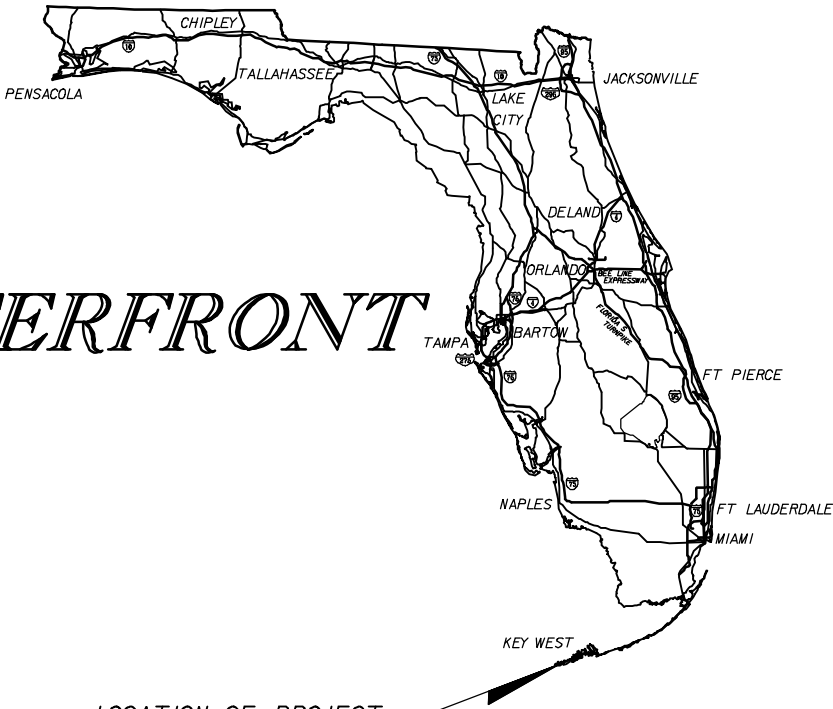


CITY OF KEY WEST
CONTRACT PLANS

BAHAMA VILLAGE / TRUMAN WATERFRONT
CONNECTIVITY PROJECTS

INDEX OF ROADWAY PLANS

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PLANS PREPARED BY:

 **Kimley-Horn
and Associates, Inc.**

445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
PROJECT NUMBER: 144481000
CERTIFICATE OF AUTHORIZATION: 00000696

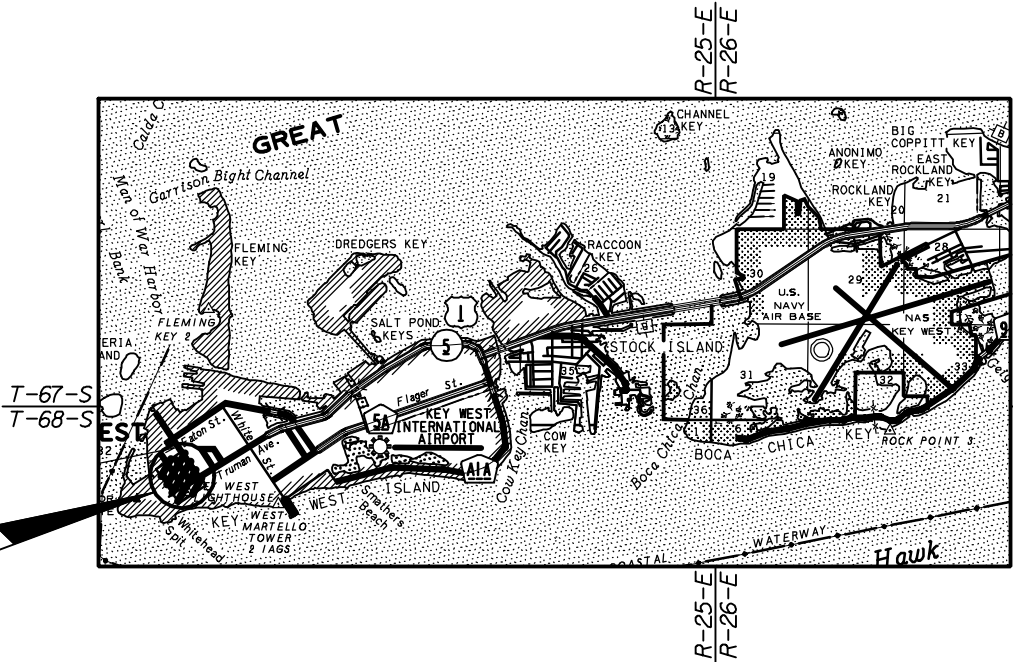
NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

100% PLANS
FEBRUARY 2011

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2010,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2010,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS:
For Design Standards Modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddesign/>

PROJECT LOCATION



LOCATION MAP

ROADWAY PLANS
ENGINEER OF RECORD: BRIAN GOOD

P.E. NO.: 56939

SHEET
NO.

1

GENERAL NOTES

1. GOVERNING SPECIFICATIONS: STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2010 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, 2010.
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. CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED. ADJUSTMENTS TO BE INCLUDED IN CONTRACTORS BID.
11. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED AND SHALL BE DISPOSED OF BY THE CONTRACTOR.
12. ALL DISTURBED R/W SHALL BE SODDED OR STABILIZED WITH SEED AND MULCH.
13. THE CONTRACTOR WILL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO, OR BETTER THAN THAT NOW EXISTING.
14. 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.
15. 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.
16. 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 CONTRACTOR. CONTRACTOR SHALL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.

17. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO OR ARE NEAR THE STABILIZED PORTION OF THE ROAD BED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
18. 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.
19. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES, UNDERGROUND UTILITIES.
20. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH CHAPTER 556 OF FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
22. THE CONTRACTOR SHALL CALL SUNSHINE (1/800-432-4770) FOR FIELD LOCATIONS 48 HOURS BEFORE DIGGING NEAR UNDERGROUND UTILITIES.
23. KNOWN UTILITIES:

COMCAST	LEONARD MAXWELL	(954) 534-7083
KEYS ENERGY SERVICES	MATTHEW ALFONSO	(305) 295-1047
FLORIDA KEYS AQUEDUCT AUTHORITY	MARNIE THRIFT	(305) 295-2154
MCI	JOHN McNEIL	(972) 729-6016
OPERATIONS MANAGEMENT INT.	MICHAEL MARTINEZ	(305) 292-5100
AT&T	STEVE MASSIE	(305) 222-8745

24. DRIVEWAYS AND WALKWAYS THAT ARE DISTURBED ARE TO BE RECONSTRUCTED TO THEIR ORIGINAL OR BETTER CONDITIONS, UNLESS OTHERWISE STATED ON PLANS. TRANSITIONS SHALL BE NO GREATER THAN 5%.
25. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY WITHOUT APPROVAL FROM THE OWNER.
26. TURNOUTS (DRIVEWAYS) TO BE CONSTRUCTED AS PER FDOT INDEX 515 AND THE PLANS.
27. SIDEWALK JOINTS TO BE INSTALLED PER DETAILS ON FDOT INDEX 310 FOR ALL SIDEWALKS. ALL JOINTS SHALL BE TOOLED AS PER FDOT STANDARDS.
28. NO EXISTING BASE MATERIAL REMOVED IN EXCAVATION SHALL BE REUSED AS PROPOSED BASE MATERIAL.
29. 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. STAKED TURBIDITY BARRIER SHALL BE INSTALLED UPSTREAM OF ANY MINOR CROSS DRAIN IMPROVEMENTS.
- C. ALL DRAINAGE STRUCTURES ARE TO BE PROTECTED DURING CONSTRUCTION PER STANDARD INDEX #102.
- D. 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.
30. AT LOCATIONS WHERE PIPE AND DRAINAGE STRUCTURES ARE TO BE CONSTRUCTED OR REMOVED UNDER THE EXISTING PAVEMENT, THE REPLACEMENT OF EMBANKMENT, BASE, ASPHALT, ETC. NECESSARY FOR EXCAVATION IS TO BE INCLUDED IN THE COST OF PIPE.
31. ALL RELOCATED FIREHYDRANTS SHALL HAVE A 3'X3'X6" CONCRETE PAD CONSTRUCTED. COST OF CONCRETE PAD SHALL BE INCLUDED WITHIN THE HYDRANT RELOCATION UNIT PRICE.

32. ALL SEWER/WATER METER AND VALVE BOXES SHALL BE REPLACED WITH NEW. COST OF NEW UTILITY BOX SHALL BE INCLUDED IN RELOCATION/ ADJUSTMENT UNIT PRICE. ALL METER BOXES SHALL BE RELOCATED FROM RESIDING WITHIN PAVING AREAS TO WITHIN THE PROPOSED CONCRETE SIDEWALK.
33. ENCROACHMENTS THAT RESIDE WITHIN THE RIGHT OF WAY BEYOND 12 INCHES ARE ANTICIPATED TO BE REMOVED. THE CONTRACTOR IS TO REMOVE/ RETURN FENCE PANELS AND CHAIN LINK FENCING TO THE OWNER FOR THE OWNERS USE. IF THE OWNER DOES NOT WANT SALVAGED MATERIALS THE CONTRACTOR IS TO DISPOSE OF AT NO ADDITIONAL CHARGE TO THE CITY.
34. 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

35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, AND AWAY FROM THE CONSTRUCTION SITE.
36. 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.
37. DETECTABLE WARNING DOMES SHALL BE ENDICOTT WARNING DOME PAVERS (402-729-3315), 2¼"X4"X8" ON A RUNNING BOND LAY PATTERN, COLOR: RED BLEND ADA, OR APPROVED EQUAL.

R E V I S I O N S						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA		GENERAL NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			2

SUMMARY OF PAY ITEMS

ROADWAY PAY ITEMS			
PAY ITEM NO.	DESCRIPTION	UNIT	PROJECT QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-10-3	PREVENTION, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	LS	1
108-1	AS-BUILTS	LS	1
110-1-1	CLEARING & GRUBBING	LS	1
110-1-1A	CLEARING & GRUBBING (SELECT)	LS	1
120-1	REGULAR EXCAVATION	CY	433
120-6	EMBANKMENT	CY	6
285-704	CEMENTED COQUINA BASE (LBR 100) (.5")	SY	17.6
285-704A	CEMENTED COQUINA BASE (LBR 100) (.6") (CURB PAD)	SY	603
327-70-1	MILLING EXISTING ASPHALT PAVEMENT (1" - 6" AVG. DEPTH)	SY	229
334-1-13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	TN	25
337-7-32	ASPHALTIC CONCRETE FRICTION COURSE (TRAFFIC C, FC-9.5, RUBBER)(1.5")	TN	191
425-1-355	INLETS (CURB) (TYPE P-5) (PARTIAL)	EA	1
425-1-205	INLETS (CURB) (TYPE P-9)	EA	4
425-5-1	MANHOLE - ADJUST (UTILITIES)	EA	10
425-6	VALVE BOX (ADJUST)	EA	15
430-174-118	CONC. PIPE CULVERT (18" SD)	LF	170
520-1-10	CONCRETE CURB & GUTTER (TYPE F)	LF	1,548
522-1	CONCRETE SIDEWALK, 4" THICK	SY	1,109
522-2	CONCRETE SIDEWALK, 6" THICK	SY	247.2
660-2-106	LOOP ASSEMBLY (F&I) (TYPE F)	AS	5
1080-15	METER BOX (ADJUST)	EA	30
1644-700	FIRE HYDRANT (ADJUST & MODIFY)	EA	1
SIGNING & PAVEMENT MARKING PAY ITEMS			
PAY ITEM NO.	DESCRIPTION	UNIT	PROJECT QUANTITY
700-20-11	SINGLE POST SIGN, (F&I) (LESS THAN 12 SF)	AS	22
700-20-11B	PEDESTRIAN WAYFINDING SIGN	AS	1
700-20-11C	VEHICULAR WAYFINDING SIGN (SINGLE POST)	AS	1
711-11-121	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (6")	LF	1,938
711-11-123	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (12")	LF	217
711-11-125	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (24")	LF	60
711-11-141	THERMOPLASTIC (STANDARD) (WHITE) (SKIP) (6'-10') (6")	LF	48
711-11-160	THERMOPLASTIC (STANDARD) (WHITE) (MESSAGE)	EA	8
711-11-170	THERMOPLASTIC (STANDARD) (WHITE) (ARROWS)	EA	2
711-11-221	THERMOPLASTIC (STANDARD) (YELLOW) (SOLID) (6")	LF	820
LANDSCAPE PAY ITEMS			
PAY ITEM NO.	DESCRIPTION	UNIT	PROJECT QUANTITY
519-78	STREET BOLLARD	EA	4
519-78A	BIKE BOLLARD	EA	2
570-1-2	PERFORMANCE TURF (SOD) (COMMON BERMUDA)	SY	282
570-1-2A	MULCH	CY	28
570-1-2B	TOPSOIL	CY	251
580-1-1A	LANDSCAPE COMPLETE (SMALL SHRUBS)	EA	2,589
580-1-1B	LANDSCAPE COMPLETE (SMALL/MEDIUM PLANTS)	EA	4
721-74-1	TRASH RECEPTACLE	EA	2
721-75-1	BENCHES	EA	2
721-77	BIKE RACK	EA	2
721-99	FLEX-PAVE (2" THICK) (COLOR-REDWOOD)	SY	40.4
LIGHTING PAY ITEMS			
PAY ITEM NO.	DESCRIPTION	UNIT	PROJECT QUANTITY
715-2-11	CONDUIT (PVC SCHEDULE 40-2") UNDERGROUND	LF	1,574
715-4-300A	LIGHT POLE COMPLETE (FURNISH & INSTALL)	EA	32
715-7-11	LOAD CENTER (SECONDARY VOLTAGE)	EA	1
715-14-11	PULL BOX (CONCRETE) (ROADSIDE)	EA	32

PAY ITEM FOOTNOTES

- 101-1

- COST SHALL INCLUDE, BUT NOT LIMITED TO, LOCATING EXISTING UTILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL PERFORM QUALITY LEVEL A EXISTING UTILITY LOCATES PURSUANT TO ASCE STANDARDS. THE LOCATE INFORMATION SHALL BE SUFFICIENT TO DETERMINE POTENTIAL CONFLICTS WITH PROPOSED DRAINAGE AND LANDSCAPE IMPROVEMENTS. THIS INFORMATION SHALL BE SUBMITTED IN ADVANCE OF DRAINAGE SHOP DRAWINGS. IN ADDITION, THE CONTRACTOR SHALL CORRODINATE WITH THE CITY AND FRANCHISE UTILITY OPERATOR REGARDING THE RELOCATION OF EXISTING UTILITY POLES.
- 110-1-1

- COST TO INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL, LABOR AND APPURTENANCES NECESSARY TO ROOT PRUNE AND TRIM EXISTING TREES IDENTIFIED TO REMAIN WITHIN THE EXISTING RIGHT OF WAY OR IMMEDIATELY ADJACENT TO THE EXISTING RIGHT OF WAY. THE CONTRACTOR SHALL SUBMIT A WRITTEN ROOT PRUNING AND TRIMMING PLAN TO THE CITY FOR APPROVAL PRIOR TO IMPLEMENTATION. THE PLAN SHALL INCLUDE METHOD OF ROOT PRUNING, TEMPORARY IRRIGATION PROVISIONS, FERTILIZATION, EQUIPMENT TO BE UTILIZED, ETC. IN ADDITION, THE CONTRACTOR SHALL CORDINATE WITH THE CITY PRIOR O REMOVAL OF ANY TREES, SHRUBS, FENCING, CONCRETE WALLS, ETC LOCATED WITHIN THE RIGHT OF WAY.
- 110-1-1A

- COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR REQUIRED TO CORDINATE REMOVAL/DISPOSAL OF RIGHT OF WAY ENCROACHMENTS AND IMPROVEMENTS THAT RESIDE BEYOND THE RIGHT OF WAY NESSARY TO BE REMOVED TO HARMONIZE THE CORRIDOR.
- 285-704
285-704A

- THE COST OF THE PRIME COAT SHALL BE INCLUDED IN THE PRICE OF THE BASE.
- 334-1-13

- THE TACK COAT SHALL BE INCLUDED IN THE COST OF TYPE SP ASPHALTIC CONCRETE. PAY ITEM INLCUDES 1.9 TN FOR DRIVEWAYS.
- 430-174-118

- COST TO INLCUDE CONCRETE COLLARS NEEDED FOR THE INSTALLATION OF DRAINAGE STRUCTURES.
- 522-1

- PEDESTRIAN RAMPS TO BE INCLUDED IN PRICE OF SIDEWALK, ALL SIDEWALK JOINTS ARE TO BE SAWCUT AS PER FDOT SPECIFICATION. TOOLED JOINTS WILL NOT BE PERMITTED.
- 580-1-1A
580-1-1B

- COST TO INCLUDE, BUT LIMITED TO, HAND WATERING FOR AN ESTABLISHMENT PERIOD OF NO LESS THAN 120 DAYS.
- 700-20-11

- COST SHALL INCLUDE, BUT NOT LIMITED TO, WAYFINDING STYLE POST, BACK PANEL AND FINIAL.
- 700-20-11B
700-20-11C

- COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR NECESSARY TO FABRICATE AND INSTALL THE PROPOSED WAYFINDING SIGNAGE ELEMENTS.
- 715-2-11

- COST SHALL INCLUDE, BUT NOT LIMITED TO, CONDUCTORS AND GROUND WIRES NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL LIGHTING CIRCUIT. INCLUDES CONDUITE, ELBOWS, SWEEPS, CONNECTING HARDWARE, TRENCHING AND BACKFILL AS INDICATED IN THE PLANS AND THE DESIGN STANDARDS. THE LINEAR FOOT PRICE FOR CONDUIT SHALL ALSO INCLUDE THE COST OF RESTORING CUT PAVEMENT, SIDEWALKS SOD, ETC. TO ORIGINAL CONDITION OR BETTER.
- 715-4-300A

- COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR NECESSARY TO FURNISH AND INSTALL THE PROPOSED LIGHT FIXTURES, POLES AND FOUNDATIONS NESSESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL LIGHTING SYSTEM.
- 715-7-11

- INCLUDES NEMA 3R SAFETY SITCH ON LINE SIDE OF THE METER, METER BASE, DISCONNECT SWITCH, SERVICE PLE INSULATORS, WEATHERHEADS, 480-120V CONTROL POWER TRANSFORMERS, FUSES LIGHTING PORTECTION ON THE OUTSIDE OF ENCLOSURE, ENCLOSURES, PANEL BOARDS, PHOTO-ELECTRIC ASSEMBLY, BREAKERS, CONDUIT AND FEEDER CONDUCTORS FROM POWER COMPANY POINT OF SERVICE TO LOAD CENTER, PULL BOX AND ALL MISCELLANEOUS HARDWARE FOR A COMPLETE INSTALLATION AS PER PLANS AND STANDARD INDEX NO 17504. INCLUDE THE COST OF FURNISHING AND INSTALLING TYPE N-11 CONCRETE POLE AND ALL FEES FOR INSPECTION OF CONNECTION OF THE ELECTRICAL SERVICE. CONTRACTOR SHALL CORDINATE WITH POWER COMPANY AND CITY REGARDING LOAD CENTER LOCATION.
- 715-14-11

- PULL BOX COVER SHALL BE NONMETALLIC AND MARKED "STREET LIGHTING". ALL PULL BOXES ARE TO BE LOAD-BEARING, 20,000 LB. COMPOSITE TYPE LIDS.

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			3

SUMMARY OF PAY ITEMS

ROADWAY PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-10-3	PREVENTION, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	LS	1
108-1	AS-BUILTS	LS	1
110-1-1	CLEARING & GRUBBING	LS	1
110-1-1A	CLEARING & GRUBBING (SELECT)	LS	1
120-1	REGULAR EXCAVATION	CY	1,810
120-6	EMBANKMENT	CY	21
160-4	TYPE "B" STABILIZATION	SY	4,246
285-709	CEMENTED COQUINA BASE (LBR 100) (10")	SY	3,367
334-1-13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	TN	361
337-7-32	ASPHALTIC CONCRETE FRICTION COURSE (TRAFFIC C, FC-9.5, RUBBER)(1.5")	TN	271
425-1-365	INLETS (CURB) (TYPE P-6) (PARTIAL)	EA	1
425-1-461	INLETS (CURB) (TYPE J-6) (<10')	EA	1
425-1-201	INLETS (CURB) (TYPE P-9) (<10')	EA	11
425-1-203	INLETS (CURB) (TYPE J-9) (<10')	EA	8
425-1-711	INLETS (GUTTER) (TYPE V) (<10')	EA	1
425-1-521	INLETS (DBI) (TYPE C) (<10')	EA	1
425-2-61	MANHOLES (P-8) (<10')	EA	1
425-2-63	MANHOLES (P-8) (PARTIAL)	EA	1
425-2-91	MANHOLES (J-8) (<10')	EA	2
425-5-1	MANHOLE - ADJUST (UTILITIES)	EA	10
425-6	VALVE BOX - ADJUST	EA	15
430-174-112	CONC. PIPE CULVERT (12" SD)	LF	18
430-174-118	CONC. PIPE CULVERT (18" SD)	LF	392
520-1-8	CONCRETE CURB & GUTTER (TYPE F MODIFIED)	LF	2,427
520-1-10	CONCRETE CURB & GUTTER (TYPE F)	LF	444
520-2-4	CONCRETE CURB (TYPE D)	LF	113
520-2-9	CONCRETE CURB (HEADER) (12")	LF	532
520-3	VALLEY GUTTER (CONCRETE) (MODIFIED)	LF	42
522-1	CONCRETE SIDEWALK, 4" THICK	SY	1,135
522-2	CONCRETE SIDEWALK, 6" THICK	SY	332.7
526-1-2	ARCHITECTURAL PAVERS (ROADWAY)	SY	192
526-1-2A	ARCHITECTURAL PAVERS (REMOVE AND RESET)	SY	140
1050-12-220	UTILITY PIPE RELOCATE (PVC) (2") (WATER)	LF	120
1080-15	METER BOX (ADJUST)	EA	35
1644-800	FIRE HYDRANT (RELOCATE)	EA	1
SIGNING & PAVEMENT MARKING PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
700-20-11	SINGLE POST SIGN, (F&I) (LESS THAN 12 SF)	AS	30
700-20-11A	BUS STOP WAYFINDING SIGN	AS	2
711-11-121	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (6")	LF	2,905
711-11-125	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (24")	LF	136
711-11-141	THERMOPLASTIC (STANDARD) (WHITE) (SKIP) (2'-4') (6")	LF	48
711-11-160	THERMOPLASTIC (STANDARD) (WHITE) (MESSAGE)	EA	25
711-11-221	THERMOPLASTIC (STANDARD) (YELLOW) (SOLID) (6")	LF	1,120
LANDSCAPE PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
519-78	STREET BOLLARD	EA	4
519-78A	BIKE BOLLARD	EA	3
570-1-2	PERFORMANCE TURF (SOD) (COMMON BERMUDA)	SY	499.1
570-1-2A	MULCH	CY	20.8
570-1-2B	TOPSOL	CY	186
580-1-1A	LANDSCAPE COMPLETE (SMALL SHRUBS)	EA	1,757
580-1-1B	LANDSCAPE COMPLETE (SMALL/MEDIUM PLANTS)	EA	18
580-1-2	LANDSCAPE COMPLETE (LARGE PLANTS)	EA	4
721-74-1	TRASH RECEPTACLE	EA	2
721-75-1	BENCHES	EA	2
721-77	BIKE RACK	EA	3

LIGHTING PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
715-2-11	CONDUIT (PVC SCHEDULE 40-2") UNDERGROUND	LF	1,805
715-4-300A	LIGHT POLE COMPLETE (FURNISH & INSTALL)	EA	33
715-7-11	LOAD CENTER (SECONDARY VOLTAGE)	EA	1
715-14-11	PULL BOX (CONCRETE) (ROADSIDE)	EA	34
ALTERNATE BID ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
526-1-2B	ASPHALTIC CONCRETE CROSSWALKS	SY	192

PAY ITEM FOOTNOTES

- 101-1

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COST SHALL INCLUDE, BUT NOT LIMITED TO, LOCATING EXISTING UTILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL PERFORM QUALITY LEVEL A EXISTING UTILITY LOCATES PURSUANT TO ASCE STANDARDS. THE LOCATE INFORMATION SHALL BE SUFFICIENT TO DETERMINE POTENTIAL CONFLICTS WITH PROPOSED DRAINAGE AND LANDSCAPE IMPROVEMENTS. THIS INFORMATION SHALL BE SUBMITTED IN ADVANCE OF DRAINAGE SHOP DRAWINGS. IN ADDITION, THE CONTRACTOR SHALL CORRDINATE WITH THE CITY AND FRANCHISE UTILITY OPERATOR REGARDING THE RELOCATION OF EXISTING UTILITIES.
- 110-1-1

-

COST TO INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL, LABOR AND APPURTENANCES NECESSARY TO ROOT PRUNE AND TRIM EXISTING TREES IDENTIFIED TO REMAIN WITHIN THE EXISTING RIGHT OF WAY OR IMMEDIATELY ADJACENT TO THE EXISTING RIGHT OF WAY. THE CONTRACTOR SHALL SUBMIT A WRITTEN ROOT PRUNING AND TRIMMING PLAN TO THE CITY FOR APPROVAL PRIOR TO IMPLEMENTATION. THE PLAN SHALL INCLUDE METHOD OF ROOT PRUNING, TEMPORARY IRRIGATION PROVISIONS, FERTILIZATION, EQUIPMENT TO BE UTILIZED, ETC. IN ADDITION, THE CONTRACTOR SHALL CORDINATE WITH THE CITY PRIOR TO REMOVAL OF ANY TREES, SHRUBS, FENCING, CONCRETE WALLS, ETC LOCATED WITHIN THE RIGHT OF WAY. COST TO INCLUDE, BUT NOT LIMITED TO, REMOVAL OF DESIGNATED EXISTING PAVEMENT MARKINGS.
- 110-1-1A

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COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR REQUIRED TO CORDINATE REMOVAL/DISPOSAL OF RIGHT OF WAY ENCROACHMENTS AND IMPROVEMENTS THAT RESIDE BEYOND THE RIGHT OF WAY NESSARY TO BE REMOVED TO HARMONIZE THE CORRIDOR.
- 285-709

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THE COST OF THE PRIME COAT SHALL BE INCLUDED IN THE PRICE OF THE BASE.
- 334-1-13

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THE TACK COAT SHALL BE INCLUDED IN THE COST OF TYPE SP ASPHALTIC CONCRETE. PAY ITEM INLCUDES 1.9 TN FOR DRIVEWAYS.
- 430-174-112
430-174-11B

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COST TO INLCUDE CONCRETE COLLARS NEEDED FOR THE INSTALLATION OF DRAINAGE STRUCTURES.
- 522-1

-

PEDESTRIAN RAMPS TO BE INCLUDED IN PRICE OF SIDEWALK, ALL SIDEWALK JOINTS ARE TO BE SAWCUT AS PER FDOT SPECIFICATION. TOOLED JOINTS WILL NOT BE PERMITTED.
- 526-1-2

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, SAND SETTING BED AND JOINT SAND. A 10% CUT WASTE HAS BEEN INCLUDED WITHIN QUANTITY.
- 526-1-2A

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR REQUIRED TO REMOVE AND RESET EXISTING HARDSCAPE SURFACE MATERIAL. CONTRACTOR SHALL RESET HARDSCAPE MATERIAL IN SAME FASHION AS EXISTING. CONTRACTOR SHALL TAKE DUE CARE IN REMOVING EXISTING HARDSCAPE MATERIAL, SHOULD CONTRACTOR DAMAGE EXISTING MATERIAL, LIKE KIND REPLACEMENT MATERIAL SHALL BE INSTALLED. CONTRACTOR SHALL CORDINATE WITH CITY AND HOMEOWNER REGARDING THESE ACTIVITIES.
- 580-1-1A
580-1-1B

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COST TO INCLUDE, BUT LIMITED TO, HAND WATERING FOR AN ESTABLISHMENT PERIOD OF NO LESS THAN 120 DAYS.
- 700-20-11

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COST SHALL INCLUDE, BUT NOT LIMITED TO, WAYFINDING STYLE POST, BACK PANEL AND FINIAL.
- 700-20-11A

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR NECESSARY TO FABRICATE AND INSTALL THE PROPOSED WAYFINDING SIGNAGE ELEMENTS.
- 715-2-11

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COST SHALL INCLUDE, BUT NOT LIMITED TO, CONDUCTORS AND GROUND WIRES NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL LIGHTING CIRCUIT. INCLUDES CONDUITE, ELBOWS, SWEEPS, CONNECTING HARDWARE, TRENCHING AND BACKFILL AS INDICATED IN THE PLANS AND THE DESIGN STANDARDS. THE LINEAR FOOT PRICE FOR CONDUIT SHALL ALSO INCLUDE THE COST OF RESTORING CUT PAVEMENT, SIDEWALKS SOD, ETC. TO ORIGINAL CONDITION OR BETTER.
- 715-4-300A

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR NECESSARY TO FURNISH AND INSTALL THE PROPOSED LIGHT FIXTURES, POLES AND FOUNDATIONS NESSCESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL LIGHTING SYSTEM.
- 715-7-11

-

INCLUDES NEMA 3R SAFETY SITCH ON LINE SIDE OF THE METER, METER BASE, DISCONNECT SWITCH, SERVICE PLE INSULATORS, WEATHERHEADS, 480-120V CONTROL POWER TRANSFORMERS, FUSES LIGHTING PORTECTION ON THE OUTSIDE OF ENCLOSURE, ENCLOSURES, PANEL BOARDS, PHOTO-ELECTRIC ASSEMBLY, BREAKERS, CONDUIT AND FEEDER CONDUCTORS FROM POWER COMPANY POINT OF SERVICE TO LOAD CENTER, PULL BOX AND ALL MISCELLANEOUS HARDWARE FOR A COMPLETE INSTALLATION AS PER PLANS AND STANDARD INDEX NO 17504. INCLUDE THE COST OF FURNISHING AND INSTALLING TYPE N-11 CONCRETE POLE AND ALL FEES FOR INSPECTION OF CONNECTION OF THE ELECTRICAL SERVICE. CONTRACTOR SHALL CORDINATE WITH POWER COMPANY AND CITY REGARDING LOAD CENTER LOCATION.
- 715-14-11

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PULL BOX COVER SHALL BE NONMETRALLIC AND MARKED "STREET LIGHTING". ALL PULL BOXES ARE TO BE LOAD-BEARING, 20,000 LB. COMPOSITE TYPE LIDS.
- 1050-12-220

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COST TO INCLUDE, BUT NOT LIMITED TO, FITTINGS, GLANDS, LUGS, PIPE, ETC ASSOCIATED W/RELOCATING EXISTING UTILITIES.
- ALTERNATIVE BID ITEMS
- 526-1-2B

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THE CONTRACTOR SHALL PROVIDE OPTIONAL PRICING ASSOCIATED WITH THE PAVER CROSSWALKS. THIS OPTION SHALL DELETE THE ARCHITECTURAL PAVERS AND CONCRETE HEADER CURB, AND ADD ASPHATLIC CONCRETE CONSISTENT WITH THE PARENT ROADWAY AND 12⁹/₃₂ WHITE THERMOPLASTIC STRIPING.

R E V I S I O N S						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA		ANGELA STREET SUMMARY OF PAY ITEMS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			4

SUMMARY OF PAY ITEMS

ROADWAY PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-10-3	PREVENTION, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	LS	1
108-1	AS-BUILTS	LS	1
110-1-1	CLEARING & GRUBBING	LS	1
110-1-1A	CLEARING & GRUBBING (SELECT)	LS	1
120-1	REGULAR EXCAVATION	CY	1,747
120-6	EMBANKMENT	CY	27
160-4	TYPE "B" STABILIZATION	SY	4,652
285-704	CEMENTED COQUINA BASE (LBR 100) (5")	SY	21.7
285-709	CEMENTED COQUINA BASE (LBR 100) (10")	SY	3,840
334-1-13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	TN	412.4
337-7-32	ASPHALTIC CONCRETE FRICTION COURSE (TRAFFIC C, FC-9.5, RUBBER)	TN	308
425-1-201	INLETS (CURB) (TYPE P-9) (<10')	EA	6
425-1-203	INLETS (CURB) (TYPE J-9) (<10')	EA	2
425-1-711	INLETS (GUTTER) (TYPE V) (<10')	EA	1
425-2-61	MANHOLES (P-8) (<10')	EA	3
425-2-63	MANHOLES (P-8) (PARTIAL)	EA	2
425-2-71	MANHOLES (J-7) (<10')	EA	1
425-5-1	MANHOLE - ADJUST (UTILITIES)	EA	7
425-6	VALVE BOX - ADJUST	EA	12
430-174-118	CONC. PIPE CULVERT (18" SD)	LF	3
430-174-124	CONC. PIPE CULVERT (24" SD)	LF	275
520-1-10	CONCRETE CURB & GUTTER (TYPE F)	LF	2,645
520-2-4	CONCRETE CURB (TYPE D)	LF	331
520-2-9	CONCRETE CURB (HEADER) (12")	LF	373
522-1	CONCRETE SIDEWALK, 4" THICK	SY	1,532
522-2	CONCRETE SIDEWALK, 6" THICK	SY	86.4
526-1-2	ARCHITECTURAL PAVERS (ROADWAY)	SY	121
550-10-220	FENCING (TYPE B) (5.1' - 6.0') (STANDARD)	LF	200.5
550-60-226A	FENCE GATE (TYPE B) (DOUBLE) (24.1' - 30.0') (OPENING) (RELOCATE)	EA	1
1080-15	METER BOX (ADJUST)	EA	30
SIGNING & PAVEMENT MARKING PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
700-20-11	SINGLE POST SIGN, (F&I) (LESS THAN 12 SF)	AS	32
700-20-11C	VEHICULAR WAYFINDING SIGN (SINGLE POST)	AS	2
711-11-121	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (6")	LF	3,885
711-11-124	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (18")	LF	49
711-11-125	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (24")	LF	47
711-11-141	THERMOPLASTIC (STANDARD) (WHITE) (SKIP) (2'-4") (6")	LF	51
711-11-160	THERMOPLASTIC (STANDARD) (WHITE) (MESSAGE)	EA	24
711-11-180	THERMOPLASTIC (STANDARD) (WHITE) (YIELD LINE)	LF	10
711-11-221	THERMOPLASTIC (STANDARD) (YELLOW) (SOLID) (6")	LF	738
711-11-421	THERMOPLASTIC (STANDARD) (BLUE) (SOLID) (6")	LF	128
LANDSCAPE PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
519-78	STREET BOLLARD	EA	6
519-78A	BKE BOLLARD	EA	3
570-1-2	PERFORMANCE TURF (SOD) (COMMON BERMUDA)	SY	534
570-1-2A	MULCH	CY	15.6
570-1-2B	TOPSOIL	CY	139.0
580-1-1A	LANDSCAPE COMPLETE (SMALL SHRUBS)	EA	1,436
580-1-1B	LANDSCAPE COMPLETE (SMALL/MEDIUM PLANTS)	EA	5
580-1-2	LANDSCAPE COMPLETE (LARGE PLANTS)	EA	5
721-74-1	TRASH RECEPTACLE	EA	3
721-75-1	BENCHES	EA	4
721-77	BKE RACK	EA	3

LIGHTING PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
715-2-11	CONDUIT (PVC SCHEDULE 40-2") UNDERGROUND	LF	2,632
715-4-300A	LIGHT POLE COMPLETE (FURNISH & INSTALL)	EA	48
715-7-11	LOAD CENTER (SECONDARY VOLTAGE)	EA	1
715-14-11	PULL BOX (CONCRETE) (ROADSIDE)	EA	51
ALTERNATE BID ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
526-1-2B	ASPHALTIC CONCRETE CROSSWALKS	SY	121

PAY ITEM FOOTNOTES

- 101-1

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, LOCATING EXISTING UTILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL PERFORM QUALITY LEVEL A EXISTING UTILITY LOCATES PURSUANT TO ASCE STANDARDS. THE LOCATE INFORMATION SHALL BE SUFFICIENT TO DETERMINE POTENTIAL CONFLICTS WITH PROPOSED DRAINAGE AND LANDSCAPE IMPROVEMENTS. THIS INFORMATION SHALL BE SUBMITTED IN ADVANCE OF DRAINAGE SHOP DRAWINGS. IN ADDITION, THE CONTRACTOR SHALL CORRDINATE WITH THE CITY AND FRANCHISE UTILITY OPERATOR REGARDING THE RELOCATION OF EXISTING UTILITIES.
- 110-1-1

-

COST TO INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL, LABOR AND APPURTENANCES NECESSARY TO ROOT PRUNE AND TRIM EXISTING TREES IDENTIFIED TO REMAIN WITHIN THE EXISTING RIGHT OF WAY OR IMMEDIATELY ADJACENT TO THE EXISTING RIGHT OF WAY. THE CONTRACTOR SHALL SUBMIT A WRITTEN ROOT PRUNING AND TRIMMING PLAN TO THE CITY FOR APPROVAL PRIOR TO IMPLEMENTATION. THE PLAN SHALL INCLUDE METHOD OF ROOT PRUNING, TEMPORARY IRRIGATION PROVISIONS, FERTILIZATION, EQUIPMENT TO BE UTILIZED, ETC. IN ADDITION, THE CONTRACTOR SHALL CORDINATE WITH THE CITY PRIOR TO REMOVAL OF ANY TREES, SHRUBS, FENCING, CONCRETE WALLS, ETC LOCATED WITHIN THE RIGHT OF WAY. COST TO INCLUDE, BUT NOT LIMITED TO, REMOVAL OF DESIGNATED EXISTING PAVEMENT MARKINGS.
- 110-1-1A

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR REQUIRED TO CORDINATE REMOVAL/DISPOSAL OF RIGHT OF WAY ENCROACHMENTS AND IMPROVEMENTS THAT RESIDE BEYOND THE RIGHT OF WAY NESSARY TO BE REMOVED TO HARMONIZE THE CORRIDOR.
- 285-704
285-709

-

THE COST OF THE PRIME COAT SHALL BE INCLUDED IN THE PRICE OF THE BASE.
- 334-1-13

-

THE TACK COAT SHALL BE INCLUDED IN THE COST OF TYPE SP ASPHALTIC CONCRETE. PAY ITEM INCLUDES 2.4 TN FOR DRIVEWAYS.
- 430-174-118
430-174-124

-

COST TO INLCUDE CONCRETE COLLARS NEEDED FOR THE INSTALLATION OF DRAINAGE STRUCTURES.
- 522-1

-

PEDESTRIAN RAMPS TO BE INCLUDED IN PRICE OF SIDEWALK, ALL SIDEWALK JOINTS ARE TO BE SAWCUT AS PER FDOT SPECIFICATION. TOOLED JOINTS WILL NOT BE PERMITTED.
- 526-1-2

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, SAND SETTING BED AND JOINT SAND. A 10% CUT WASTE HAS BEEN INCLUDED WITHIN QUANTITY.
- 580-1-1A
580-1-1B

-

COST TO INCLUDE, BUT LIMITED TO, HAND WATERING FOR AN ESTABLISHMENT PERIOD OF NO LESS THAN 120 DAYS.
- 700-20-11

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, WAYFINDING STYLE POST, BACK PANEL AND FINIAL.
- 700-20-11C

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR NECESSARY TO FABRICATE AND INSTALL THE PROPOSED WAYFINDING SIGNAGE ELEMENTS.
- 715-2-11

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, CONDUCTORS AND GROUND WIRES NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL LIGHTING CIRCUIT. INCLUDES CONDUITE, ELBOWS, SWEEPS, CONNECTING HARDWARE, TRENCHING AND BACKFILL AS INDICATED IN THE PLANS AND THE DESIGN STANDARDS. THE LINEAR FOOT PRICE FOR CONDUIT SHALL ALSO INCLUDE THE COST OF RESTORING CUT PAVEMENT, SIDEWALKS SOD, ETC. TO ORIGINAL CONDITION OR BETTER.
- 715-4-300A

-

COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR NECESSARY TO FURNISH AND INSTALL THE PROPOSED LIGHT FIXTURES, POLES AND FOUNDATIONS NESSESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL LIGHTING SYSTEM.
- 715-7-11

-

INCLUDES NEMA 3R SAFETY SITCH ON LINE SIDE OF THE METER, METER BASE, DISCONNECT SWITCH, SERVICE PLE INSULATORS, WEATHERHEADS, 480-120V CONTROL POWER TRANSFORMERS, FUSES LIGHTING PORTECTION ON THE OUTSIDE OF ENCLOSURE, ENCLOSURES, PANEL BOARDS, PHOTO-ELECTRIC ASSEMBLY, BREAKERS, CONDUIT AND FEEDER CONDUCTORS FROM POWER COMPANY POINT OF SERVICE TO LOAD CENTER, PULL BOX AND ALL MISCELLANEOUS HARDWARE FOR A COMPLETE INSTALLATION AS PER PLANS AND STANDARD INDEX NO 17504. INCLUDE THE COST OF FURNISHING AND INSTALLING TYPE N-11 CONCRETE POLE AND ALL FEES FOR INSPECTION OF CONNECTION OF THE ELECTRICAL SERVICE. CONTRACTOR SHALL CORDINATE WITH POWER COMPANY AND CITY REGARDING LOAD CENTER LOCATION.
- 715-14-11

-

PULL BOX COVER SHALL BE NONMETRALLIC AND MARKED "STREET LIGHTING". ALL PULL BOXES ARE TO BE LOAD-BEARING, 20,000 LB. COMPOSITE TYPE LIDS.
- 526-1-2B

-

ALTERNATIVE BID ITEMS
- THE CONTRACTOR SHALL PROVIDE OPTIONAL PRICING ASSOCIATED WITH THE PAVER CROSSWALKS. THIS OPTION SHALL DELETE THE ARCHITECTURAL PAVERS AND CONCRETE HEADER CURB, AND ADD ASPHATLIC CONCRETE CONSISTENT WITH THE PARENT ROADWAY AND 12⁹/₃₂ WHITE THERMOPLASTIC STRIPING.

