PLANS FOR PROPOSED

IMPROVEMENTS TO

PROJECT #IS19002401

SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT

CITY OF KEY WEST

MONROE COUNTY

SOUTH STREET FROM SOUTHERNMOST POINT TO DUVAL STREET

WHITEHEAD STREET FROM SOUTHERNMOST POINT TO UNITED STREET

NOTE:

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

INDEX OF PLANS

SHT. No.	SHEET DESCRIPTION
R-1	KEY SHEET
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R-3	INDEX OF SHEETS
R-4	SUMMARY OF QUANTITIES
R-5	GENERAL NOTES
R-6 – R-7	TYPICAL SECTIONS
R-8 – R-11	PLAN & PROFILE
R-12	PLAZA DETAIL
R-13 – R-14	INTERSECTION LAYOUT
R-15 – R-16	SPECIAL DETAILS
R-17	SUMMARY OF DRAINAGE STRUCTURES
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R-22 – R-25	DRAINAGE STRUCTURES
R-26 – R-32	DRAINAGE DETAILS
R-33 – R-35	CROSS SECTIONS
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R-40 – R-41	UTILITY RELOCATION
R-42 – R-43	MAINTENANCE OF TRAFFIC PLANS
S-1 – S-5	SIGNING & PAVEMENT MARKING PLANS
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L-1 – L-12	LANDSCAPE PLANS
H-1 – H-6	HARDSCAPE PLANS
1, 2, & 4 OF 4	TOPOGRAPHIC ROUTE SURVEY

STANDARD DRAWINGS & SPECIFICATIONS

INDEX NO.	SHEET NO.	SHEET DESCRIPTION
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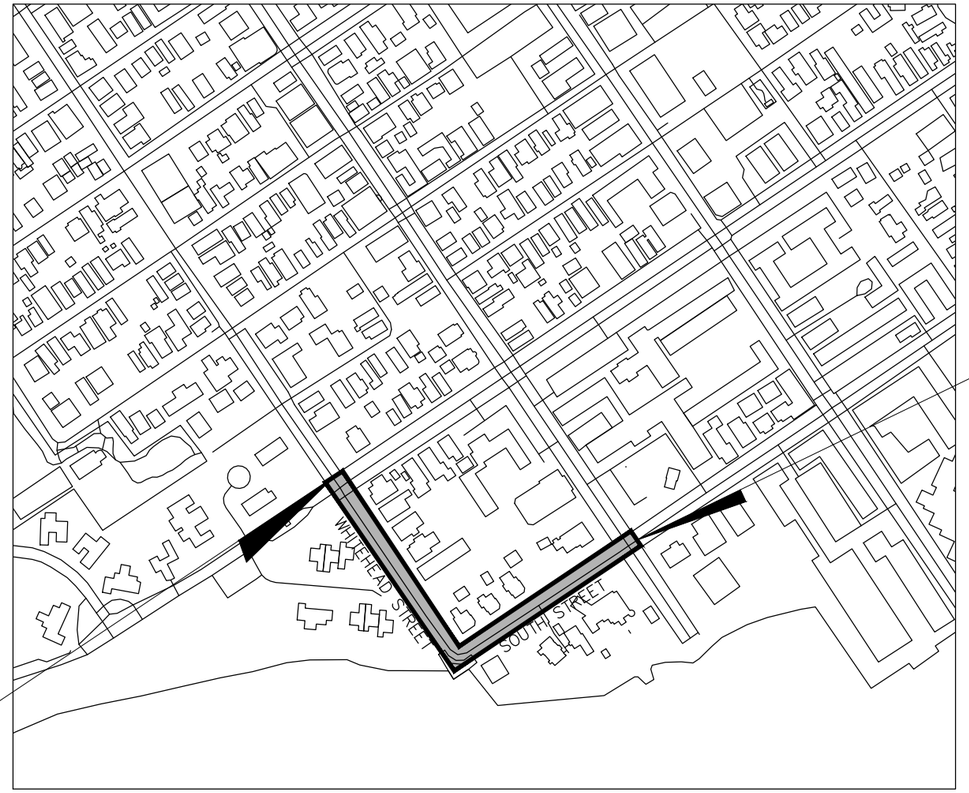
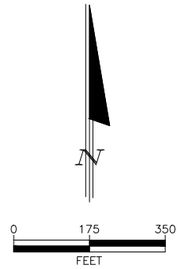
102-600	1 – 11	GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES
102-660	1 & 2	SIDEWALK CLOSURE
520-001	1 – 3	CURB AND GUTTER
522-001	1 & 2	CONCRETE SIDEWALK
522-002	1 – 7	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS
---	V-43 & V-44	SOIL TRACKING PREVENTION DEVICE DETAIL
---	1	TYPICAL SIGN DETAIL
---	1	DRAINAGE WELL REHABILITATION SPECIFICATIONS





END PROJECT
STA. 309+70.63, ℄ SOUTHERNMOST POINT =
STA. 504+62.31, 4.5' LT., ℄ SURVEY SOUTH STREET

BEGIN PROJECT
STA. 300+42.56, ℄ SOUTHERNMOST POINT =
N: 78646.96 E: 390813.34

LENGTH OF JOB		
	LIN. FT.	MILES
ROADWAY	935.25	0.18
BRIDGE		
GROSS LENGTH OF JOB	935.25	0.18
EXCEPTIONS		
NET LENGTH OF JOB	935.25	0.18

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS (2018), THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARD PLANS (2023-2024), AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (2023-2024), AS AMENDED BY CONTRACT DOCUMENTS.

FINAL PLANS SUBMITTAL

JANUARY 2026

ROADWAY ENGINEER OF RECORD:

ANDREW JAMES LIST P.E.
P.E. LICENSE NUMBER 87190
BCC ENGINEERING, LLC.
6401 SW 87TH AVENUE, SUITE 200
MIAMI, FLORIDA 33173

CITY PROJECT MANAGER

KEITH BRING
PROJECT MANAGER ENGINEERING DEPARTMENT
CITY OF KEY WEST
(305) 809-3866
Keith.Bring@cityofkeywest-fl.gov

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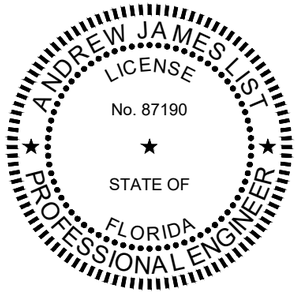
CITY OF KEY WEST
ENGINEERING DEPARTMENT

1300 WHITE STREET
KEY WEST, FLORIDA 33040

SHEET NO.
R-1

H:\Projects\1022272.01 City of Key West Streetscape - Southernmost Point Plaza\8-CAD\Roadway\01-COVER-SHEET.dwg Jan 12, 2026 - 9:20am SPLANOS



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Andrew J List 2026.01.28 12:56:18 -05'00'

ON THE DATE ADJACENT TO THE SEAL.
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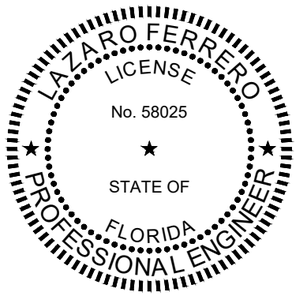
BCC Engineering, LLC
6401 SW 87th Avenue, Suite 200
Miami, Florida 33173
Andrew James List, PE. NO. 87190

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

R-1	KEY SHEET
R-2	SIGNATURE SHEET
R-3	INDEX OF SHEETS
R-4	SUMMARY OF QUANTITIES
R-5	GENERAL NOTES
R-6 - R-7	TYPICAL SECTIONS
R-8 - R-11	PLAN & PROFILE
R-12	PLAZA DETAIL
R-13 - R-14	INTERSECTION LAYOUT
R-15 - R-16	SPECIAL DETAILS
R-33 - R-35	CROSS SECTIONS
R-36 - R-39	UTILITY ADJUSTMENTS
R-42 - R-43	MAINTENANCE OF TRAFFIC PLANS



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Lazaro Ferrero
2026.01.26 14:26:25-05'00'

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BCC Engineering, LLC
6401 SW 87th Avenue, Suite 200
Miami, Florida 33173
Lazaro Ferrero, PE. NO. 58025

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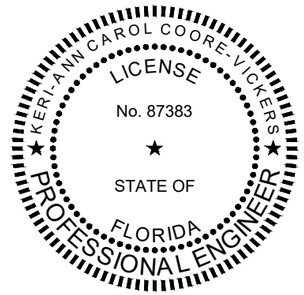
R-2	SIGNATURE SHEET
R-17	SUMMARY OF DRAINAGE STRUCTURES
R-18 - R-21	DRAINAGE PLANS
R-22 - R-25	DRAINAGE STRUCTURES
R-26 - R-32	DRAINAGE DETAILS



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Keri-Ann C Coore-Vickers 2026.01.26 14:38:57 -05'00'

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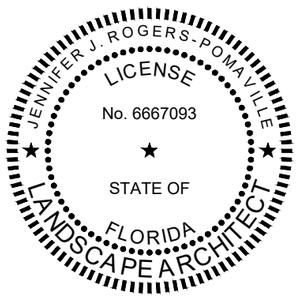
BCC Engineering, LCC
6401 SW 87th Avenue, Suite 200
Miami, Florida 33173
Keri-Ann Carol Coore-Vickers, PE. NO. 87383

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

R-2	SIGNATURE SHEET
S-1 - S-5	SIGNING & PAVEMENT MARKING PLANS



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Jennifer Rogers-Pomaville
01/28/2026

ON THE DATE ADJACENT TO THE SEAL.
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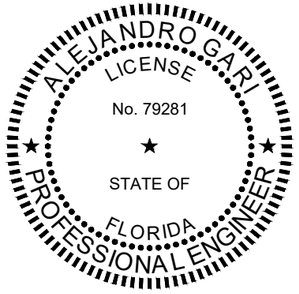
Curtis + Rogers Design Studio Inc.
7520 S. Red Road, Suite M
South Miami, Florida 33143
Jennifer J. Rogers-Pomaville, R.L.A. NO. 6667093

R-2	SIGNATURE SHEET
L-1 - L-12	LANDSCAPE PLANS
H-1 - H-7	HARDSCAPE PLANS



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Alejandro Gari
2026.01.27 20:21:09-05'00'

ON THE DATE ADJACENT TO THE SEAL.
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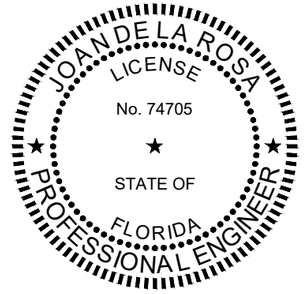
Parsons Corporation
8333 NW 53rd St.
Doral, Florida 33166
Alejandro Gari, PE. NO. 79281

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

R-2	SIGNATURE SHEET
R-40 - R-41	UTILITY RELOCATION
LT-1 - LT-10	LIGHTING PLANS



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Joan De La Rosa 2026.01.27 11:28:06 -05'00'

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BCC Engineering, LCC
6401 SW 87th Avenue, Suite 200
Miami, Florida 33173
JOAN DE LA ROSA, PE. NO. 74705

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

R-2	SIGNATURE SHEET
LT-11	LIGHT POLE FOUNDATIONS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
P.E. License No. 87190
6401 SW 87 Ave, Suite 200
Miami, Florida 33173
Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SIGNATURE SHEET

SHEET NO. R-2

PLOT DATE: 11/20/2025 9:55 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\B-CAD\ROADWAY\SIGNRD01.DWG

INDEX OF SHEETS

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8-11 (R-8 - R-11)	PLAN & PROFILE
12 (R-12)	PLAZA DETAIL
13-14 (R-13 - R-14)	INTERSECTION LAYOUT
15-16 (R-15 - R-16)	SPECIAL DETAILS
17 (R-17)	SUMMARY OF DRAINAGE STRUCTURES
18-21 (R-18 - R-21)	DRAINAGE PLAN
22-25 (R-22 - R-25)	DRAINAGE STRUCTURES
26-32 (R-26 - R-32)	DRAINAGE DETAILS
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40-41 (R-40 - R-41)	UTILITY RELOCATION
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45-48 (S-2 - S5)	SIGNING AND PAVEMENT MARKING PLANS
49 (LT-1)	LIGHTING PLANS POLE DATA - GENERAL NOTES
50-53 (LT-2 - LT-5)	LIGHTING PLANS
54-57 (LT-6 - LT-9)	PHOTOMETRIC PLANS
58 (LT - 10)	ELECTRICAL POWER SERVICE DETAIL
59 (LT - 11)	LIGHT POLE FOUNDATION
60 (L-1)	TREE DISPOSITION PLAN & LIST
61-63 (L-2 - L-4)	TREE DISPOSITION PLAN
64 (L-5)	TREE PROTECTION DETAILS & NOTES
65 (L-6)	TREE RELOCATION NOTES
66 (L-7)	PLANTING NOTES
67-70 (L-8 - L11)	PLANTING PLAN
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72 (H-1)	HARDSCAPE NOTES
73-75 (H-2 - H-4)	HARDSCAPE PLAN
76 (H-5)	HARDSCAPE PLAN & DETAILS
77 (H-6)	FURNISHINGS DETAILS
1, 2, & 4 OF 4	TOPOGRAPHIC ROUTE SURVEY

PLOT DATE: 1/12/2026 1:02 PM
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
P.E. License No. 87190
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Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

INDEX OF SHEETS

SHEET NO. R-3

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS.	1
104-15	SOIL TRACKING PREVENTION DEVICE	EA	2
104-18	INLET PROTECTION SYSTEM	EA	5
107-1	LITTER REMOVAL	AC	0.98
*	DEMOLITION	LS/AC	0.62
110-4-10	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	1737
120-1	REGULAR EXCAVATION	CY	11
120-6	EMBANKMENT	CY	359
285-704**	LIMEROCK STABILIZED BASE (LBR 100) - 6" (STABILIZATION)	SY	2802
285-706	OPTIONAL BASE, BASE GROUP 6, TYPE B-12.5	SY	2349
327-70-05	MILLING EXISTING ASPHALT PAVEMENT (2" AVG. DEPTH)	SY	501
334-1-12	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B	TN	317
425-11	INLET, MODIFY	EA	1
425-1201	INLETS, GUTTER, TYPE 9, <10'	EA	13
425-1203	INLETS, GUTTER, TYPE 9, J BOT <10'	EA	2
425-1-312A	INLET TOP, TYPE P-11, <10'	EA	2
425-2-41	MANHOLES, P-7, <10'	EA	4
425-2-71	MANHOLE, J-7, <10'	EA	2
425-2-74	MANHOLE, J-7, <10' CONTROL STRUCTURE	EA	1
425-4	INLETS, ADJUST	EA	1
425-5-1	MANHOLE, ADJUST	EA	6
425-6	VALVE BOXES, ADJUST	EA	53
430-17-41-18	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	319
430-17-41-24	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	598
430-941	DESILT PIPE, 0-24"	LF	48
444-7211	DEEP WELL CLEANING, 24"	LF	120
520-1-10	CONCRETE CURB AND GUTTER (TYPE "F")	LF	1761
520-2-4	CONCRETE CURB, TYPE D	LF	52
527-2	DETECTABLE WARNING	SF	89
700-1-111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	EA	25
700-1-600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA	23
706-1-110	RAISED PAVEMENT MARKER, TYPE F INTERNALLY ILLUMINATED	EA	34
710-11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.337
710-11-121	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, FOR PARKING SPACES, 6"	LF	84
710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	264
710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	69
710-11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	13
710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.090
710-11-231	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM	0.102
710-11-421	PAINTED PAVEMENT MARKINGS, STANDARD, BLUE, SOLID FOR PARKING LOT- ACCESSIBLE MARKINGS, 6"	LF	31
710-12-290	PAINTED PAVEMENT MARKINGS, DURABLE PAINT, YELLOW, ISLAND NOSE	SF	4
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
711-11-121	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6" FOR PARKING SPACES	LF	84
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	264
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	69
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	13
711-11-421	THERMOPLASTIC, STANDARD, BLUE, SOLID, 6"	LF	31
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	8
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.337
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.090
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.102
	DECORATIVE CROSSWALKS	SF	491
NS-1	STRIPING-SOLID 6" RED (CURB)	LF	20
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1704
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	47
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	22
639-1-122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1
639-3-11	ELECTRICAL SERVICE (Includes Nema-3R Disconnect Switch) POLE CONDUIT	AS	1
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED NO. 8-6	LF	5359
715-7-11	LOAD CENTER, F&I SECONDARY VOLTAGE	EA	1
715-500-11	POLE CABLE DISTRIBUTION SYSTEM, F&I, ALTERNATE SYSTEM, CONVENTIONAL	EA	17
715-6-1100	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 12' MOUNTING HEIGHT, 0' ARM	EA	17
	LARGE CANOPY TREES	EA	9
	MEDIAN CANOPY TREES	EA	17
	CABBAGE PALMS	EA	1
	THRINAX PALMS	EA	5
	MEDJOOL DATE PALMS	EA	3
	SHRUBS/GROUNDCOVERS	EA	72
	TRUCK WATERING 2 MONTHS - 8 DAYS OF WATER - REFILL BAGS 1X WEEK	DAY	8
	TREE REMOVALS 1 SMALL, ONE MEDIUM, AND ONE LARGE, 3 PALMS	LS	1
	TREE PROTECTION FENCING	LF	75
	PALM RELOCATIONS	EA	21
	TREE RELOCATIONS 2 SMALL	EA	2
	STANDARD CONCRETE SIDEWALK 4" DEPTH	SY	1175
	SPECIALTY CONCRETE SIDEWALK 4" DEPTH	SF	1756
***	STANDARD CONCRETE DRIVEWAY 6" DEPTH	SF	3494
	FLEXI-PAVE	SF	1370
	PLANTERS	LF	66
	REMOVABLE BOLLARDS	EA	3
	TRASH RECEPTACLES	EA	9
	BIKE RACKS	EA	2
	CONCRETE BENCHES	EA	11

ITEM NO. NOTES

102-1 INCLUDES ALL ITEMS FOR MAINTENANCE OF TRAFFIC WHICH ARE NOT INCLUDED FOR PAYMENT UNDER SEPARATE ITEMS. INCLUDES PEDESTRIAN MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. INCLUDES TEMPORARY PAVEMENT MARKINGS AND TAPE, SIGNAGE AND RAISED PAVEMENT MARKERS.

104-18 IS ESTIMATED FOR PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION AND ARE TO BE USED AT LOCATIONS DESIGNATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

107-1 PROVIDE PICKUP, REMOVAL AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS FROM THE OUTSIDE EDGE OF TRAVEL WAY TO THE RIGHT-OF-WAY LINE. LITTER INCLUDES, BUT IS NOT LIMITED TO BOTTLES, CANS, PAPER, TIRES, TIRE PIECES, LUMBER, VEHICLE PARTS, METAL JUNK AND BUSH DEBRIS.

110-4-10 INCLUDES REMOVAL AND DISPOSAL OF EXISTING CURB & GUTTER AND CONCRETE SIDEWALKS AS REQUIRED FOR NEW CONSTRUCTION.

425-6 ADJUST VALVES, METERS, CLEANOUTS, UTILITY BOXES AS SHOWN IN THE PLANS TO BE ADJUSTED OR REQUIRING ADJUSTMENT FOR THE SATISFACTORY COMPLETION OF THE WORK.

520-1-10 MODIFIED TYPE F CURB AND MODIFIED DROP CURB CONSTRUCTION AND INSTALLATION IS INCIDENTAL AND INCLUDED IN THE COST OF THE CONCRETE.

527-2 SHALL BE SAND-SET BRICKS, INCLUDES ALL LABOR, SURFACE PREPARATION, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK. CITY OF KEY WEST REQUIRES ENDICOTT CLAY PAVERS, (4"X8"X2.25", ROSE BLEND COLOR).

* ITEM NUMBER INCLUDES REMOVAL AND DISPOSAL OF ALL VEGETATION, DEBRIS, DRAINAGE STRUCTURES, FLEXIBLE PAVEMENT, BUILDINGS OR ANY OTHER OBSTRUCTIONS IN ALL AREAS WHERE EXCAVATION IS TO BE DONE, OR WHERE EMBANKMENTS OR STRUCTURES WILL BE CONSTRUCTED. THIS INCLUDES ROADWAY AREA, DITCH AREA, BORROW AND MATERIAL PITS, AND AREAS WHERE CULVERTS OR PIPE LINES WILL BE CONSTRUCTED. TO BE PRICED UNDER ITEM NUMBER 110-1-1.

** ITEM NUMBER 285-704, OPTIONAL BASE GROUP 4, IS SIMILAR TO THE LIMEROCK STABILIZED BASE (LBR 100)

*** 6" CONCRETE TO BE PLACED WITHIN LIMITS OF CURB RAMPS WITHIN RADIUS RETURNS, SIDEWALKS WITHIN DRIVEWAYS, AND DRIVEWAYS. INCLUDES CONCRETE PAVEMENT IN PARKING AREAS (IF APPLICABLE).

ALL QUANTITIES REFLECTED ARE ESTIMATES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CALCULATE AND VERIFY ALL QUANTITIES.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

bac engineering
Andrew James List, P.E.
P.E. License No. 87190
6401 SW 87 Ave. Suite 200
Miami, Florida 33173
Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SUMMARY OF QUANTITIES

SHEET NO. R-4

PLOT DATE: 1/12/2026 11:27 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\04-SUMM-QNTS.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING ANY WORK UNDER THIS CONTRACT AND NOTIFY THE ENGINEER IN WRITING OF ANY DIFFERENCES BEFORE COMMENCING WITH ANY CONSTRUCTION.

2. HORIZONTAL COORDINATES ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM. VERTICAL ELEVATIONS ARE BASED ON NGVD 1929 DATUM AS PROVIDED IN THE TOPOGRAPHIC ROUTE SURVEY SHEETS.

3. EXISTING DRAINAGE STRUCTURES AND ALL UTILITIES PUBLIC OR PRIVATE WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.

4. ALL STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND AND DEBRIS DURING CONSTRUCTION. ANY ACCUMULATION WITHIN THE STORM DRAINAGE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING INTO SURFACE WATERS. STORM DRAINAGE SYSTEM SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO FINAL ACCEPTANCE.

5. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW-OFF STRUCTURE WITHOUT FIRST OBTAINING A CONSTRUCTION METER FROM THE FLORIDA KEYS AQUEDUCT AUTHORITY.

6. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS :

   KEITH M. CHEE-A-TOW, P.L.S.
   Florida Registration No.: 5328
   AVIROM & ASSOCIATES, INC.
   50 S.W. 2nd AVENUE, SUITE 102
   BOCA RATON, FL 33432
   L.B. No. 330

7. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN ON THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNER TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS AS REQUIRED. THIS SHALL BE ACCOMPLISHED PRIOR TO ORDERING DRAINAGE STRUCTURES.

   IDENTIFIED UTILITY / AGENCY OWNERS:

COMPANY	CONTACT	TELEPHONE
A.T.T. FLORIDA	FARIBORZ FAKHRALSHOARA	(786) 478-2964
COMCAST	LEONARD MAXWELL-NEWBOLD	(954) 447-8405
F.K.A.A.	MARNIE WALTERSON	(305) 295-2154
KEYS ENERGY SERVICES	MATTHEW ALFONSO	(305) 295-1055
O.M.I. (KEY WEST SEWER DEPT)	MATT WILLMAN	(305) 809-3721

8. UTILITY ADJUSTMENTS INCLUDE THE COST OF REMOVAL AND REPLACEMENT OF NEW PULL BOXES FOR WATER METERS, WATER VALVES, AND SEWER CLEAN OUTS. CONTRACTOR IS RESPONSIBLE FOR PROCUREMENT AND INVENTORY OF ALL UTILITY PULL BOXES PRIOR TO CONSTRUCTION. COST OF PULL BOXES ARE INCIDENTAL AND INCLUDED IN THE COST OF THE UTILITY ADJUSTMENT, (ITEM #425-6, 53 EA). CONTRACTOR MUST COORDINATE WITH THE CITY OF KEY WEST FOR THE NECESSARY PULL BOX INVENTORY TO BEGIN WATER METER AND WATER VALVE (FKAA) ADJUSTMENTS.

9. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION IN THE FIELD PRIOR TO INSTALLING ANY NEW WORK THAT CROSSES OR CONNECTS TO EXISTING UTILITY SYSTEMS. LOCATIONS OF NEW UTILITIES SHALL BE ADJUSTED IN A MANNER APPROVED BY THE ENGINEER TO AVOID CONFLICTS. DAMAGES TO UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE CITY.

10. ALL CONCRETE SIDEWALK JOINTS SHALL BE TOOLED WITHOUT EXPANSION JOINTS. EXPANSION MATERIAL MUST BE PLACED AT ALL EXISTING CONCRETE INTERFACES AND FORM MATERIAL MUST BE USED TO ACT AS BUFFER WITH ANY OTHER OBSTRUCTIONS, (WOOD FENCES. RAILING, GATES, ETC.) AT BACK OF SIDEWALK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THAT OCCURS TO ANY EXISTING RIGHT-OF-WAY LINE FEATURES (WALLS, GATES, FENCES, ETC.) WHEN REMOVING THE CONCRETE SIDEWALK OR DRIVEWAYS. RIGHT-OF-WAY LINE FEATURES MUST BE REPLACED OR REPAIRED TO THE EXISTING CONDITION PRIOR TO SIDEWALK REMOVAL.

11. CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING AND RECEIVING CONSENT FROM PRIVATE RESIDENTS AND/OR BUSINESS OWNERS FOR THE GRADE HARMONIZATION OF THEIR DRIVEWAYS. GRADE HARMONIZATION IS INCIDENTAL AND INCLUDED IN THE COST OF THE CONCRETE, (ITEM #522-2), THIS INCLUDES BUT IS NOT LIMITED TO THE REMOVAL AND REPLACEMENT OF BRICK PAVERS AND/OR CONCRETE NECESSARY TO MAKE FINISH PRODUCT SATISFACTORY AND AS DIRECTED BY THE ENGINEER.

12. THE CONTRACTOR SHALL SEQUENCE OPERATIONS SUCH THAT ORANGE MESH SAFETY FENCING IS PROVIDED ALONG ALL AREAS BEING TRENCHED AND NO TRENCH IS LEFT OPEN AT THE END OF THE WORK DAY. THE LOCATIONS IDENTIFIED IN THESE ROADWAY PLANS AS "PAVEMENT RESTORATION AREA" WILL FOLLOW CITY DETAIL NO. 21 – FAILED TRENCH RESTORATION. EXACT LOCATIONS OF FAILED TRENCH REPAIR TO BE FIELD DETERMINED.

13. CONTRACTOR TO REMOVE PAY TO PARK PAY STATION CONSOLE AND BASE PLATE AND STORE FOR REINSTALLATION; FINAL LOCATION TO BE REVIEWED IN FIELD WITH CITY PRIOR TO REINSTALLATION. COST OF REMOVAL AND STORAGE OF PAY TO PARK CONSOLE AND BASE PLATE IS INCIDENTAL AND INCLUDED IN THE COST OF THE CONCRETE (ITEM # 522-1). COORDINATE TO DELIVER TO THE CITY OF KEY WEST PARKING DEPARTMENT DIRECTOR WITH THE CONTRACTOR COORDINATING WITH THE PROJECT MANAGER.

14. ALL ITEMS INDICATING TO BE REMOVED OR DEMOLISHED SHALL BE REVIEWED WITH THE OWNER TO DETERMINE IF THE ITEM IS TO BE PROPERTY OF THE CONTRACTOR.

15. THE CONTRACTOR IS RESPONSIBLE TO VERIFY AND/OR OTHERWISE SATISFY HIMSELF THAT THE QUANTITIES SHOWN IN THE PLAN SET ARE ACCURATE. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CITY OF KEY WEST IMMEDIATELY AND PRIOR TO BEGINNING CONSTRUCTION.

16. ALL WORK ASSOCIATED WITH THIS PROJECT IS TO BE PERFORMED WITHIN THE RIGHT-OF-WAY LIMITS AS DEPICTED ON THE PLAN SHEETS, OR AS DIRECTED BY THE CITY OF KEY WEST.

17. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE CITY OF KEY WEST WITHOUT DELAY.

18. SIDEWALK AND CURBING TO REMAIN SHALL BE PRESSURE WASHED.

19. SEE SIGNALING AND PAVEMENT MARKING SHEETS AND LIGHTING SHEETS FOR ADDITIONAL GENERAL NOTES.

20. PRIOR TO ANY CONSTRUCTION OR FABRICATION THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL CONSTRUCTION RELATED ITEMS. CONSTRUCTION MAY PROCEED ONCE THE SHOP DRAWINGS HAVE BEEN APPROVED BY THE ENGINEER.

21. IF SHEETING, SHORING, OR DEWATERING, INCLUDING WELL POINTS ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE, OR PROPERTY AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS. COST OF SHEETING, SHORING OR DEWATERING SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.

22. THE SIDEWALK AT DRIVEWAY TURNOUTS SHALL BE 6" CONCRETE.

23. CONTRACTOR SHALL CONSTRUCT BUOY ENCAPSULATION STRUCTURE TO PROTECT BUOY DURING CONSTRUCTION FOR THE ENTIRETY OF THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THE BUOY RESULTING FROM THE CONTRACTOR'S OPERATIONS AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE CITY. A SHOP DRAWING OF THE ENCAPSULATION STRUCTURE WILL BE REQUIRED AS A PROJECT SUBMITTAL FOR REVIEW AND APPROVAL BY THE CITY OF KEY WEST ENGINEERING DEPARTMENT. THE SEAWALL PROJECT WILL BE REQUIRED TO PROVIDE THE SAME, AND COORDINATION BETWEEN CONTRACTORS MAY BE REQUIRED FOR ENCAPSULATION AND COULD BE OMITTED FROM THIS PROJECT DEPENDING ON THE SCHEDULING OF BOTH PROJECTS.

24. THE CONTRACTOR SHALL NOT DAMAGE OR DISPOSE OF ANY ITEMS THE CITY OF KEY WEST WISHES TO KEEP SUCH AS ANY HISTORICAL PLAQUES, PARKING KIOSKS, STATUES. TRASH/RECYCLE RECEPTACLES...ETC. CONTRACTOR SHALL COORDINATE WITH THE CITY BEFORE CONSTRUCTION TO IDENTIFY THESE ITEMS.

25. PROJECT LIMITS ARE ADJACENT TO FEDERAL US NAVY PROPERTY AND ALL CONTRACTOR AND SUB-CONTRACTOR PERSONNEL MAY BE SUBJECT TO SUBMIT A RESUME AND A SECURITY CLEARANCE REQUEST.

26. CONTRACTOR TO USE EXISTING WELL FOR DEWATERING IF NECESSARY. CONTRACTOR TO DETERMINE REHABILITATION OF WELL BEFORE OR AFTER PROJECT RESTORATION. FILTRATION SHALL MEET WATER QUALITY REQUIREMENTS.

27. ALL DRAINAGE GRATES SHALL BE OF BICYCLE-SAFE DESIGN PER APPLICABLE STANDARDS.

EROSION CONTROL NOTES

1. EROSION, SEDIMENT, AND TURBIDITY CONTROL MEASURES SHALL BE PROVIDED THROUGHOUT CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND REPAIRING ALL SLOPES AND SURFACES THROUGHOUT CONSTRUCTION AND UNTIL A STABLE SURFACE CONDITION EXISTS. THE CONTRACTOR SHALL MINIMIZE THE EXPOSED AREA AT ANY POINT DURING CONSTRUCTION AS MUCH AS PRACTICAL.

2. FILTER FABRIC SILT FENCE SHALL BE IN CONFORMANCE WITH SECTION 985, FDOT SPECIFICATION.

3. PROVIDE EROSION CONTROL MEASURES AS NECESSARY TO AVOID ADVERSE IMPACTS TO JURISDICTIONAL AREAS (WETLANDS OR WATER BODIES) AND OFFSITE LANDS AND WATER BODIES. MAINTAIN THESE MEASURES DAILY UNTIL CONSTRUCTION ACCEPTANCE BY THE OWNER AND THEN REMOVE AND LEGALLY DISPOSE OF SAID MEASURES.

4. EROSION CONTROL SHALL BE MAINTAINED WITHIN CONSTRUCTION AREA BY QUICKLY STABILIZING DISTURBED AREA TO PREVENT THE RELEASE OF SEDIMENT. THIS SHALL BE ACCOMPLISHED USING GRASS COVER, HAY BALES AND OTHER MEANS ACCEPTABLE TO OWNER, ENGINEER AND REGULATORY AGENCIES.

5. ALL SURFACE WATER DISCHARGE FROM SITE, INCLUDING DEWATERING DISCHARGE, SHALL MEET STATE WATER QUALITY STANDARDS (LESS THAN 29 NTU ABOVE BACKGROUND) PRIOR TO REACHING ANY WATER OF THE STATE INCLUDING WETLAND.

6. IN THE EVENT THAT THE EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THESE PLANS PROVE NOT TO BE EFFECTIVE, ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARDS FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED. ANY ALTERNATE EROSION PREVENTION AND CONTROL DEVICES MUST BE APPROVED BY THE CITY OF KEY WEST.

TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL DEVELOP A DETAILED MAINTENANCE OF TRAFFIC PLAN BASED ON THE SITE SPECIFIC MEANS AND METHODS OF CONSTRUCTION. THE DETAILED PLANS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY PRIOR TO ANY CONSTRUCTION ACTIVITIES. TRAFFIC PLAN SHALL BE IN CONFORMANCE WITH FDOT STANDARD PLANS 102-600 SERIES.

2. TEMPORARY TRAVEL LANES SHALL BE 10 FEET MINIMUM WIDTH.

3. ACCESS TO ALL SIDE STREETS AND DRIVEWAYS MUST BE PROVIDED AND MAINTAINED DURING CONSTRUCTION. ACCESS TO BUSINESS ENTRANCES SHALL BE MAINTAINED DURING SIDEWALK CONSTRUCTION. COORDINATE WITH THE NAVAL AIR STATION KEY WEST TO ENSURE ACCESS IS MAINTAINED AT ALL TIMES TO THE GATE AT THE WEST END OF UNITED STREET AT WHITEHEAD STREET.

4. PEDESTRIAN, BICYCLE, BUS AND TROLLEY ACCESS SHALL BE MAINTAINED OR DETOURED.

5. WORK HOURS ARE FROM 8:00 AM TO 7:00 PM, MONDAY- FRIDAY. WORK WILL NOT BE ALLOWED ON WEEKENDS OR HOLIDAYS OBSERVED BY THE CITY OF KEY WEST UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE CITY.

6. ALL TRAFFIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH FDOT INDEX 102-600 SHEET 6 OF 11. PLYWOOD CONTRACTOR FABRICATED SIGNAGE WILL NOT BE ALLOWED.

7. MAINTAIN THE EXISTING POSTED SPEED OF 20 MPH DURING CONSTRUCTION.

8. CONTRACTOR SHALL RESTORE ALL DROP OFF CONDITIONS WITHIN THE CLEAR ZONE AFTER EACH WORK PERIOD.

9. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE OR DETOUR BY COORDINATING WITH CITY OF KEY WEST ENGINEERING DEPARTMENT.

10. SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT MAJOR ENTRANCES INTO UNSTABILIZED AREAS OF THE CONSTRUCTION SITE. AGGREGATES SHALL BE AS DESCRIBED IN FDOT STANDARD SPECIFICATION SECTION 901, EXCLUDING 901-2.3, AND SHALL BE FDOT SIZE #1.

LEGEND
- MILLING AND RESURFACING
- TREE WELL
- DETECTABLE WARNINGS
- SEAWALL RESTORATION (BY OTHERS)
- TRAFFIC CONTROL WORKZONE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
P.E. License No. 87190
6401 SW 87 Ave, Suite 200
Miami, Florida 33173
Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

GENERAL NOTES

SHEET NO. R-5

PLOT DATE: 1/12/2026 9:20 AM

FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\03-GNRL-NOTES.DWG

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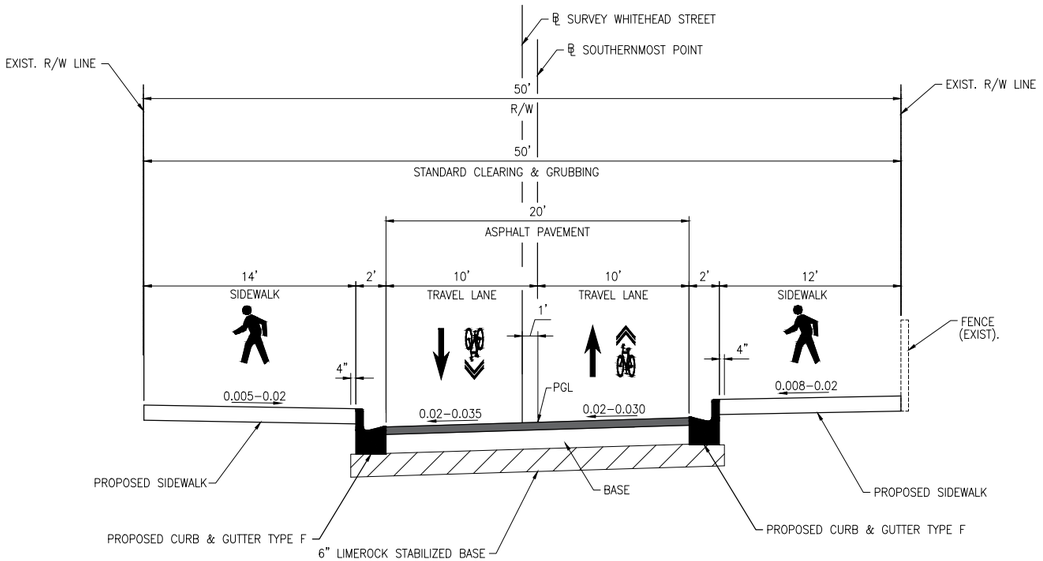
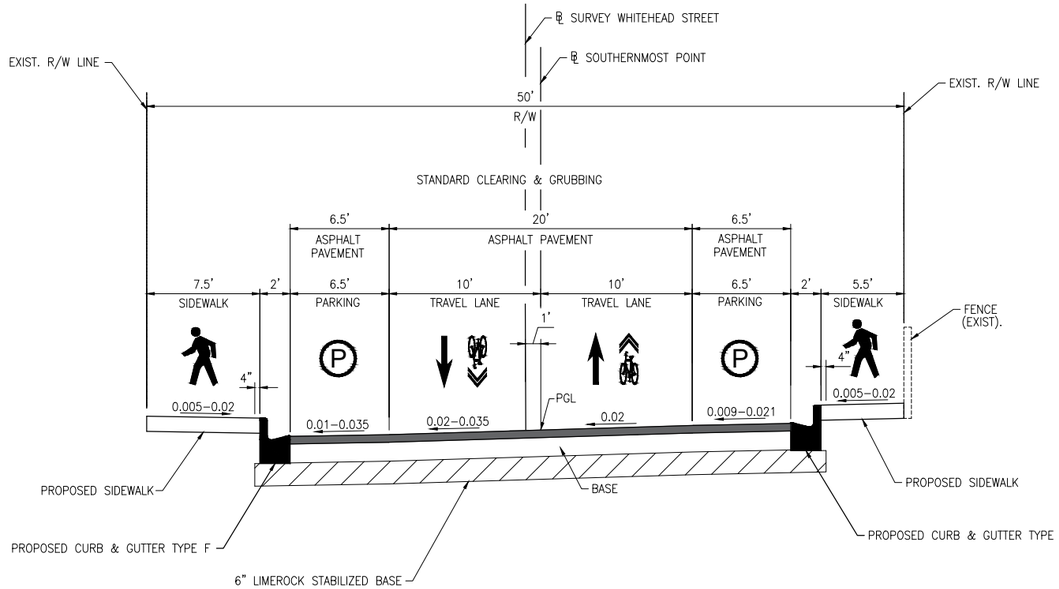


TYPICAL SECTION
WHITEHEAD STREET
STA. 301+01.22 TO STA. 301+96.97
STA. 304+04.27 TO STA. 305+15.00



TYPICAL SECTION
WHITEHEAD STREET
STA. 301+96.97 TO STA. 304+04.27

DESIGN SPEED 25 MPH

RECONSTRUCTION
LIMEROCK BASE (6" THICK) (LBR100)
OPTIONAL BASE GROUP 6 (TYPE B–12.5) (5")
TYPE SP–9.5 STRUCTURAL COURSE (TRAFFIC B) (1.0")
TYPE SP–9.5 STRUCTURAL COURSE FOR LEVELING (TRAFFIC B) (1.0")

MILLING (STA. 300+42.56 TO STA. 301+01.22)
MILL EXISTING ASPHALT PAVEMENT (2.0")

RESURFACING (STA. 300+42.56 TO STA. 301+01.22)
TYPE SP 9.5 STRUCTURAL COURSE (TRAFFIC B) (1.0")
TYPE SP 9.5 STRUCTURAL COURSE FOR LEVELING (TRAFFIC B) (1.0")

TYPICAL SECTION NOTES
1. THE TYPICAL SECTIONS SHOWN MAY NOT BE REPRESENTATIVE OF THE ACTUAL CONDITIONS AT ALL LOCATIONS ON THE PROJECT. VARIABLE CONDITIONS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR MAY ENCOUNTER ISOLATED AREAS OF ASPHALT LESS THAN THE MILLING DEPTH. IN THESE LOCATIONS THE CONTRACTOR SHALL MILL TO THE SURFACE OF THE BASE AND RESURFACE TO MAINTAIN POSITIVE DRAINAGE.
3. LIMEROCK MAY BE ENCOUNTERED DURING MILLING.
4. TYPICAL SECTION START AT BEGIN PROJECT LIMIT AT UNITED STREET.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
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Miami, Florida 33173
Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

TYPICAL SECTIONS

SHEET NO. R-6

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE – SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\02-TYP SEC.DWG
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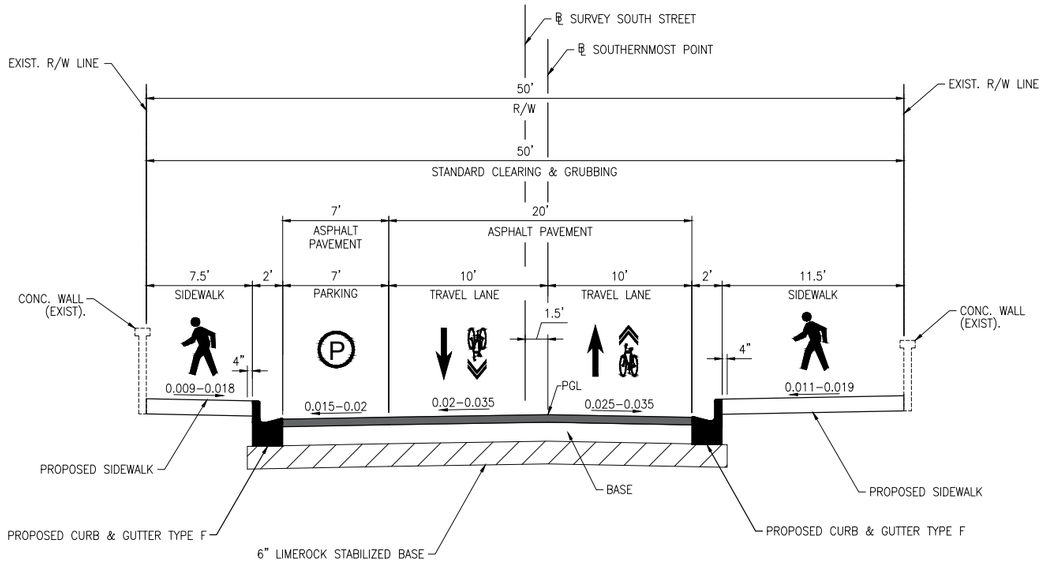
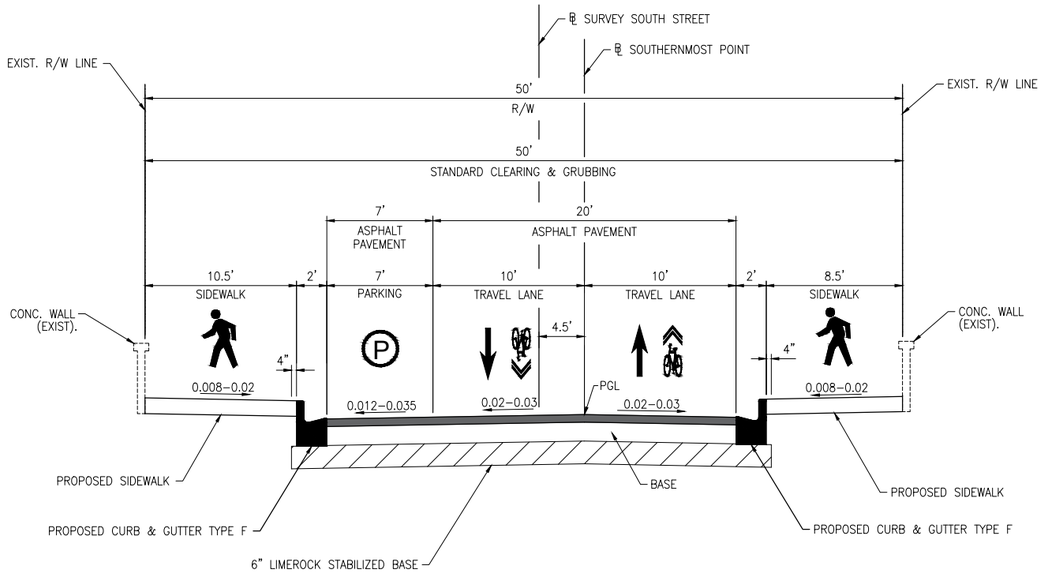


