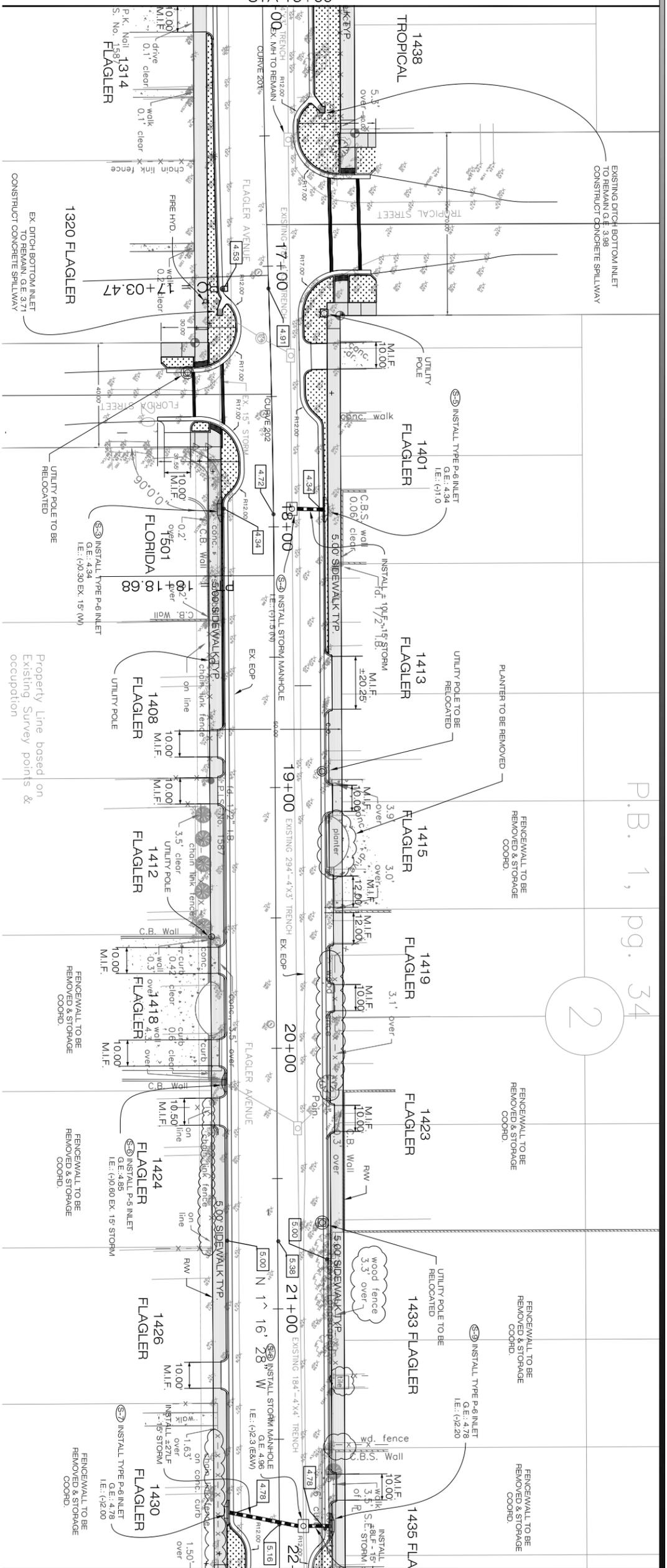
**PEREZ ENGINEERING & DEVELOPMENT, INC.**  
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1010 EAST KENNEDY DRIVE, SUITE 400  
KEY WEST, FLORIDA 33040  
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SEE SHEET C-3

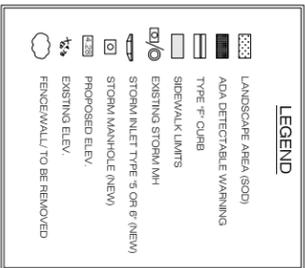
STA 16+00



STA 22+00

SEE SHEET C-5

- Notes:**
- All crosswalk brick to be placed on a concrete base.
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  - City to coordinate the relocation of utility poles in conflict with design.
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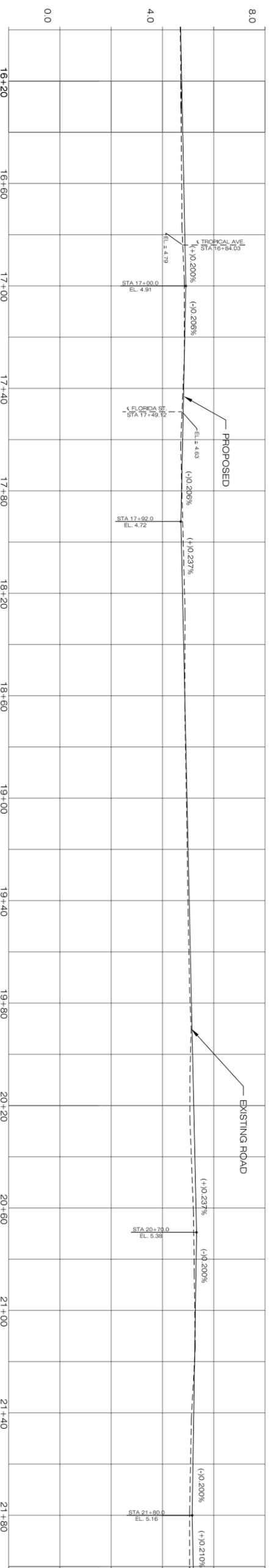


CURVE = 201  
 PC STA. = 15+185.87  
 L = 117.6'  
 R = 4636.9'  
 PT STA. = 17+03.47

CURVE = 202  
 PC STA. = 17+03.47  
 L = 115.21'  
 R = 3952.9'  
 PT STA. = 18+18.68



SCALE BAR IS TWO INCHES ON ORIGINAL DRAWING SHEET. SCALE ACCORDINGLY.



SCALE: H = 20' HORIZONTAL  
 V = 2' VERTICAL

P.B. 1, pg. 34

2

**CITY OF KEY WEST ENG. SERVICES**  
 525 ANGELA ST. KEY WEST, FL 33040  
 P.O. BOX 1409 KEY WEST, FL 33401  
 (305) 809-3965

**FLAGLER AVE. SIDEWALK IMPROVEMENTS**  
 BID DOCUMENTS  
**PAVING & GRADING PLAN**

REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	8/21/08
2 Bid Plans Submitted	1/16/09
3	
4	
5	
6	

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

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

**PEREZ ENGINEERING & DEVELOPMENT, INC.**  
 CERTIFICATE OF AUTHORIZATION NO. 8879

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

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 TAMPA, FLORIDA 33607  
 TEL: (813) 579-1616 FAX: (813) 288-0710

JOB NO. 087028  
 DRAWN BY RTM  
 DESIGNED BY AEP  
 CHECKED BY AEP  
 QC

SHEET C-4

SEE SHEET C-4

STA 22+00

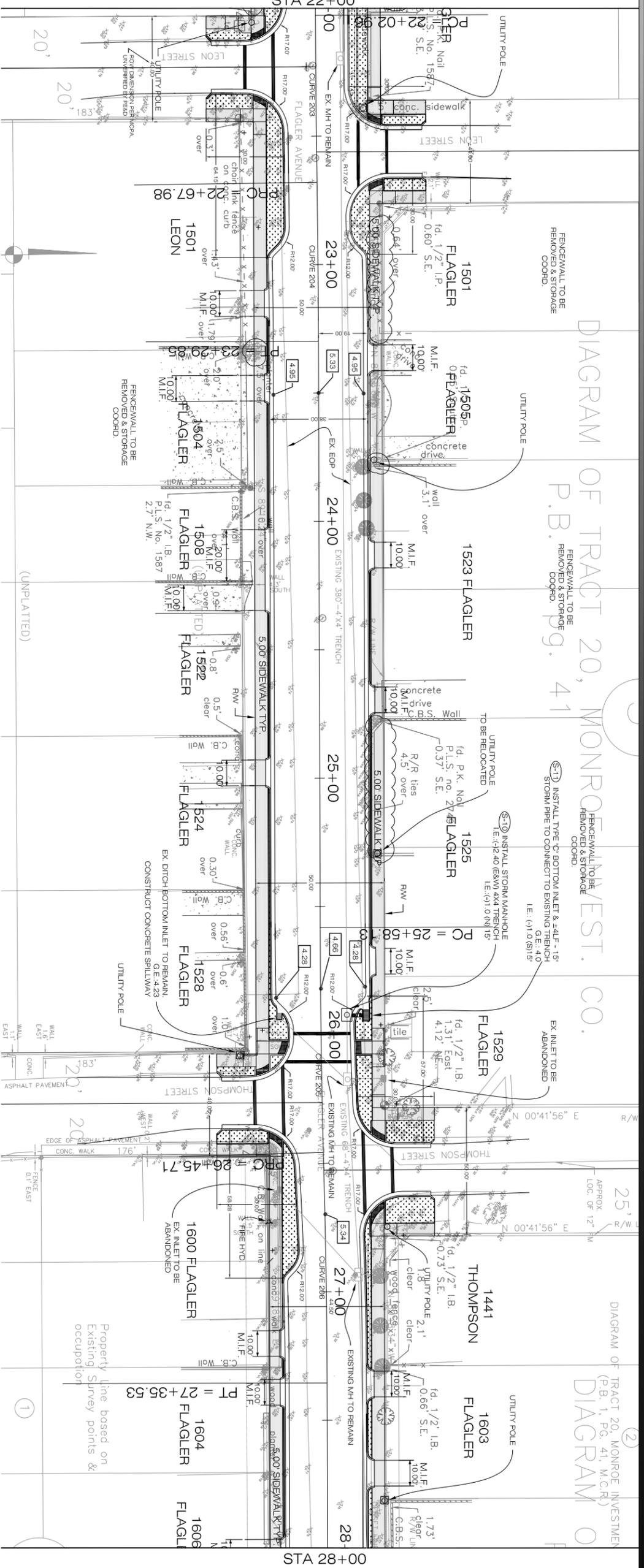
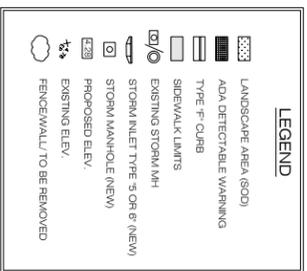


DIAGRAM OF TRACT 20, MONROE INVEST. CO.

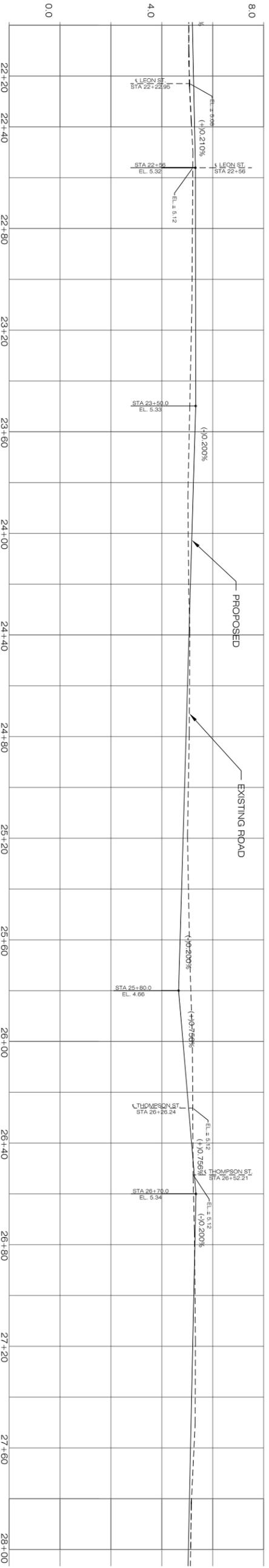
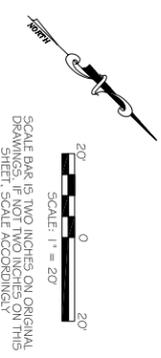
DIAGRAM OF TRACT 20, MONROE INVESTMENT (P.B. 1, PG. 41, M.C.R.)

**Notes:**

- All crosswalk brick to be placed on a concrete base.
- A modified Type "D" curb to be utilized at all ADA ramp returns.
- Contractor to remove fences, walls, etc in City ROW and to coordinate storage with property owners for possible reuse.
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- Contractor to remove & reinstall City street signs as directed.