R E V I S I O N S						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA		FORT STREET SUMMARY OF PAY ITEMS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			//

SUMMARY OF PAY ITEMS

PAY ITEM FOOTNOTES

ROADWAY PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-10-3	PREVENTION, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	LS	1
108-1	AS-BUILTS	LS	1
110-1-1	CLEARING & GRUBBING	LS	1
110-1-1A	CLEARING & GRUBBING (SELECT)	LS	1
120-1	REGULAR EXCAVATION	CY	364
160-4	TYPE "B" STABILIZATION	SY	815
285-709	CEMENTED COQUINA BASE (LBR 100) (10")	SY	600
334-1-13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	TN	65
337-7-32	ASPHALTIC CONCRETE FRICTION COURSE (TRAFFIC C, FC-9.5, RUBBER)	TN	49
425-5-1	MANHOLE - ADJUST (UTILITIES)	EA	2
425-6	VALVE BOX - ADJUST	EA	10
520-1-8	CONCRETE CURB & GUTTER (TYPE F MODIFIED)	LF	432
520-1-10	CONCRETE CURB & GUTTER (TYPE F)	LF	69
520-2-4	CONCRETE CURB (TYPE D)	LF	246
520-3	VALLEY GUTTER (CONCRETE)	LF	229
520-2-9	CONCRETE CURB (HEADER) (12")	LF	26
522-1	CONCRETE SIDEWALK, 4" THICK	SY	273
522-2	CONCRETE SIDEWALK, 6" THICK	SY	10.5
526-1-2	ARCHITECTURAL PAVERS (ROADWAY)	SY	11
1080-15	METER BOX (ADJUST)	EA	12
SIGNING & PAVEMENT MARKING PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
700-20-11	SINGLE POST SIGN, (F&I) (LESS THAN 12 SF)	AS	7
711-11-121	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (6")	LF	776
711-11-125	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (24")	LF	12
711-11-160	THERMOPLASTIC (STANDARD) (WHITE) (MESSAGE)	EA	13
711-11-170	THERMOPLASTIC (STANDARD) (WHITE) (ARROWS)	EA	2
LANDSCAPE PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
519-78	STREET BOLLARD	EA	2
519-78A	BIKE BOLLARD	EA	1
570-1-2	PERFORMANCE TURF (SOD) (COMMON BERMUDA)	SY	87
570-1-2A	MULCH	CY	17
570-1-2B	TOPSOIL	CY	153.3
580-1-1	LANDSCAPE COMPLETE (SMALL SHRUBS)	EA	820
580-1-1	LANDSCAPE COMPLETE (SMALL/MEDIUM PLANTS)	EA	7
721-74-1	TRASH RECEPTACLE	EA	1
721-75-1	BENCHES	EA	1
721-77	BIKE RACK	EA	1
LIGHTING PAY ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
715-2-11	CONDUIT (PVC SCHEDULE 40-2") UNDERGROUND	LF	335
715-4-300A	LIGHT POLE COMPLETE (FURNISH & INSTALL)	EA	7
715-7-11	LOAD CENTER (SECONDARY VOLTAGE)	EA	1
715-14-11	PULL BOX (CONCRETE) (ROADSIDE)	EA	7
ALTERNATE BID ITEMS			
PAY	DESCRIPTION	UNIT	PROJECT
ITEM NO.			QUANTITY
526-1-2B	ASPHALTIC CONCRETE CROSSWALKS	SY	11

- 101-1

- COST SHALL INCLUDE, BUT NOT LIMITED TO, LOCATING EXISTING UTILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL PERFORM QUALITY LEVEL A EXISTING UTILITY LOCATES PURSUANT TO ASCE STANDARDS. THE LOCATE INFORMATION SHALL BE SUFFICIENT TO DETERMINE POTENTIAL CONFLICTS WITH PROPOSED DRAINAGE AND LANDSCAPE IMPROVEMENTS. THIS INFORMATION SHALL BE SUBMITTED IN ADVANCE OF DRAINAGE SHOP DRAWINGS. IN ADDITION, THE CONTRACTOR SHALL CORRDINATE WITH THE CITY AND FRANCHISE UTILITY OPERATOR REGARDING THE RELOCATION OF EXISTING UTILITY POLES.
- 110-1-1

- COST TO INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL, LABOR AND APPURTENANCES NECESSARY TO ROOT PRUNE AND TRIM EXISTING TREES IDENTIFIED TO REMAIN WITHIN THE EXISTING RIGHT OF WAY OR IMMEDIATELY ADJACENT TO THE EXISTING RIGHT OF WAY. THE CONTRACTOR SHALL SUBMIT A WRITTEN ROOT PRUNING AND TRIMMING PLAN TO THE CITY FOR APPROVAL PRIOR TO IMPLEMENTATION. THE PLAN SHALL INCLUDE METHOD OF ROOT PRUNING, TEMPORARY IRRIGATION PROVISIONS, FERTILIZATION, EQUIPMENT TO BE UTILIZED, ETC. IN ADDITION, THE CONTRACTOR SHALL CORDINATE WITH THE CITY PRIOR O REMOVAL OF ANY TREES, SHRUBS, FENCING, CONCRETE WALLS, ETC LOCATED WITHIN THE RIGHT OF WAY.
- 110-1-1A

- COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR REQUIRED TO CORDINATE REMOVAL/DISPOSAL OF RIGHT OF WAY ENCROACHMENTS AND IMPROVEMENTS THAT RESIDE BEYOND THE RIGHT OF WAY NESSARY TO BE REMOVED TO HARMONIZE THE CORRIDOR.
- 285-709

- THE COST OF THE PRIME COAT SHALL BE INCLUDED IN THE PRICE OF THE BASE.
- 334-1-13

- THE TACK COAT SHALL BE INCLUDED IN THE COST OF TYPE SP ASPHALTIC CONCRETE.
- 522-1

- PEDESTRIAN RAMPS TO BE INCLUDED IN PRICE OF SIDEWALK, ALL SIDEWALK JOINTS ARE TO BE SAWCUT AS PER FDOT SPECIFICATION. TOOLED JOINTS WILL NOT BE PERMITTED.
- 526-1-2

- COST SHALL INCLUDE, BUT NOT LIMITED TO, SAND SETTING BED AND JOINT SAND. A 10% CUT WASTE HAS BEEN INCLUDED WITHIN QUANTITY.
- 580-1-1A
580-1-1B

- COST TO INCLUDE, BUT LIMITED TO, HAND WATERING FOR AN ESTABLISHMENT PERIOD OF NO LESS THAN 120 DAYS.
- 700-20-11

- COST SHALL INCLUDE, BUT NOT LIMITED TO, WAYFINDING STYLE POST, BACK PANEL AND FINIAL.
- 715-2-11

- COST SHALL INCLUDE, BUT NOT LIMITED TO, CONDUCTORS AND GROUND WIRES NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL LIGHTING CIRCUIT. INCLUDES CONDUITE, ELBOWS, SWEEPS, CONNECTING HARDWARE, TRENCHING AND BACKFILL AS INDICATED IN THE PLANS AND THE DESIGN STANDARDS. THE LINEAR FOOT PRICE FOR CONDUIT SHALL ALSO INCLUDE THE COST OF RESTORING CUT PAVEMENT, SIDEWALKS SOD, ETC. TO ORIGINAL CONDITION OR BETTER.
- 715-4-300A

- COST SHALL INCLUDE, BUT NOT LIMITED TO, ALL MATERIAL AND LABOR NECESSARY TO FURNISH AND INSTALL THE PROPOSED LIGHT FIXTURES, POLES AND FOUNDATIONS NESSESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL LIGHTING SYSTEM.
- 715-7-11

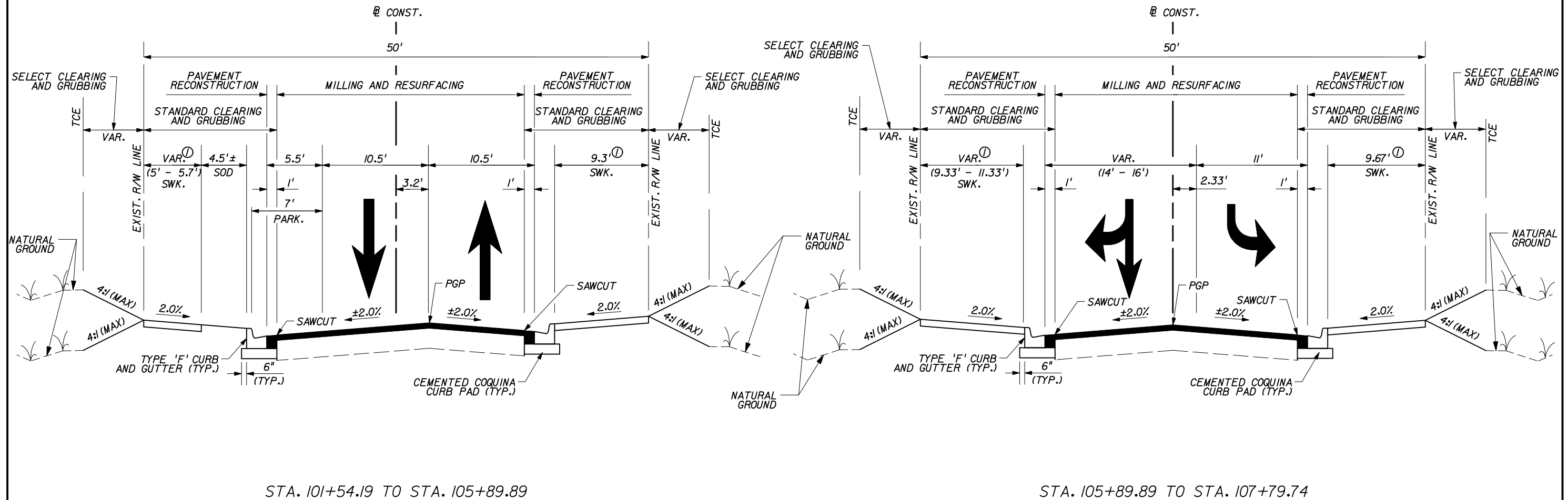
- INCLUDES NEMA 3R SAFETY SITCH ON LINE SIDE OF THE METER, METER BASE, DISCONNECT SWITCH, SERVICE PLE INSULATORS, WEATHERHEADS, 480-120V CONTROL POWER TRANSFORMERS, FUSES LIGHTING PORTECTION ON THE OUTSIDE OF ENCLOSURE, ENCLOSURES, PANEL BOARDS, PHOTO-ELECTRIC ASSEMBLY, BREAKERS, CONDUIT AND FEEDER CONDUCTORS FROM POWER COMPANY POINT OF SERVICE TO LOAD CENTER, PULL BOX AND ALL MISCELLANEOUS HARDWARE FOR A COMPLETE INSTALLATION AS PER PLANS AND STANDARD INDEX NO 17504. INCLUDE THE COST OF FURNISHING AND INSTALLING TYPE N-11 CONCRETE POLE AND ALL FEES FOR INSPECTION OF CONNECTION OF THE ELECTRICAL SERVICE. CONTRACTOR SHALL CORDINATE WITH POWER COMPANY AND CITY REGARDING LOAD CENTER LOCATION.
- 715-14-11

- PULL BOX COVER SHALL BE NONMETRALLIC AND MARKED "STREET LIGHTING". ALL PULL BOXES ARE TO BE LOAD-BEARING, 20,000 LB. COMPOSITE TYPE LIDS.
- 526-1-2B

- THE CONTRACTOR SHALL PROVIDE OPTIONAL PRICING ASSOCIATED WITH THE PAVER CROSSWALKS. THIS OPTION SHALL DELETE THE ARCHITECTURAL PAVERS AND CONCRETE HEADER CURB, AND ADD ASPHATLIC CONCRETE CONSISTENT WITH THE PARENT ROADWAY AND 12⁹/₃₂ WHITE THERMOPLASTIC STRIPING.

ALTERNATIVE BID ITEMS

R E V I S I O N S						 BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	GERALDINE STREET SUMMARY OF PAY ITEMS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				12



NOTES:

1. SIDEWALK WIDTH WILL VARY ALONG CORRIDOR DUE TO PHYSICAL ENCROACHMENTS INTENDED TO REMAIN OR THE PROPOSED SIDEWALK EXTENDING BEYOND THE EXISTING RIGHT-OF-WAY FOR PURPOSES OF HARMONIZATION. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE REGARDING SIDEWALK WIDTH VARIATIONS LOCATED ALONG THE CORRIDOR.
2. CONTRACTOR SHALL REVIEW THE PLAN & PROFILE SHEETS FOR ISOLATED VARIATIONS TO THE PROPOSED TYPICAL SECTIONS.

POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH

MILLING
MILL EXISTING ASPHALT PAVEMENT (1.5" MIN. - 6" MAX.)

RESURFACING
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)

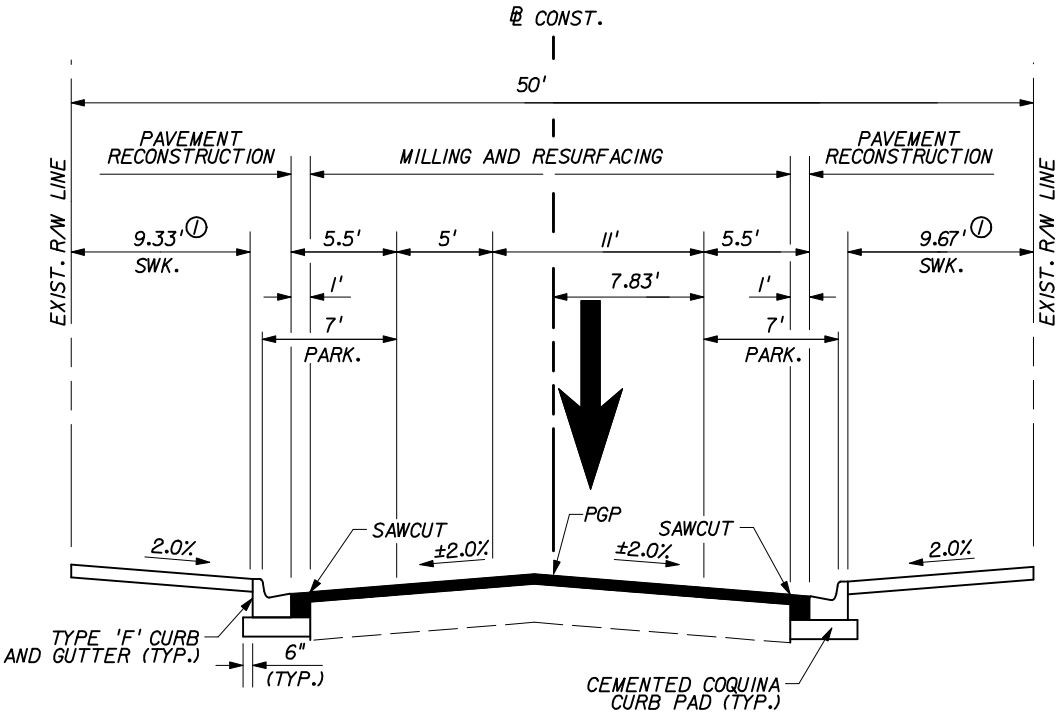
PAVEMENT RECONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (6")
CEMENTED COQUINA (LBR 100) (6" THICK)

MILLING
MILL EXISTING ASPHALT PAVEMENT (1.5" MIN. - 6" MAX.)

RESURFACING
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)

PAVEMENT RECONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (6")
CEMENTED COQUINA (LBR 100) (6" THICK)

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS		SOUTHARD STREET TYPICAL SECTION		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						13



STA. 107+79.74 TO STA. 109+94.70

NOTES:

1. SIDEWALK WIDTH WILL VARY ALONG CORRIDOR DUE TO PHYSICAL ENCROACHMENTS INTENDED TO REMAIN OR THE PROPOSED SIDEWALK EXTENDING BEYOND THE EXISTING RIGHT-OF-WAY FOR PURPOSES OF HARMONIZATION. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE REGARDING SIDEWALK WIDTH VARIATIONS LOCATED ALONG THE CORRIDOR.
2. CONTRACTOR SHALL REVIEW THE PLAN & PROFILE SHEETS FOR ISOLATED VARIATIONS TO THE PROPOSED TYPICAL SECTIONS.

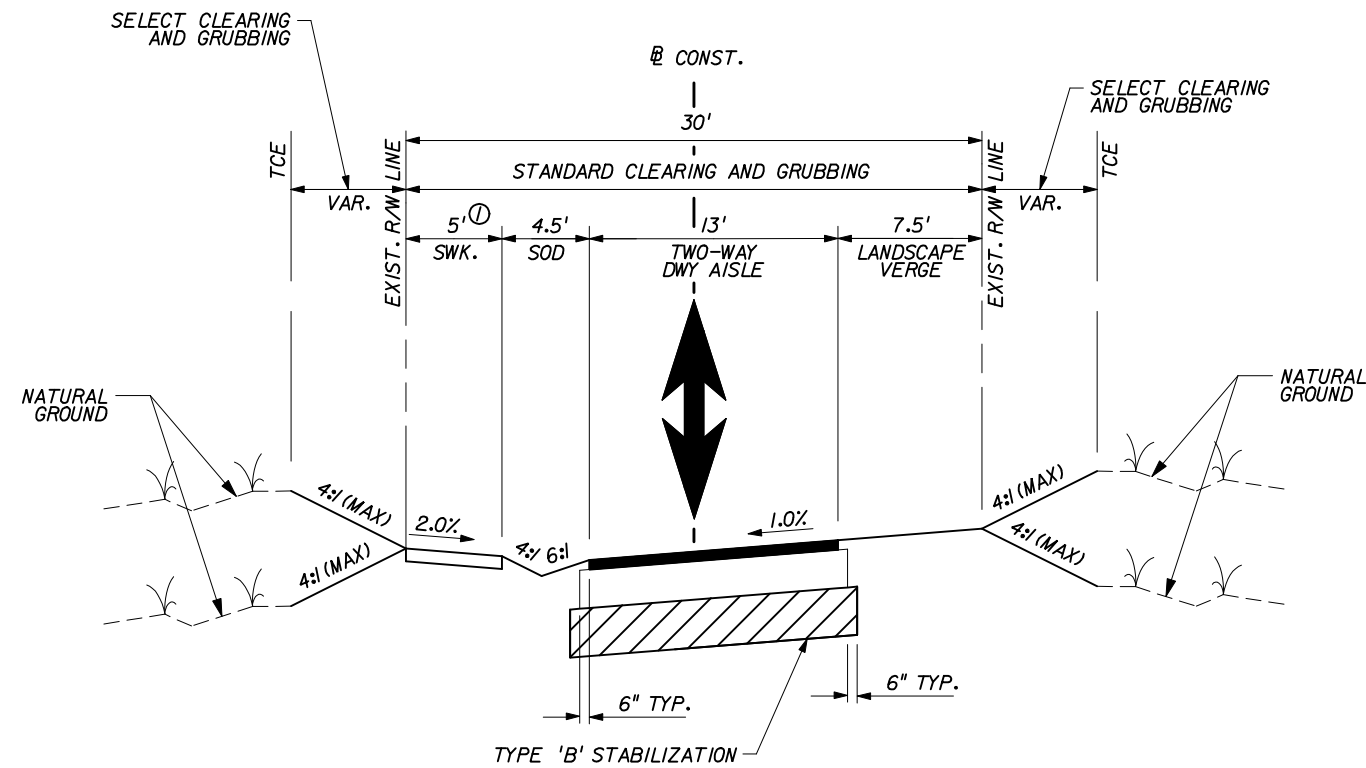
POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH

MILLING
MILL EXISTING ASPHALT PAVEMENT (1.5" MIN. - 6" MAX.)

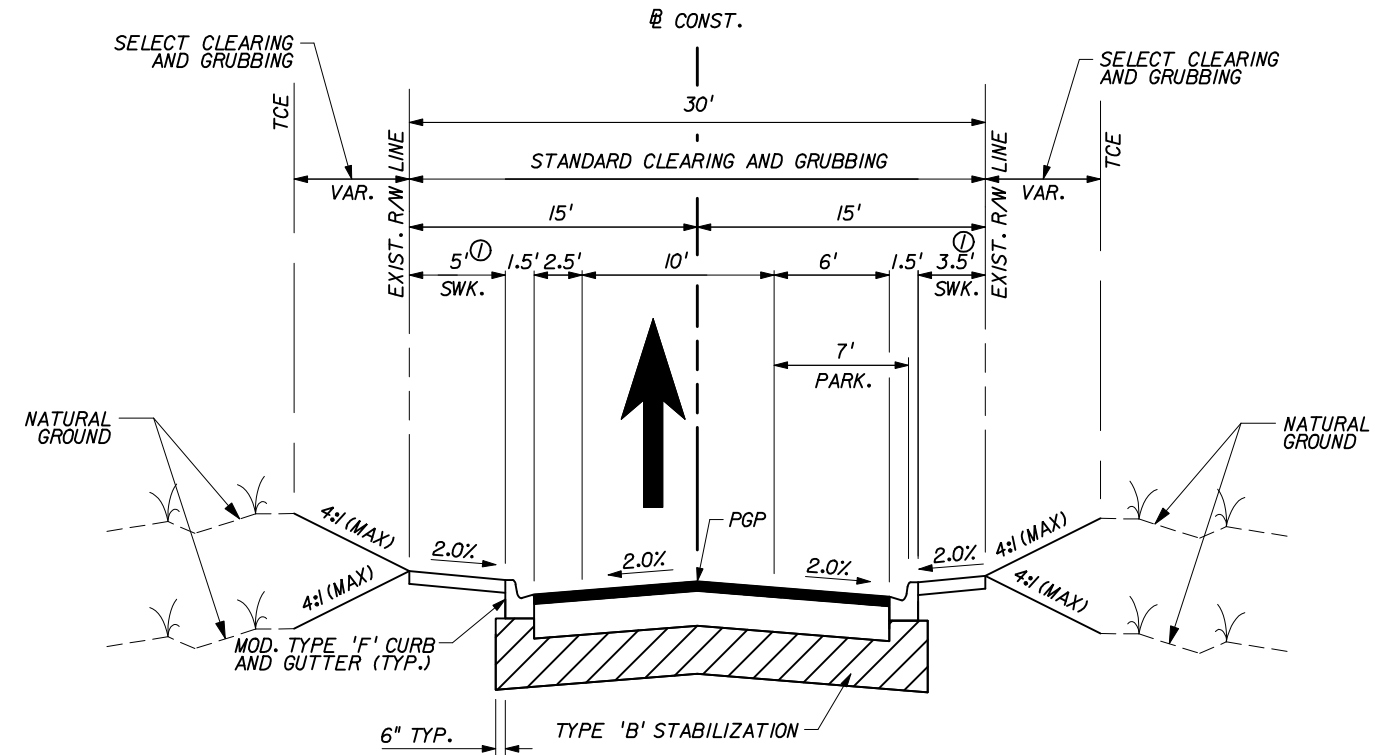
RESURFACING
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)

PAVEMENT RECONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (6")
CEMENTED COQUINA (LBR 100) (6" THICK)

REVISIONS						 BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	SOUTHARD STREET TYPICAL SECTION	SHEET NO. 14
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				



STA. 201+78.72 TO STA. 203+32.00



STA. 203+32.00 TO STA. 207+84.27

NOTES:

1. SIDEWALK WIDTH WILL VARY ALONG CORRIDOR DUE TO PHYSICAL ENCROACHMENTS INTENDED TO REMAIN OR THE PROPOSED SIDEWALK EXTENDING BEYOND THE EXISTING RIGHT-OF-WAY FOR PURPOSES OF HARMONIZATION. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE REGARDING SIDEWALK WIDTH VARIATIONS LOCATED ALONG THE CORRIDOR.
2. CONTRACTOR SHALL REVIEW THE PLAN & PROFILE SHEETS FOR ISOLATED VARIATIONS TO THE PROPOSED TYPICAL SECTIONS.

POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH

NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

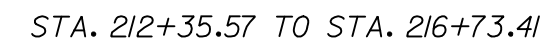
REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	ANGELA STREET TYPICAL SECTION		SHEET NO. 15
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					



2. CONTRACTOR SHALL REVIEW THE PLAN & PROFILE SHEETS FOR ISOLATED VARIATIONS TO THE PROPOSED TYPICAL SECTIONS.

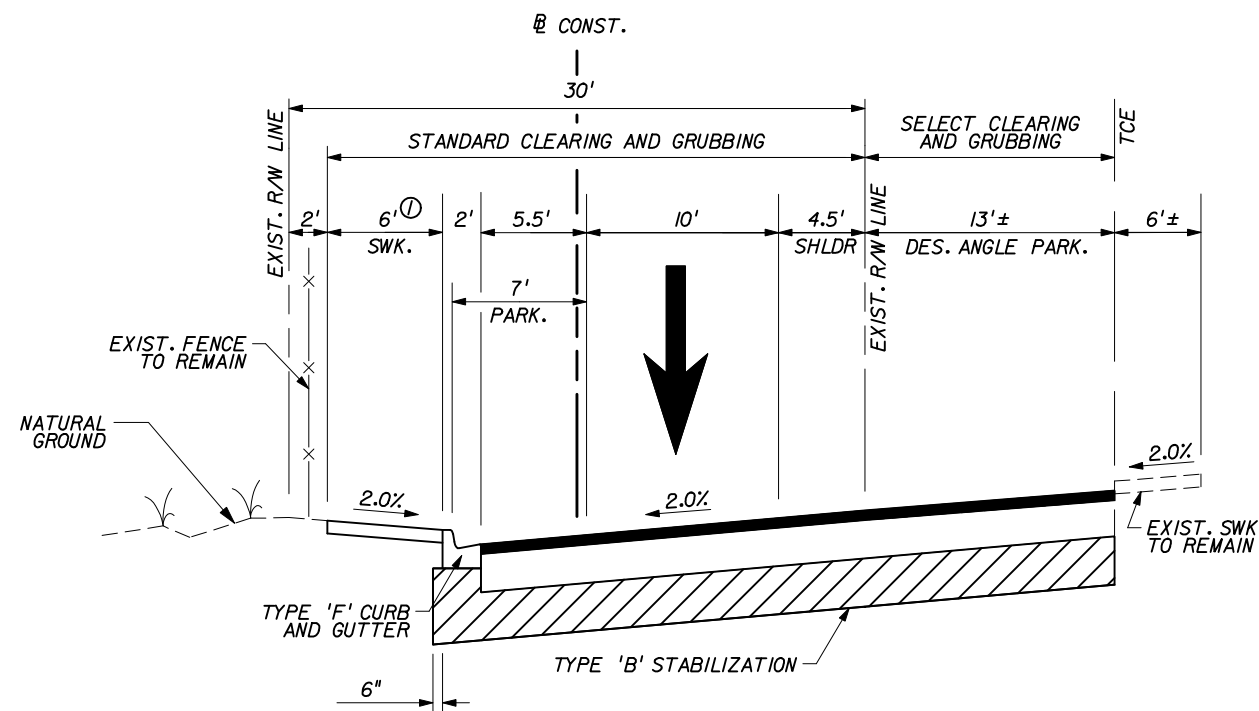
POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH

NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C)(1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C)(2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

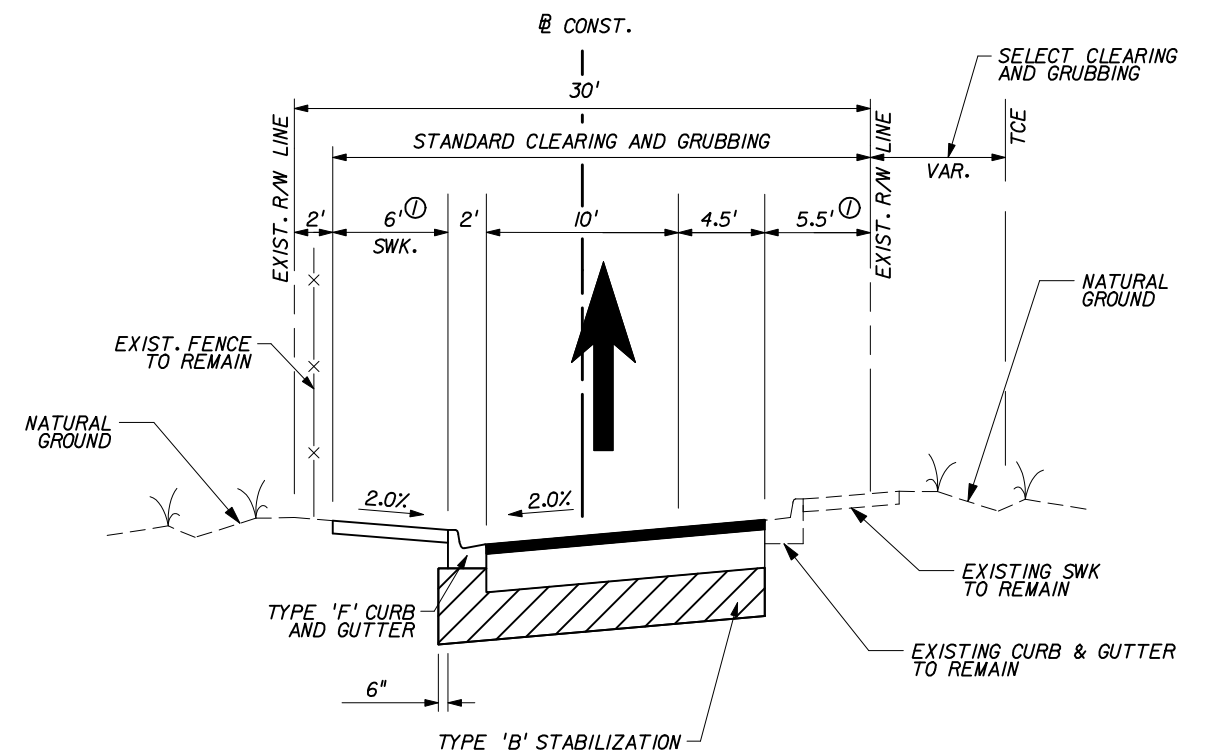


NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C)(1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C)(2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

REVISIONS						 Kimley-Horn and Associates, Inc.	CITY OF KEY WEST FLORIDA		ANGELA STREET TYPICAL SECTION	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			16
						BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION: 00000696				



STA. 900+14.98 TO STA. 906+27.66



STA. 906+27.66 TO STA. 910+20.09

NOTES:

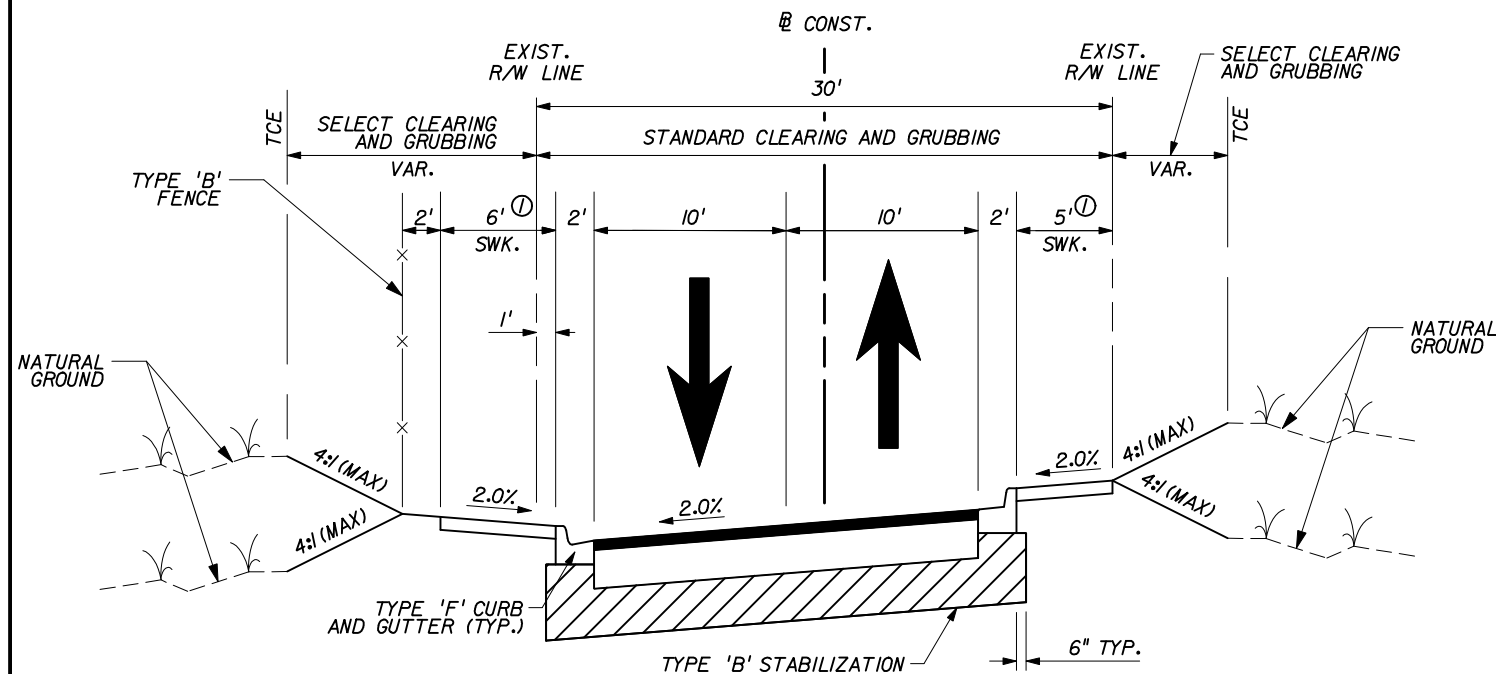
1. SIDEWALK WIDTH WILL VARY ALONG CORRIDOR DUE TO PHYSICAL ENCROACHMENTS INTENDED TO REMAIN OR THE PROPOSED SIDEWALK EXTENDING BEYOND THE EXISTING RIGHT-OF-WAY FOR PURPOSES OF HARMONIZATION. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE REGARDING SIDEWALK WIDTH VARIATIONS LOCATED ALONG THE CORRIDOR.
2. CONTRACTOR SHALL REVIEW THE PLAN & PROFILE SHEETS FOR ISOLATED VARIATIONS TO THE PROPOSED TYPICAL SECTIONS.

POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH

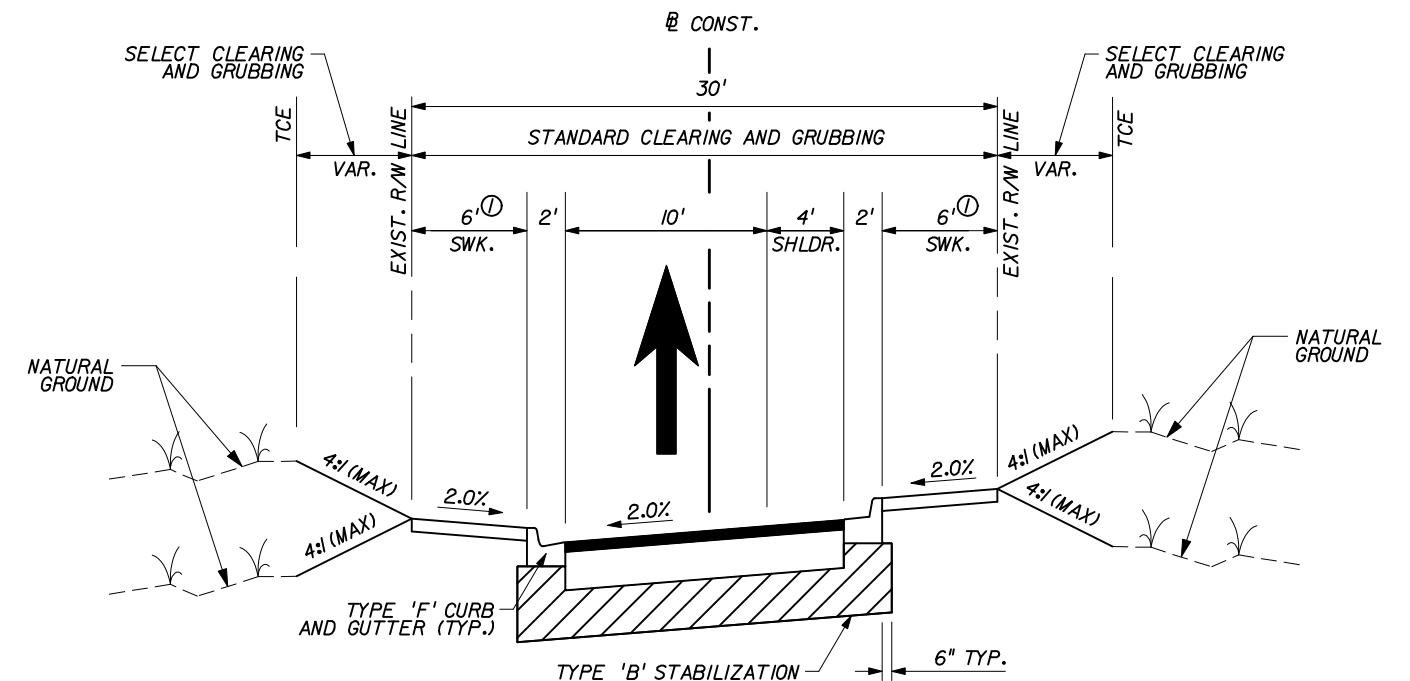
NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS		FORT STREET TYPICAL SECTION		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						25



STA. 910+20.09 TO STA. 914+28.57



STA. 914+28.57 TO STA. 916+32.41

NOTES:

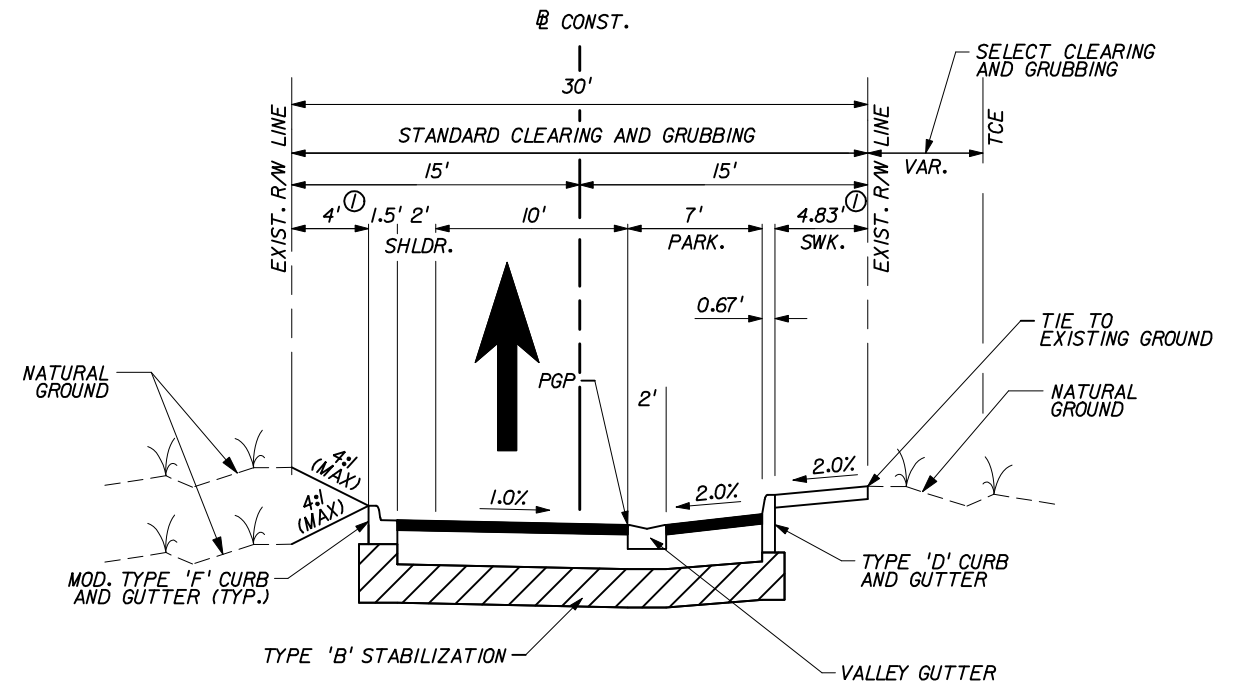
1. SIDEWALK WIDTH WILL VARY ALONG CORRIDOR DUE TO PHYSICAL ENCROACHMENTS INTENDED TO REMAIN OR THE PROPOSED SIDEWALK EXTENDING BEYOND THE EXISTING RIGHT-OF-WAY FOR PURPOSES OF HARMONIZATION. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE REGARDING SIDEWALK WIDTH VARIATIONS LOCATED ALONG THE CORRIDOR.
2. CONTRACTOR SHALL REVIEW THE PLAN & PROFILE SHEETS FOR ISOLATED VARIATIONS TO THE PROPOSED TYPICAL SECTIONS.

POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH

NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	FORT STREET TYPICAL SECTION		SHEET NO. 26
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					



STA. 950+00.00 TO STA. 953+18.97

NOTES:

1. SIDEWALK WIDTH WILL VARY ALONG CORRIDOR DUE TO PHYSICAL ENCROACHMENTS INTENDED TO REMAIN OR THE PROPOSED SIDEWALK EXTENDING BEYOND THE EXISTING RIGHT-OF-WAY FOR PURPOSES OF HARMONIZATION. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE REGARDING SIDEWALK WIDTH VARIATIONS LOCATED ALONG THE CORRIDOR.
2. CONTRACTOR SHALL REVIEW THE PLAN & PROFILE SHEETS FOR ISOLATED VARIATIONS TO THE PROPOSED TYPICAL SECTIONS.