TYPICAL SECTION
SOUTH STREET
STA. 305+15.00 TO STA. 306+61.92



TYPICAL SECTION
SOUTH STREET
STA. 306+61.92 TO STA. 309+37.20

DESIGN SPEED 25 MPH

RECONSTRUCTION

LIMEROCK BASE (6" THICK) (LBR100)
OPTIONAL BASE GROUP 6 (TYPE B–12.5) (5")
TYPE SP–9.5 STRUCTURAL COURSE (TRAFFIC B) (1.0")
TYPE SP–9.5 STRUCTURAL COURSE FOR LEVELING (TRAFFIC B) (1.0")

MILLING (STA. 309+37.20 TO STA. 309+70.63)

MILL EXISTING ASPHALT PAVEMENT (2.0")

RESURFACING (STA. 309+37.20 TO STA. 309+70.63)

TYPE SP OVERBUILD (TRAFFIC B) (THICKNESS VARIES)
TYPE SP 9.5 STRUCTURAL COURSE (TRAFFIC B) (1.0")
TYPE SP 9.5 STRUCTURAL COURSE FOR LEVELING (TRAFFIC B) (1.0")

TYPICAL SECTION NOTES

1. THE TYPICAL SECTIONS SHOWN MAY NOT BE REPRESENTATIVE OF THE ACTUAL CONDITIONS AT ALL LOCATIONS ON THE PROJECT. VARIABLE CONDITIONS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR MAY ENCOUNTER ISOLATED AREAS OF ASPHALT LESS THAN THE MILLING DEPTH. IN THESE LOCATIONS THE CONTRACTOR SHALL MILL TO THE SURFACE OF THE BASE AND RESURFACE TO MAINTAIN POSITIVE DRAINAGE.
3. LIMEROCK MAY BE ENCOUNTERED DURING MILLING.
4. TYPICAL SECTIONS FACE DIRECTION OF INCREASED STATIONING.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
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Phone: (305) 670-2350
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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

TYPICAL SECTIONS

SHEET NO. R-7

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE – SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\02-TYP SEC.DWG
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PLOT DATE: 1/12/2026 9:21 AM

SCALE 1"= 20'

END MILLING AND RESURFACING,
BEGIN RECONSTRUCTION
STA. 301+01.22, ℄ SOUTHERNMOST POINT =
STA. 100+31.06, 1.0' LT., ℄ SURVEY WHITEHEAD STREET
MEET AND MATCH EXISTING

BEGIN PROJECT,
BEGIN MILLING AND RESURFACING
STA. 300+42.56, ℄ SOUTHERNMOST POINT =
N: 78646.96 E: 390813.34
MEET AND MATCH EXISTING

LEGEND
- DETECTABLE WARNINGS
- MILLING AND RESURFACING
- TREE WELL

UNITED STREET

WHITEHEAD STREET

JANKER LIVING TRUST
PARCEL ID: 00036120-000000
1301 WHITEHEAD ST,
KEY WEST, FL 33040

TT3 PARTNERS INVESTMENTS LLC
PARCEL ID: 00036130-000000
1303 WHITEHEAD ST,
KEY WEST, FL 33040

MMR PROPERTIES OF KEY WEST LLC
PARCEL ID: 00036160-000000
KEY WEST, FL 33040

USA NAVAL AIR STATION
PARCEL ID: 00035900-000000

POT: 300+00.00

STA: 300+42.48 OFF: 14.50 (L)
STA: 300+52.53 OFF: 32.31 (L)
STA: 300+86.76 OFF: 28.15 (L)
STA: 300+84.81 OFF: 29.16 (L)
STA: 300+86.74 OFF: 24.15 (L)
STA: 300+84.78 OFF: 25.11 (L)
STA: 300+89.39 OFF: 32.82 (L)
STA: 300+42.62 OFF: 13.88 (R)
STA: 300+63.03 OFF: 51.60 (R)
STA: 300+85.24 OFF: 51.40 (R)
STA: 300+93.31 OFF: 11.90 (R)
STA: 300+93.25 OFF: 16.75 (R)
STA: 300+87.44 OFF: 17.06 (R)
STA: 300+85.30 OFF: 23.74 (R)
STA: 300+99.78 OFF: 10.00 (L)
STA: 301+00.00 OFF: 32.08 (L)
STA: 301+00.62 OFF: 12.00 (L)
STA: 301+13.80 OFF: 10.00 (L)
STA: 301+05.29 OFF: 10.00 (L)
STA: 301+01.90 OFF: 10.00 (L)
STA: 301+18.79 OFF: 16.50 (L)
STA: 301+01.22 OFF: 0.00 ()
STA: 301+00.54 OFF: 10.00 (R)
STA: 301+04.86 OFF: 12.00 (R)
STA: 301+00.86 OFF: 12.00 (R)
STA: 301+00.13 OFF: 27.53 (R)
STA: 300+88.27 OFF: 19.83 (R)
STA: 300+87.26 OFF: 23.86 (R)
STA: 300+93.09 OFF: 33.71 (R)
STA: 301+76.32 OFF: 16.50 (L)
STA: 301+81.31 OFF: 10.00 (L)
STA: 301+83.20 OFF: 10.00 (L)
STA: 301+94.77 OFF: 10.00 (L)
STA: 301+97.77 OFF: 26.00 (L)
STA: 301+92.96 OFF: 10.00 (R)
STA: 301+97.96 OFF: 16.50 (R)
STA: 302+14.85 OFF: 16.50 (L)
STA: 302+05.72 OFF: 26.00 (L)
STA: 302+09.85 OFF: 10.00 (L)
STA: 302+07.71 OFF: 10.00 (L)
STA: 302+59.81 OFF: 26.00 (L)
STA: 302+70.96 OFF: 16.50 (L)
STA: 302+48.73 OFF: 26.00 (L)
STA: 302+39.53 OFF: 16.50 (L)
STA: 302+45.53 OFF: 10.00 (L)
STA: 302+46.48 OFF: 10.00 (L)
STA: 302+40.99 OFF: 10.00 (R)
STA: 302+57.86 OFF: 10.00 (R)
STA: 302+35.99 OFF: 16.50 (R)
STA: 302+62.86 OFF: 16.50 (R)
STA: 302+99.03 OFF: 10.00 (L)
STA: 302+95.64 OFF: 10.00 (L)
STA: 302+89.64 OFF: 16.50 (L)
STA: 302+64.96 OFF: 10.00 (L)
STA: 302+62.81 OFF: 10.00 (L)

MODIFIED RAMP TYPE CR-A SEE SPECIAL DETAILS
RAMP TYPE CR-A
CONST. 4" CONC. SIDEWALK
CONST. 6" CONC. DRIVEWAY
CONST. TYPE F C&G
CONST. C&G TYPE F
MATCH EXIST. C&G
MATCH EXIST. SIDEWALK
℄ SOUTHERNMOST POINT
END TYPE F C&G BEGIN TYPE D CURB
END TYPE D CURB BEGIN TYPE F C&G
R/W LINE
MATCH LINE STA. 303+00

R15.00' 6.00' 8.00' 11.00' 15.50' 14.00' 12.00' 7.50' 16.50' 16.50' 5.50'

EXIST 6" WM (ABDN) EXIST 12" DIP WM EXIST 12" WM EXIST 8" WM EXIST 8" WM EXIST 8" WM EXIST 6" WM (ABDN)

RT. LANE TRANSITION FROM MATCH EXIST. TO (+) 0.030
LT. LANE TRANSITION FROM MATCH EXIST. TO (−) 0.02
SEE INTERSECTION DETAILS
RT. LANE TRANSITION FROM (+) 0.030 TO (+) 0.02
RT. LANE (+) 0.02
LT. LANE (−) 0.02
LT. LANE TRANSITION FROM (−) 0.02 TO (−) 0.035

MATCH EXISTING CROSS SLOPE
PROP. PROFILE ALONG PGL
EXIST. GRADE ALONG PGL
PI +01.21 EL. 3.49
PI +60.00 EL. 3.90
PI +39.43 EL. 3.66
PI +89.64 EL. 3.81
(+) 0.70% (−) 0.30% (+) 0.30% (−) 0.34%

BEGIN PROFILE GRADE LINE
STA. 301+01.22, ℄ SOUTHERNMOST POINT =
STA. 100+31.06, 1.0' LT., ℄ SURVEY WHITEHEAD STREET
MEET AND MATCH EXISTING

EXIST. 12" WM
EXIST. 6" WM (ABDN)
EXIST. 8" WM
EXIST. 8" WM
EXIST. 8" WM
EXIST. 12" SAN
EXIST. 8" SAN
12" EXIST. SAN
EXIST. 8" SAN

SCALE: 1"=20' (HOR.)
1"=2' (VER.)

300+00 300+50 301+00 301+50 302+00 302+50 303+00

4 2 0 −2

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
P.E. License No. 87190
6401 SW 87 Ave, Suite 200
Miami, Florida 33173
Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLAN & PROFILE

SHEET NO. R-8

FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\08-PLAN-PROF.DWG

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

WHKW HOA INC PARCEL ID: 00036180-000900 1307-1309 WHITEHEAD ST KEY WEST, FL 33040

APLE TIMOTHY W REVOCABLE TRUST PARCEL ID: 00036180-000100 1315 WHITEHEAD ST KEY WEST, FL 33040

SCALE 1"= 20'

ARTEMISIA PROPERTY VII LLC PARCEL ID: 00036180-000200 1317 WHITEHEAD ST KEY WEST, FL 33040

SHECKLER DENNIS L/ALLYSON E TRUST PARCEL ID: 00036210-00000 401 SOUTH ST, KEY WEST, FL 33040

SHECKLER DENNIS L/ ALLYSON E TRUST PARCEL ID: 00036210-000000 401 SOUTH ST, KEY WEST, FL 33040

MATCH LINE STA. 303+00

MATCH LINE STA. 305+60

STA: 303+02.03 OFF: 26.00 (L)
CONST. 6" CONC. DRIVEWAY
STA: 303+20.03 OFF: 26.00 (L)
R/W LINE
STA: 303+87.29 OFF: 16.50 (L)
STA: 303+78.53 OFF: 18.50 (L)
STA: 303+28.77 OFF: 16.50 (L)
STA: 303+23.78 OFF: 10.00 (L)
STA: 303+22.03 OFF: 10.00 (L)
CONST. TYPE F C&G
STA: 303+92.29 OFF: 10.00 (L)
STA: 303+40.25 OFF: 10.00 (R)
STA: 303+23.89 OFF: 10.00 (R)
STA: 303+18.89 OFF: 16.50 (R)
STA: 303+45.25 OFF: 16.50 (R)
CONST. TYPE F C&G
R/W LINE
CONST. 4" CONC. SIDEWALK
18.00'
7.50'
16.50'
5.50'
+00
SAN
WM (ABDN)

STA: 304+20.31 OFF: 26.00 (L)
CONST. 6" CONC. DRIVEWAY
STA: 304+04.31 OFF: 26.00 (L)
STA: 304+22.56 OFF: 10.00 (L)
STA: 304+24.58 OFF: 10.00 (L)
STA: 304+30.58 OFF: 16.50 (L)
16.00'
STA: 304+01.31 OFF: 10.00 (L)
10.00'
10.00'
304+00
WHITEHEAD STREET
STA: 304+08.28 OFF: 10.00 (R)
STA: 304+03.28 OFF: 16.50 (R)
EXIST 12" DIP WM
RAISED PLANTER (SEE PLANTING AND HARDSCAPE PLANS)
USA NAVAL AIR STATION PARCEL ID: 00035900-000000
RAISED PLANTER (SEE PLANTING AND HARDSCAPE PLANS)
12.00'

STA: 304+49.27 OFF: 16.50 (L)
STA: 304+55.27 OFF: 10.00 (L)
CONST. 4" CONC. SIDEWALK
MODIFIED RAMP TYPE CR-A
SEE SPECIAL DETAILS
STA: 304+63.75 OFF: 15.71 (L)
7.50'
9.79'
END TYPE F C&G
BEGIN TYPE D CURB
STA: 304+63.16 OFF: 10.00 (L)
STA: 304+78.48 OFF: 15.71 (L)
END TYPE D CURB
BEGIN TYPE F C&B
STA: 304+80.53 OFF: 10.00 (L)
R2.00'
R2.00'
PC: 304+81.52
STA: 304+81.52 OFF: 10.00 (L)
STA: 304+88.38 OFF: 12.00 (L)
STA: 304+85.48 OFF: 12.00 (R)
STA: 304+81.52 OFF: 10.00 (R)
STA: 304+82.32 OFF: 12.00 (R)
RAMP TYPE CR-A
305+00
EXIST 6" DIP WM (ABDN)

R/W LINE
STA: 305+52.16 OFF: 10.00 (L)
PT: 305+52.16
STA: 305+37.35 OFF: 12.00 (L)
RAMP TYPE CR-A
STA: 305+31.89 OFF: 12.00 (L)
10.00'
R35.00'
R45.00'
R55.00'
STA: 305+57.86 OFF: 23.50 (R)
CONST. 6" CONC. DRIVEWAY
JOHNSON JOYCE H C/O CRM MANAGEMENT LLC PARCEL ID: 00036380-000000 400 SOUTH ST, KEY WEST, FL, 33040
STA: 305+49.34 OFF: 23.63 (R)
STA: 305+52.16 OFF: 10.00 (R)
STA: 305+47.15 OFF: 10.00 (R)
STA: 305+40.76 OFF: 12.00 (R)
RAMP TYPE CR-A
STA: 305+37.60 OFF: 12.00 (R)
SOUTHERNMOST POINT MONUMENT (TO REMAIN)
SEE PLAZA DETAIL SHEET FOR ADDITIONAL PLAZA AND SEAWALL DETAILS
R/W LINE
STATUE (TO REMAIN)

LEGEND
TREE WELL
DETECTABLE WARNINGS

RT. LANE (+) 0.02
LT. LANE (-) 0.035
+00.00
+35.75
RT. LANE (+) 0.02
LT. LANE TRANSITION FROM (-) 0.035 TO (-) 0.025
+85.75
RT. LANE (+) 0.02
LT. LANE (-) 0.025
+00.00
RT. LANE TRANSITION FROM (+) 0.020 TO (-) 0.025
LT. LANE TRANSITION FROM (-) 0.025 TO (-) 0.020
+50.00
+73.03
LT. LANE TRANSITION FROM (-) 0.020 TO (-) 0.035
+00.00
RT. LANE (-) 0.025
LT. LANE (-) 0.035
+50.00

PROP. PROFILE ALONG PGL
EXIST. GRADE ALONG PGL
PI +85.17 EL. 3.49
(-) 0.34%
(+) 0.55%
+32.82 EL. 3.75
VPI +42.78 EL. 3.80
+52.73 EL. 3.70
(-) 1.10%
+58.68 EL. 3.63
+74.90 EL. 3.73
(+) 1.67%
+89.33 EL. 3.81
VPI +09.14 EL. 3.97
+98.94 EL. 3.85
(-) 1.23%
+99.47 EL. 3.72
VPI +49.58 EL. 3.48
K = 12 20' V.C.
VPI +76.79 EL. 3.43
K = 13 36' V.C.
K = 7 20' V.C.
K = 26 40' V.C.
4
2
0
-2
MATCH LINE STA. 303+00
MATCH LINE STA. 305+60

EXIST. 8" WM
EXIST. 8" WM
EXIST. 6" DIP WM (ABDN)
EXIST. 8" WM (ABDN)
EXIST. 6" WM (ABDN)
EXIST. 12" WM
EXIST. 12" SAN
EXIST. 8" SAN
EXIST. 12" SAN
EXIST. 8" SAN
EXIST. 8" SAN
EXIST. 12" SAN

303+00 303+50 304+00 304+50 305+00 305+50

SCALE: 1"=20' (HOR.)
1"=2' (VER.)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

bcc engineering
Andrew James List, P.E.
P.E. License No. 87190
6401 SW 87 Ave, Suite 200
Miami, Florida 33173
Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLAN & PROFILE

SHEET NO. R-9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\08-PLAN-PROF.DWG

PLOT DATE: 1/12/2026 9:21 AM

FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\08-PLAN-PROF.DWG

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SCALE 1"= 20'

AVSTONES LLC
PARCEL ID: 00036200-000000
405 SOUTH ST, KEY WEST, FL, 33040

SANTIAGO RAMONA L REV TRUST AGR
PARCEL ID: 00036220-000000
407 SOUTH ST, KEY WEST, FL 33040

SANTIAGO FAMILY PARTNERSHIP LTD
PARCEL ID: 00036190-000100
1327 DUVAL ST, KEY WEST, FL 33040

HECKLER ENNIS L/ ALLYSON E TRUST
PARCEL ID: 00036210-000000
1003 SOUTH ST, KEY WEST, FL 33040

MATCH LINE STA. 305+60

MATCH LINE STA. 308+60

SOUTH STREET

306+00

307+00

308+00

R/W LINE

CONST. 6" CONC. DRIVEWAY

CONST. 4" CONC. SIDEWALK

CONST. TYPE F C&G

RAISED PLANTER (SEE PLANTING AND HARDSCAPE PLANS)

PC: 306+36.81

PRC: 306+61.92

PT: 306+87.04

℄ SOUTHERNMOST POINT

PI: 308+41.66

LEGEND

TREE WELL

JOHNSON JOYCE H
C/O CRM MANAGEMENT LLC
PARCEL ID: 00036380-000000
400 SOUTH ST, KEY WEST
FL, 33040

MORGAN HUGH J
YADIRA YADIRA
PARCEL ID: 00036400-000000
402 SOUTH ST, KEY WEST FL, 33040

MORGAN HUGH J
MORGAN YADIRA
PARCEL ID: 00036410-000000
404 SOUTH ST, KEY WEST FL, 33040

RAMOS MATILDE GENEROSA
REV TRUST
PARCEL ID: 00036360-000000
1400 DUVAL ST. KEY WEST, FL 33040

RT. LANE TRANSITION FROM (-) 0.025 TO (-) 0.035
LT. LANE TRANSITION FROM (-) 0.035 TO (-) 0.02

RT. LANE TRANSITION FROM (-) 0.035 TO (-) 0.02

NORMAL CROWN

RT. LANE TRANSITION FROM (-) 0.02 TO (-) 0.03
LT. LANE TRANSITION FROM (-) 0.02 TO (+) 0.03

RT. LANE TRANSITION FROM (-) 0.03 TO (+) 0.025
LT. LANE TRANSITION FROM (-) 0.03 TO (+) 0.025

PROP. PROFILE ALONG PGL

EXIST. GRADE ALONG PGL

EXIST. 8" WM
EXIST. 8" WM (ABDN)
EXIST. 12" WM
EXIST. 8" SAN
EXIST. 12" SAN

SCALE: 1"=20' (HOR.)
1"=2' (VER.)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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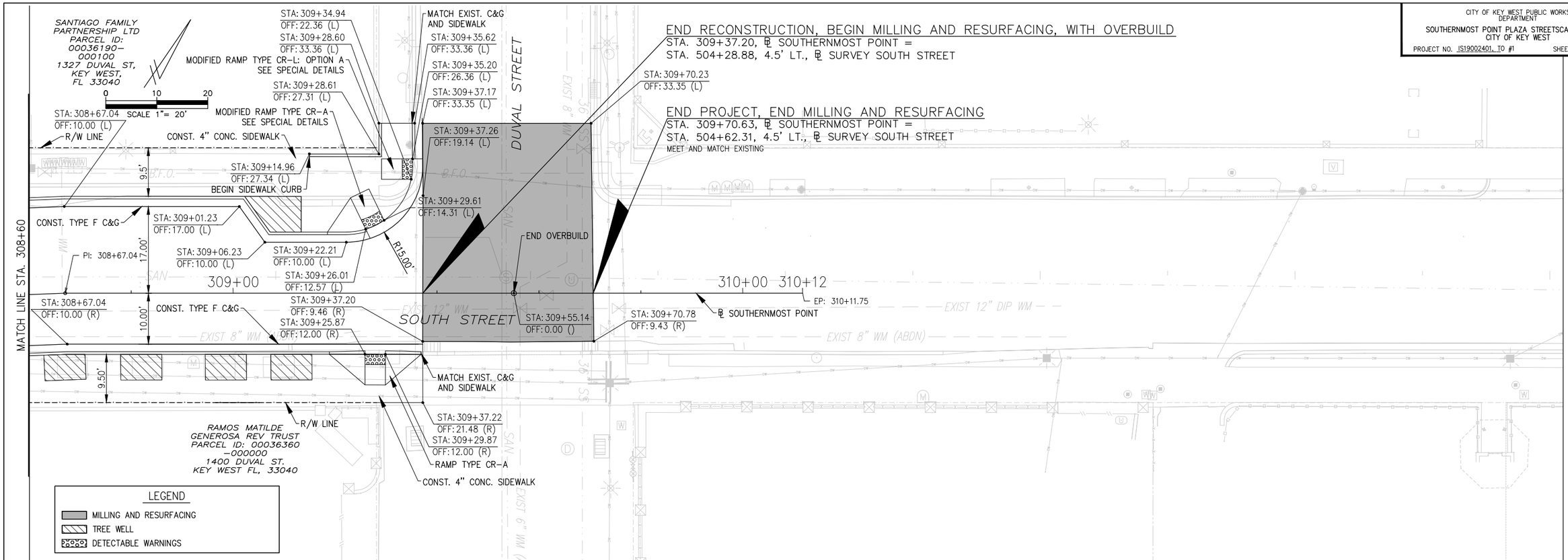
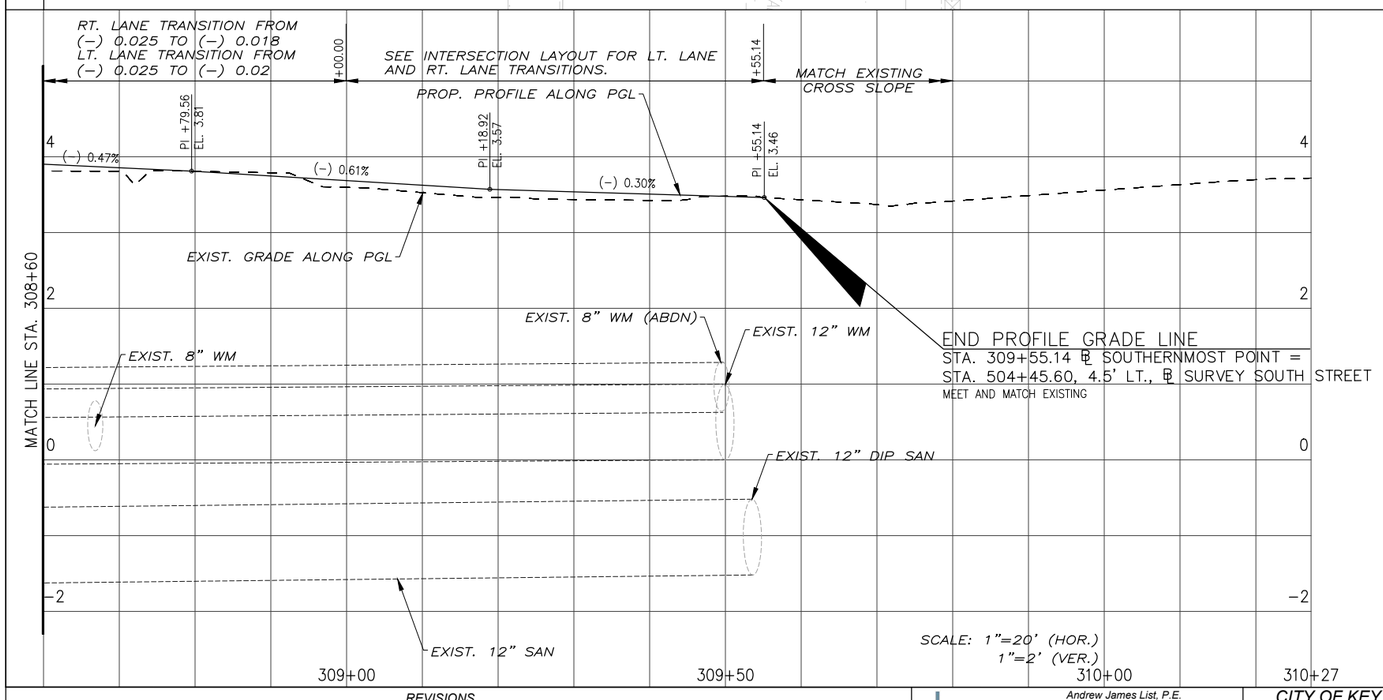
CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLAN & PROFILE

SHEET NO. R-10





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLAN & PROFILE

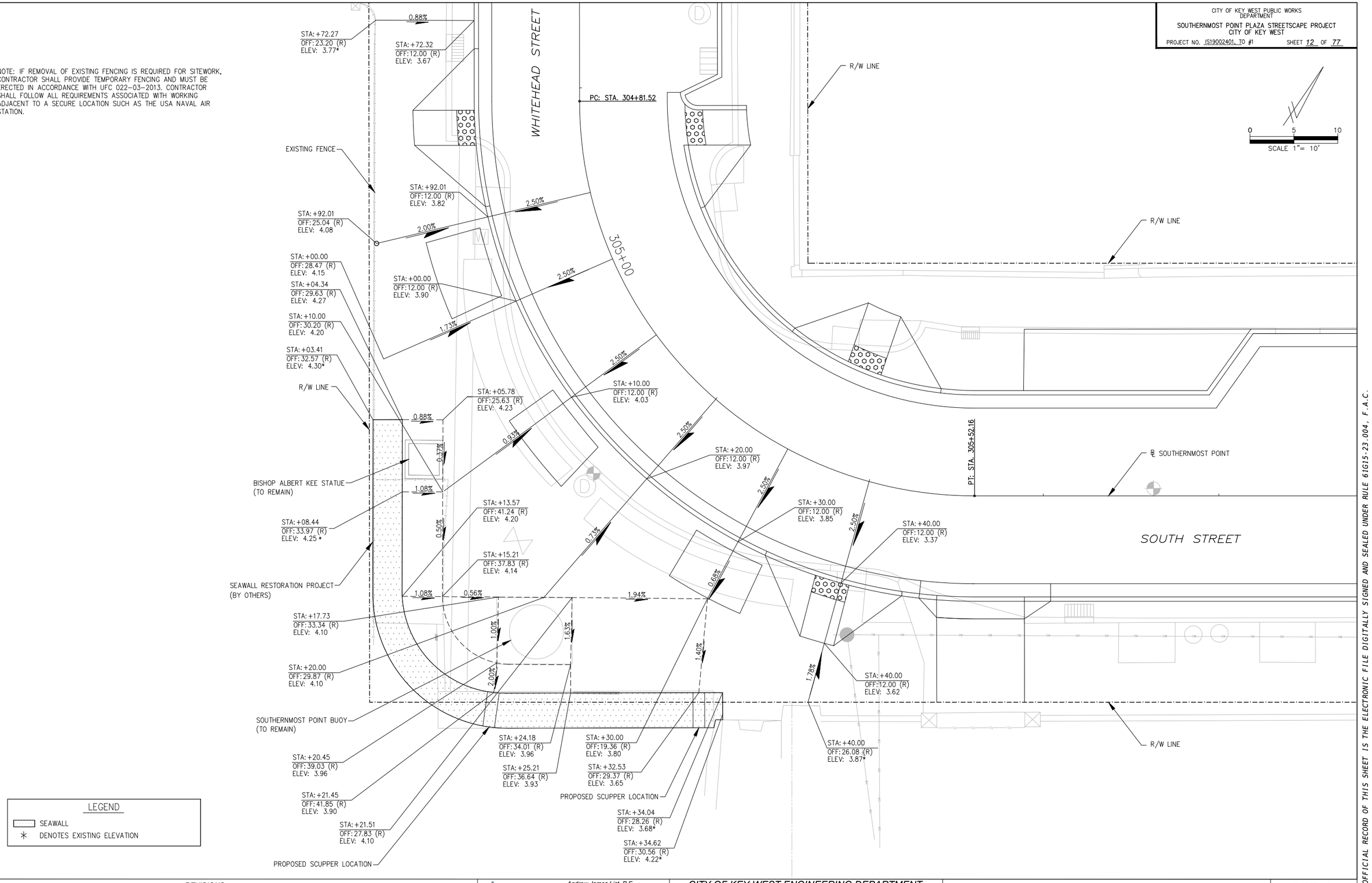
SHEET NO. R-11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\08-PLAN-PROF.DWG

PLOT DATE: 1/12/2026 9:20 AM

NOTE: IF REMOVAL OF EXISTING FENCING IS REQUIRED FOR SITEWORK, CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND MUST BE ERECTED IN ACCORDANCE WITH UFC 022-03-2013. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS ASSOCIATED WITH WORKING ADJACENT TO A SECURE LOCATION SUCH AS THE USA NAVAL AIR STATION.



CITY OF KEY WEST PUBLIC WORKS DEPARTMENT

SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST

PROJECT NO. IS19002401, TO #1 SHEET 12 OF 77

LEGEND

SEAWALL

✳ DENOTES EXISTING ELEVATION

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\PLAZA-DETAIL.DWG

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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Miami, Florida 33173
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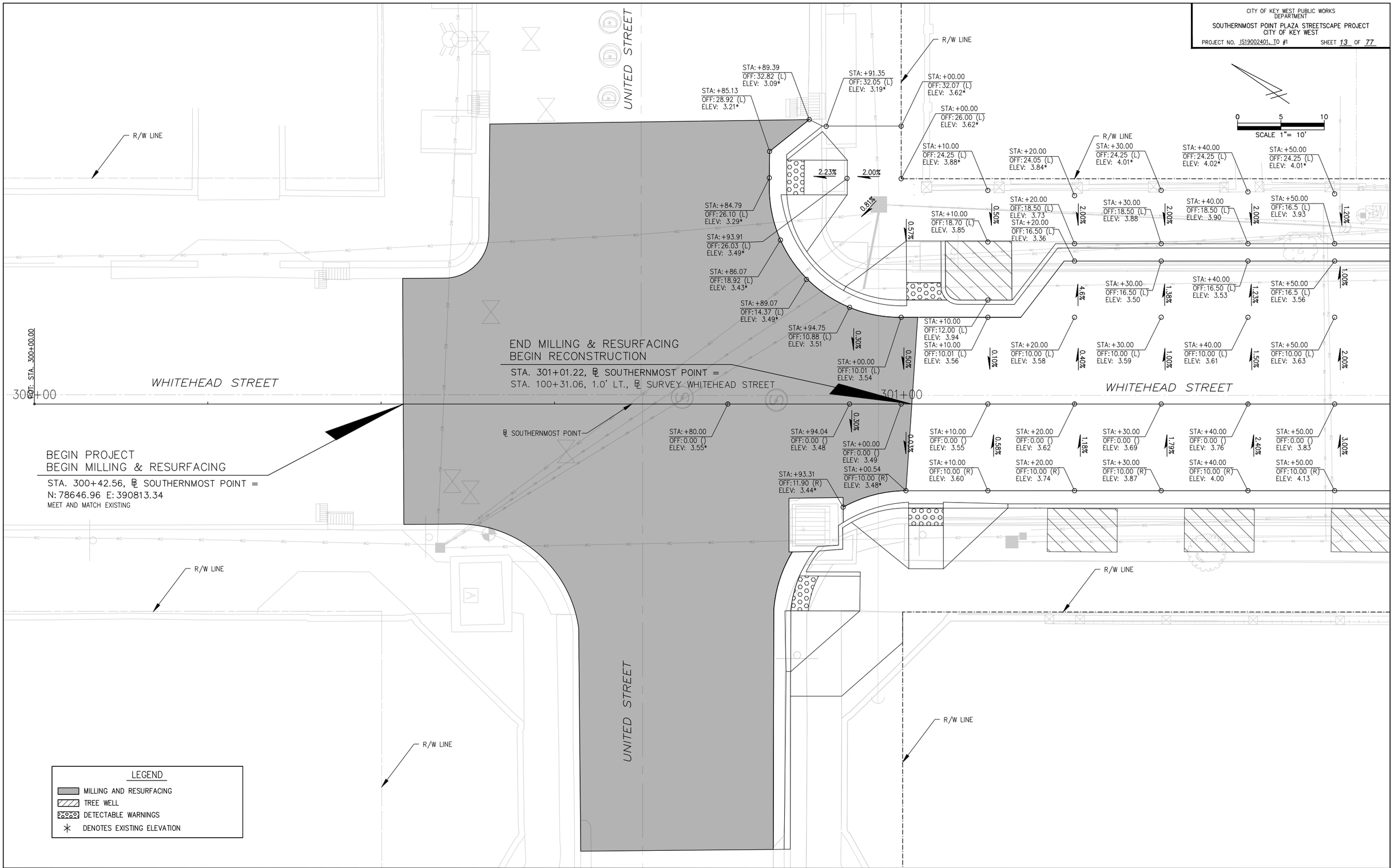
CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLAZA DETAIL

SHEET NO.
R-12



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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6401 SW 87 Ave, Suite 200
Miami, Florida 33173
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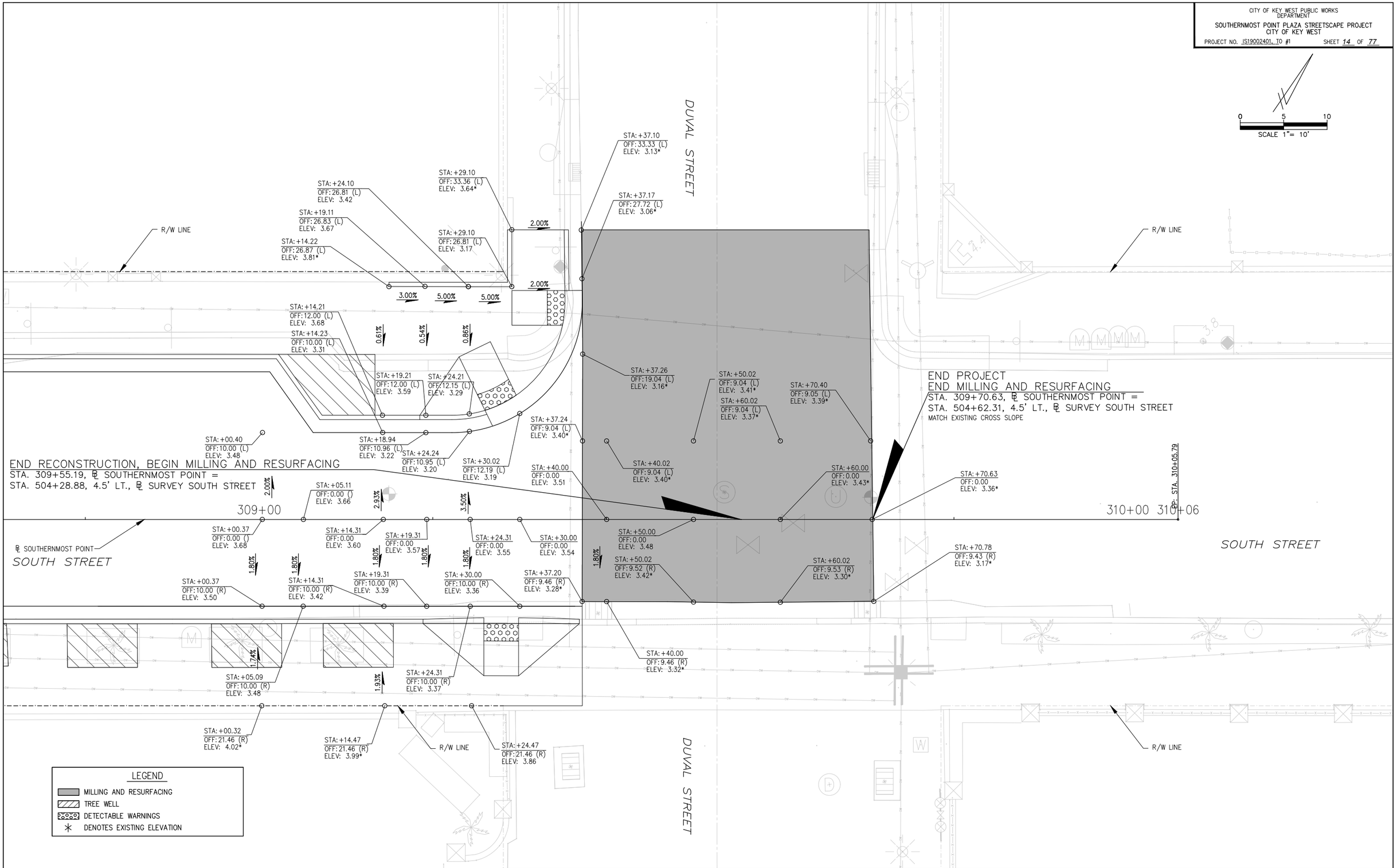
CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

INTERSECTION LAYOUT

SHEET NO. R-13

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\INTERSECTION-DETAIL.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
P.E. License No. 87190
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Miami, Florida 33173
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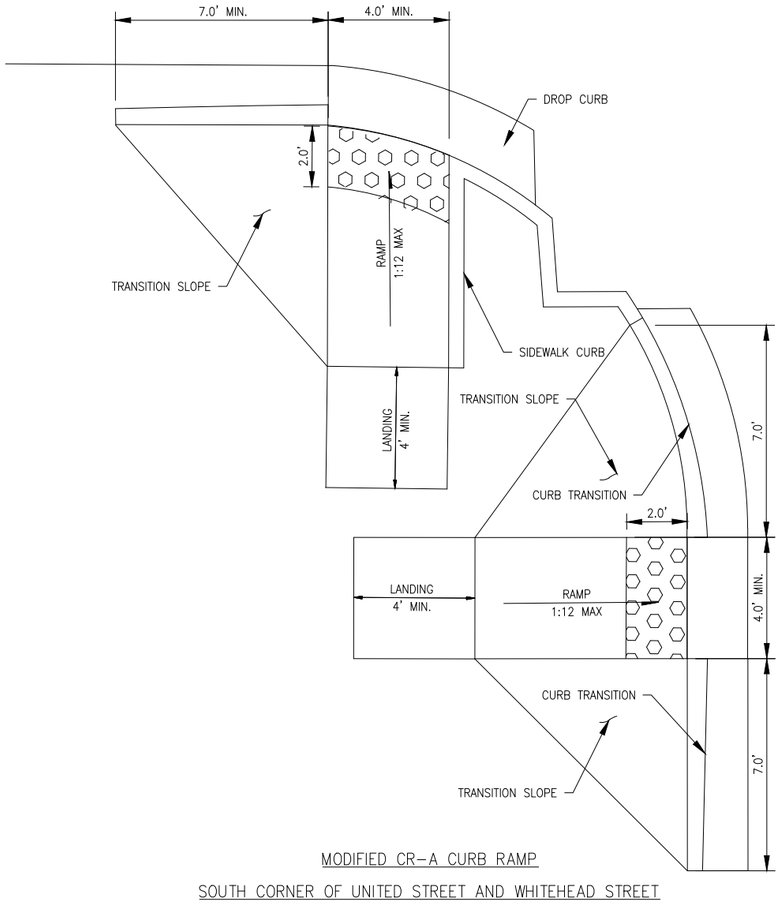
CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

INTERSECTION LAYOUT

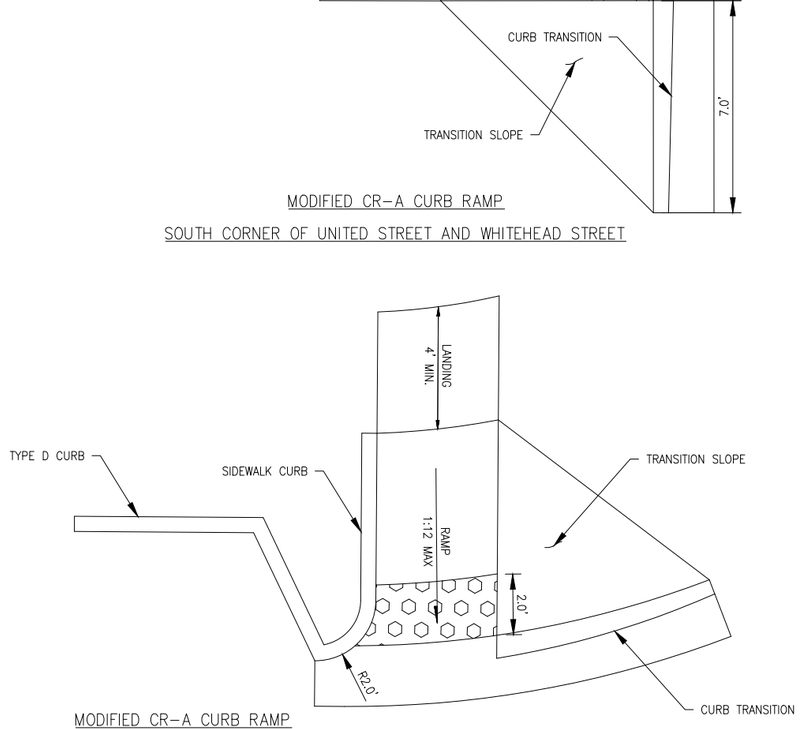
SHEET NO. R-14

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\INTERSECTION-DETAIL.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



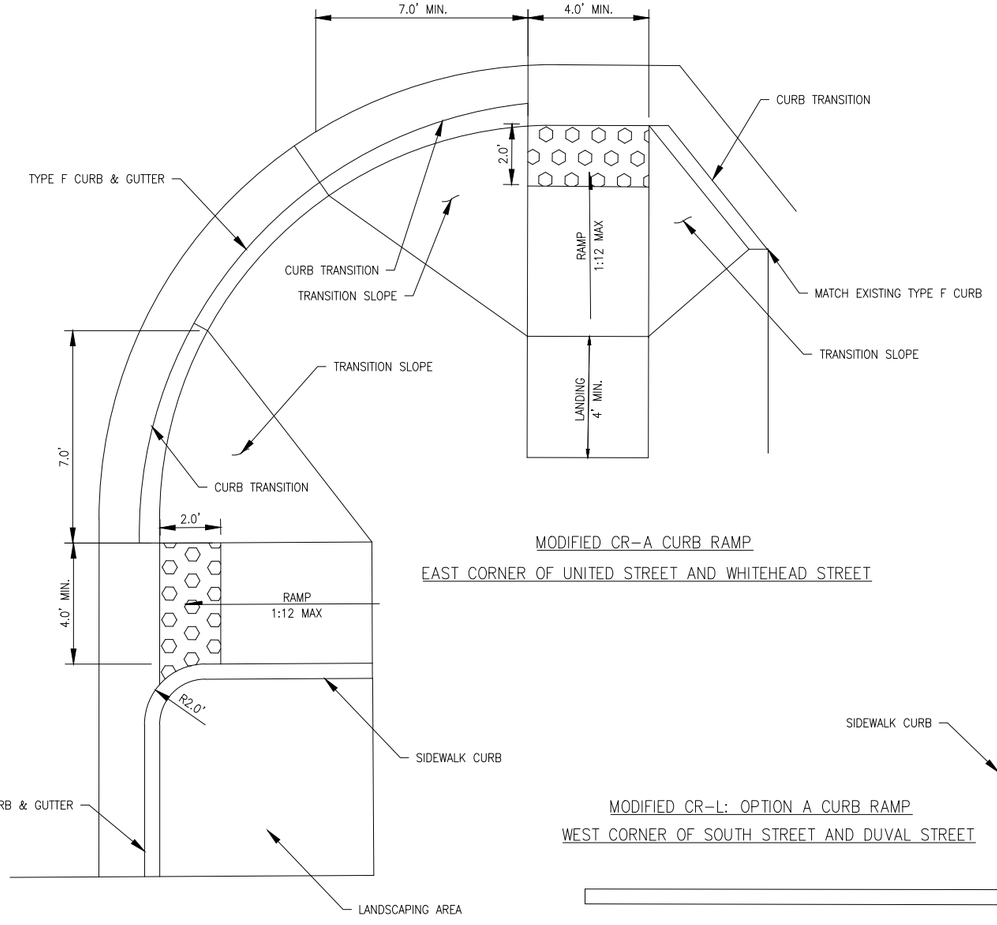
MODIFIED CR-A CURB RAMP

SOUTH CORNER OF UNITED STREET AND WHITEHEAD STREET



MODIFIED CR-A CURB RAMP

NORTH RAMP OF WHITEHEAD STREET CROSSWALK AT PLAZA

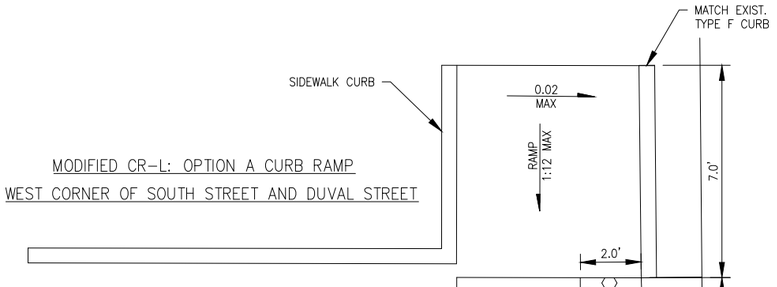


MODIFIED CR-A CURB RAMP

EAST CORNER OF UNITED STREET AND WHITEHEAD STREET

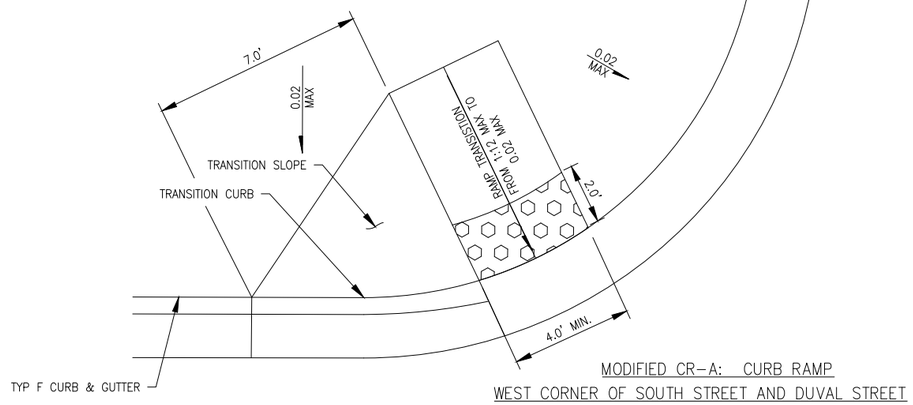
LEGEND

DETECTABLE WARNINGS



MODIFIED CR-L: OPTION A CURB RAMP

WEST CORNER OF SOUTH STREET AND DUVAL STREET



MODIFIED CR-A: CURB RAMP

WEST CORNER OF SOUTH STREET AND DUVAL STREET

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
P.E. License No. 87190
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Miami, Florida 33173
Phone: (305) 670-2350
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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SPECIAL DETAILS

SHEET NO. R-15

PLOT DATE: 1/12/2026 9:20 AM

FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\CURB-DETAIL.DWG

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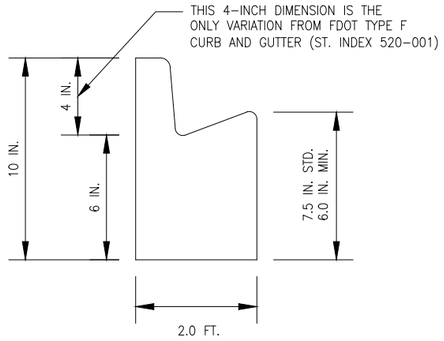
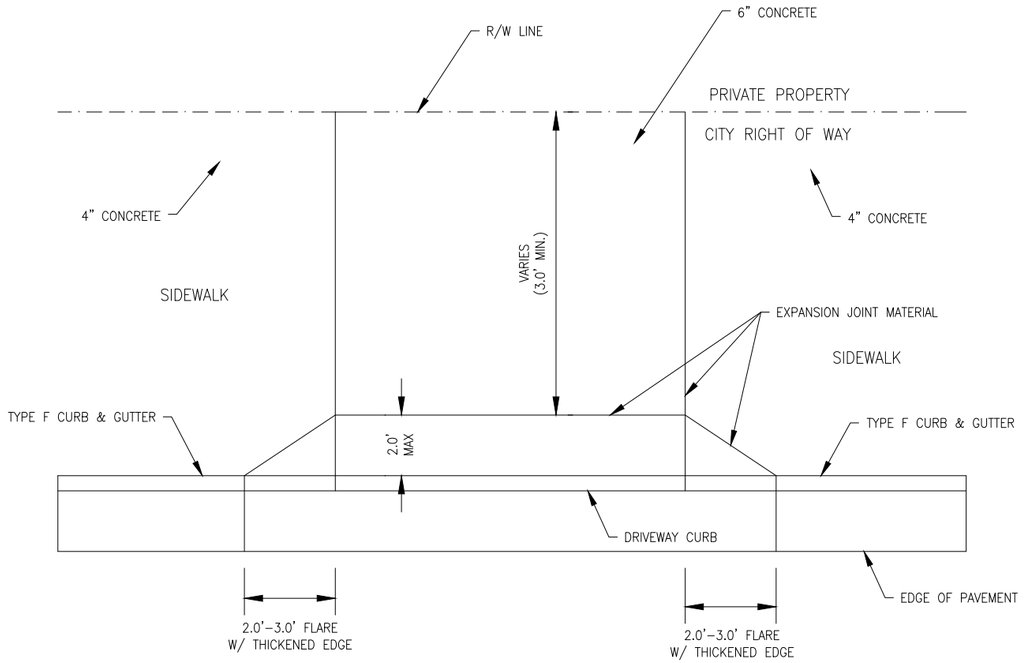


MODIFIED TYPE F C&G (N.T.S.)