**CURVE = 203**  
 PC STA = 22+02.96  
 L = 65.02'  
 R = 6001.77'  
 PT STA = 22+67.98  
**CURVE = 204**  
 PC STA = 22+67.98  
 L = 61.87'  
 R = 5271.55'  
 PT STA = 23+29.85'



SEE SHEET C-6

STA 28+00

**CITY OF KEY WEST ENG. SERVICES**  
 525 ANGELA ST. KEY WEST, FL 33040  
 P.O. BOX 1409 KEY WEST, FL 33401  
 (305) 809-3965

**FLAGLER AVE. SIDEWALK IMPROVEMENTS**  
 BID DOCUMENTS  
**PAVING & GRADING PLAN**

REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	11/21/08
2 Bid Plans Submitted	1/16/09
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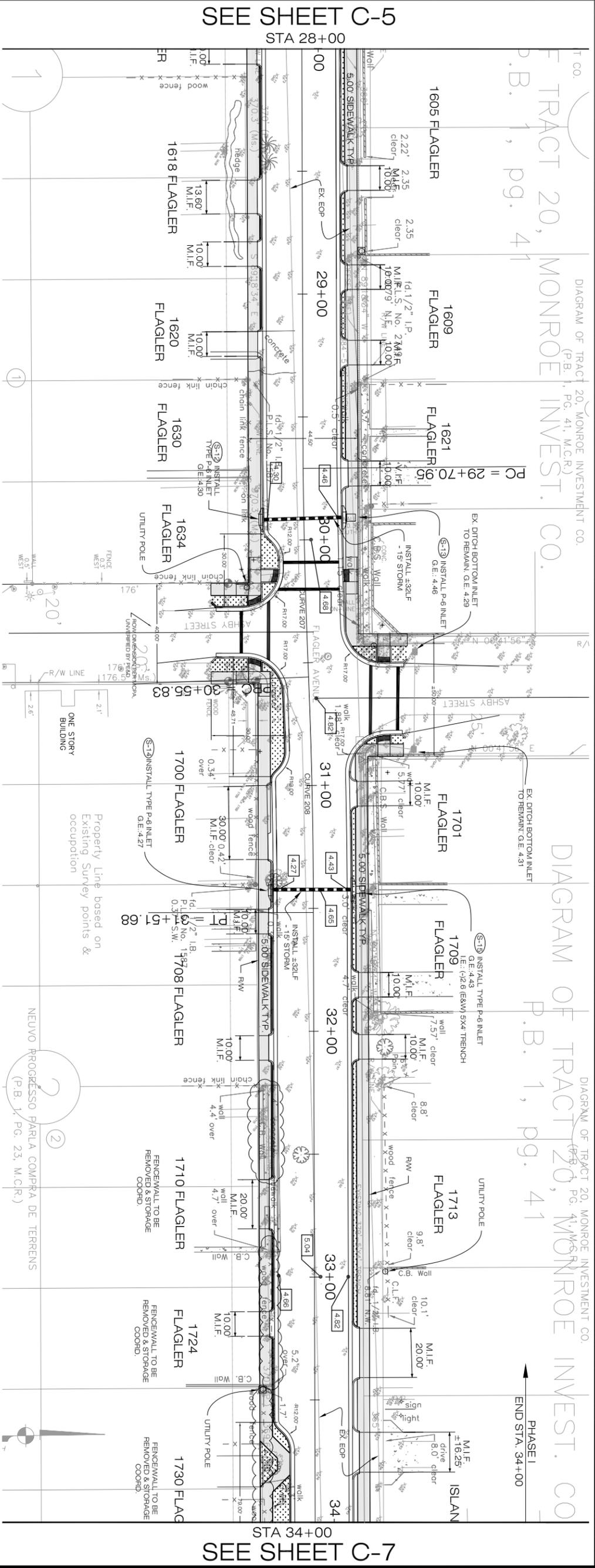
ALLEN E. PEREZ, P.E.  
 Florida P.E. NO. 51468  
 March 12, 2009

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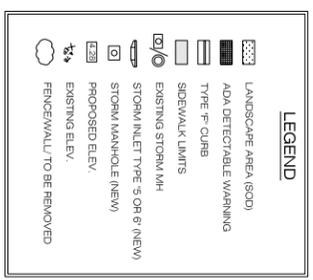
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SEE SHEET C-5  
STA 28+00

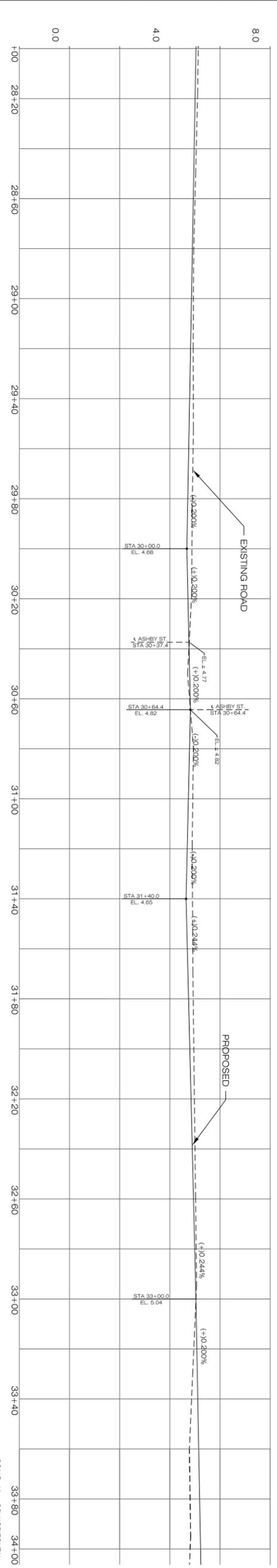
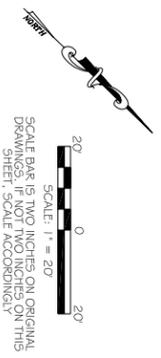
STA 34+00  
SEE SHEET C-7

- Notes:
- All crosswalk brick to be placed on a concrete base.
  - A modified Type "D" curb to be utilized at all ADA ramp returns.
  - Contractor to remove fences, walls, etc in City ROW and to coordinate storage with property owners for possible reuse.
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  - Contractor to remove & reinstall City street signs as directed.



**CURVE = 207**  
 PC STA. = 29+70.95  
 L = 84.88'  
 R = 2838.48'  
 PT STA. = 30+55.83

**CURVE = 208**  
 PC STA. = 30+55.83  
 L = 95.84'  
 R = 2466.51'  
 PT STA. = 31+51.68



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**FLAGLER AVE. SIDEWALK IMPROVEMENTS**  
 BID DOCUMENTS  
 PAVING & GRADING PLAN

REVISIONS:	ORIGINAL:
1 100% Construction Plans Submitted	11/21/08
2 Bid Plans Submitted	1/16/09
3	
4	
5	
6	

ALLEN E. PEREZ, P.E.  
 Florida P.E. NO. 51468  
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CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

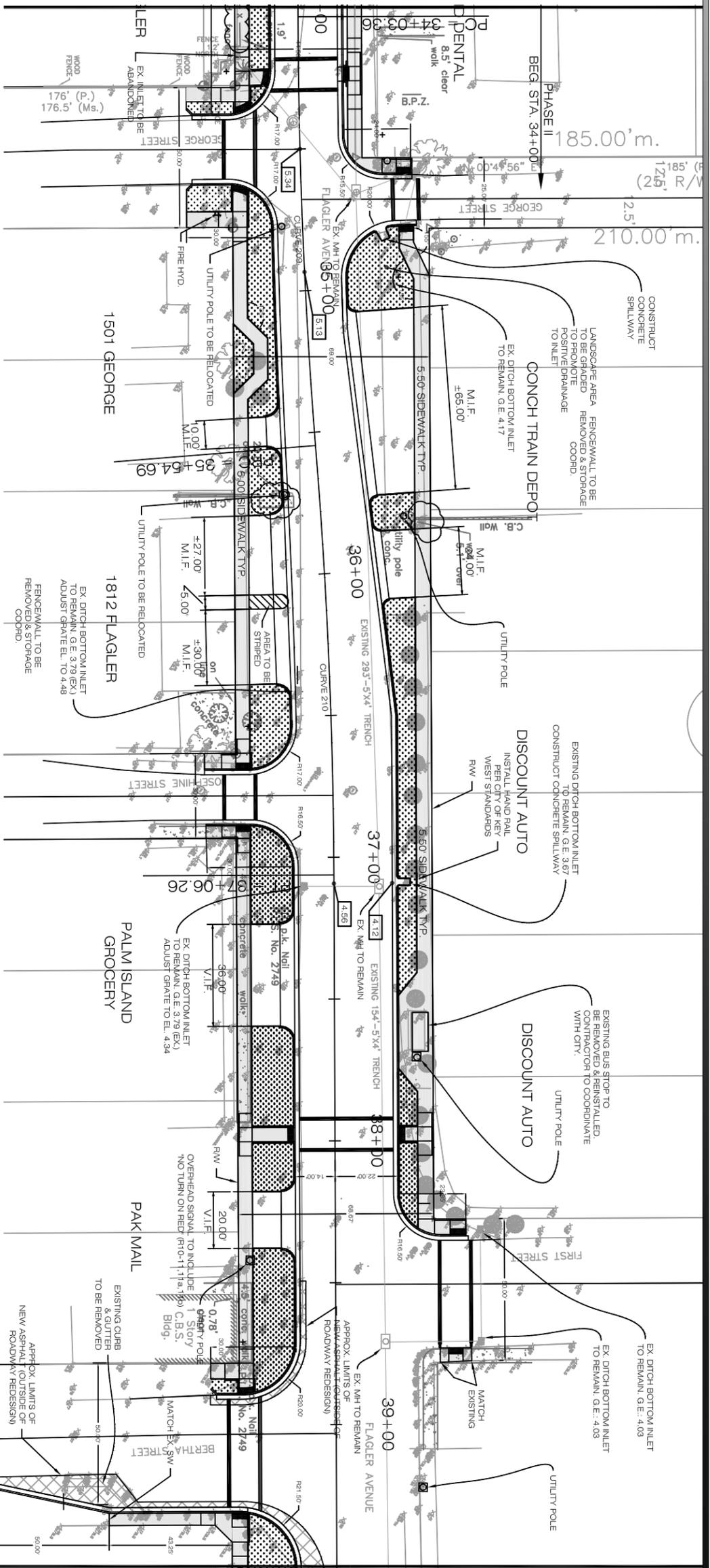
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SEE SHEET C-6

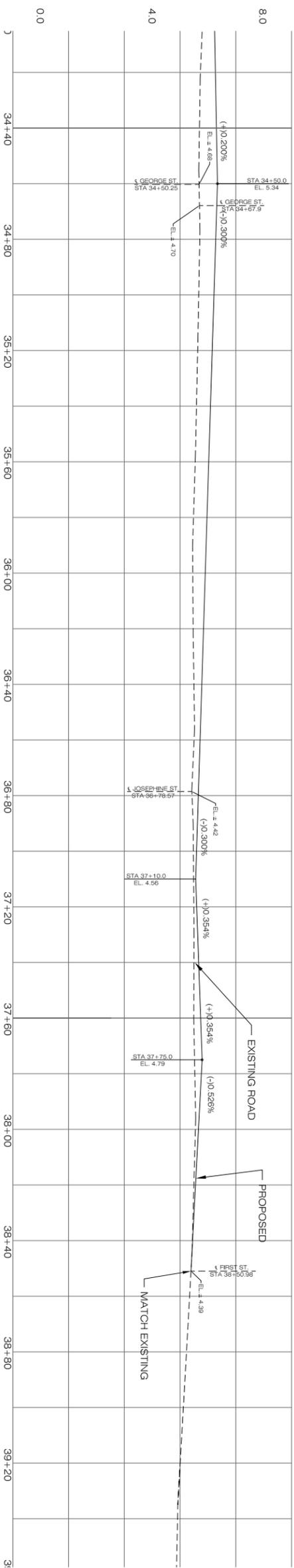
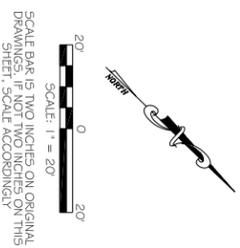
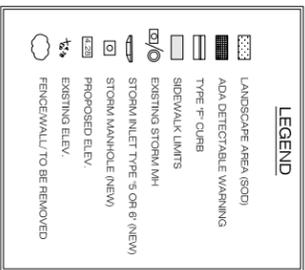
STA 34+00



STA 39+50  
SEE SHEET C-8

- Notes:
- All crosswalk brick to be placed on a concrete base.
  - A modified Type "D" curb to be utilized at all ADA ramp returns.
  - Contractor to remove fences, walls, etc in City ROW and to coordinate storage with property owners for possible reuse.
  - City to coordinate the relocation of utility poles in conflict with design.
  - Contractor to remove & reinstall City street signs as directed.