POSTED SPEED = 30 MPH
DESIGN SPEED = 35 MPH

NEW CONSTRUCTION
FRICTION COURSE FC-9.5 (TRAFFIC C) (1.5") (RUBBER)
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
CEMENTED COQUINA LBR 100 (10")
TYPE 'B' STABILIZATION (12") (MIN. LBR 40)

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	GERALDINE STREET TYPICAL SECTION	SHEET NO. 27
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

SUMMARY OF TURNOUTS - SOUTHARD STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
102+58.90	LT	20.0	INDEX 515-M3	23.8		-		
102+68.35	RT	20.0	INDEX 515-A2	25.1		-		
103+55.44	RT	12.0	INDEX 515-A2	16.8		-		
104+07.10	RT	20.0	INDEX 515-A2	25.1		-		
104+10.57	LT	12.0	INDEX 515-M3	14.7		-		
107+00.23	LT	24.0	INDEX 515-G4	34.4		-		
107+39.41	RT	22.0	INDEX 515-A2	28.4		2.28		
107+54.44	LT	10.0	INDEX 515-G4	15.3		-		
107+94.74	LT	10.0	INDEX 515-A2	15.8		-		
108+32.23	RT	12.0	INDEX 515-A2	17.7		-		
108+78.99	LT	10.0	INDEX 515-A2	14.8		15.3		
108+79.38	RT	10.0	INDEX 515-A2	15.4		-		
TOTAL:				247.2		17.6		

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

SUMMARY OF TURNOUTS - ANGELA STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
203+44.63	LT	11.9	5	9.1		-		
204+33.41	RT	18.0	3	19.7		-		
205+03.89	RT	8.5	3	9.7		-		
206+56.89	RT	24.0	3	26.0		-		
206+28.54	RT	14.7	3	16.2		-		
208+88.54	LT	19.7	3	21.5		-		
208+91.16	RT	22.0	5	18.0		-		
209+38.22	RT	43.0	5	27.6		-		
209+73.72	RT	12.0	5	11.3		-		
210+37.30	RT	36.0	5	25.7		-		
210+87.75	RT	36.0	5	25.8		-		
211+22.77	LT	18.9	3	20.6		-		
211+55.40	RT	14.0	5	14.4		-		
213+13.87	LT	15.3	5	4.7		-		
213+37.71	RT	19.4	5	17.5		-		
213+70.50	LT	30.0	5	8.0		-		
213+80.61	RT	16.1	5	15.6		-		
214+31.41	LT	19.1	5	5.6		-		
214+68.78	RT	18.5	5	15.3		-		
214+94.29	LT	9.3	5	3.4		-		
214+96.30	RT	18.5	5	15.1		-		
215+34.63	LT	9.5	5	2.1		-		
TOTAL:				332.7				

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

SUMMARY OF PLANTER BOXES - ANGELA STREET				
ANGELA STREET	SIDE	WIDTH (FT)	DEPTH (FT)	FIELD BOOK REFERENCE
STATION				
209+09.44	RT	14.5	2.0	
209+63.72	RT	8.0	2.0	
210+62.53	RT	14.5	2.0	
214+82.54	RT	9.0	2.0	

SUMMARY OF TURNOUTS - PETRONIA STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
300+50.47	RT	15.0	5	15.0		13.6		
301+48.93	LT	22.0	3	25.8		-		
302+24.55	LT	30.0	3	34.2		16.7		
302+80.56	RT	15.0	5	14.9		11.7		
304+73.59	RT	20.0	5	17.8		11.1		
306+13.56	RT	15.0	5	15.0		5.0		
306+65.72	RT	12.0	5	11.7		-		
306+95.72	RT	36.0	5	25.0		-		
309+00.27	LT	12.0	5	9.8		-		
309+23.54	RT	12.0	5	9.9		-		
309+71.58	LT	12.0	5	9.2		-		
310+38.42	LT	53.0	5	35.0		-		
310+84.03	LT	16.0	5	10.6		-		
313+62.52	RT	19.0	5	14.9		0.9		
313+86.41	LT	12.0	5	10.8		-		
314+83.20	LT	37.0	5	26.1		-		
315+66.48	RT	12.0	5	10.9		-		
TOTAL:				296.7		59.0		

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

SUMMARY OF TURNOUTS - OLIVIA STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
400+61.12	LT	22.5	3	24.5		-		
401+22.26	RT	28.0	1	22.4		-		
401+59.76	LT	20.9	3	22.7		-		
402+06.45	RT	9.8	1	12.1		-		
404+04.90	RT	17.0	1	15.8		-		
405+19.13	RT	14.7	1	14.8		-		
405+62.48	RT	8.6	1	11.5		-		
406+01.49	LT	8.0	3	9.2		-		
406+35.10	RT	9.1	1	11.8		-		
407+33.95	LT	12.5	5	19.0		-		
408+06.66 (THOMAS ST)	LT	12.0	5	12.5		-		
408+20.22	LT	10.0	1	12.3		-		
408+68.23	RT	12.0	2	9.3		-		
408+82.70	LT	11.0	1	12.8		-		
409+10.45	RT	9.5	2	8.4		-		
409+41.64	LT	8.6	1	11.5		-		
409+46.68	RT	12.0	2	9.3		-		
411+75.30	LT	6.0	1	10.0		-		
412+56.86 (WHITEHEAD ST)	LT	14.0	2	13.8		-		
412+80.07	LT	37.0	2	24.0		-		
413+34.03	LT	16.0	1	15.5		-		
413+94.80	LT	10.0	1	12.2		-		
414+57.31	LT	10.5	1	12.5		-		
415+05.20	LT	13.4	1	12.5		-		
415+37.98	LT	40.1	1	28.1		-		
415+90.78	LT	25.1	1	15.5		-		
416+32.78	LT	36.0	1	21.0		-		
TOTAL:				404.8				

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

SUMMARY OF PLANTER BOXES - OLIVIA STREET				
OLIVIA STREET	SIDE	WIDTH (FT)	DEPTH (FT)	FIELD BOOK REFERENCE
STATION				
416+11.78	LT	6.0	2.0	

SUMMARY OF TURNOUTS - TRUMAN AVENUE								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
504+13.78	RT	10.0	5	12.2		1.71		
504+63.50	LT	13.0	2	9.6		16.5		
504+69.37	RT	10.0	5	12.2		4.7		
505+44.67	RT	12.0	5	13.3		3.3		
506+22.78	LT	14.0	2	39.0		12.9		
507+73.76 (THOMAS ST)	RT	10.0	3	12.8		-		
508+86.19	LT	10.0	5	12.2		2.61		
509+23.16	LT	10.0	5	12.2		2.8		
509+52.13	RT	10.6	3	15.8		-		
509+71.45	RT	12.0	3	22.8		-		
510+12.20	LT	12.0	5	15.0		32.1		
510+70.37	LT	23.9	5	21.1		6.6		
510+74.14	RT	12.3	3	15.0		-		
513+08.12	LT	7.5	5	13.0		-		
513+44.45	LT	8.5	5	13.1		-		
513+72.53	LT	9.4	5	13.9		-		
513+95.54	RT	18.0	5	19.9		-		
514+01.86	LT	10.6	5	14.9		-		
514+74.89	LT	21.4	5	15.6		50.0		
515+38.08	RT	14.6	5	18.1		-		
515+60.06	LT	21.4	5	39.4		-		
515+78.48	LT	8.0	5	18.7		-		
515+75.54	RT	10	5	14.81		-		
TOTAL:				394.6		133.2		

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA		SUMMARY OF QUANTITIES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			28

SUMMARY OF TURNOUTS - JULIA STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
600+63.65	RT	10.0	3	12.2		5.6		
601+37.15	LT	10.0	PLAN 'C' W/ 6' FLARE	7.1		-		
601+91.74	LT	21.8	PLAN 'C' W/ 6' FLARE	12.3		-		
601+99.53	RT	10.0	3	12.2		-		
602+37.97	LT	10.9	4	7.5		-		
604+02.20	RT	12.0	3	13.8		6.7		
604+05.56	LT	15.0	1	23.3		8.3		
606+13.11	LT	9.3	1	20.4		-		
606+44.51	RT	12.0	3	13.8		-		
606+70.82	LT	10.3	1	18.1		-		
607+61.79	LT	14.3	1	16.8		-		
607+63.35	RT	11.8	3	13.5		-		
608+46.50	RT	13.5	3	15.4		-		
608+50.33	LT	7.0	1	14.5		-		
610+16.67	LT	22.8	1	33.7		-		
TOTAL:				234.5		20.6		

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

SUMMARY OF TURNOUTS - VIRGINIA STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
700+80.92	LT	18.0	3	33.7		-		
701+87.64	LT	12.0	3	24.6		-		
702+05.17	LT	12.0	3	24.6		-		
702+37.66	LT	12.0	3	23.1		-		
703+68.70	LT	10.0	3	19.5		-		
705+31.61	RT	12.0	5	29.3		6.4		
705+65.92	RT	12.0	5	29.3		6.7		
705+73.33	LT	12.0	5	25.3		-		
706+11.26	RT	12.0	5	29.3		-		
706+20.71	LT	24.0	3	44.4		13.4		
706+90.70	LT	24.5	3	44.4		-		
707+42.64	RT	18.0	3	33.7		-		
708+29.60	LT	29.6	3	54.3		-		
710+24.54	LT	18.0	3	27.5		-		
710+46.04	LT	16.0	3	24.8		-		
710+60.21	RT	10.0	3	15.2		-		
711+09.74	RT	11.9	3	17.9		-		
711+40.70	LT	15.0	3	22.2		-		
711+59.88	RT	10.7	3	16.2		-		
711+93.60	LT	10.0	3	22.1		-		
712+09.46	LT	12.0	3	26.0		-		
712+56.04	LT	12.0	3	17.6		-		
712+56.29	RT	13.0	3	19.4		8.6		
TOTAL:				624.3		35.1		

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

SUMMARY OF PLANTER BOXES - VIRGINIA STREET				
VIRGINIA STREET	SIDE	WIDTH (FT)	DEPTH (FT)	FIELD BOOK REFERENCE
STATION				
701+96.41	LT	5.5	10.0	
710+35.79	LT	4.5	6.5	
712+01.03	LT	4.8	6.5	

SUMMARY OF TURNOUTS - AMELIA STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
807+27.56	RT	15.0	4	16.4		-		
809+32.62	LT	12.0	3	13.6		-		
809+50.14	RT	17.9	1	16.6		-		
809+88.57	RT	10.0	1	12.2		-		
809+94.62	LT	11.8	3	13.5		-		
810+13.58	RT	12.0	1	13.3		-		
811+31.15	RT	11.2	1	12.9		-		
811+88.18	LT	15.7	3	17.7		-		
813+56.96	LT	10.4	3	12.1		-		
813+79.16	RT	14.0	1	14.4		-		
813+96.03	LT	14.7	3	16.6		-		
814+51.51	LT	12.2	3	14.1		-		
815+72.13	RT	6.0	1	15.9		-		
815+83.36	LT	20.0	3	22.2		-		
TOTAL:				211.5				

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

SUMMARY OF TURNOUTS - FORT STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
911+48.88	LT	28.0	5	16.5		11.02		
911+74.89	RT	17.8	5	-		-		
913+72.66	RT	20.0	5	17.8		10.7		
915+32.90	RT	16.6	5	26.1		-		
TOTAL:				60.4		21.7		

NOTE: 1. REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

2. URBAN FLARED TURNOUTS LOCATED AT STA. 158+30.49, STA. 159+21.87, STA. 159+44.52, AND STA. 159+92.50 HAVE FLARED SIDE CURB TRANSITIONS AS PER FDOT INDEX 515, PLAN A, IN LIEU OF RADIAL CURB RETURNS.

SUMMARY OF TURNOUTS - GERALDINE STREET								
STATION	SIDE	WIDTH (FT)	TURNOUT TYPE	CONCRETE AREA (SY)		ASPHALT AREA (SY)		FIELD BOOK REFERENCE
				CONCRETE SIDEWALK (6" THICK)		TYPE SP-12.5 STR. COURSE (TRAF. C) (2") CEMENTED COQUINA LBR100 (5")		
				PLAN	FINAL	PLAN	FINAL	
				950+95.78	LT	21.9	3	
TOTAL:				10.5				

NOTE: REFERENCE FDOT INDEX 515 OR TURNOUT DETAILS IN ROADWAY PLAN SHEETS.

SUMMARY OF EARTHWORK				
STREET NAME / DESCRIPTION	REGULAR EXCAVATION		EMBANKMENT	
	VOL (CY)		VOL (CY)	
	PLAN	FINAL	PLAN	FINAL
SOUTHARD STREET	433		6	
ANGELA STREET	1,810		21	
PETRONIA STREET	1,691		8	
OLIVIA STREET	2,351		17	
TRUMAN AVENUE	1,757		3	
JULIA STREET	1,516		1	
VIRGINIA STREET	2,247		29	
AMELIA STREET	1,926		41	
FORT STREET	1,747		27	
GERALDINE STREET	364		0	
GRAND TOTAL	15,841		153	

NOTES:

1. EARTHWORK HAS BEEN CALCULATED USING THE CEMENTED COQUINA BASE OPTION. IF ANOTHER OPTION IS CONSTRUCTED, THERE SHALL BE NO REVISION TO THE EARTHWORK QUANTITIES FOR WHICH PAYMENT IS MADE BY PLAN QUANTITY.

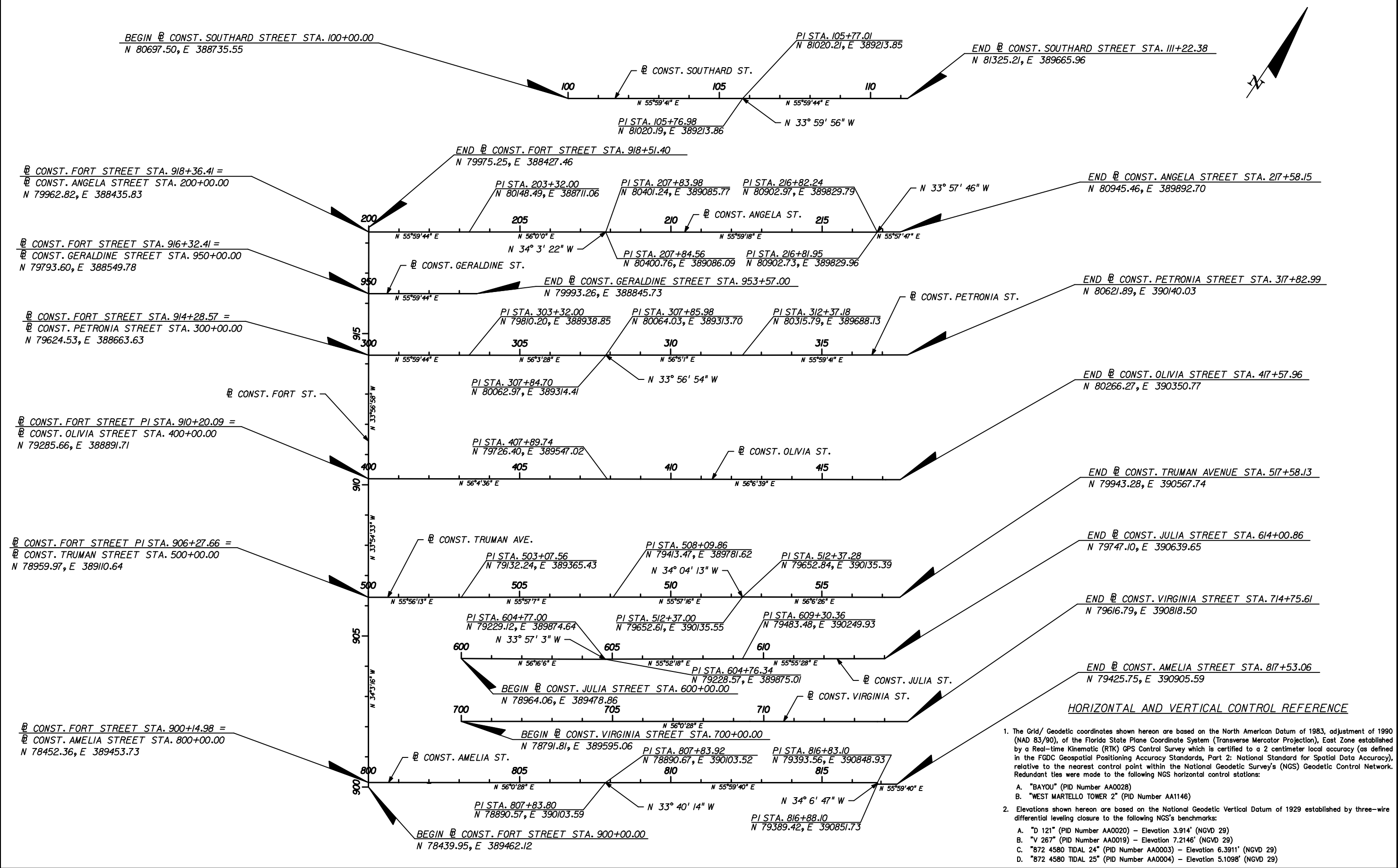
REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA		SUMMARY OF QUANTITIES	SHEET NO.		
DATE	BY	DESCRIPTION			DATE		BY	DESCRIPTION			29	
								BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS				

Jagan.katkur1

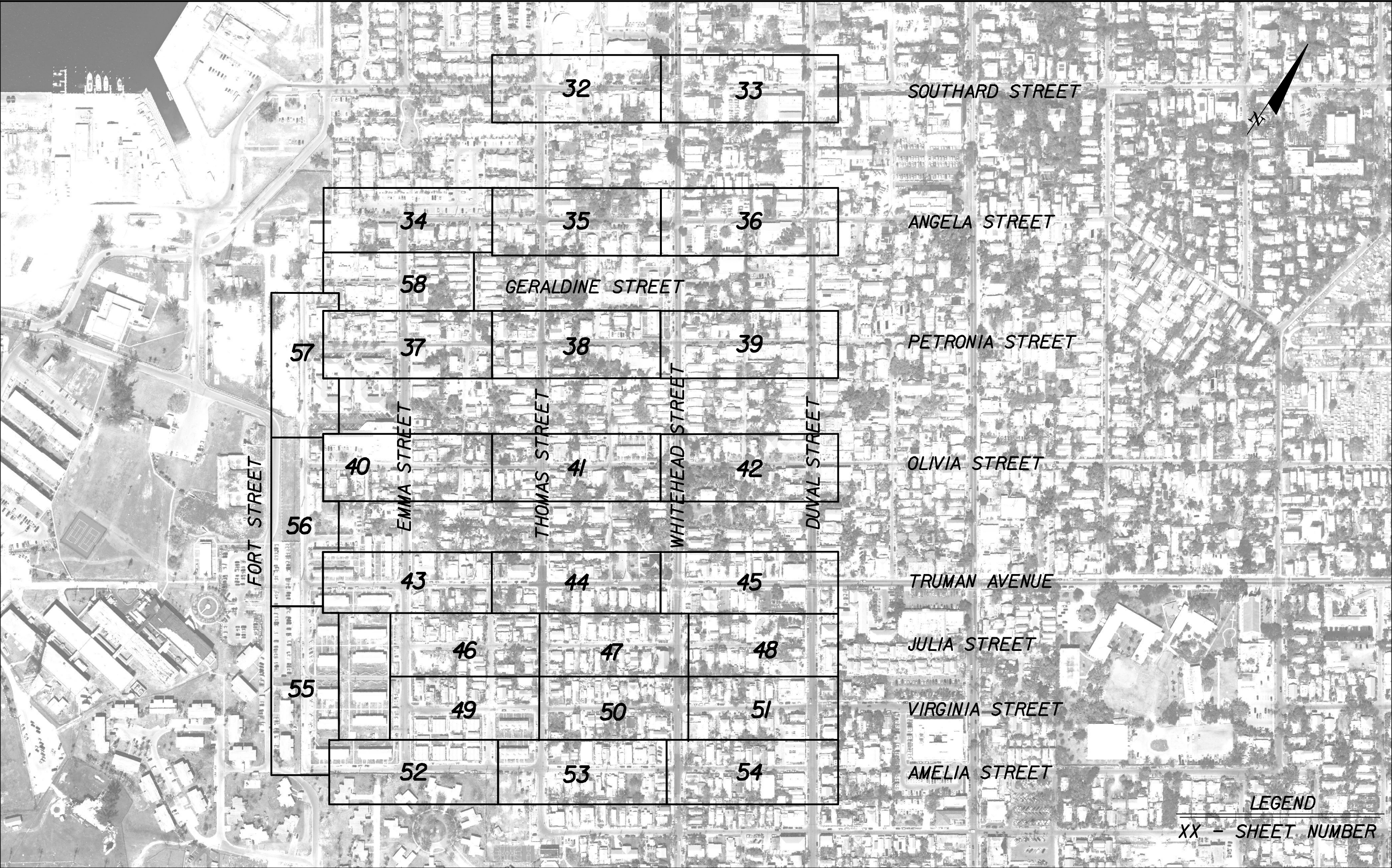
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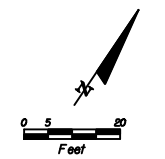
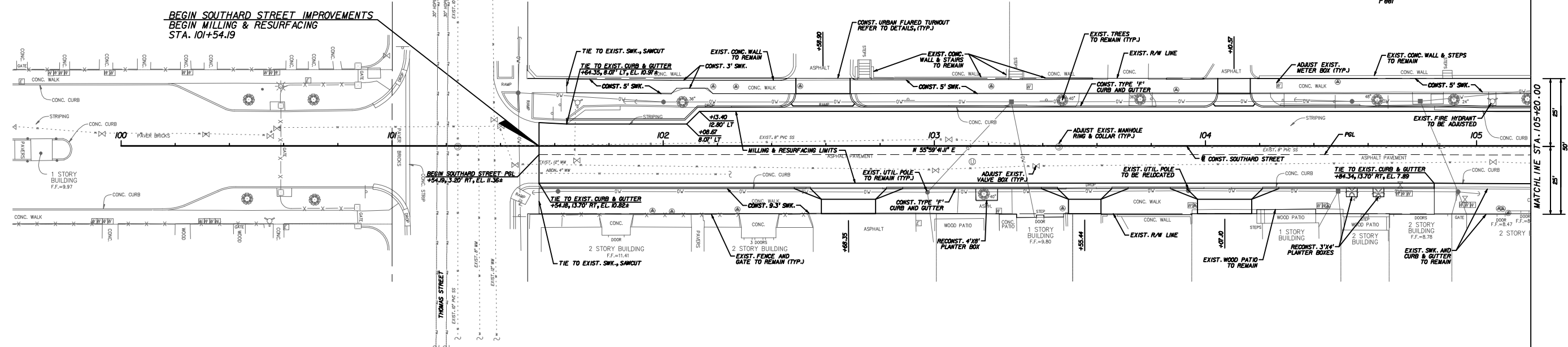
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REVISIONS						Kimley-Horn and Associates, Inc.	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	HORIZONTAL AND VERTICAL CONTROL SHEET		SHEET NO. 30
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
					BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 601 21st STREET, SUITE 300 VERO BEACH, FL 32960 (772) 562-7981 CERTIFICATE OF AUTHORIZATION# 00000696					



REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS		PROJECT LAYOUT		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						31

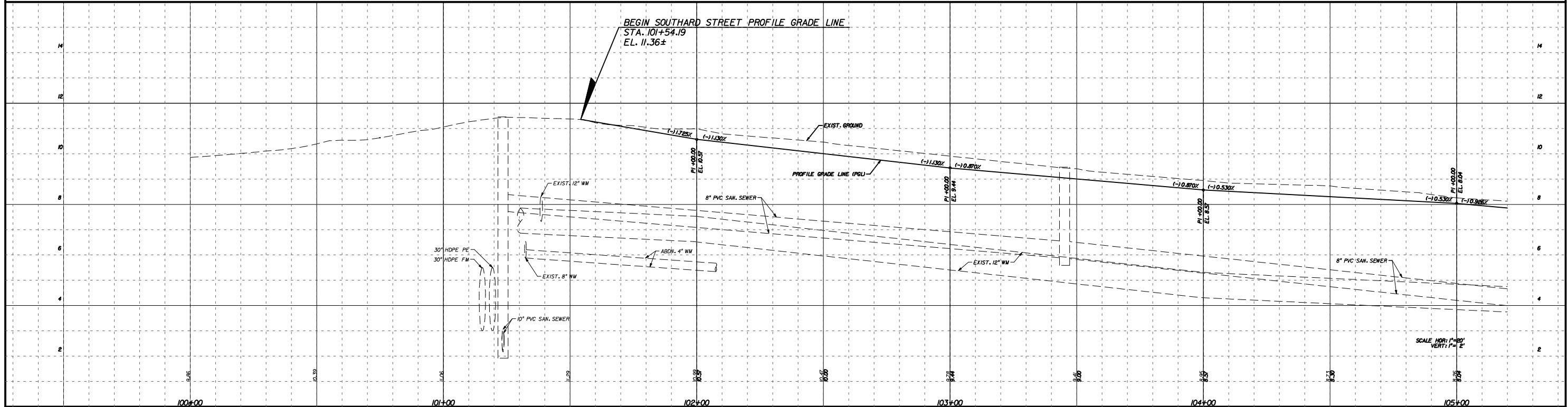


NOTES:

- 1. REFER TO URBAN TURNOUT SUMMARY TABLE AND ASSOCIATED DETAILS FOR ADDITIONAL INFORMATION.
- 2. REFER TO LANDSCAPE & LIGHTING SHEETS FOR ADDITIONAL INFORMATION RELATED TO TREE REMOVAL.

LEGEND

- CROSSWALK PAVERS (REFER TO HARDSCAPE DETAILS)
- DETECTABLE WARNING DOMES (REFER TO FDOT INDEX 304)



REVISIONS			REVISIONS		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

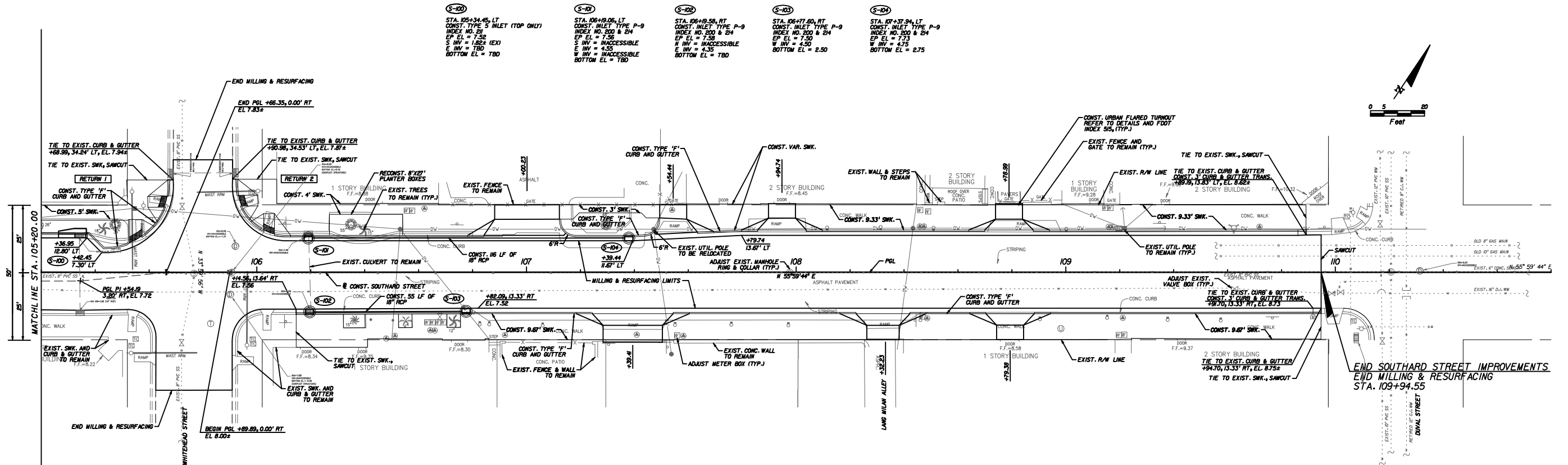
Kimley-Horn and Associates, Inc.
BRIAN A. GOOD, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
CERTIFICATE OF AUTHORIZATION# 00000696

**CITY OF KEY WEST
FLORIDA**

**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

**SOUTHARD STREET
PLAN AND PROFILE**

SHEET NO.
32



CURB RETURN	STATION	PC	OFFSET	ELEVATION	STATION	PT	OFFSET	ELEVATION	RADIUS, FT	CURB RAMP PROFILE
1	105+44.03	7.30' LT	7.61	105+69.03	32.36' LT	7.91	25	CR 1, CR 22		
2	105+90.94	31.72' LT	7.84	106+10.94	11.67' LT	7.63	20	CR 1		

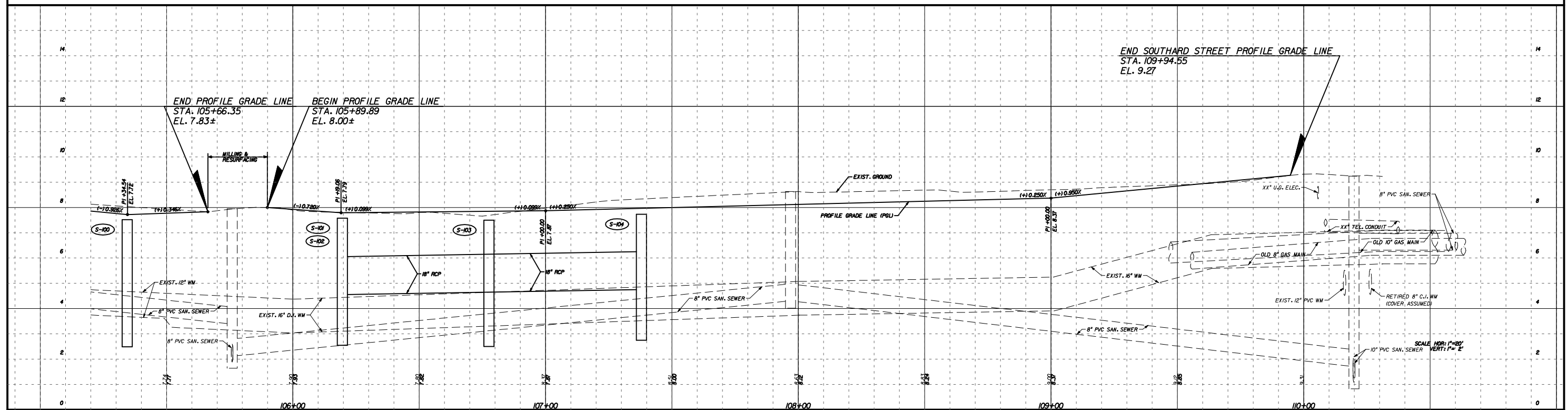
NOTE:
1. STATION/ OFFSET INFORMATION IS REFERENCED TO BASELINE OF CONSTRUCTION
2. CURB RAMP PROFILES REFER TO FOOT INDEX 304

NOTES:

1. REFER TO URBAN TURNOUT SUMMARY TABLE AND ASSOCIATED DETAILS FOR ADDITIONAL INFORMATION.
2. REFER TO LANDSCAPE & LIGHTING SHEETS FOR ADDITIONAL INFORMATION RELATED TO TREE REMOVAL.
3. CONTRACTOR SHALL REPLACE EXISTING SIGNALIZATION PAVEMENT LOOPS IN LINE KING.

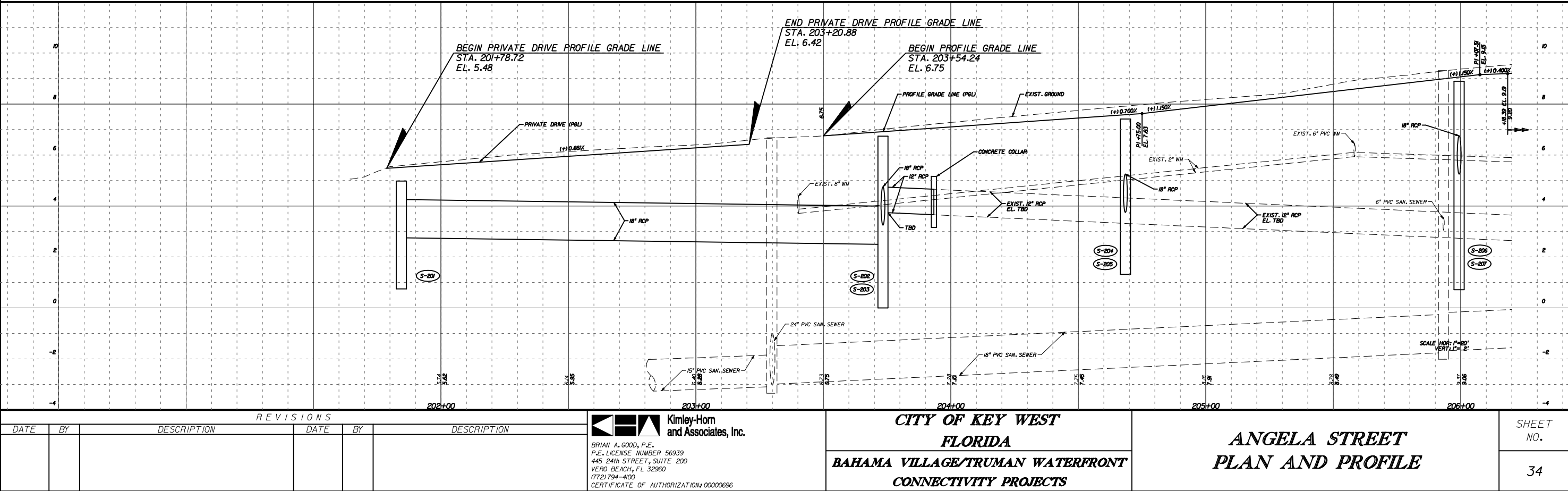
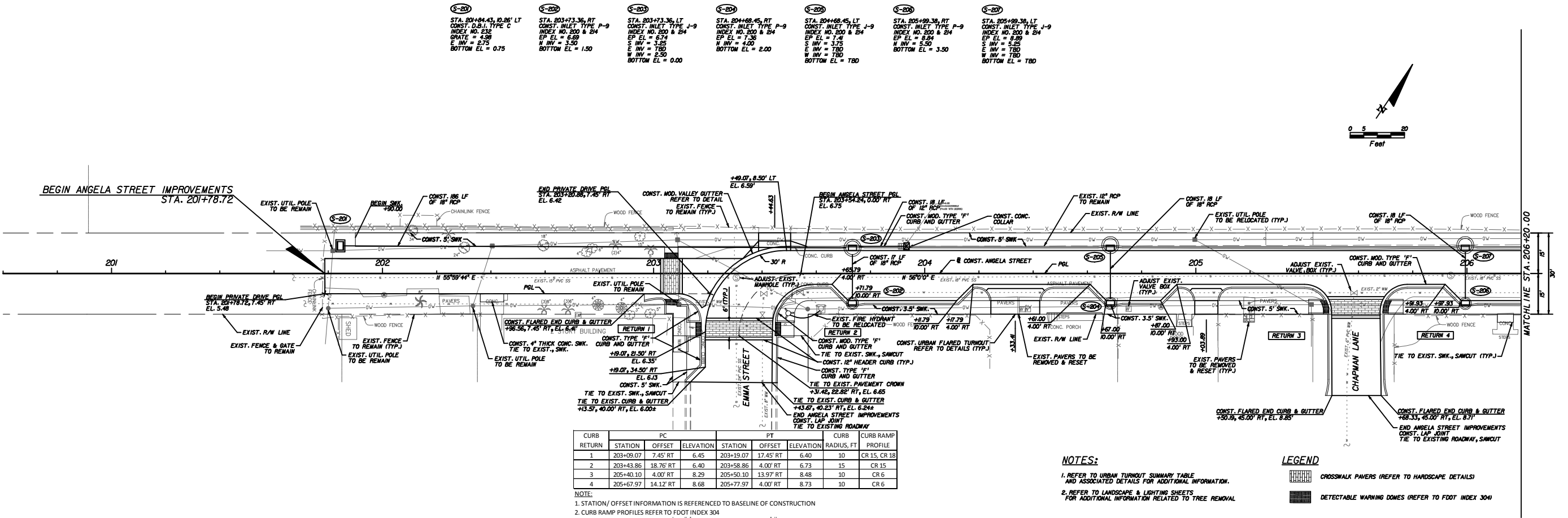
LEGEND

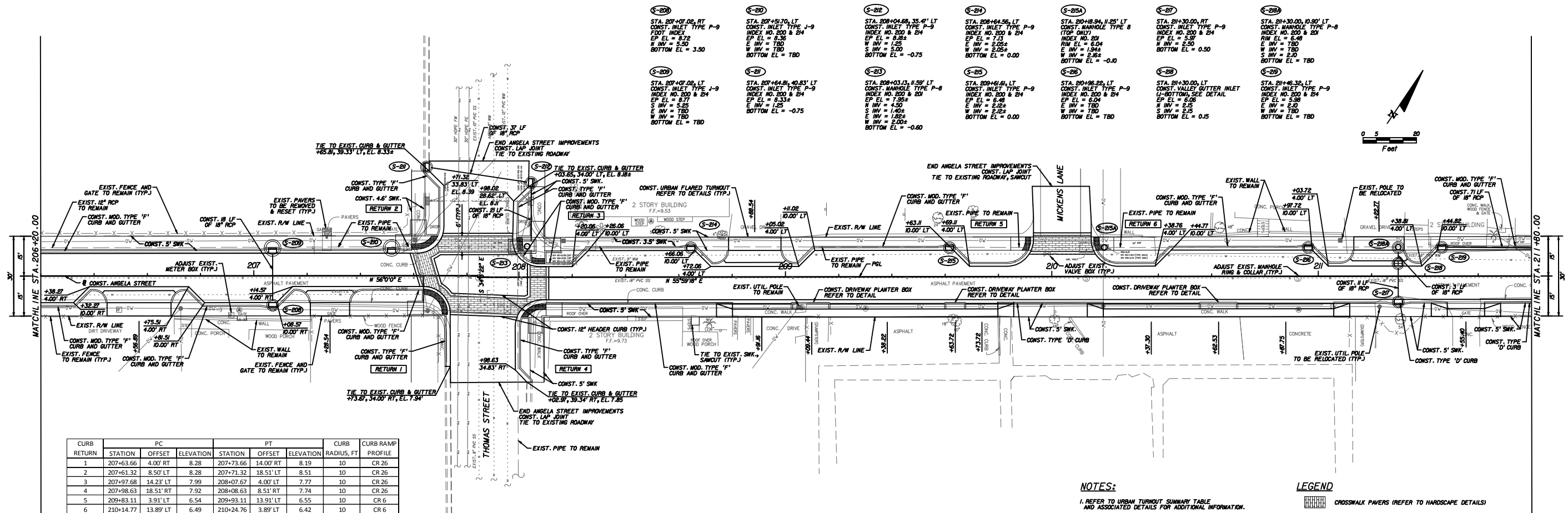
- CROSSWALK PAVERS (REFER TO HANDBOOK DETAILS)
- DETECTABLE WARNING DOWNS (REFER TO FOOT INDEX 304)



REVISIONS				CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS				SOUTHARD STREET PLAN AND PROFILE		SHEET NO. 33	
DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION					

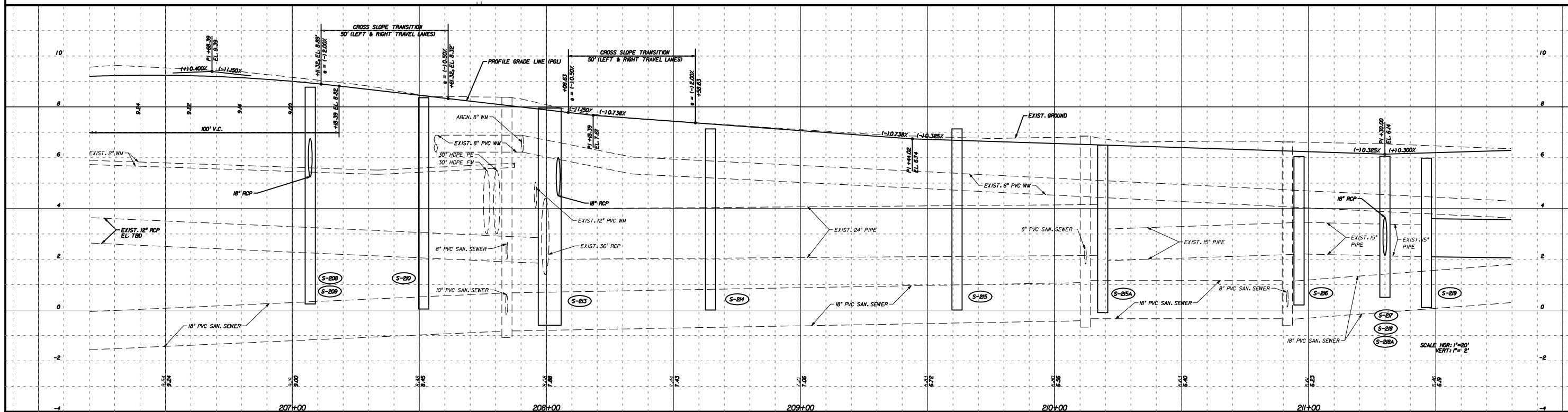
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and Associates, Inc.**
BRIAN A. GOOD, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
CERTIFICATE OF AUTHORIZATION# 00000696





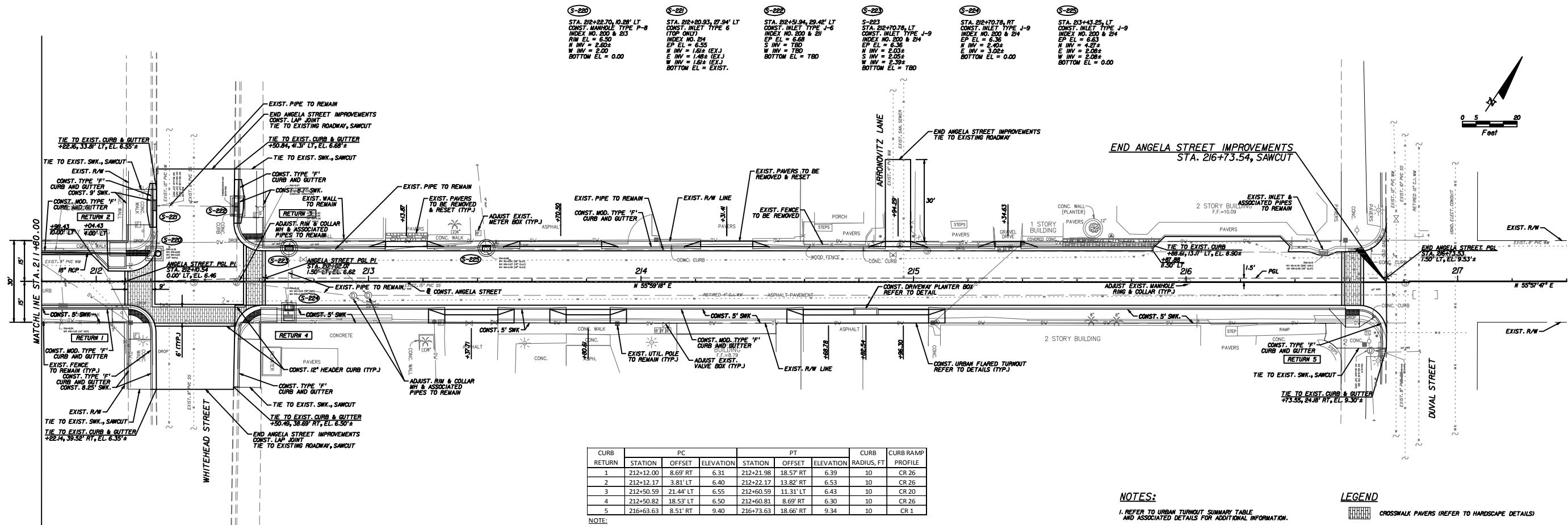
CURB RETURN	STATION	PC	PT	STATION	PC	PT	CURB RAMP PROFILE
1	207+63.66	4.00' RT	8.28	207+73.66	14.00' RT	8.19	CR 26
2	207+61.32	8.50' LT	8.28	207+71.32	18.51' LT	8.51	CR 26
3	207+97.68	14.23' LT	7.99	208+07.67	4.00' LT	7.77	CR 26
4	207+98.63	18.51' RT	7.92	208+08.63	8.51' RT	7.74	CR 26
5	209+83.11	3.91' LT	6.54	209+93.11	13.91' LT	6.55	CR 6
6	210+14.77	13.89' LT	6.49	210+24.76	3.89' LT	6.42	CR 6

NOTE:
 1. STATION/OFFSET INFORMATION IS REFERENCED TO BASELINE OF CONSTRUCTION
 2. CURB RAMP PROFILES REFER TO FOOT INDEX 304



DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION		CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS		ANGELA STREET PLAN AND PROFILE		SHEET NO. 35	

**Kimley-Horn
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 445 24th STREET, SUITE 200
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 CERTIFICATE OF AUTHORIZATION# 00000696

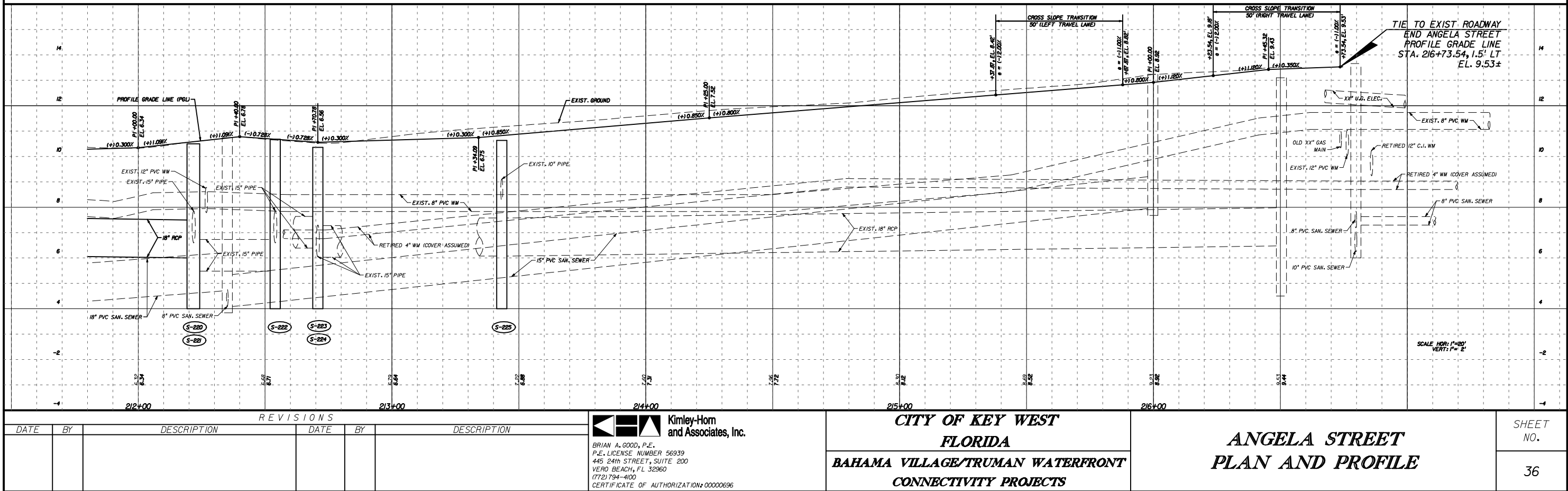


CURB RETURN	PC			PT			CURB RADIUS, FT	CURB RAMP PROFILE
	STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION		
1	212+12.00	8.69' RT	6.31	212+21.98	18.57' RT	6.39	30	CR 26
2	212+12.17	3.81' LT	6.40	212+22.17	13.82' RT	6.53	30	CR 26
3	212+50.59	21.44' LT	6.55	212+60.59	11.31' LT	6.43	30	CR 20
4	212+50.82	18.53' LT	6.50	212+60.81	8.69' RT	6.30	30	CR 26
5	216+63.63	8.51' RT	9.40	216+73.63	18.66' RT	9.34	30	CR 1

NOTE:
1. STATION/ OFFSET INFORMATION IS REFERENCED TO BASELINE OF CONSTRUCTION
2. CURB RAMP PROFILES REFER TO FDOT INDEX 304

NOTES:
1. REFER TO URBAN TURNOUT SUMMARY TABLE AND ASSOCIATED DETAILS FOR ADDITIONAL INFORMATION.
2. REFER TO LANDSCAPE & LIGHTING SHEETS FOR ADDITIONAL INFORMATION RELATED TO TREE REMOVAL.