THE CONTRACTOR MAY MODIFY THE VERTICAL HEIGHT OF THE CURB AS SHOWN IN "MODIFIED TYPE F C&G" TO ENSURE POSITIVE DRAINAGE TOWARD THE GUTTER.

THE CONTRACTOR SHALL MATCH EXISTING GROUND ELEVATIONS AT THE BACK OF SIDEWALK.



DRIVEWAY APRON DETAIL

GENERAL NOTES:

- ADA ACCESSIBILITY GUIDELINES APPLY
- PROPERTY SURVEY MUST ACCOMPANY ROW PERMIT APPLICATION
- USE 3000 PSI CONCRETE MIN.
- CONTRACTOR MUST COMPLY WITH TYPICAL CITY DESIGNS
- CITY RETAINS THE RIGHT TO MODIFY DESIGN BASED ON FIELD CONDITIONS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SPECIAL DETAILS

SHEET NO. R-16

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\CURB-DETAIL.DWG
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QUANTITY	STR. NO.	STATION	BASE LINE	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL TYPE		GUTTER INLET TYPE 9		DRIVEWAY INLET FRAME & COVER 5120-6167	MANHOLE TYPE 7		MODIFY STRUCTURE	INLETS ADJUST	MANHOLES ADJUST	DEEP WELL CLEANING (LF)	POLLUTION CONTROL STRUCTURE	REMARKS
							ROUND SHAPE		P	J		P	J						
							18"	24"	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'			
P	S-01	301+20.33	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1	115'		1										
F																			
P	S-02	302+38.00	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1	5'		1										
F																			
P	S-03	302+38.00	BL SOUTHERNMOST POINT	LT	MANHOLE - PIPE	1	32'		1										ALT. B
F																			
P	S-04	302+72.50	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1	55'		1										
F																			
P	S-05	303+30.31	BL SOUTHERNMOST POINT	LT	MANHOLE - PIPE	1		51'				1							ALT. B
F																			
P	S-06	303+85.75	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1	6'		1										
F																			
P	S-07	303+85.75	BL SOUTHERNMOST POINT	LT	MANHOLE - PIPE	1		44'					1						DIAMETER 5'
F																			
P	S-08	304+32.12	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1		13'	1										
F																			
P	S-09	304+50.00	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1		5'		1									DIAMETER 5'
F																			
P	S-10	304+50.00	BL SOUTHERNMOST POINT	LT	MANHOLE - PIPE	1		25'				1							ALT. B
F																			
P	S-11	304+73.03	BL SOUTHERNMOST POINT	RT	INLET - PIPE	1	13'		1										
F																			
P	S-12	304+76.79	BL SOUTHERNMOST POINT	LT	MANHOLE - PIPE	1		37'					1						DIAMETER 5'
F																			
P	S-13	305+18.65	BL SOUTHERNMOST POINT	RT	MANHOLE - PIPE	1		36'				1							ALT. B
F																			
P	S-14	305+58.37	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1		18'	1										ALT. B
F																			
P	S-15	305+58.37	BL SOUTHERNMOST POINT	RT	INLET - PIPE	1		24'			1								J BOT 3.5' X 4.0'
F																			
P	S-16	305+86.24	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1	26'		1										
F																			
P	S-17	305+86.24	BL SOUTHERNMOST POINT	RT	INLET - PIPE	1		126'	1										ALT. A, DIAMETER 4'
F																			
P	S-18	307+15.94	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1	26'		1										
F																			
P	S-19	307+15.94	BL SOUTHERNMOST POINT	RT	INLET - PIPE	1		108'			1								J BOT 3.5' X 4.0'
F																			
P	S-20	308+28.81	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1		23'	1										
F																			
P	S-21	308+28.81	BL SOUTHERNMOST POINT	RT	MANHOLE - PIPE	1		71'				1							ALT. A, DIAMETER 4'
F																			
P	S-22	309+00.00	BL SOUTHERNMOST POINT	LT	INLET - PIPE	1	26'		1										
F																			
P	S-23	309+04.74	BL SOUTHERNMOST POINT	RT	INLET - PIPE	1		11'		1									ECC. J BOT 3.5'X 4.0'
F																			
P	S-24	309+20.40	BL SOUTHERNMOST POINT	RT	PCS - PIPE	1	15'											1	(SEE DRAINAGE DETAILS)
F																			
P	S-25	309+39.00	BL SOUTHERNMOST POINT	RT	INLET	1								1					
F																			
P	DW-01	304+71.50	BL SOUTHERNMOST POINT	LT	DW	1		6'							1	2	120		
F																			
P																			
F																			
P																			
F																			
P																			
F																			
P																			
F																			
P																			
F																			
SHEET TOTALS -					PLAN QUANTITY		319'	598'	13	2	2	4	2	1	1	2	120	1	
					FINAL QUANTITY														
					PLAN QUANTITY		319'	598'	13	2	2	4	2	1	1	2	120	1	
					FINAL QUANTITY														

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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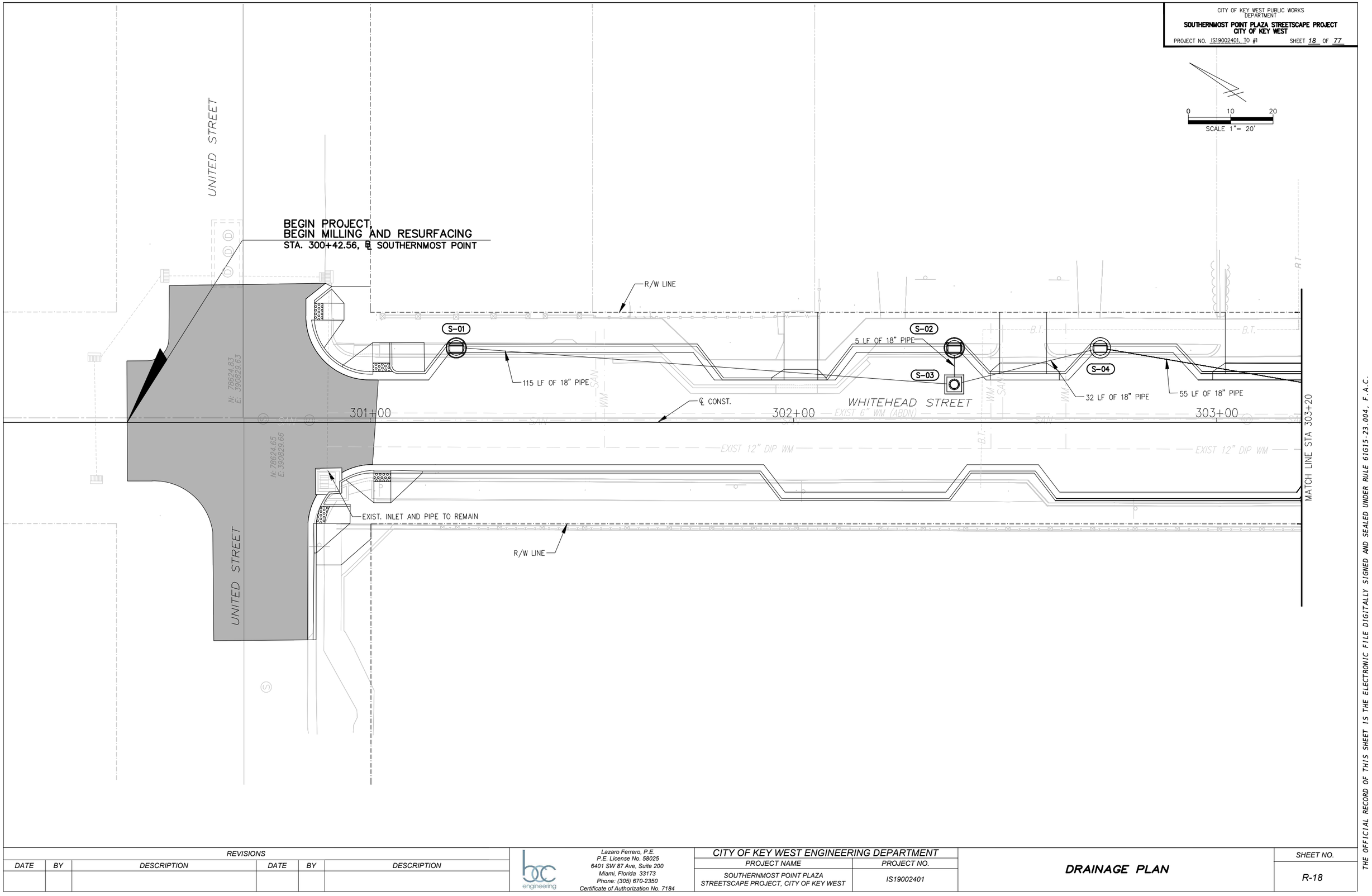
CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. R-17

PLOT DATE: 11/19/2025 10:01 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\DRAINAGE\101-SUMMARY_DRAINAGE.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



PLOT DATE: 11/18/2025 4:43 PM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE – SOUTHERNMOST POINT PLAZA\8-CAD\DRAINAGE\09-DRAINAGE_PLAN.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

DRAINAGE PLAN

SHEET NO. R-18

PLOT DATE: 11/18/2025 4:45 PM

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT

SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST

PROJECT NO. IS19002401, TO #1 SHEET 19 OF 77

0 10 20
SCALE 1"= 20'

MATCH LINE STA 303+20

MATCH LINE STA 305+80

R/W LINE

S-05 S-06 S-07 S-08 S-09 S-10 S-11 S-12 S-13 S-14 S-15 DW-01

18" PIPE

6 LF OF 18" PIPE

51 LF OF 24" PIPE

44 LF OF 24" PIPE

13 LF OF 24" PIPE

5 LF OF 24" PIPE

7 LF OF 24" PIPE

25 LF OF 24" PIPE

13 LF OF 18" PIPE

24 LF OF 24" PIPE

18 LF OF 24" PIPE

36 LF OF 24" PIPE

37 LF OF 24" PIPE

EXIST. INLET TO BE REMOVED

EXIST. INLET AND PIPE TO BE REMOVED OR FILLED IF UNABLE TO BE EXCAVATED

EXIST. INLET TOP TO BE ADJUSTED

EXIST. MANHOLE TOP TO BE ADJUSTED (PARTIAL)

EXIST. GRAVITY WELL TO REMAIN AND BE REDEVELOPED

EXIST. INLET AND PIPE TO BE REMOVED OR FILLED IF UNABLE TO BE EXCAVATED

EXIST. TRENCH DRAIN TO BE REMOVED

SOUTHERNMOST POINT MONUMENT (BUOY TO REMAIN IN PLACE)

WHITEHEAD STREET

304+00

305+00

℄ CONST.

EXIST 6" WM (ABDN)

EXIST 12" DIP WM

SAN

DRAIN TRIP

FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\DRAINAGE\09-DRAINAGE_PLAN.DWG

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

bcc engineering
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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

DRAINAGE PLAN

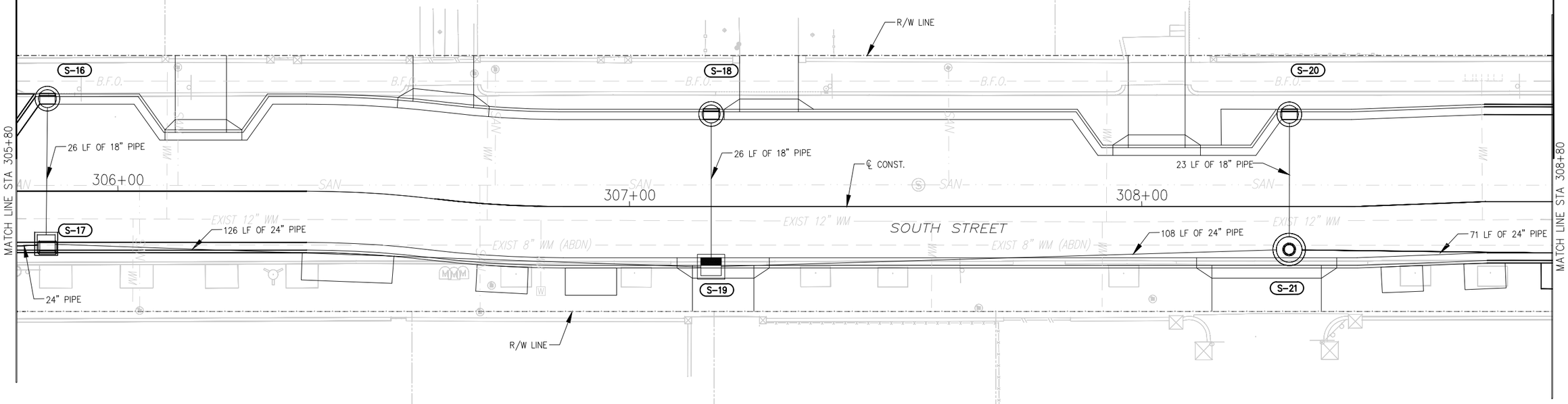
SHEET NO. R-19

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT

SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST

PROJECT NO. IS19002401, TO #1 SHEET 20 OF 77

0 10 20
SCALE 1"= 20'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

DRAINAGE PLAN

SHEET NO. R-20

PLOT DATE: 11/18/2025 4:47 PM

FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\DRAINAGE\09-DRAINAGE_PLAN.DWG

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLOT DATE: 11/18/2025 4:49 PM

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT

SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST

PROJECT NO. IS19002401, TO #1 SHEET 21 OF 77

0 10 20
SCALE 1"= 20'

DUVAL STREET

MATCH LINE STA 308+80

R/W LINE

S-22

B.F.O.

26 LF OF 18" PIPE

℄ CONST.

SOUTH STREET

24" PIPE

S-23

15 LF OF 18" PIPE

S-24

11 LF OF 24" PIPE

S-25

EXIST. 36" PIPE TO REMAIN

END PROJECT
STA. 309+80.00
MEET AND MATCH EXISTING

EXIST. 36" OUTFALL PIPE TO REMAIN

EXIST. PIPE TO BE DESILTED

EXIST. PIPE TO BE DESILTED

S-25
CORE DRILL EXIST. STRUCTURE AT EL. (–) 1.20 (BK)

EXIST 12" DIP WM

EXIST 8" WM (ABDN)

EXIST 6" WM (ABDN)

36" SS

SAN

M

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

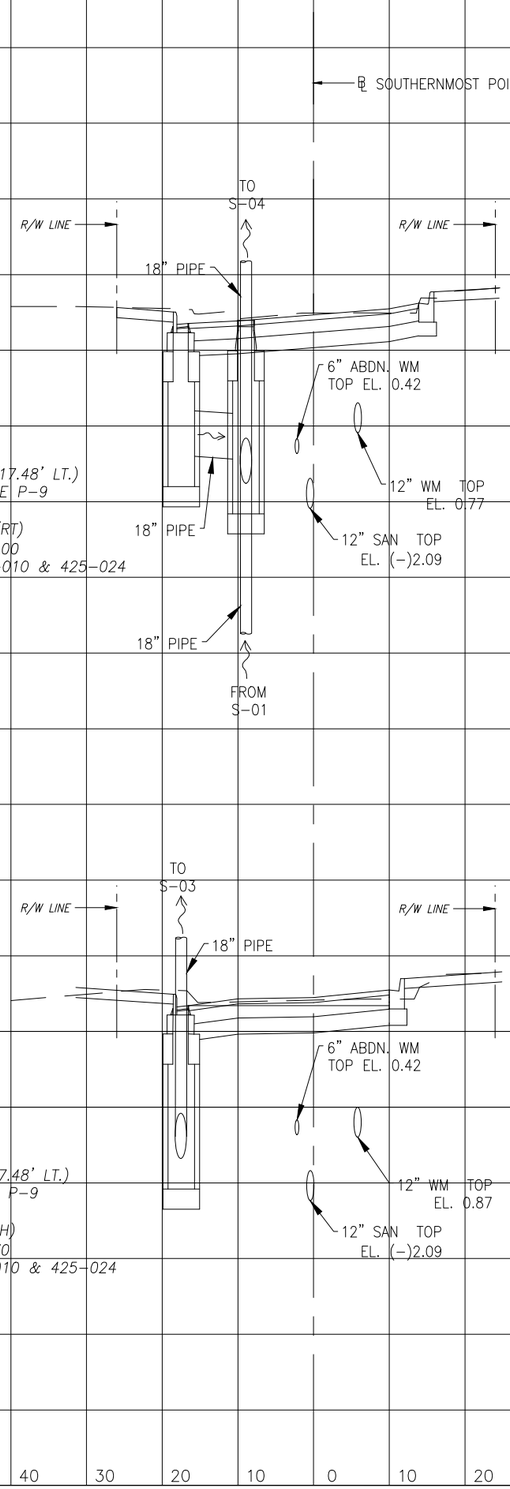
DRAINAGE PLAN

SHEET NO. R-21

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE – SOUTHERNMOST POINT PLAZA\8-CAD\DRAINAGE\09-DRAINAGE_PLAN.DWG

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST
PROJECT NO. IS19002401, TO #1 SHEET 22 OF 77



S-02

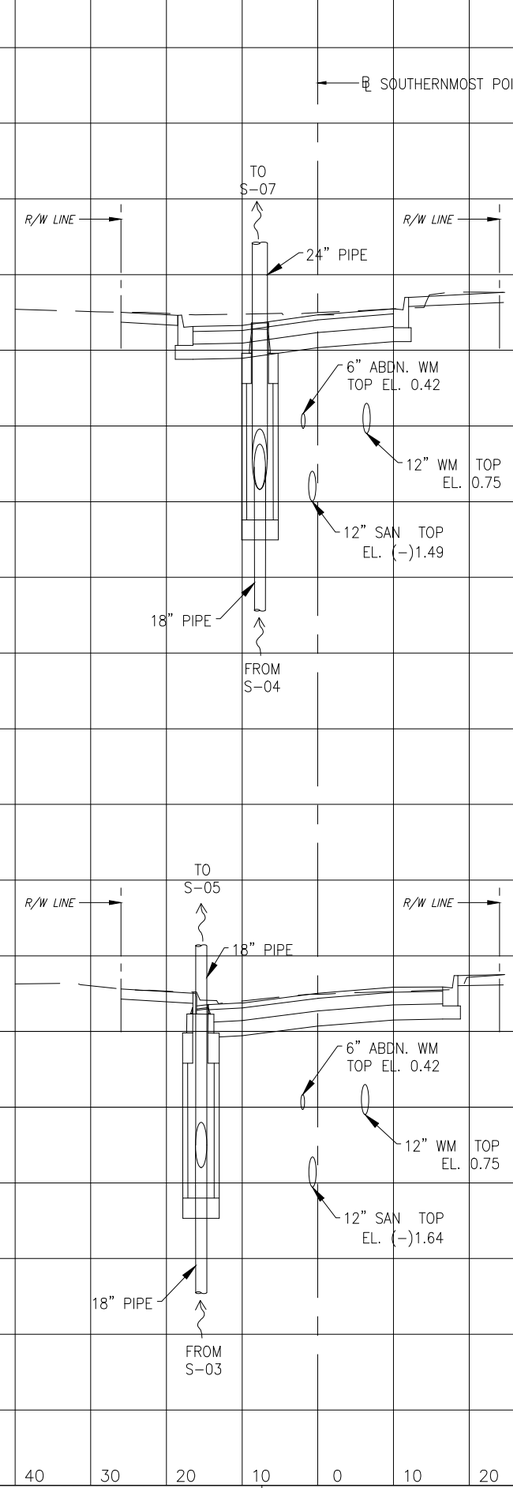
STA 302+38.00 (17.48' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.39
FL. EL. (–)1.00 (RT)
BOTTOM EL. (–)2.00
FDOT INDEX 425-010 & 425-024

S-03

302+38.00

S-03

STA 302+38.00 (8.94' LT.)
CONST. MANHOLE TYPE P-7 ALT. B
RIM EL. 3.49
FL. EL. (–)1.10 (LT)
FL. EL. (–)1.90 (AH & BK)
BOTTOM EL. (–)2.90
FDOT INDEX 425-001 & 425-010



S-05

303+30.31

S-05

STA 303+30.31 (7.66' LT.)
CONST. MANHOLE TYPE P-7 ALT. B
RIM EL. 3.40
FL. EL. (–)2.10 (AH & BK)
BOTTOM EL. (–)3.10
FDOT INDEX 425-001 & 425-010

S-01

301+20.33

S-01

STA 301+20.33 (17.48' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.36
FL. EL. (–)1.70 (AH)
BOTTOM EL. (–)2.70
FDOT INDEX 425-010 & 425-024

SCALE: 1"=20' (HOR.)
1"=5' (VER.)

S-04

302+72.50

S-04

STA 302+72.50 (15.44' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.39
FL. EL. (–)2.00 (AH & BK)
BOTTOM EL. (–)3.00
FDOT INDEX 425-010 & 425-024

SCALE: 1"=20' (HOR.)
1"=5' (VER.)

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

DRAINAGE STRUCTURES

SHEET NO. R-22

PLOT DATE: 11/20/2025 10:01 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\DRAINAGE\10-CROSS SEC_DS-1.DWG
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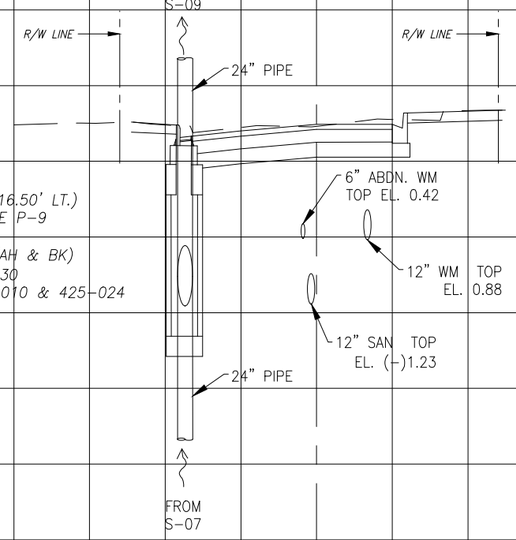
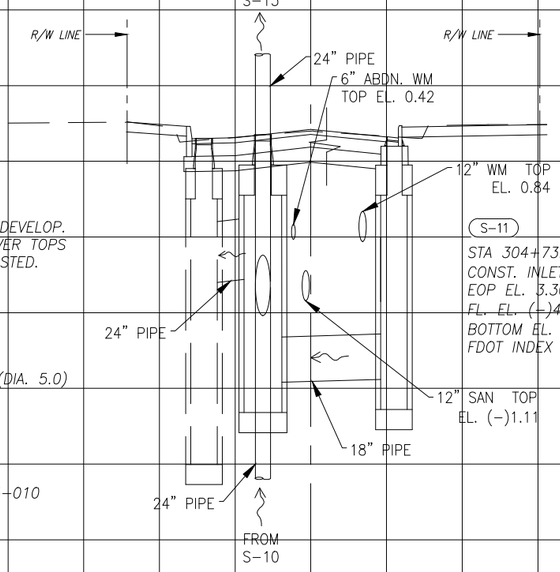


(S-08)
STA 304+32.12 (16.50' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.31
FL. EL. (–)2.30 (AH & BK)
BOTTOM EL. (–)3.30
FDOT INDEX 425-010 & 425-024

S-08
304+32.12

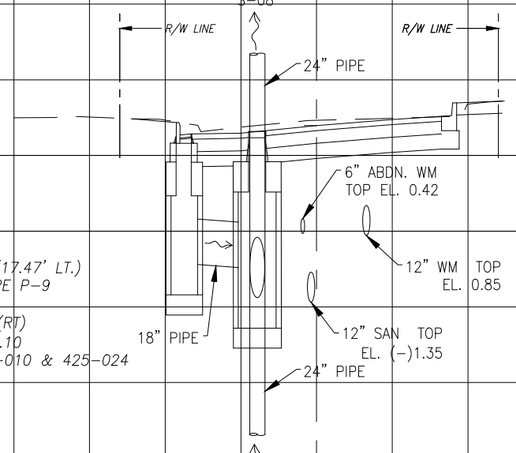


(DW-01)
STA 304+71.50 (14.12' LT.)
EXIST. DEEP WELL TO BE REDEVELOP.
PARTIAL EXIST. MANHOLE COVER TOPS
& EXIST. GRATE TO BE ADJUSTED.
FDOT INDEX 425-001

(S-12)
STA 304+76.79 (6.34' LT.)
CONST. MANHOLE TYPE J-7 (DIA. 5.0)
RIM EL. 3.38
FL. EL. (–)1.40 (LT)
FL. EL. (–)2.60 (AH & BK)
FL. EL. (–)4.80 (RT)
BOTTOM EL. (–)5.80
FDOT INDEX 425-001 & 425-010

(S-11)
STA 304+73.03 (10.98' RT.)
CONST. INLET TYPE P-9 (DIA. 3.5')
EOP EL. 3.30
FL. EL. (–)4.70 (LT)
BOTTOM EL. (–)5.70
FDOT INDEX 425-010 & 425-024

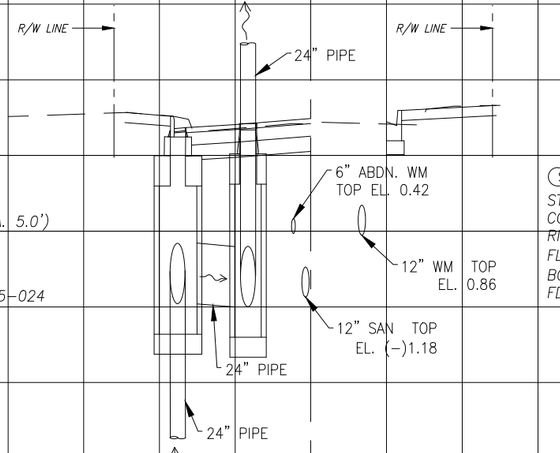
S-12
304+76.79
S-11
304+73.03
DW-01
304+71.50



(S-06)
STA 303+85.75 (17.47' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.22
FL. EL. (–)1.10 (RT)
BOTTOM EL. (–)2.10
FDOT INDEX 425-010 & 425-024

S-07
S-06
303+85.75

(S-07)
STA 303+85.75 (7.82' LT.)
CONST. MANHOLE TYPE J-7 (DIA. 5.0)
RIM EL. 3.29
FL. EL. (–)2.20 (AH & BK)
FL. EL. (–)1.20 (LT)
BOTTOM EL. (–) 3.20
FDOT INDEX 425-001 & 425-010



(S-09)
STA 304+50.00 (17.55' LT.)
CONST. INLET TYPE J-9 (DIA. 5.0')
EOP EL. 3.42
FL. EL. (–)2.40 (BK & RT)
BOTTOM EL. (–)3.40
FDOT INDEX 425-010 & 425-024

(S-10)
STA 304+50.00 (8.30' LT.)
CONST. MANHOLE TYPE P-7 ALT. B
RIM EL. 3.55
FL. EL. (–)2.50 (LT & AH)
BOTTOM EL. (–)3.50
FDOT INDEX 425-001 & 425-010

S-10
S-09
304+50.00

SCALE: 1"=20' (HOR.)
1"=5' (VER.)

SCALE: 1"=20' (HOR.)
1"=5' (VER.)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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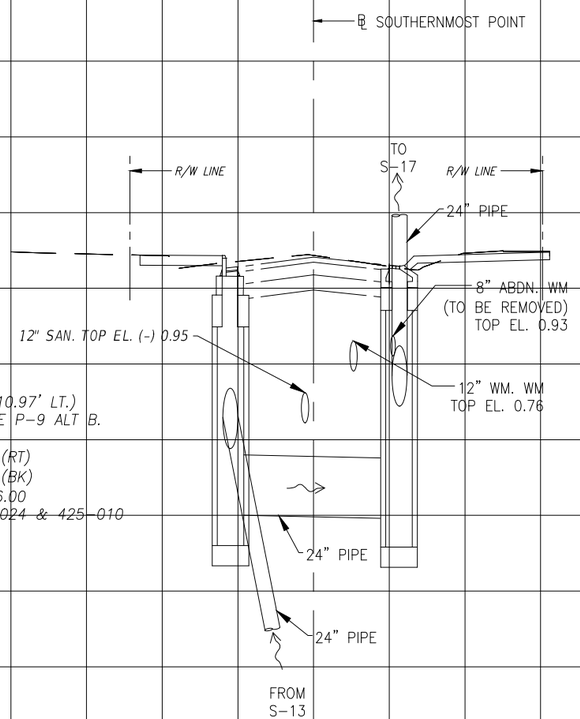
CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

DRAINAGE STRUCTURES

SHEET NO. R-23

PLOT DATE: 11/20/2025 10:02 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\DRAINAGE\10-CROSS SEC_DS-1.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



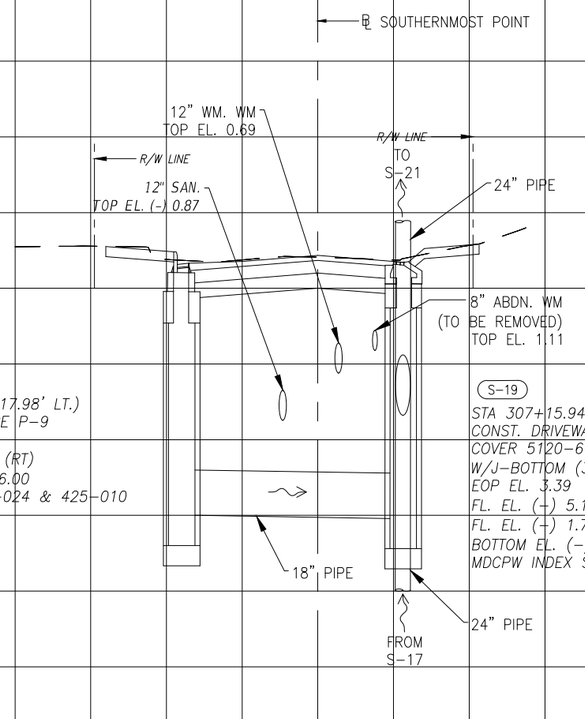
S-14

STA 305+58.37 (10.97' LT.)
CONST. INLET TYPE P-9 ALT B.
EOP EL. 3.20
FL. EL. (-) 5.00 (RT)
FL. EL. (-) 2.80 (BK)
BOTTOM EL. (-) 6.00
FDOT INDEX 425-024 & 425-010

S-15
S-14
305+58.37

S-15

STA 305+58.37 (11.28 RT.)
CONST. DRIVEWAY INLET, FRAME & COVER 5120-6167
W/J-BOTTOM (3.5'x4.0')
EOP EL. 3.26
FL. EL. (-) 5.10 (LT)
FL. EL. (-) 1.40 (AH)
BOTTOM EL. (-) 6.10
MDCPW INDEX SD 2.7



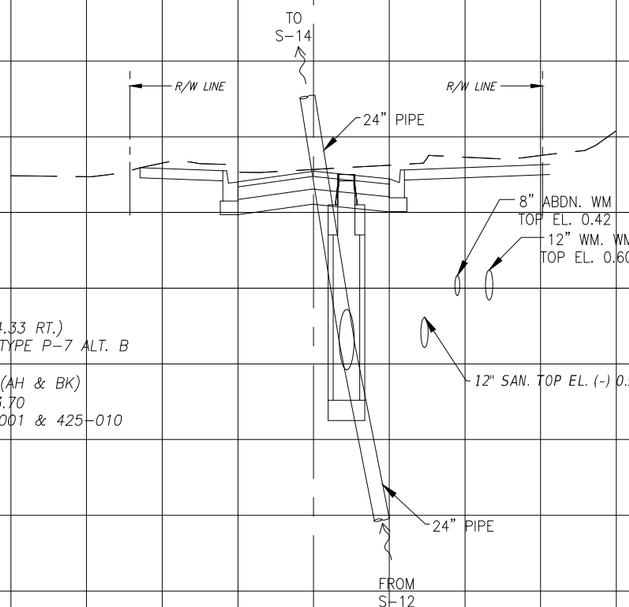
S-18

STA 307+15.94 (17.98' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.33
FL. EL. (-) 5.00 (RT)
BOTTOM EL. (-) 6.00
FDOT INDEX 425-024 & 425-010

S-19
S-18
307+15.94

S-19

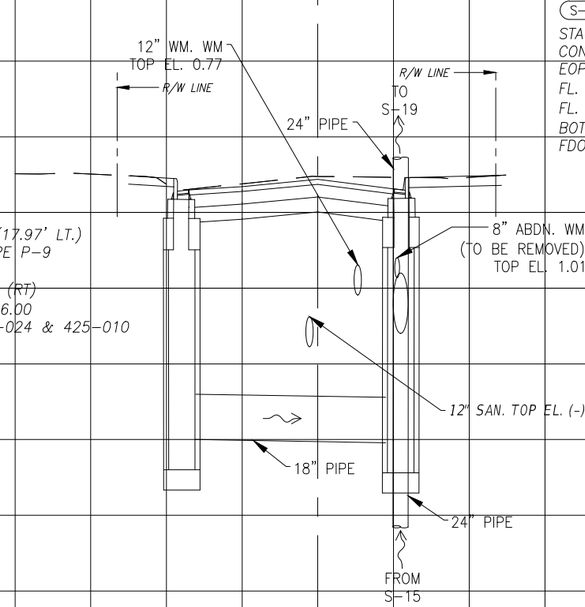
STA 307+15.94 (11.29' RT.)
CONST. DRIVEWAY INLET, FRAME & COVER 5120-6167
W/J-BOTTOM (3.5'x4.0')
EOP EL. 3.39
FL. EL. (-) 5.10 (RT)
FL. EL. (-) 1.70 (AH & BK)
BOTTOM EL. (-) 6.10
MDCPW INDEX SD 2.7



S-13

STA 305+18.65 (4.33 RT.)
CONST. MANHOLE TYPE P-7 ALT. B
RIM EL. 3.75
FL. EL. (-) 2.70 (AH & BK)
BOTTOM EL. (-) 3.70
FDOT INDEX 425-001 & 425-010

S-13
305+18.65



S-16

STA 305+86.24 (17.97' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.24
FL. EL. (-) 5.00 (RT)
BOTTOM EL. (-) 6.00
FDOT INDEX 425-024 & 425-010

S-17

STA 305+86.24 (10.96' RT.)
CONST. INLET TYPE P-9 ALT. B
EOP EL. 3.28
FL. EL. (-) 1.50 (AH & BK)
FL. EL. (-) 5.10 (LT)
BOTTOM EL. (-) 6.10
FDOT INDEX 425-024 & 425-010

S-17
S-16
305+86.24

SCALE: 1"=20' (HOR.)
1"=5' (VER.)

SCALE: 1"=20' (HOR.)
1"=5' (VER.)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

DRAINAGE STRUCTURES

SHEET NO. R-24

PLOT DATE: 11/20/2025 10:21 AM
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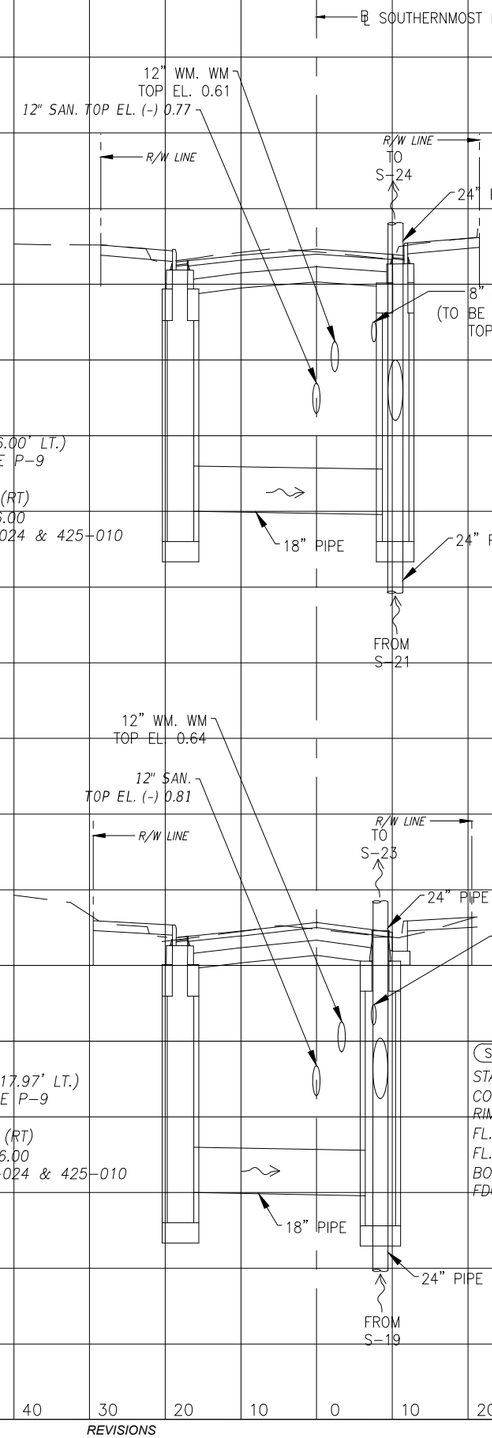

S-25
SEE DRAINAGE PLAN

S-24
SEE DRAINAGE DETAILS

S-23
309+04.74

S-22
309+00.00

S-21

S-20
308+28.81

S-22
STA 309+00.00 (6.00' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.28
FL. EL. (-) 5.00 (RT)
BOTTOM EL. (-) 6.00
FDOT INDEX 425-024 & 425-010

S-23
STA 309+04.74 (9.69' RT.)
CONST. INLET TYPE J-9 (3.5'x4.0') WITH ECCENTRIC BOTTOM
EOP EL. 3.48
FL. EL. (-) 2.00 (AH & BK)
FL. EL. (-) 5.10 (LT)
BOTTOM EL. (-) 6.10
FDOT INDEX 425-024 & 425-010

S-20
STA 308+28.81 (17.97' LT.)
CONST. INLET TYPE P-9
EOP EL. 3.47
FL. EL. (-) 5.00 (RT)
BOTTOM EL. (-) 6.00
FDOT INDEX 425-024 & 425-010

S-21
STA 308+28.81 (8.43' RT.)
CONST. MANHOLE TYPE P-7 (ALT. A, DIA. 4.0')
RIM EL. 3.69
FL. EL. (-) 1.90 (AH & BK)
FL. EL. (-) 5.10 (RT)
BOTTOM EL. (-) 6.10
FDOT INDEX 425-001 & 425-010

SCALE: 1"=20' (HOR.)
1"=5' (VER.)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

bcc engineering
Lazaro Ferrero, P.E.
P.E. License No. 58025
6401 SW 87 Ave, Suite 200
Miami, Florida 33173
Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

DRAINAGE STRUCTURES

SHEET NO.
R-25

PLOT DATE: 11/20/2025 10:22 AM
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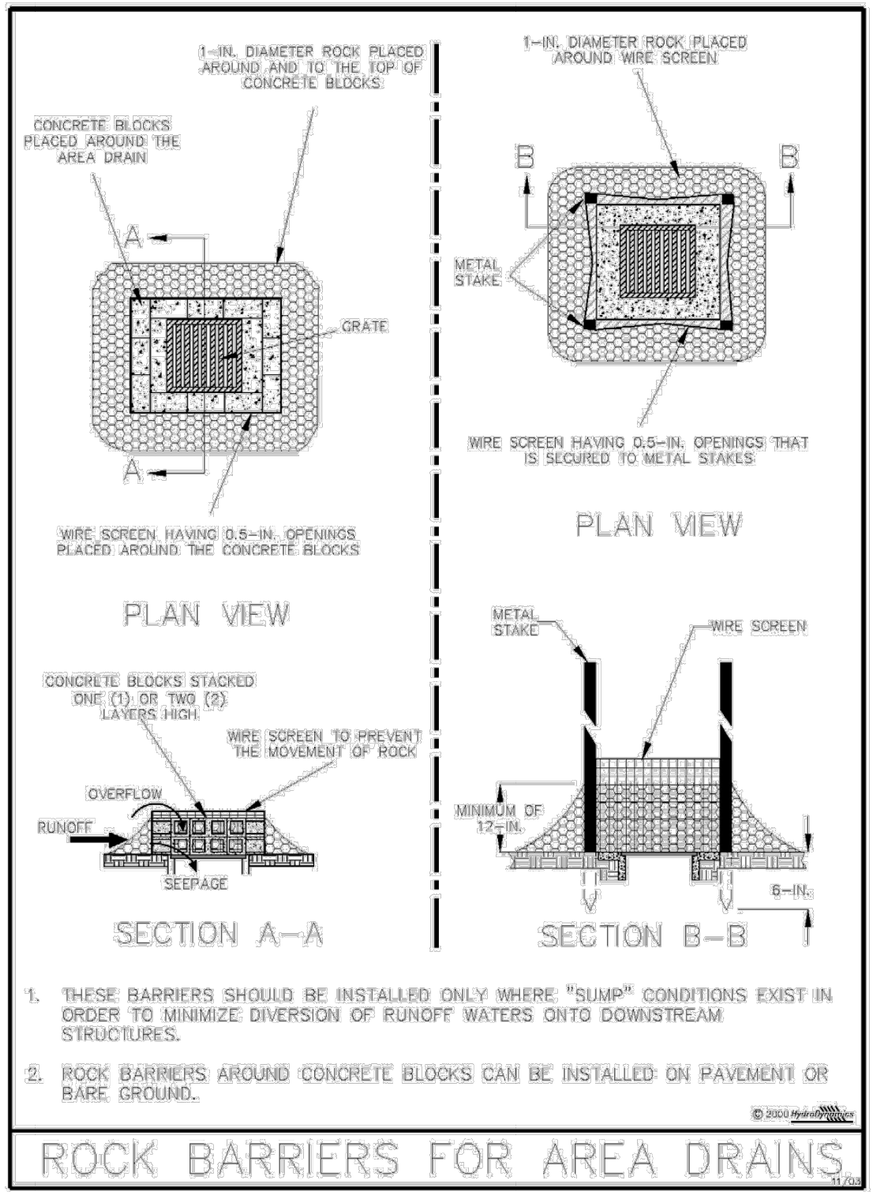

Figure V-13: Illustration of Rock Barriers around Area Drains

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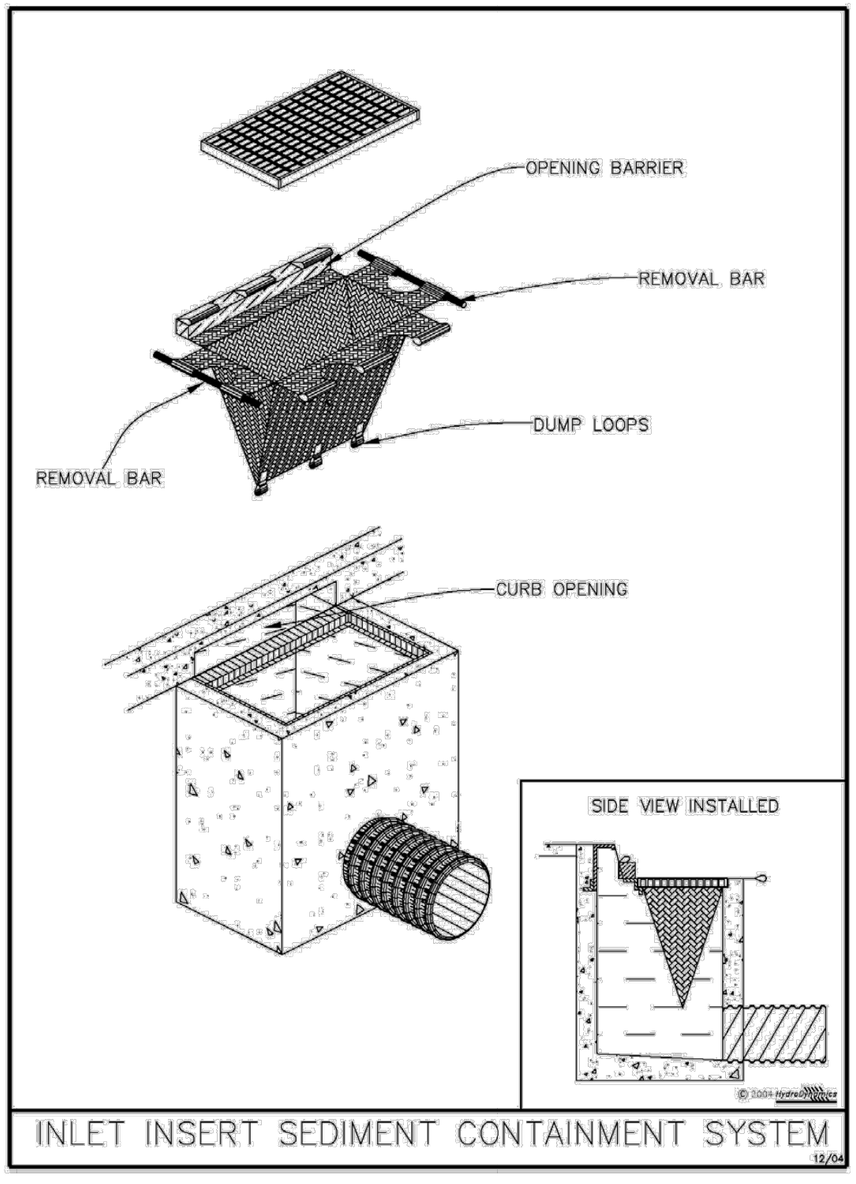

Figure V-18: Illustration of an Inlet Insert Sediment Containment System

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CITY OF KEY WEST ENGINEERING DEPARTMENT		
PROJECT NAME	PROJECT NO.	DRAINAGE DETAILS
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401	SHEET NO. R-26

Pollution Control Structure Information											
Structure No.	STA.	SIDE	OFFSET	TWO CHAMBER LENGTH (ft)	TWO CHAMBER WIDTH (FT)	RIM EL. (NAVD,Ft)	BOTTOM EL. (NAVD,Ft)	INLET PIPE DIA. (In)	INLET PIPE EL. (NAVD,Ft)	OUTLET PIPE DIA. (In)	OUTLET PIPE EL. (NAVD,Ft)
S-24	309+20.40	RT	8.25	6.50	4.00	3.40	(-) 5.60	24	(-) 2.10	18	-1.10

Injection Well (Gravity) Information								
Structure No.	STA.	SIDE	OFFSET	RIM EL. (NAVD,Ft)	BOTTOM EL. (NAVD,Ft)	INLET PIPE DIA. (In)	INLET PIPE EL. (NAVD,Ft)	Remarks
DW-01	304+71.50	LT	14.12	3.80	N/A	24	(-) 4.96	Redevelop Existing Well.