CURVE = 209  
 PC STA. = 34+03.36  
 L = 151.32'  
 R = 2001.25'  
 PT STA. = 35+54.69  
 CURVE = 210  
 PC STA. = 35+54.69  
 L = 151.56'  
 R = 1958.09'  
 PT STA. = 37+06.26



SCALE: 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

**CITY OF KEY WEST ENG. SERVICES**  
 525 ANGELA ST. KEY WEST, FL 33040  
 P.O. BOX 1409 KEY WEST, FL 33401  
 (305) 809-3965

**FLAGLER AVE. SIDEWALK IMPROVEMENTS**  
 BID DOCUMENTS  
**PAVING & GRADING PLAN**

REVISED:	ORIGINAL:
1 60% Construction Plans Submitted	11/21/08
2 Bid Plans Submitted	1/16/09
3	
4	
5	
6	

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

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

**PEREZ ENGINEERING & DEVELOPMENT, INC.**  
 CERTIFICATE OF AUTHORIZATION NO. 8879

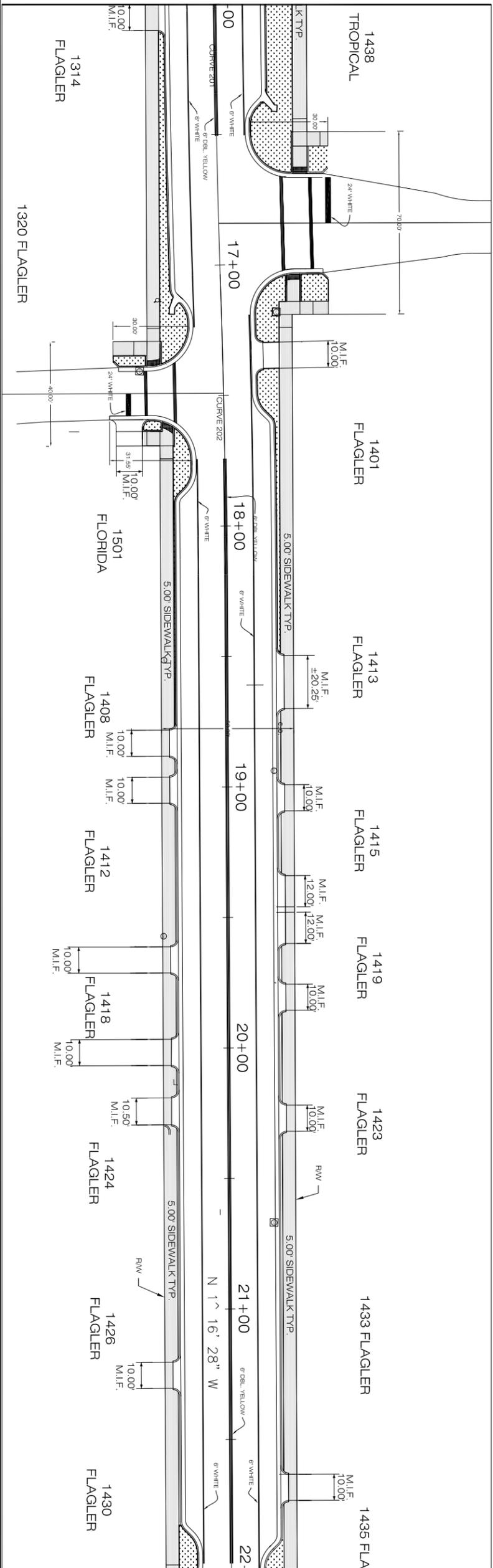
**KEY WEST OFFICE**  
 1010 EAST KENNEDY DRIVE, SUITE 400  
 KEY WEST, FLORIDA 33040  
 TEL: (305) 2959440 FAX: (305) 2960249

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

JOB NO.	087028
DRAWN	RTM
DESIGNED	AEP
CHECKED	AEP
QC	
SHEET	



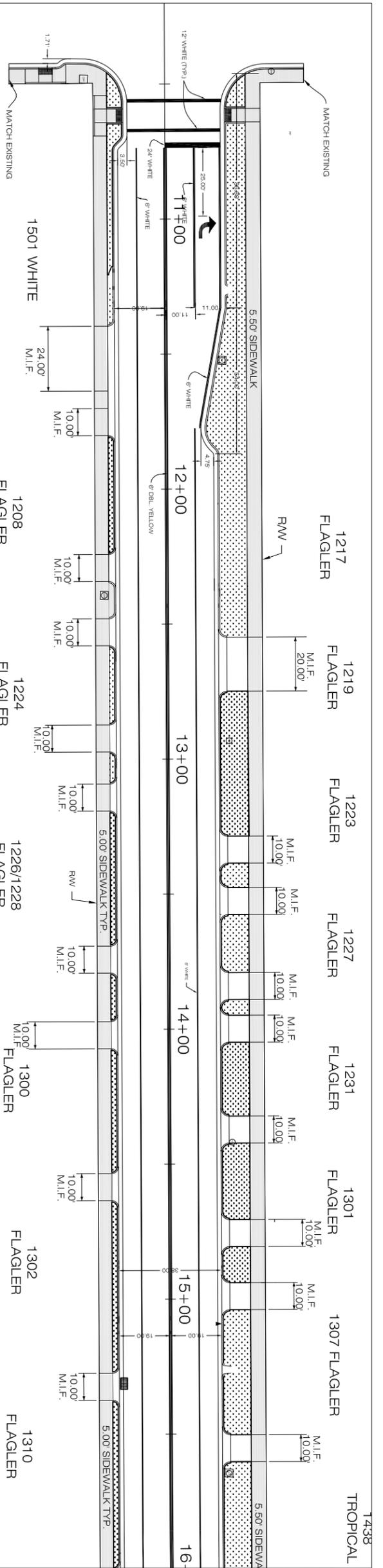
STA. 16+00



STA. 22+00



1. ALL EXISTING SIGNS SHALL BE RELOCATED AS REQUIRED.
2. NEW SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED PER FDOT STANDARDS.



STA. 16+00

CITY OF KEY WEST ENG. SERVICES  
525 ANGELA ST. KEY WEST, FL 33040  
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(305) 809-3965

FLAGLER AVE. SIDEWALK IMPROVEMENTS  
BID DOCUMENTS  
STRIPING LAYOUT

REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	11/01/08
2 Bid Plans Submitted	1/26/09
3	
4	
5	
6	

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

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

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

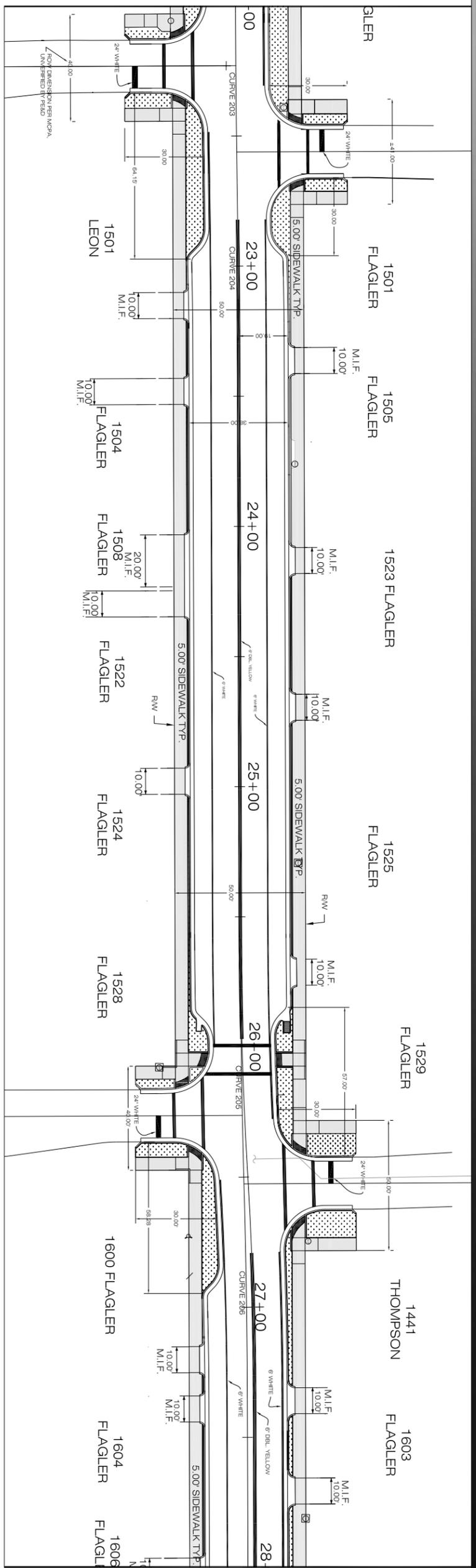
**KEY WEST OFFICE**  
1010 EAST KENNEDY DRIVE, SUITE 400  
KEY WEST, FLORIDA 33040  
TEL: (305) 293-9440 FAX: (305) 296-0243

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

JOB NO. 081028  
DRAWN BY RTM  
DESIGNED BY AEP  
CHECKED BY AEP  
DATE 03/12/09

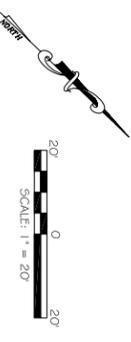
C-9 SHEET

STA. 22+00

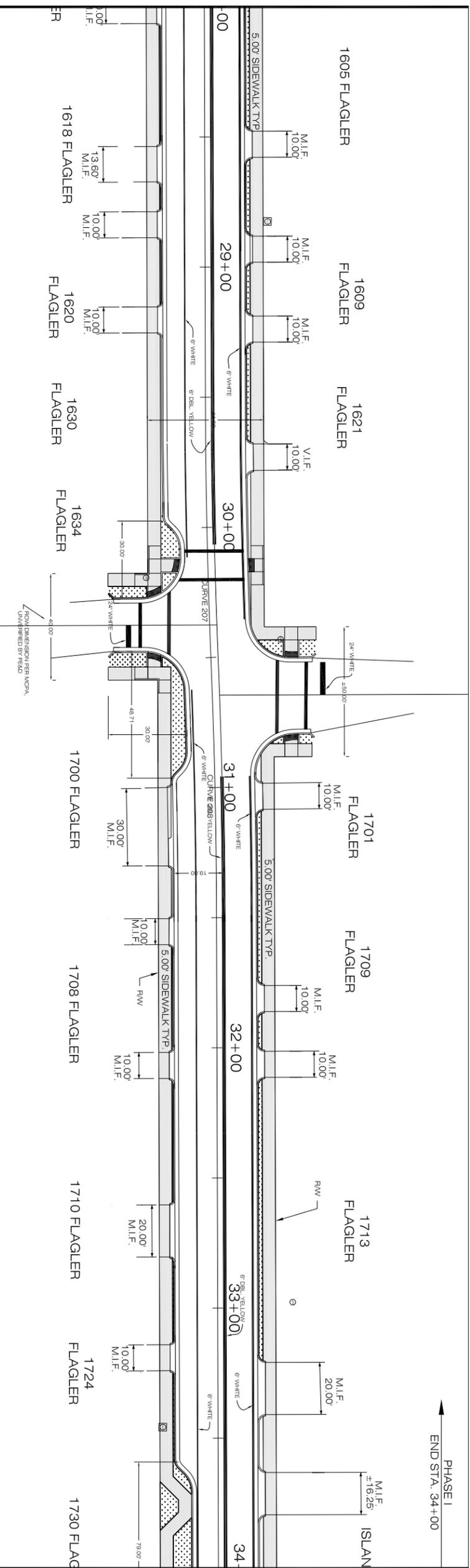


STA. 28+00

1. ALL EXISTING SIGNS SHALL BE RELOCATED AS REQUIRED.
2. NEW SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED PER FDOT STANDARDS.