LEGEND
CROSSWALK PAVERS (REFER TO HARDSCAPE DETAILS)
DETECTABLE WARNING DOWNS (REFER TO FDOT INDEX 304)



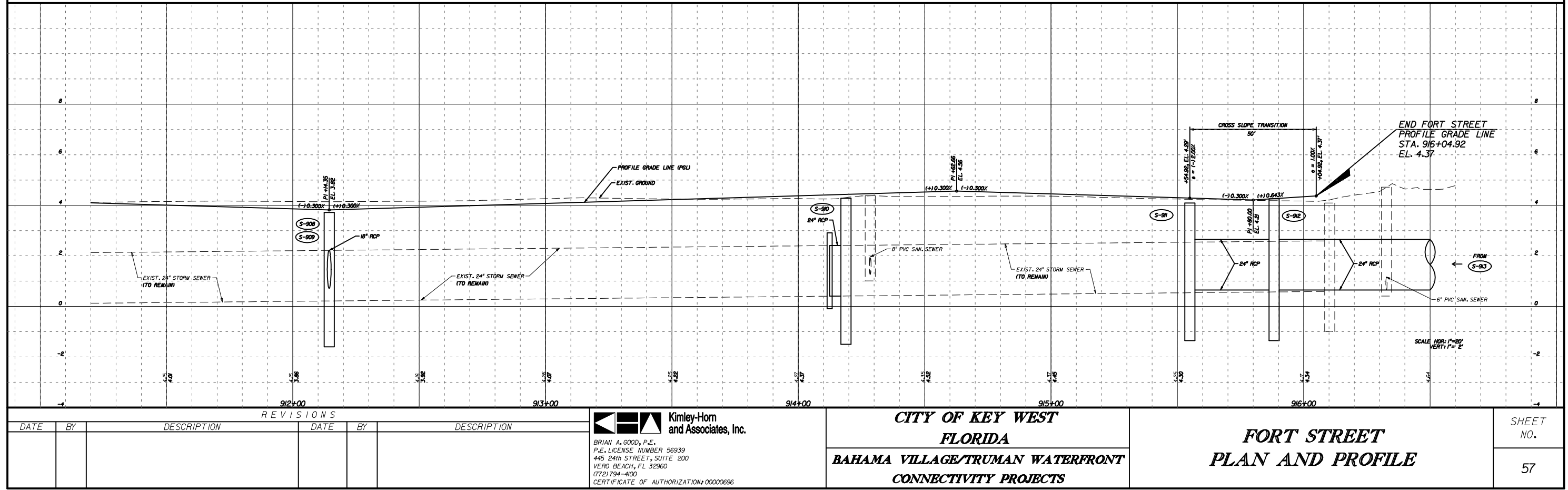
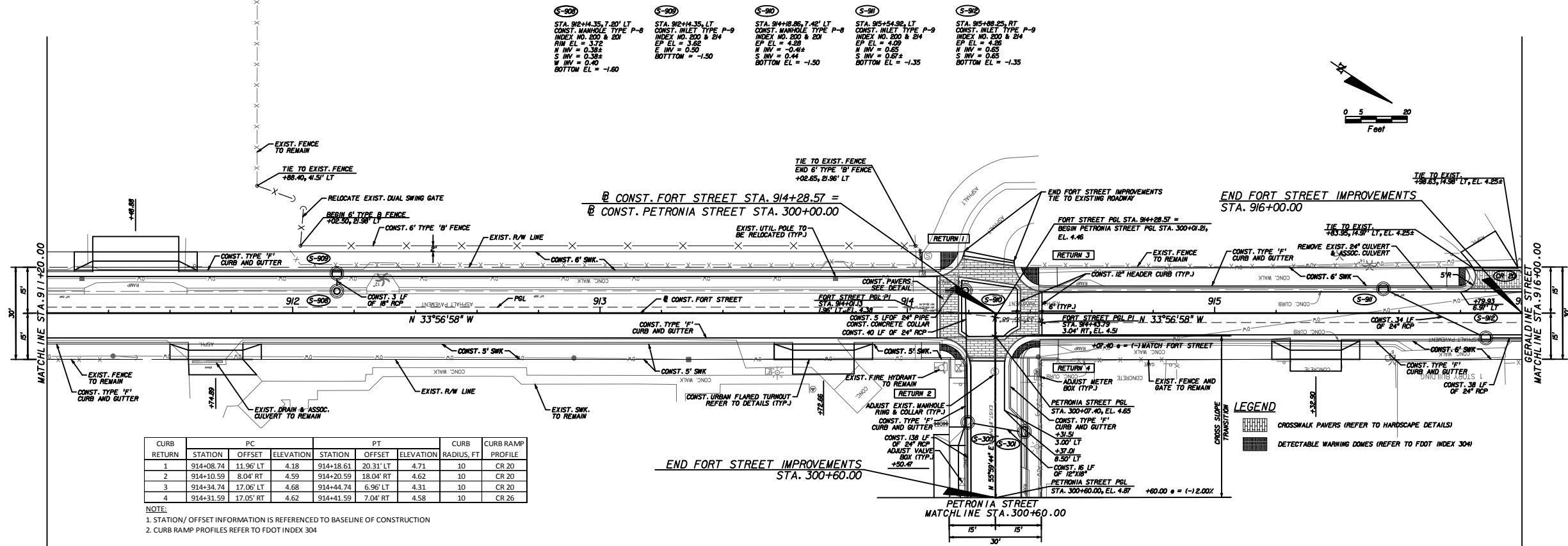
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

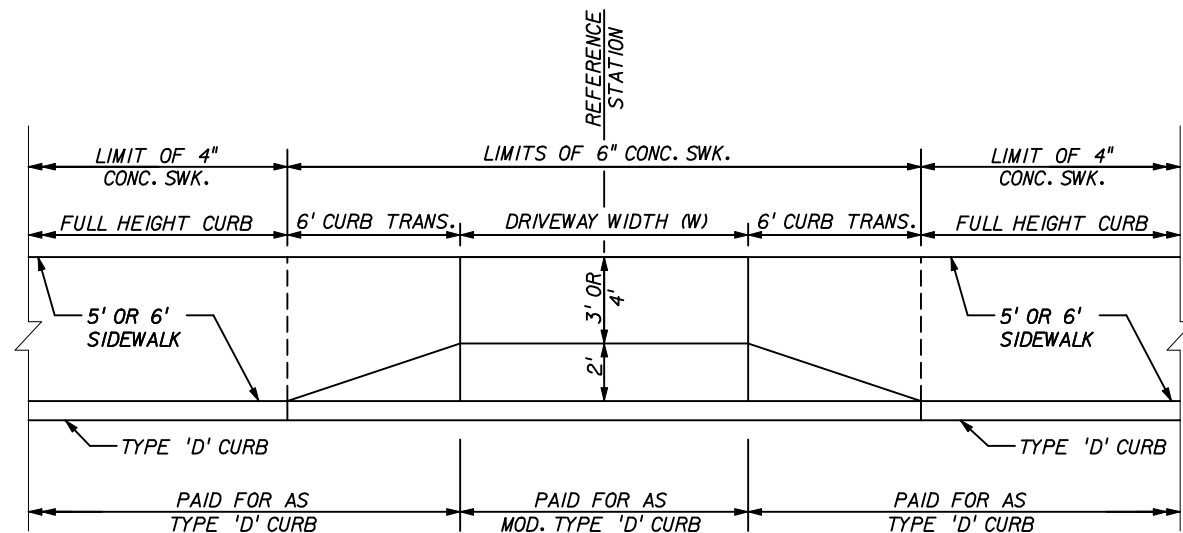
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P.E. LICENSE NUMBER 56939
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CERTIFICATE OF AUTHORIZATION# 00000696

**CITY OF KEY WEST
FLORIDA**
**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

**ANGELA STREET
PLAN AND PROFILE**

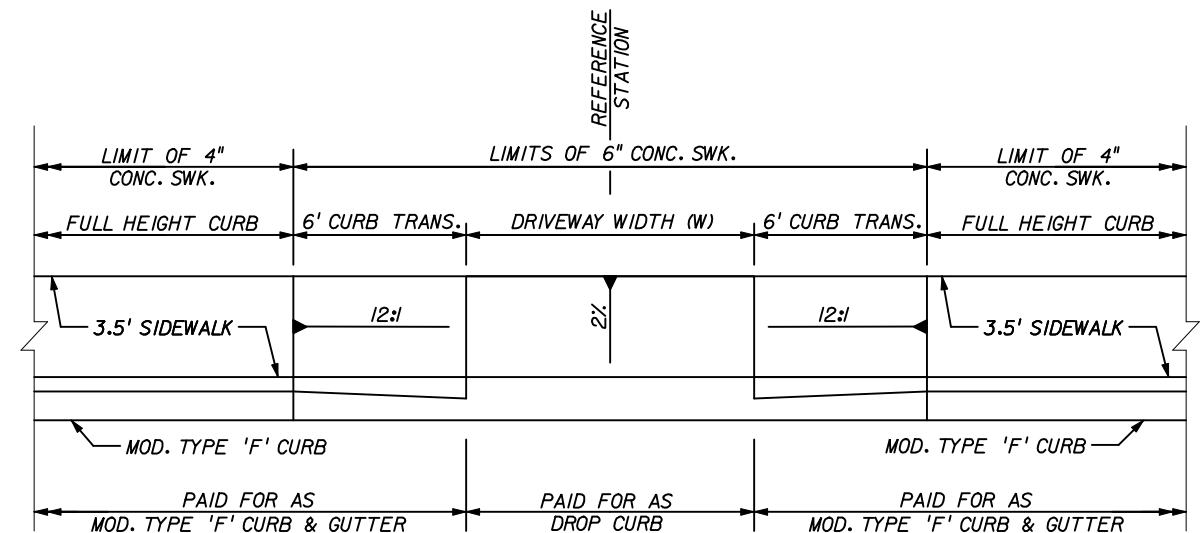
SHEET NO.
36





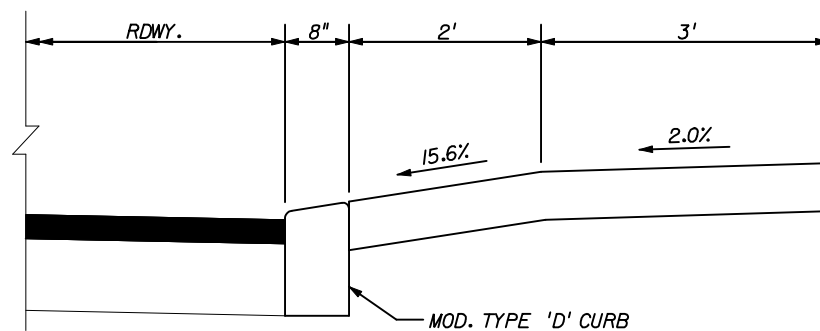
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NTS



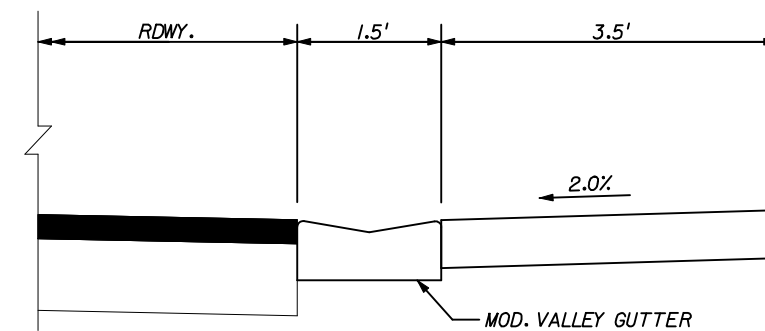
TYPE 2 URBAN FLARED TURNOUT - PLAN VIEW DETAIL

NTS



TYPE 1 URBAN FLARED TURNOUT - PROFILE DETAIL

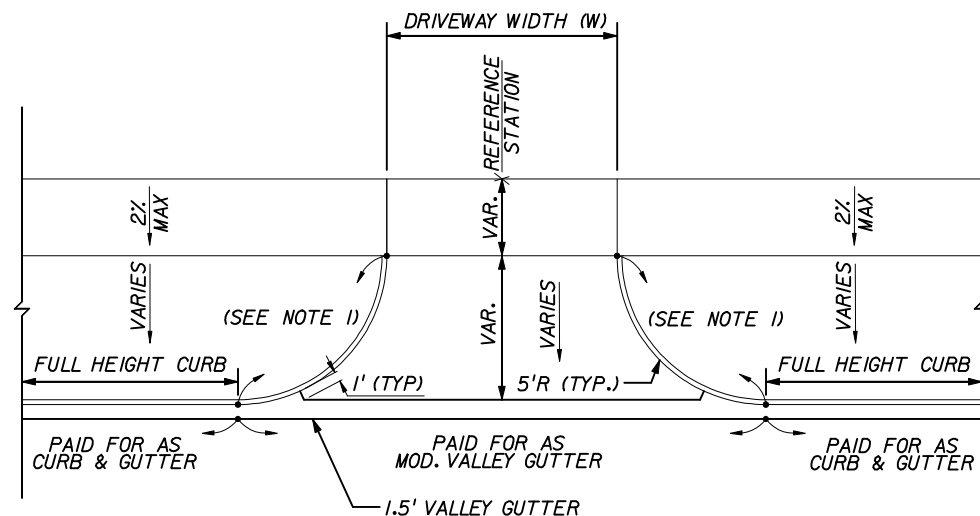
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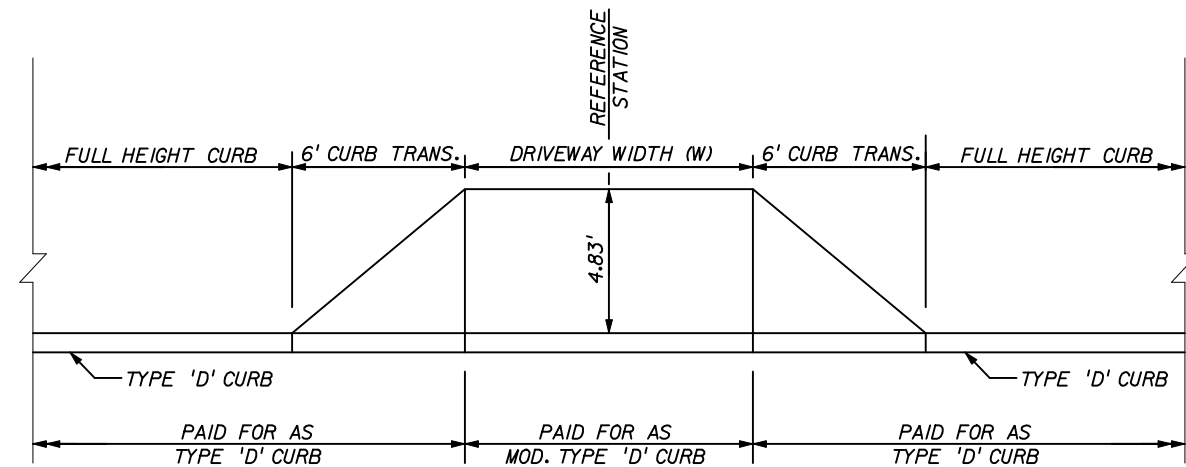
TYPE 2 URBAN FLARED TURNOUT - PROFILE DETAIL

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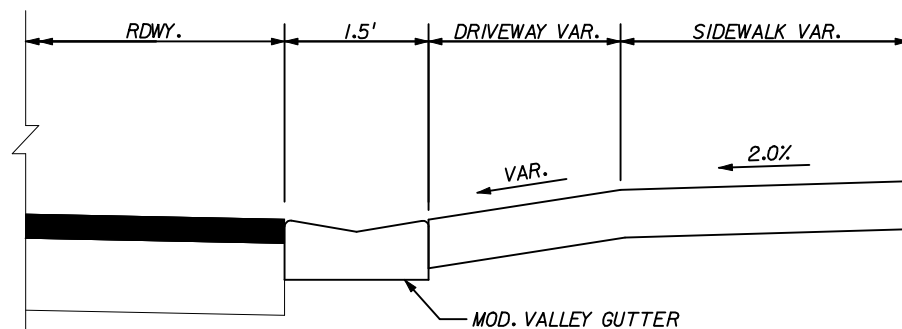
REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 601 2161 STREET, SUITE 300 VERO BEACH, FL 32960 (772) 562-7981 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS		MISCELLANEOUS ROADWAY DETAIL SHEET		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						59



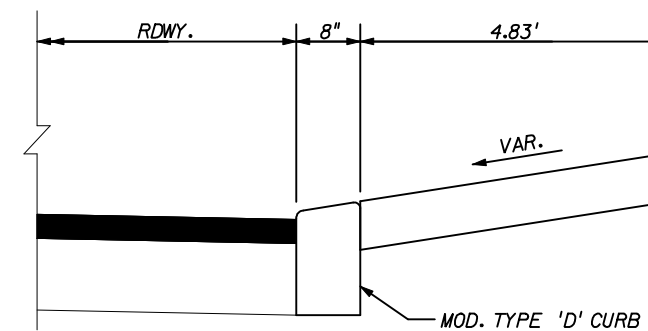
TYPE 3 URBAN FLARED TURNOUT DETAIL
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TYPE 4 URBAN FLARED TURNOUT - PLAN VIEW DETAIL
NTS

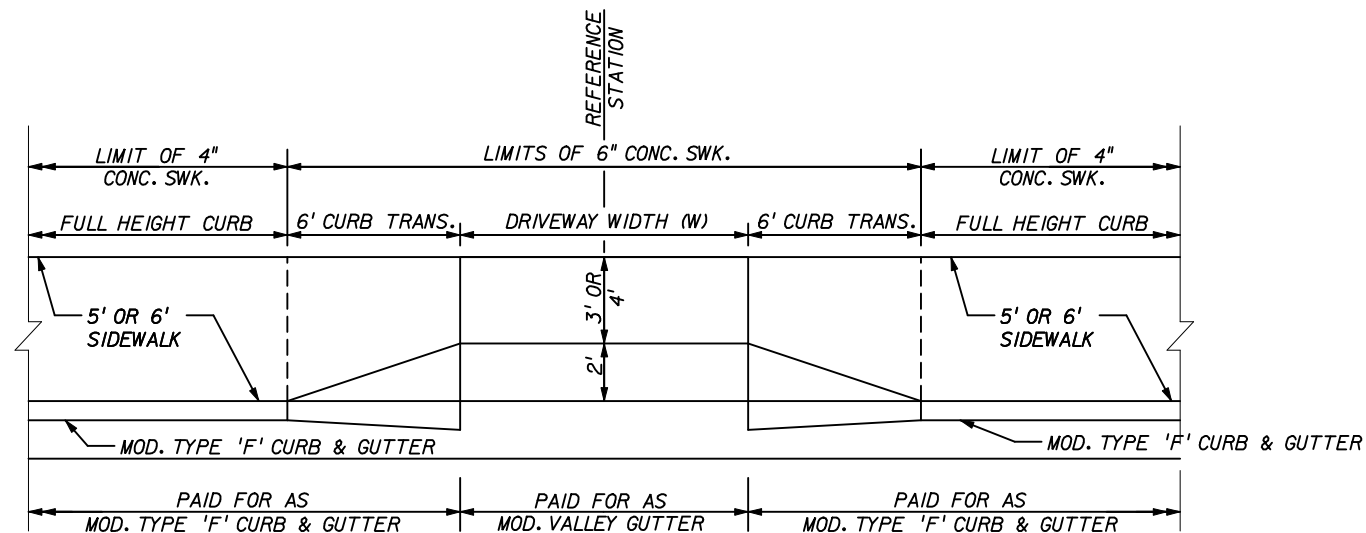


TYPE 3 URBAN FLARED TURNOUT - PROFILE DETAIL
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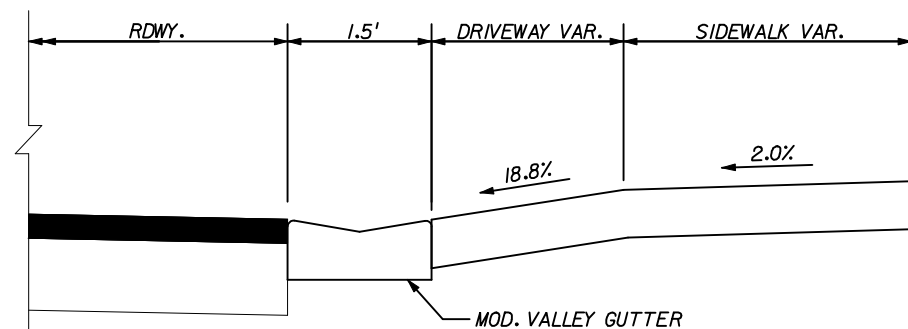


TYPE 4 URBAN FLARED TURNOUT - PROFILE DETAIL
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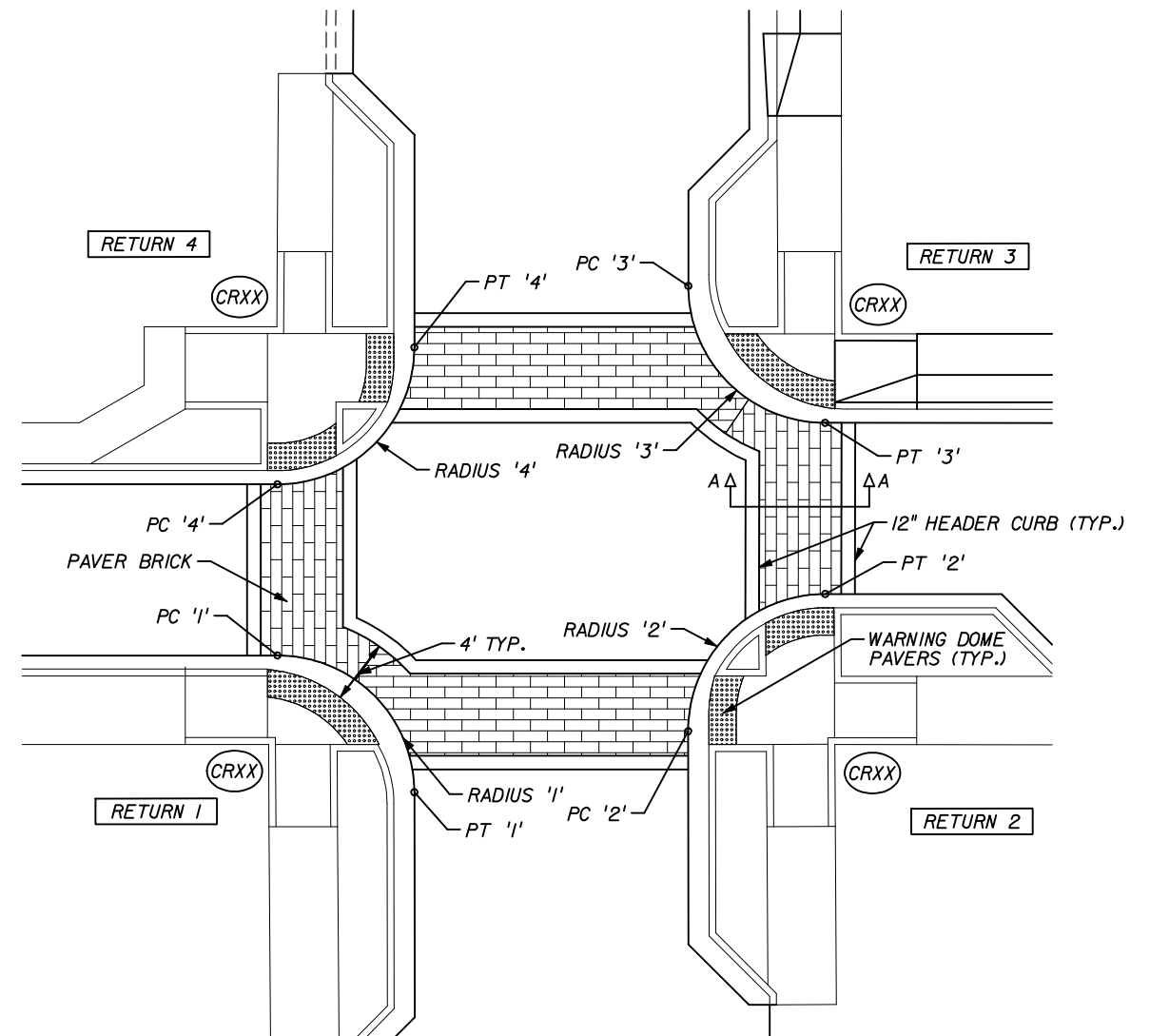
REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 601 2161 STREET, SUITE 300 VERO BEACH, FL 32960 (772) 562-7981 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	MISCELLANEOUS ROADWAY DETAIL SHEET	SHEET NO. 60
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				



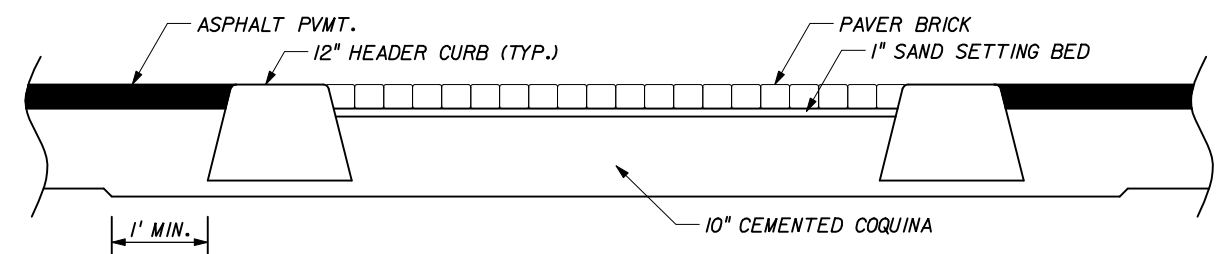
TYPE 5 URBAN FLARED TURNOUT - PLAN VIEW DETAIL
NTS



TYPE 5 URBAN FLARED TURNOUT - PROFILE DETAIL
NTS



TYPICAL INTERSECTION DETAIL
NTS



SECTION A-A PAVER DETAIL
NTS

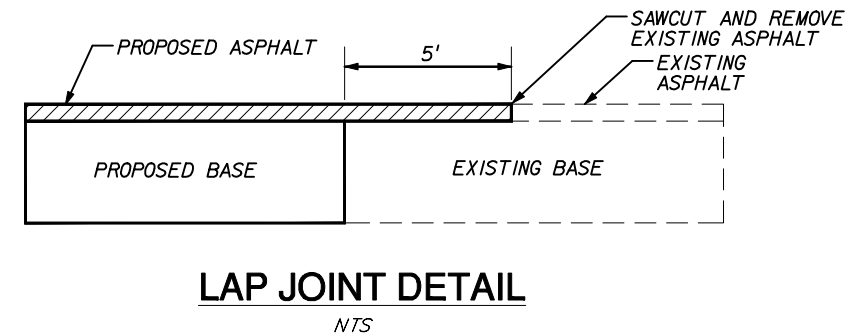
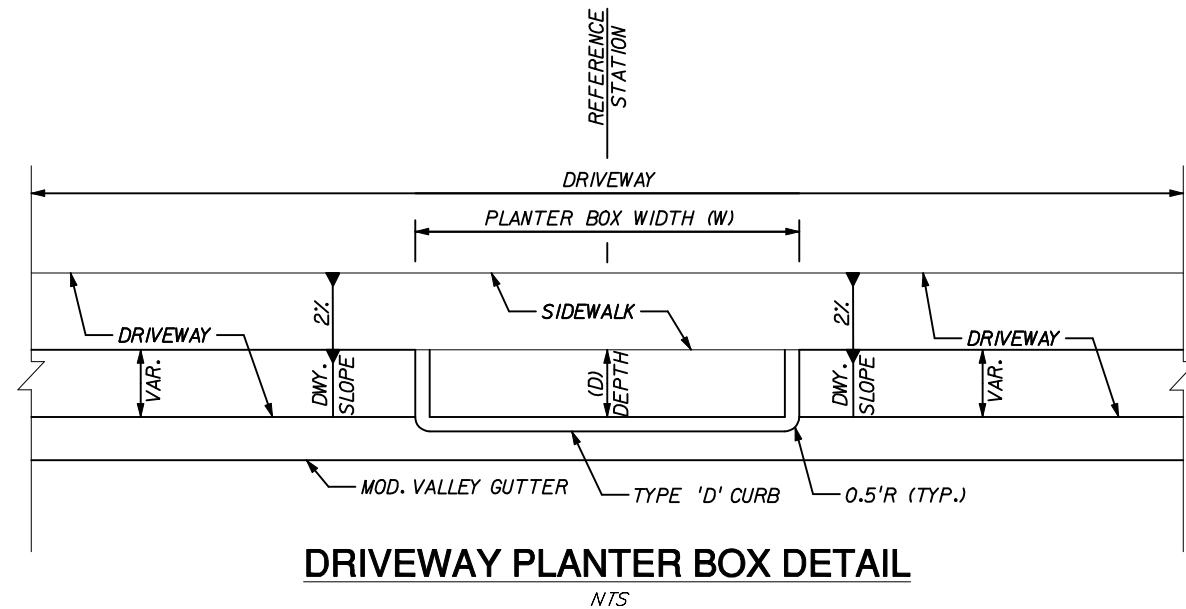
PAVER BRICK DESIGN

BALTIMORE BLOCK CLAY PAVER, 9"x3 $\frac{5}{8}$ "x3"
COLOR: HISTORIC BLEND
PATTERN: RUNNING BOND
SAND SETTING BED (1") (CONFORMING TO ASTM C33)
CEMENTED COQUINA LBR 100 (10")

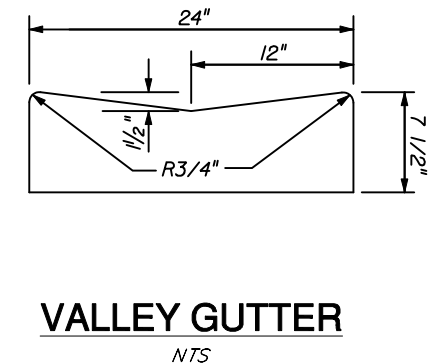
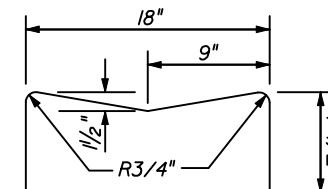
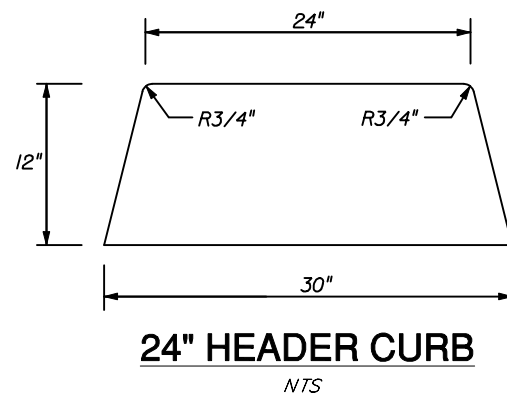
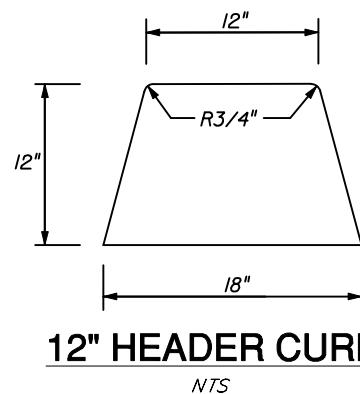
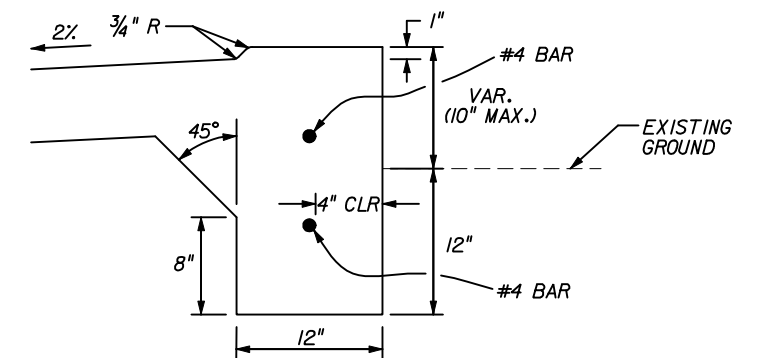
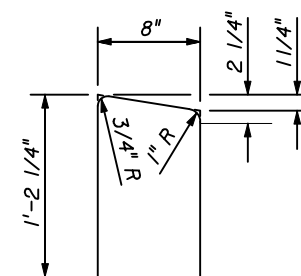
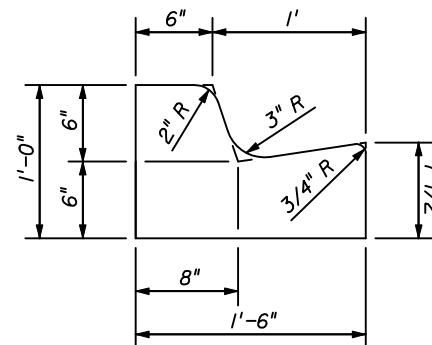
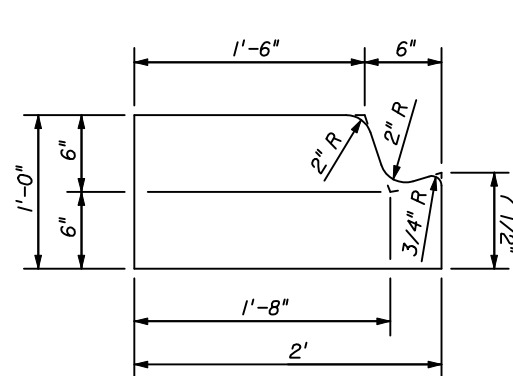
WARNING DOME PAVER DESIGN

ENDICOTT WARNING DOME PAVERS (402-729-3315),
2 $\frac{1}{4}$ "x4"x8", OR APPROVED EQUAL.
COLOR: RED BLEND ADA
PATTERN: RUNNING BOND LAY

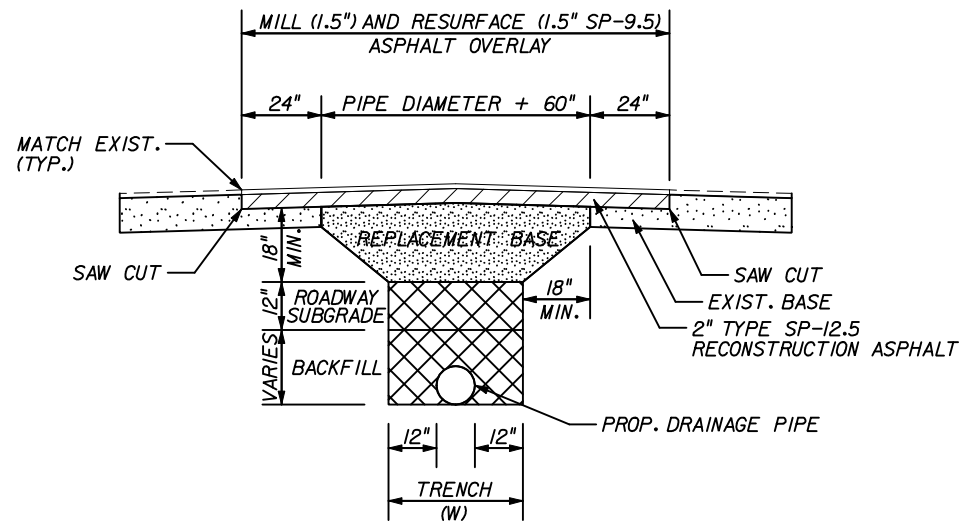
REVISIONS						 BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 601 2161 STREET, SUITE 300 VERO BEACH, FL 32960 (772) 562-7981 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	MISCELLANEOUS ROADWAY DETAIL SHEET	SHEET NO. 61
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				



NOTE:
COST OF CONSTRUCTING JOINT SHALL BE INCLUDED IN UNIT PRICE OF ASPHALTIC CONCRETE.



REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 601 2161 STREET, SUITE 300 VERO BEACH, FL 32960 (772) 562-7981 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	MISCELLANEOUS ROADWAY DETAIL SHEET	SHEET NO. 62
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

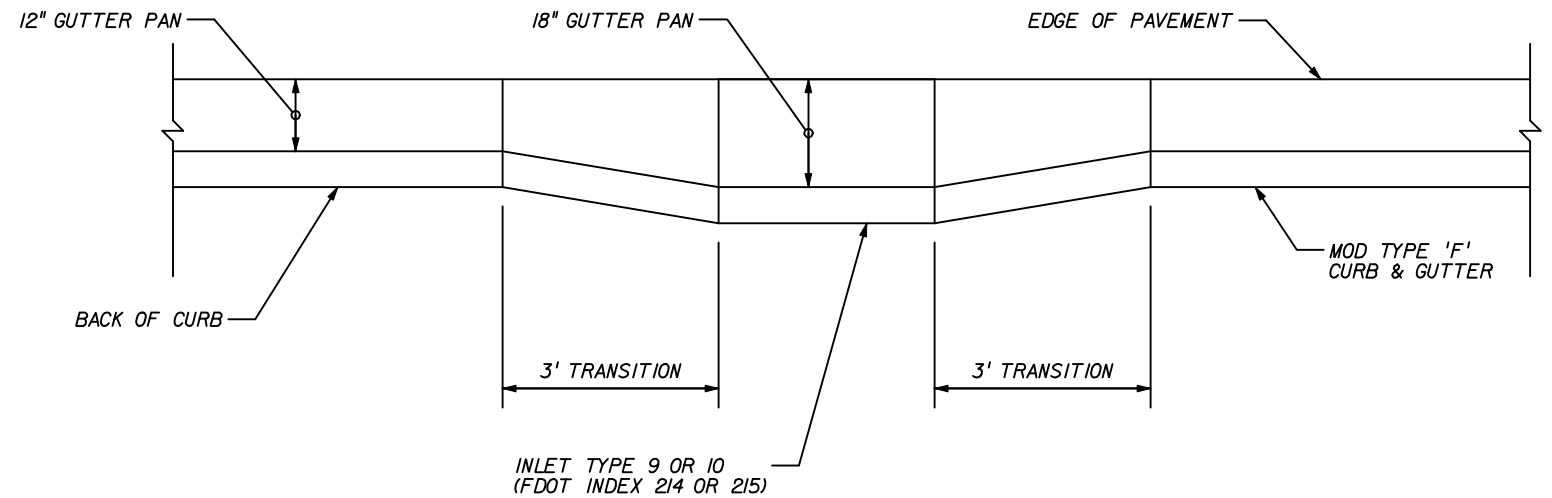


LIMEROCK SUBGRADE AND BACKFILL
6" LAYERS, COMPACTED THICKNESS

DENSITY REQUIREMENTS
98% UNDER ROADWAY
95% OUTSIDE TRAVEL ROADWAY
95% BENEATH SUBGRADE
METHOD AASHTO T-180

ROAD CUT RESTORATION CROSS SECTION

NTS

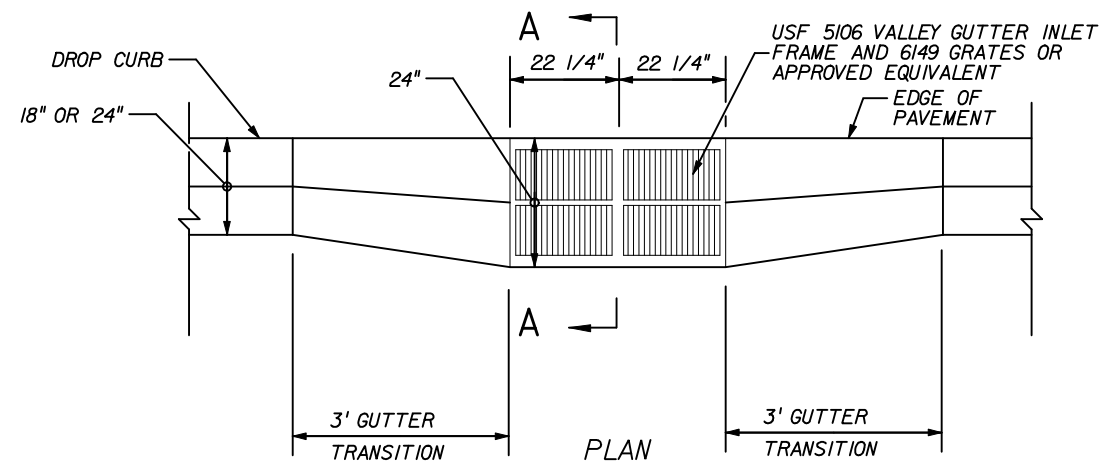


MODIFIED 'F' CURB AND GUTTER INLET TRANSITION

NTS

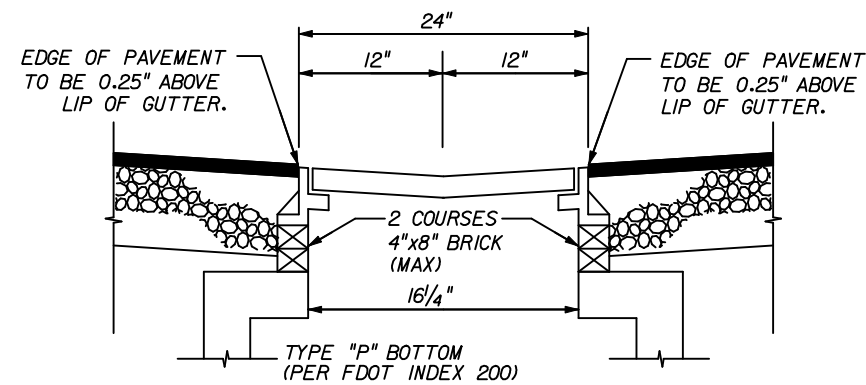
NOTES:

1. GRATE SHALL BE ORIENTED WITH VANES DIRECTED TOWARD PREDOMINANT FLOW



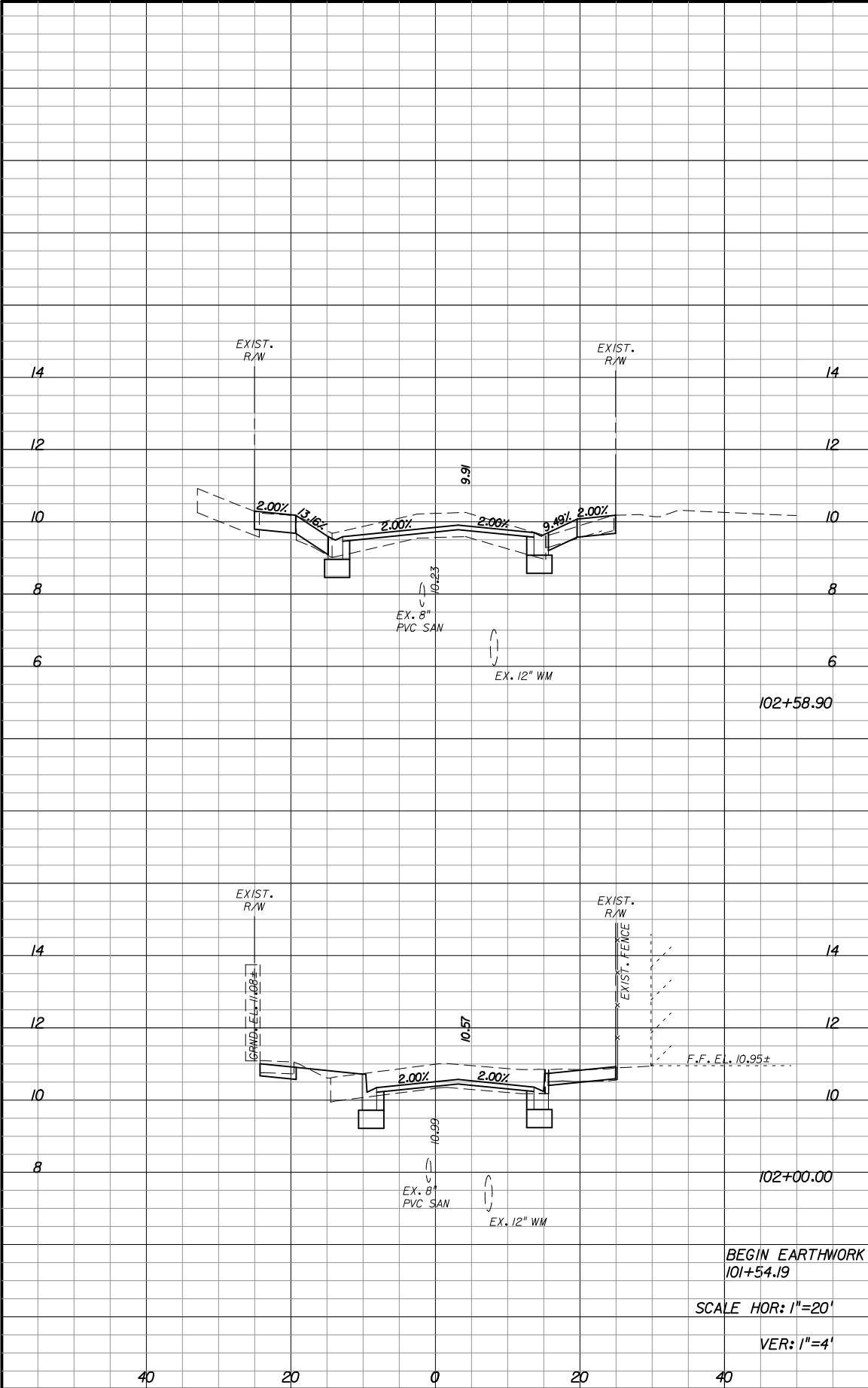
VALLEY GUTTER INLET DETAIL

NTS

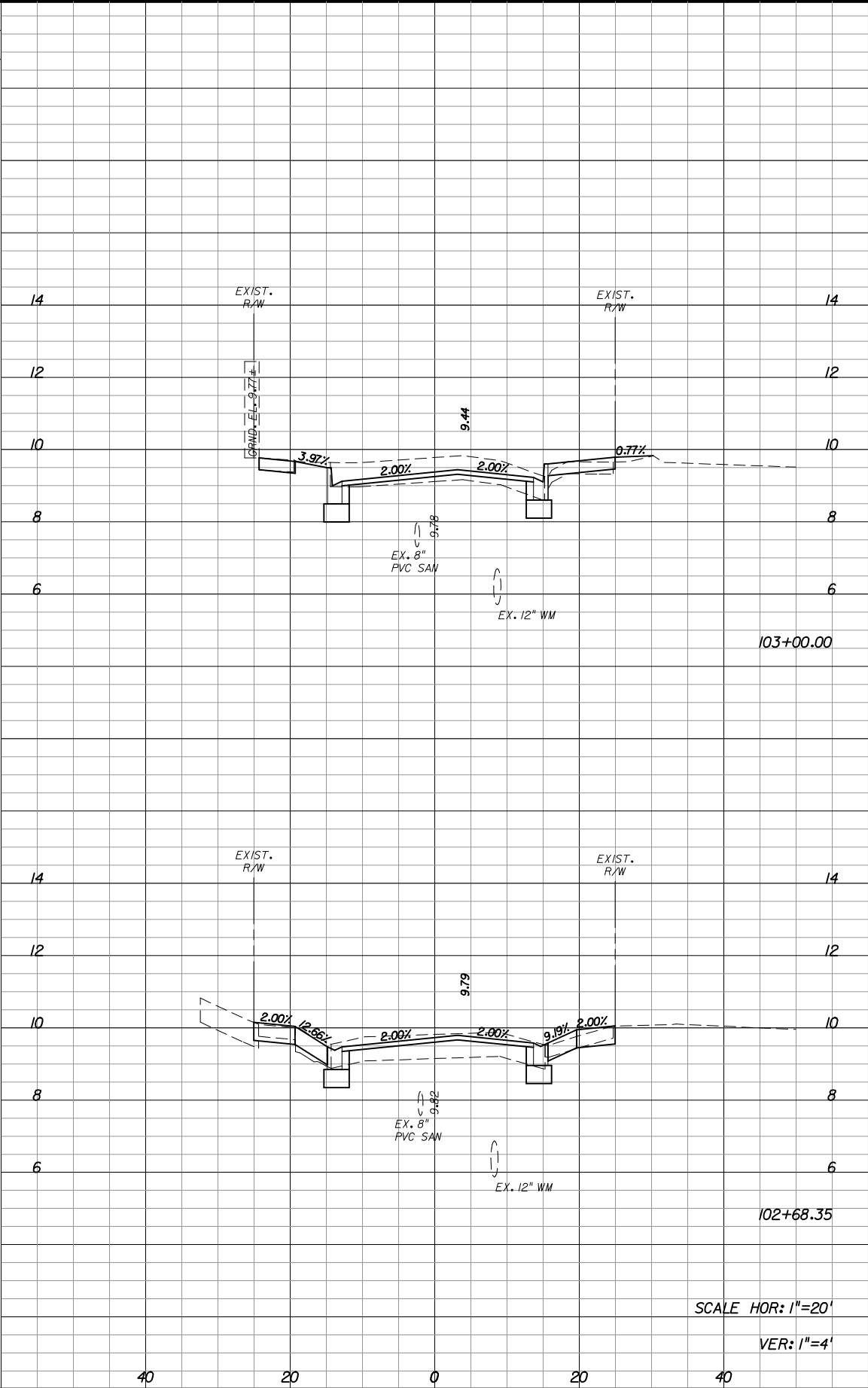


SECTION A-A

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 601 2161 STREET, SUITE 300 VERO BEACH, FL 32960 (772) 562-7981 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	MISCELLANEOUS ROADWAY DETAIL SHEET	SHEET NO. 63
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				