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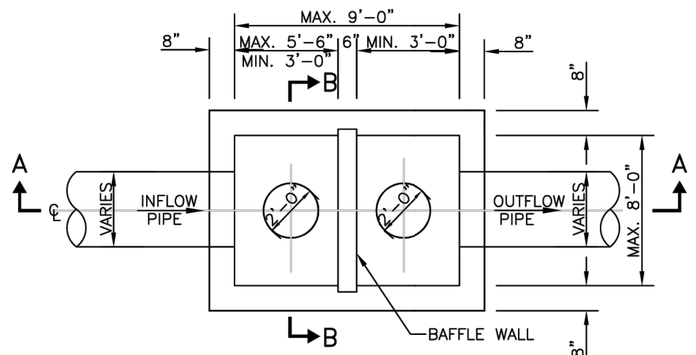
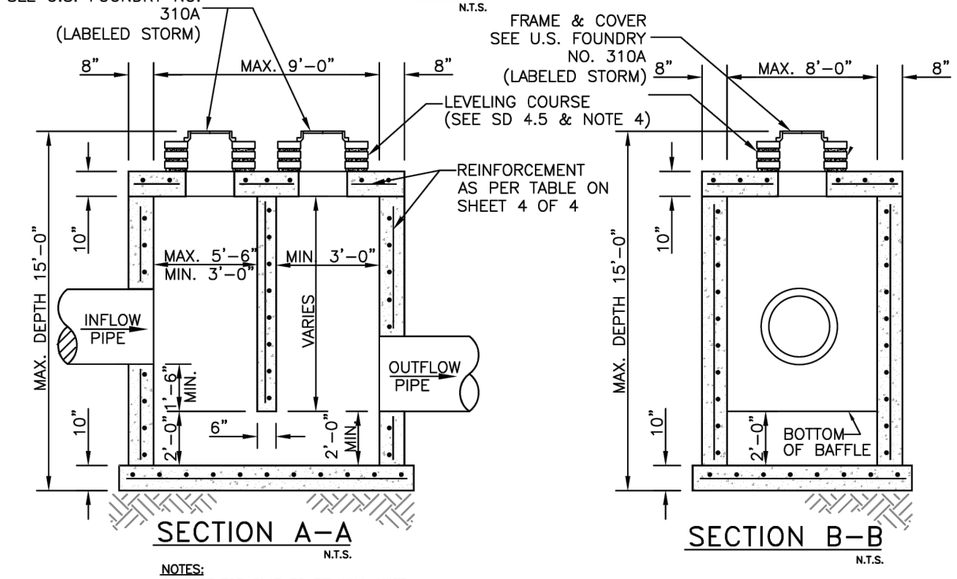
TWO CHAMBERS WITH A BAFFLE WALL (2C)



PLAN
N.T.S.



SECTION A–A
N.T.S.

SECTION B–B
N.T.S.

NOTES:
1.–CAST TOP SLAB TO FIT WALL USED.
2.–PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
3.– USE 4,000 psi CONCRETE. (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.–A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5.–INVERT ELEVATION OF OUTFLOW PIPE SHALL BE EQUAL OR HIGHER THAN BOTTOM ELEVATION OF BAFFLE WALL.
6.–BOTTOM ELEVATION OF BAFFLE WALL SHALL BE 6" BELOW LOW MONTH WATER LEVEL OR 1.5' FROM INFLOW PIPE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018 9/27/2012	STANDARD STORM DRAINAGE DETAIL POLLUTION CONTROL STRUCTURE	SD 5.2 SHEET 3 OF 4

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CITY OF KEY WEST ENGINEERING DEPARTMENT		
PROJECT NAME	PROJECT NO.	DRAINAGE DETAILS
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401	SHEET NO. R-28

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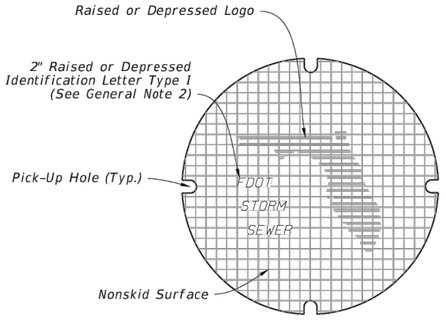
GENERAL NOTES:

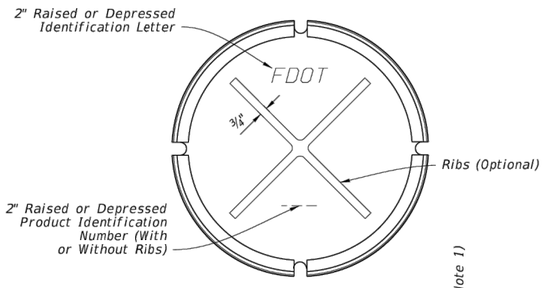
1. Use a 1-piece cover, unless the 2-piece cover is called for in the Plans, except at inlets and manholes with sump bottoms. Use the 2-piece cover when the sump depth exceeds 2', unless otherwise noted.
2. Include "Adjustable" on the cover for Type I manhole adjustable frames.
3. For square or rectangular precast drainage structures, use either deformed or smooth WWR meeting the requirements of Specification 931. WWR must be continuous around the box and lapped in accordance with Option 1 or 3 as shown in the Wall Reinforcing Splice Details.
4. Lap splice horizontal steel in the walls of rectangular structures in accordance with Option 1, 2 or 3 as shown in the Wall Reinforcing Splice Details.
5. Welding of splices and laps is permitted. Use AASHTO M259 requirements and restrictions on welds.
6. Rebar straight end embedment of peripheral reinforcement may be used in lieu of ACI standard hooks for top and bottom slabs, except when hooks are specifically called for in the Plans.
7. Precast opening for pipe must be the pipe OD plus 6" (± 2" tolerance). Use mortar to seal the pipe into the opening of such a mix that shrinkage will not cause leakage into or out of the structure. Dry-pack mortar may be used to seal openings less than 2½" wide.

TABLE OF CONTENTS:

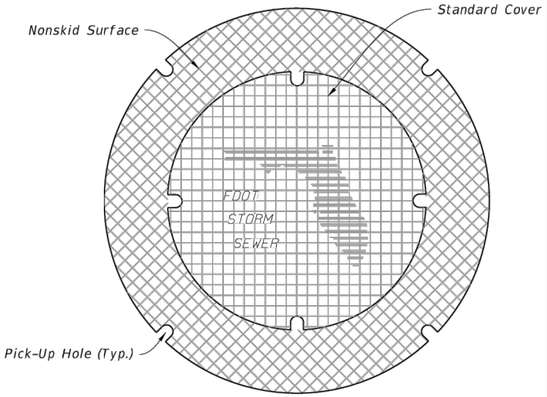
Sheet	Description
1	General Notes, Contents, Manhole Top Overview, and Manhole Covers
2	Manhole Frames and Manhole Tops
3	Inlet Locking Grates, Subgrade and Base Temporary Drains, and Pipe to Structure Geotextile Wrap
4	Drainage Structure Invert, Sump Bottom, Wall Reinforcing Splice Details, and Typical Slab to Wall Details
5	Precast Option and Equivalent Reinforcement substitution
6	Construction Joints and Minimum Box Riser Segment Dimensions
7	Skewed Pipe in Rectangular Structures
8	Miscellaneous Pipe Connection Details



PLAN



BOTTOM



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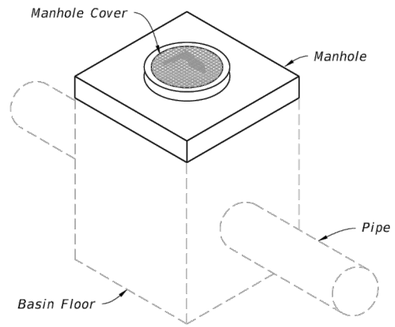
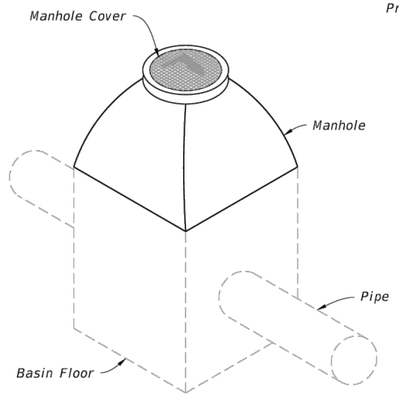


TYPE 7



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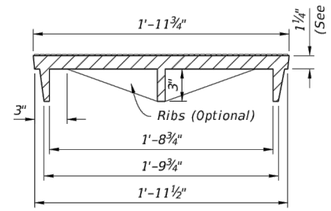
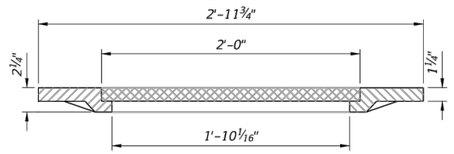
MANHOLE TOPS



ELEVATION

1-PIECE COVER



ELEVATION

2-PIECE COVER

MANHOLE COVERS

LAST REVISION	REVISION	DESCRIPTION:
11/01/23		

FDOT FY 2025-26 STANDARD PLANS

SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES

INDEX 425-001 | SHEET 1 of 8

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

DRAINAGE DETAILS

SHEET NO. R-29

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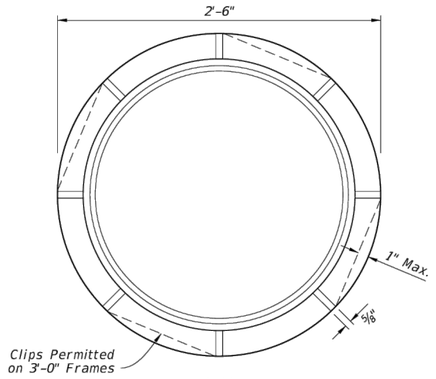
TABLE 1 WEIGHT OF CASTINGS (lb)						
Frame Type	2'-0" OPENING		3'-0" OPENING			
	Frame	Cover (Std.)	Frame	2-Piece Cover		
				Inside	Outside	Total
I	155	190	220	190	220	410
II	145	190	255	190	220	410
III	90	190	180	190	220	410

NOTE:
Frame Type I in Table 1, includes Adjustable frames.



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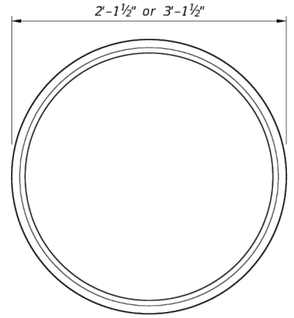

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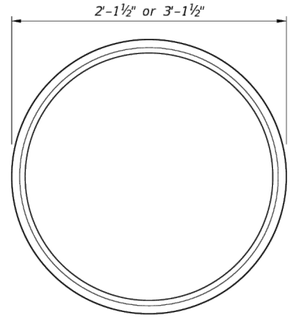

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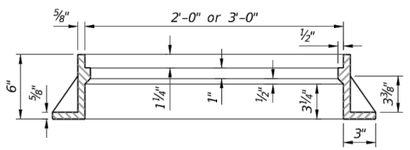
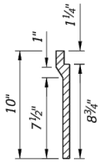
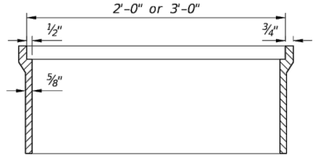


ELEVATION

TYPE I
(For Manholes)

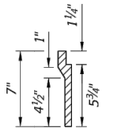


WALL SECTION



ELEVATION

TYPE II
(For Curb Inlets Types 1, 2, 3, & 4)



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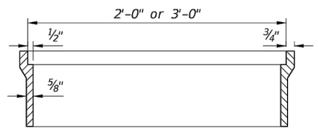
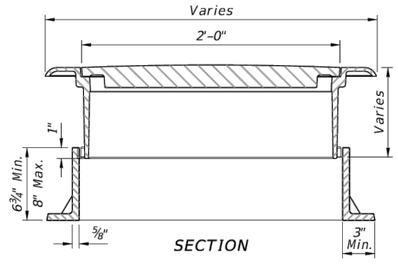


ELEVATION

TYPE III
(For Curb Inlets Types 7 & 8)

MANHOLE FRAMES



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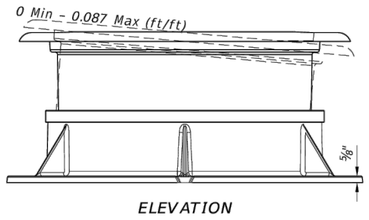
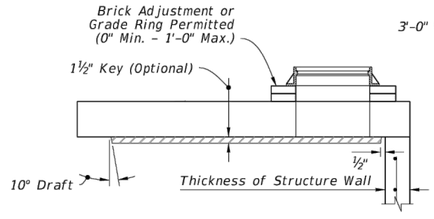
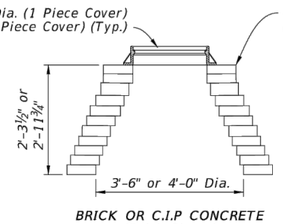


ELEVATION

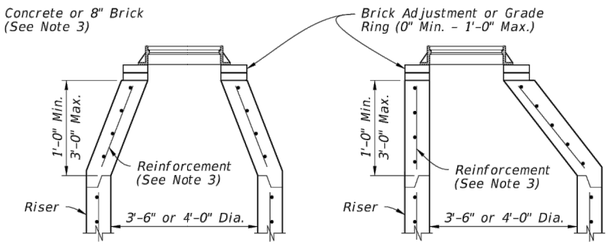
TYPE I ADJUSTABLE FRAME



TYPE 7



BRICK OR C.I.P CONCRETE
(Brick Shown)



PRECAST CONCENTRIC CONE

PRECAST ECCENTRIC CONE

TYPE 8

NOTES:

1. Use Class II concrete for Manhole top Type 7 slabs.
2. Manhole top Type 7 slabs may be of cast-in-place or precast construction. The optional key is for precast tops and in lieu of dowels. Omit frame and slab openings when top is used over a junction box.
3. Manhole top Type 8 may be of cast-in-place, precast concrete construction, or brick construction. For concrete construction, use the same concrete and steel reinforcement as the supporting wall unit. An eccentric cone may be used.
4. Use construction joint options, as shown on Sheet 6 to secure manhole tops to structures.
5. Frames may be adjusted to a maximum 12" height with brick or precast ASTM C478 grade rings.
6. Manhole top Type 8 may be substituted for a Type 7, if the minimum dimensions are not reduced.
7. Manhole top Type 7 may be substituted for Type 8, if the minimum thickness (h) above pipe opening cannot be maintained with Type 8.

MANHOLE TOPS

MANHOLE FRAMES AND MANHOLE TOPS

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FY 2025-26 STANDARD PLANS	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	INDEX 425-001	SHEET 2 of 8

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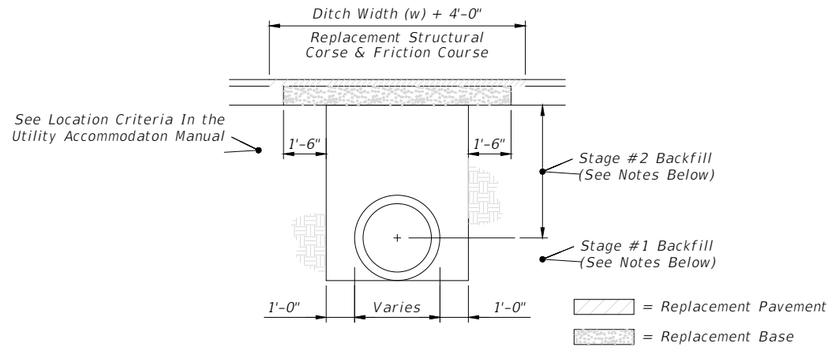
CITY OF KEY WEST ENGINEERING DEPARTMENT		DRAINAGE DETAILS	SHEET NO.
PROJECT NAME	PROJECT NO.		R-30
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401		

GENERAL NOTES

1. The details provided in this standard index apply to cases in which jack and bore or directional boring methods are not required by the Engineer.
2. Flowable fill shall not be placed directly over loose, or high plastic, or muck material (see Index 505) which will cause settlement due to fill weight. Where highly compressible material exists, the amount, shape and depth of flowable fill must be engineered to prevent pavement settlement.
3. These details do not apply to utility cuts longitudinal to the centerline of the roadway which may require the additional use of geotextiles, special bedding and backfill, or other special requirements.
4. Method of construction must be approved by the Engineer.
5. Some pipe may require special granular backfill up to 6" above top of pipe. Geotextiles may be required to encapsulate the special granular material.
6. Where asphalt concrete overlays exist over full slab concrete pavement, the replacement pavement shall have an overlay constructed over the replacement slab. The overlay shall match the existing asphalt pavement thickness. The replacement friction course shall match the existing friction course, except structural course may be used in lieu of dense graded friction course.
7. All shoulder pavement, curb, curb and gutter, and their substructure disturbed by utility trench cut construction shall be restored in kind.
8. The use of flowable fill to reduce the time traffic is taken off a facility is acceptable but must have prior approval by the Engineer. Flowable fill use is allowed only when properly engineered for pavement crossings, whether straight or diagonal, and shall not be installed for significant depths or lengths. The maximum length shall be fifty (50) feet and a maximum depth of six (6) feet unless supported by an engineering document prepared by a registered professional engineer that specializes in soils engineering. The engineering document shall address the evaluation of local groundwater flow interruption and settlement potential.
9. Excavatable flowable fill is to be used when the flowable fill option is selected.



NOTES:

PAVEMENT REMOVAL AND REPLACEMENT

1. Pavement shall be mechanically sawed.
2. The replacement asphalt shall match the existing structural and friction courses for type and thickness in accordance with current FDOT asphalt mix specifications.
3. The new base materials shall be either of the same type and composition as the materials removed or of equal or greater structural adequacy (See Index No. 514).

BACKFILL OPTION

1. COMPACTED AND STABILIZED FILL

   A. Backfill material shall be placed in accordance with Section 125 of the Standard Specifications.

   B. In Stage #1, construct compacted fill beneath the haunches of the pipe, using mechanical tamps suitable for this purpose. This compaction applies to the material placed beneath the haunches of the pipe and above any bedding.

   C. In Stage #2, construct compacted fill along the sides of the pipe and up to the bottom of the base, with the upper 12" receiving Type B Stabilization. In lieu of Type B Stabilization, the Contractor may construct using Optional Base Group 3.

2. FLOWABLE FILL

   A. If compaction can not be achieved through normal mechanical methods then flowable fill may be used.

   B. Flowable fill is to be placed in accordance with Section 121 of the Specifications, as approved by the Engineer.

   C. Do not allow the utility being installed to float. If a method is provided to prevent flotation from occurring, Stages #1 and #2 can be combined, if approved by the Engineer.

   D. In Stage #1, place flowable fill midway up on both sides of the utility. Allow to harden before placing Stage #2.

   E. In Stage #2, place flowable fill to the bottom of the existing base course.

FLEXIBLE PAVEMENT CUT

TRENCH CUTS AND RESTORATIONS ACROSS ROADWAYS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LAZARO FERRERO, P.E.
P.E. License No. 58025
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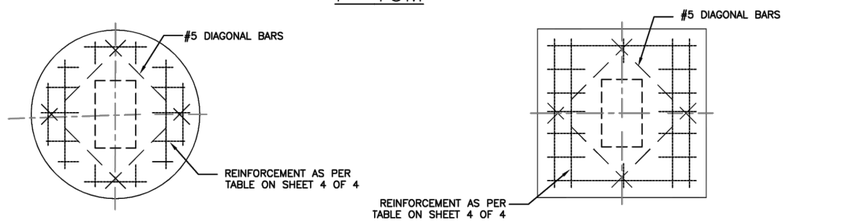
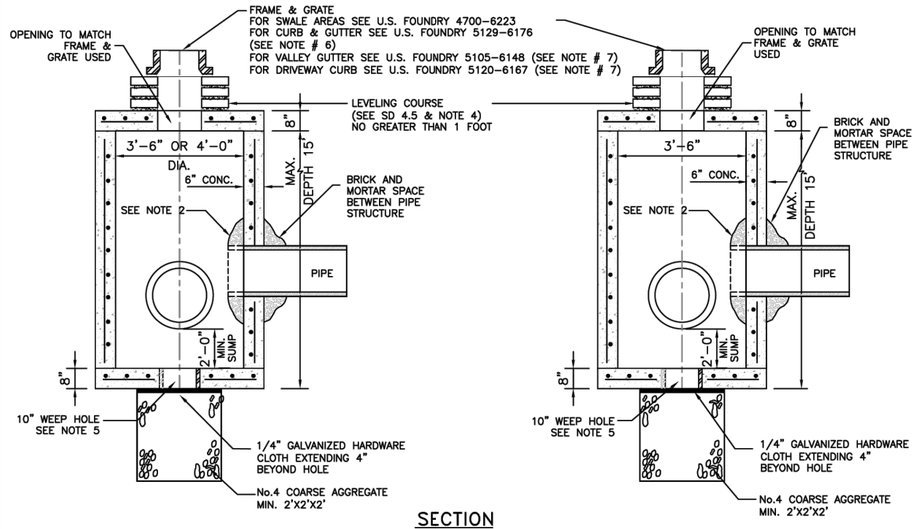
CITY OF KEY WEST ENGINEERING DEPARTMENT		
PROJECT NAME	PROJECT NO.	DRAINAGE DETAILS
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401	

SHEET NO. R-31

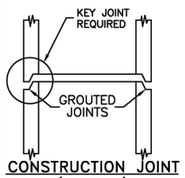
PLOT DATE: 4/25/2025 11:32 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\DRAINAGE\10-DRAINAGE_DETAILS.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

P-10M





SECTION



CONSTRUCTION JOINT
(OPTIONAL)

NOTES:

1.- CAST TOP SLAB TO FIT WALL USED.
2.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
3.- USE 4,000 psi CONCRETE. (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6.- USF 5129-6176 MAY ONLY USED WHEN STRUCTURES ARE TO BE PLACED WITHIN THE RADIUS OF A CORNER AND ITS USE MUST BE APPROVED BY THE DEPARTMENT. THE USE OF THIS FRAME AND GRATE IS NOT INTENDED TO REPLACE STANDARD CURB INLET TOPS. FOR CURB INLETS PLEASE REFER TO FDOT DESIGN STANDARDS INDEX 210 AND 211. INSTALLATION IN OTHER LOCATIONS IS NOT PERMITTED UNLESS APPROVED BY THE DEPARTMENT AS A RESULT OF MITIGATING CIRCUMSTANCES.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 2 OF 4

SQUARE STRUCTURE

Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	3.5	0.0 - 5.0	6.0	#4@10"H #4@10"V	8.0	#4@7" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	5.1 - 10.0	6.0	#4@9"H #4@10"V	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	10.1-15.0	6.0	#5@6"H #4@10"V	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

ROUND STRUCTURE

Standard Detail	Dia. (ft) Min.	Dia. (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	4.0	0.0 - 5.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@7" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	5.1 - 10.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	10.1 - 15.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 4 OF 4

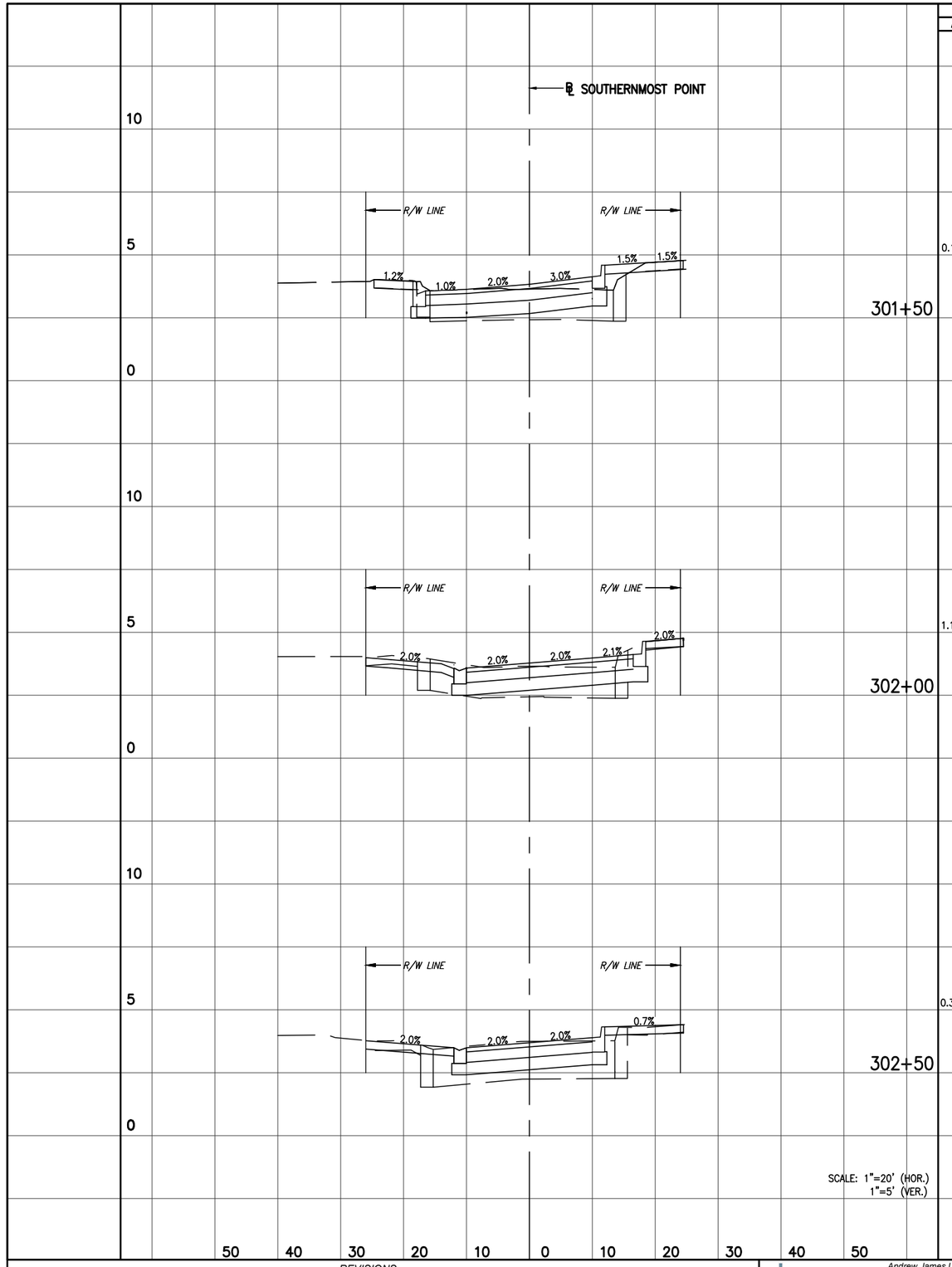
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLOT DATE: 1/12/2026 9:20 AM

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT

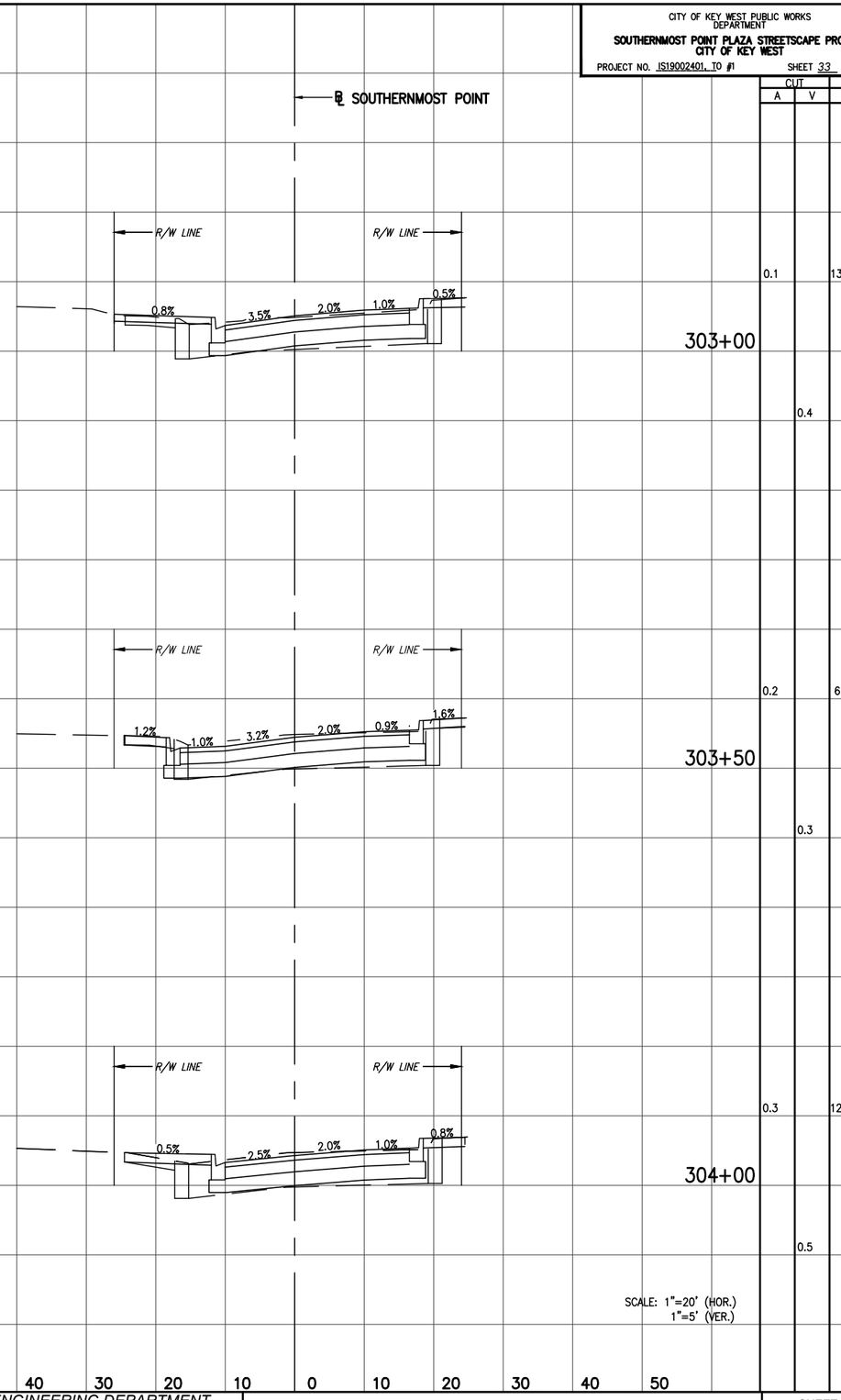
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST

PROJECT NO. IS19002401, TO #1 SHEET 33 OF 77



	CUT A	CUT V	FILL A	FILL V
301+50	0.1		13.9	
		0.0		0.0
302+00	1.1		13.1	
		1.2		25.1
302+50	0.3		22.3	
		1.3		32.8

SCALE: 1"=20' (HOR.)
1"=5' (VER.)



	CUT A	CUT V	FILL A	FILL V
303+00	0.1		13.4	
		0.4		33.1
303+50	0.2		6.1	
		0.3		18.1
304+00	0.3		12.8	
		0.5		17.5

SCALE: 1"=20' (HOR.)
1"=5' (VER.)

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FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\10-CROSS SEC.DWG

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT

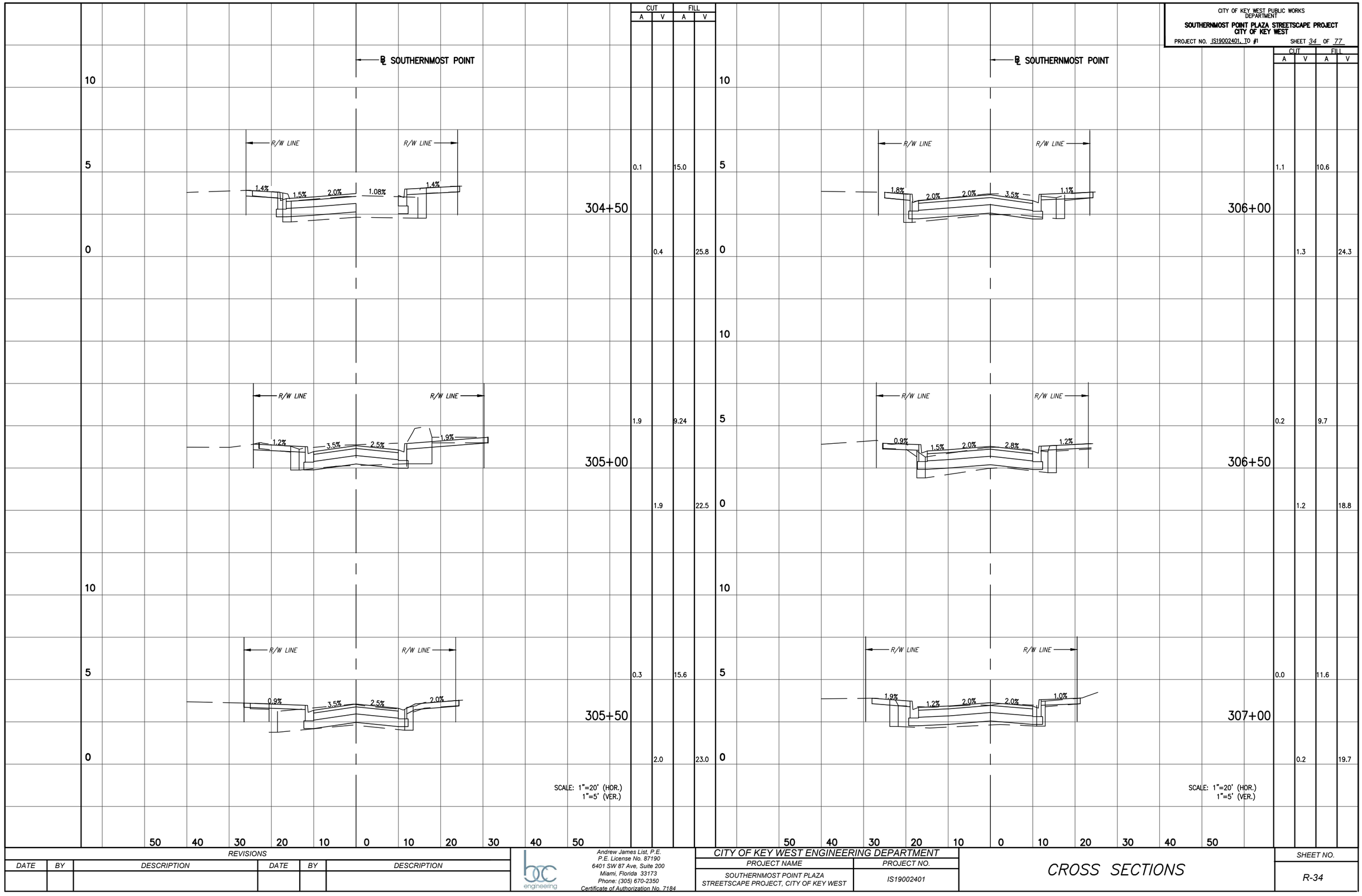
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

CROSS SECTIONS

SHEET NO. R-33

PLOT DATE: 1/12/2026 9:20 AM

FILE LOCATION: H:\PROJECTS\102272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\B-CAD\ROADWAY\10-CROSS SEC.DWG



CITY OF KEY WEST PUBLIC WORKS DEPARTMENT

SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST

PROJECT NO. IS19002401, TO #1 SHEET 34 OF 77

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT		
PROJECT NAME	PROJECT NO.	SHEET NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401	R-34

CROSS SECTIONS

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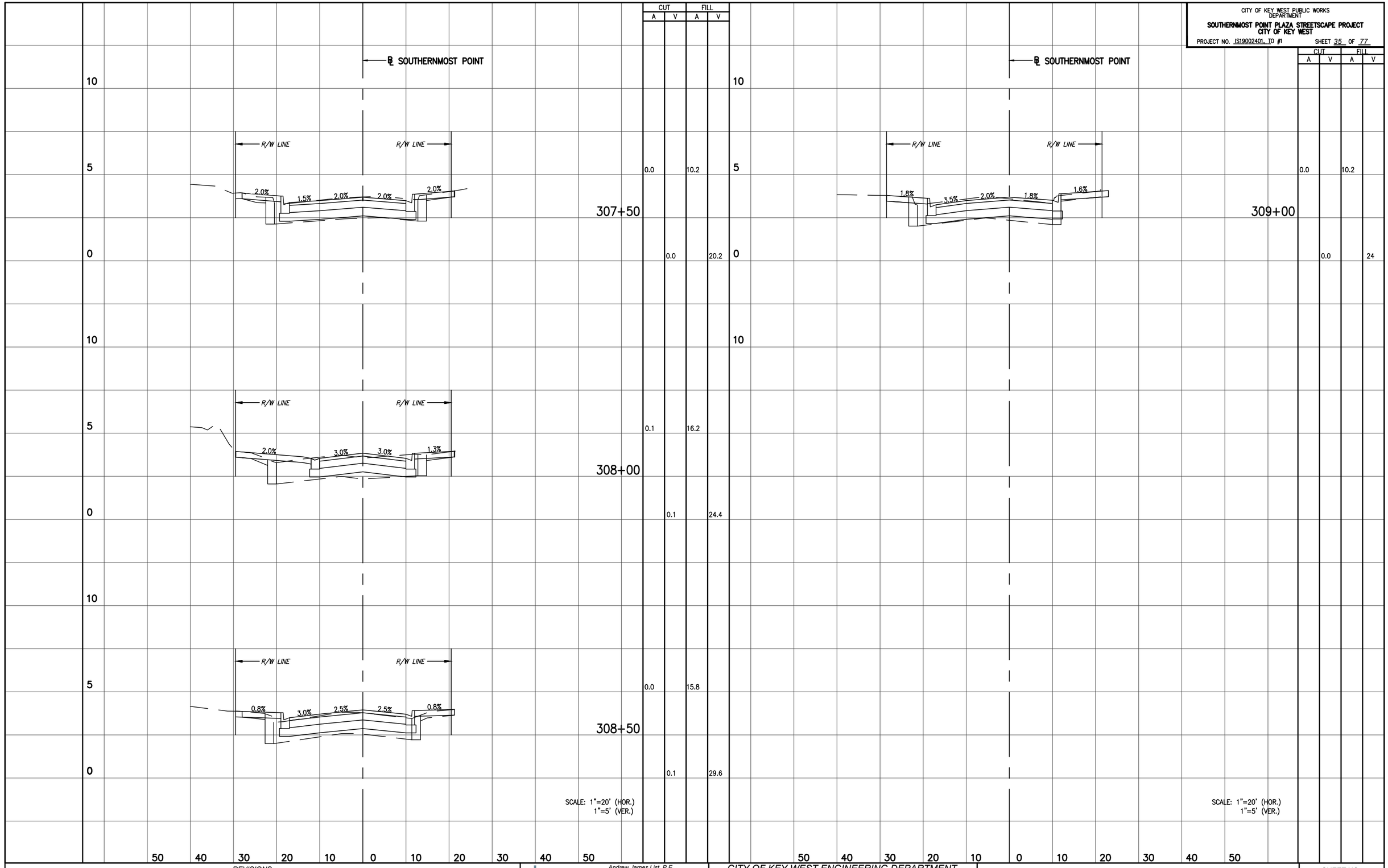
FILE LOCATION: H:\PROJECTS\102272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\10-CROSS SEC.DWG

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT

SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT CITY OF KEY WEST

PROJECT NO. IS19002401, TO #1 SHEET 35 OF 77



	CUT		FILL	
	A	V	A	V
307+50	0.0		10.2	
		0.0		20.2
308+00	0.1		16.2	
		0.1		24.4
308+50	0.0		15.8	
		0.1		29.6
309+00	0.0		10.2	
		0.0		24

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

CROSS SECTIONS

SHEET NO. R-35

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0 10 20
SCALE 1"= 20'

END MILLING AND RESURFACING,
BEGIN RECONSTRUCTION
STA. 301+01.22, ℄ SOUTHERNMOST POINT =
STA. 100+31.06, 1.0' LT., ℄ SURVEY WHITEHEAD STREET
MEET AND MATCH EXISTING

BEGIN PROJECT,
BEGIN MILLING AND RESURFACING
STA. 300+42.56, ℄ SOUTHERNMOST POINT =
N: 78646.96 E: 390813.34
MEET AND MATCH EXISTING

Beg. STA. 300+00.00

300+00 301+00 302+00 303

SAN WM B.T. EXIST 6" WM (ABDN) EXIST 12" DIP WM

MATCH LINE STA. 303+00

MATCH LINE STA. 303+00

304+00 305+00

PT STA. 305+52.16

PC STA. 304+87.84

B.T. B.F.O. EXIST 8" WM EXIST 12" WM

MATCH LINE STA. 305+60

0 10 20
SCALE 1"= 20'

LEGEND

1. EXISTING VALVE/WATER METER/PULL BOX TO BE ADJUSTED
2. EXISTING FIRE HYDRANT TO BE ADJUSTED
3. EXISTING MANHOLE TO BE ADJUSTED
4. EXISTING UTILITY TO BE RELOCATED AROUND CONFLICT
5. EXISTING GUY WIRE ANCHOR TO BE ADJUSTED
6. EXISTING INLET TO BE ADJUSTED