STA. 28+00



STA. 34+00

**CITY OF KEY WEST ENG. SERVICES**  
 525 ANGELA ST. KEY WEST, FL 33040  
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 (305) 809-3965

**FLAGLER AVE. SIDEWALK IMPROVEMENTS**  
 BID DOCUMENTS  
**STRIPING LAYOUT**

REVISIONS:	ORIGINAL:
1 40% Construction Plans Submitted	12/01/08
2 Bid Plans Submitted	1/26/09
3	
4	
5	
6	

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

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

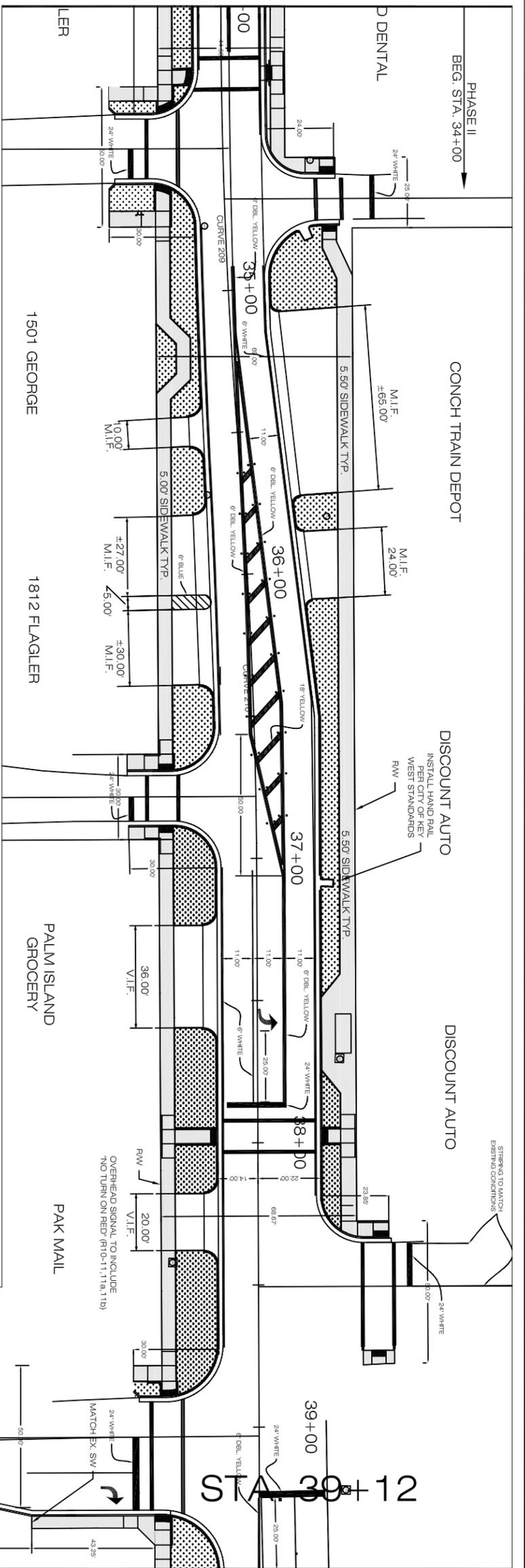
**PEREZ ENGINEERING & DEVELOPMENT, INC.**  
 CERTIFICATE OF AUTHORIZATION No. 8579

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 1010 EAST KENNEDY DRIVE, SUITE 400  
 KEY WEST, FLORIDA 33040  
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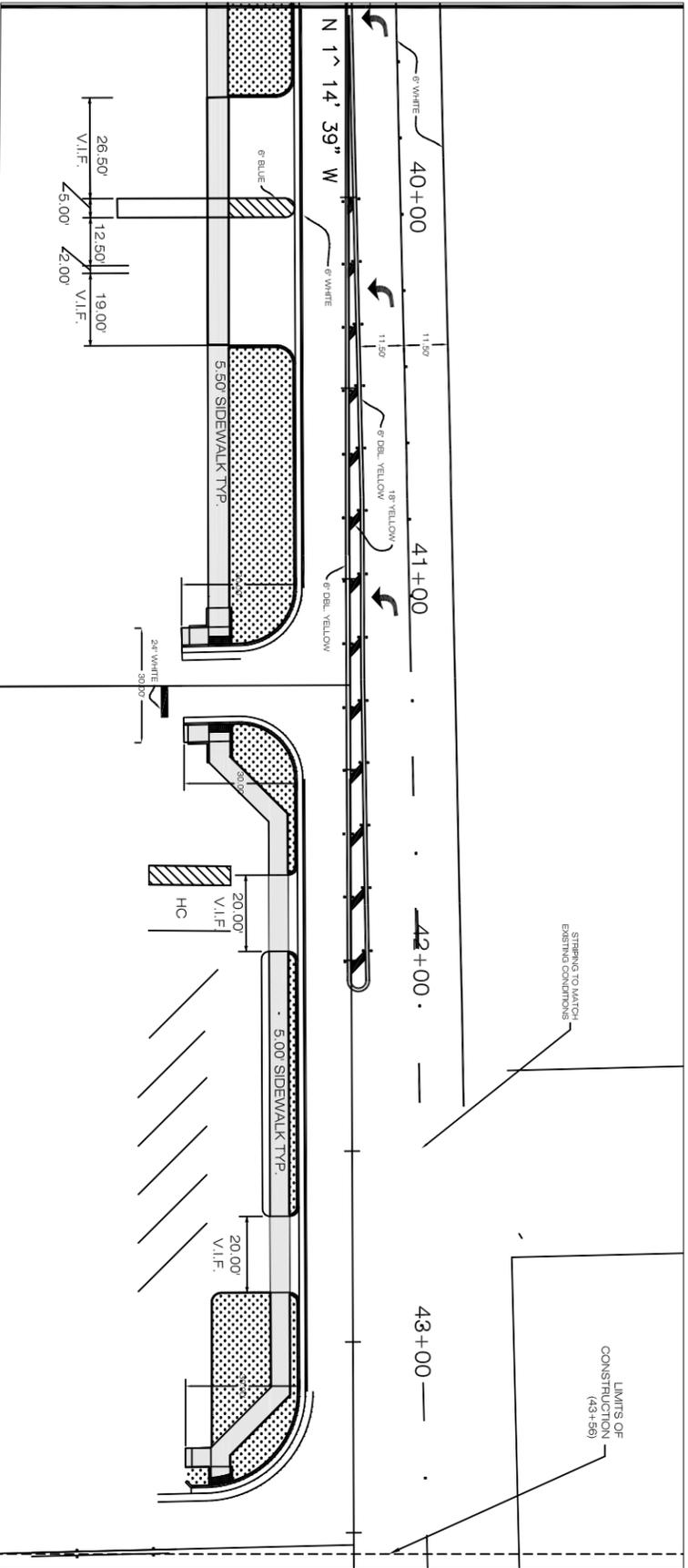
JOB NO. 081226  
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 DESIGNED: AEP  
 CHECKED: AEP  
 DATE: 02/09

STA. 34+00

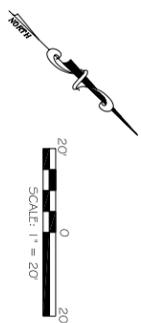


STA. 39+50

STA. 39+50



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2. NEW SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED PER FDOT STANDARDS.



CITY OF KEY WEST ENG. SERVICES  
 525 ANGELA ST. KEY WEST, FL 33040  
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 (305) 809-3965

FLAGLER AVE. SIDEWALK IMPROVEMENTS  
 BID DOCUMENTS  
 STRIPING LAYOUT

REVISIONS:	ORIGINAL:
1 62% Construction Plans Submitted	11/21/28
2 Bid Plans Submitted	1/16/29
3	
4	
5	
6	

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

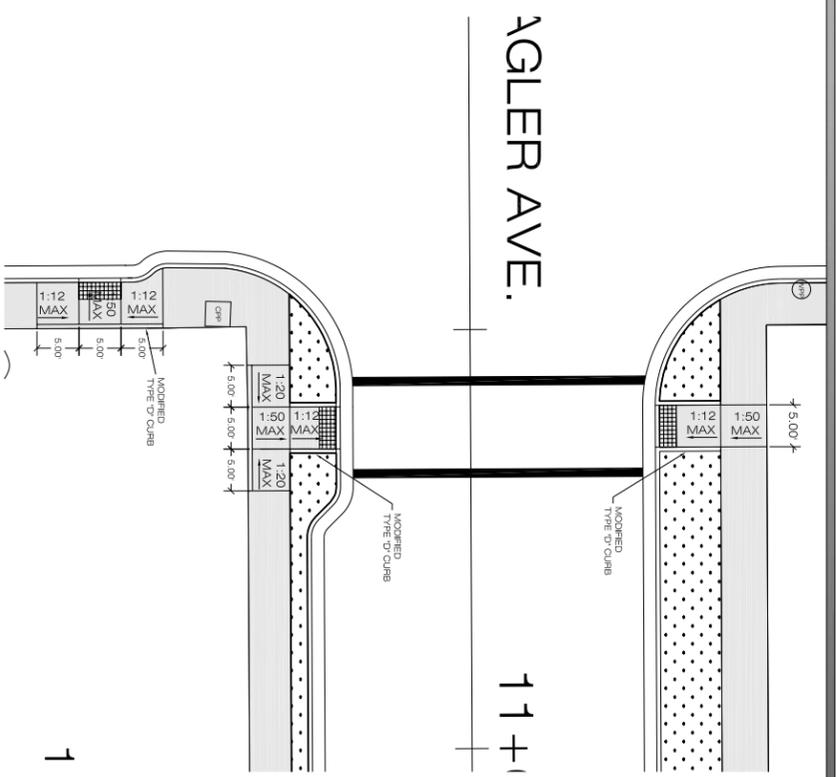
CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

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

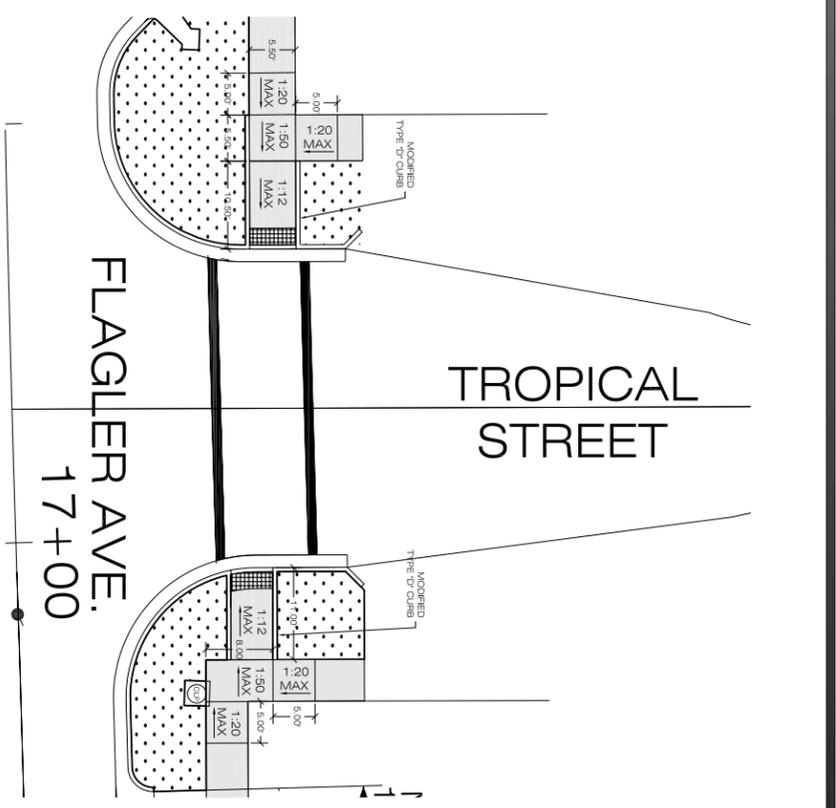
**KEY WEST OFFICE**  
 1010 EAST KENNEDY DRIVE, SUITE 400  
 KEY WEST, FLORIDA 33040  
 TEL: (305) 2939440 FAX: (305) 2960243