Regular		Exc.	Embankment	
A	V	A	V	
16.6	35.1	0.0	0.9	
15.7	26.6	0.8	1.4	
15.7	0.0	0.0	0.0	



Regular		Exc.	Embankment	
A	V	A	V	
13.5	17.4	0.5	0.3	
16.4	6.0	0.0	0.0	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

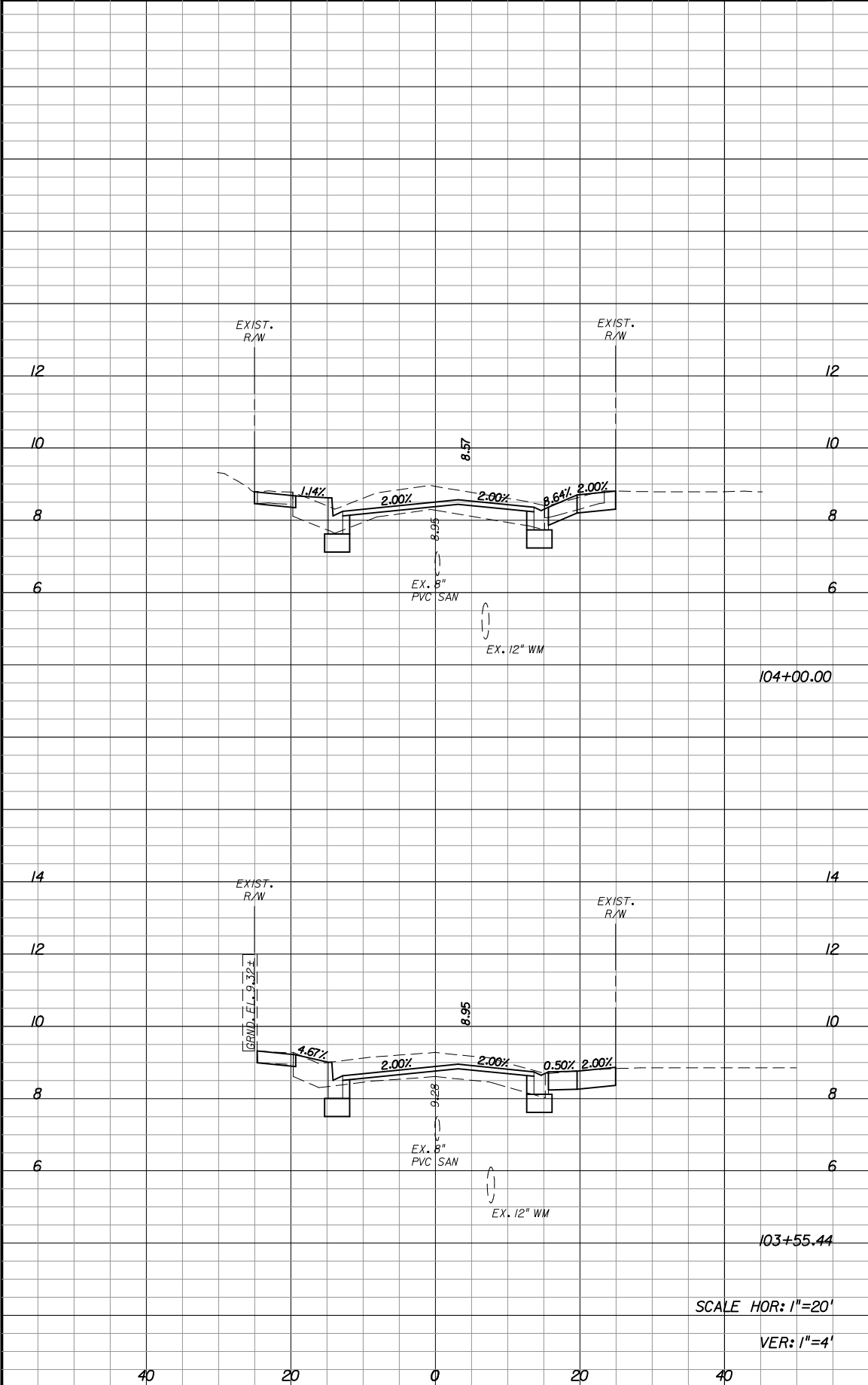


**Kimley-Horn
and Associates, Inc.**
BRIAN A. GOOD, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
CERTIFICATE OF AUTHORIZATION# 00000696

**CITY OF KEY WEST
FLORIDA**
**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

**SOUTHARD STREET
CROSS SECTIONS**

**SHEET
NO.**
64

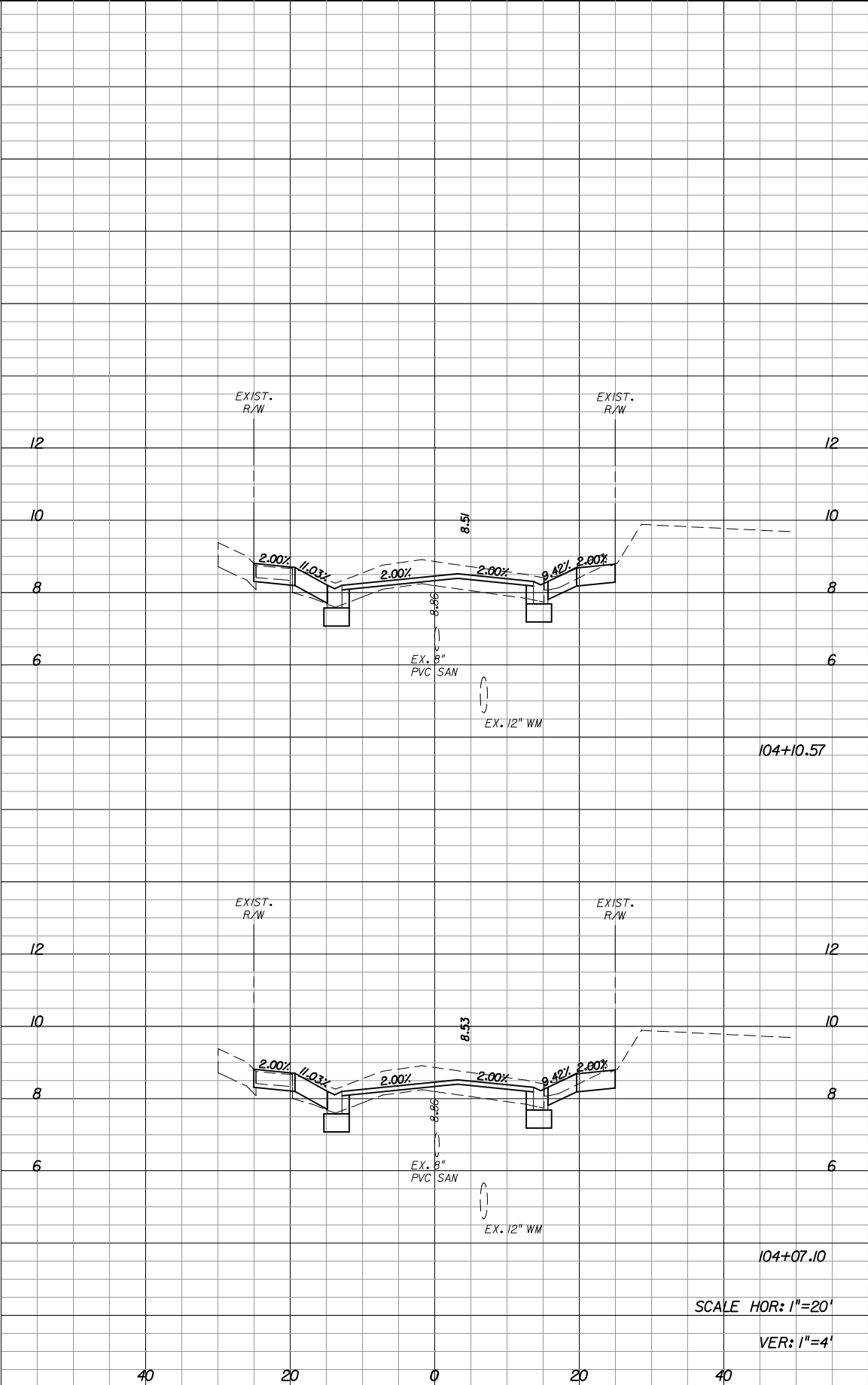


Regular		Exc.	Embankment	
A	V		A	V
14.8	24.1	0.4	1.1	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



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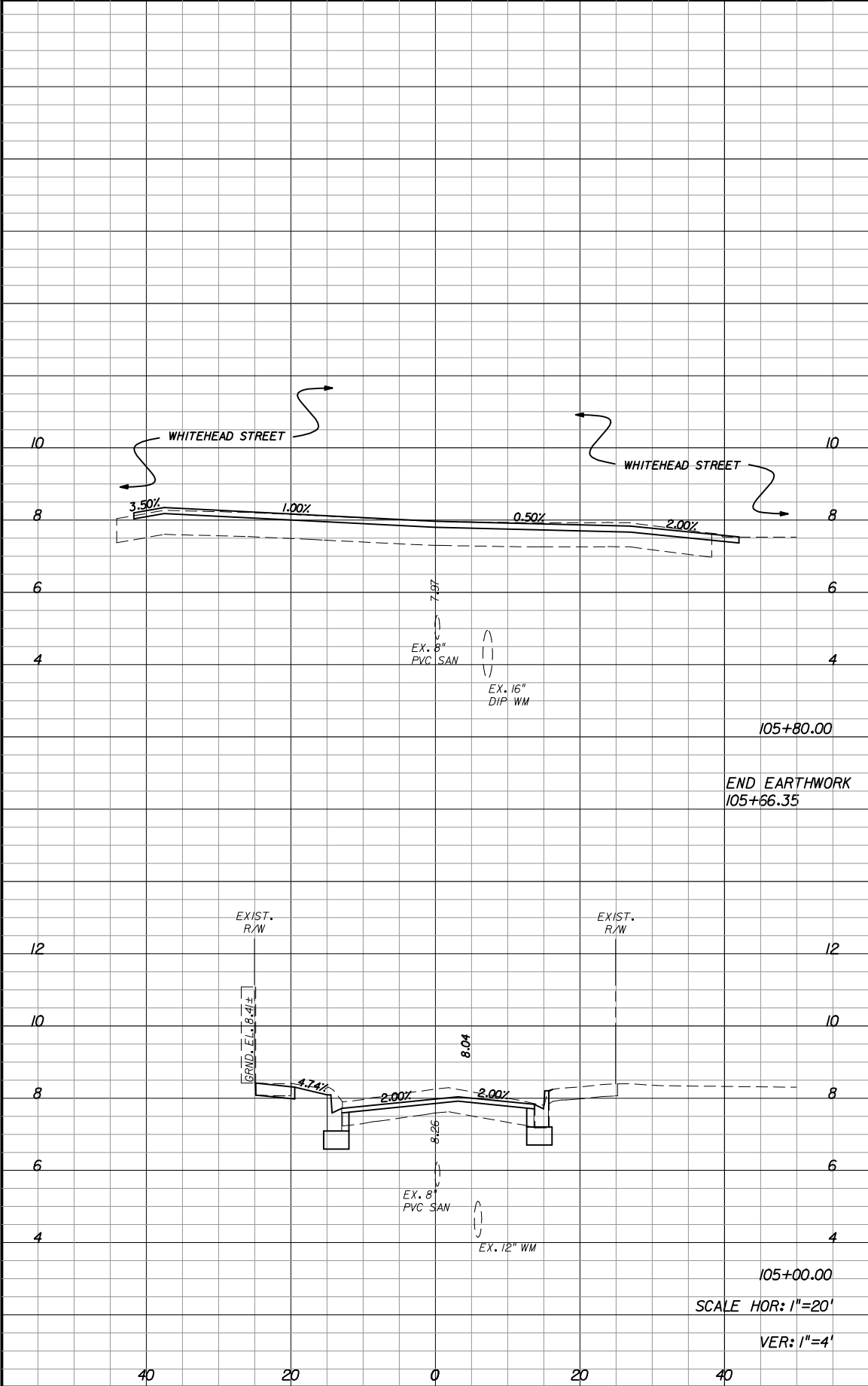


Regular		Exc.	Embankment	
A	V		A	V
18.7	2.4	0.0	0.0	
18.7	4.4	0.0	0.1	

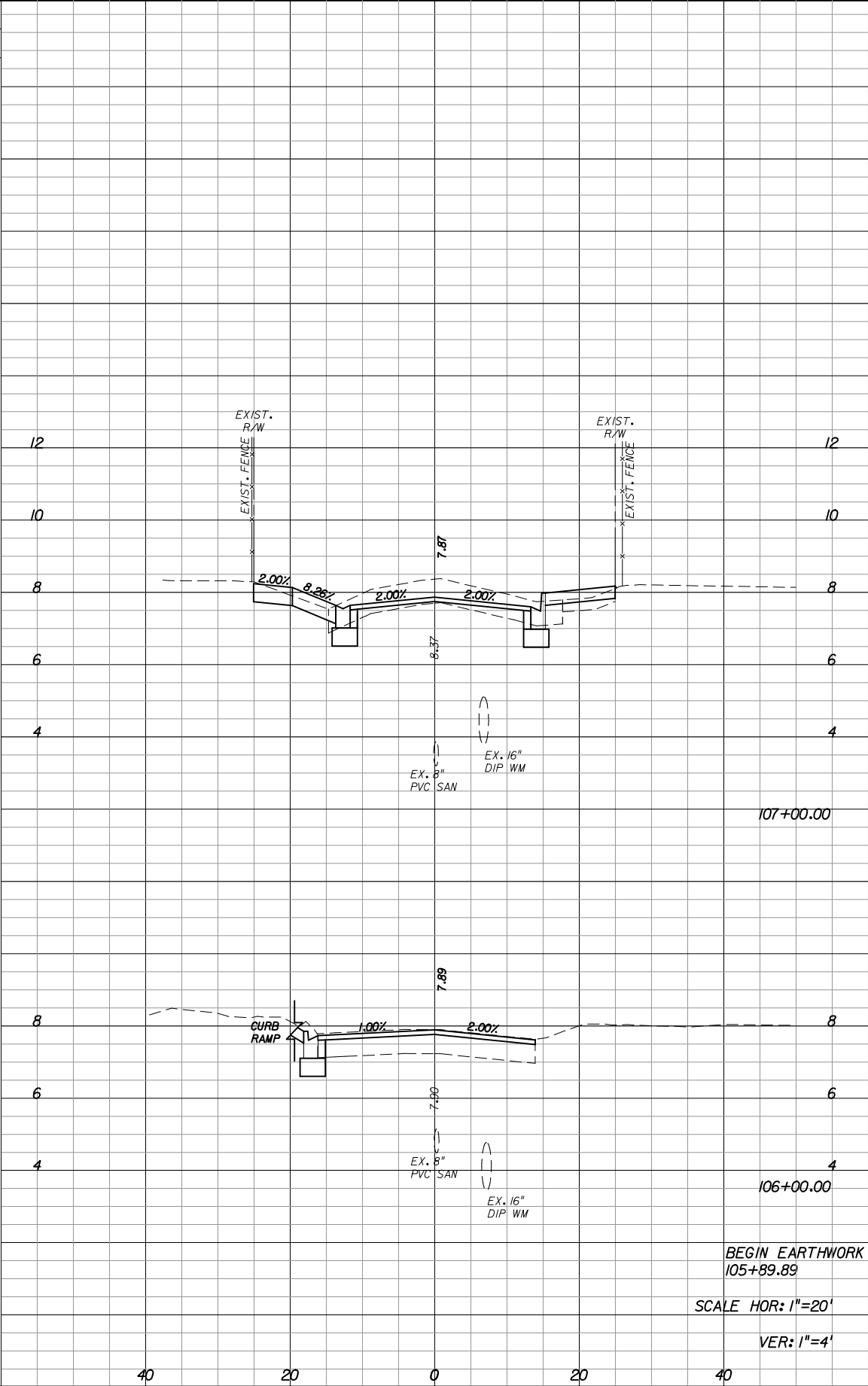
**CITY OF KEY WEST
FLORIDA**
**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

**SOUTHARD STREET
CROSS SECTIONS**

SHEET NO.
65



Regular		Exc.	Embankment	
A	V	A	V	
11.1	27.3	0.0	0.0	
11.1	49.4	0.0	0.0	



Regular		Exc.	Embankment	
A	V	A	V	
13.4	42.6	0.0	0.0	
9.6	3.6	0.0	0.0	
9.6	0.0	0.0	0.0	

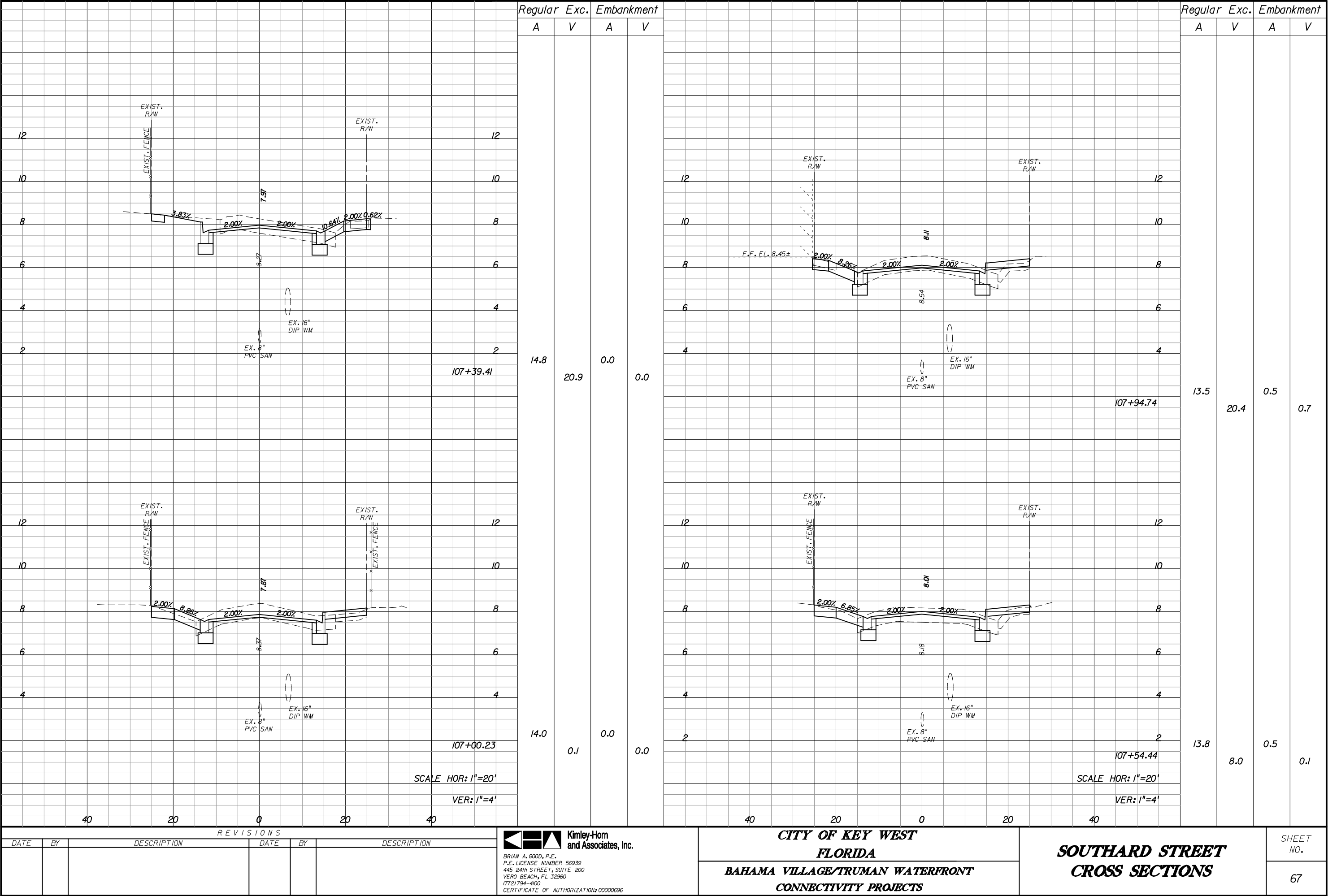
REVISIONS							
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

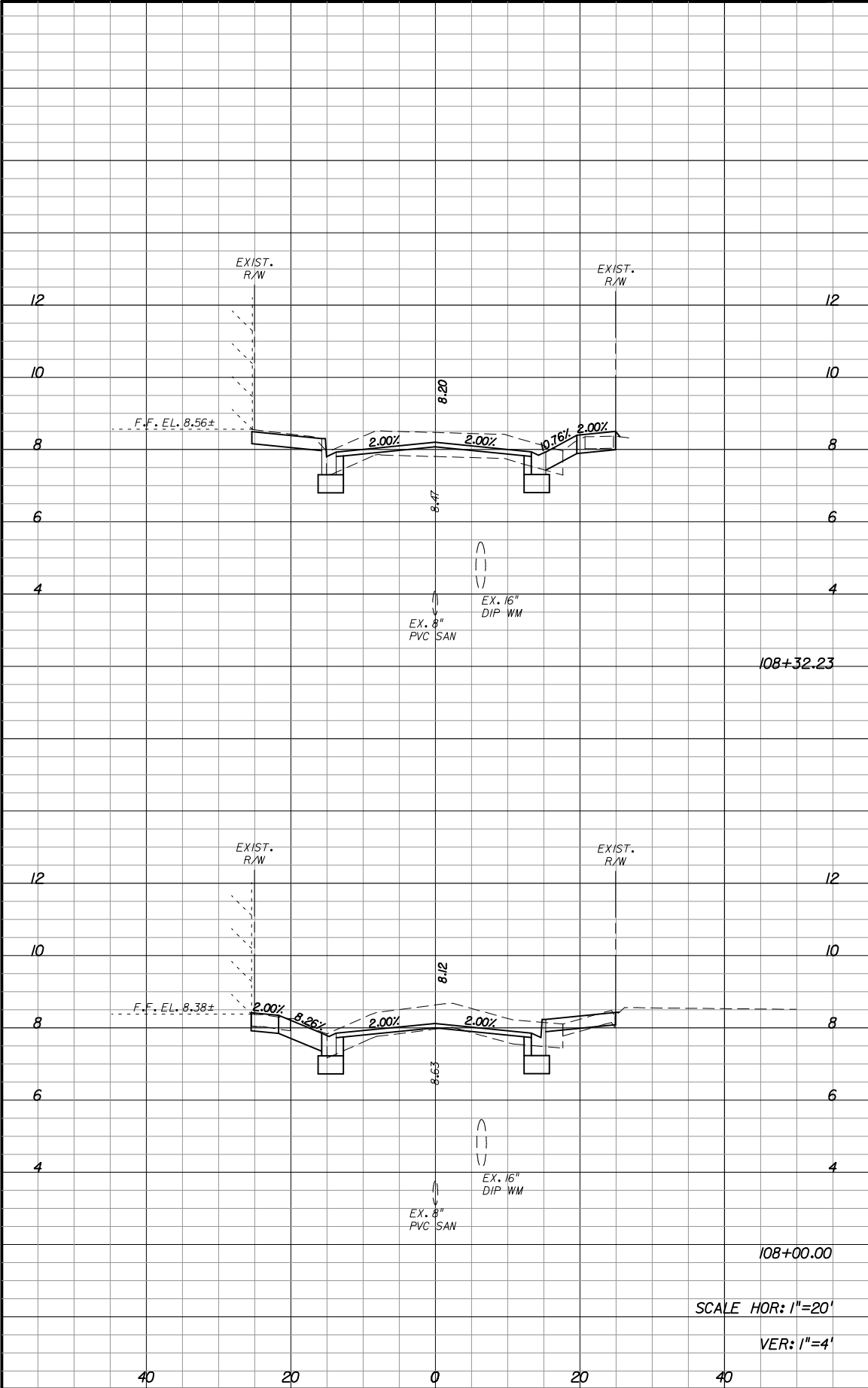
**Kimley-Horn
and Associates, Inc.**
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**CITY OF KEY WEST
FLORIDA**
**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

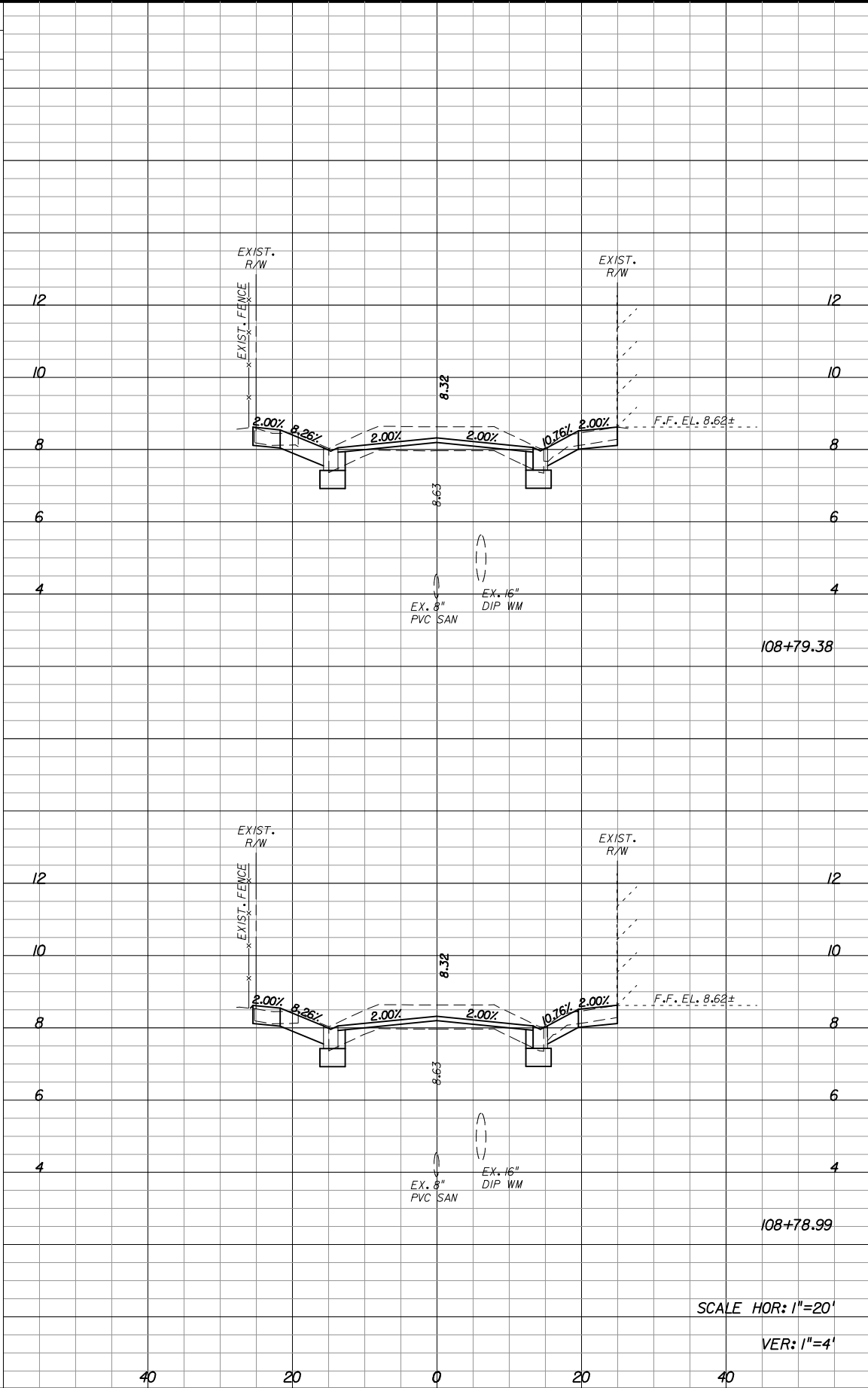
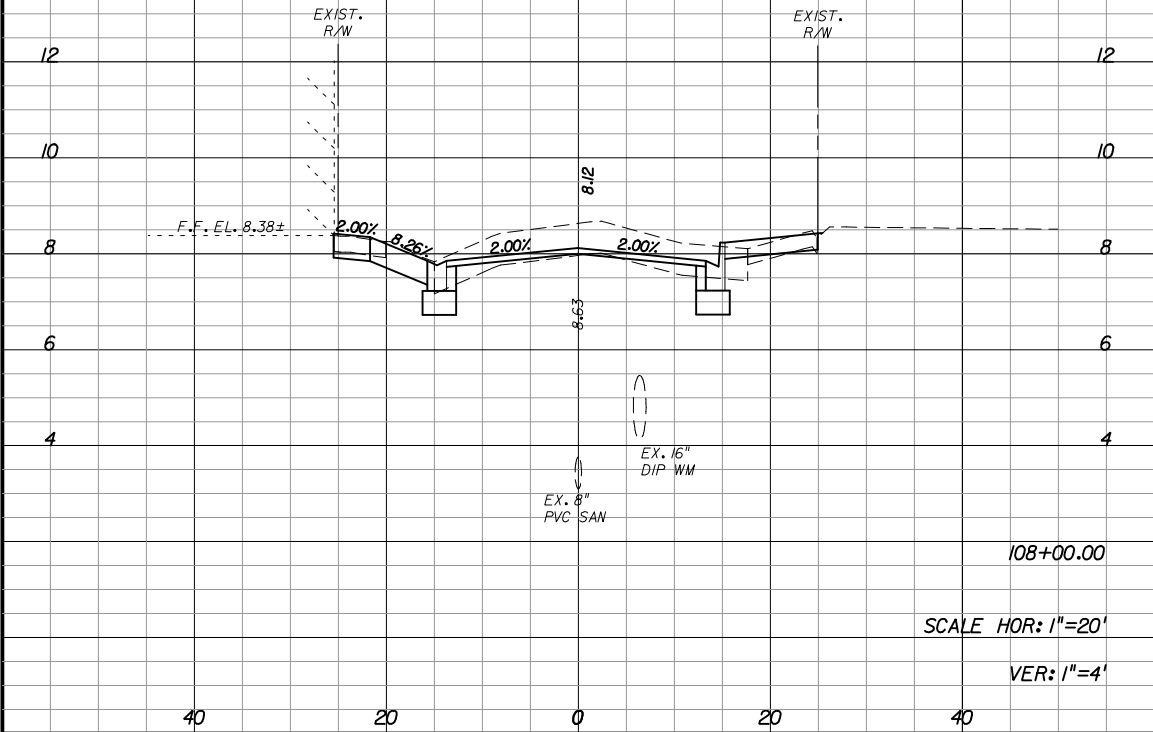
**SOUTHARD STREET
CROSS SECTIONS**

**SHEET
NO.**
66





Regular		Exc.	Embankment	
A	V	A	V	
15.7	18.9	0.0	0.0	



Regular		Exc.	Embankment	
A	V	A	V	
17.5	0.3	0.0	0.0	

Regular		Exc.	Embankment	
A	V	A	V	
17.3	28.6	0.0	0.0	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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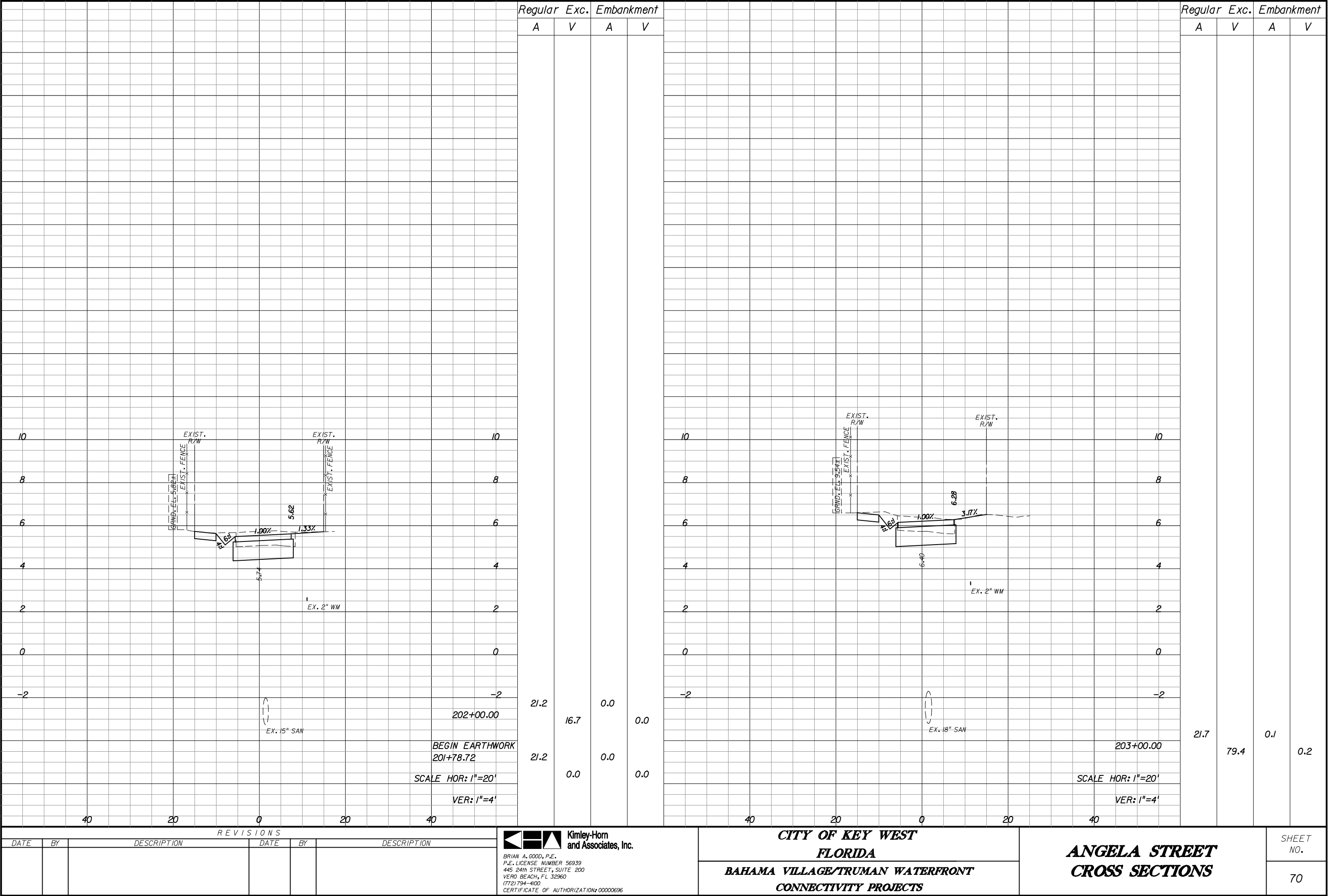
**CITY OF KEY WEST
FLORIDA**
**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

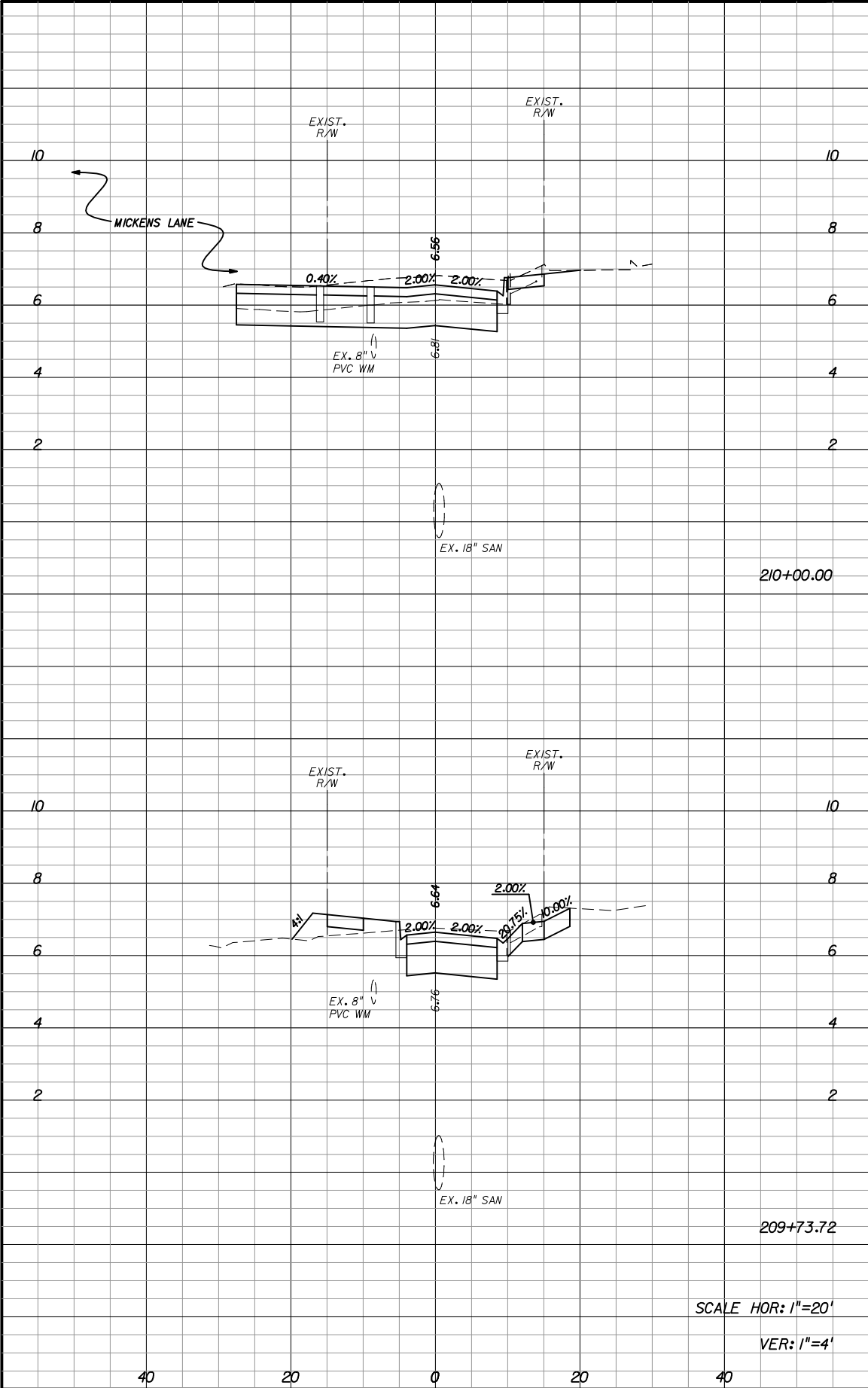
**SOUTHARD STREET
CROSS SECTIONS**

SHEET
NO.