WORK ZONE (PHASE 1)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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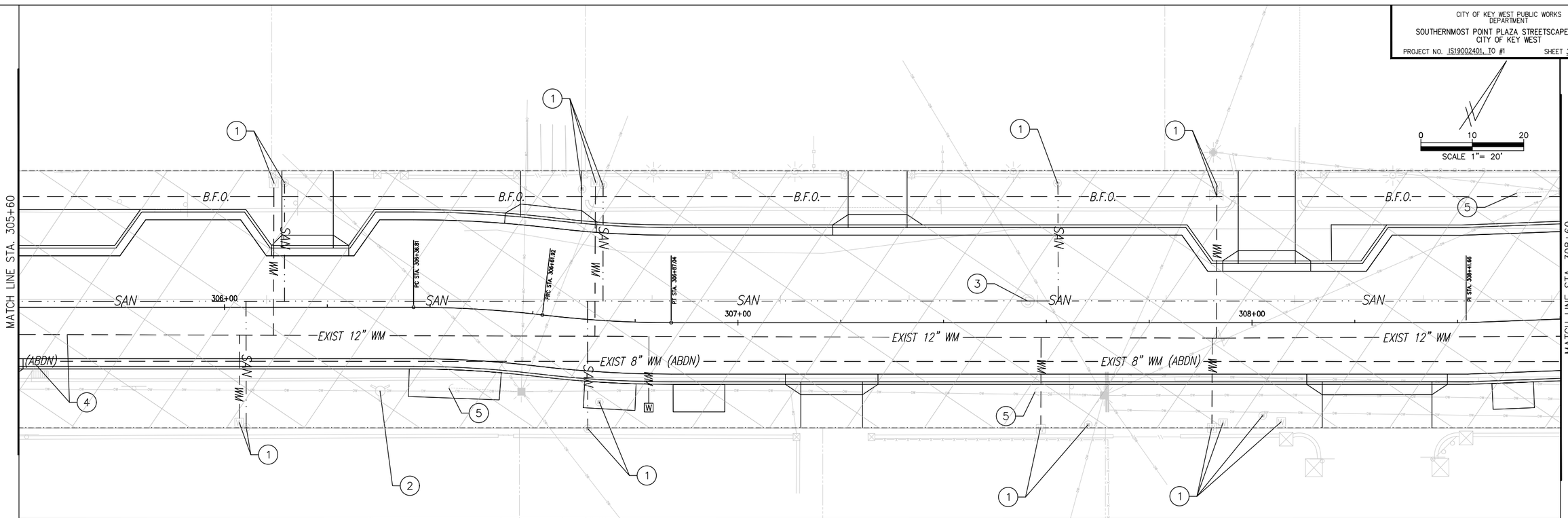
CITY OF KEY WEST ENGINEERING DEPARTMENT

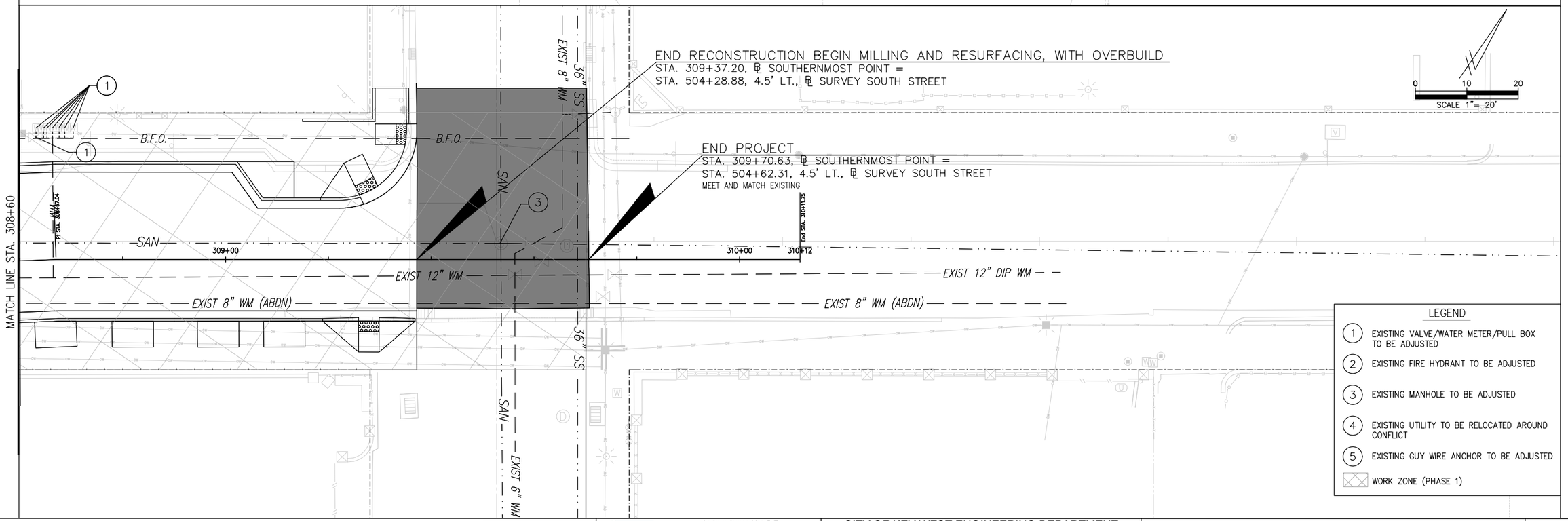
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

UTILITY ADJUSTMENTS

SHEET NO. R-36

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\UTILITY\UTILITY SHEETS-PHASE 1.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





END RECONSTRUCTION BEGIN MILLING AND RESURFACING, WITH OVERBUILD
STA. 309+37.20, ℄ SOUTHERNMOST POINT =
STA. 504+28.88, 4.5' LT., ℄ SURVEY SOUTH STREET

END PROJECT
STA. 309+70.63, ℄ SOUTHERNMOST POINT =
STA. 504+62.31, 4.5' LT., ℄ SURVEY SOUTH STREET
MEET AND MATCH EXISTING

LEGEND

1. EXISTING VALVE/WATER METER/PULL BOX TO BE ADJUSTED
2. EXISTING FIRE HYDRANT TO BE ADJUSTED
3. EXISTING MANHOLE TO BE ADJUSTED
4. EXISTING UTILITY TO BE RELOCATED AROUND CONFLICT
5. EXISTING GUY WIRE ANCHOR TO BE ADJUSTED

WORK ZONE (PHASE 1)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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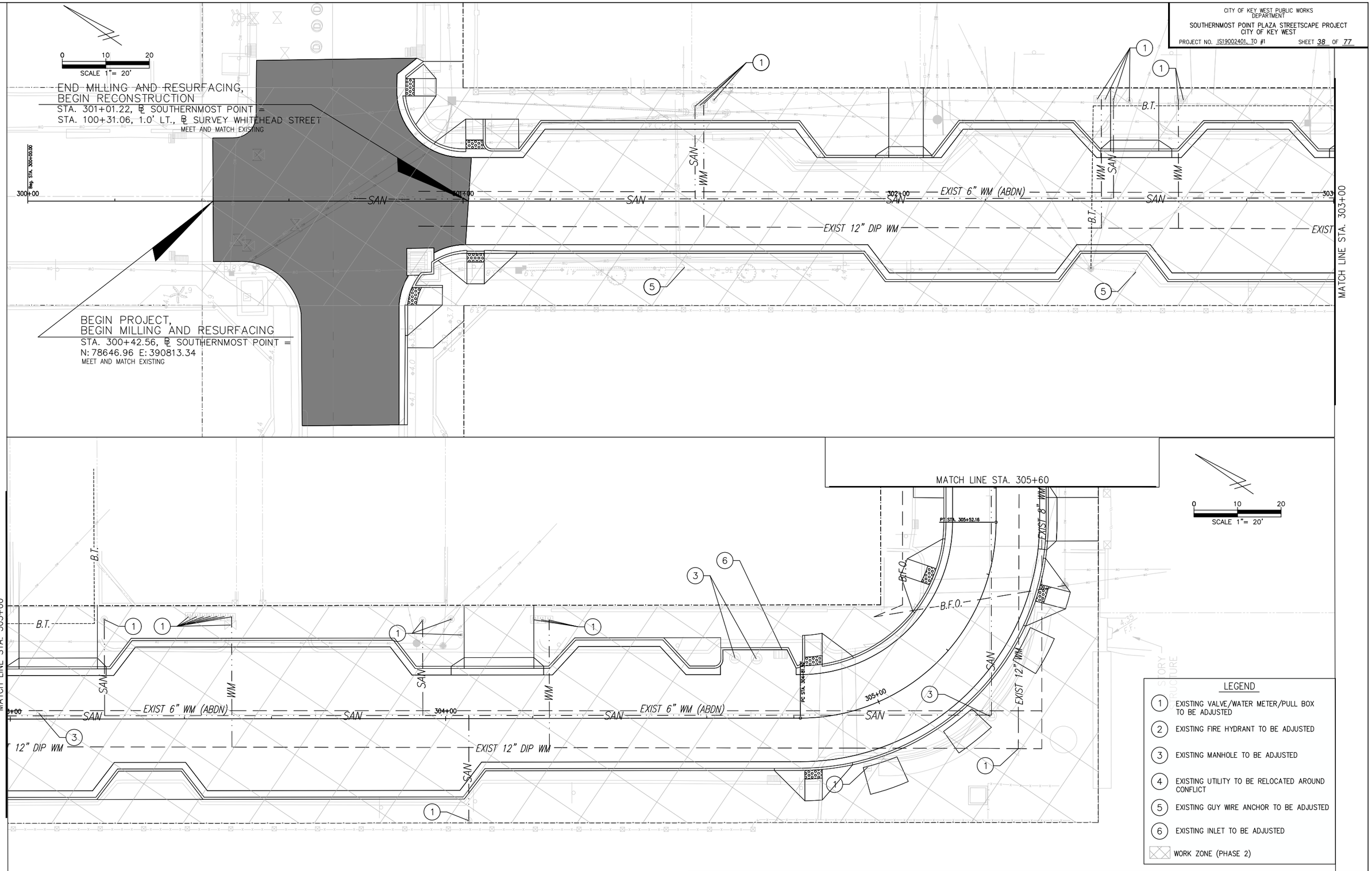
CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

UTILITY ADJUSTMENTS

SHEET NO. R-37

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\UTILITY\UTILITY SHEETS-PHASE 1.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

UTILITY ADJUSTMENTS

SHEET NO. R-38

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\UTILITY\UTILITY SHEETS-PHASE 2.DWG
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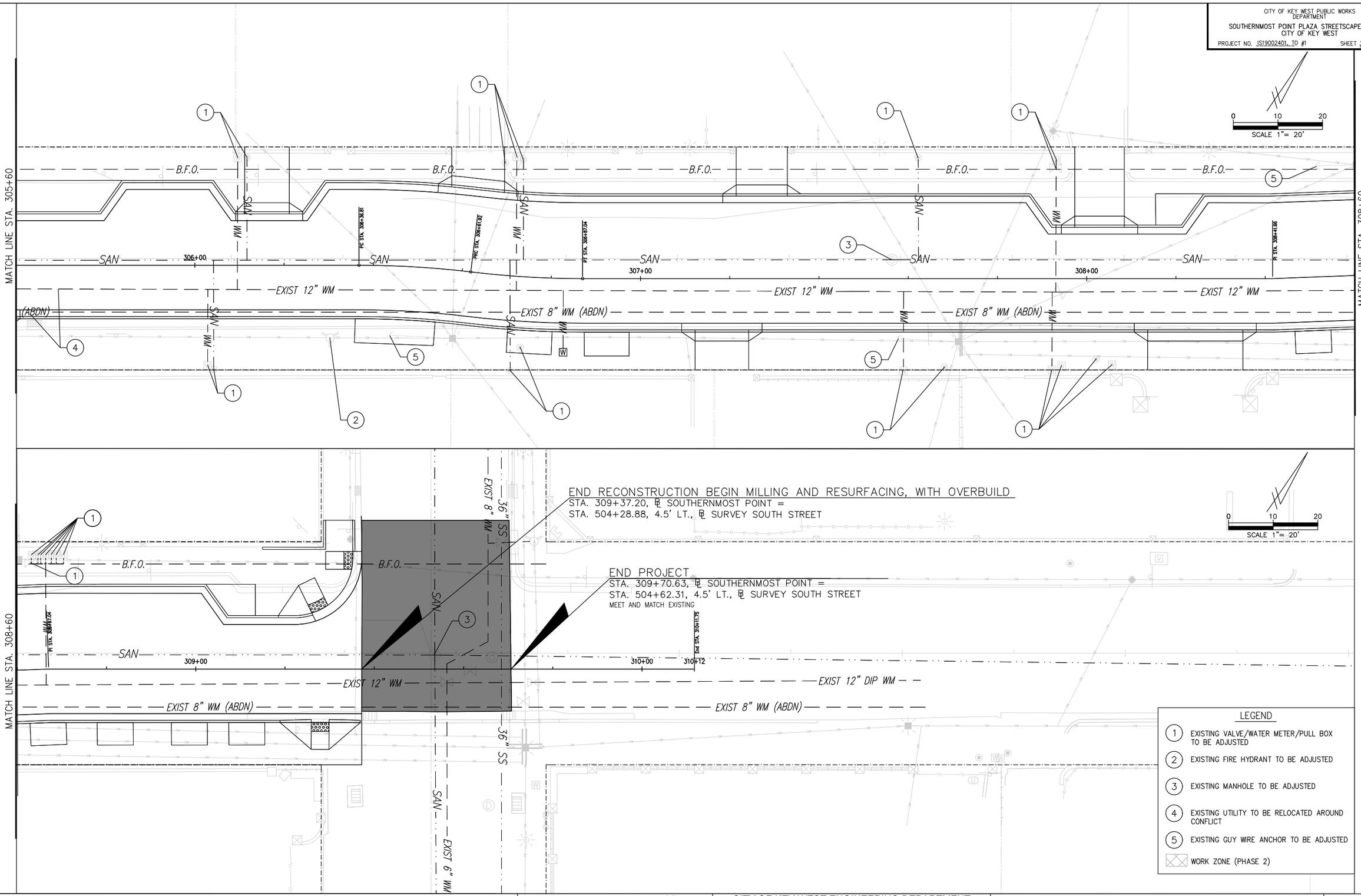

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

UTILITY ADJUSTMENTS

SHEET NO. R-39

PLOT DATE: 1/12/2026 9:21 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\UTILITY\UTILITY SHEETS-PHASE 2.DWG
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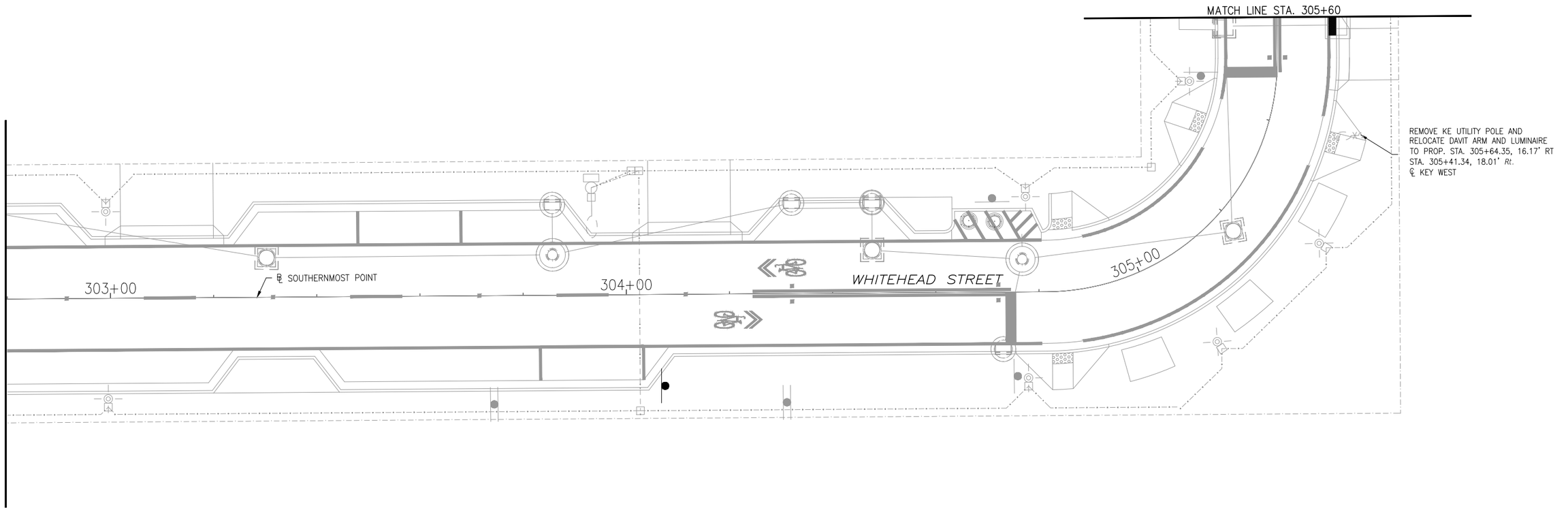
PLOT DATE: 1/12/2026 10:37 AM

0 10 20
SCALE 1"= 20'



NOTE:
KEYS ENERGY TO REMOVE AND REPLACE UTILITY POLE AFTER DEMO HAS OCCURRED. CONTRACTOR TO COORDINATE WITH KEYS ENERGY.

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

bcc engineering
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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

UTILITY RELOCATION

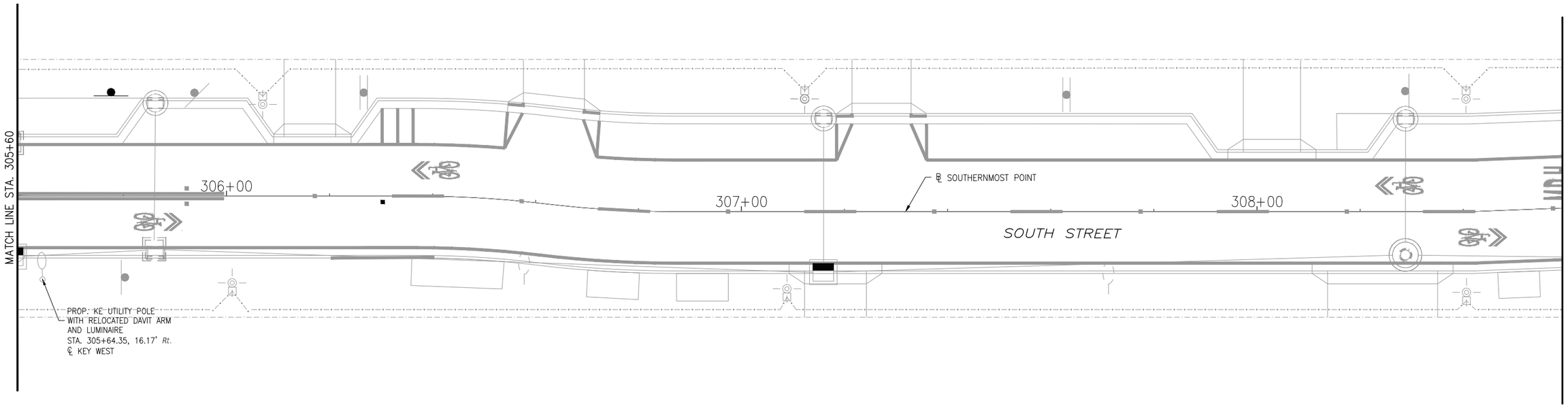
SHEET NO.
R-40

FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\00257342\PLANLT02.DWG

PLOT DATE: 1/12/2026 10:37 AM

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST
PROJECT NO. IS19002401, TO #1 SHEET 41 OF 77

0 10 20
SCALE 1"= 20'



NOTE:
KEYS ENERGY TO REMOVE AND REPLACE UTILITY POLE AFTER DEMO HAS OCCURRED. CONTRACTOR TO COORDINATE WITH KEYS ENERGY.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

bcc engineering
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Miami, Florida 33173
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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

UTILITY RELOCATION

SHEET NO.
R-41

FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\00257342\PLANLT02.DWG

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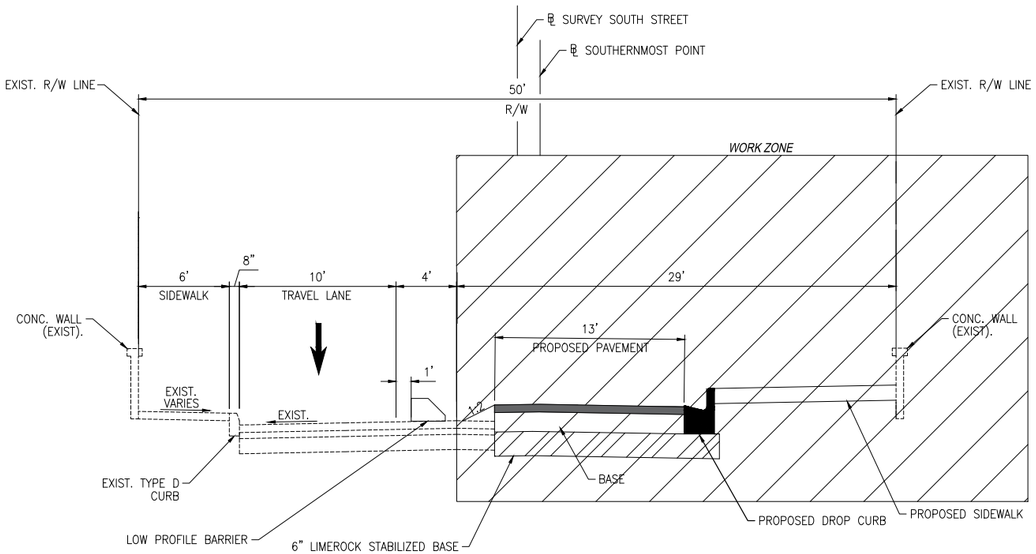
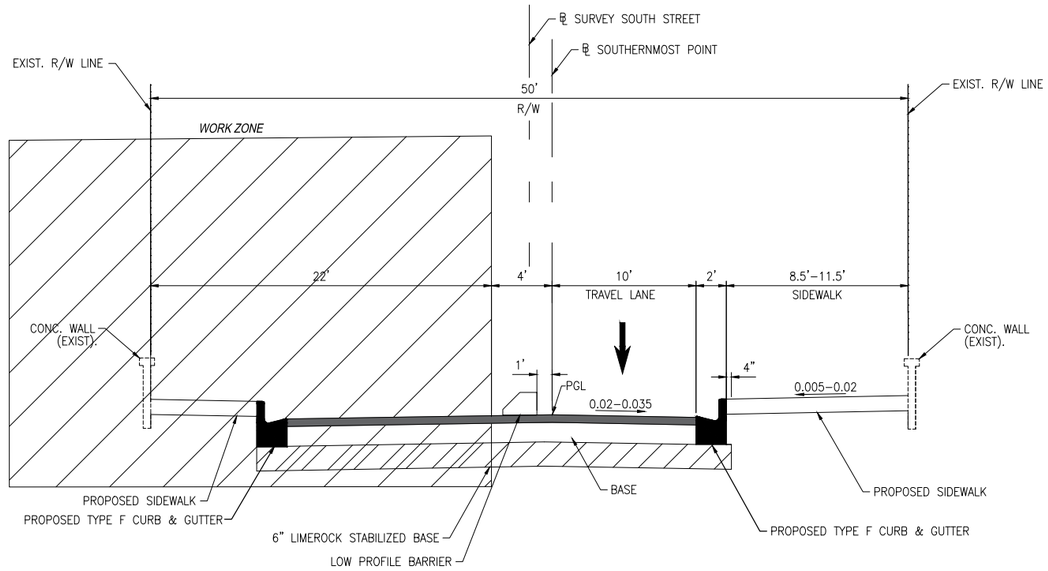


TYPICAL SECTION
SOUTH STREET
STA. 305+15.00 TO STA. 309+70.63



TYPICAL SECTION
SOUTH STREET
STA. 305+15.00 TO STA. 309+70.63

PHASE 1A

1. PLACE TRAFFIC CONTROL DEVICES PER MOT TYPICAL SECTIONS AND FDOT STANDARD PLANS INDEX 102-600, 102-660, AND 102-120.
2. CONVERT WHITEHEAD STREET TO ONE WAY ONLY TO MATCH SOUTH STREET TRAFFIC FLOW. PLACE DO NOT ENTER SIGNAGE AT INTERSECTION WITH UNITED STREET AND DIRECTION TO ENTER FROM DUVAL STREET.
3. RESTRICT SOUTH STREET TO LOCAL TRAFFIC/RESIDENTS ONLY.
4. CONSTRUCT PROPOSED RIGHT LANE, TYPE F CURB & GUTTER, DRAINAGE STRUCTURES, LIGHTING, LANDSCAPING FEATURES, AND SIDEWALK.

NOTE:
THE CITY OF KEY WEST IS OPEN TO OPTIONAL PHASING BY THE CONTRACTOR UPON REVIEW

PHASE 1B

1. PLACE TRAFFIC CONTROL DEVICES PER MOT TYPICAL SECTIONS AND FDOT STANDARD PLANS INDEX 102-600, 102-660, AND 102-120.
2. MAINTAIN ONE WAY TRAFFIC FLOW ON WHITEHEAD STREET TO MATCH SOUTH STREET TRAFFIC FLOW.
3. CONSTRUCT PROPOSED LEFT LANE, TYPE F CURB & GUTTER, DRAINAGE STRUCTURES, LIGHTING, LANDSCAPING FEATURES, SIDEWALK, AND PARKING.
4. MILL AND RESURFACE INTERSECTION AT DUVAL STREET AND INSTALL FINAL SIGNING AND PAVEMENT MARKINGS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Andrew James List, P.E.
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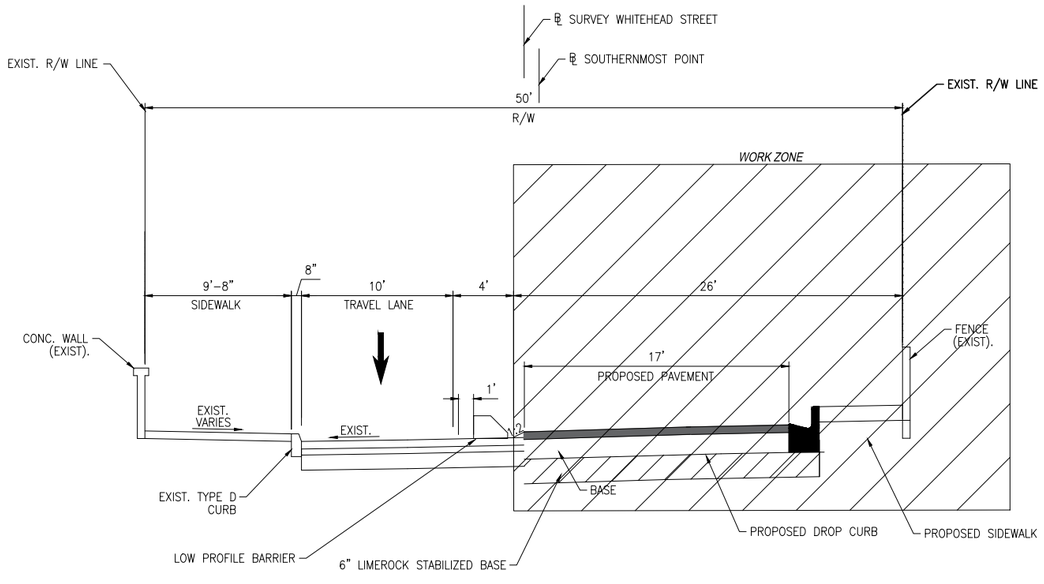
Phone: (305) 670-2350
Certificate of Authorization No. 7184

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

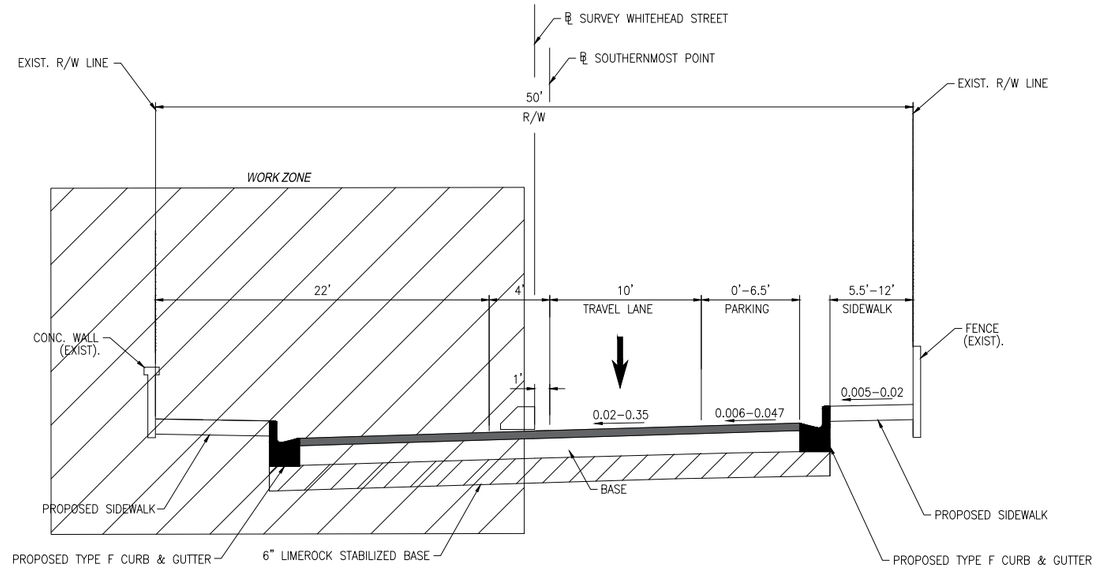
MAINTENANCE OF TRAFFIC TYPICALS

SHEET NO.
R-42

PLOT DATE: 1/12/2026 9:21 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\13-MOT-PLANS.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION
WHITEHEAD STREET
STA. 300+94.04 TO STA. 305+15.00



TYPICAL SECTION
WHITEHEAD STREET
STA. 300+94.04 TO STA. 305+15.00

PHASE 2A

1. PLACE TRAFFIC CONTROL DEVICES PER MOT TYPICAL SECTIONS AND FDOT STANDARD PLANS INDEX 102–600, 102–660, AND 102–120.
2. RELOCATE WHITEHEAD STREET RESIDENTIAL/PERMIT PARKING TO SOUTH STREET DURING WHITEHEAD STREET CONSTRUCTION. PLACE TEMPORARY SIGNAGE ALONG SOUTH STREET DESIGNATING PARKING AS RESIDENT PERMIT PARKING ONLY.
3. MAINTAIN ONE WAY TRAFFIC FLOW ON SOUTH STREET RESTRICTED TO LOCAL TRAFFIC/RESIDENTS ONLY.
4. CONSTRUCT PROPOSED RIGHT LANE, TYPE F CURB & GUTTER, DRAINAGE STRUCTURES, LIGHTING, LANDSCAPING FEATURES, AND SIDEWALK.

NOTE:
THE CITY OF KEY WEST IS OPEN TO OPTIONAL PHASING BY THE CONTRACTOR UPON REVIEW

PHASE 2B

1. PLACE TRAFFIC CONTROL DEVICES PER MOT TYPICAL SECTIONS AND FDOT STANDARD PLANS INDEX 102–600, 102–660, AND 102–120.
2. MAINTAIN ONE WAY TRAFFIC FLOW ON SOUTH STREET.
3. CONSTRUCT PROPOSED LEFT LANE, TYPE F CURB & GUTTER, DRAINAGE STRUCTURES, LIGHTING, LANDSCAPING FEATURES, SIDEWALK, AND PARKING.
4. ONCE WHITEHEAD STREET CONSTRUCTION IS COMPLETE, PLACE RESIDENTIAL/PERMIT PARKING IN PERMANENT CONFIGURATION.
5. MILL AND RESURFACE INTERSECTION AT UNITED STREET AND INSTALL FINAL SIGNING AND PAVEMENT MARKINGS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

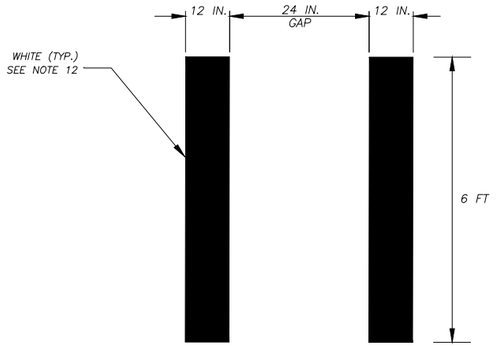
MAINTENANCE OF TRAFFIC TYPICALS

SHEET NO.
R-43

PLOT DATE: 1/12/2026 9:20 AM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\ROADWAY\13-MOT-PLANS.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

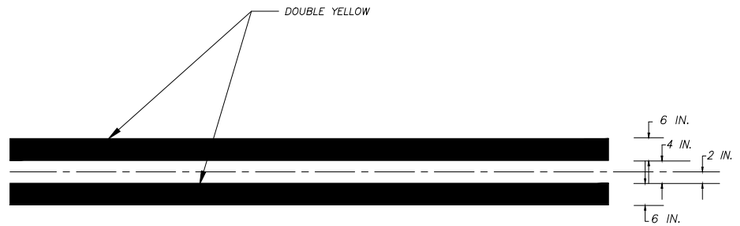
GENERAL NOTES

1. HAND DIG OR VACUUM EXCAVATE THE FIRST FOUR FEET OF SIGN FOUNDATIONS.
2. USE COUNTERSUNK SCREWS WHEN USING MECHANICAL FASTENERS TO ATTACH SIGN PANELS TO WINDBEAMS, BRACKETS AND SPLICE PLATES FOR SINGLE-POST SIGNS.
3. PATCH ATTACHMENT HARDWARE, SUCH AS COUNTERSUNK SCREWS OR RIVET HEADS, WITH RETROFLECTIVE BUTTONS THAT MATCH THE COLOR AND SHEETING MATERIAL OF THE FINISHED SIGN PANEL INCLUDING THE BACKGROUND, LEGEND OR BORDER.
4. ALL SIGNS SHALL BE ASTM D4956-09 TYPE-XI RETROFLECTIVE SHEETING MATERIAL..
5. ENSURE THAT PROPOSED PAVEMENT MARKINGS AT ALL EXISTING OR PROPOSED INTERFACE LOCATIONS MATCH THE EXISTING PAVEMENT MARKINGS IN TERMS OF ALIGNMENT. ANY CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
6. WORK THAT INCLUDES EXTENDING OR REFURBISHING OF EXISTING STRIPING DAMAGED DURING CONSTRUCTION IS INCLUDED IN THE UNIT PRICE OF THE PAVEMENT MARKING.
7. PAVEMENT MARKINGS MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE FIELD ENGINEER.
8. LAY OUT PERMANENT FINAL STRIPING THAT LEAVES NO VISIBLE MARKS AT TIME OF FINAL ACCEPTANCE.
9. THE CONTRACTOR SHALL USE THE CITY OF KEY WEST TYPICAL SIGN DETAILS, THE MUTCD, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, INDEX 700-101, TO MOUNT AND PLACE ALL PROPOSED SIGNS. ENSURE THAT ALL SIGN MOUNTING HEIGHTS, FROM THE BOTTOM OF THE SIGN PANEL TO THE HORIZONTAL LINE EXTENDED FROM THE EDGE OF TRAVELED WAY OR FROM THE GROUND SURFACE AT THE BACK OF CURB, IS 7 FEET.
10. OFFSET FROM PEDESTRIAN CROSSWALK TO STOP BAR SHALL BE A MINIMUM OF 4.0 FEET, UNLESS OTHERWISE SHOWN IN PLANS TO ACCOMMODATE VEHICLE TURNING WHEELPATHS.
11. ALL SIGNS AND POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF KEY WEST TYPICAL SIGN DETAILS.
12. CROSSWALK PAVEMENT MARKING MATERIAL SHALL BE ENNIS-FLINT BY PPG TRAFFICPATTERNSXD PREFORMED THERMOPLASTIC, OR EQUIVALENT. PATTERN TO BE OFFSET BRICK, HERITAGE RED COLOR.
13. BICYCLE PAVEMENT MARKINGS SHALL BE PREFORMED THERMOPLASTIC.



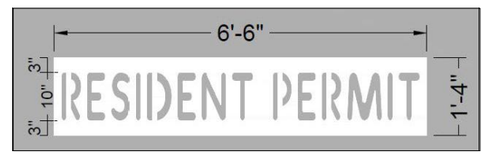
TYPICAL CROSSWALK DETAIL

N.T.S



DOUBLE SOLID LINES DETAIL

N.T.S



RESIDENT PERMIT DETAIL

N.T.S

THERMOPLASTIC STENCIL, 125 MIL THICKNESS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SIGNING AND PAVEMENT MARKING GENERAL NOTES

SHEET NO. S-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLOT DATE: 11/18/2025 3:45 PM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\S&PM\X-KEYWEST-SIGN-PVMT-MRKG-GNRL-NOTES.DWG

0 10 20
SCALE 1"= 20'

BEGIN PROJECT
STA. 300+42.56,
℄ SOUTHERNMOST POINT
MEET AND MATCH EXISTING PAVEMENT MARKINGS

12" WHITE (TYP.)
+84.76
23.09 LT
EXISTING SIGN, POST AND FOOTING TO BE REMOVED
+51.05
+45.18
+52.44
23.15 LT
6" WHITE
INSTALL SIGN POST SIGN R1-1 AND SIGN R1-3P STA. 301+14
+10.73
+05.78
STOP
ALL-WAY
6" WHITE
+99.78
12" WHITE (TYP.)
4'
24" WHITE (TYP.)
6" WHITE (TYP.)
6" WHITE
INSTALL SIGN POST SIGN R3 STA. 302+18 PER CITY OF KEY WEST TYPICAL SIGN DETAILS
EXISTING SIGN TO REMAIN
6" YELLOW (10'-30' SKIP) WITH Y/Y RPM'S AT 40' SPACING C/C (TYP.)
+24.80
+38.03
+44.80
+58.03
+64.80
+14.85
+17.85
+20.85
+27.26
+77.05
R/W LINE
B.T.
6.5'
RESIDENT PERMIT
300+00
301+00
302+00
303+00
EXIST 6" WM (ABDN)
WHITEHEAD STREET
+79.00
+76.54
10'
EXIST 12" DIP WM
℄ SOUTHERNMOST POINT
MATCH LINE STA. 303+00
INSTALL SIGN POST, SIGN R5-2 STA 301+10
+99.74
+30.00
20 MPH
12" WHITE (TYP.)
+45.41
+51.46
6" WHITE
+86.50
18.83' RT
+74.28
29.82' RT
+62.54
+59.60
18.81' RT
+05.74
+85.18
EXISTING SIGN, POST AND FOOTING TO BE REMOVED
+54.97
INSTALL SIGN POST, SIGN R2-1 STA. 301+31
SPEED LIMIT 20
INSTALL SIGN POST, SIGN W11-15 AND SIGN W16-1P STA. 301+72
IN ROAD
6" WHITE
EXISTING SIGN, POST AND FOOTING TO BE REMOVED
EXISTING SIGN, POST AND FOOTING TO BE REMOVED
R/W LINE
INSTALL BACK TO BACK SIGN POST, SIGN P1 STA. 302+77 PER CITY OF KEY WEST TYPICAL SIGN DETAILS
EXISTING BACK TO BACK SIGN, POST AND FOOTING TO BE REMOVED
12" WHITE (TYP.)
UNITED STREET
4'
EXISTING SIGN, POST AND FOOTING TO BE REMOVED
INSTALL SIGN POST, SIGN R1-1 AND SIGN R1-3P STA. 300+88, 32' RT
STOP
ALL-WAY
6" WHITE
6" DOUBLE YELLOW WITH Y/Y RPM'S AT 40' SPACING C/C (TYP.)
MATCH EXIST. PAVT. MARKINGS
24" WHITE
6" WHITE
50' OF 6" DOUBLE YELLOW WITH Y/Y RPM'S AT 40' SPACING C/C (TYP.)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

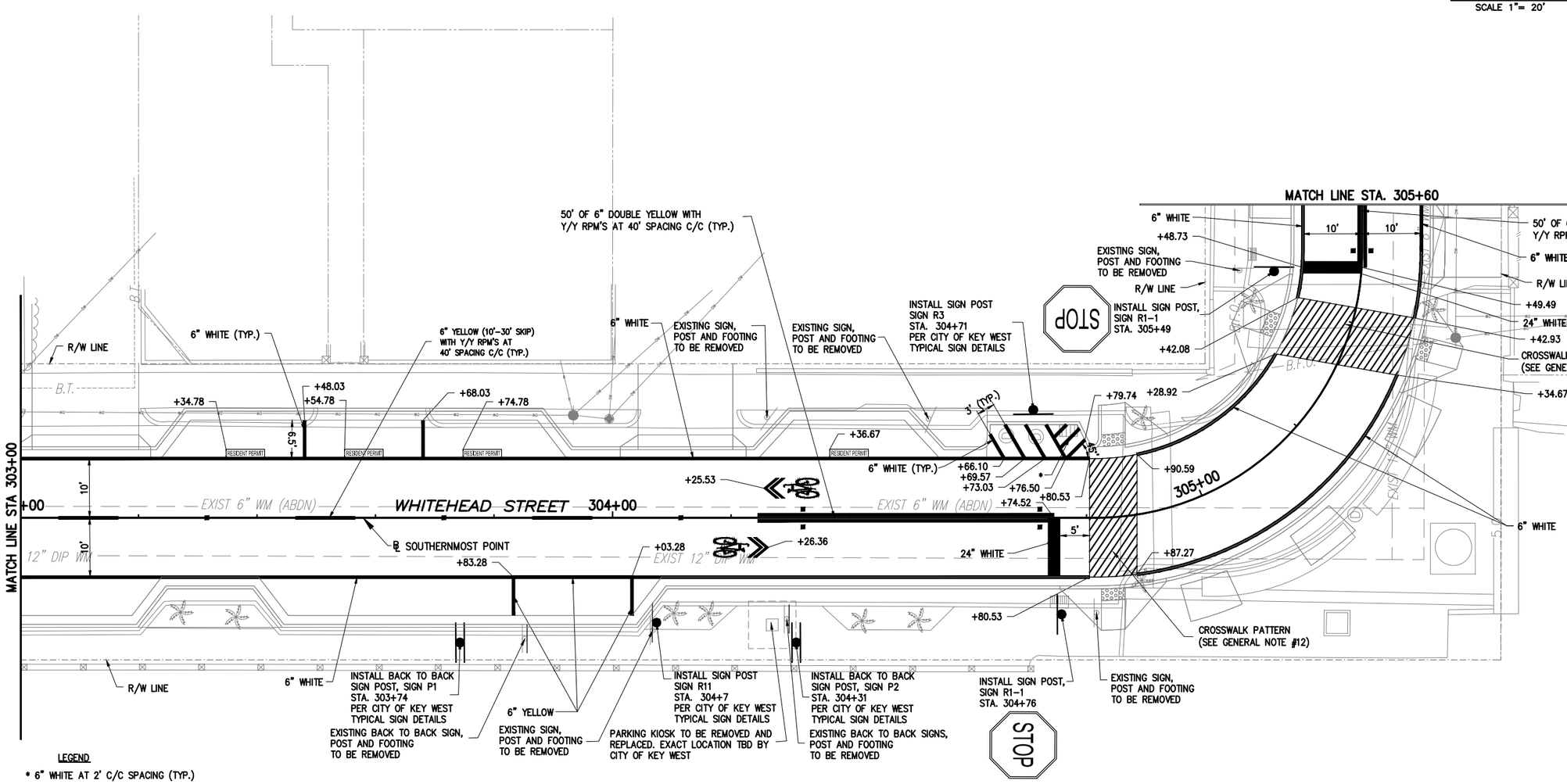
SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLOT DATE: 1/6/2026 2:32 PM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\S&PM\X-KEYWEST-SIGN-PVMT-MRKG-PLAN.DWG

0 10 20
SCALE 1"= 20'



REVISIONS					
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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-3