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

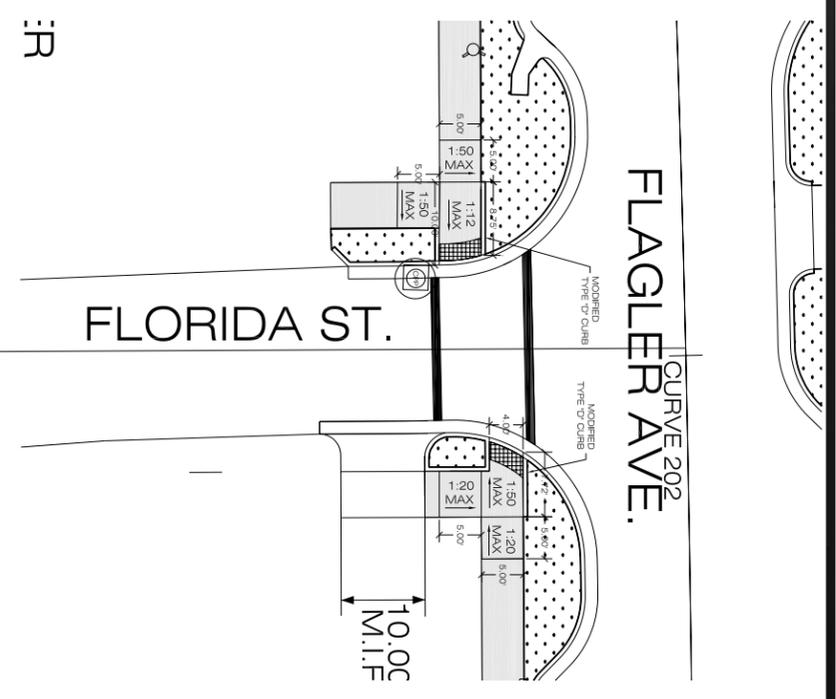
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 DRAWN BY RTM  
 DESIGNED BY AEP  
 CHECKED BY AEP  
 QC  
 SHEET C-11



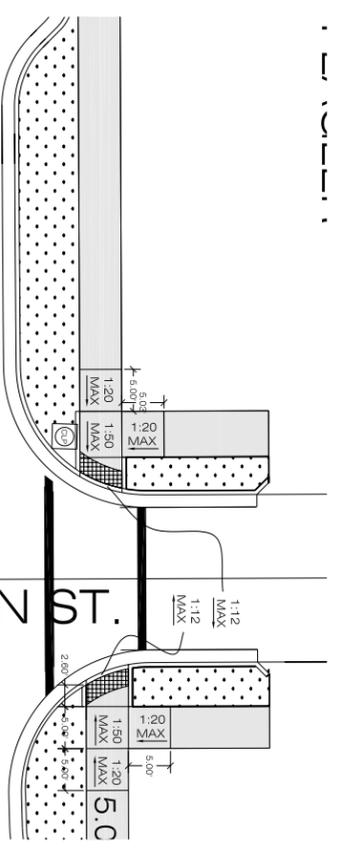
AGLER AVE.  
11+11  
1



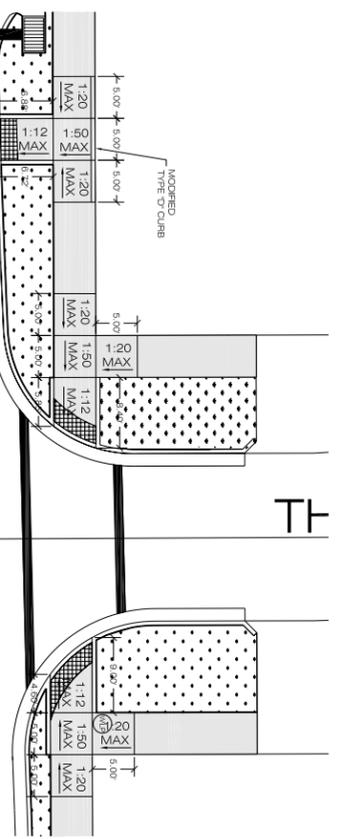
TROPICAL ST. & FLAGLER AVE.  
17+05  
1



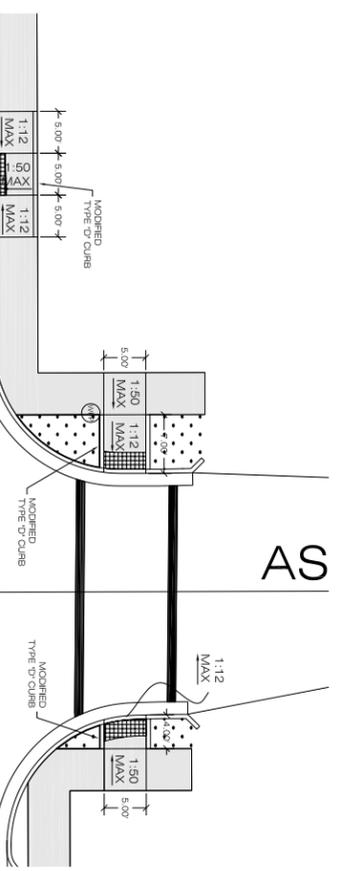
FLORIDA ST. & FLAGLER AVE.  
31+05  
1



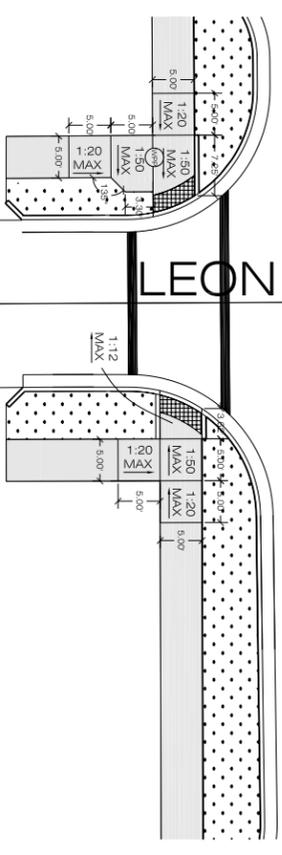
22+05  
CURVE 203  
LEON ST.



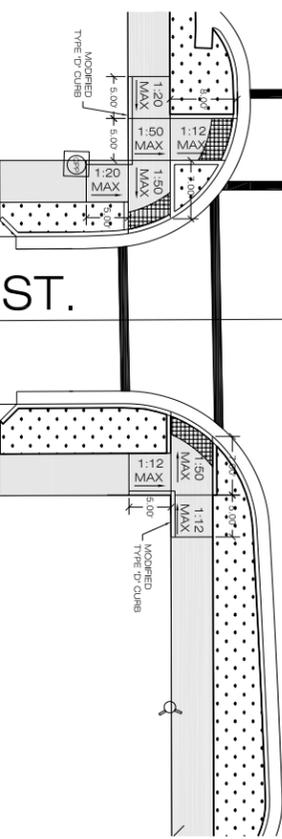
26+05  
CURVE 205  
FLAGLER AVE.



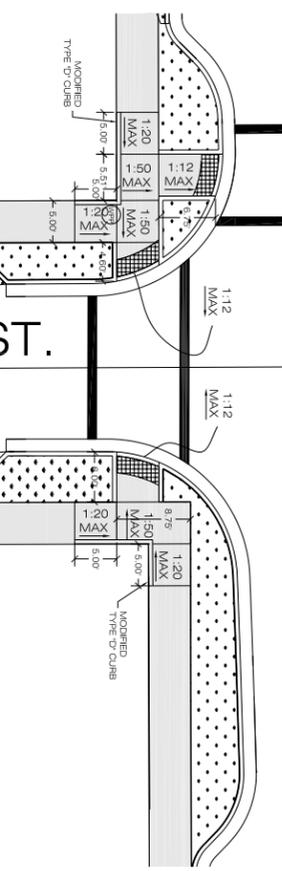
31+05  
CURVE 207  
FLAGLER AVE.



LEON ST. & FLAGLER AVE.  
11+05  
1



THOMPSON ST. & FLAGLER AVE.  
26+05  
1



ASHBY ST. & FLAGLER AVE.  
31+05  
1

REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	12/2/08
2 Bid Plans Submitted	1/26/09
3	
4	
5	
6	

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

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

**PEREZ ENGINEERING & DEVELOPMENT, INC.**  
CERTIFICATE OF AUTHORIZATION No. BR79

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

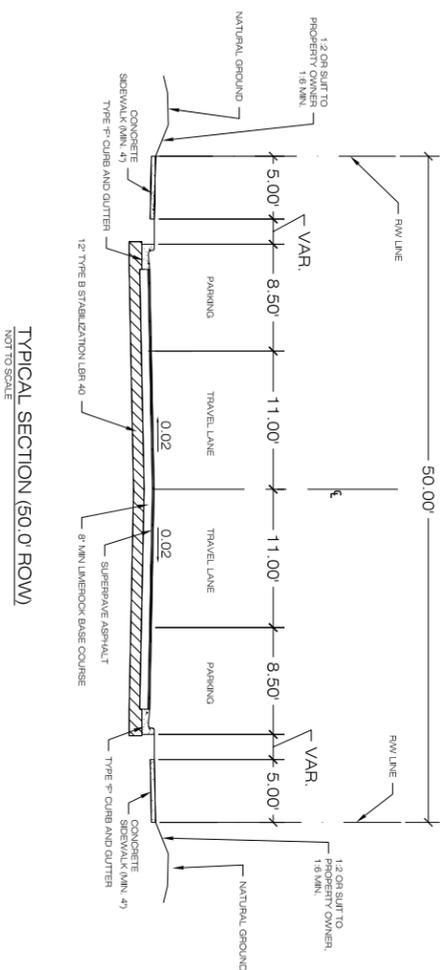
**TAMPA OFFICE**  
CONCOURSE CENTER  
3507 EAST FRONTAGE ROAD, SUITE 140  
TAMPA, FLORIDA 33607  
TEL: (813) 579-1616 FAX: (813) 288-0710

FLAGLER AVE. SIDEWALK IMPROVEMENTS  
BID DOCUMENTS  
ADA LAYOUT

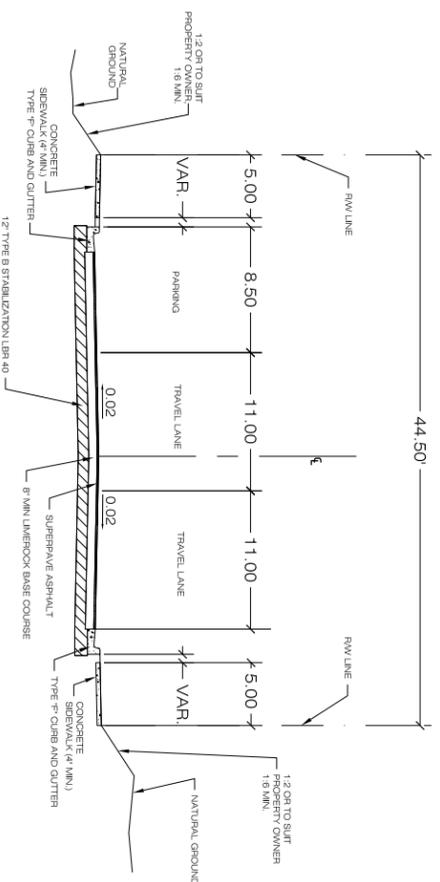
CITY OF KEY WEST ENG. SERVICES  
525 ANGELA ST. KEY WEST, FL 33040  
P.O. BOX 1409 KEY WEST, FL 33401  
(305) 809-3965