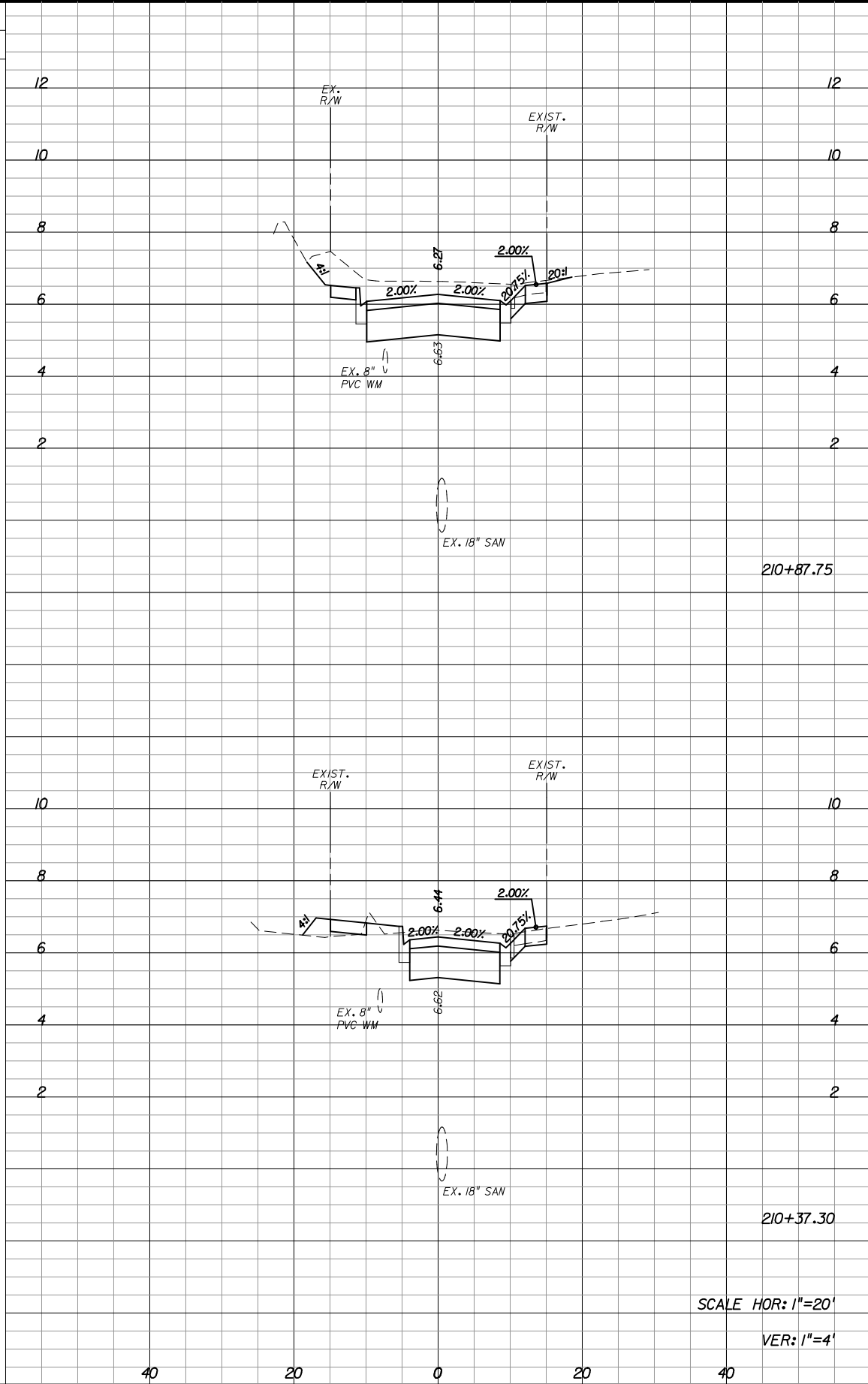
68

[illegible]





Regular		Exc.	Embankment	
A	V	A	V	
49.4	35.0	0.0	2.2	



Regular		Exc.	Embankment	
A	V	A	V	
40.7	58.0	0.0	2.1	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

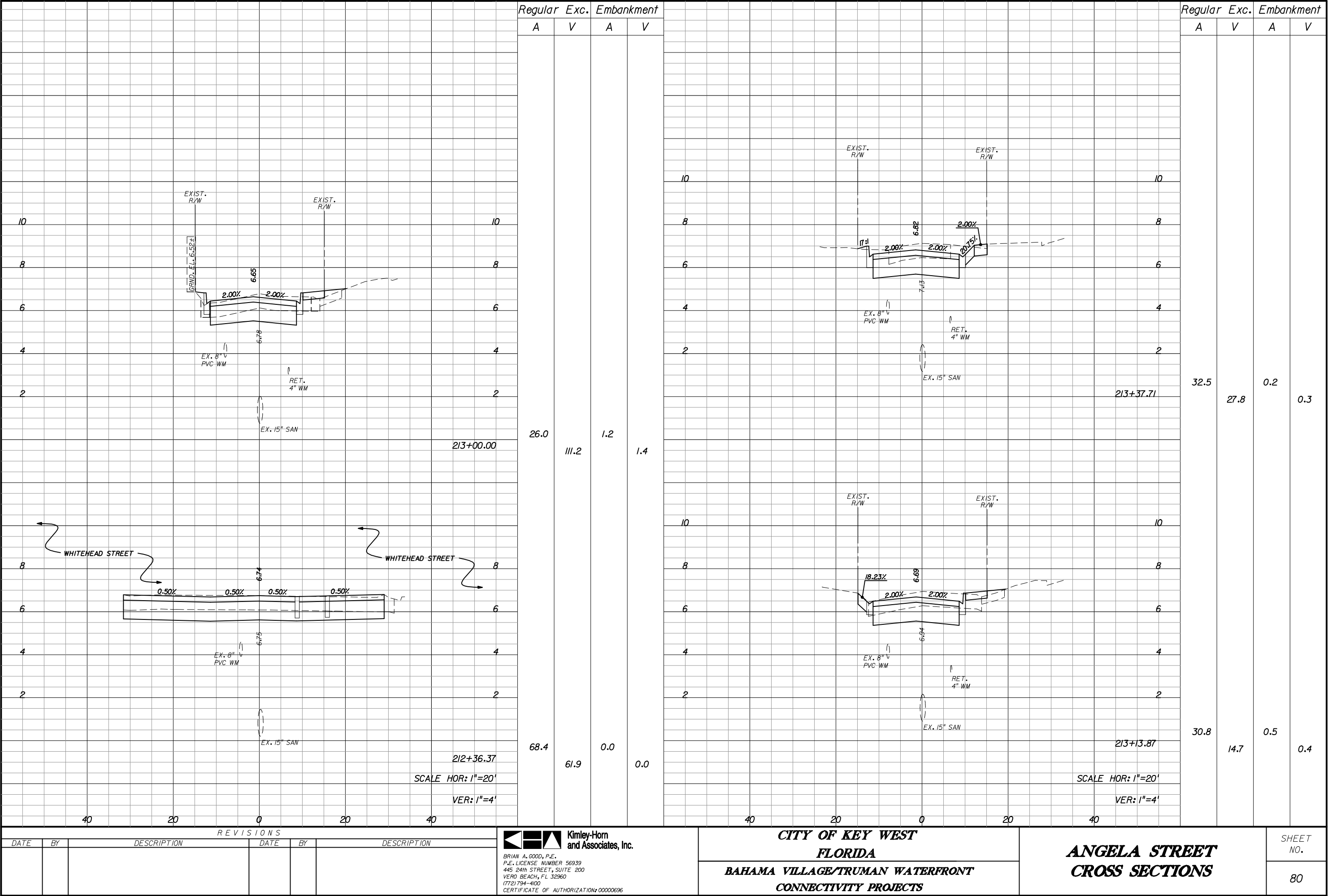


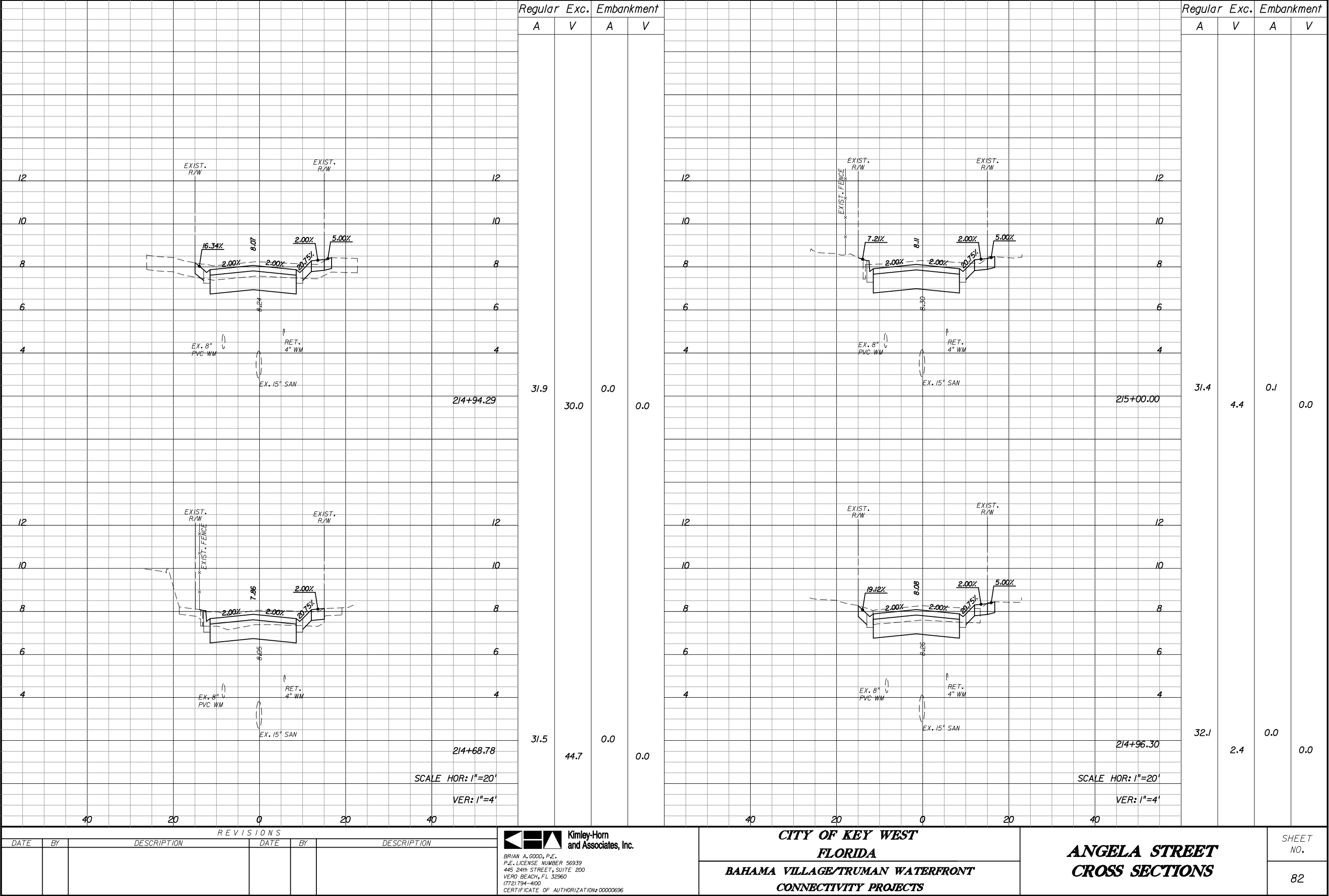
**Kimley-Horn
and Associates, Inc.**
BRIAN A. GOOD, P.E.
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445 24th STREET, SUITE 200
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(772) 794-4100
CERTIFICATE OF AUTHORIZATION# 00000696

**CITY OF KEY WEST
FLORIDA**
**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

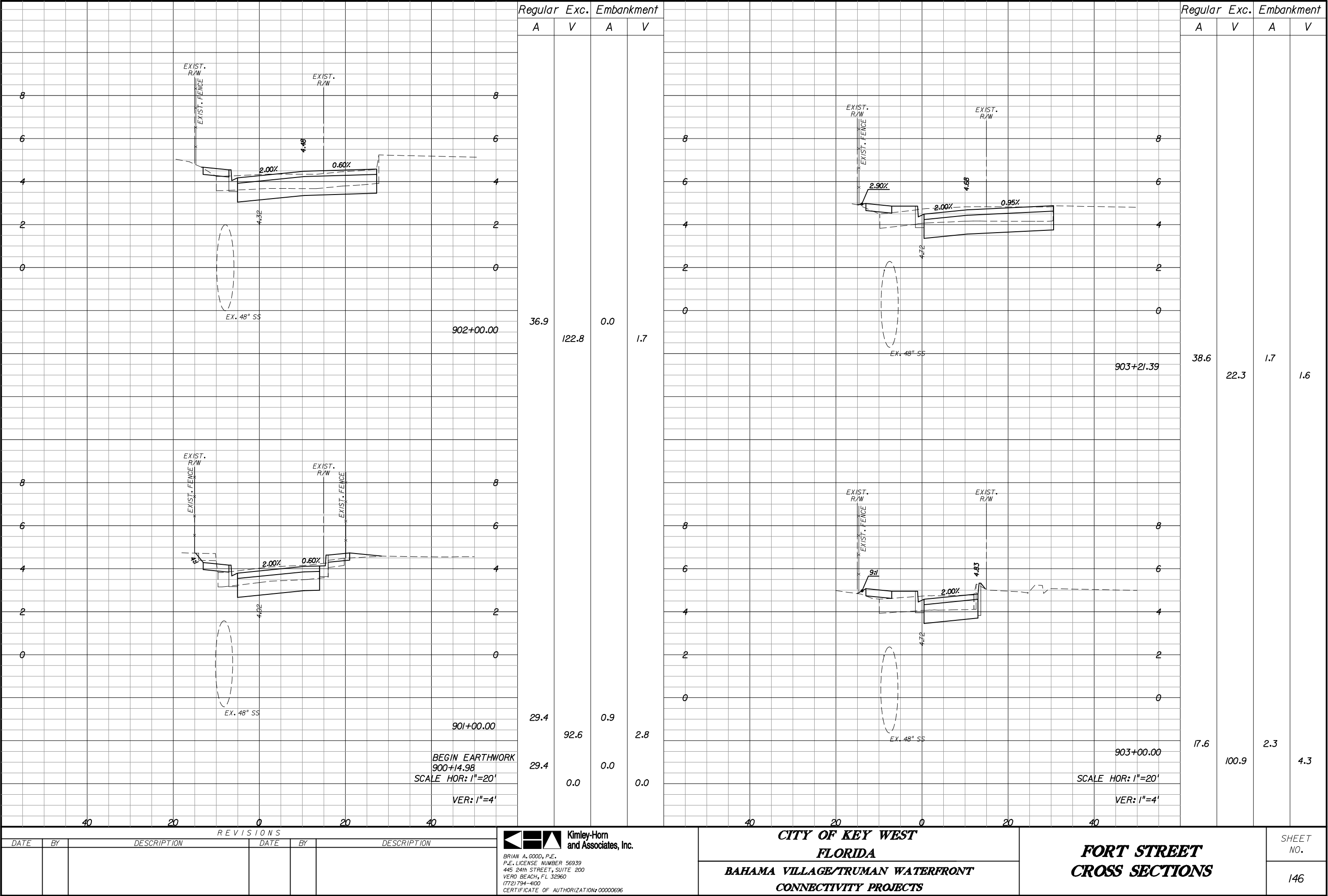
**ANGELA STREET
CROSS SECTIONS**

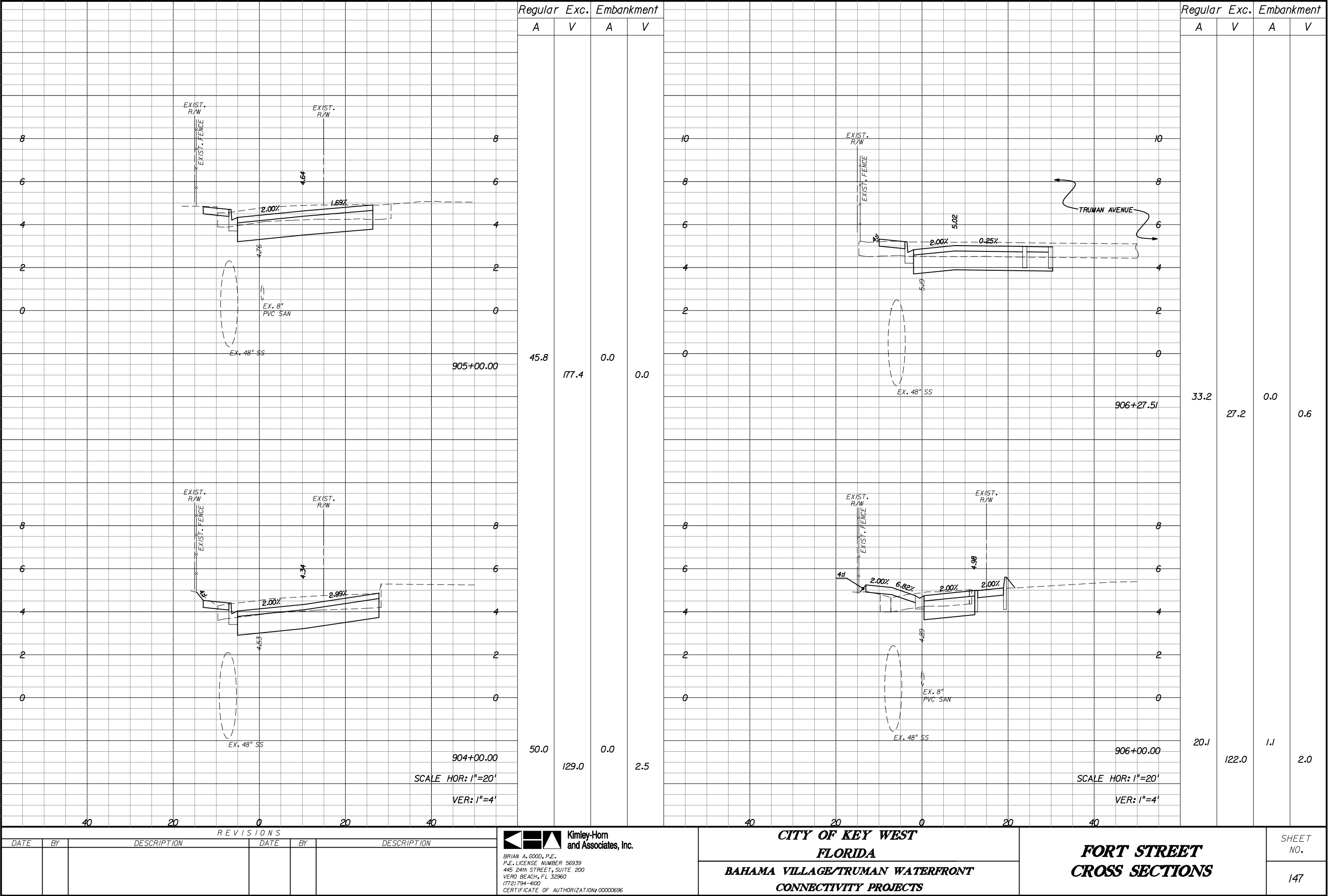
**SHEET
NO.**
78

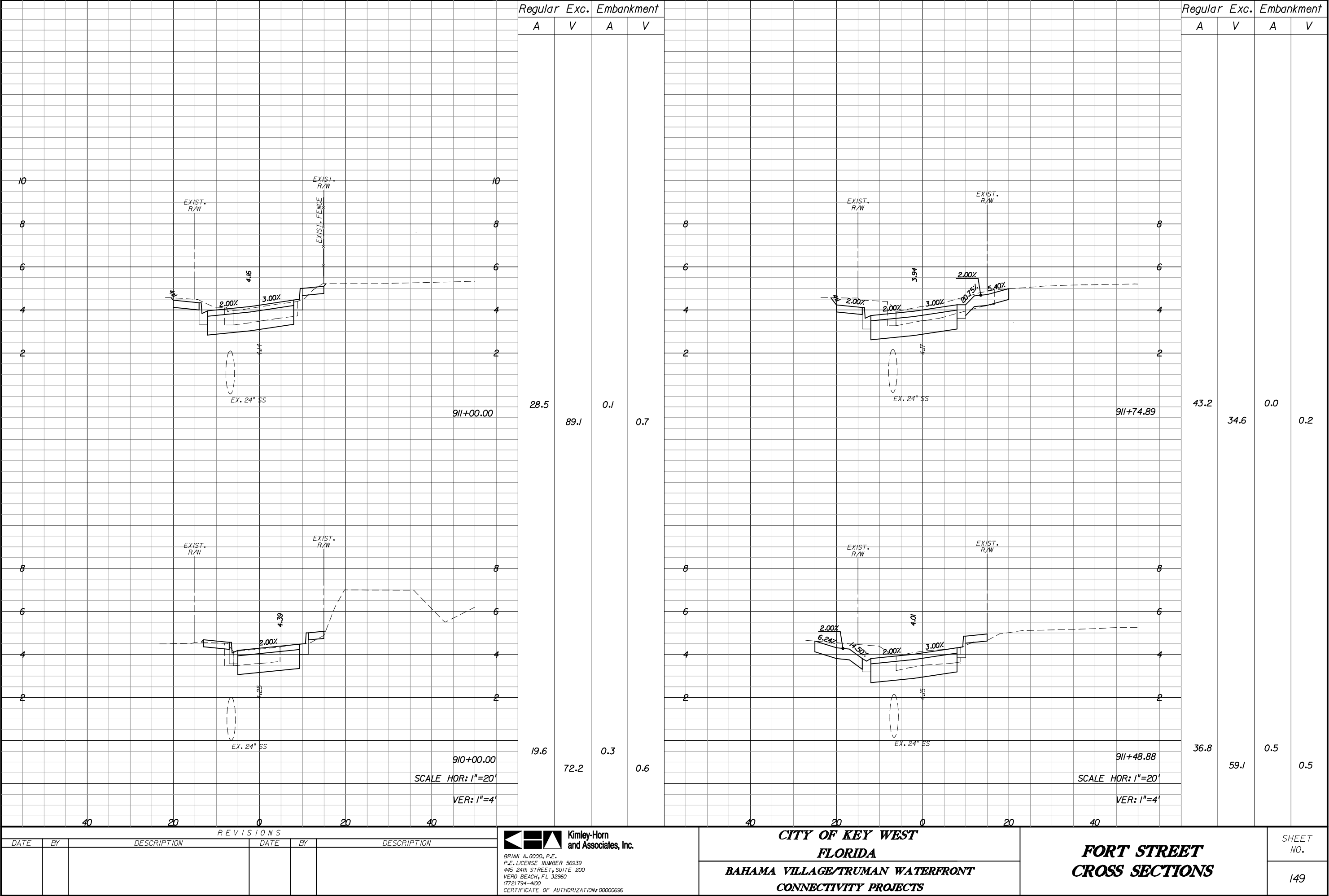


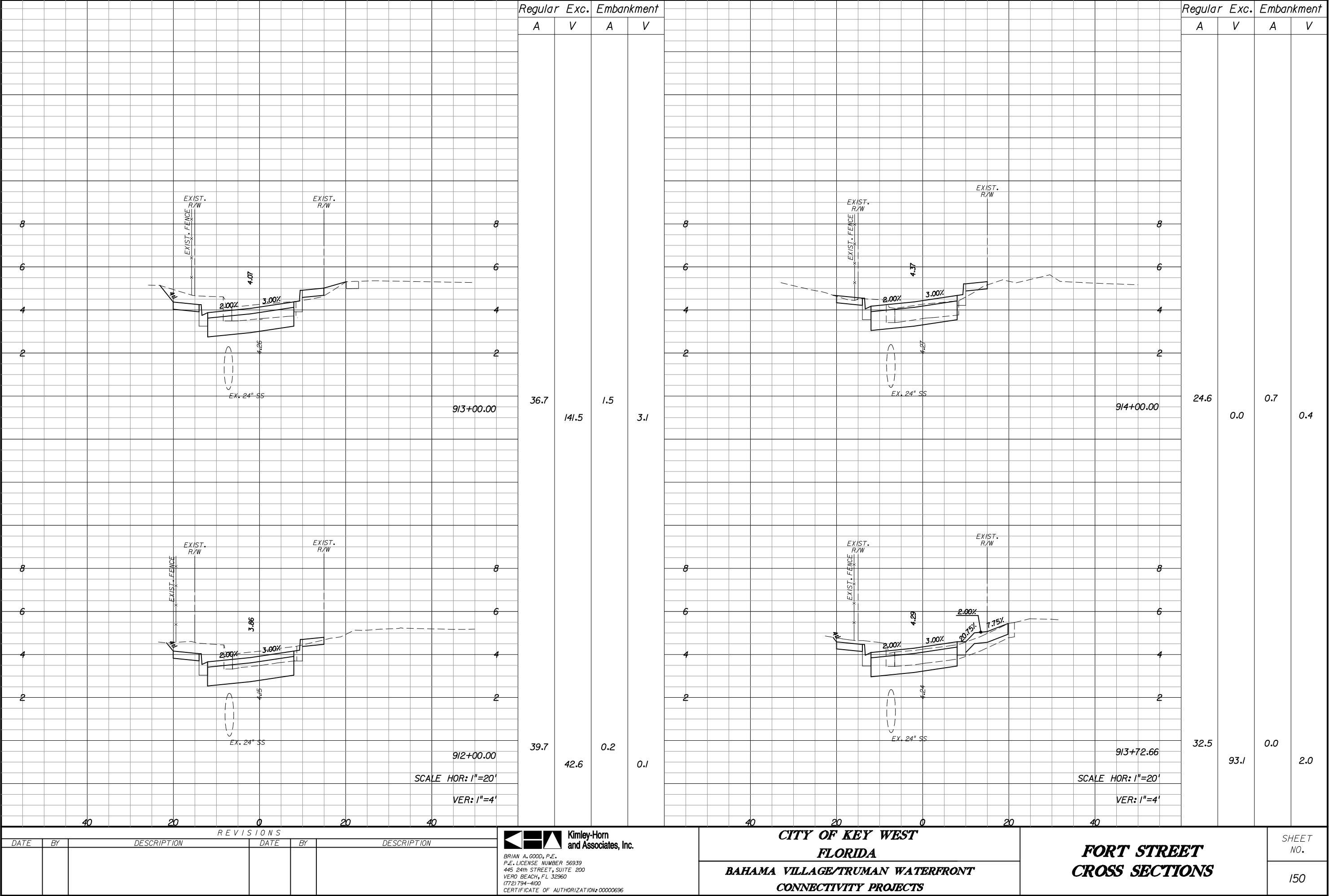


										Regular		Exc.		Embankment												Regular		Exc.		Embankment																	
										A	V	A	V											A	V	A	V											A	V	A	V						
												</																																			









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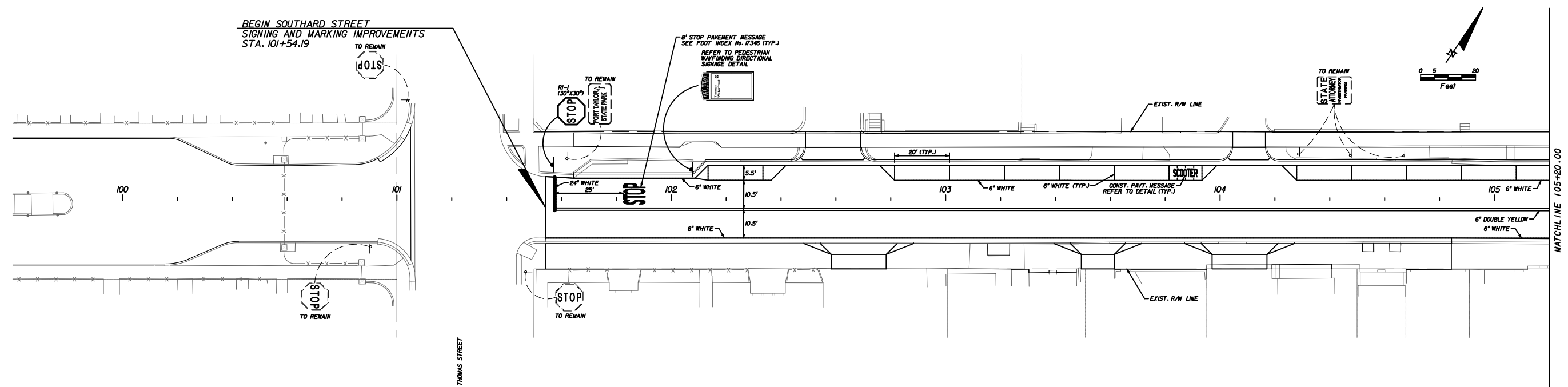
TABULATION OF QUANTITIES - SOUTHARD STREET																											
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																						TOTAL		REF. SHEET
			SOUTH 1		SOUTH 2																						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-20-11	SINGLE POST SIGN (FURNISH & INSTALL) (LESS THAN 12 SF)																										
	FTP-21-06 (12"X18")	AS																									
	FTP-22-06 (12"X6")	AS																									
	OM-3L (12"X30")	AS																									
	R1-1 (30"X30")	AS	1																					1			
	R1-2 (36"X36"X36")	AS																									
	R3-5R (36"X36")	AS																									
	R3-5L (36"X36")	AS																									
	R3-7L (30"X30")	AS			1																			1			
	R5-1 (30"X30")	AS			2																			2			
	R6-1R (30"X12")	AS			2																			2			
	R6-1L (30"X12")	AS			2																			2			
	R6-6 (24"X30")	AS																									
	R6-7 (24"X30")	AS			2																			2			
	W1-1R (30"X30")	AS																									
	W1-6R (48"X24")	AS																									
	W6-3 (36"X36")	AS			2																			2			
	W16-9P (24"X12")	AS			2																			2			
	COMMERCIAL DELIVERY ZONE (18"X24") (18"X6")	AS			1																			1			
	PAY PARKING #1 (18"X24")	AS			1																			1			
	PAY PARKING #2 (18"X24") (18"X6")	AS			4																			4			
	PAY PARKING #3 (18"X24")	AS			2																			2			
700-20-11A	BUS STOP WAYFINDING	AS																									
700-20-11B	PEDESTRIAN WAYFINDING	AS	1																					1			
700-20-11C	VEHICULAR WAYFINDING (SINGLE POST)	AS			1																			1			
711-11-121	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (6")	LF	766		1172																			1,938			
711-11-123	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (12")	LF			217																			217			
711-11-124	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (18")	LF																									
711-11-125	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (24")	LF	12		48																			60			
711-11-141	TRAFFIC STRIPE SKIP (2'-4') (THERMOPLASTIC) (WHITE) (6")	LF																									
711-11-141	TRAFFIC STRIPE SKIP (6'-10') (THERMOPLASTIC) (WHITE) (6")	LF			48																			48			
711-11-160	PAVEMENT MESSAGE (THERMOPLASTIC) (WHITE)																										
	3' HANDICAP SYMBOL	EA																									
	'COMMERCIAL DELIVERY ZONE' PAVEMENT MESSAGE	EA			1																			1			
	'RESIDENTIAL PERMIT PARKING ONLY' PAVEMENT MESSAGE	EA			3																			3			
	'SCOOTER' PAVEMENT MESSAGE (STANDARD)	EA	1																					1			
	'SCOOTER' PAVEMENT MESSAGE (COMPACT)	EA			2																			2			
	'STOP' PAVEMENT MESSAGE	EA	1																					1			
	'YIELD' PAVEMENT MESSAGE	EA																									
711-11-170	DIRECTIONAL ARROW (THERMOPLASTIC)	EA			2																			2			
711-11-180	YIELD LINE (THERMOPLASTIC) (WHITE)	LF																									
711-11-221	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (YELLOW) (6")	LF	726		94																			820			
711-11-421	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (BLUE) (6")	LF																									
711-99-999	PAY PARKING STATION (INSTALL)	EA			2																			2			

TABULATION OF QUANTITIES - ANGELA STREET																										
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL		REF. SHEET	
			ANG 1		ANG 2		ANG 3														PLAN					FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL													PLAN	FINAL	PLAN	FINAL		
700-20-11	SINGLE POST SIGN (FURNISH & INSTALL) (LESS THAN 12 SF)																									
	FTP-21-06 (12"X18")	AS																								
	FTP-22-06 (12"X6")	AS																								
	OM-3L (12"X30")	AS																								
	R1-1 (30"X30")	AS	2		4		5																11			
	R1-2 (36"X36"X36")	AS																								
	R3-5R (36"X36")	AS	1																				1			
	R3-5L (36"X36")	AS			1																		1			
	R3-7L (30"X30")	AS																								
	R5-1 (30"X30")	AS			1		2																3			
	R6-1R (30"X12")	AS	2		1		1																4			
	R6-1L (30"X12")	AS			3		1																4			
	R6-6 (24"X30")	AS																								
	R6-7 (24"X30")	AS					2																2			
	W1-1R (30"X30")	AS																								
	W1-6R (48"X24")	AS																								
	W6-3 (36"X36")	AS			2																		2			
	W16-9P (24"X12")	AS			2																		2			
	COMMERCIAL DELIVERY ZONE (18"X24") (18"X6")	AS																								
	PAY PARKING #1 (18"X24")	AS																								
	PAY PARKING #2 (18"X24") (18"X6")	AS																								
	PAY PARKING #3 (18"X24")	AS																								
700-20-11A	BUS STOP WAYFINDING	AS	1				1																2			
700-20-11B	PEDESTRIAN WAYFINDING	AS																								
700-20-11C	VEHICULAR WAYFINDING (SINGLE POST)	AS																								
711-11-121	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (6")	LF	716		1244		945																2,905			
711-11-123	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (12")	LF																								
711-11-124	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (18")	LF																								
711-11-125	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (24")	LF	23		50		63																136			
711-11-141	TRAFFIC STRIPE SKIP (2'-4') (THERMOPLASTIC) (WHITE) (6")	LF					48																48			
711-11-141	TRAFFIC STRIPE SKIP (6'-10') (THERMOPLASTIC) (WHITE) (6")	LF																								
711-11-160	PAVEMENT MESSAGE (THERMOPLASTIC) (WHITE)	EA																								
	3' HANDICAP SYMBOL	EA																								
	'COMMERCIAL DELIVERY ZONE' PAVEMENT MESSAGE	EA																								
	'RESIDENTIAL PERMIT PARKING ONLY' PAVEMENT MESSAGE	EA	3		6																		9			
	'SCOOTER' PAVEMENT MESSAGE (STANDARD)	EA	1		2		1																4			
	'SCOOTER' PAVEMENT MESSAGE (COMPACT)	EA			1																		1			
	'STOP' PAVEMENT MESSAGE	EA	2		5		4																11			
	'YIELD' PAVEMENT MESSAGE	EA																								
711-11-170	DIRECTIONAL ARROW (THERMOPLASTIC)	EA																								
711-11-180	YIELD LINE (THERMOPLASTIC) (WHITE)	LF																								
711-11-221	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (YELLOW) (6")	LF	100		150		870																1,120			
711-11-421	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (BLUE) (6")	LF																								

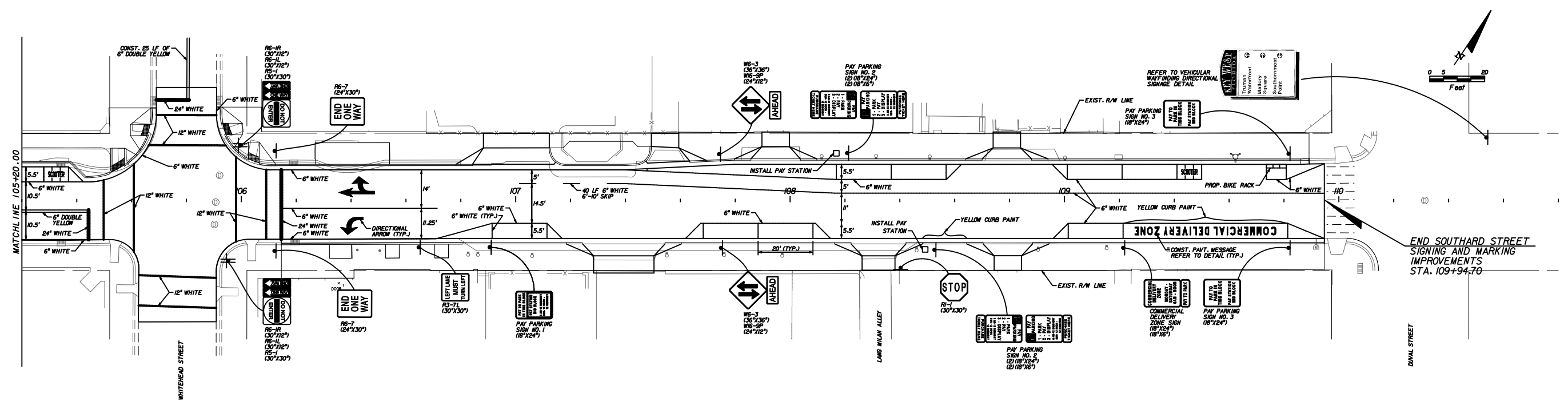
TABULATION OF QUANTITIES - FORT STREET																											
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																						TOTAL		REF. SHEET
			FORT 1		FORT 2		FORT 3																				
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-20-11	SINGLE POST SIGN (FURNISH & INSTALL) (LESS THAN 12 SF)																										
	FTP-21-06 (12"X18")	AS	4																					4			
	FTP-22-06 (12"X6")	AS	4																					4			
	OM-3L (12"X30")	AS																									
	R1-1 (30"X30")	AS			2		2																	4			
	R1-2 (36"X36"X36")	AS			1																			1			
	R3-5R (36"X36")	AS																									
	R3-5L (36"X36")	AS																									
	R3-7L (30"X30")	AS																									
	R5-1 (30"X30")	AS			3		2																	5			
	R6-1R (30"X12")	AS																									
	R6-1L (30"X12")	AS			1		1																	2			
	R6-6 (24"X30")	AS			2		2																	4			
	R6-7 (24"X30")	AS			2																			2			
	W1-1R (30"X30")	AS					2																	2			
	W1-6R (48"X24")	AS																									
	W6-3 (36"X36")	AS			2																			2			
	W16-9P (24"X12")	AS			2																			2			
	COMMERCIAL DELIVERY ZONE (18"X24") (18"X6")	AS																									
	PAY PARKING #1 (18"X24")	AS																									
	PAY PARKING #2 (18"X24") (18"X6")	AS																									
	PAY PARKING #3 (18"X24")	AS																									
700-20-11A	BUS STOP WAYFINDING	AS																									
700-20-11B	PEDESTRIAN WAYFINDING	AS																									
700-20-11C	VEHICULAR WAYFINDING (SINGLE POST)	AS			1		1																	2			
711-11-121	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (6")	LF	1733		1163		989																	3,885			
711-11-123	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (12")	LF																									
711-11-124	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (18")	LF	49																					49			
711-11-125	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (24")	LF			25		22																	47			
711-11-141	TRAFFIC STRIPE SKIP (2'-4') (THERMOPLASTIC) (WHITE) (6")	LF			51																			51			
711-11-141	TRAFFIC STRIPE SKIP (6'-10') (THERMOPLASTIC) (WHITE) (6")	LF																									
711-11-160	PAVEMENT MESSAGE (THERMOPLASTIC) (WHITE)																										
	3' HANDICAP SYMBOL	EA	4																					4			
	'COMMERCIAL DELIVERY ZONE' PAVEMENT MESSAGE	EA																									
	'RESIDENTIAL PERMIT PARKING ONLY' PAVEMENT MESSAGE	EA	16																					16			
	'SCOOTER' PAVEMENT MESSAGE (STANDARD)	EA																									
	'SCOOTER' PAVEMENT MESSAGE (COMPACT)	EA																									
	'STOP' PAVEMENT MESSAGE	EA			1		2																	3			
	'YIELD' PAVEMENT MESSAGE	EA			1																			1			
711-11-170	DIRECTIONAL ARROW (THERMOPLASTIC)	EA																									
711-11-180	YIELD LINE (THERMOPLASTIC) (WHITE)	LF					10																	10			
711-11-221	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (YELLOW) (6")	LF			174		564																	738			
711-11-421	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (BLUE) (6")	LF	128																					128			

R E V I S I O N S						 BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	FORT STREET SIGNING AND MARKING TABULATION OF QUANTITIES		SHEET NO. 163
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					

TABULATION OF QUANTITIES - GERALDINE STREET																									
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL		REF. SHEET		
			GER 1																						
			PLAN	FINAL																	PLAN	FINAL		PLAN	FINAL
700-20-11	SINGLE POST SIGN (FURNISH & INSTALL) (LESS THAN 12 SF)																								
	FTP-21-06 (12"X18")	AS																							
	FTP-22-06 (12"X6")	AS																							
	OM-3L (12"X30")	AS	3																			3			
	R1-1 (30"X30")	AS	1																			1			
	R1-2 (36"X36"X36")	AS																							
	R3-5R (36"X36")	AS																							
	R3-5L (36"X36")	AS																							
	R3-7L (30"X30")	AS																							
	R5-1 (30"X30")	AS																							
	R6-1R (30"X12")	AS	1																			1			
	R6-1L (30"X12")	AS	1																			1			
	R6-6 (24"X30")	AS																							
	R6-7 (24"X30")	AS																							
	W1-1R (30"X30")	AS																							
	W1-6R (48"X24")	AS	1																			1			
	W6-3 (36"X36")	AS																							
	W16-9P (24"X12")	AS																							
	COMMERCIAL DELIVERY ZONE (18"X24") (18"X6")	AS																							
	PAY PARKING #1 (18"X24")	AS																							
	PAY PARKING #2 (18"X24") (18"X6")	AS																							
	PAY PARKING #3 (18"X24")	AS																							
700-20-11A	BUS STOP WAYFINDING	AS																							
700-20-11B	PEDESTRIAN WAYFINDING	AS																							
700-20-11C	VEHICULAR WAYFINDING (SINGLE POST)	AS																							
711-11-121	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (6")	LF	776																			776			
711-11-123	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (12")	LF																							
711-11-124	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (18")	LF																							
711-11-125	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) (24")	LF	12																			12			
711-11-141	TRAFFIC STRIPE SKIP (2'-4') (THERMOPLASTIC) (WHITE) (6")	LF																							
711-11-141	TRAFFIC STRIPE SKIP (6'-10') (THERMOPLASTIC) (WHITE) (6")	LF																							
711-11-160	PAVEMENT MESSAGE (THERMOPLASTIC) (WHITE)																								
	3' HANDICAP SYMBOL	EA																							
	'COMMERCIAL DELIVERY ZONE' PAVEMENT MESSAGE	EA																							
	'RESIDENTIAL PERMIT PARKING ONLY' PAVEMENT MESSAGE	EA	10																			10			
	'SCOOTER' PAVEMENT MESSAGE (STANDARD)	EA																							
	'SCOOTER' PAVEMENT MESSAGE (COMPACT)	EA	2																			2			
	'STOP' PAVEMENT MESSAGE	EA	1																			1			
	'YIELD' PAVEMENT MESSAGE	EA																							
711-11-170	DIRECTIONAL ARROW (THERMOPLASTIC)	EA			2																	2			
711-11-180	YIELD LINE (THERMOPLASTIC) (WHITE)	LF																							
711-11-221	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (YELLOW) (6")	LF																							
711-11-421	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (BLUE) (6")	LF																							

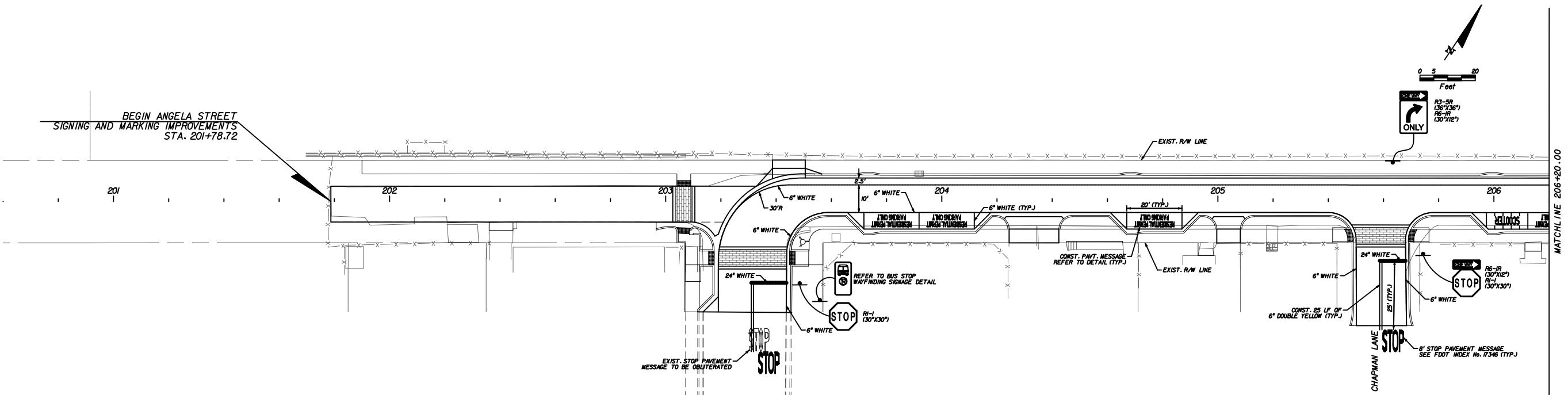


NOTE:
1. REFER TO MISCELLANEOUS SIGNING AND MARKING DETAIL SHEETS
FOR ADDITIONAL INFORMATION RELATED TO CURB PAINT LOCATIONS.

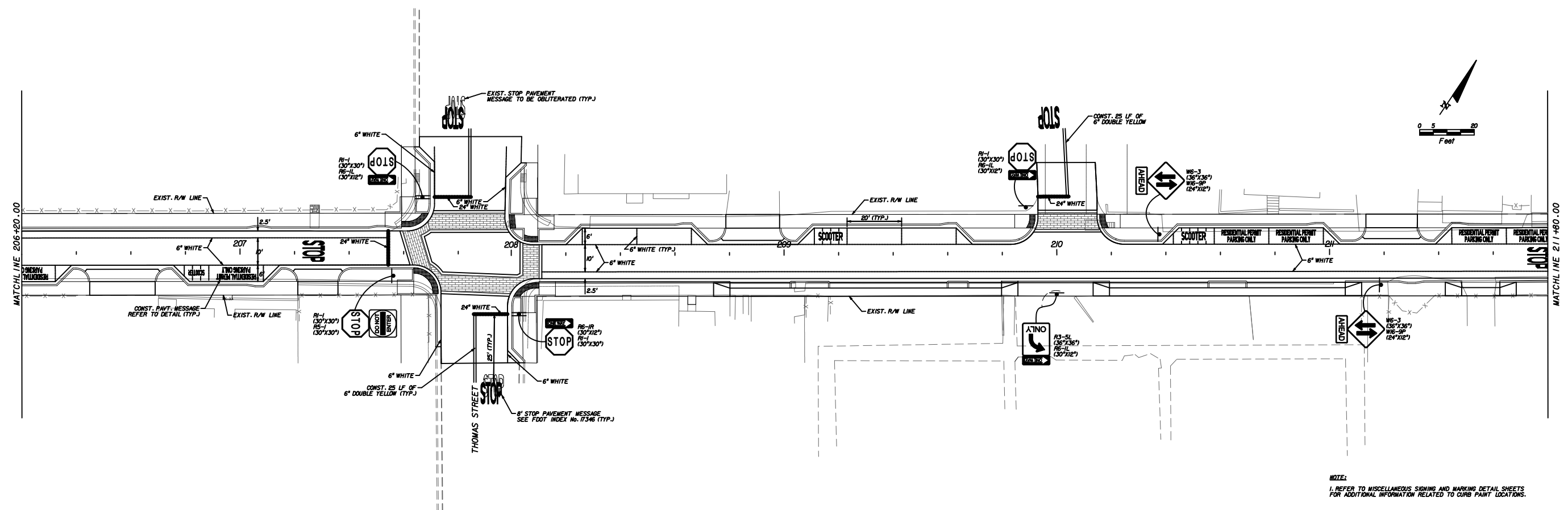


NOTE:
1. REFER TO MISCELLANEOUS SIGNING AND MARKING DETAIL SHEETS
FOR ADDITIONAL INFORMATION RELATED TO CURB PAINT LOCATIONS.
2. CITY PARKING AUTHORITY TO PROVIDE (2) PAY STATIONS FOR INSTALLATION.