PLOT DATE: 1/6/2026 2:33 PM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\S&PM\X-KEYWEST-SIGN-PVMT-MRKG-PLAN.DWG
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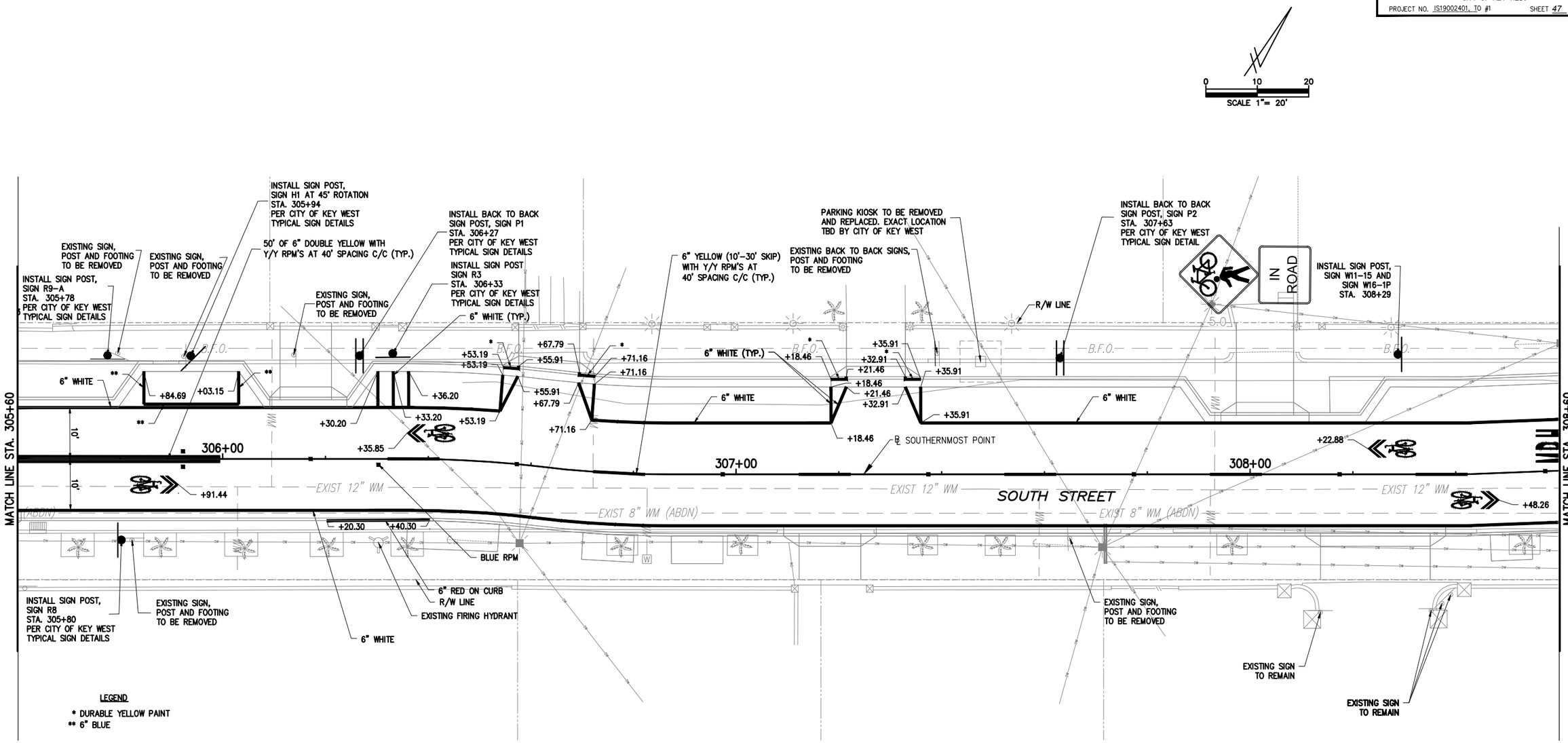

REVISIONS					
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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-4

PLOT DATE: 1/7/2026 5:01 PM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\S&PM\X-KEYWEST-SIGN-PVMT-MRKG-PLAN.DWG
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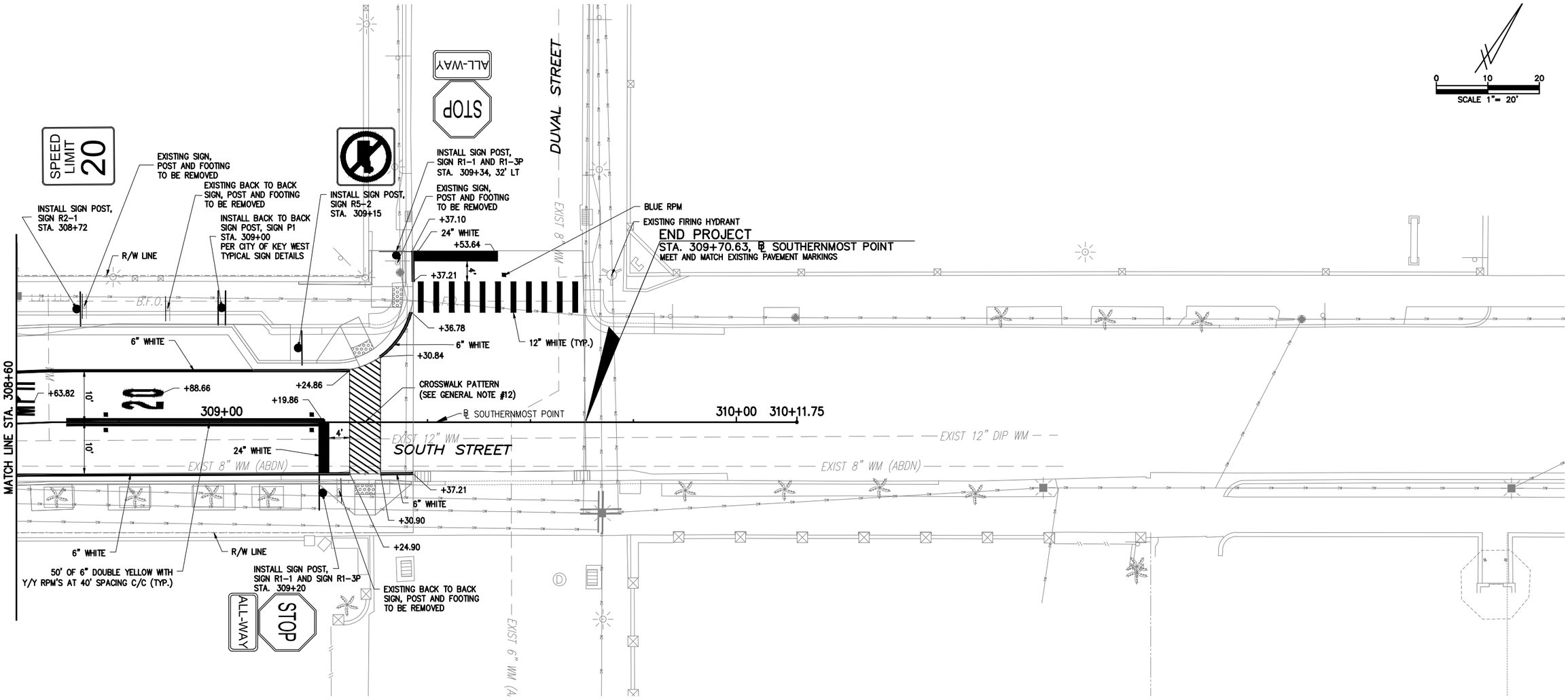
0 10 20
SCALE 1"= 20'



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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

bcc engineering
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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO. S-5

PLOT DATE: 1/6/2026 2:38 PM
FILE LOCATION: H:\PROJECTS\1022272.01 CITY OF KEY WEST STREETSCAPE - SOUTHERNMOST POINT PLAZA\8-CAD\S&PM\X-KEYWEST-SIGN-PVMT-MRKG-PLAN.DWG
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POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OF ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SET BACK AND NOTES
1	A-1	STA. 301+09.14	–	57 W	12 FT.	17.95' RT
2	A-3	STA. 301+24.46	–	57 W	12 FT.	21.00' LT
3	A-3	STA. 302+99.20	–	57 W	12 FT.	16.80' LT
4	A-1	STA. 302+99.44	–	57 W	12 FT.	19.49' RT
5	A-4	STA. 304+80.74	–	57 W	12 FT.	15.28' LT
6	A-2	STA. 304+77.88	–	57 W	12 FT.	16.66' RT
7	A-2	STA. 305+05.86	–	57 W	12 FT.	19.06' RT
8	A-2	STA. 305+25.32	–	57 W	12 FT.	18.95' RT
9	A-4	STA. 305+45.20	–	57 W	12 FT.	16.70' LT
10	A-2	STA. 306+01.12	–	57 W	12 FT.	16.84' RT
11	A-4	STA. 306+07.05	–	57 W	12 FT.	21.36' LT
12	A-2	STA. 307+08.83	–	57 W	12 FT.	14.97' RT
13	A-4	STA. 307+12.28	–	57 W	12 FT.	21.84' LT
14	A-4	STA. 308+40.53	–	57 W	12 FT.	21.83' LT
15	A-2	STA. 308+40.62	–	57 W	12 FT.	15.67' RT
16	A-2	STA. 309+21.04	–	57 W	12 FT.	16.29' RT
17	A-4	STA. 309+22.01	–	57 W	12 FT.	19.90' LT

LEGEND

SYMBOLS

DESCRIPTION

PROPOSED LUMINAIRE AND POST-TOP DECORATIVE POLE, 57 WATT LED LUMINAIRE, 3000K, 3,341 LUMENS, TYPE 2, DISTRIBUTION WITH 7-PIN NEMA SOCKET, SHORTING CAP. GROUND MOUNTED POLE WITH ONE LUMINAIRE WITH WATER TIGHT GLASS GLOBE, POLE, BASE, AND PULL BOX. WIRED FOR 120 VOLT OPERATION (MOUNTING HEIGHT 12 FT.). BEACON 30" LA JOLLA SERIES MV:IES FILE LAJ30-54L-55-3K-2.IES. INCLUDES A PULL BOX AT EACH POLE (PAID SEPARATELY).

EXISTING KE UTILITY POLE DAVIT ARM AND LUMINAIRE TO REMAIN.

REMOVE KE UTILITY POLE AND RELOCATE DAVIT ARM AND LUMINAIRE.

2" SCHEDULE 40 PVC OPEN TRENCH CONDUIT WITH XLT-RHW CONDUCTORS AND 1 #6 THW GREEN INSULATED STRANDED GROUND INSIDE CONDUIT AS INDICATED IN THE PLAN DETAIL.

2" SCHEDULE 40 [H.D.P.E] PVC DIRECTIONAL BORE CONDUIT WITH XLT-RHW CONDUCTORS AND 1 #6 THW GREEN INSULATED STRANDED GROUND INSIDE CONDUIT AS INDICATED IN THE PLAN DETAIL.

PROPOSED 120/240V, SINGLE-PHASE, 3-WIRE LIGHTING LOAD CENTER

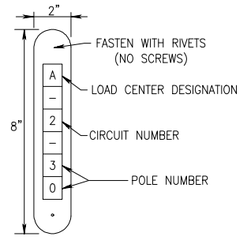
PROPOSED PULL BOX

EXISTING SERVICE POINT FROM KEYS ENERGY

PROPOSED KE UTILITY POLE WITH RELOCATED DAVIT ARM AND LUMINAIRE

LIGHTING DESIGN CRITERIA

WIND SPEED	160 MPH
LIGHT SOURCE	LED



FDOT POLE IDENTIFICATION TAG DETAIL
(SEE NOTES BELOW)

GENERAL NOTES

1. KEYS ENERGY SHALL PROVIDE INCOMING SERVICE AT LOCATION SPECIFIED IN ACCORDANCE WITH THE PLANS. THE DATE REQUIRED FOR INCOMING SERVICE TO BE COMPLETED MUST BE COORDINATED BY THE CONTRACTOR WITH THE POWER COMPANY AT THE PRE CONSTRUCTION MEETING.
2. ALL EXPOSED CONDUIT OR SURFACE MOUNTED CONDUIT SHALL BE GALVANIZED STEEL WITH G6 COATING AND GROUNDED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND STRUCTURAL CONFLICTS IN COOPERATION WITH THE UTILITY COMPANY(S).
4. STATIONING MAY BE ADJUSTED AS DIRECTED TO AVOID UTILITY OR STRUCTURAL CONFLICTS NOT INDICATED IN THE PLANS.
5. SIDEWALK SLABS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN FULL AND COLORED WHEN NECESSARY TO MATCH THE EXISTING SIDEWALK.
6. CONTRACTOR MUST MAINTAIN THE EXISTING LIGHTING SYSTEM IN OPERATION OR SUPPLY A TEMPORARY ONE UNTIL THE NEW LIGHTING SYSTEM CAN BE ACTIVATED. IF THE EXISTING LIGHTING SYSTEM IS OWNED BY KEYS ENERGY, SEE FDOT SPECIFICATION FOR ROADWAY LIGHTING SPECIAL PROVISIONS, SECTION 715.
7. ALL MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE UNDERWRITERS LABORATORY APPROVED.
8. POLES, BRACKET ARMS, AND TRANSFORMER BASES SHALL BE ALUMINUM AND DESIGNED IN ACCORDANCE WITH LOCAL DESIGN CRITERIA USING THE APPLICABLE EQUATIONS FOUND IN THE AASHTO PUBLICATION "STANDARD SPECIFICATIONS FOR HIGHWAY, SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS," CURRENT EDITION.
9. THE WIRES AT THE POLE, HANDHOLE, AND PULL BOXES SHALL BE LOOPED AS INDICATED IN THE PLAN DETAIL WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTORS TO THE OUTSIDE, TO MAKE THEM ACCESSIBLE FOR CHANGING FUSES AND TROUBLE SHOOTING THE SYSTEM.
10. THE LUMINAIRE MANUFACTURER SHALL PLACE A PERMANENT TAG ON THE LUMINAIRE HOUSING ON WHICH IS IMPRINTED THE FOLLOWING INFORMATION: WATTAGE, BALLAST TYPE, LAMP SHOWN ON DESIGN PLANS, LAMP SETTING (POSITION IN LUMINAIRE), I.E.S., LIGHT DISTRIBUTION WITH THIS LAMP IN THE POSITION SPECIFIED, INPUT VOLTAGE AND POWER FACTOR, LUMINAIRE PHOTOMETRIC SUBMITTALS REQUIRED.
11. GROUND RODS SHALL HAVE A RESISTANCE TO GROUND NOT TO EXCEED 25 OHMS. WHERE THE RESISTANCE IS NOT AS LOW AS 25 OHMS, TWO OR MORE GROUND RODS CONNECTED IN PARALLEL SHALL BE USED.
12. CONTRACTOR WILL INCLUDE IN THE COST OF THE LIGHTING POLE ANY LEVELING AND GRADING REQUIRED TO INSURE THAT ALL POLES ARE INSTALLED AT THE PROPER ELEVATION.
13. CONTRACTOR MUST CONTACT AT&T, KEYS ENERGY, AND OTHER UTILITY COMPANIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND MUST NOTIFY ENGINEER AND CITY OF KEY WEST IF FIELD CONDITIONS DIFFER FROM CONDITIONS INDICATED ON THESE DRAWINGS.
14. IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (N.E.C.) OR WITH THE CITY OF KEY WEST STANDARDS, THE CONTRACTOR MUST IDENTIFY ALL CIRCUITS AND EQUIPMENT INCLUDING THE PROPOSED LIGHT POLE ASSEMBLIES.
15. PULL BOXES, JUNCTION BOXES, AND ALL ELECTRICAL WORK MUST CONFORM TO N.E.C. (LATEST REQUIREMENTS), THE NATIONAL ELECTRICAL SAFETY CODE AND CITY OF KEY WEST STANDARDS.
16. USE PVC SCHEDULE 40 CONDUIT THROUGHOUT THE ENTIRE UNDERGROUND SYSTEM, AT STREET CROSSINGS THE CONDUIT SHOULD BE EMBEDDED IN 1:10 CONCRETE MIXTURE.
17. ANY INCIDENTAL ITEMS OR ACCESSORIES REQUIRED TO COMPLETE THE WORK FOR A GIVEN BID ITEM, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THAT SPECIFIC ITEM AS INDICATED IN THE BID FORM. INCIDENTAL ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO: ELBOWS, SPLIT BOLT CONNECTORS, FUSES AND FUSE HOLDERS, ELECTRICAL TAPE, SCOTCHKOTE, PVC GLUE, TRENCHING, BACKFILLING, PAVEMENT RESTORATION, CONCRETE SLAB REPLACEMENT, ETC.
18. POLES SHALL HAVE A FRANGIBLE TRANSFORMER BASE.
19. ALL GROUNDING CONNECTIONS SHALL BE EXOTHERMICALLY WELDED FOLLOWING THE MANUFACTURER'S GUIDELINES.
20. CONTRACTOR MUST MINIMIZE TRENCHING ACROSS STREETS BY COORDINATING THE LIGHT PLANS WITH THE SIGNALIZATION INTERCONNECT CONDUIT/WIRING AS DEPICTED ON THESE DRAWINGS.
21. MAINTAINING AGENCY FOR LIGHTING IS CITY OF KEY WEST. CONTRACTOR MUST CONTACT/COORDINATE WITH APPLICABLE CITY OF KEY WEST OFFICIALS AND INSPECTORS PRIOR TO CONSTRUCTION.
22. CONTRACTOR SHALL MAINTAIN SAFE ACCESS TO SIDE STREETS, PRIVATE, AND COMMERCIAL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
23. ALL CONDUIT TRENCHING MUST BE PROPERLY BACKFILLED TO PROVIDE SAFE CROSSING AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ONE BECOMES INACTIVE.
24. THE CONTRACTOR MUST EXERCISE EXTREME CAUTION WHEN WORKING THE VICINITY OF EXISTING AND PROPOSED UNDERGROUND AND OVERHEAD UTILITIES.
25. ALL UNDERGROUND CONDUCTORS SHALL BE RHH-RHW-XLP.
26. ALL CONDUITS THAT WILL REMAIN EMPTY AS SPARES SHALL BE CLEANED INSIDE AND BOTH ENDS CAPPED. PLACE PULLBOXES AT THE ENDS OF THE CONDUITS.
27. ELECTRONIC SIGNED/SEALED AS-BUILD BY THE EOR TO BE PROVIDED TO THE CITY PM. CONTRACTOR TO GIVE GPS COORDINATE FILE FOR BOTH LIGHT POLES AND LOAD CENTER TO THE CITY PM. IN ADDITION TO THE GPS COORDINATES, ADDITIONAL ATTRIBUTES FOR THE PROJECT ARE TO BE SUBMITTED BUT WILL NEED TO BE COORDINATED WITH CITY STAFF FOR THE CITY ARCGIS DATA.
28. FURNISH AND INSTALL #6 AWG COOPER WIRE WITH RHH-RHW2-XLP INSULATION, GROUND WIRE MUST USE THWN INSULATION. INSULATION COLORS ARE: WHITE-NEUTRAL, BLACK- PHASE 1, RED- PHASE 2, GREEN-GROUND. ALL WIRES RATED FOR 600V.
29. THE POLE CABLE DISTRIBUTION SYSTEM MUST BE THE MG SQUARE DOT3. THIS PCDS IS AN APPROVED PROPRIETARY PRODUCT FOR USE ON ALL MIAMI-DADE COUNTY DTPW LIGHT POLES. ALL WIRING CONNECTIONS IN PULL BOXES AND LIGHT POLES WILL BE MADE WITH THE "MG SQUARED" POLE CABLE DISTRIBUTION SYSTEM TO NEGATE POSSIBLE WATER INTRUSION.
30. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHERS" UTILITIES (NOT SHOWN ON THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNER TO RESOLVE THE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS ARE REQUIRED. THIS SHALL BE ACCOMPLISHED PRIOR TO ORDERING DRAINAGE STRUCTURE.
31. DUE TO FLOODING ISSUES THE PROJECT AREA IS A WET HAZARDOUS LOCATION DURING FLOODING DUE TO THE CHANCE OF ELECTRICITY UNDERGROUND DURING FLOODING EVENTS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT
PROJECT NAME: SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST
PROJECT NO.: IS19002401

LIGHTING PLANS
POLE DATA – GENERAL NOTES

SHEET NO.: LT-1

PLOT DATE: 1/12/2026 10:24 AM
FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\D0257342\X-KEYWEST-LIGHTING-POLE-DATA-GNRL.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLOT DATE: 1/12/2026 10:27 AM

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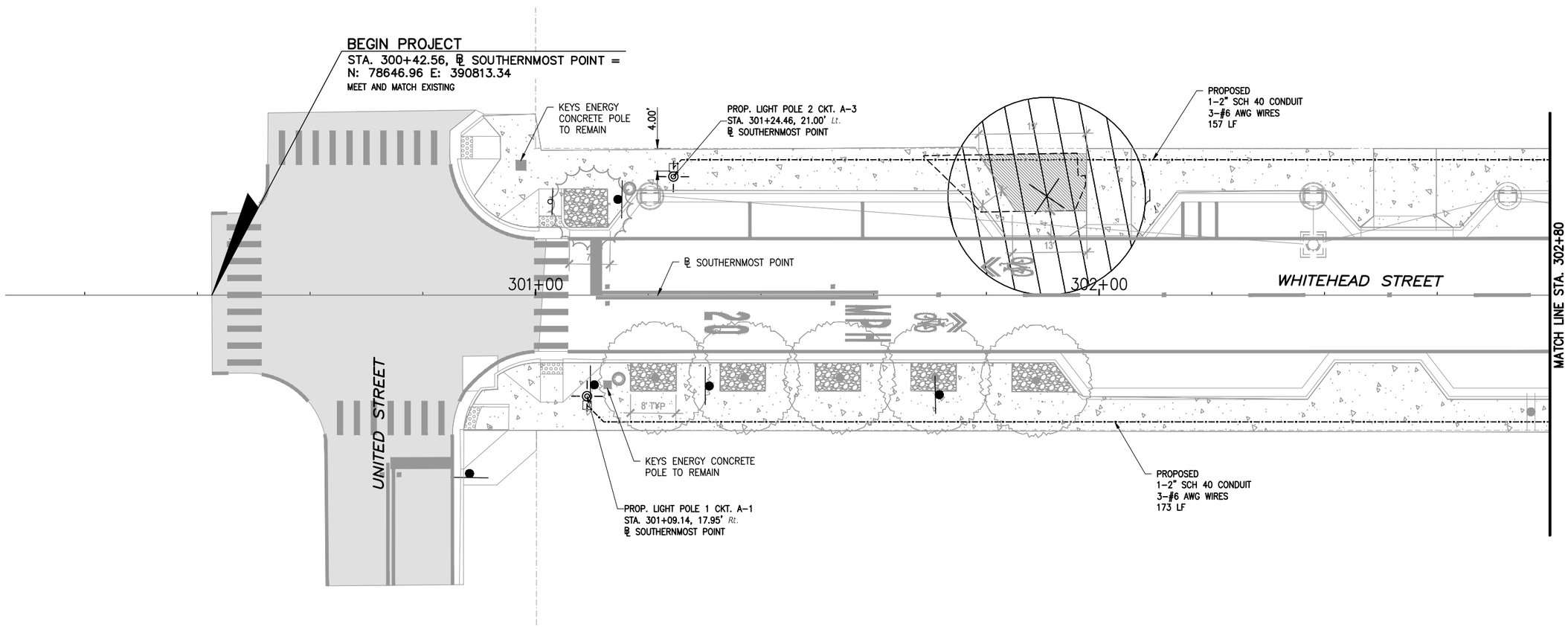
SCALE 1"= 20'



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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

LIGHTING PLANS

SHEET NO. LT-2

FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\00257342\PLANLT01.DWG
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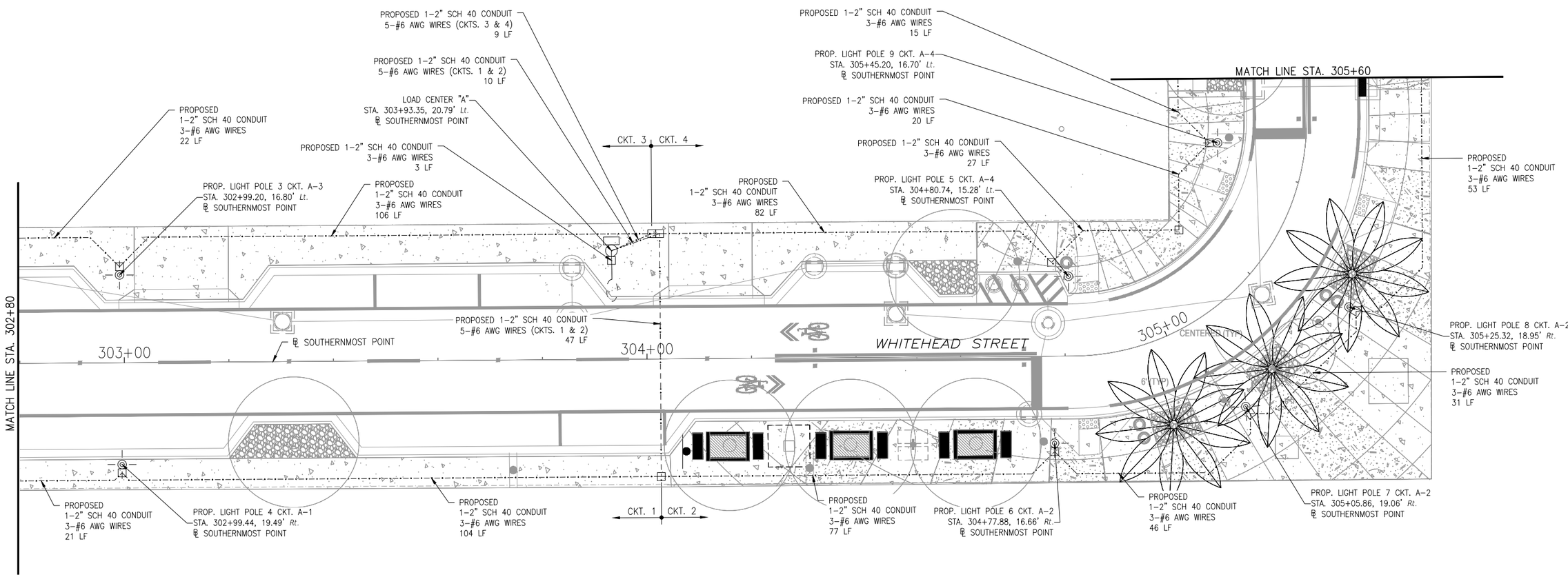

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

LIGHTING PLANS

SHEET NO. LT-3

PLOT DATE: 1/12/2026 10:31 AM
FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\00257342\PLANLT01.DWG
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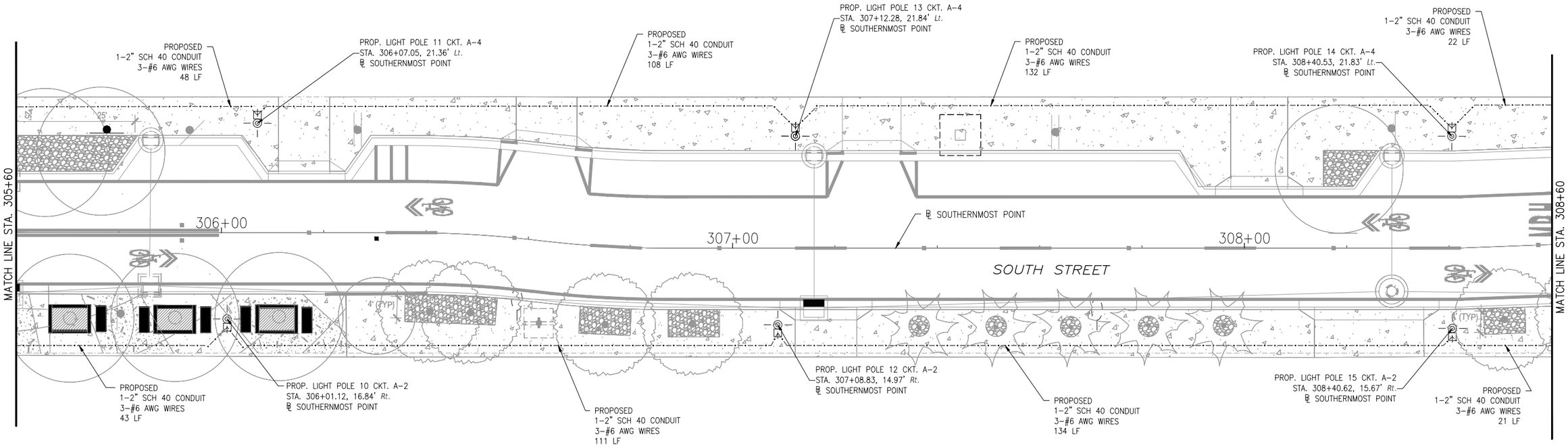
PLOT DATE: 1/12/2026 10:34 AM

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST
PROJECT NO. IS19002401, TO #1 SHEET 52 OF 77

0 10 20
SCALE 1"= 20'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

LIGHTING PLANS

SHEET NO. LT-4

FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\D0257342\PLANLT01.DWG

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PLOT DATE: 1/12/2026 10:37 AM

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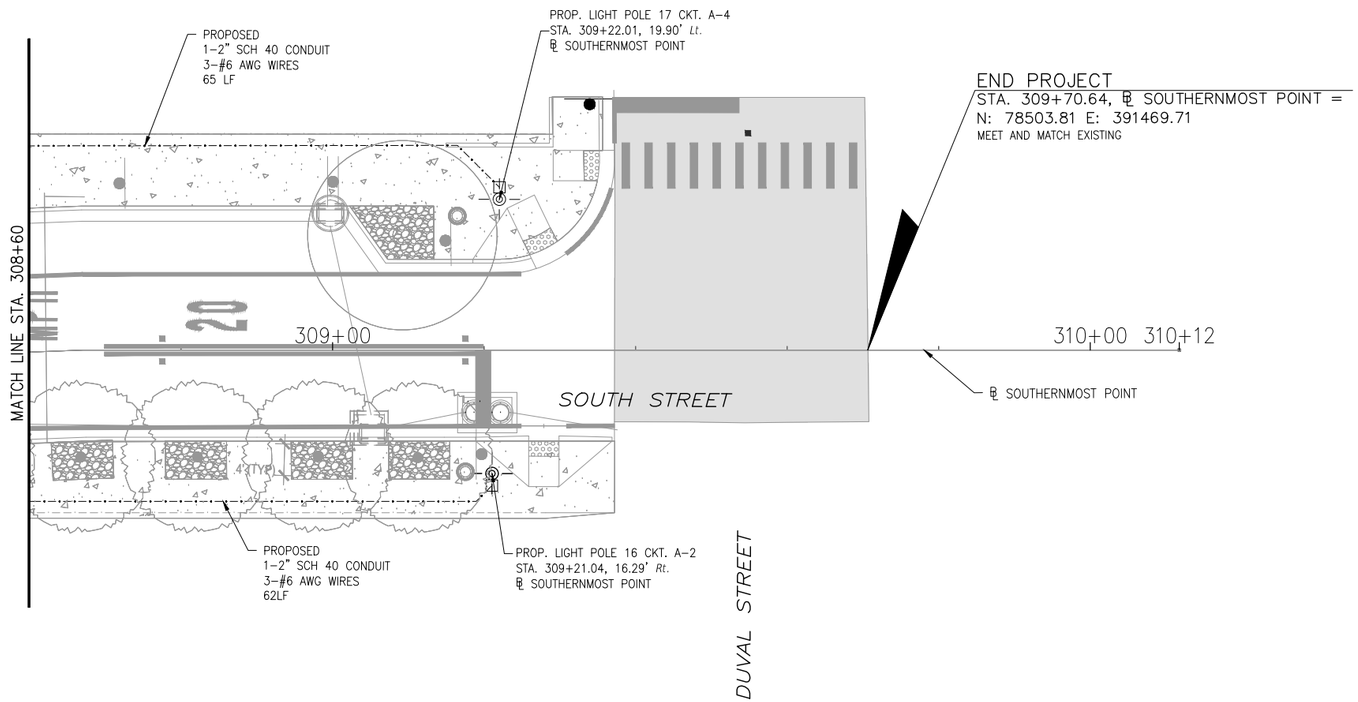

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

LIGHTING PLANS

SHEET NO.
LT-5

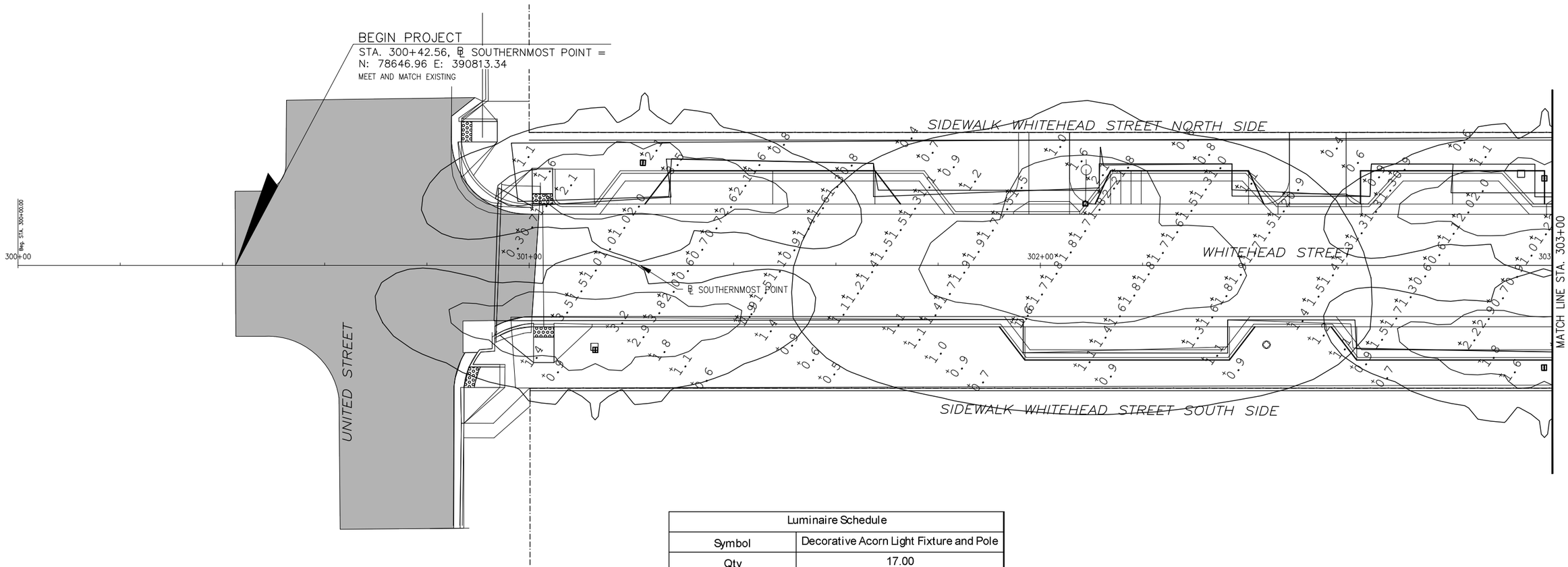
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\00257342\PLANLT01.DWG

PLOT DATE: 11/21/2025 4:15 PM

0 10 20
SCALE 1"= 20'

Calculation Summary							
Label	Calctype	Units	Avg	Max	Min	Avg/Min	Max/Min
SOUTH STREET	Illuminance	Fc	1.94	4.10	0.70	2.77	5.86
WHITEHEAD STREET	Illuminance	Fc	1.61	4.90	0.30	5.37	16.33
SIDEWALK SOUTH STREET NORTH SIDE	Illuminance	Fc	1.41	3.80	0.30	4.70	12.67
SIDEWALK SOUTH STREET SOUTH SIDE	Illuminance	Fc	1.62	4.00	0.20	8.10	20.00
SIDEWALK WHITEHEAD STREET NORTH SIDE	Illuminance	Fc	1.67	6.60	0.40	4.18	16.50
SIDEWALK WHITEHEAD STREET SOUTH SIDE	Illuminance	Fc	1.21	3.60	0.30	4.03	12.00



Luminaire Schedule	
Symbol	Decorative Acorn Light Fixture and Pole
Qty	17.00
Label	LAJ30-24L-55-3K-2
Arrangement	Single
Description	
Tag	Type 2
LLF	1
Luminaire Lumens	3341
Luminaire Watts	57
Total Watts	855
Mounting Height	12 FT

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT
PROJECT NAME: SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST
PROJECT NO.: IS19002401

PHOTOMETRIC PLANS

SHEET NO.: LT-6

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FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\00257342\PLANLT01 PHOTOMETRIC.DWG

PLOT DATE: 11/21/2025 4:16 PM

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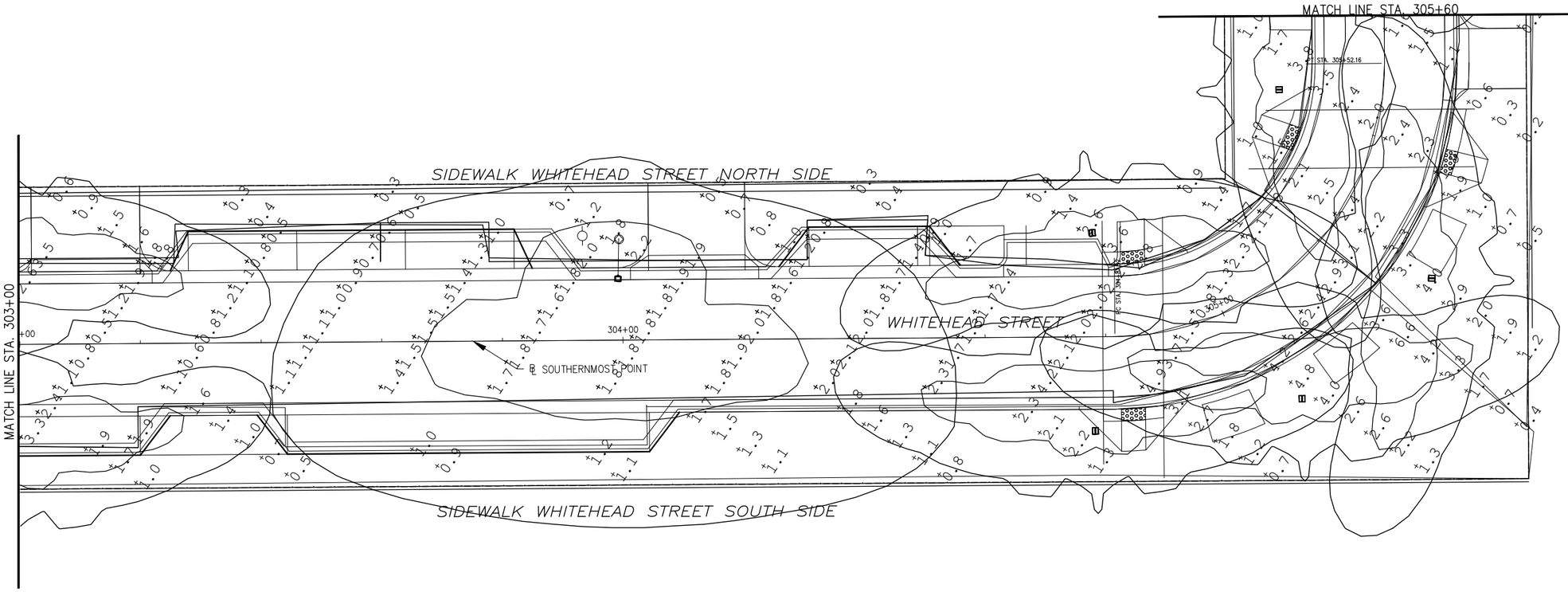
SCALE 1"= 20'



REVISIONS					
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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PHOTOMETRIC PLANS

SHEET NO. LT-7

FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\D0257342\PLANLT01 PHOTOMETRIC.DWG

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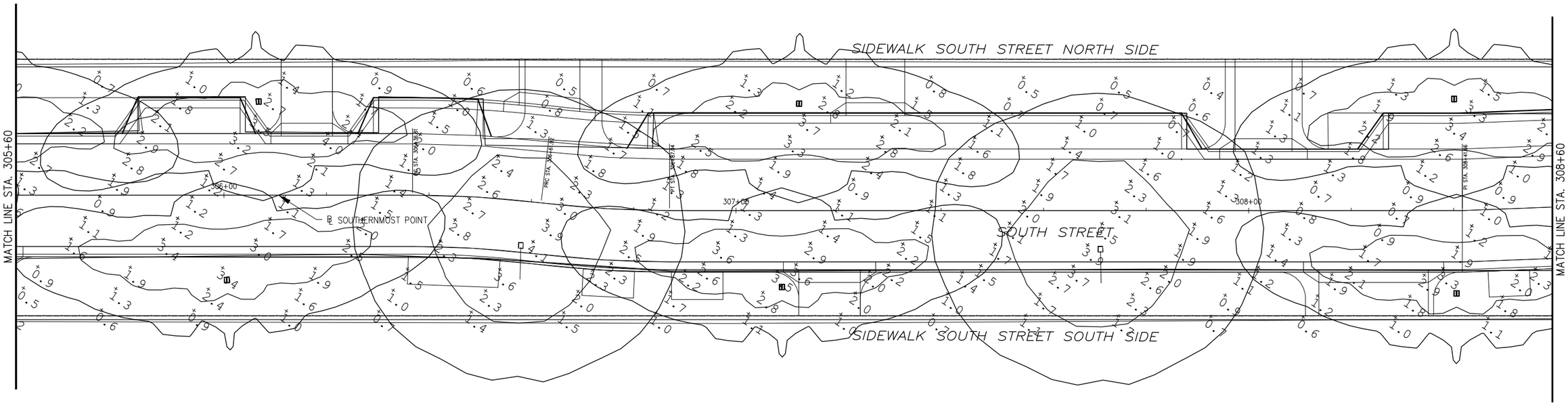
PLOT DATE: 11/21/2025 4:16 PM

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT

SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST

PROJECT NO. IS19002401, TO #1 SHEET 56 OF 77

0 10 20
SCALE 1"= 20'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PHOTOMETRIC PLANS

SHEET NO.
LT-8

FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\00257342\PLANLT01 PHOTOMETRIC.DWG

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PLOT DATE: 11/21/2025 4:17 PM

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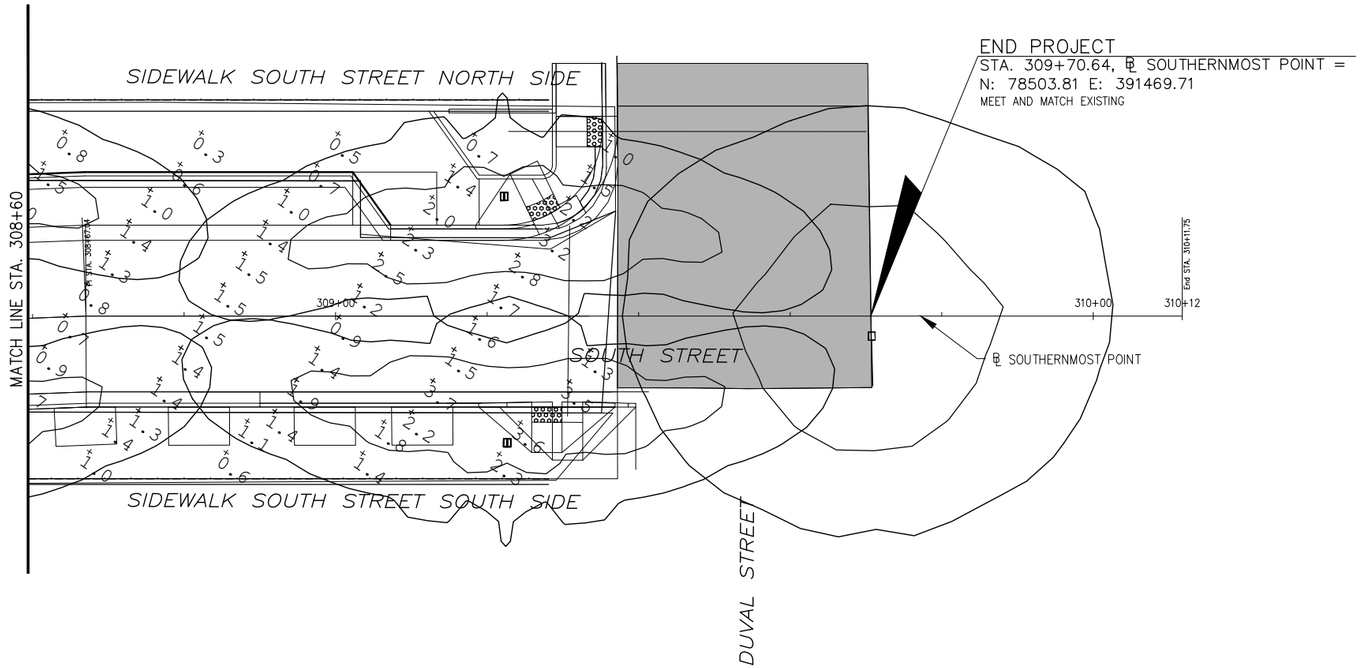

END PROJECT
STA. 309+70.64, ℄ SOUTHERNMOST POINT =
N: 78503.81 E: 391469.71
MEET AND MATCH EXISTING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PHOTOMETRIC PLANS

SHEET NO.
LT-9

FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\D0257342\PLANLT01 PHOTOMETRIC.DWG

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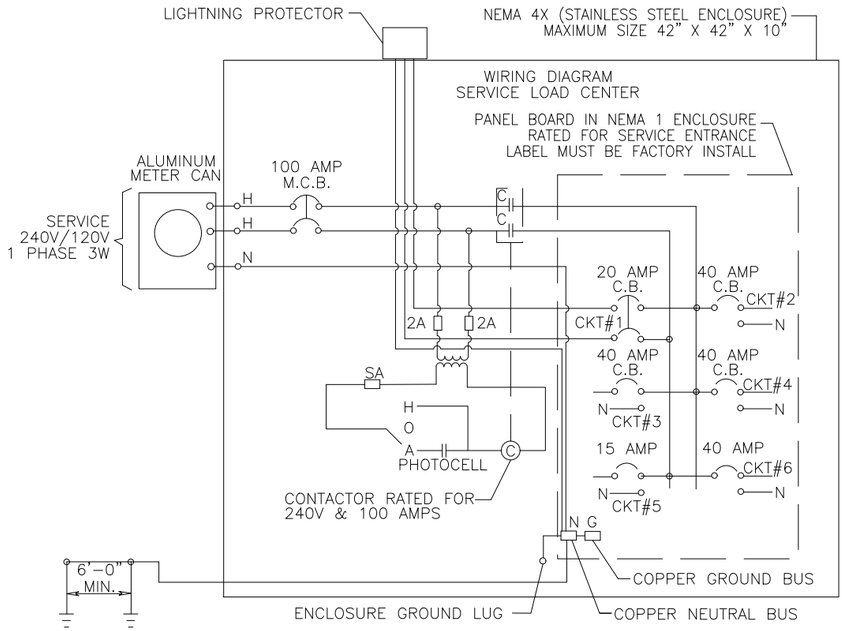
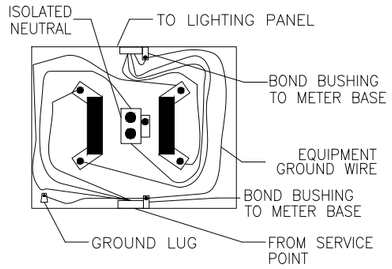
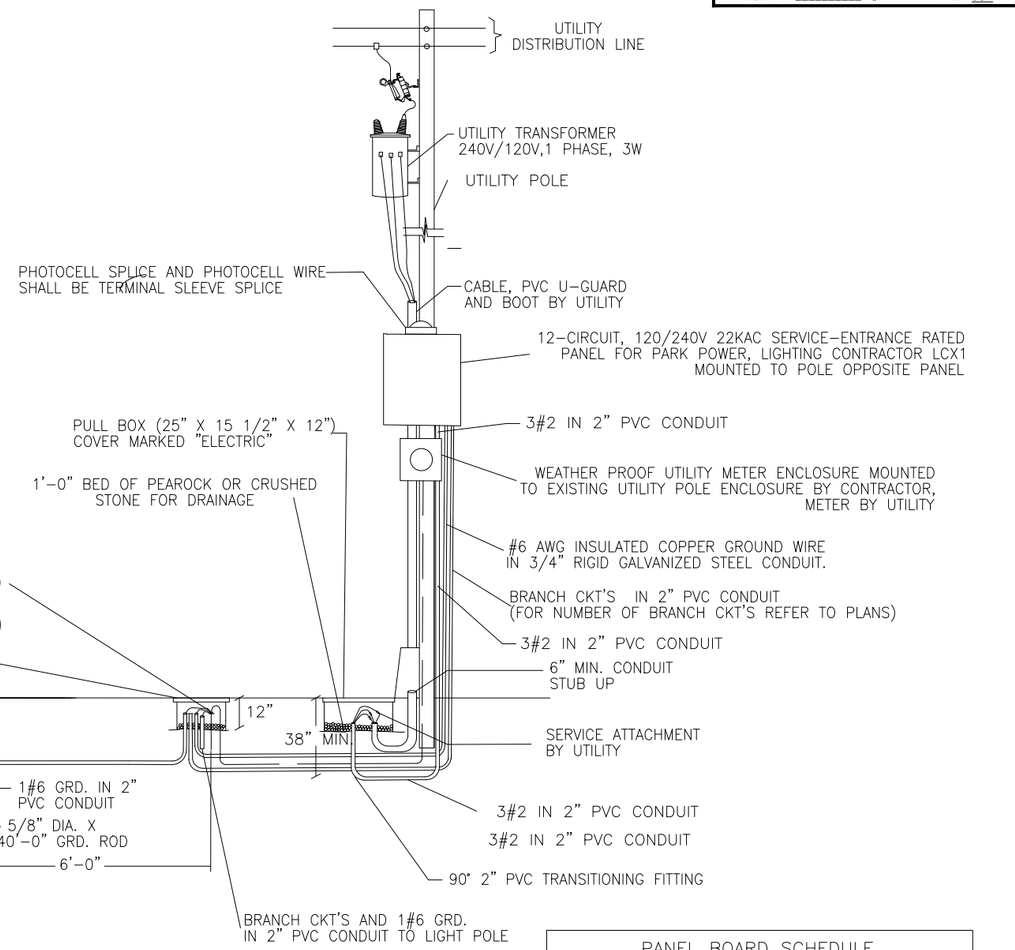


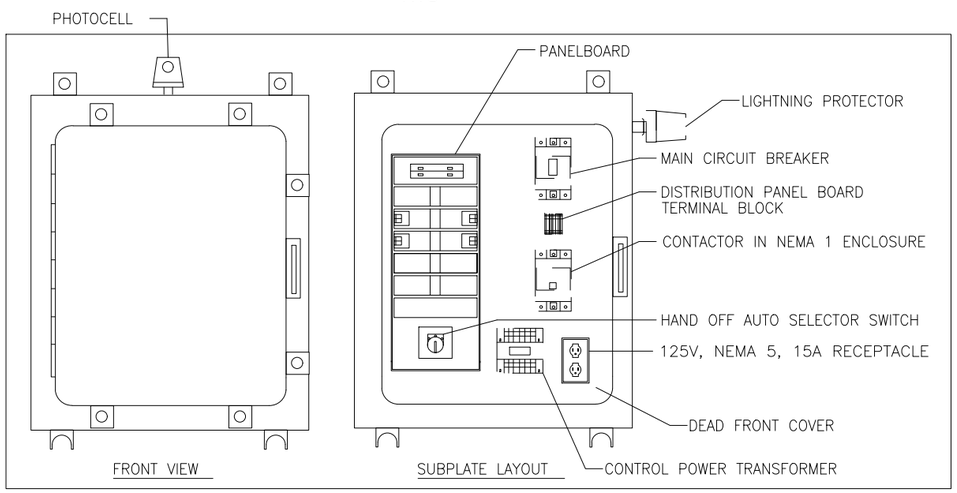
WIRING DIAGRAM SERVICE LOAD CENTER
NTS



METER SOCKET DETAIL
NTS



SERVICE POINT DETAIL
NTS



LIGHTING CONTROL CENTER
NTS

DESIGNER NOTES:

1. A MAIN BREAKER IS REQUIRED IN ALL SERVICE PANELS WITH 2 OR MORE FEEDER BREAKERS.
2. BUSBAR TO MATCH BREAKER AMPERAGE, IF MAIN BREAKER EXCEEDS 100 AMPS.
3. 40 AMP BREAKERS TO BE USED WITH #6 CONDUCTORS (BREAKERS NEED TO BE RESIZED FOR ALL OTHER CONDUCTOR SIZES).