JOB NO. 081028  
DRAWN RTM  
DESIGNED AEP  
CHECKED AEP  
OC  
SHEET C-12

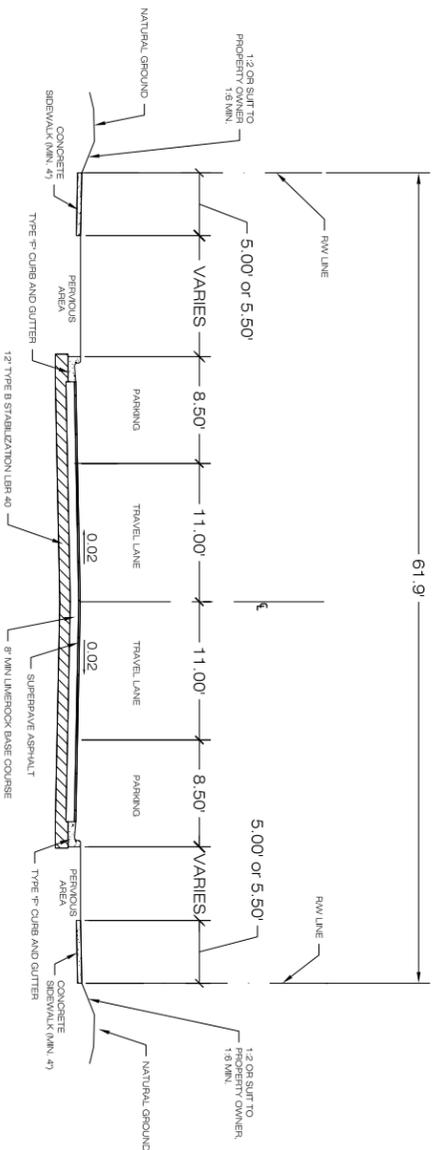




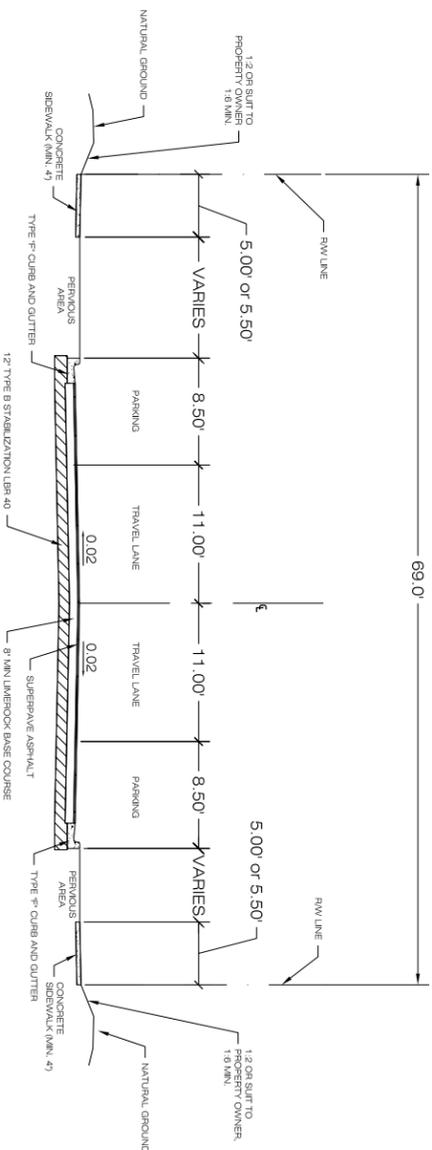
TYPICAL SECTION (60.0' ROW)  
NOT TO SCALE



TYPICAL SECTION (44.5' ROW)  
NOT TO SCALE

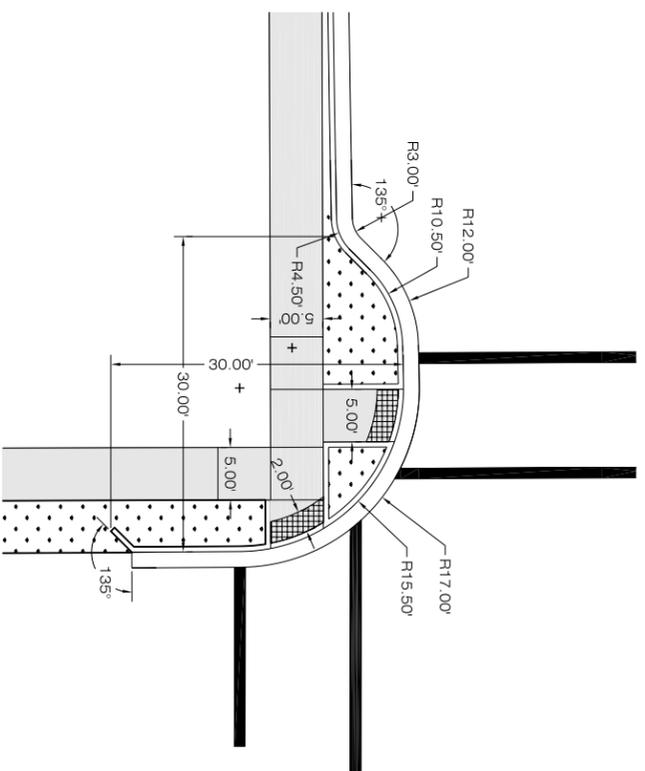


TYPICAL SECTION (61.9' ROW)  
NOT TO SCALE



TYPICAL SECTION (69.0' ROW)  
NOT TO SCALE

**RESURFACING**  
TYPE SP STRUCTURAL COURSE (TRAFFIC C)  
(3/4") AND FRICTION COURSE  
(FC-9.5)(1")(RUBBER)  
**WIDENING**  
STRUCTURAL COURSE  
(TRAFFIC C) (2.5") AND FRICTION COURSE  
(FC-9.5)(1")(RUBBER)



TYPICAL BULB-OUT DETAIL  
NOT TO SCALE

REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	11/21/08
2 Bid Plans Submitted	1/26/09
3	
4	
5	
6	

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

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

**KEY WEST OFFICE**  
1010 EAST KENNEDY DRIVE, SUITE 400  
KEY WEST, FLORIDA 33040  
TEL: (305) 295-9440 FAX: (305) 295-0243

**TAMPA OFFICE**  
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TAMPA, FLORIDA 33607  
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**PEREZ ENGINEERING & DEVELOPMENT, INC.**  
CERTIFICATE OF AUTHORIZATION NO. 8579

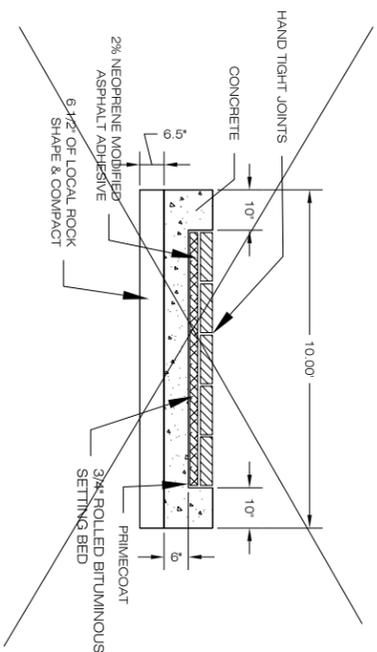
CITY OF KEY WEST ENG. SERVICES  
525 ANGELA ST. KEY WEST, FL 33040  
P.O. BOX 1409 KEY WEST, FL 33401  
(305) 809-3965

FLAGLER AVE. SIDEWALK IMPROVEMENTS  
BID DOCUMENTS

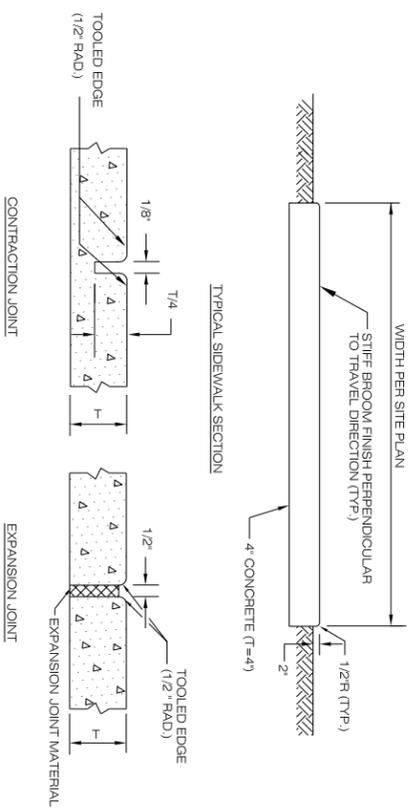
TYPICAL CROSS SECTION

JOB NO. 081028  
DRAWN RTM  
DESIGNED AEP  
CHECKED AEP  
OC

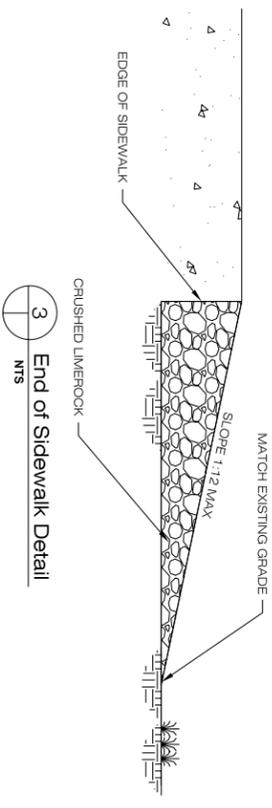
C-14  
SHEET



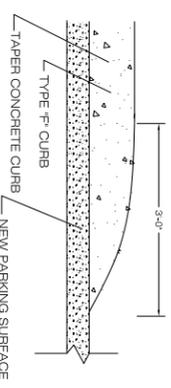
1 Brick Crosswalk Detail  
NTS



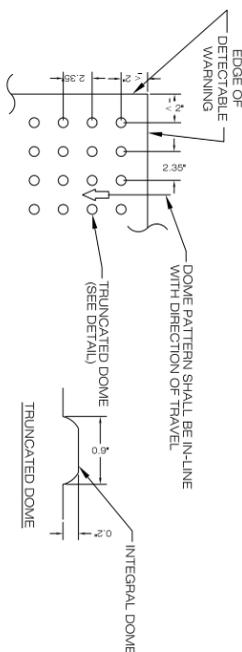
2 Typical Sidewalk Detail  
NTS



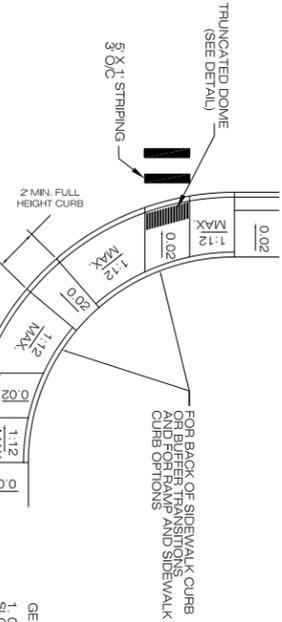
3 End of Sidewalk Detail  
NTS



4 Tapered Curb Detail  
NTS



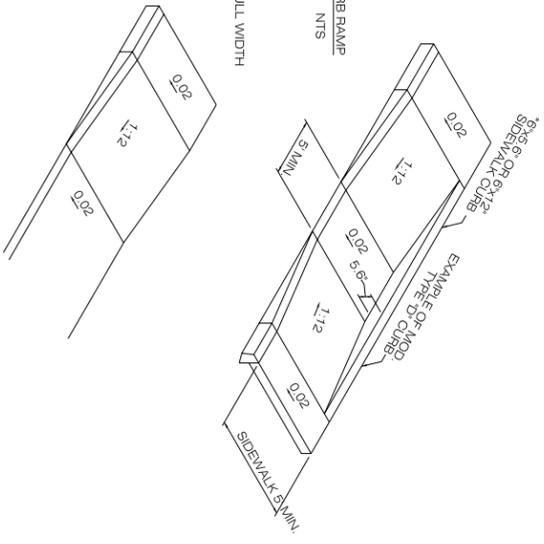
ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES (610 mm) FROM THE BACK OF CURB.  
CURB RAMP DETECTABLE WARNING  
NTS