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS		SOUTHARD STREET SIGNING AND MARKING		SHEET NO. 165
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						

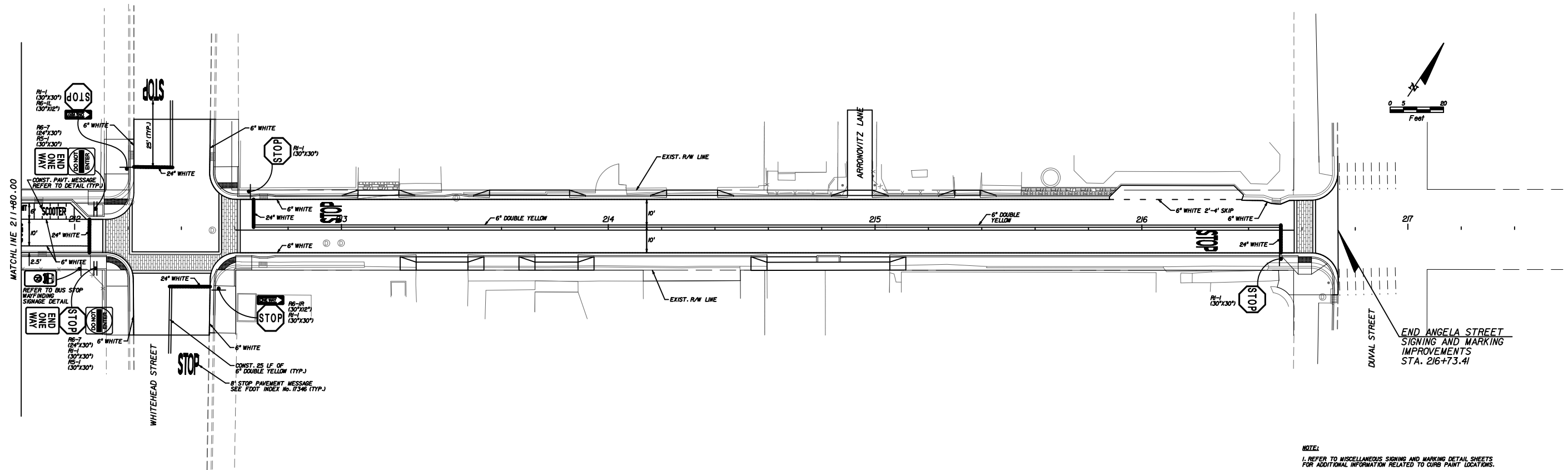


NOTE:
1. REFER TO MISCELLANEOUS SIGNING AND MARKING DETAIL SHEETS
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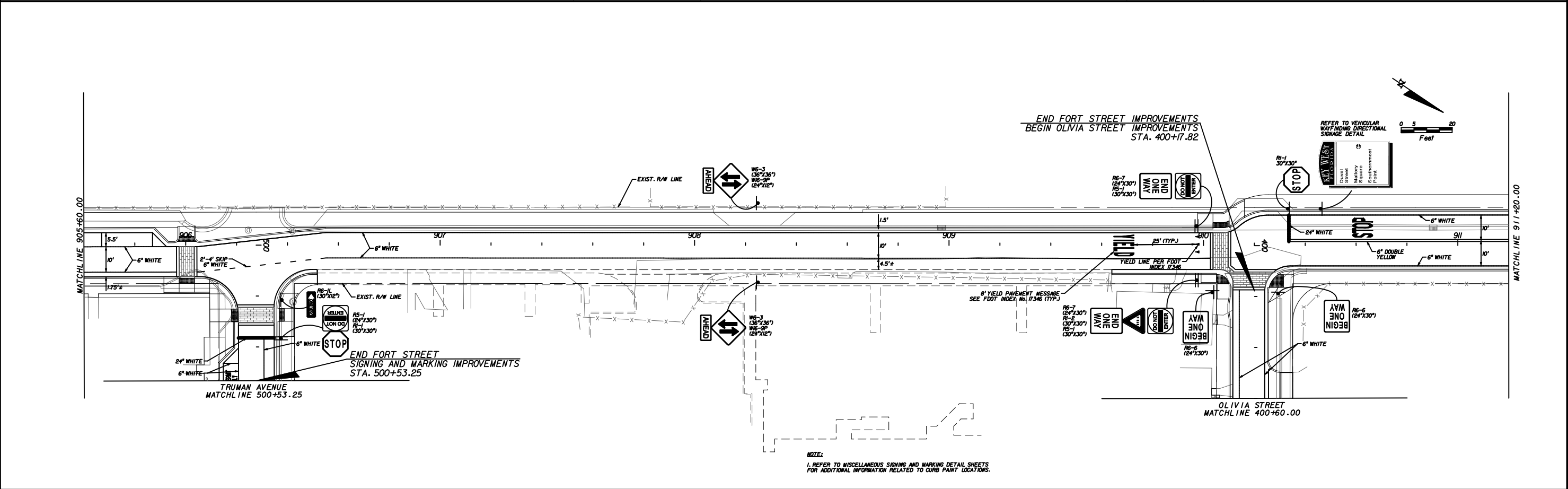
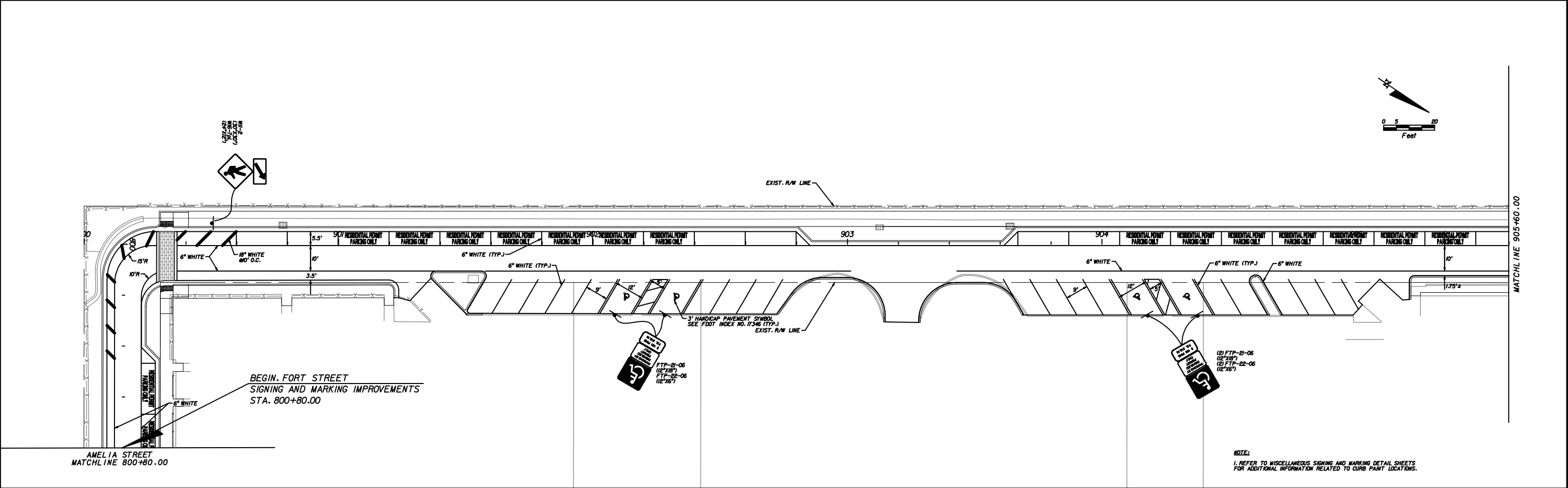


NOTE:
1. REFER TO MISCELLANEOUS SIGNING AND MARKING DETAIL SHEETS
FOR ADDITIONAL INFORMATION RELATED TO CURB PAINT LOCATIONS.

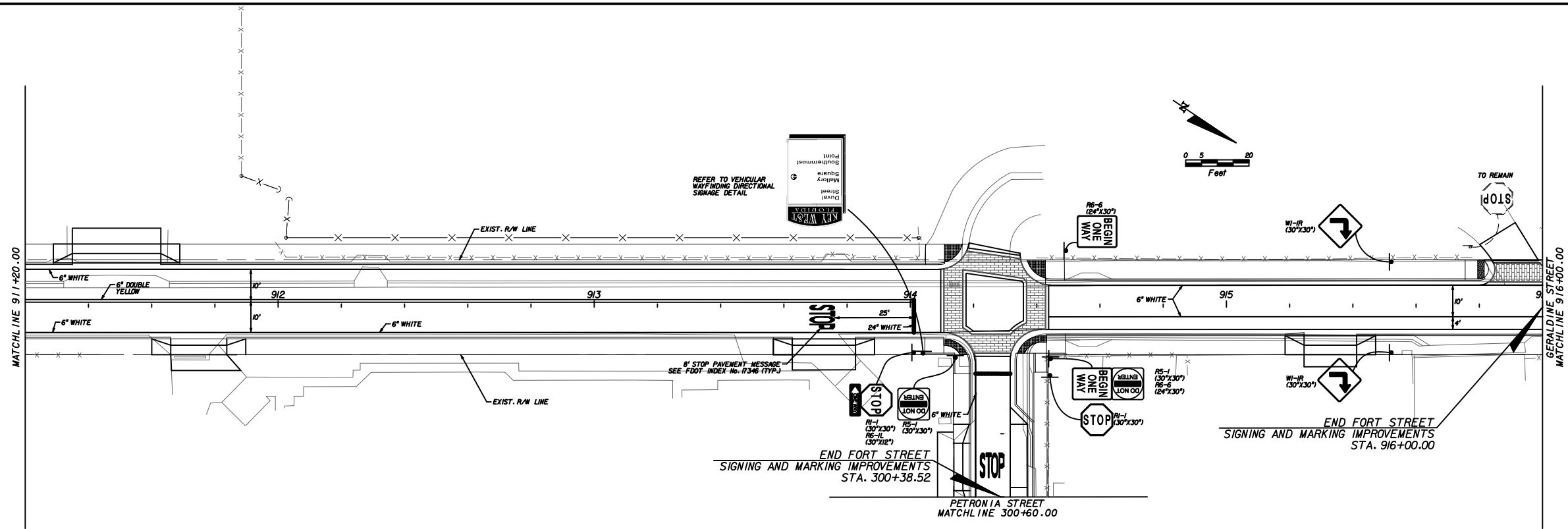
REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	ANGELA STREET SIGNING AND MARKING		SHEET NO. 166
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					



REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA		ANGELA STREET SIGNING AND MARKING	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			167



REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS		FORT STREET SIGNING AND MARKING		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						180



NOTE:
1. REFER TO MISCELLANEOUS SIGNING AND MARKING DETAIL SHEETS
FOR ADDITIONAL INFORMATION RELATED TO CURB PAINT LOCATIONS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



**Kimley-Horn
and Associates, Inc.**
BRIAN A. GOOD, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
CERTIFICATE OF AUTHORIZATION# 00000696

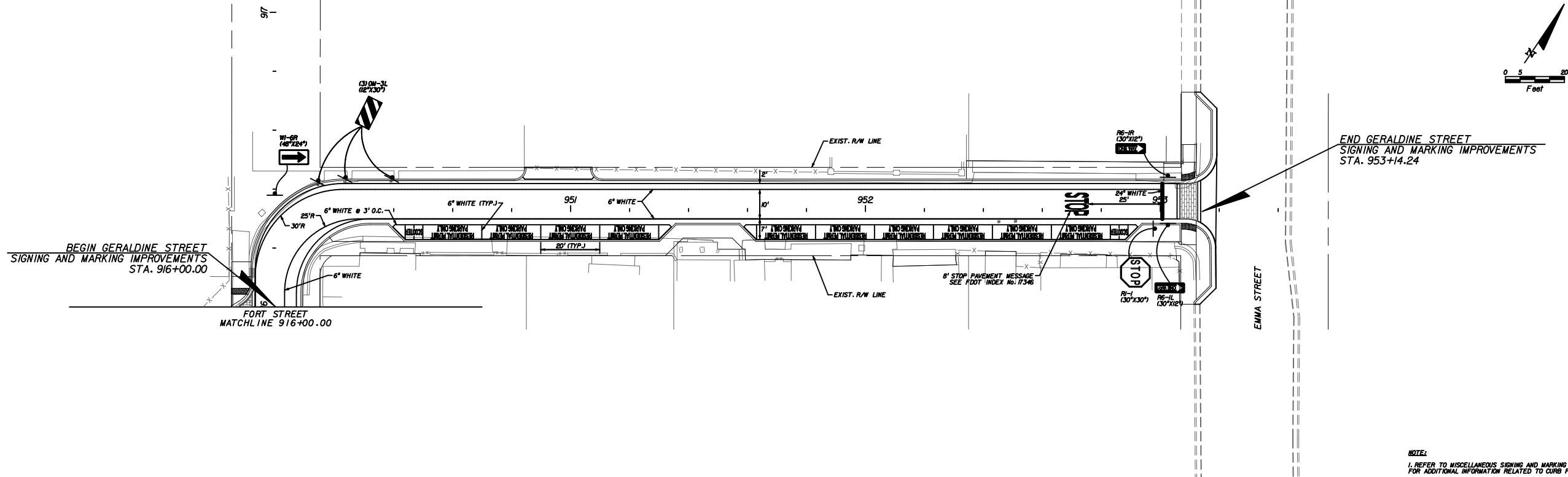
**CITY OF KEY WEST
FLORIDA**

**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

**FORT STREET
SIGNING AND MARKING**

**SHEET
NO.**

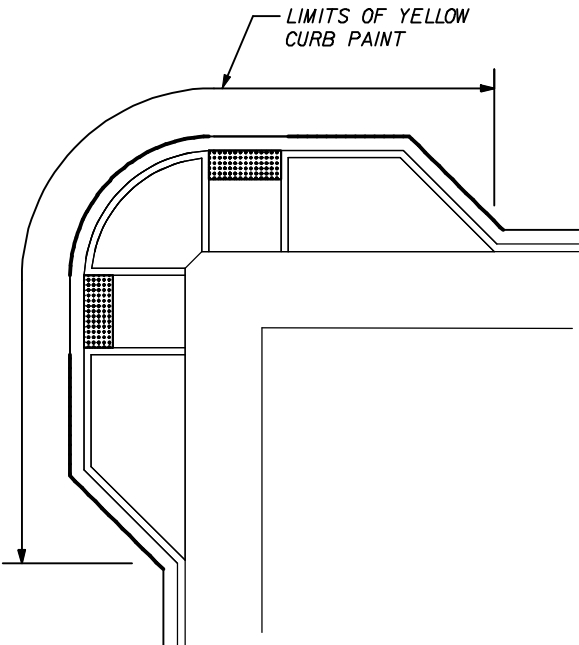
181



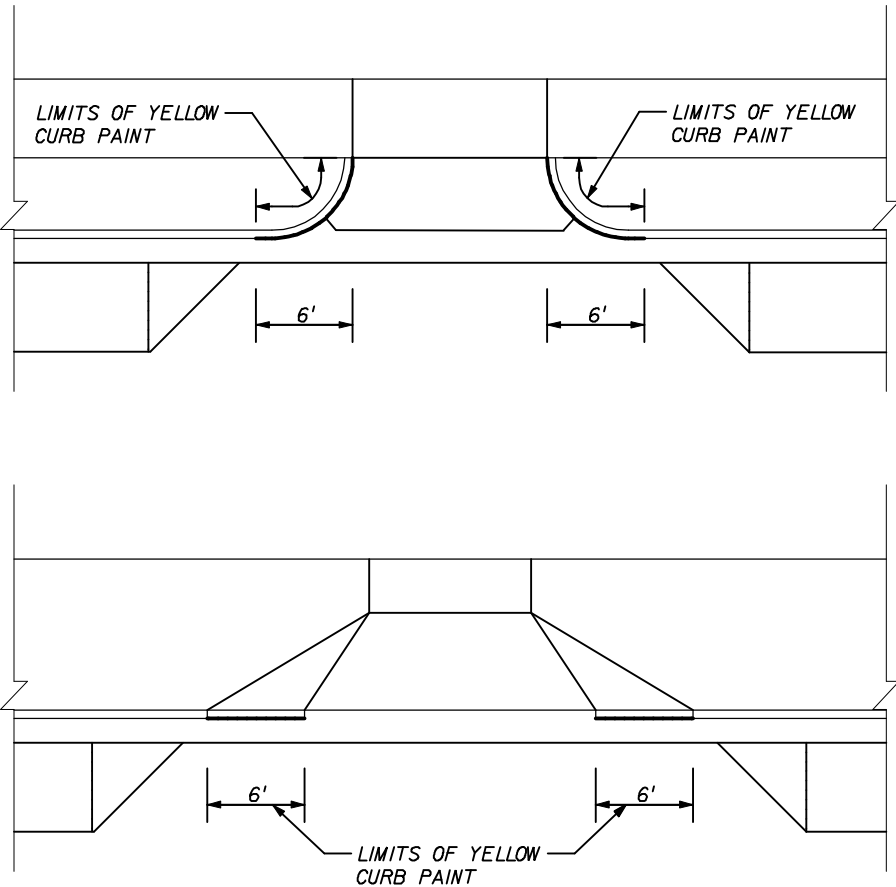
NOTE:
1. REFER TO MISCELLANEOUS SIGNING AND MARKING DETAIL SHEETS
FOR ADDITIONAL INFORMATION RELATED TO CURB PAINT LOCATIONS.

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	GERALDINE STREET SIGNING AND MARKING	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				182

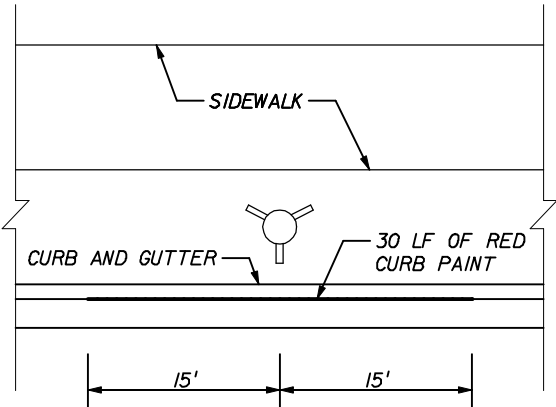
- 1. SIGNS AND PAVEMENT MARKINGS ARE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- 2. REFLECTIVE PAVEMENT MARKERS SHALL BE POSITIONED ACCORDING TO FDOT INDEX NO. 17352 & THIS PLAN.
- 3. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 MIL ALKYD THERMOPLASTIC.
- 4. ALL SIGNS SHALL BE MADE OF REFLECTIVE SHEETING ON 0.080-GAUGE ALUMINUM SIGN BLANKS.



INTERSECTION MARKING DETAIL
NTS



DRIVEWAY MARKING DETAILS
NTS

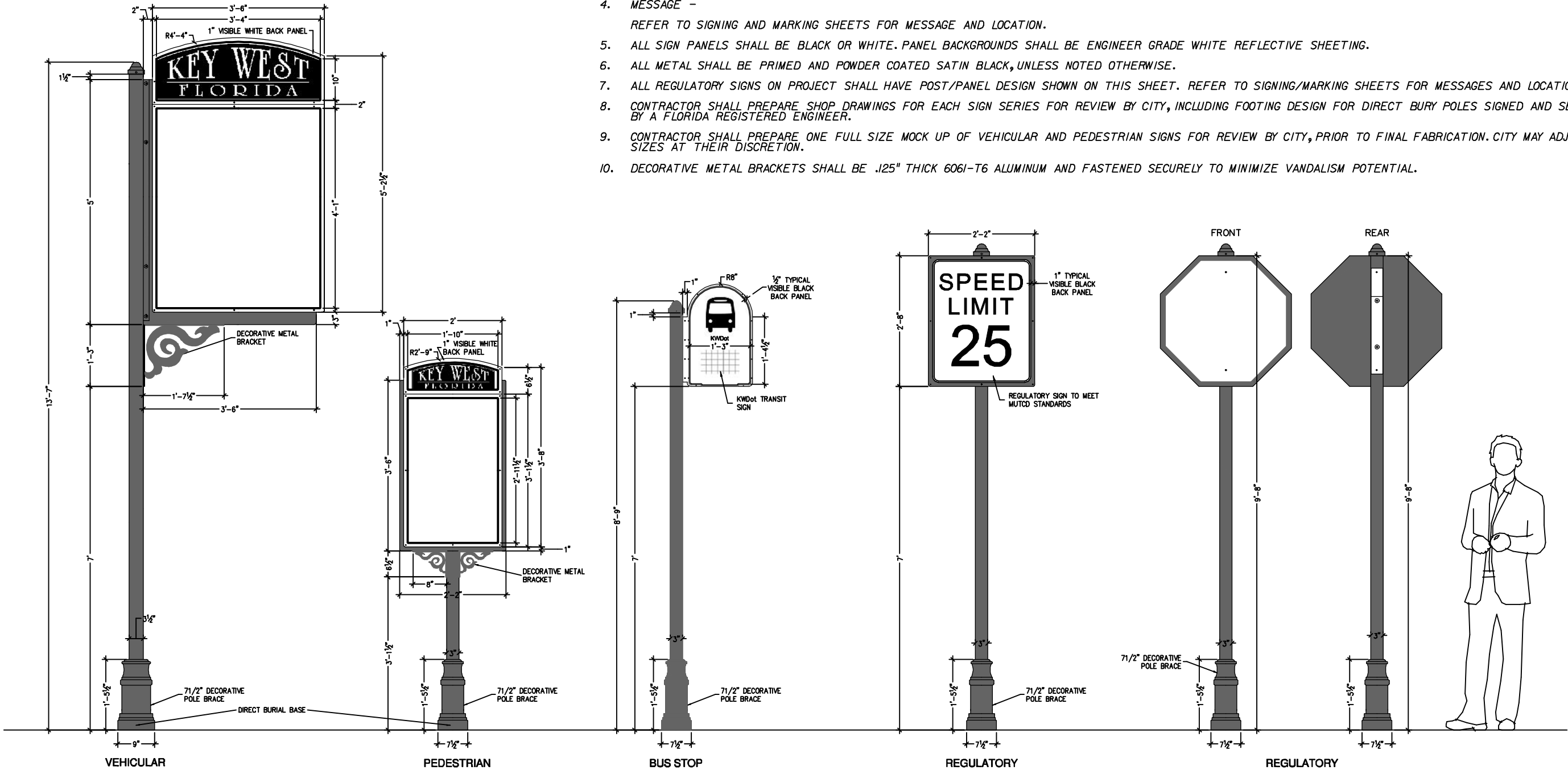


FIRE HYDRANT MARKING DETAIL
NTS

REVISIONS						 BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 601 261 STREET, SUITE 300 VERO BEACH, FL 32960 (772) 562-7981 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	MISCELLANEOUS SIGNING AND MARKING DETAIL SHEET	SHEET NO. 183
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

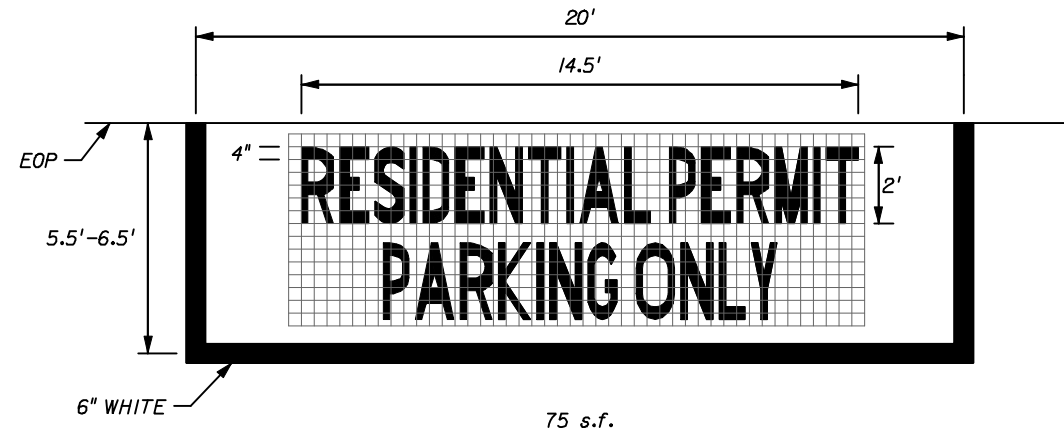
NOTES:

1. VEHICULAR SIGN -
COPY AND FRONT PANEL TO BE .08", 5052-H38 ALUMINUM
BACK PANEL TO BE .125", 6061-T6 ALUMINUM
POLE TO BE 3.5" OUTSIDE DIAMETER, .188" THICK ALUMINUM
BASECAP TO BE 319 CAST ALUMINUM
2. PEDESTRIAN SIGN -
FRONT PANEL TO BE .08", 5052-H38 ALUMINUM
BACK PANEL TO BE .125", 6061-T6 ALUMINUM
POLE TO BE 3" OUTSIDE DIAMETER, .188" THICK ALUMINUM
BASECAP TO BE 319 CAST ALUMINUM
3. TOP PANEL LOGO, DESTINATION FONT, AND ARROW -
SHALL BE PROVIDED IN DIGITAL FORMAT TO CONTRACTOR FOR USE IN SHOP DRAWING PREPARATION.
FONT SHALL BE "CLEARVIEW."
4. MESSAGE -
REFER TO SIGNING AND MARKING SHEETS FOR MESSAGE AND LOCATION.
5. ALL SIGN PANELS SHALL BE BLACK OR WHITE. PANEL BACKGROUNDS SHALL BE ENGINEER GRADE WHITE REFLECTIVE SHEETING.
6. ALL METAL SHALL BE PRIMED AND POWDER COATED SATIN BLACK, UNLESS NOTED OTHERWISE.
7. ALL REGULATORY SIGNS ON PROJECT SHALL HAVE POST/PANEL DESIGN SHOWN ON THIS SHEET. REFER TO SIGNING/MARKING SHEETS FOR MESSAGES AND LOCATIONS.
8. CONTRACTOR SHALL PREPARE SHOP DRAWINGS FOR EACH SIGN SERIES FOR REVIEW BY CITY, INCLUDING FOOTING DESIGN FOR DIRECT BURY POLES SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER.
9. CONTRACTOR SHALL PREPARE ONE FULL SIZE MOCK UP OF VEHICULAR AND PEDESTRIAN SIGNS FOR REVIEW BY CITY, PRIOR TO FINAL FABRICATION. CITY MAY ADJUST SIZES AT THEIR DISCRETION.
10. DECORATIVE METAL BRACKETS SHALL BE .125" THICK 6061-T6 ALUMINUM AND FASTENED SECURELY TO MINIMIZE VANDALISM POTENTIAL.



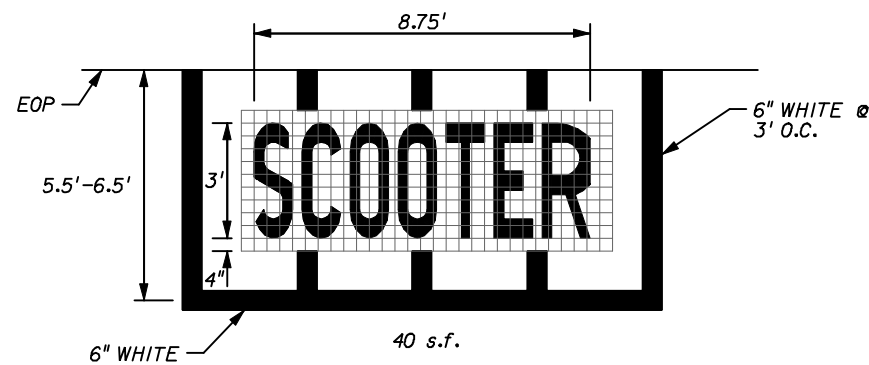
WAYFINDING SIGNAGE DETAILS
NTS

REVISIONS						 Kimley-Horn and Associates, Inc.	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	MISCELLANEOUS SIGNING AND MARKING DETAIL SHEET	SHEET NO. 184
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				



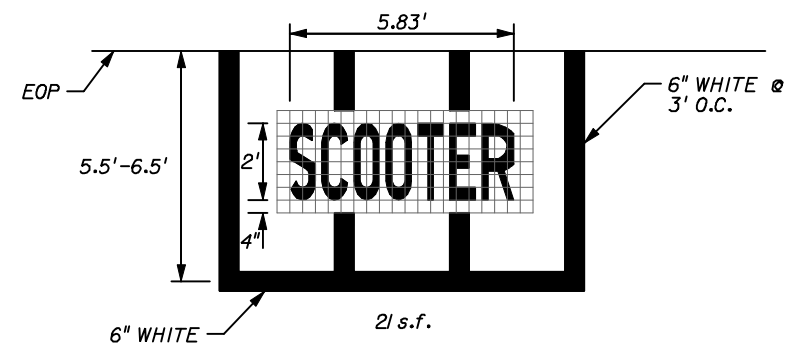
RESIDENTIAL PARKING PAVEMENT MARKING DETAIL

NTS



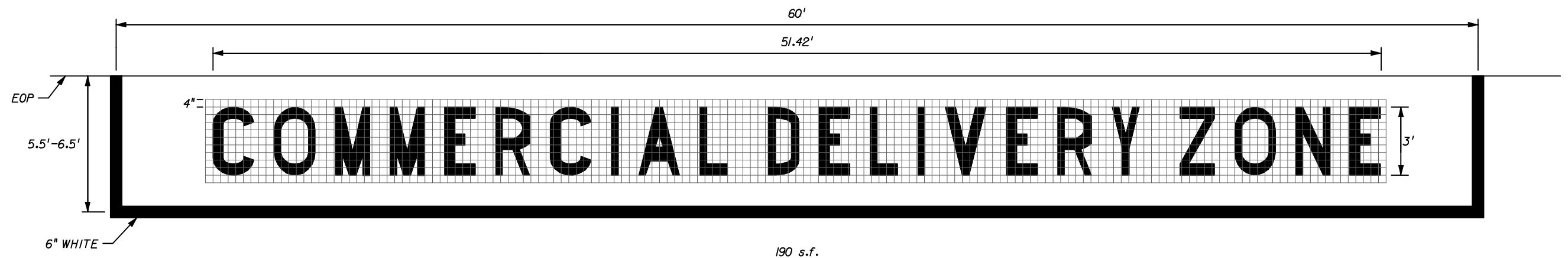
STANDARD SCOOTER PAVEMENT MARKING DETAIL

NTS



COMPACT SCOOTER PAVEMENT MARKING DETAIL

NTS



COMMERCIAL DELIVERY ZONE PAVEMENT MARKING DETAIL

NTS

REVISIONS						 BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 601 261 STREET, SUITE 300 VERO BEACH, FL 32960 (772) 562-7981 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS		MISCELLANEOUS SIGNING AND MARKING DETAIL SHEET		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						185

seanm.johnston

2/28/2011

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GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER AFFURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL PLANTING AREAS OF THIS CONTRACT UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER, AND WATERING FOR AN ADDITIONAL 120 DAYS THEREAFTER.

B. PROTECTION OF EXISTING STRUCTURES

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, AND OTHER ITEMS OF CONSTRUCTION AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THIS CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS WITHIN AND OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR BARRICADING ALL EXISTING TREES AND SHRUBS WITHIN THE AREA OF WORK SHALL BE INSTALLED AND INSPECTED PRIOR TO COMMENCEMENT OF WORK. BARRICADING SHALL CONSIST OF FENCING TO DRIPLINE CONSTRUCTED OF 2"x4", TOP AND BOTTOM RAIL, REBAR TO DEFER MOVEMENT AND FENCING, I.E. ORANGE FENCE, CYCLONE, ETC. SEE ATTACHED EXAMPLE PHOTO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY OPERATION OF EQUIPMENT, STOCKPILING OF MATERIALS, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE OR THE SPILLING OF OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS WILL BE BURNED WITHIN THE CITY OF KEY WEST LIMITS. TREES KILLED OR DAMAGED SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF TWO HUNDRED DOLLARS (1200) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY FIVE (25) PER CENT PER INCH OVER FOUR (4) INCHES CALIPER AND POSSIBLE FINES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GRADE FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GRADE FOR TREES OVER FOUR (4) INCHES IN CALIPER. LARGE HISTORIC TREES SHALL REQUIRE TREE COMMISSION APPROVAL AND PERFORMANCE BOND IN ADDITION TO A PROTECTIVE BARRICADE. REFER TO CITY OF KEY WEST CODES OF ORDINANCE ARTICLE VI. TREE PROTECTION, SECTION 100-251-435.

D. MATERIALS

1. GENERAL

SAMPLES OF MATERIALS AS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON THE SITE OR AS OTHERWISE DETERMINED BY THE OWNER. UPON APPROVAL OF SAMPLES, DELIVERY OF MATERIALS MAY BEGIN.

MATERIALS	SAMPLES
MULCH	ONE (1) CUBIC FOOT
TOPSOIL	ONE (1) CUBIC YARD
PLANTS	ONE (1) OF EACH VARIETY

2. PLANT MATERIALS

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO CURRENT STANDARDIZED PLANT NAMES. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH CURRENT GRADES AND STANDARDS FOR NURSERY PLANTS PARTS I AND II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. I OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE SELF SUPPORTING, HEALTHY, VIGOROUS, WELL-BRANCHED FULL CROWN, FREE OF DISEASE AND INSECTS, AND SHALL HAVE ADEQUATE ROOT SYSTEMS WITH NO CIRCLING ROOTS. ROOT FLARE SHALL BE APPARENT. ALL TREES AND PLANTS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. OWNER HAS RIGHT TO REJECT ANY AND ALL PLANT MATERIAL NOT IN ACCORDANCE WITH CURRENT GRADES AND STANDARDS. PLANTS SHALL NOT BE PRUNED PRIOR TO DELIVERY.

B. MEASUREMENTS: SHALL BE ADHERED TO AS SPECIFIED IN PLAN6. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED WITH PRIOR APPROVAL BY THE OWNER.

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, AND OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER FOR QUALITY, SIZE, AND VARIETY: SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE. PHOTOS OF PLANTS AND TREES MAY BE REQUIRED PRIOR TO INSPECTION AT PLACE OF GROWTH.

E. TOPSOIL AND SAND

TOPSOIL FOR USE IN PREPARING SOIL FOR BACKFILLING PLANT PITS SHALL BE FIFTY PERCENT (50%) MUCK AND TWENTY FIVE/TWENTY FIVE PERCENT (25%/25%) COURSE SAND/MULCH WITHOUT MIXTURE OF SUBSOIL MATERIALS, AND OBTAINED FROM A WELL-DRAINED, ARABLE SITE. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND SHALL BE FREE FROM HEAVY CLAY, STONES, LIME, LUMPS, PLANTS, ROOTS, CRUSHED MARL OR OTHER FOREIGN MATERIALS, OR NOXIOUS WEEDS. IT SHALL NOT CONTAIN TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. PH RANGE SHALL BE 5.0 TO 7.0 INCLUSIVE. SAND SHALL BE COARSE, CLEAN, WELL DRAINING NATIVE SAND. CONTRACTOR SHALL SUBMIT SOIL SAMPLE DOCUMENTATION RESULTS FROM LABORATORY PRIOR TO SOIL DELIVERY PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.

TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ONSITE UNLESS DETERMINED TO BE UNSUITABLE AT WHICH POINT THE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHTITECT TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN THE VIGOROUS GROWTH OF PLANTS AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS, WATERING FREQUENCY AND AMOUNTS DETERMINED BY 'IRRIGATION SPECIFICATIONS FOR ESTABLISHMENT' CHART DEVELOPED BY RUFEC AND DR. EDWARD F. GILMAN AND WILL BE IRRIGATED FOR VIGOR. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SUCH SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR TO HAND WATER PLANTING AREAS FOR AN ADDITIONAL 120 DAYS FOR PLANT ESTABLISHMENT.

G. COMMERCIAL FERTILIZER

COMMERCIAL FERTILIZER SHALL BE A COMPLETE FORMULA: IT SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED CONTAINERS, EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS.

FIFTY PERCENT (50%) OF THE NITROGEN SHALL BE DERIVED FROM NATURAL ORGANIC SOURCES. THE FOLLOWING FERTILIZERS SHALL BE USED AND APPLIED AT RATES AS SUGGESTED BY MANUFACTURER'S SPECIFICATIONS:

- SHRUBS AND TREES - OSMOCOTE/SIERRA BLEND 14-14-14 OR APPROVED EQUAL.
- ANNUALS AND GROUNDCOVERS - OSMOCOTE/SIERRA BLEND 14-14-14
- SOD - 8-8-8 FERTILIZER

H. MULCH

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF 3 INCHES. SEE PLANT LIST FOR TYPE OF MATERIAL (E.G. 'FLORA-MULCH,' OR EUCALYPTUS MULCH) AND GRADE. CYPRESS MULCH SHALL NOT BE USED.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR BALLS AND TRUCKS OF PLANTS AT ALL TIMES FROM SUN AND DRYING WINDS, WATER, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT BREAKAGE AND DRYING OUT DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ('WILTFRUF' OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS. TREES NOT PLANTED IMMEDIATELY UPON DELIVERY AND LYING IN SEMI OR HORIZONTAL POSITION MUST BE COVERED BY A PROTECTIVE MOISTENED MATERIAL TO COMPLETELY COVER TRUNKS AND ROOTBALLS OF TREES. PLANTS SHALL BE PROTECTED UPON ARRIVAL AT THE SITE BY BEING THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. TREES WILL BE REJECTED IF LEFT UNCOVERED.

2. BALLED AND BURLAPPED PLANTS (B4B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED 'BR' IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. THE ROOTS SHALL NOT BE CUT WITHIN THE MINIMUM SPREAD SPECIFIED IN THE PLANT LIST. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT IN MOVING AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS (IF APPLICABLE): NO FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE DETERMINED AT FRONDS EMINATING HORIZONTAL OF CROWN SHAFT. ALL PALMS SHALL BE BRACED PER DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE DONE USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THECONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL BE OF GOOD QUALITY AND ARE IN A HEALTHY, VIGOROUS, GROWING CONDITION. PLANTS SHALL BE SELF SUPPORTING AND HAVE FIRM ROOTBALLS.

2. ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. PLANT ROOTS POT BOUND OR CIRCLING IN CONTAINER SHALL NOT BE ACCEPTABLE.

4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER AND LANDSCAPE ARCHITECT.

K. NATIVE STOCK

NO PLANTS SHALL BE COLLECTED FROM THE WILD. PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

L. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE BIDDERS TAKE OFF AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO THE SUBMISSIONS OF BIDS. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

M. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE LANDSCAPE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.

N. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR OWNER. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER LINES, CABLE AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES.

3. SUBGRADE EXCAVATION: SITE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". SITE CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY SITE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, LANDSCAPE CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPEMATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. PLANTS SHALL BE PROTECTED UPON ARRIVAL AT THE SITE BY BEING THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS SHALL NOT REMAIN UNPROTECTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE THE PLANTING WITH THE IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION ITEMS AND PLANTS.

7. ALL PLANTINGS SHALL BE IN ACCORDANCE WITH ANSI A300 STANDARDS AND CURRENT BEST MANAGEMENT PRACTICES (BMPs). TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE PLANTING DETAIL THAT ADDRESSES THIS CONDITION. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURE AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN. PROPER 'JETTING IN' SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. 'JET STICK' OR EQUAL IS RECOMMENDED.

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8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS. IN ADDITION, EACH PLANTING PIT SHALL INCORPORATE OSMOCOTE OR APPROVED FERTILIZER INTO BACKFILL SOIL FROM BASE TO TOP OF PIT ACCORDING TO MANUFACTURE DIRECTIONS

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AND AT SUCH A LEVEL THAT AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED AND THOROUGHLY AROUND THE BALL AND SHALL BE SETTLED BY WATER AFTER PLANTING.

11. FILL HOLE WITH WATER AND SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH KEEPING MULCH AWAY FROM TRUNK. ALL BURLAP, ROPE, WIRES, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH. BIODEGRADEABLE BURLAP SHALL BE USED.

12. PRUNING: NO PRUNING SHALL BE PERFORMED UNLESS OWNER SPECIFIES SUCH.

13. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6', REMOVE AND DISPOSE ALL DEBRIS, GRASS, WEEDS AND ROCKS. TILL INTO TOP 4' THE PLANTING SOIL MIX AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION AND MULCHING.

14. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE LANDSCAPE CONTRACTOR IN ACCORDANCE WITH CURRENT BMP's (BEST MANAGEMENT PRACTICES) TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE LANDSCAPE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF THEIR INTENTIONS AND AGREE TO HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT ANY TREES FALL DOWN AND DAMAGE PERSON OR PROPERTY.

15. MULCHING: PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER AND VINE BED AND TREE PIT. MAINTAIN MINIMUM 3' DISTANCE OF MULCH FROM TRUNK OF TREE, SHRUBS AND GROUND COVER. MULCH SHALL NOT BE PLACED ON TRUNK OF TREE, SHRUB OR GROUND COVER.

16. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, 'ROUND-UP' SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER.

O. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A GRASS LAWN ACCEPTABLE TO THE OWNER.

2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE WHOLE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT OF ROLLING SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BEREGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH THAT IS UP TO THE REQUIRED GRADE.

3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. APPLY FERTILIZER AT RATE OF TWENTY (20) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. APPLICATION SHALL BE UNIFORM, UTILIZING APPROVED MECHANICAL SPREADERS. MIX FERTILIZER THOROUGHLY WITH THE SOIL TO A DEPTH OF THREE (3) INCHES. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

4. SODDING

A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

B. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.

C. PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A FOUR INCH MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND AS APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN.

5. DURING DELIVERY, PRIOR TO AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

6. LAWN MAINTENANCE:

A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN, DISEASED OR BARE SPOTS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRAIDING IF NECESSARY). MOWING SHALL BE PROVIDED BY CONTRACTOR. MOWING OF GRASS SHALL BE AT A MAINTAINED HEIGHT OF NO LESS OR MORE THAN 2.5'- 4'.

B. WATER EVERY DAY FOR TEN (10) SUCCESSIVE DAYS, THEN WATER THREE (3) TIMES PER WEEK (AT EVEN INTERVALS) FOR EIGHTY (80) ADDITIONAL DAYS. ALL WATERING SHALL BE OF SUFFICIENT QUANTITY TO WET OR RESTORE WATER TO DEPTH OF FOUR (4) INCHES.

P. CLEAN-UP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

Q. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

R. MAINTENANCE (ALTERNATE BID ITEM)

1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST PER MONTH BASIS. THIS SHALL INCLUDE HAND WATERING OF PLANT MATERIAL UNTIL ESTABLISHED.

S. GUARANTEE

1. THE LIFE AND SATISFACTORY CONDITION OF ALL 15 GALLON AND LARGER PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER.

2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF 90 CALENDAR DAYS, COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE LANDSCAPE ARCHITECT OR OWNER.

3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION PRIOR TO ACCEPTANCE SHALL BE REPLACED IMMEDIATELY. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN 30 DAYS. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER 'PLANTING', AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTH PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE GUARANTEE PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR GUARANTEE (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

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TABULATION OF QUANTITIES / PLANT SCHEDULE	
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TABULATION OF QUANTITIES / SITE AMENITIES SCHEDULE	
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[illegible]

I. ALLOWANCES HAVE BEEN MADE FOR BIKE BOLLARDS, STREET BOLLARDS, TRASH RECEPTACLES, BENCHES, AND BIKE RACKS WITHIN THE TABULATION OF QUANTITIES. CONTRACTOR SHALL COORDINATE WITH CITY STAFF ON SPECIFIC LOCATIONS FOR THESE SITE AMENITIES.