NOTES:

1. ALL WIRES EXTERNAL TO CONTROL CABINET TO BE TERMINATED TO A TERMINAL.
2. PROVIDE SIGNED AND SEALED STRUCTURAL PLANS AND CALCULATIONS FOR THE PRESTRESSED CONCRETE POLE.
3. BID ITEM 715-7-11 INCLUDES THE COST OF AN ALUMINUM METER APPROVED BY UTILITY WITH A GROUND LUG, BYPASS MECHANISM WITH LEVER AND ISOLATED NEUTRAL.
4. CONTRACTOR SHALL COORDINATE WITH FLORIDA KEYS ELECTRIC COOPERATIVE ASSOCIATION IF THE JOB IS FROM THE 7 MILE BRIDGE TO MONROE COUNTY LINE.

PANEL BOARD SCHEDULE
NEMA-1 1Ø,3W,240/120 V (2P - 100 A MCB)
10,000 RMS SYMETRICAL SURF-MTD

CKT NO	SERVING	kVA	AMPS	FUSE	WIRE/CONDUCT
A-1	LIGHTING PROTECTOR	0	0	20	#12
A-2	STREET LIGHTING	0.407	3.39	40	#6
A-3	STREET LIGHTING	0.116	0.97	40	#6
A-4	STREET LIGHTING	0.348	2.91	40	#6
A-5	RECEPTACLE	0.360	3.0	15	#12
A-6	LIGHTNING PROTECTOR	0.116	0.97	40	#6

NUMBERS OF BRANCH CKT. BREAKERS AS REQUIRED

CONTINUOUS LOADS= 989 VA
25% CONT. LOAD= 247 VA 25% Amp= 6.7 A
NON CONT. LOAD= 360 VA
TOTAL= 1596 VA

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

ELECTRICAL POWER SERVICE DETAIL

SHEET NO. LT-10

PLOT DATE: 11/21/2025 4:18 PM
FILE LOCATION: C:\BMS\BCC-PW-01\JUAN RAMIREZ\00257342\SRPLT01.DWG
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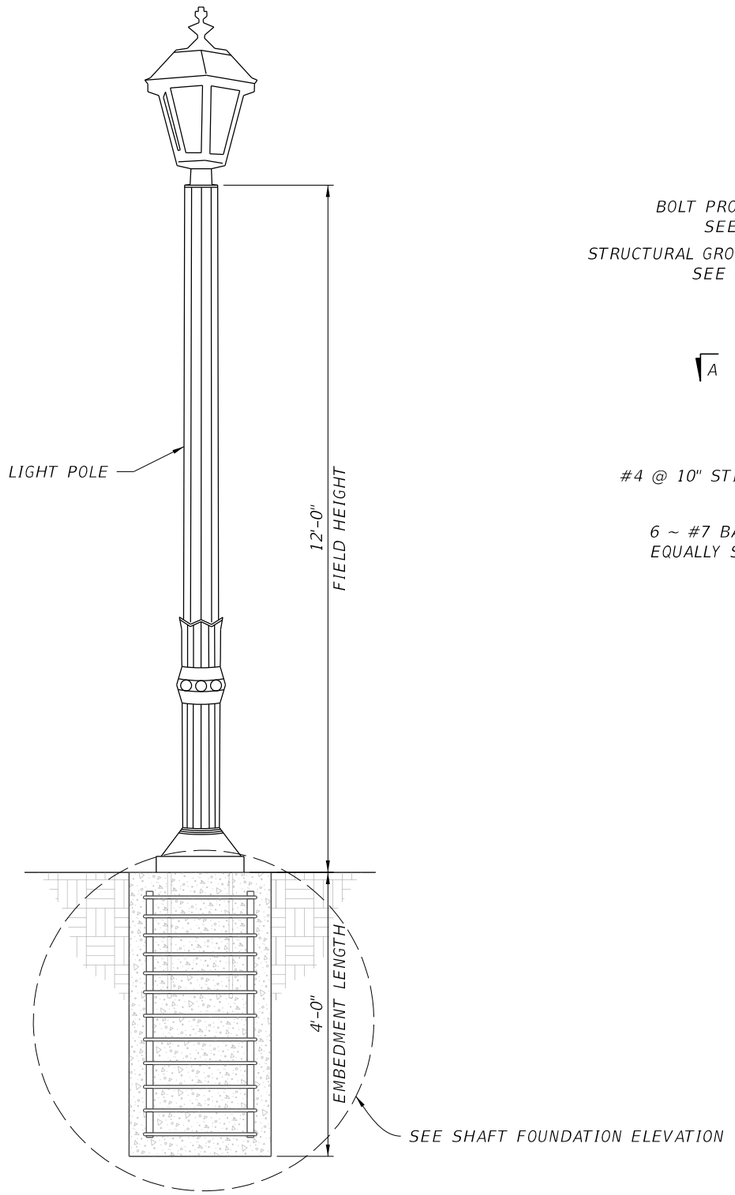
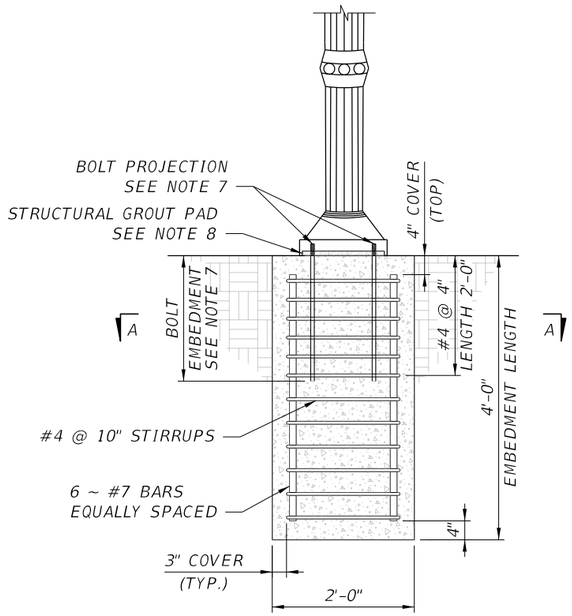
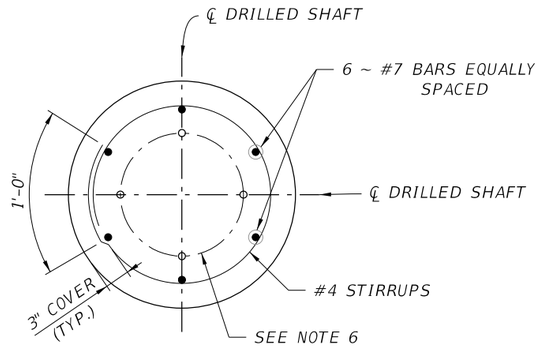


ELEVATION



SHAFT FOUNDATION ELEVATION



SECTION A-A

NOTES:

1. DESIGN WIND SPEED: 180 MPH (AS PER MANUFACTURER PRODUCT SPECIFICATIONS)
2. CONCRETE: CLASS II
4. REINFORCING STEEL: ASTM A955 GRADE 60 (UNS S31603 STAINLESS STEEL BAR).
5. FOUNDATION DESIGN BASED ON THE FOLLOWING DESIGN PARAMETERS.
   SOIL VALUES USED:
   - CLASSIFICATION= COHESIONLESS (FINE SAND)
   - FRICTION ANGLE= 30 DEGREES (30°)
   - UNIT WEIGHT= 50 LBS. / CU. FT. (ASSUMED SATURATED)
6. ANCHOR BOLTS SHALL BE INSTALLED AS PER MANUFACTURE'S RECOMENDATIONS.
7. BOLT EMBEDMENT AND BOLT PROJECTION AS PER MANUFACTURE'S RECOMENDATIONS.
8. INSTALL STRUCTURAL GROUT PAD ACCORDING TO FDOT SPEC. 649-9.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

LIGHT POLE FOUNDATION

SHEET NO. LT-11

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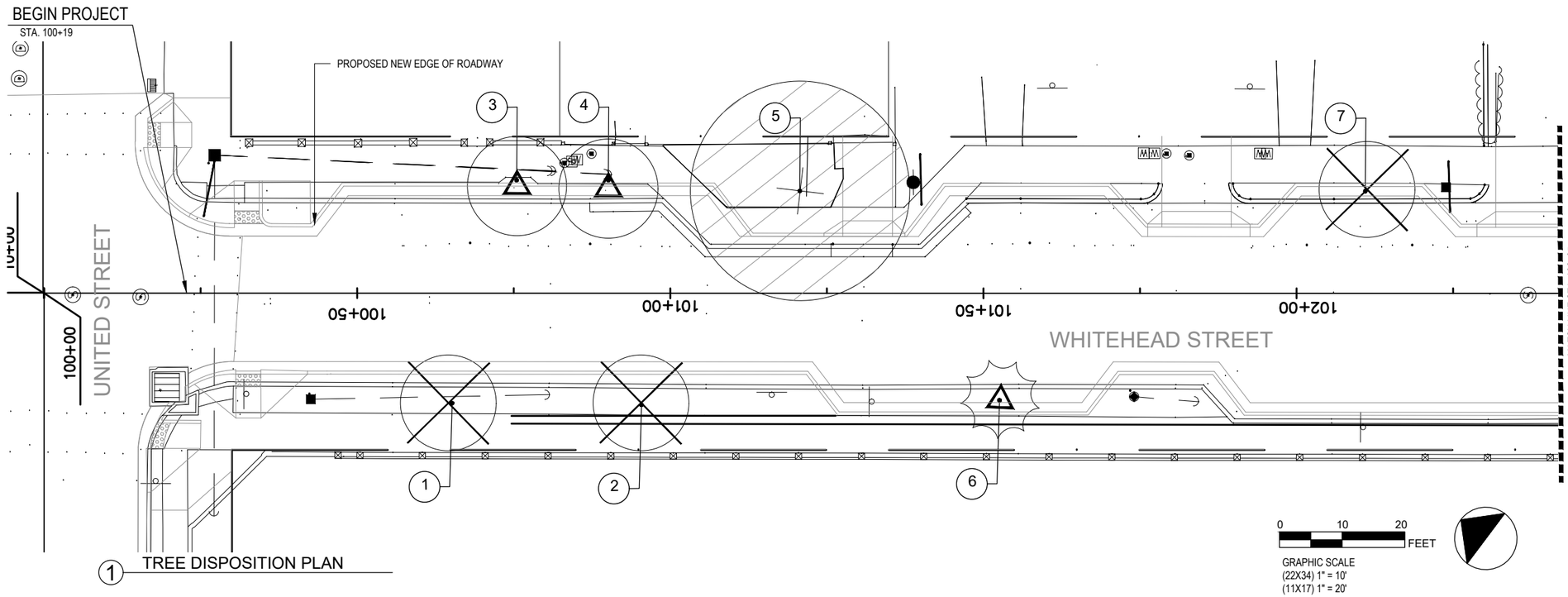
PLOT DATE: 11/21/2025 4:49 PM



1 TREE DISPOSITION PLAN

0 10 20 FEET

GRAPHIC SCALE
(22X34) 1" = 10'
(11X17) 1" = 20'

TREE DISPOSITION LEGEND

- TREE/PALM TO REMAIN
- TREE/PALM TO REMOVE
- TREE/PALM TO RELOCATE

Tree Disposition List								
No.	Common Name	Scientific Name	DBH (")	Ht.(')	Spr. (')	Condition	Action	Comments
1	Mahogany	Sweitenia mahagoni	22	55	40	Fair	REMOVE	
2	Mahogany	Sweitenia mahagoni	16	40	15	Poor	REMOVE	Major limb loss
3	Stopper	Eugenia spp	1.5	10	3	Good	RELOCATE	
4	Green Buttonwood	Conocarpus erectus	1.5	9	3	Fair	RELOCATE	
5	Mahogany	Sweitenia mahagoni	38	60	30	Good	Remain	
6	Thatch Palm	Thrinax radiata	3	15	10	Good	RELOCATE	
7	Spanish Stopper	Eugenia spp	2	12	0	Dead	REMOVE	May have been removed

TOTALS FOR ENTIRE PROJECT

TOTAL TREES TO REMAIN = 1
TOTAL TREES TO BE REMOVED = 3
TOTAL TREES TO BE RELOCATED = 2
TOTAL PALMS TO BE REMOVED = 3
TOTAL PALMS TO BE RELOCATED = 23
RELOCATIONS:
PALMS & TREES TO BE RELOCATED SHALL BE MOVED TO LOCATIONS TBD BY CITY OF KEY WEST

NOTE: NO PALMS SHALL BE HURRICANE CUT

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CURTIS + ROGERS DESIGN STUDIO INC
Jennifer J. Rogers-Pomaville
RLA FL #6667093
7520 S. Red Road, Suite M
South Miami, Florida 33143
Phone: (305) 442-1774

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

TREE DISPOSITION PLAN & LIST

SHEET NO. L-1

FILE LOCATION: G:\PROJECT FILES\SOUTHERNMOST POINT PLAZA\00_DRAWINGS\00_C+R\02_CAD\01_BASES\SMP_BASE_TD_2.DWG

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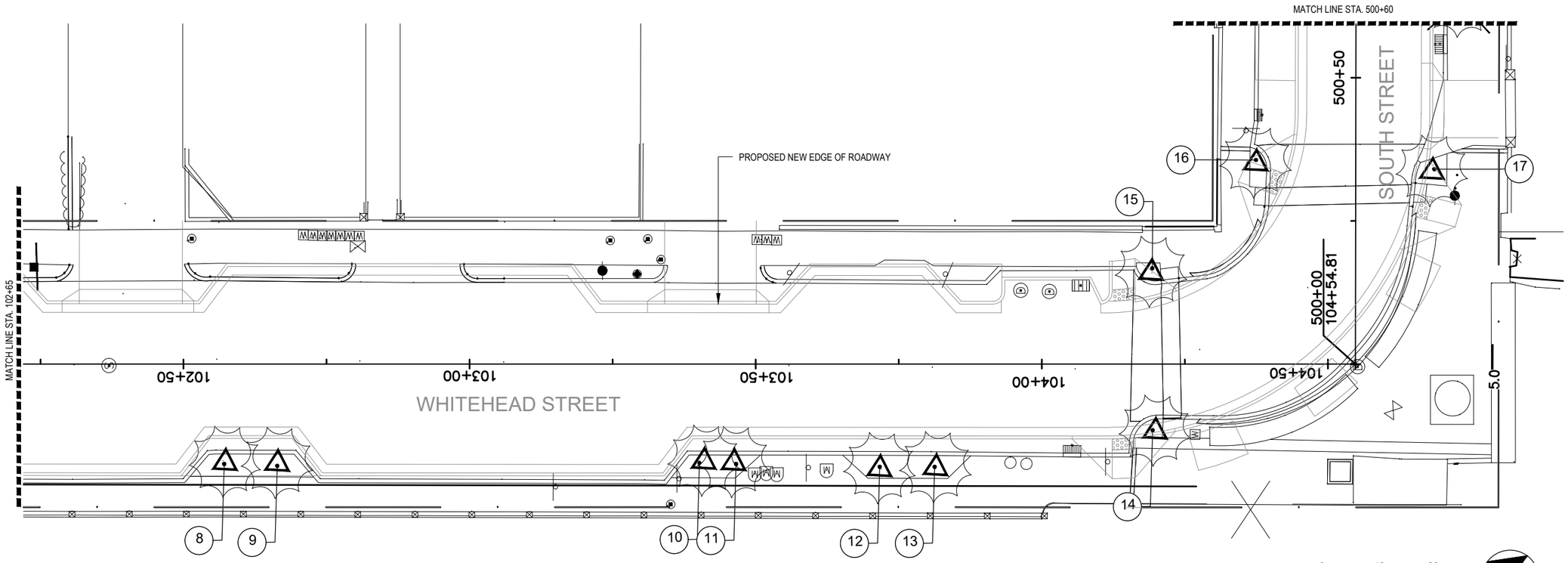

1 TREE DISPOSITION PLAN

Tree Disposition List								
No.	Common Name	Scientific Name	DBH (")	Ht.(')	Spr. (')	Condition	Action	Comments
8	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	
9	Cabbage Palm	Sabal palmetto	10	25	15	Good	RELOCATE	
10	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	
11	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	
12	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	
13	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	
14	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	
15	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	
16	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	
17	Cabbage Palm	Sabal palmetto	10	20	15	Good	RELOCATE	

RELOCATIONS:
PALMS & TREES TO BE RELOCATED SHALL BE MOVED TO LOCATIONS TBD BY CITY OF KEY WEST

NOTE: NO PALMS SHALL BE HURRICANE CUT

0 10 20 FEET
GRAPHIC SCALE
(22X34) 1" = 10'
(11X17) 1" = 20'

TREE DISPOSITION LEGEND
- TREE/PALM TO REMAIN
- TREE/PALM TO REMOVE
- TREE/PALM TO RELOCATE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CURTIS • ROGERS DESIGN STUDIO INC
Jennifer J. Rogers-Pomaville
RLA FL #6667093
7520 S. Red Road, Suite M
South Miami, Florida 33143
Phone: (305) 442-1774

CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

TREE DISPOSITION PLAN

SHEET NO. L-2

PLOT DATE: 11/21/2025 4:49 PM

FILE LOCATION: G:\PROJECT FILES\SOUTHERNMOST POINT PLAZA\00_DRAWINGS\00_C+R\02_CAD\01_BASES\SMP_BASE_TD_2.DWG

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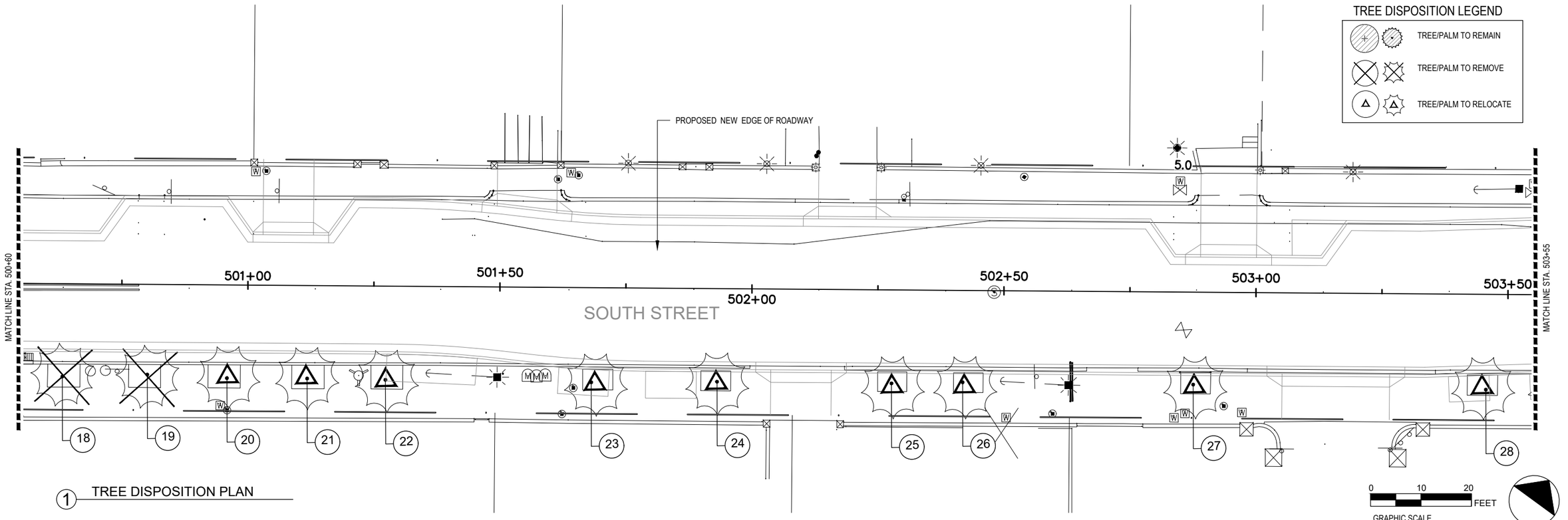

1 TREE DISPOSITION PLAN

Tree Disposition List								
No.	**Common Name**	**Scientific Name**	**DBH (")**	**Ht.(')**	**Spr. (')**	**Condition**	**Action**	**Comments**
18	Thatch Palm	Thrinax radiata	4	20	12	DEAD	REMOVE	
19	Thatch Palm	Thrinax radiata	4	20	12	DEAD	REMOVE	
20	Thatch Palm	Thrinax radiata	4	20	12	Fair	RELOCATE	
21	Thatch Palm	Thrinax radiata	4	20	12	Fair	RELOCATE	
22	Thatch Palm	Thrinax radiata	4	20	12	Fair	RELOCATE	
23	Thatch Palm	Thrinax radiata	4	15	12	Good	RELOCATE	
24	Thatch Palm	Thrinax radiata	4	15	12	Good	RELOCATE	
25	Thatch Palm	Thrinax radiata	4	15	12	Good	RELOCATE	
26	Thatch Palm	Thrinax radiata	4	15	12	Good	RELOCATE	
27	Thatch Palm	Thrinax radiata	4	15	12	Good	RELOCATE	
28	Thatch Palm	Thrinax radiata	4	15	12	Good	RELOCATE	

RELOCATIONS:
PALMS & TREES TO BE RELOCATED SHALL BE MOVED TO LOCATIONS TBD BY CITY OF KEY WEST

NOTE: NO PALMS SHALL BE HURRICANE CUT

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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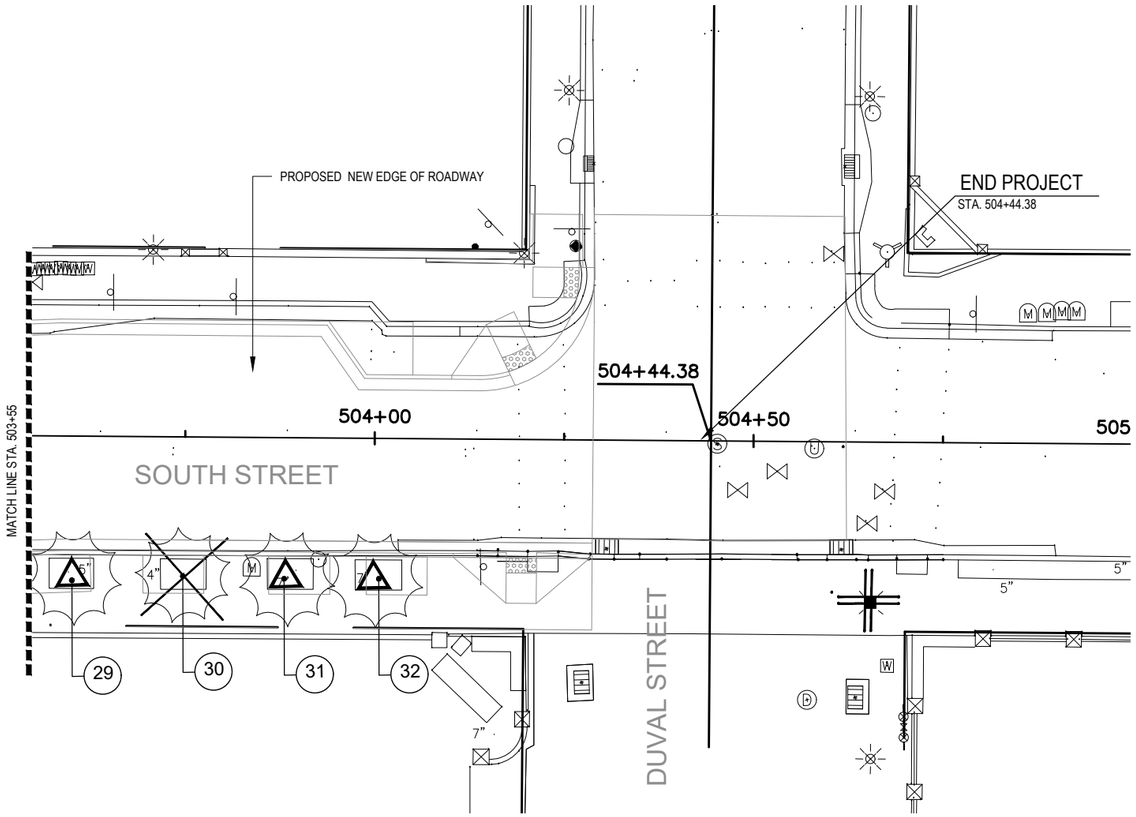
CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

TREE DISPOSITION PLAN

SHEET NO. L-3



1 TREE DISPOSITION PLAN

TREE DISPOSITION LEGEND

- TREE/PALM TO REMAIN
- TREE/PALM TO REMOVE
- TREE/PALM TO RELOCATE

Tree Disposition List

No.	Common Name	Scientific Name	DBH (")	Ht.(')	Spr. (')	Condition	Action	Comments
29	Thatch Palm	Thrinax radiata	4	15	12	Good	RELOCATE	
30	Thatch Palm	Thrinax radiata	4	20	12	DEAD	REMOVE	
31	Thatch Palm	Thrinax radiata	4	20	12	Good	RELOCATE	
32	Thatch Palm	Thrinax radiata	4	20	12	Good	RELOCATE	

RELOCATIONS:
PALMS & TREES TO BE RELOCATED SHALL BE MOVED TO LOCATIONS TBD BY CITY OF KEY WEST

NOTE: NO PALMS SHALL BE HURRICANE CUT

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

TREE DISPOSITION PLAN

SHEET NO. L-4

PLOT DATE: 11/21/2025 4:50 PM
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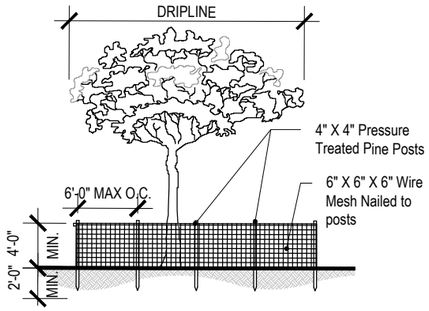

NOTES: CRITICAL ROOT ZONE (CRZ): THE AREA SURROUNDING A TREE WITHIN A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE TRUNK DIAMETER AT 54" ABOVE FINISHED GRADE. FOR GROUPS OF TREES, PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY. TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL ROOT ZONE.

1 STAKING FOR TREE PROTECTION ZONE
INDIVIDUAL TREE NTS

Tree Protection Notes

1.0 A Tree Protection Zone (TPZ) shall be established around all trees which are to be retained. The TPZ shall include all such trees in a single cluster, with protective fencing around the perimeter of the cluster.

2.0 The TPZ fencing shall be 4 feet high min., with wood posts spaced max. 10 feet o.c., with 2 x 2 mesh. Metal mesh shall be securely attached to posts and rails.

3.0 The area within the TPZ shall be maintained in its current condition. There shall be no grade changes, bulldozing, scarifying or any other type of soil disturbance within this area. No new utilities shall be installed in this area.

4.0 The area within the TPZ shall be kept free of heavy equipment operation. There shall be no movement of heavy equipment within these areas.

5.0 The area within the TPZ shall not be used for any type of materials storage or dumping (including wash water).

6.0 There shall be no damage, wounding, or other types of physical injury made to the tree trunks, buttress roots, surface roots, limbs, branches, or other exposed parts of the trees. No signage shall be attached to the trees and no work stations set up beneath the trees.

7.0 Prior to construction activities, any tree limbs which may interfere with, or are at risk of damage or injury from, construction activities, shall be pruned following the guidelines in the most recent edition of the American National Standards Institute A-300 document. All trees to be retained shall be pruned to clean their crowns, as defined in the ANSI A-300 document (remove dead, diseased, or broken branches).

8.0 Any tree roots which are at risk of being cut, damaged or exposed during excavation activities shall be pruned beforehand using appropriate pruning tools (saws, loppers or clippers) and techniques, leaving clean, smooth cuts at a maximum distance allowable from the tree trunks. When digging trenches using trenchers, backhoes or similar equipment, tree roots shall be cut by hand, using appropriate pruning tools, at least 2 to 4 inches further back, toward the tree, from the edge of the trench and behind the equipment-damaged roots. Trenches shall then be backfilled with sand or existing soil.

9.0 Heavy equipment shall be routed around all TPZ's. Heavy equipment routes shall have gravel or mulch maintained at a minimum depth of 3 to 4 inches at all times to help disperse weight loads and minimize soil compaction and root damage.

REVISIONS						CURTIS + ROGERS DESIGN STUDIO INC	Jennifer J. Rogers-Pomaville RLA FL #6667093 7520 S. Red Road, Suite M South Miami, Florida 33143 Phone: (305) 442-1774	CITY OF KEY WEST ENGINEERING DEPARTMENT		TREE PROTECTION DETAILS & NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			PROJECT NAME	PROJECT NO.		L-5
								SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401		

PLOT DATE: 11/21/2025 4:50 PM
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TREE RELOCATION NOTES

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes: Labor, materials, necessary equipment and services to complete the tree relocation work.

B. Related Section:

1. 02931 - Tree Protection
2. 02950 - Trees, Plants and Groundcovers

1.2 REFERENCES

A. American National Standards Institute (ANSI): Z60.1 American Standard for Nursery Stock.

B. Florida Department of Agriculture and Consumer Services: "Grades and Standards for Nursery Plants", latest edition.

C. Tree Care Industry Association (TCIA)

D. IFAS Extension - University of Florida - "Transplanting Palms" - Alan W. Meerow and Timothy K. Broschat.

1.3 DESCRIPTION

A. Relocate existing trees and/or palms to a proposed location.

B. Remove other vegetation as necessary and as directed by the A/E to accommodate new plantings. Prepare areas to be planted according to Section 02950.

C. Resulting tree pits of relocated material shall be backfilled with clean fill and brought back flush with surrounding grade, unless the pits are to be immediately replanted. Stabilize grade if required. Correct problems caused by erosion, wind, etc., in the reclaimed area. Pits to be quickly replanted shall be surrounded by safety barricades to prevent accidental falls into pits.

1. In areas where new plant material will replace relocated plant material, appropriate planting soil mix shall be used as backfill.

1.4 SUBMITTALS

A. Submit a list of equipment, procedure, and labor force anticipated for use for tree relocation for approval by the A/E.

B. Submit a schedule by day indicating units to be dug and relocated. Note materials requiring root pruning, and that the relocation schedule is to begin at the end of the specified root pruning period.

C. Obtain permits required by authority having jurisdiction.

D. Submit written certification that trees indicated to remain have been protected during the course of construction according to Section 02931. Certify that where damage did occur:

1. Trees were promptly and properly treated.
2. Indicate which damaged trees (if any) are incapable of retaining full growth potential and are recommended to be replaced.

1.5 QUALITY ASSURANCE

A. The Contractor's crew used for the relocation of existing trees shall have minimum 10 years experience in relocation of existing plant materials and be recognized by the American Association of Nurserymen.

B. Unless otherwise specified, tree transplanting shall comply with TCIA.

C. Comply with American National Standards Institute A-300 standard, 2001 for pruning and removing branches from trees to remain to clear of new construction and for relocation.

D. Canopy pruning should only be done as needed to facilitate the move (for logistics only) and it should be minimal. No topping or cutting back. However, in some species, stripping of the leaves is still done/recommended, i.e. yellow tabs and cabbage palms (pruning), to reduce evapotranspiration rates.

E. Perform tree repair work for damage incurred by new construction.

F. Provide routine progress evaluation reports on relocated trees until the end of the maintenance period.

G. Evaluate existing trees and verify trees are free of disease and ready to survive relocation from the site to their new location on-site or off-site.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Properly handle trees and palms during moving so trunks will not be scarred or damaged and to avoid broken limbs.

B. Transport trees on vehicles of adequate size to prevent overcrowding, broken limbs, foliage damage, or root ball damage.

C. Keep root balls moist during relocation.

D. Protect tree crowns with shade cloth to prevent desiccation and wind burn. Crowns shall be periodically sprayed with water to help ensure against desiccation.

E. Handle plant material only in ways and means accepted by the landscaping industry and accepted by the A/E.

F. Plant material shall be planted the same day it is dug. Coordinate preparation of planting pits or beds to ensure this schedule.

1.7 MAINTENANCE

A. Maintain relocated plant materials immediately after each item is planted and continued until the 90 day watering period is completed, upon which time the Owner will take over maintenance of materials following procedures and recommendations of contractor and specifications.

B. During the maintenance period, maintain relocated plant materials according to procedures described in Section 02950.

1.8 WARRANTY

A. All relocated plant material shall be warranted for a period of one year.

1. For relocated trees or palms that die, replace their canopy area with new trees in accordance with the requirements of the City of Key West Tree Commission Ordinance.

B. Repair damage to other plants and lawn or construction work within the relocation area during tree transplantation at no cost to the Owner. This includes, but is not limited to, damage to curbs, walks, roads, fences, site furnishings, etc.

PART 2 PRODUCTS

2.1 MATERIALS

A. Peat moss, topsoil, planting soil, mulch, staking, and guying, shall be as specified in section 02950.

B. Fill materials shall be as specified in Section 02950.

2.2 FERTILIZER

A. Minor Element Mix shall be "Micro Mix" liquid as produced by Lesco, Inc., to be diluted at a rate of 1 gallon per 100 gallons of water and applied at a rate of 50 gallons per 1000 square feet of canopy, or "Iron Roots" applied as per manufacturer's instructions, or approved equal.

PART 3 EXECUTION

3.1 PREPARATION PRIOR TO TRANSPLANTING

Sabal Palms: Remove all seed pods, trim in maximum of 10-2. Trim all boots to a clean and regular pattern, no more than 3" from trunk.

2. Repair any existing injuries to tree including cavities and machinery marks.

B. Watering and Fertilization

1. Clear the root ball area of all foreign material, trash, etc. to expose undisturbed soil.

2. Trees shall be deep injection fertilized within 24 hours after crown pruning, a minimum of 10 days prior to root pruning. Specified liquid fertilizer shall be used and applied at the concentration and application rates stated herein.

3. Mix suspendable powdered fertilizer and minor element mix to produce a single fluid with each component included at the specified concentration. Inject into root zone within the limits of proposed rootball at the rate of 50 gallons fluid per 1,000 square feet of tree canopy, using only approved spray equipment.

4. Trees to be root pruned shall be watered two weeks prior to root severance. During this period, the soil moisture in the root zone shall be maintained at an optimum level for growth. This is interpreted to mean that two (2) to three (3) inches shall be applied to the root zone each week to achieve deep watering of the area.

C. Root Pruning

1. All trees shall be root pruned by digging a trench 24" deep by 12" wide by hand. All roots are to have a smooth, clean cut without tearing or splitting.

2. Root balls are to be formed round, all trenches being equal distance from the trunk.

D. Backfilling Trench:

1. All trenches are to be backfilled with approved planting soil and flooded to remove air pockets. Fill entire trench.

2. Re-establish a 6" berm, 12" outside the root pruning trench using excavated soil.

E. Bracing and Guying of Trees After Root Pruning: Bracing or guying at time of severing roots shall be provided if required to support trees during the root regeneration period. Such work shall provide stability and support to the extent that trees are maintained in a vertical position for duration of the root regeneration period.

F. Mulching: Spread approved mulch 3" thick within the bermed area, except where Flexipave is used.

G. Watering After Root Pruning

1. Watering after root pruning shall be three times per week.

2. Watering shall be accomplished by a water truck, or by on-site water supply as required to provide sufficient quantity and pressure.

3. Watering shall continue until the root generation period is over.

H. Root generation Period

1. 45 days minimum.

3.2 TRANSPLANTING OPERATION

A. Transplanting shall consist of on-site or off-site transplanting of existing trees or palms from proposed construction areas to permanent positions as noted on the drawings.

B. Digging, Wrapping, and Handling: Plants shall be dug and prepared for moving in a manner that will not cause damage to branches, shape, root system, and development.

C. Balled and Burlapped Plants:

1. Balls shall be firmly wrapped with burlap or accepted cloth substitute.
2. No balled plant will be acceptable if the ball is cracked and broken or if the stem or trunk is loose in the ball, either before or during transplanting.
3. Balled plants shall be lifted and handled from the bottom of the ball.
4. Transport plant material on vehicles of adequate size to prevent overcrowding, broken limbs, foliage damage or root damage.
5. Root ball and foliage shall be kept moist during all phases of relocation.
6. Protect ball and deliver to the site, plant immediately, and water thoroughly.

3.3 PLANTING

A. Relocated Material:

1. Relocated trees/palms shall be planted according to procedures described for new material, Section 02950. Verify final grades have been established before planting operations. Ensure proposed planting pits drain by test-filling with water before transplantation.
2. Setting of Plants: All trees shall be centered in the hole as indicated in section 02950. During backfilling, a hose with water running at a slow rate shall be used to "puddle in" the soil. Rod-in the water-soil mix to assure that all air pockets are eliminated. If tree settles, Contractor must reset to proper level.
3. Brace designated material according to procedures described for new plant materials, Section 02950.
4. Placement of Mulch: A 4" layer of mulch shall be placed around the base of the trees but not touching the tree trunk. Trees shall have a blanket of mulch that covers the area of the planting pit. Where trees are planted in masses, the total area below the tree group shall be mulched.
5. Feed with a diluted solution of N-P-K in solution form with a soil needle, providing water, air, and nutrients.

3.4 WATERING

A. Provide manual watering (by hand or truck) of relocated plant materials for 90 days. If used, after watering period, Contractor shall be responsible for the complete removal of all temporary watering systems.

B. Following relocation, water trees daily for the first two weeks, every other day for the next three weeks, and every third day for the balance of the three-month watering/maintenance period. Such watering shall thoroughly saturate the root ball to its full depth.

NOTE: ALL INSPECTIONS SHALL BE COMPLETED BY KEY WEST URBAN FORESTRY

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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

TREE RELOCATION NOTES

SHEET NO. L-6

LANDSCAPE SPECIFICATIONS

1. GENERAL

1.01 The contractor shall obtain and pay for all permits related to this section of work unless previously excluded.

1.02 Before changes or substitutions can be made due to unavailability of plant material, submit evidence of having undertaken methods of locating plant material that is acceptable to the CKW Urban Forester.

1.03 In the case of discrepancy in the plant quantities between the plan drawings, plant call outs, plant list or plant schedule, the number of plants or square footage of the planting bed actually drawn on the plan drawings shall be deemed correct and prevail.

1.04 Evidence of inadequate protection following digging, carelessness in transit, or improper storage or handling shall be cause for rejection.

1.05 Submittals: Contractor to submit all product submittals 8 weeks prior to installation of plantings.

a) Product Data: submit manufacturer product data and literature describing all products required by this section to the CKW Urban Forester for approval.

b) Samples: submit samples of each product and material where required, to the CKW Urban Forester for approval. Label samples to indicate product, characteristics and locations in the work. Samples will be reviewed for appearance only. Compliance with other requirements is the responsibility of the Contractor.

c) Plant sources: submit sources of plants to the CKW Urban Forester for approval.

1.06 Pre-Construction Conference: Contractor shall schedule a pre-construction conference with the Landscape Architect at least seven (7) days before beginning the work, to review any questions the Contractor may have regarding the work, administrative procedures during construction and project work schedule.

1.07 The CKW Urban Forester shall be informed of the progress of the work so that the work may be observed at the following key times in the construction process.

a) Site Conditions Prior to Start of Planting - to review soil and drainage conditions

b) Completion of Plant layout staking- review of plant layout

c) Plant Quality- Review of plant quality at time of delivery and prior to installation. The Landscape Architect reserves the right to select and observe all plants at the nursery prior to delivery. If a particular defect or substandard element can be corrected at the nursery as determined by the landscape architect, the agreed upon remedy may be applied by the nursery or contractor provided that the correction allows the plant to meet the requirements stipulated in this section. Any work to correct defects shall be at the contractor's expense.

The CKW Urban Forester may choose to attach their seal to each plant or a representative sample. Viewing or sealing of plants by the Owner's representative at the nursery does not preclude the landscape architect to reject the plant material while on site.

d) Completion of the Planting- review the completed planting.

1.08 The Landscape Architect shall inspect all work for Substantial Completion upon notice of completion. Upon completion and re

-inspection of all repairs or renewals necessary in the judgement of the Landscape Architect, the Landscape Architect will recommend to the Owner the Acceptance of the work.

1.09 Following the one (1) year establishment period, maintenance of the plant material shall become the Owners responsibility. The Contractor shall provide the Owner with a typewritten recommended maintenance program at the end of the year: Make periodic inspections of the Owners maintenance during the warranty period: Submit written report to the Owner of any corrective measures required to keep the warranty valid.