NOTE:  
EXTENSION OF ONE OR BOTH RAMPS MAY EXTEND OUTSIDE THE RETURN

TYPICAL PLACEMENT OF SIDEWALK CURB RAMPS AT CURBED RETURNS  
NTS

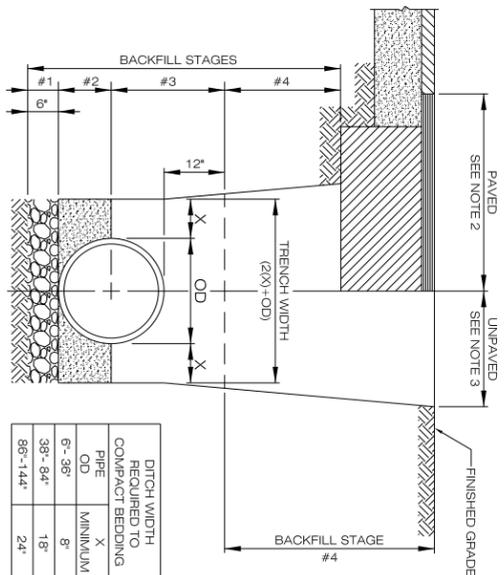
5 Sidewalk Transition Detail  
NTS



TYPICAL SW TO DRIVEWAY TRANSITION  
NTS

GENERAL NOTE:  
1. CURB RAMP FINISHING SLOPES AT UNDESIGNED SITES SHALL NOT BE STEEPER THAN 1:1.2 AND CROSS SLOPES SHALL NOT BE STEEPER THAN 1:1.2.  
2. CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24\"/>

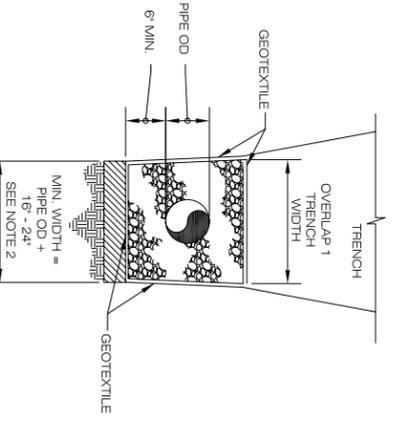
DESIGN NOTE:  
1. THE COLOR REQUIREMENT IN GENERAL NOTE 3 IS TO PROVIDE A DARK-ON-LIGHT VISUAL CONTRAST BETWEEN THE DETECTABLE WARNING SURFACE AND THE ADJACENT WALKING SURFACE. WHERE ADJACENT WALKING SURFACES ARE COLORED OR ARE CONSTRUCTED WITH MATERIALS OTHER THAN STANDARD CLASS 1 PORTLAND CEMENT CONCRETE,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



STAGE	BEDDING 57 STONE	MATERIAL
#1	PIPE BEDDING, 57 STONE	
#2	PIPE BACKFILL, 57 STONE	
#3	TRENCH BACKFILL, 57 STONE	
#4	PIPE BEDDING, 57 STONE UNBEDDED LIFTS GRASS SURFACE IN 12\"/>	

NOTES:  
1. ALL BACKFILL SHALL BE PLACED IN LIFTS AND COMPACTED AS PER SPECIFICATION.

6 Pipe Bedding Detail  
NTS



1. GEOTEXTILE MATERIAL AROUND ALL STORMWATER PIPES AND BOTTOM OF STRUCTURES, AND WHEN DIRECTED BY THE ENGINEER.  
2. MAX PAYMENT PER 6\"/>

7 Geotextile Wrap of Pipe Zone  
NTS

REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	11/21/08
2 Bid Plans Submitted	1/26/09
3	
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ALLEN E. PEREZ, P.E.  
Florida P.E. NO. 51468  
March 12, 2009

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

**PEREZ ENGINEERING & DEVELOPMENT, INC**  
CERTIFICATE OF AUTHORIZATION No. 8879

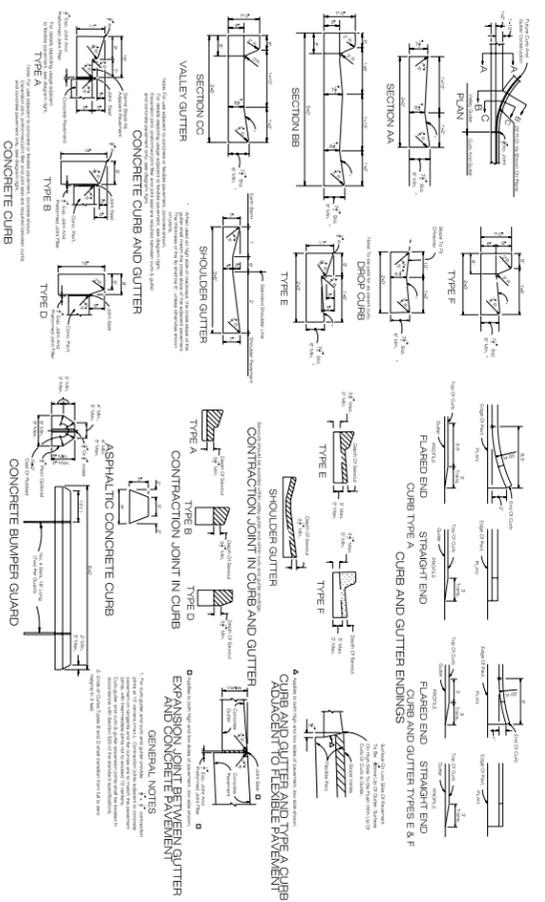
**KEY WEST OFFICE**  
1010 EAST KENNEDY DRIVE, SUITE 400  
KEY WEST, FLORIDA 33040  
TEL: (305) 293-9440 FAX: (305) 296-0243

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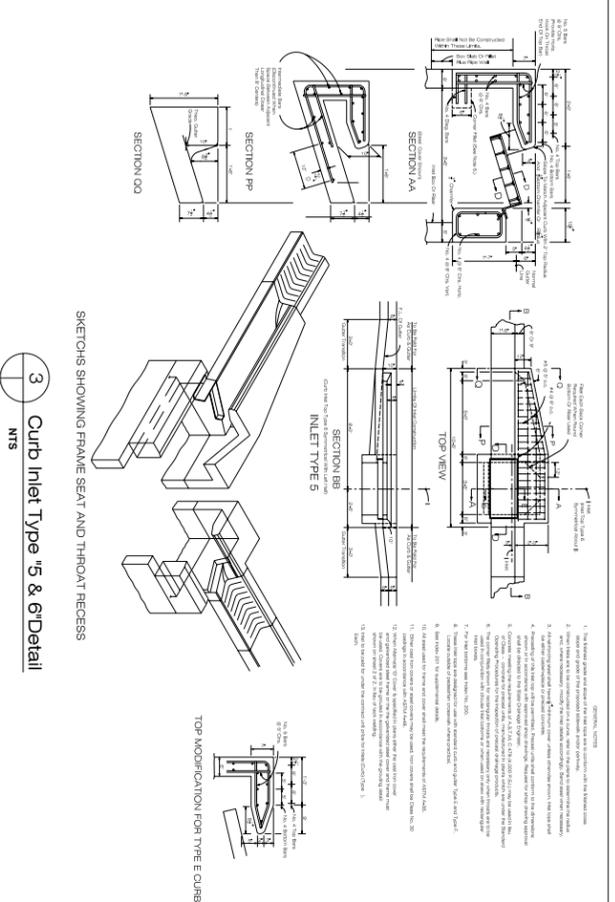
FLAGLER AVE. SIDEWALK IMPROVEMENTS  
BID DOCUMENTS  
CIVIL DETAILS

CITY OF KEY WEST ENG. SERVICES  
525 ANGELA ST. KEY WEST, FL 33040  
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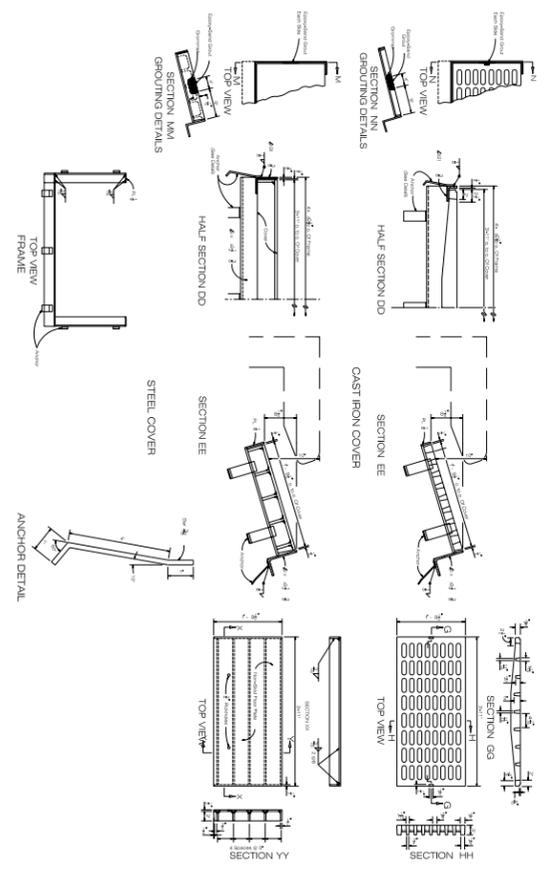
JOB NO. 081228  
DRAWN RTM  
DESIGNED AEP  
CHECKED AEP  
OC  
SHEET C-15