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				188

TABULATION OF QUANTITIES / PLANT SCHEDULE	
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TABULATION OF QUANTITIES / SITE AMENITIES SCHEDULE	
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						189

TABULATION OF QUANTITIES / PLANT SCHEDULE	
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TABULATION OF QUANTITIES / SITE AMENITIES SCHEDULE

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			196

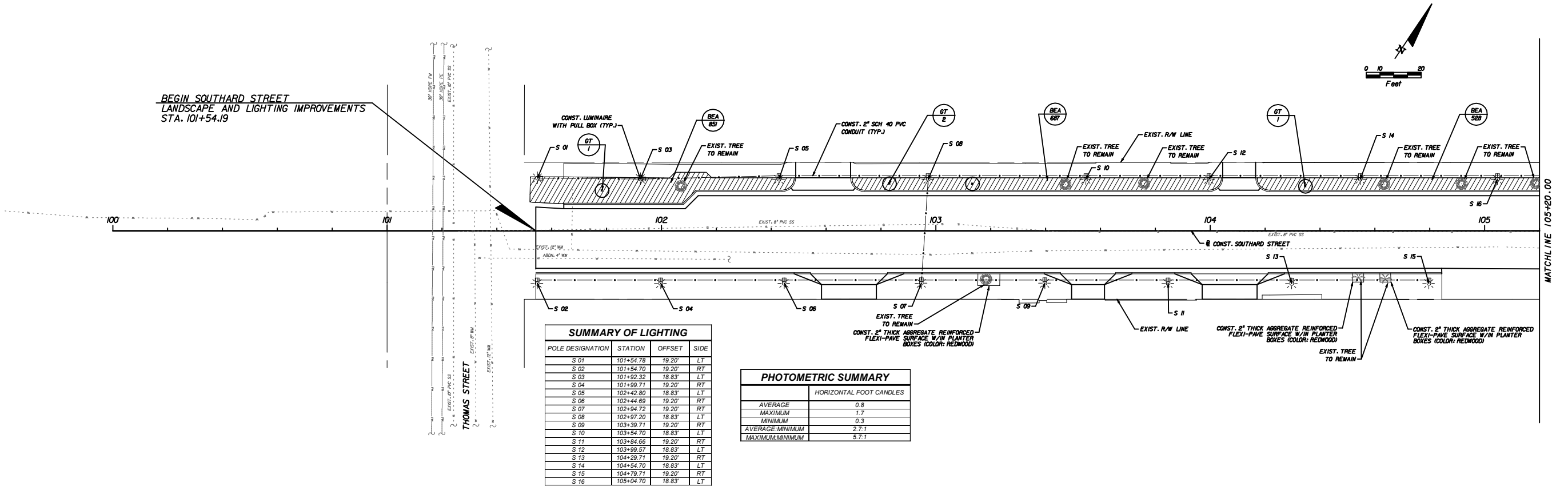
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TABULATION OF QUANTITIES / SITE AMENITIES SCHEDULE	
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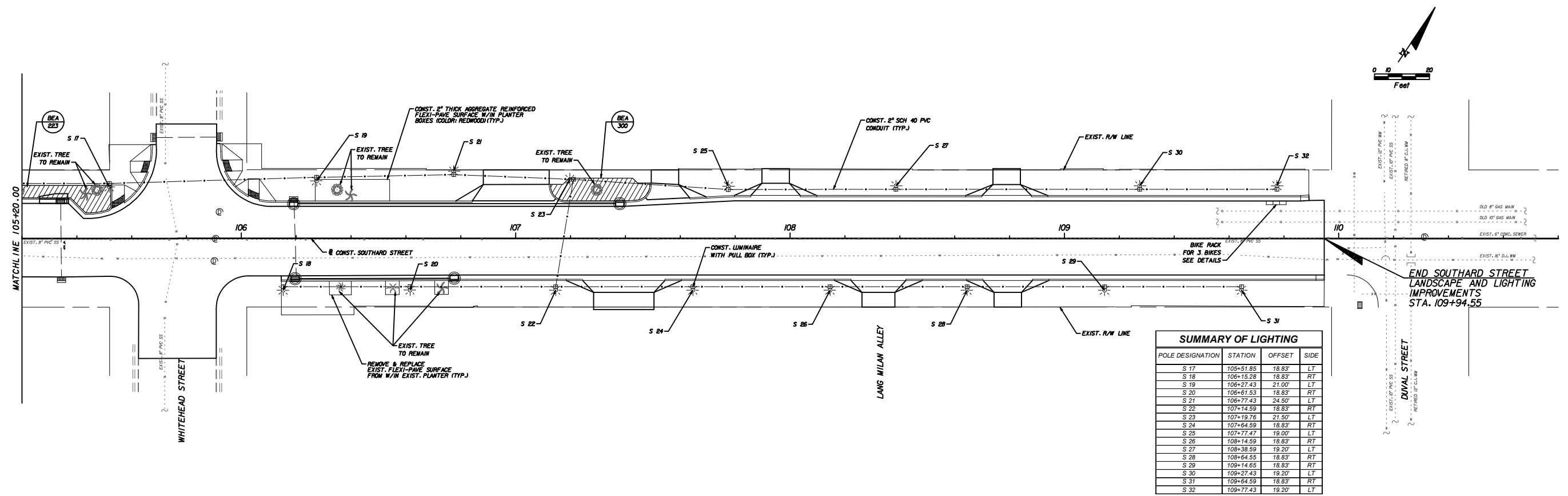
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SUMMARY OF LIGHTING				
POLE DESIGNATION	STATION	OFFSET	SIDE	
S 01	101+54.78	19.20'	LT	
S 02	101+54.70	19.20'	RT	
S 03	101+52.32	18.83'	LT	
S 04	101+59.71	19.20'	RT	
S 05	102+42.90	18.83'	LT	
S 06	102+44.69	19.20'	RT	
S 07	102+94.72	19.20'	RT	
S 08	102+97.20	18.83'	LT	
S 09	103+39.71	19.20'	RT	
S 10	103+54.70	18.83'	LT	
S 11	103+84.66	19.20'	RT	
S 12	103+99.57	18.83'	LT	
S 13	104+29.71	19.20'	RT	
S 14	104+54.70	18.83'	LT	
S 15	104+79.71	19.20'	RT	
S 16	105+04.70	18.83'	LT	

PHOTOMETRIC SUMMARY	
	HORIZONTAL FOOT CANDLES
AVERAGE	0.8
MAXIMUM	1.7
MINIMUM	0.3
AVERAGE/MINIMUM	2.7:1
MAXIMUM/MINIMUM	5.7:1



SUMMARY OF LIGHTING				
POLE DESIGNATION	STATION	OFFSET	SIDE	
S 17	105+51.85	18.83'	LT	
S 18	106+15.28	18.83'	RT	
S 19	106+27.43	21.00'	LT	
S 20	106+61.53	18.83'	RT	
S 21	106+77.43	24.50'	LT	
S 22	107+14.59	18.83'	RT	
S 23	107+19.76	21.50'	LT	
S 24	107+64.59	18.83'	RT	
S 25	107+77.47	19.00'	LT	
S 26	108+14.59	18.83'	RT	
S 27	108+38.59	19.20'	LT	
S 28	108+64.55	18.83'	RT	
S 29	109+14.65	18.83'	RT	
S 30	109+27.43	19.20'	LT	
S 31	109+64.59	18.83'	RT	
S 32	109+77.43	19.20'	LT	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



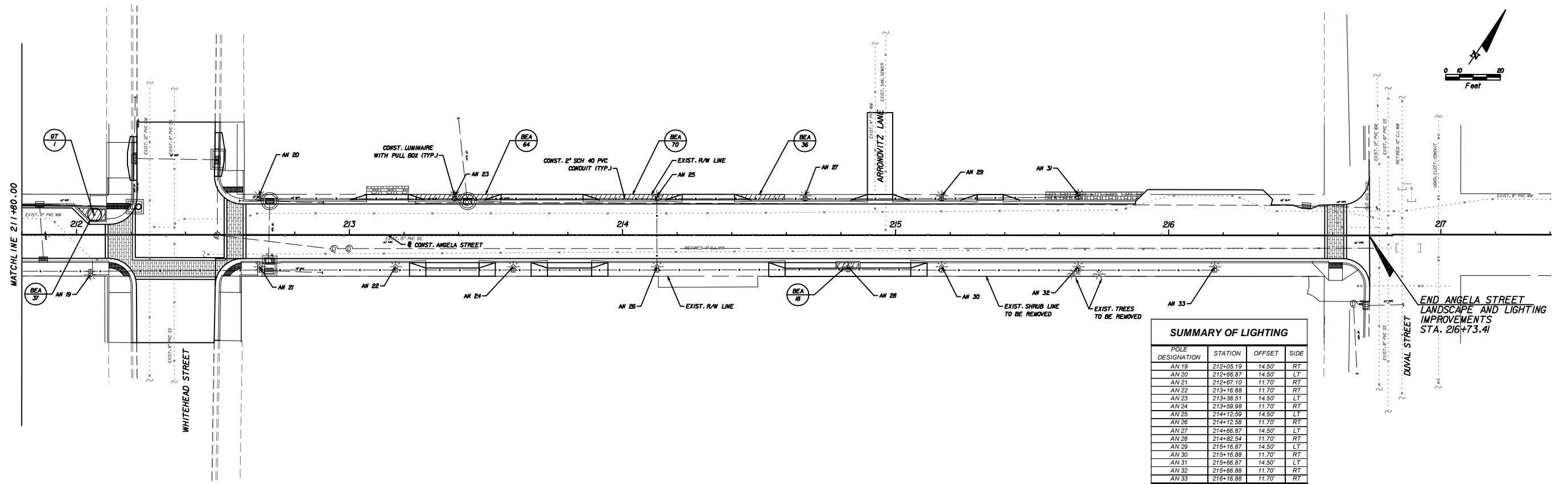
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and Associates, Inc.**
BRIAN A. GOOD, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
CERTIFICATE OF AUTHORIZATION# 00000696

**CITY OF KEY WEST
FLORIDA**

**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

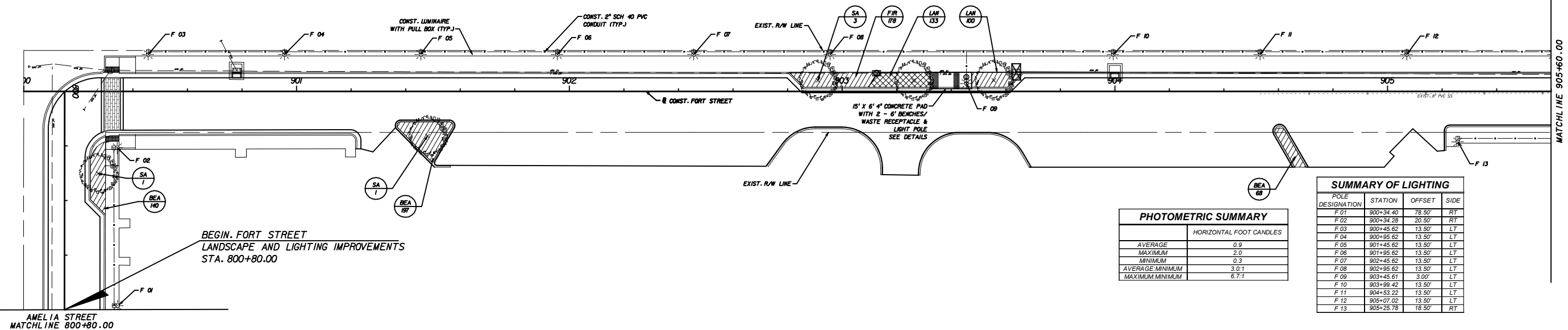
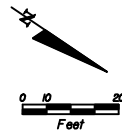
**SOUTHARD STREET
LANDSCAPE & LIGHTING**

SHEET NO.
198



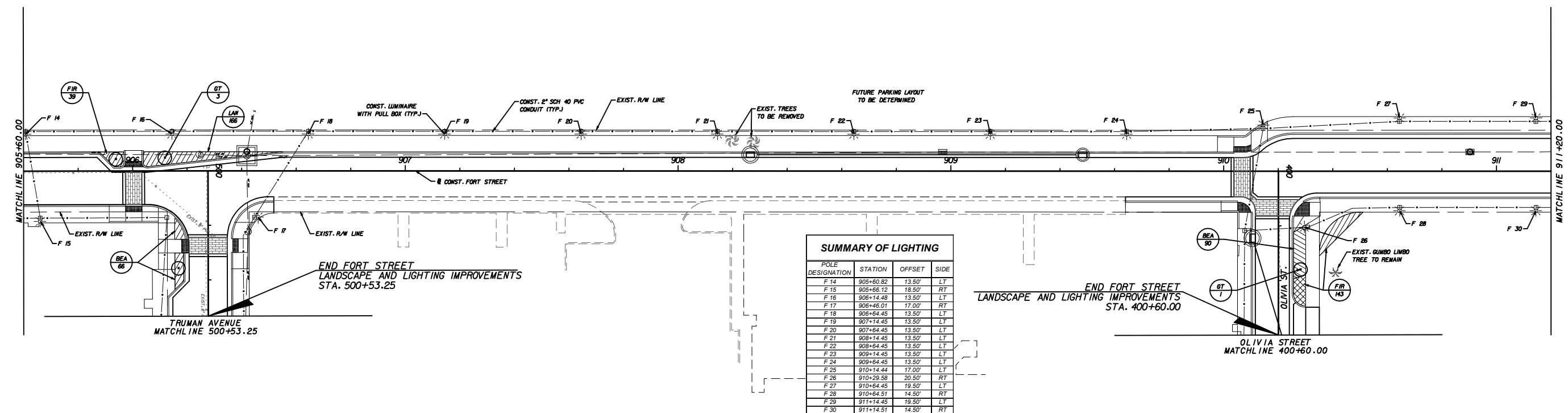
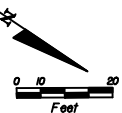
SUMMARY OF LIGHTING			
POLE DESIGNATION	STATION	OFFSET	SIDE
AN 19	212+05.19	14.50'	RT
AN 20	212+66.87	14.50'	LT
AN 21	212+67.10	11.70'	RT
AN 22	213+16.88	11.70'	RT
AN 23	213+38.51	14.50'	LT
AN 24	213+58.98	11.70'	RT
AN 25	214+12.59	14.50'	LT
AN 26	214+12.58	11.70'	RT
AN 27	214+66.87	14.50'	LT
AN 28	214+82.54	11.70'	RT
AN 29	215+16.87	14.50'	LT
AN 30	215+16.88	11.70'	RT
AN 31	215+66.87	14.50'	LT
AN 32	215+66.88	11.70'	RT
AN 33	216+16.88	11.70'	RT

REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	ANGELA STREET LANDSCAPE & LIGHTING		SHEET NO. 200
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					



PHOTOMETRIC SUMMARY	
	HORIZONTAL FOOT CANDLES
AVERAGE	0.9
MAXIMUM	2.0
MINIMUM	0.3
AVERAGE/MINIMUM	3.0:1
MAXIMUM/MINIMUM	6.7:1

SUMMARY OF LIGHTING			
POLE DESIGNATION	STATION	OFFSET	SIDE
F 01	900+34.40	78.50'	RT
F 02	900+34.28	20.50'	RT
F 03	900+45.62	13.50'	LT
F 04	900+55.62	13.50'	LT
F 05	901+45.62	13.50'	LT
F 06	901+55.62	13.50'	LT
F 07	902+45.62	13.50'	LT
F 08	902+55.62	13.50'	LT
F 09	903+45.61	3.00'	LT
F 10	903+55.42	13.50'	LT
F 11	904+53.22	13.50'	LT
F 12	905+07.02	13.50'	LT
F 13	905+25.78	18.50'	RT



SUMMARY OF LIGHTING			
POLE DESIGNATION	STATION	OFFSET	SIDE
F 14	905+60.82	13.50'	LT
F 15	905+66.12	18.50'	RT
F 16	906+14.48	13.50'	LT
F 17	906+46.01	17.00'	RT
F 18	906+64.45	13.50'	LT
F 19	907+14.45	13.50'	LT
F 20	907+64.45	13.50'	LT
F 21	908+14.45	13.50'	LT
F 22	908+64.45	13.50'	LT
F 23	909+14.45	13.50'	LT
F 24	909+64.45	13.50'	LT
F 25	910+14.44	17.00'	LT
F 26	910+29.58	20.50'	RT
F 27	910+64.45	19.50'	LT
F 28	910+64.51	14.50'	RT
F 29	911+14.45	19.50'	LT
F 30	911+14.51	14.50'	RT

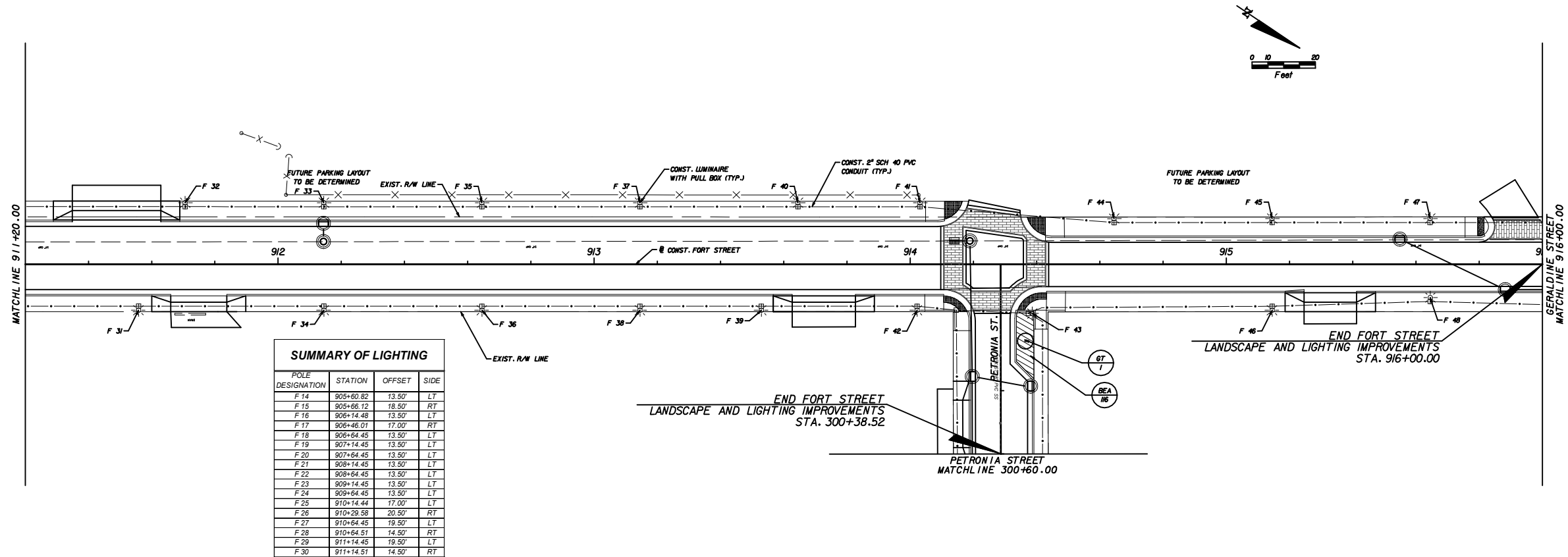
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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BRIAN A. GOOD, P.E.
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445 24th STREET, SUITE 200
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(772) 794-4100
CERTIFICATE OF AUTHORIZATION# 00000696

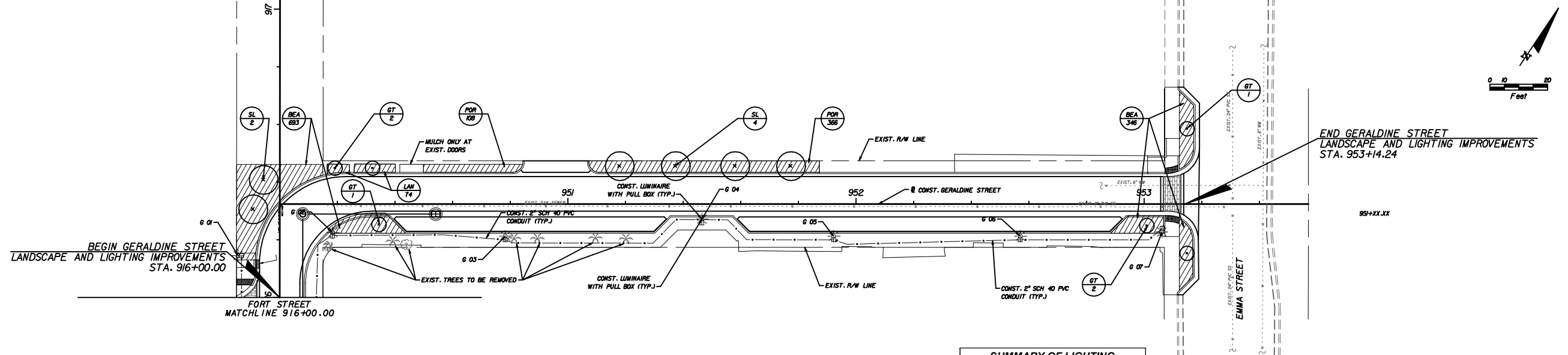
**CITY OF KEY WEST
FLORIDA**
**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

**FORT STREET
LANDSCAPE & LIGHTING**

SHEET
NO.
213



REVISIONS						 Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA		FORT STREET LANDSCAPE & LIGHTING	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			214



PHOTOMETRIC SUMMARY	
	HORIZONTAL FOOT CANDLES
AVERAGE	0.7
MAXIMUM	1.6
MINIMUM	0.3
AVERAGE MINIMUM	2.3:1
MAXIMUM MINIMUM	3.3:1

SUMMARY OF LIGHTING			
POLE DESIGNATION	STATION	OFFSET	SIDE
G 01	916+14.48	14.50	LT
G 02	950+18.32	10.00	RT
G 03	950+78.21	11.20	RT
G 04	951+46.47	5.20	RT
G 05	951+92.19	11.20	RT
G 06	952+56.97	11.20	RT
G 07	953+06.21	9.70	RT

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



**Kimley-Horn
and Associates, Inc.**
BRIAN A. GOOD, P.E.
P.E. LICENSE NUMBER 56939
445 24th STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
CERTIFICATE OF AUTHORIZATION# 00000696

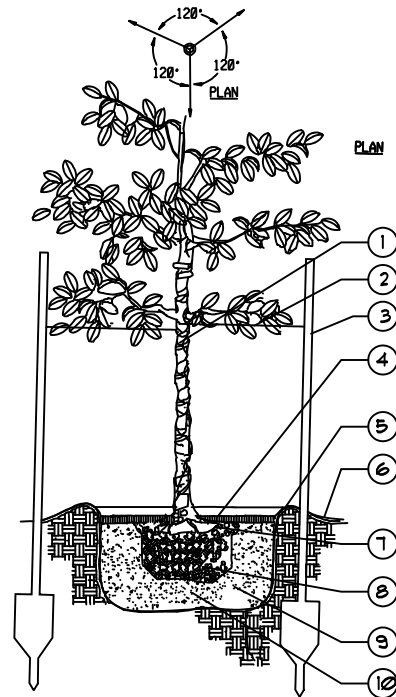
**CITY OF KEY WEST
FLORIDA**

**BAHAMA VILLAGE/TRUMAN WATERFRONT
CONNECTIVITY PROJECTS**

**GERALDINE STREET
LANDSCAPE & LIGHTING**

**SHEET
NO.

215**



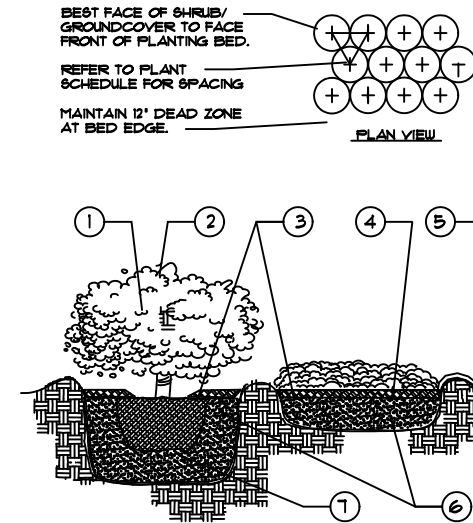
1. PROTECT TREE TRUNK WITH BLACK RUBBER HOSE.
2. #10 GAUGE WIRE (NOTE FOR MULTI-TRUNK TREES, GUY TO STRONGEST TRUNK AT CENTER).
3. THREE 6" COMMERCIAL GRADE "T" - POST SPACED EVENLY AROUND TREE.
4. 3" SHREDDED 'FLORA-MULCH' OR EQUIVALENT TAPERED TO GRADE 2' FROM TRUNK.
5. SOIL BERM TO HOLD WATER.
6. FINISHED GRADE (SEE GRADING PLAN).
7. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
8. B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
9. PREPARED PLANTING SOIL AS SPECIFIED.
10. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIA. MAY SIT ON COMPACTED EARTH.

NOTES:

- A. CONTRACTOR SHALL ENSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
- C. 'TREE SAVER' ANCHORING SYSTEM MAY BE SUBSTITUTED FOR 'T' - POST STAKING SYSTEM UPON APPROVAL BY OWNER OR LANDSCAPE ARCHITECT.

LARGE TREE PLANTING DETAIL
SECTION

N.T.S.

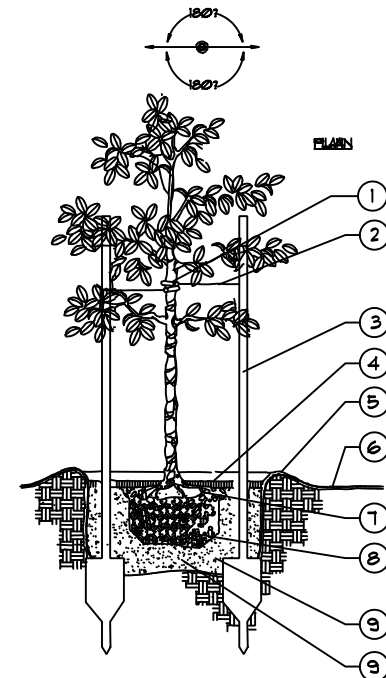


NOTES:

1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1' - 2' HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT.
3. 3" SHREDDED 'FLORA-MULCH' OR EQUIVALENT TAPERED TO GRADE 2' FROM TRUNK.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. FINISHED GRADE (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
7. SCARIFY ROOTBALL SIDES AND BOTTOM.

SHRUB / GROUNDCOVER PLANTING DETAIL
SECTION

N.T.S.



1. PROTECT TREE TRUNK WITH BLACK RUBBER HOSE.
2. #10 GAUGE WIRE (NOTE FOR MULTI-TRUNK TREES, GUY TO STRONGEST TRUNK AT CENTER).
3. TWO 6" COMMERCIAL GRADE "T" - POST SPACED EVENLY AROUND TREE.
4. 3" SHREDDED 'FLORA-MULCH' OR EQUIVALENT TAPERED TO GRADE 2' FROM TRUNK.
5. SOIL BERM TO HOLD WATER.
6. FINISHED GRADE (SEE GRADING PLAN).
7. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
8. B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
9. PREPARED PLANTING SOIL AS SPECIFIED.
10. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIA. MAY SIT ON COMPACTED EARTH.

NOTES:

- A. CONTRACTOR SHALL ENSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
- C. 'TREE SAVER' ANCHORING SYSTEM MAY BE SUBSTITUTED FOR 'T' - POST STAKING SYSTEM UPON APPROVAL BY OWNER OR LANDSCAPE ARCHITECT.

SMALL/MEDIUM TREE PLANTING DETAIL
SECTION

N.T.S.

REVISIONS						 BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696	CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	LANDSCAPE DETAILS	SHEET NO. 216
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

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ARCHITECTURAL

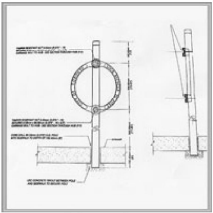
architectural specs

PRODUCT NAME: POST AND RING

Specifications

- 2 1/2" OD HOT DIPPED GALVANIZED TUBE
- GALVANIZED CAP
- RING, CAST ALUMINIUM
- TAMPER RESISTANT NUT 9.53 MM
- 3 1/4" CARRIAGE BOLT ZINK PLATED
- CORE DRILL (2.375") OD X (6") DEPTH
- INSTALLATION 24" CENTRE TO CENTRE

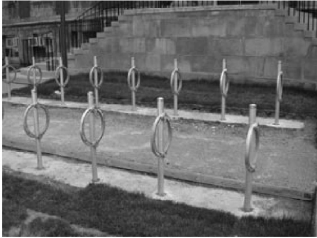




Click to Enlarge

BIKE RACK REFERENCES

Bike Rack - Post and Ring



NOTE: COLOR TO BE BLACK POWDER COAT
SEE WWW.BIKERACK.CA FOR MORE INFORMATION.

BIKE BOLLARD - POST AND RING

DETAILN.T.S.

BELSON

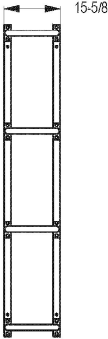
OUTDOORS

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North Aurora, IL 60542
Phone: (800) 325-5664
Fax: (830) 897-0573
sales@belson.com

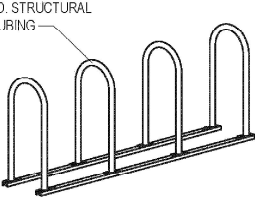
Model # UT160-8-B

Dimension Sheet

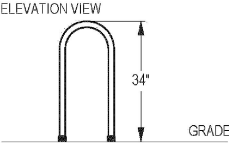
U-TWO | 4 LOOPS 8 BIKES



15'-5/8"



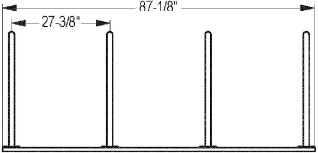
1-5/8" O.D. STRUCTURAL STEEL TUBING



ELEVATION VIEW

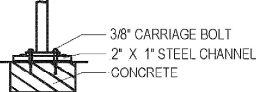
34"

GRADE



27'-3/8"

87'-1/8"



3/8" CARRIAGE BOLT

2" X 1" STEEL CHANNEL

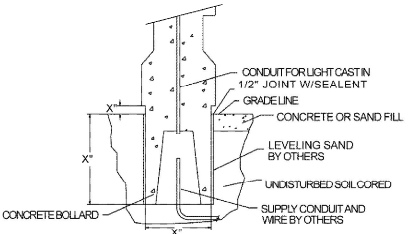
CONCRETE

NOTE: COLOR TO BE BLACK POWDER COAT

BIKE RACK - BELSON UT160-8-B

DETAILN.T.S.

ANCHOR STYLE C



CONCRETE BOLLARD

CONDUIT FOR LIGHT CAST IN 1/2" JOINT W/SEALANT

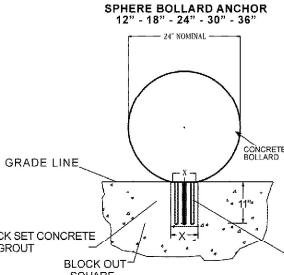
GRADELINE

CONCRETE OR SAND FILL

LEVELING SAND BY OTHERS

UNDISTURBED SOIL CORED

SUPPLY CONDUIT AND WIRE BY OTHERS



SPHERE BOLLARD ANCHOR

12" x 18" x 24" x 30" x 36"

2" NOMINAL

CONCRETE BOLLARD

GRADE LINE

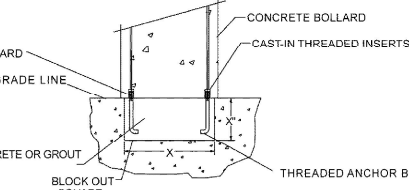
QUICK SET CONCRETE OR GROUT

BLOCK OUT SQUARE

THREADED ANCHOR BOLT

X = BLOCKOUT DIMENSION SHOULD BE 1/2" LESS THAN THE OUTSIDE OF THE SURFACE AREA TOUCHING THE GROUND.

ANCHOR STYLE A



CONCRETE BOLLARD

CAST-INTO THREADED INSERTS

GRADE LINE

QUICK SET CONCRETE OR GROUT

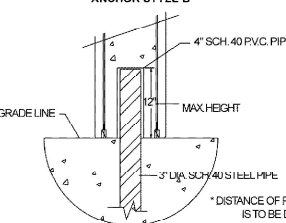
BLOCK OUT SQUARE

THREADED ANCHOR BOLT

NOTE: THIS TYPE ANCHORING IS NOT USED AS A BARRICADE. IF USING BOLLARD WITH LIGHT, RUN CONDUIT THROUGH CENTER OF BOLT PATTERN AND STUB OUT.

X = BLOCKOUT DIMENSION SHOULD BE 1/2" LESS THAN THE OUTSIDE OF THE BOLLARD

ANCHOR STYLE B



4" SCH. 40 PVC PIPE

MAX. HEIGHT

3" DIA. SCH. 40 STEEL PIPE

GRADE LINE

NOTE: THIS TYPE ANCHORING IS ALSO USED AS A BARRICADE. BOLLARD HELD IN PLACE BY STEEL PIPE STEEL PIPE MUST BE ANCHORED IN CONCRETE FOOTING

TYP. 12" DIA. CONCRETE BOLLARD SAME ANCHORING SYSTEM USED ON 14" AND 16" DIA. OR SQ. BOLLARDS

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PROVIDE EMBOSSED STREET NAME ON ALL 4 SIDES

MODEL #TF6035
IN 'WEATHERSTONE WHITE'

REVISIONS						Kimley-Horn and Associates, Inc. BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 CERTIFICATE OF AUTHORIZATION# 00000696
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| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

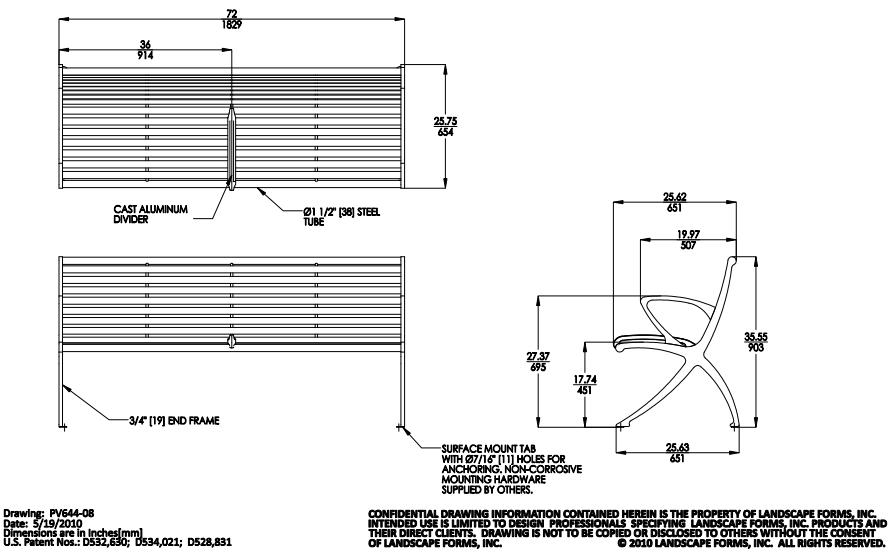
CITY OF KEY WEST FLORIDA BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS	SITE AMENITIES DETAILS	SHEET NO. 217
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Jagan.katkur1

2/25/2011

3:20:20 PM

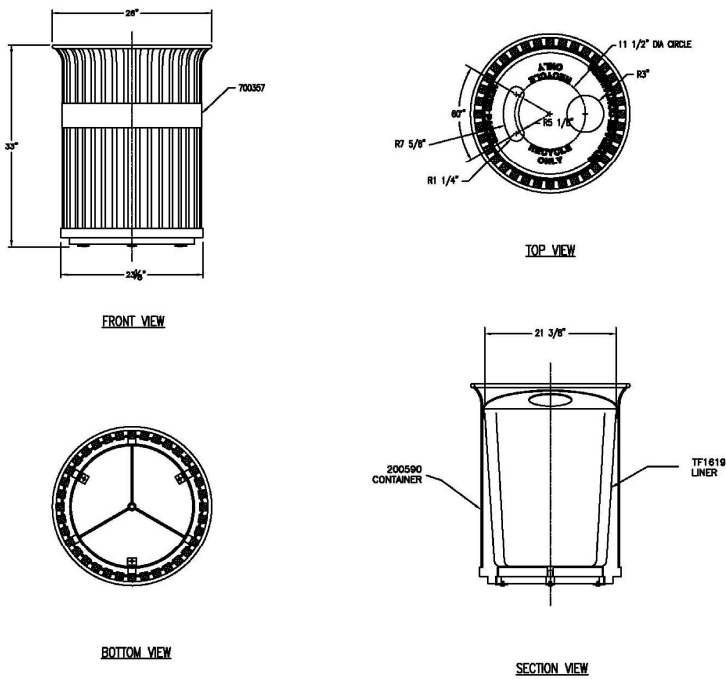
K:\VRB_Roadway\44481000-Duval\CADD\RDWY\SPDT\LA01.dgn



DECORATIVE BENCH - LANDSCAPEFORMS PARC VUE

DETAIL

N.T.S.

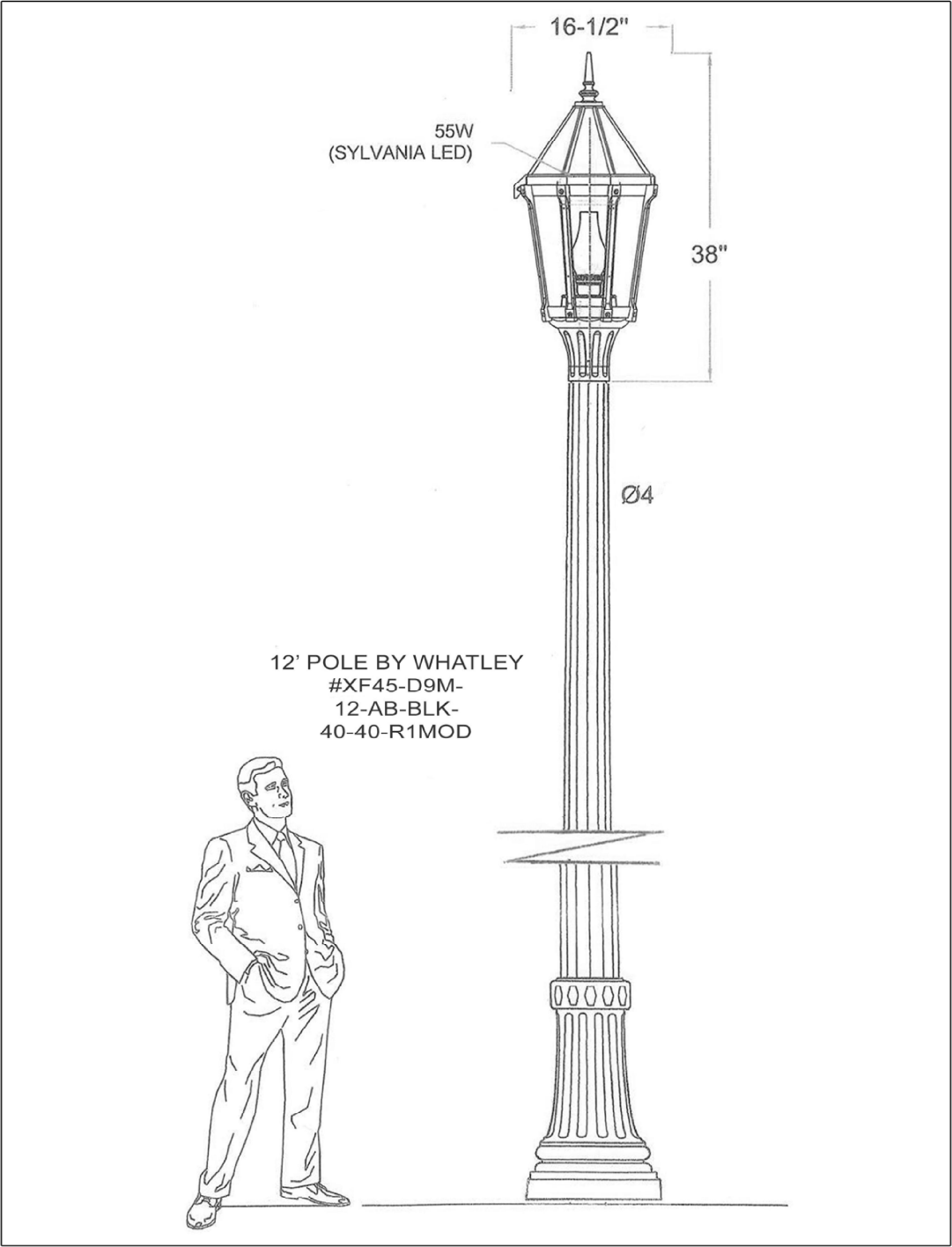


RECEPTACLE - WASAU TILE MF3221 (OR APPROVED EQUAL)

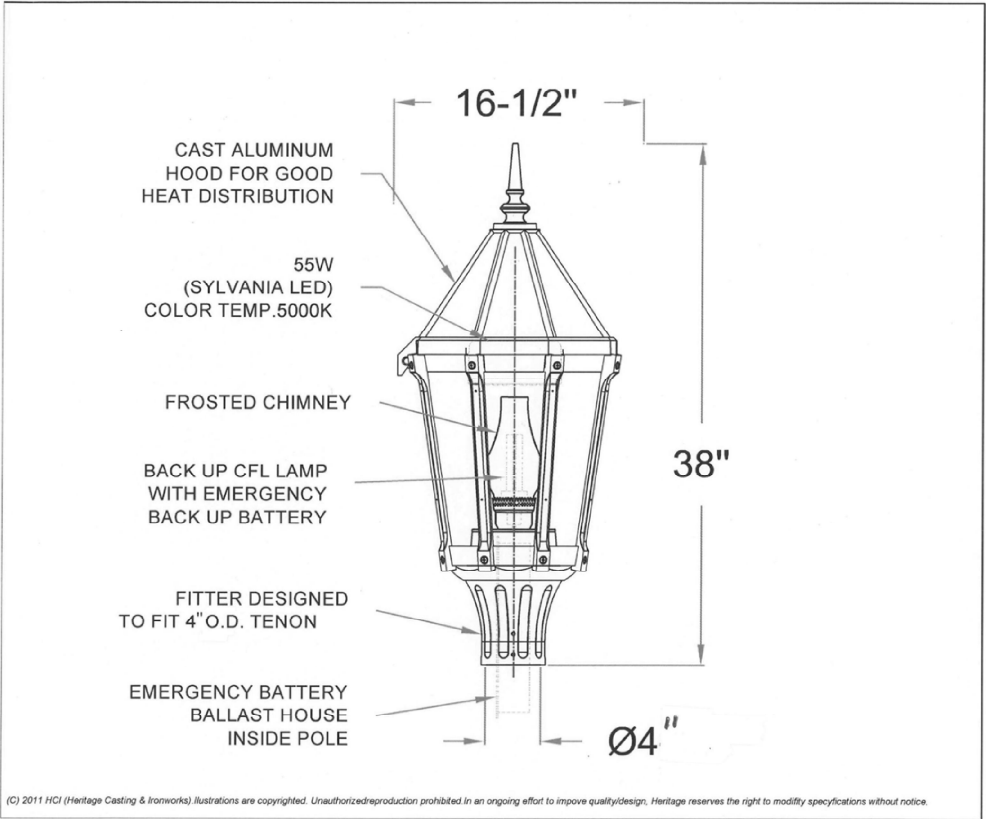
DETAIL

N.T.S.

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		BAHAMA VILLAGE/TRUMAN WATERFRONT CONNECTIVITY PROJECTS			218



LIGHT POLE - WHATLEY
DETAIL N.T.S.



Diffuser Type: Ornamental
Diffuser Material: Tempered clear glass (CTG).

Luminaire Housing: The whole luminaire is made of cast aluminum. Top is fully hinged for easy access to lamp and driver.

LED DRIVER: SYLVANIA LED high power factor mounted on removable plate. A quick disconnect wiring system allows for fast easy driver maintenance.

Wattage - 55W
Voltage - 120V-277V.

Emergency CFL Lamp:
Wattage - 26W.
Voltage - 120V-277V
Socket - GX24q-3

Optical System: Bare lamp
Light Distribution:IES Type III/V

Option: Emergency battery and ballast for CFL back up lamp.

Tenon info: 4" O.D. by 3" H

Photocontrol: None

Colour: Black

Approval Drawing
Luminaire : F126-L

Sale: Rick Designer: Webb
Date: FEB.03.2011 Drawing No: 11613(V3.0)
Model: F126-L-(6SIDE)-CTG-D-55LED-EMEBAT-
-BL5-CHY-COLOR
Project: KEY WEST
REP: POWER LIGHTING SYSTEMS
Please Note: Fabrication will not begin until this drawing is approved, signed and returned to HCI



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LUMINAIRE - HCI F126-L
DETAIL N.T.S.