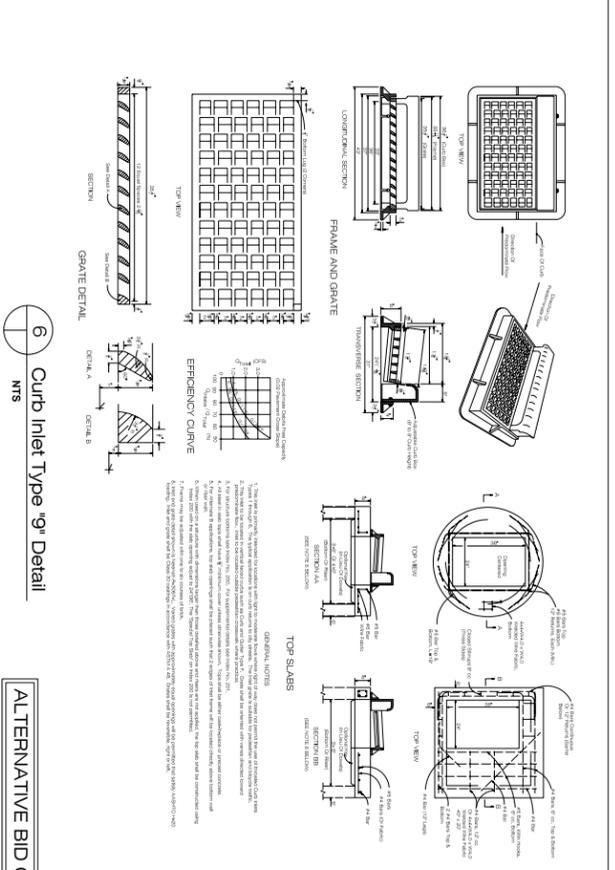
2 Curb & Gutter Detail  
NTS



3 Curb Inlet Type '5' & '6' Detail  
NTS

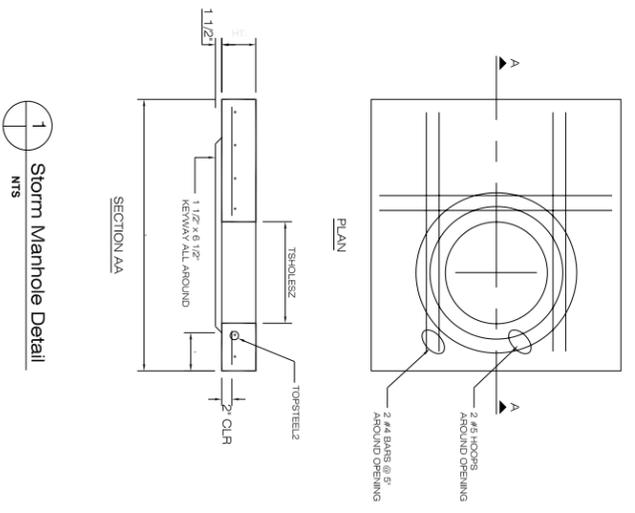


5 Curb Inlet Type '5' & '6' Cover Detail  
NTS

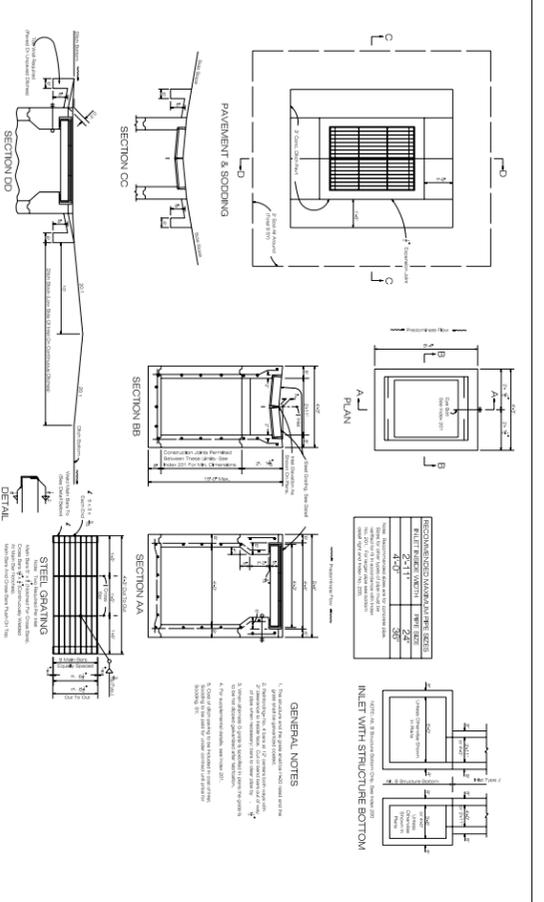


6 Curb Inlet Type '9' Detail  
NTS

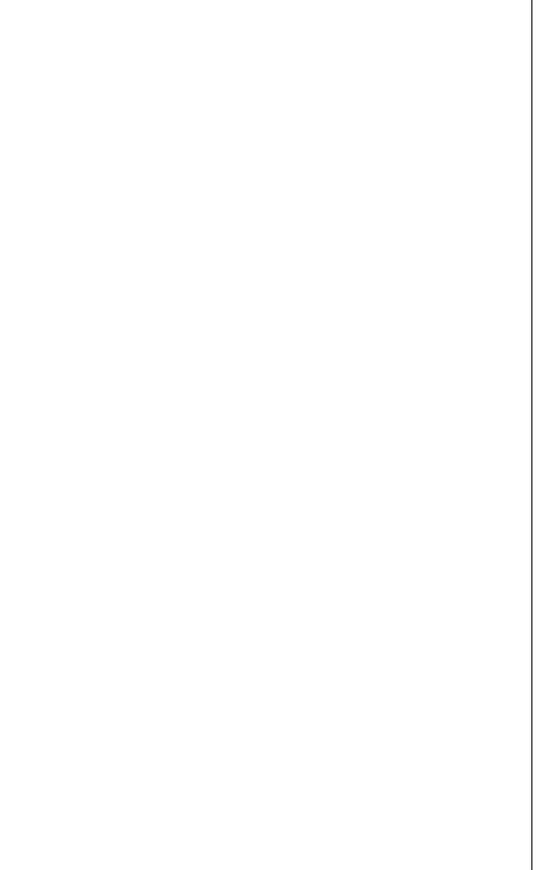
ALTERNATIVE BID ONLY



1 Storm Manhole Detail  
NTS



4 FDOT Ditch Bottom Inlet Type 'J' Detail  
NTS



6 Curb Inlet Type '9' Detail  
NTS

ALTERNATIVE BID ONLY

CITY OF KEY WEST ENG. SERVICES  
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FLAGLER AVE. SIDEWALK IMPROVEMENTS  
BID DOCUMENTS  
CIVIL DETAILS

REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	11/21/08
2 Bid Plans Submitted	1/16/09
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March 12, 2009

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

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

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SHEET C-16

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, PILES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.

7. IF THE HAYBALES, STONE SIFTER BAGS BECOME CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STAKES MUST BE FILLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. BALES SHALL BE EITHER WIRE BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
9. BALES SHALL BE PLACED LENGTHWISE IN SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER.

10. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACK FILLED. A TRENCH SHALL BE EXCAVATED AROUND THE INLET AND WIDTH OF A BALE TO A MINIMUM DEPTH OF FOUR INCHES. AFTER THE BALES ARE STACKED, THE EXCAVATED SOIL SHALL BE BACK FILLED AND COMPACTED AGAINST THE FILTER BARRIER.
11. EACH BALE SHALL BE SECURELY Y ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE A MINIMUM OF 2 FEET INTO THE GROUND.
12. LOOSE STRAW SHALL BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.
13. HAY BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH 1/2 INCH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
14. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.

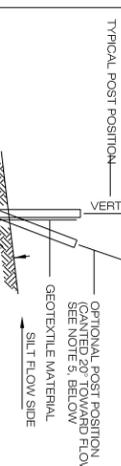
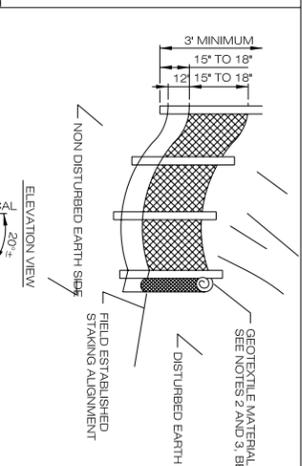
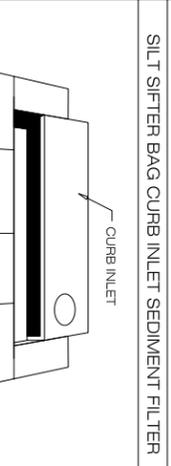
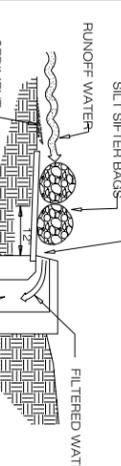
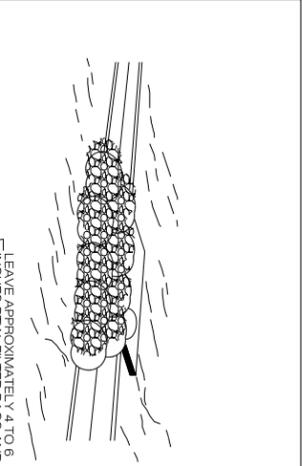
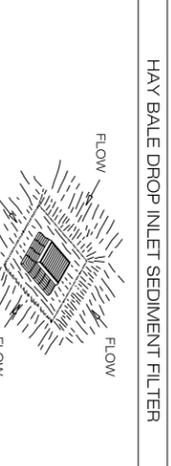
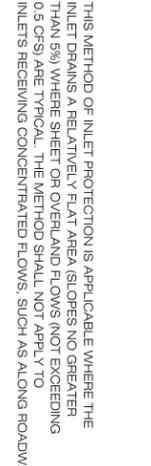
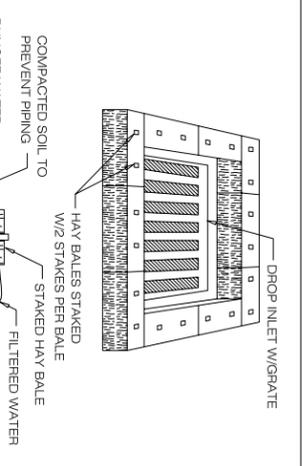
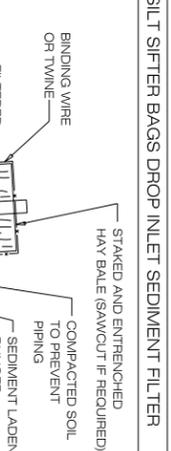
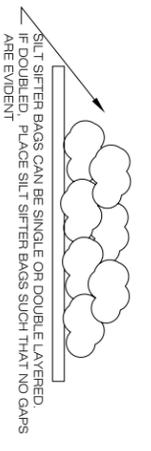
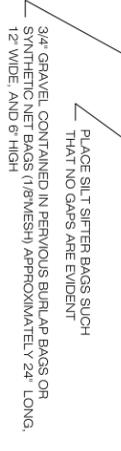
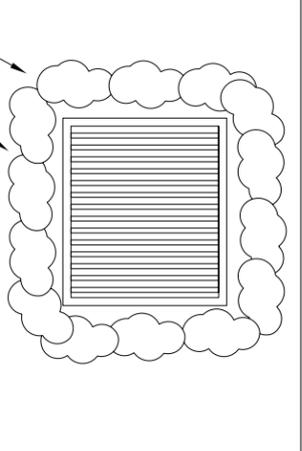
16. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES 1 FOOT OR APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
17. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE HAY BALE BARRIER IS NO LONGER REQUIRED SHALL BE REMOVED. THE AREA SHALL BE PRESSED TO CONFORM TO THE FINISH GRADE, PREPARED AND SEDED.
18. ALL FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
19. SHOULD THE FABRIC ON A FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE PROJECT THE FILTER BARRIER SHALL BE REPLACED PROMPTLY.
20. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.

21. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE INCH IN ADDITION TO THE REQUIREMENT SHOWN HERE.
22. THE CONTRACTOR IS RESPONSIBLE FOR THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND THE ENVIRONMENTAL MANAGEMENT PLAN (E.M.P.) IN THE ENVIRONMENTAL IMPACT ANALYSIS (E.I.A.) FOR THIS PROJECT.
23. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WATER BODIES AND WETLAND AREAS WITHIN 200 FT. OF THE CONSTRUCTION LIMITS AND FARTHER WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.
24. ALL DISTURBED AREAS THAT WILL REMAIN UNPAVED SHALL BE GRASSSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL COMPLETION OF THE PROJECT UNTIL FURTHER VEGETATIVE COVER IS ESTABLISHED FOR AREAS TO RECEIVE FURTHER LANDSCAPING).

25. ALL DISCHARGE FROM DE WATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE SEWER SYSTEM IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING SYSTEM.
26. ALL GRASSSED FILL SLOPES 4:1 OR STEEPER TO RECEIVE OVERLAPPED (SHINGLE STYLE) SOLO SOO WITH EACH PIECE INDIVIDUALLY STAKED OR PINNED OVERLAPPING SHALL BE A MINIMUM OF 5'.

**EROSION AND SEDIMENT CONTROL GENERAL NOTE:**  
 THE ATTACHED BEST MANAGEMENT PRACTICES (BMPs) DETAILS AND SPECIFICATIONS ARE ONLY A SUGGESTED APPROACH DEVELOPED FOR USE BY THE OWNER/CONTRACTOR TO ASSIST THEM IN IMPLEMENTING APPROPRIATE POLLUTION PREVENTION TECHNIQUES.  
 IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE AND IMPLEMENT THE BEST MANAGEMENT PRACTICES THAT ARE APPROPRIATE FOR THE PROJECTS SITE SPECIFIC CONDITIONS DURING THE LIFE OF THE CONSTRUCTION ACTIVITIES.  
 CONTRACTORS SHALL SUBMIT A EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL BY THE CITY PRIOR TO BEGINNING CONSTRUCTION

27. ALL TEMPORARY, EROSION, AND SEDIMENT CONTROL TO REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
28. 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.
29. ALL EXCAVATIONS AND EARTHWORK SHALL BE DONE IN A MANNER TO MINIMIZE WATER TURBIDITY AND POLLUTION. DISCHARGE SHALL BE CONTROLLED AND REPORTED THROUGH HAY FILTERS, SILTATION DAPERS, SUMPES 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.
30. 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.
31. 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 CONTRACTORS FAILURE TO ELIMINATE TURBID RUNOFF FROM LEAVING THE SITE AND RAISING TURBIDITY LEVELS ABOVE EXISTING BACKGROUND LEVEL.



<p><b>SILT SIFTER BAGS DROP INLET SEDIMENT FILTER</b></p>	<p><b>HAY BALE DROP INLET SEDIMENT FILTER</b></p>
<p><b>HAY BALE BARRIER</b></p>	<p><b>EXCAVATED DROP INLET SEDIMENT TRAP</b></p>
<p><b>HAY BALE BARRIER</b></p>	<p><b>BLOCK AND GRAVEL CURB INLET SEDIMENT FILTER</b></p>
<p><b>HAY BALE BARRIER</b></p>	<p><b>STAKED SILT BARRIER FENCE DETAIL</b></p>

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 TEL: (813) 579-1616 FAX: (813) 288-0710

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

REVISIONS:	ORIGINAL:
1 60% Construction Plans Submitted	8/10/08
2 Bid Plans Submitted	1/16/09
3	
4	
5	
6	

FLAGLER AVE. SIDEWALK IMPROVEMENTS

**BID DOCUMENTS**

**NPDES DETAILS**

**CITY OF KEY WEST ENG. SERVICES**

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