1.10 It is the responsibility of the contractor to be aware of all surface and subsurface conditions, and to notify the CKW Urban Forester, in writing of any circumstances that would negatively impact the health of plantings. Do not proceed with work until satisfactory conditions have been corrected.

1.11 All plant material shall be warranted for a period of one (1) year from the time of Acceptance.

1.12 Plants shall be healthy, free of pests and disease, and in flourishing condition at the end of the warranty period. Plants shall be free of dead and dying branches and branch tips, and shall bear foliage of normal density, size and color.

1.13 Replace dead plants and all plants not in a vigorous, thriving condition, as determined by the Landscape Architect, during and at the end of the warranty period, without cost to Owner, as soon as weather conditions permit and within the specified planting period.

Replacements shall closely match adjacent specimens of the same species. Replacements shall be subject to all requirements stated in these specifications.

a. Make all necessary repairs caused by plant replacement activities.

b. The warranty of all replacement plants shall extend for an additional one year period from the date of their acceptance after replacement. In the event that a replacement plant is not acceptable during or at the end of the said extended warranty period, the Owner may elect either one more replacement, without warranty, or credit for each item.

1.14 At the end of the warranty period, the Key West Urban Forester will inspect the work for Final Acceptance. Upon completion of all repairs or replacements necessary, in the judgement of the CKW Urban Forester, the work will be recommended for Final Acceptance by the Owner.

II PRODUCTS

2.01 All plant material shall be Florida No. 1, as specified in the Grades and Standards for Nursery Plants, 2015 or latest edition unless otherwise noted.

2.02 All plant material shall meet or exceed the size requirements as specified in the plant list. No substitutions shall be accepted without the CKW Urban Forester's approval. If a range of size is given, no plant shall be less than the minimum size and not less than 50 percent of the plants shall be as large as the maximum size specified.

2.03 Contractor shall schedule with CKW Urban Forester a time in which to view plant material in the nursery prior to installation.

2.04 Planting soil shall consist of a mixture of 60% sand and 40% muck with a PH between 6.5 and 7.5.

2.05 Mulch shall be mini pine bark mulch. Submit suppliers product specification data sheet and a one gallon sample for approval.

2.06 Fertilizer for planting shall be Agriform planting tablets 20-10-5 formula, 21 gram. Fertilizer for palms shall be “Palm Special” - from AFEC 8-4-12. Submit suppliers product specification data sheet.

2.07 Weed control fabric shall be Pro5 Weed barrier by Dewitt or approved equal. Submit suppliers product specification data sheet.

2.08 Tree guying and staking material shall be as shown in the details. Submit manufacturer's product data for approval.

2.09 Watering Bags: Plastic watering bags holding a minimum of 25 gallons of water and with a slow drip hole water release system, specifically designed to water establishing trees. Water should release over a several day period, not within a few hours. Watering bags shall be Treegator Irrigation Bags sized to appropriate model for the requirements of the plant, as manufactured by Spectrum Products, Inc,. Youngsville, NC. 27596, or approved equal. Submit suppliers product specification data sheet and a 2 bag- samples for approval.

III EXECUTION

3.01 Contractor is responsible for verifying all underground utilities and obtaining the necessary clearances prior to planting.

3.02 Contractor shall examine subgrade and rough grade before planting and alert CKW Urban Forester of any unacceptable subgrade or rough grade. The Contractor shall notify the CKW Urban Forester, in writing, of all soil or drainage conditions that he/she considers detrimental to growth of plant material. If the contractor fails to notify the CKW Urban Forester of such conditions, he/she shall remain responsible for the plant material through the warranty period.

3.03 Volumetric soil moisture level, in both the planting soil and the root balls of all plants, prior to, during and after planting shall be above permanent wilting point and below field capacity for each type of soil texture within the following ranges.

Soil Type	Permanent Wilting Point	Field Capacity
Sand, Loamy sand, Sandy Loam	5-8%	12-18%
Loam, Sandy Clay, Sandy Clay Loam	14-25%	27-36%

Volumetric soil moisture shall be measured with a digital moisture meter. The meter shall be the Digital Soil Moisture Meter, DSMM500 by General Specialty Tools and Instruments, or approved equivalent.

The Contractor shall confirm the soil moisture levels with a moisture meter. If the moisture is too high, suspend planting operations until the soil moisture drains to below field capacity.

3.04 Subgrade of planting areas shall be loosened or scarified to a minimum depth of 6 inches prior to spreading planting soil. Subgrade shall be brought to true and uniform grade and shall be cleared of stones greater than 2 inch, sticks and other extraneous material.

3.05 Excavation of the Planting Space: Using hand tools or tracked mini-excavator, excavate the planting hole into the existing soil to the depth of the root ball measured after any root ball modification to correct root problems, and wide enough for working room around the root ball or to the size indicated on the drawing or as noted below.

1. For trees and shrubs planted in soil areas that are NOT tilled or otherwise modified to a depth of at least 12 inches over a distance of more than 10 feet radius from each tree, or 5 feet radius from each shrub, the soil around the root ball shall be loosened as defined below or as indicated on the drawings.
   a. The area of loosening shall be a minimum of 3 times the diameter of the root ball at the surface sloping to 2 times the diameter of the root ball at the depth of the root ball.
   b. Loosening is defined as digging into the soil and turning the soil to reduce the compaction. The soil does not have to be removed from the hole, just dug, lifted and turned. Lifting and turning may be accomplished with a tracked mini excavator, or hand shovels.
2. If an auger is used to dig the initial planting hole, the soil around the auger hole shall be loosened as defined above for trees and shrubs planted in soil areas that are NOT tilled or otherwise modified.
3. The measuring point for root ball depth shall be the average height of the outer edge of the root ball after any required root ball modification.
4. If motorized equipment is used to deliver plants to the planting area over exposed planting beds, or used to loosen the soil or dig the planting holes, all soil that has been driven over shall be tilled to a depth of 6 inches.

3.06 For trees to be planted in prepared planting soil that is deeper than the root ball depth, compact the soil under the root ball using a mechanical tamper to assure a firm bedding for the root ball. If there is more than 12 inches of planting soil under the root ball excavate and tamp the planting soil in lifts not to exceed 12 inches.

3.07 Backfill the space around the root ball with planting soil. See Planting Soil- above, for requirements to modify the soil within the planting bed.

A. When the planting hole has been backfilled to three quarters of its depth, water shall be poured around the root ball and allowed to soak into the soil to settle the soil. Do not flood the planting space. If the soil is above field capacity, allow the soil to drain to below field capacity before finishing the planting. Air pockets shall be eliminated and backfill continued until the planting soil is brought to grade level.

B. Where indicated on the drawings, build a 4 inch high, level berm of planting soil around the outside of the root ball to retain water. Tamp the berm to reduce leaking and erosion of the saucer.

C. Thoroughly water the planting soil and root ball immediately after planting.

3.08 All areas to receive shrub planting shall be prepared with planting soil.

3.09 New trees, palms, shrubs and groundcovers shall be fertilized in accordance with manufacturers recommendations.

3.10 After planting, smooth out all grades between plants before mulching. Separate the edges of planting beds and lawn areas with a smooth, formed edge cut into the turf with the bed mulch level slightly lower, 1 and 2 inches, than the adjacent turf sod or as directed by CKW Urban Forester. Bed edge lines shall be a depicted on the drawings.

3.11 All planted areas are to receive a 2" layer of mulch - outside edges of planting areas shall have limerock to aid with chicken management - see details 8 & 9 for layout.

3.12 Weed control fabric shall be installed as per manufacturer's recommendations.

The CKW Urban Forester shall have the authority to require that trees are staked or to reject staking as an alternative way to stabilize the tree.

3.13 Trees that required heavily modified root balls to meet the root quality standards may become unstable. The CKW Urban Forester may choose to reject these trees rather than utilize staking to temporarily support the tree.

A. Trees that are guyed shall have their guys and stakes removed after one full growing season or at other times as required by the CKW Urban Forester.

B. If tree guying is necessary, Contractor shall utilize the tree staking and guying materials specified.

3.14 The contractor shall be fully responsible to ensure that adequate water is provided to all plants from the point of installation through the one (1) year establishment period. The contractor shall adjust the automatic irrigation system, if available, and apply additional or adjust for less water using hoses as required.

3.15 Contractor shall maintain all plant material until acceptance by the City of Key West Urban Forester and through the one (1) year establishment period. Maintenance shall consist of mowing, edging, pruning, watering, weeding, mulching, removal of dead material, maintaining plants in a plumb position, resetting plants to proper grades and upright position, and furnishing and applying such sprays as are necessary to keep plants free of insects and disease, and in a healthy growing condition.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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RLA FL #6667093
7520 S. Red Road, Suite M
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Phone: (305) 442-1774

CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLANTING NOTES

SHEET NO. L-7

PLOT DATE: 1/9/2026 10:33 AM
FILE LOCATION: G:\PROJECT FILES\SOUTHERNMOST POINT PLAZA\00_DRAWINGS\00_C+R\02_CAD\01_BASES\SMP_BASE_PL.DWG
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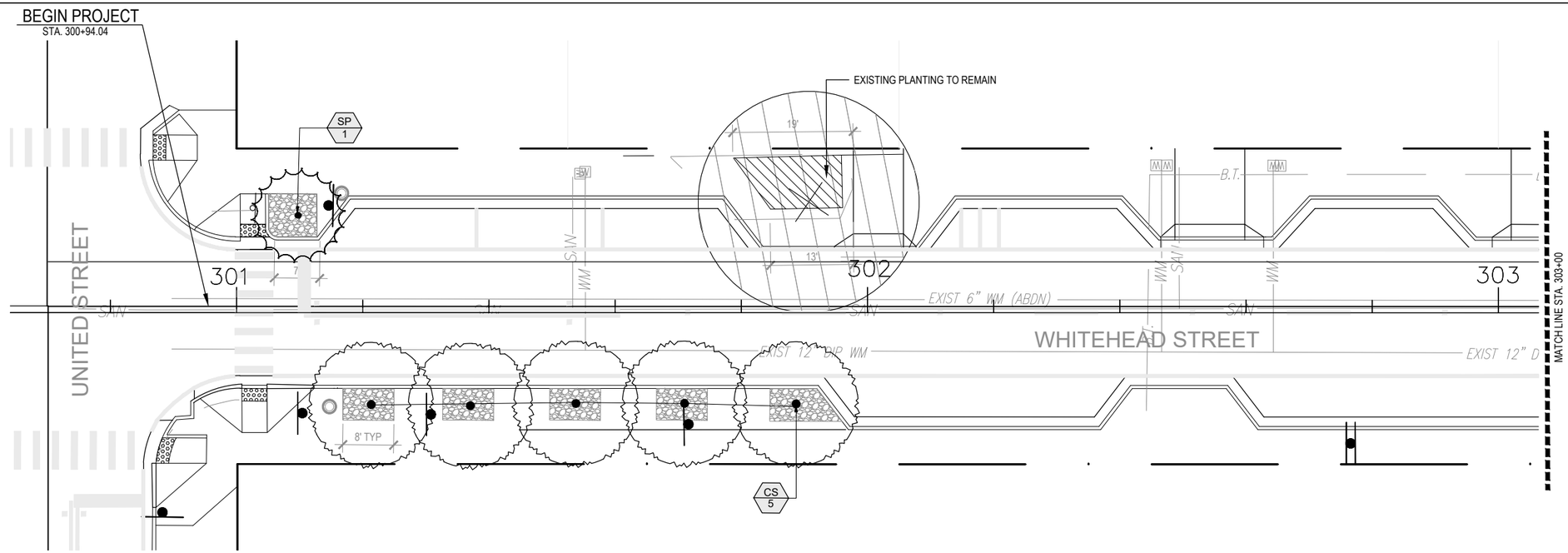

1 PLANTING PLAN

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECS	NATIVE	DROUGHT TOLERANCE	SALT TOLERANCE	
TREES									
	CE	9	Conocarpus erectus	Green Buttonwood	20' Ht. Min., 9' Spr. Min., 6" Cal. Min., STND	Yes	High	High	
	CS	17	Conocarpus erectus sericeus	Silver Buttonwood	12' Ht. Min., 4' CT Min., 4' Spr. Min., 3 1/2" Cal. Min., STD	Yes	High	High	
PALM TREES									
	PD	3	Phoenix dactylifera 'Medjool'	Medjool Date Palm	12' CT Min., diamond cut	No	High	High	
	SP	1	Sabal palmetto	Cabbage Palm	12' CT Min., MATCHED	Yes	High	High	
	TR	5	Thrinax radiata	Florida Thatch Palm	8' CT Min., Matched	Yes	High	High	
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE	DROUGHT TOLERANCE	SALT TOLERANCE	SPACING
GROUND COVERS									
	ERN	48	Ernodea littoralis	Golden Creeper	18" Ht. Min., 12" Spr. Min.	Yes	High	High	18" o.c.
	HYM	24	Hymenocallis latifolia	Spider Lily	18" Ht. Min., 12" Spr. Min., 18" OC	Yes	High	High	24" o.c.

* All plant material shall meet or exceed Florida #1 Standards, accordong to the latest version of FLorida Grades & Standards.
* Specifications noted are minimum standards, all plant material shall meet or exceed ALL specifications. Trees must meet the minimum DBH specified. Shrubs must meet the minimum height specified.
* Contractor shall inspect all rootballs prior to installation. If any circling roots are found they shall follow the corrective actions shown in the details on these drawings. If the roots cannot be corrected the plant will be rejected.
* No substitutions of plant material shall be allowed without prior written authorization from the Landscape Architect.

0 10 20 FEET
GRAPHIC SCALE
(22X34) 1" = 10'
(11X17) 1" = 20'

PLOT DATE: 1/9/2026 10:34 AM
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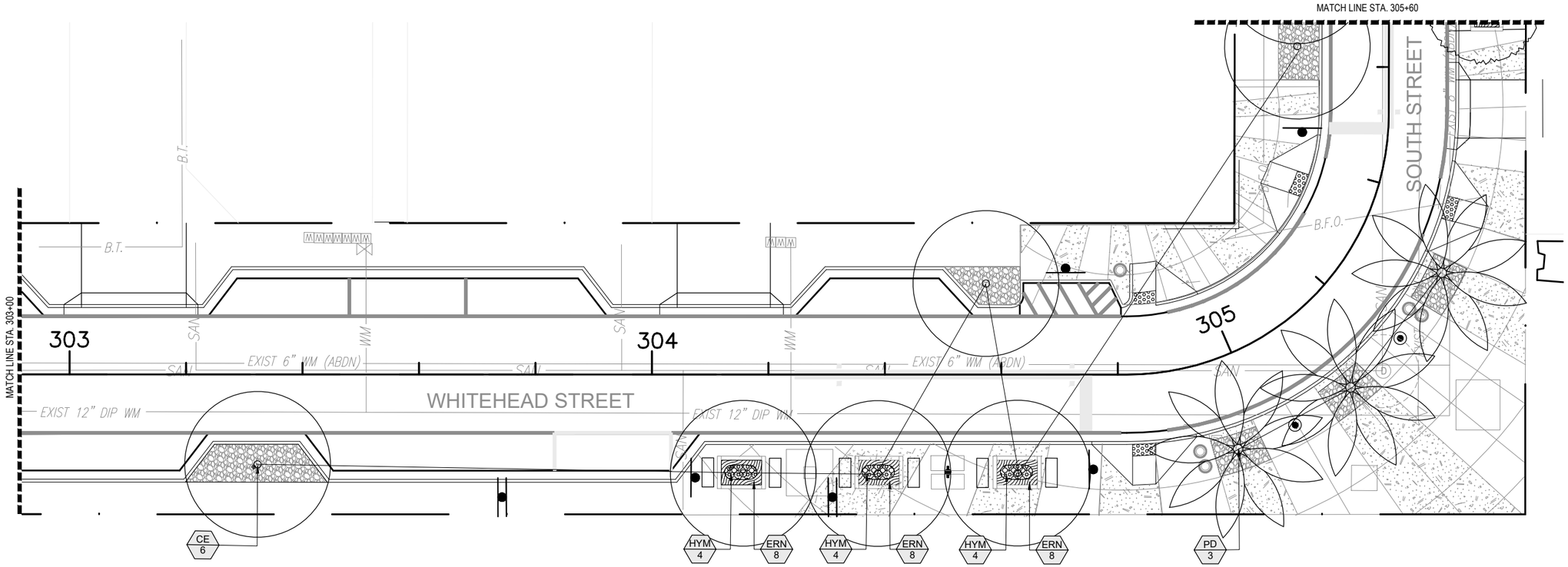
CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLANTING PLAN

SHEET NO. L-8

PLOT DATE: 11/21/2025 4:46 PM

CITY OF KEY WEST PUBLIC WORKS DEPARTMENT
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST
PROJECT NO. IS19002401, TO #1 SHEET 68 OF 77



1 PLANTING PLAN

0 10 20 FEET

GRAPHIC SCALE
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(11X17) 1" = 20'

REVISIONS					
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CITY OF KEY WEST ENGINEERING DEPARTMENT		
PROJECT NAME	PROJECT NO.	PLANTING PLAN
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401	SHEET NO. L-9

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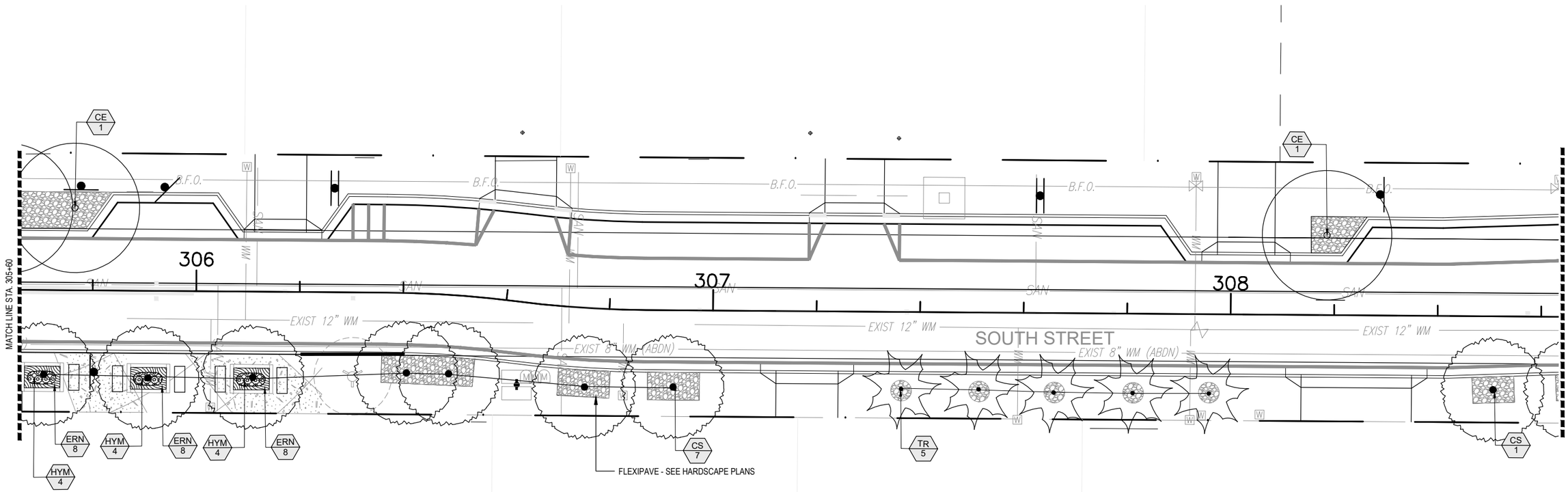
CITY OF KEY WEST PUBLIC WORKS DEPARTMENT
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT
CITY OF KEY WEST
PROJECT NO. IS19002401, TO #1 SHEET 69 OF 77



1 PLANTING PLAN

0 10 20 FEET

GRAPHIC SCALE
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(11X17) 1" = 20'

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REVISIONS					
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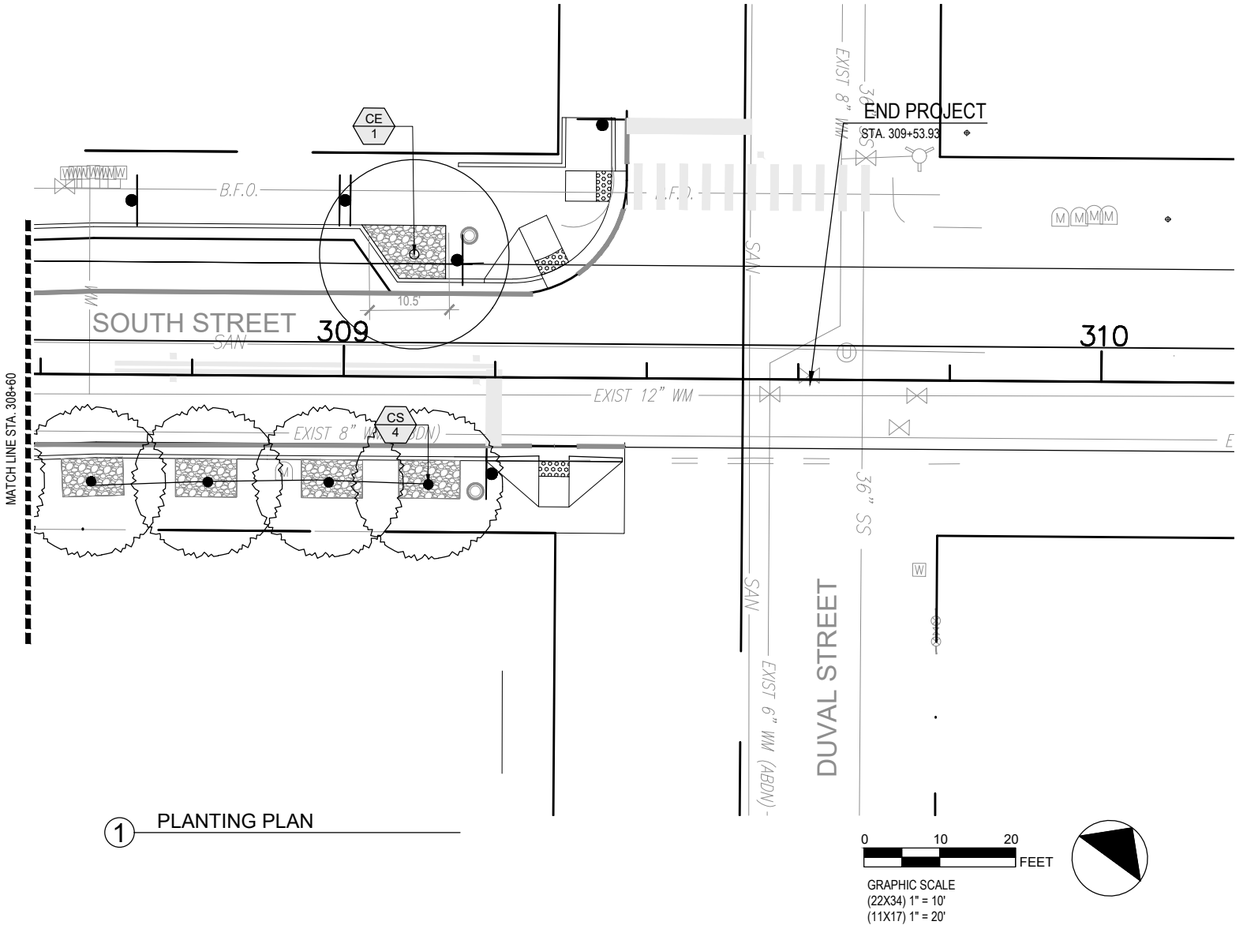
CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLANTING PLAN

SHEET NO. L-10



1 PLANTING PLAN

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CURTIS + ROGERS DESIGN STUDIO INC

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

PLANTING PLAN

SHEET NO. L-11

PLOT DATE: 11/21/2025 4:47 PM

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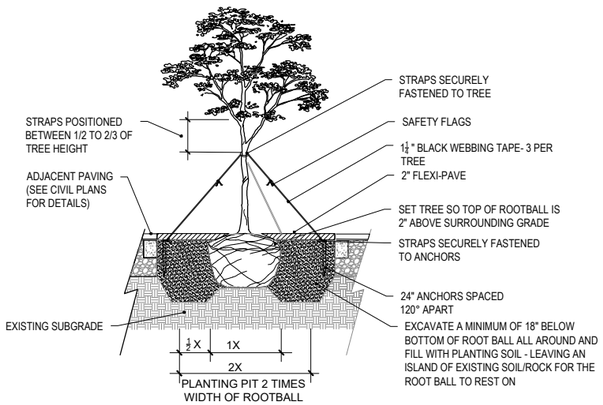
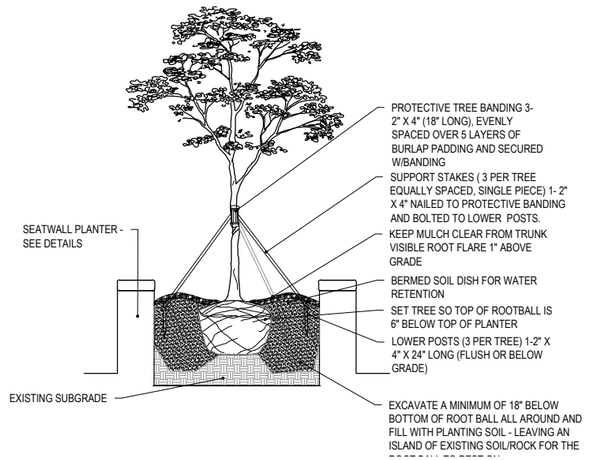


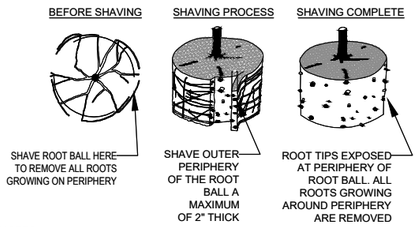
1 SMALL TREE/PALM IN FLEXIPAVE PLANTER DETAIL

SCALE: 1/4" = 1'-0"



2 LARGE TREE IN RAISED PLANTER DETAIL

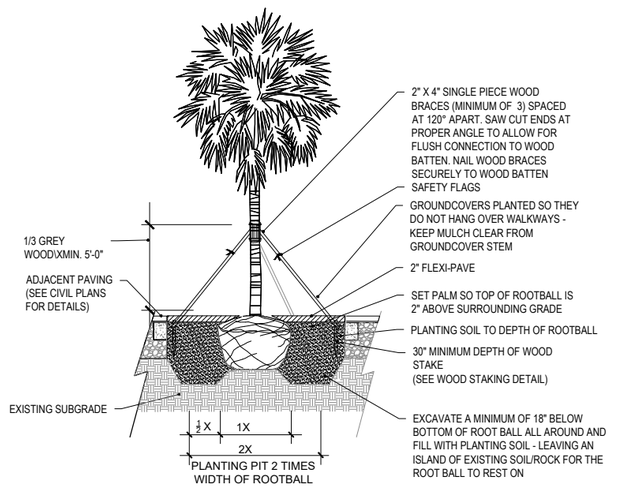
SCALE: 1/4" = 1'-0"



NOTES:
1- SHAVING TO BE CONDUCTED USING A SHARP BLADE OR HAND SAW ELIMINATING NO MORE THAN NEEDED TO REMOVE ALL ROOTS ON THE PERIPHERY OF ROOT BALL.
2- SHAVING CAN BE PERFORMED JUST PRIOR TO PLANTING OR AFTER PLACING IN THE HOLE.

3 ROOT BALL SHAVING CONTAINER DETAIL

NTS



4 LARGE TREE/PALM IN AT-GRADE PLANTER DETAIL

SCALE: 1/4" = 1'-0"

PLOT DATE: 11/21/2025 4:48 PM
FILE LOCATION: G:\PROJECT FILES\SOUTHERNMOST POINT PLAZA\00_DRAWINGS\00_C+R\02_CAD\01_BASES\SMP_BASE_PL.DWG
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CITY OF KEY WEST ENGINEERING DEPARTMENT		PLANTING DETAILS	SHEET NO.
PROJECT NAME	PROJECT NO.		L-12
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401		

GENERAL STRUCTURAL NOTES

A. REFERENCES
1. FLORIDA BUILDING CODE 2017, 6TH EDITION
2. ASCE 7-2010

B. GENERAL

1. THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS ON THE STRUCTURAL DRAWINGS AND VERIFY SAME ON THE ENGINEERING SET. ENGINEERING DETAILS SUCH AS; SLAB DEPRESSIONS, WATERPROOFING, CURBS, MECHANICAL OPENINGS, FASCIA FRAMING AND BRACING SHALL BE INSTALLED AS SHOWN ON THE ENGINEERING SET.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING TO ENSURE SAFE WORKING CONDITIONS AT ALL TIMES. ALL CONSTRUCTION SHALL CONFORM TO THE FLORIDA BUILDING CODE, 2017

C . CONCRETE
1. SHALL BE A MIX DESIGNED IN ACCORDANCE WITH A.C.I. 301 TO ACHIEVE A 28-DAY COMPRESSIVE STRENGTH OF 3,000 P.S.I. AND A MAXIMUM WATER-CEMENT RATIO OF 0.60 BY WEIGHT AND A SLUMP OF 4" UON ON PLAN.

2. ALL CONCRETE SHALL CONTAIN AN ENGINEER-APPROVED ASTM C-494 TYPE 'D' ADMIXTURE (WATER REDUCING RETARDER), AIR ENTRAINED AGENT SHALL CONFORM TO ASTM C-260, ACCEPTABLE AIR ENTRAINING ADMIXTURE: DAREX "AEA" BY W. R. GRACE & CO., OR APPROVED EQUAL.
3. CONCRETE ON EXPOSED BALCONIES, SLABS, BEAMS AND STAIRS SHALL HAVE THE TOP SURFACE COATED WITH "ALKYL-ALKYOXY SILANE SEALER" OR ENGINEER-APPROVED EQUAL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. WATER/CEMENT RATIO IN EXPOSED BALCONIES SHALL BE 0.40 BY WEIGHT. THIS CONCRETE SHALL HAVE A STRENGTH OF 5000 P.S.I.
4. TRANSPORTATION, PLACING AND CURING OF CONCRETE SHALL COMPLY WITH A.C.I. 318 BUILDING CODE
5. ALL CONCRETE STRUCTURAL COMPONENTS SHALL HAVE CONCRETE STRENGTH TESTED IN ACCORDANCE WITH A.S.T.M. STANDARDS, F.B.C. 2017 AND ACI 318 TEST CYLINDERS MUST BE TAKEN EVERY 50 CUBIC YARDS ON CONCRETE PRIOR TO PLACEMENT. TESTING LAB SHALL PROVIDE COPIES OF CONCRETE TEST RESULTS TO ENGINEER'S OFFICE FOR REVIEW.
6. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO ENGINEERS OFFICE FOR REVIEW.
7. CONTRACTOR SHALL CHECK ALL DRAWINGS AND APPLICABLE MANUFACTURER'S SHOP DRAWINGS FOR LOCATION OF ALL EMBEDDED ITEMS, SUCH AS PIPE SLEEVES, ANCHOR BOLTS, ETC. PRIOR TO PLACING CONCRETE.
8. UNLESS OTHERWISE NOTED ON PLANS, MINIMUM CONCRETE COVER TO REINFORCING STEEL SHALL BE MAINTAINED IN ACCORDANCE WITH CHAPTER 7, SECTIONS 7.7.1, 7.7.2 & 7.7.3 OF ACI 318. SPECIFIC CONCRETE COVERS ARE GIVEN IN THE FOLLOWING:

GRADE BEAMS:	BOTT. = 3" CLEAR
	TOP = 2" CLEAR TO TIES
	SIDE = 2" CLEAR TO TIES
SLAB ON GRADE:	BOTT. = 2" CLEAR WHEN POURED ON 6" MIL VAPOR BARRIER
	TOP = 1 1/2" CLEAR
1ST AND 2ND FLOOR SLAB: (INTERIOR, PROTECTED)	BOTT. = 3/4" CLEAR
	TOP = 3/4" CLEAR
(EXTERIOR , UNPROTECTED)	BOTT. = 1" CLEAR
	TOP = 1 1/2" CLEAR
COLUMNS & BEAMS:	AS SHOWN ON DETAILS

9. CONC. DESIGN MIX SHALL BE REVIEWED & APPROVED BY ENGINEER OF RECORD PRIOR PLACING ANY DESIGN MIX.

D. REINFORCING STEEL
1. SHALL BE DEFORMED BARS, FREE FROM LOOSE RUST AND SCALE, & CONFORM TO A.S.T.M. A615 GRADE 60.
2. ALL ACCESSORIES SHALL HAVE UPTURNED LEGS, AND BE PLASTIC DIPPED AFTER FABRICATION. ACCESSORIES FOR REINFORCING SHALL BE INSTALLED IN ACCORDANCE WITH A.C.I. 315 .
3. SUPPORT BARS SHALL BE #5 OR GREATER AND NOT SPACED MORE THAN 4'-0" O.C. SUPPORT BARS AND ENDS OF MAIN REINFORCING SHALL NOT EXTEND MORE THAN 1'-8" PAST OUTERMOST CHAIR OR SUPPORT
4. A MINIMUM OF 3 SUPPORT BARS AND 3 INDIVIDUAL HIGH CHAIRS FOR EACH SUPPORT BAR SHALL BE PROVIDED FOR TOP REINFORCING.
5. ALL PLACEMENT OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE OF THE CONCRETE REINFORCING STEEL INSTITUTE.
6. PLASTIC TIPPED COLUMN SPACERS SHALL BE PROVIDED FOR VERTICAL COLUMN REINFORCING STEEL, SUCH THAT A 2" MINIMUM CLEARANCE IS MAINTAINED.

REVISIONS					
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CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

HARDSCAPE NOTES

SHEET NO. H-1

PLOT DATE: 11/21/2025 4:39 PM
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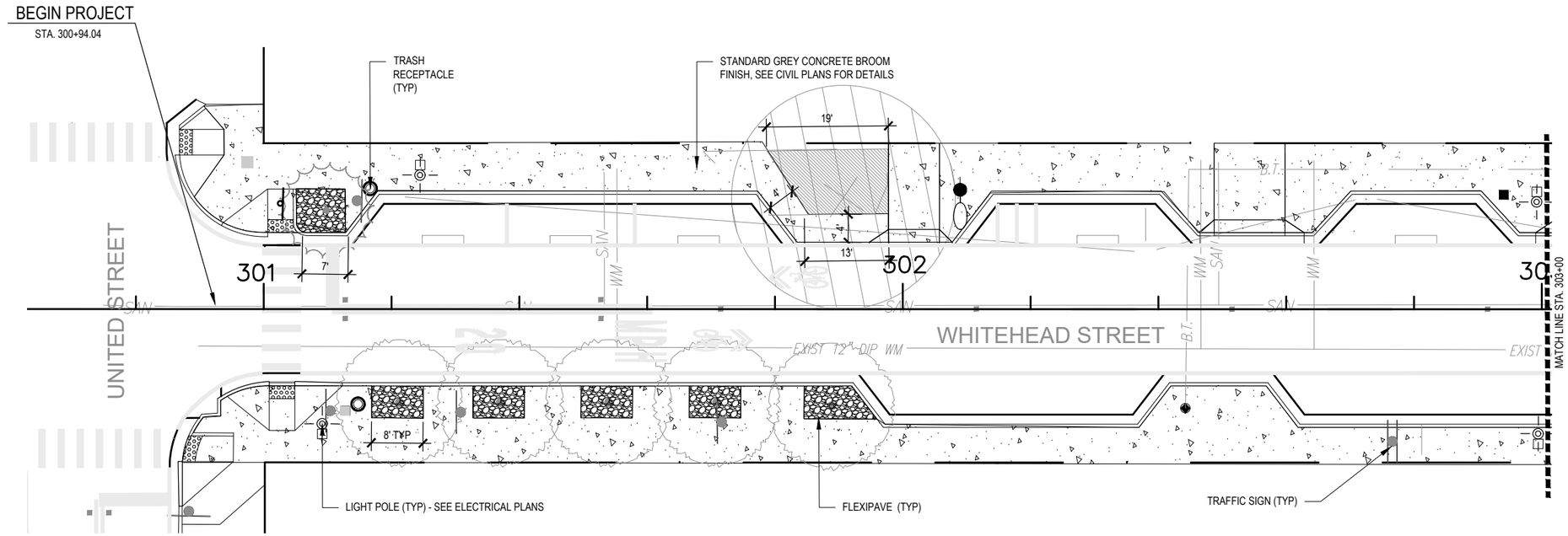

1 HARDSCAPE PLAN

NOTE:ALL VERTICAL ELEMENTS, INCLUDING SIGNAGE, SHALL BE PLACED WITH A MINIMUM OF 9" BETWEEN; FOLLOWING ADA GUIDELINES TO AVOID ENTRAPMENT.

LEGEND
- REMOVABLE BOLLARD
- TRASH RECEPTACLE
- BIKE RACK
- FLEXIPAVE
- LIGHT POLE
- PROPOSED TREE
- PROPOSED PALM
- TREE TO REMAIN

0 10 20 FEET

GRAPHIC SCALE
(22X34) 1" = 10'
(11X17) 1" = 20'

FURNISHINGS SCHEDULE

SYMBOL	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL	COLOR	DETAIL #
	3	Removable Bollard	Reliance Foundry	R-7539 w/Removable Mounting	Powder Coated Iron	Black	1
	9	Trash Receptacle	Victor Stanley	SD-42	Powder Coated Steel	Black	6
	2	Bike Rack Bollard	Reliance Foundry	R-7539-B	Powder Coated Steel	Black	3
	11	Concrete Bench	Belson Outdoors	NB60	Concrete	TBD	2

HARDSCAPE SCHEDULE

SYMBOL	DESCRIPTION	FINISH	COLOR (DAVIS COLORS)
	Standard Grey Concrete	Rock Salt Finish	N/A
	Standard Grey Concrete	Broom Finish	N/A
	Flexipave	N/A	Bark Brown

NOTE: ALL AMENITIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, AND SHALL COMPLY WITH ALL LOCAL ORDINANCES AND NOT INTERFERE WITH ADA ACCESSIBILITY.

NOTE: CONCRETE BENCHES: CONTRACTOR SHALL PROVIDE SAMPLES FOR COLOR AND FINISH SELECTION AFTER AWARD

NOTE: ROCK SALT FINISH: ROCK SALT SHALL BE SPREAD ON A TROWELED SURFACE AND PRESSED IN. AFTER CONCRETE HARDENS, SALT IS TO BE WASHED AWAY PROTECTING SURROUNDING PLANTING, FIXTURES, ETC..

REVISIONS					
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CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

HARDSCAPE PLAN

SHEET NO. H-2

PLOT DATE: 11/21/2025 4:35 PM
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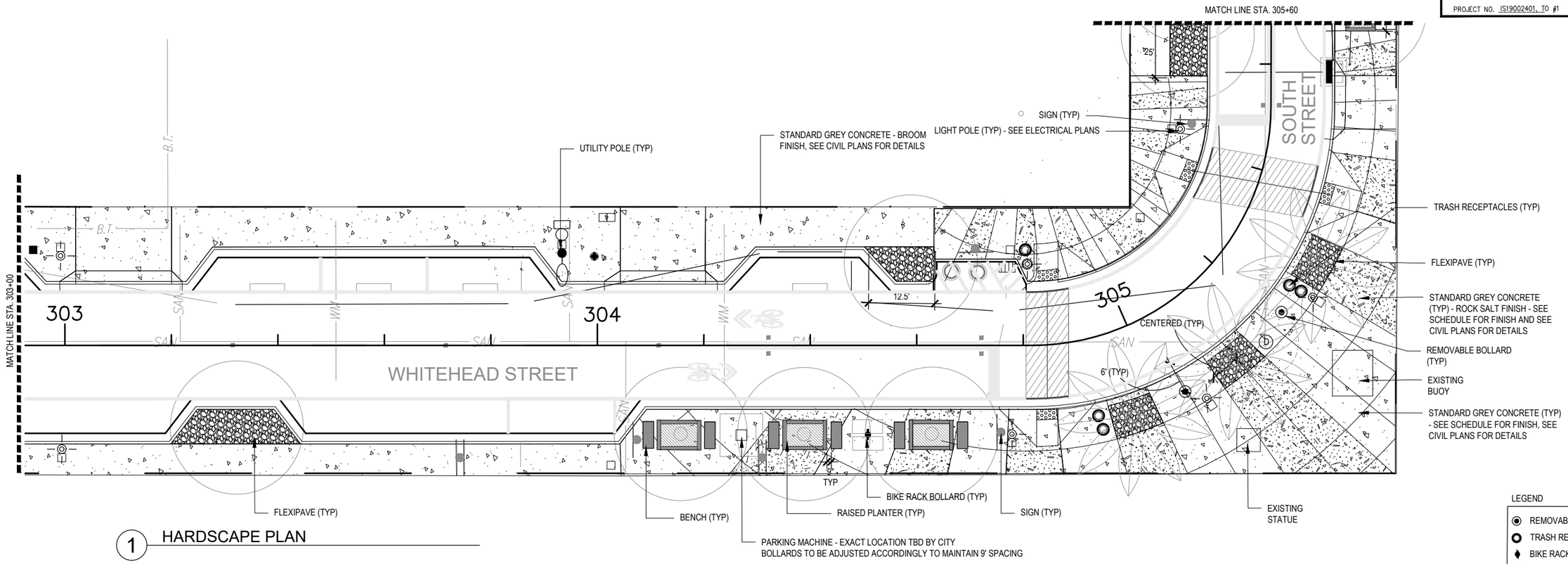

1 HARDSCAPE PLAN

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0 10 20 FEET

GRAPHIC SCALE
(22X34) 1" = 10'
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LEGEND
- REMOVABLE BOLLARD
- TRASH RECEPTACLE
- BIKE RACK
- FLEXIPAVE
- LIGHT POLE
- PROPOSED TREE
- PROPOSED PALM
- TREE TO REMAIN

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

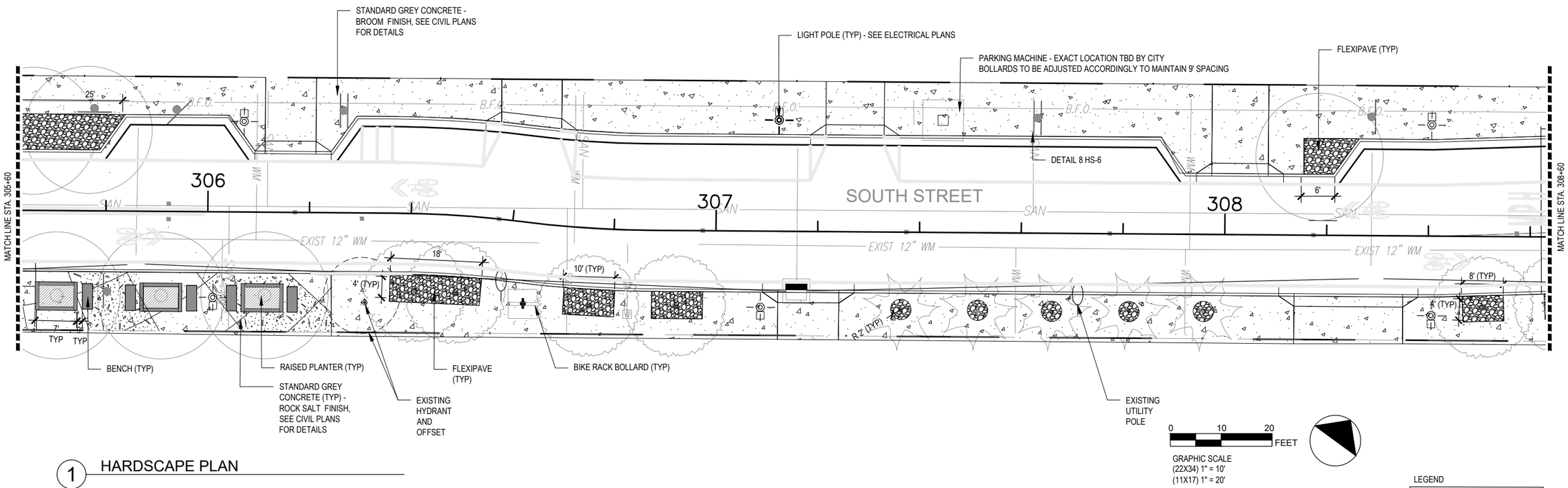
CURTIS + ROGERS DESIGN STUDIO INC
Jennifer J. Rogers-Pomaville
RLA FL #6667093
7520 S. Red Road, Suite M
South Miami, Florida 33143
Phone: (305) 442-1774

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

HARDSCAPE PLAN

SHEET NO. H-3

PLOT DATE: 11/21/2025 4:36 PM
FILE LOCATION: G:\PROJECT FILES\SOUTHERNMOST POINT PLAZA\00_DRAWINGS\00_C+R\02_CAD\01_BASES\SMP_BASE_HV3.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



1 HARDSCAPE PLAN

NOTE:ALL VERTICAL ELEMENTS, INCLUDING SIGNAGE, SHALL BE PLACED WITH A MINIMUM OF 9" BETWEEN; FOLLOWING ADA GUIDELINES TO AVOID ENTRAPMENT.

NOTE: ALL AMENITIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, AND SHALL COMPLY WITH ALL LOCAL ORDINANCES AND NOT INTERFERE WITH ADA ACCESSIBILITY.

NOTE: CONCRETE BENCHES: CONTRACTOR SHALL PROVIDE SAMPLES FOR COLOR AND FINISH SELECTION AFTER AWARD

NOTE: ROCK SALT FINISH: ROCK SALT SHALL BE SPREAD ON A TROWELED SURFACE AND PRESSED IN. AFTER CONCRETE HARDENS, SALT IS TO BE WASHED AWAY PROTECTING SURROUNDING PLANTING, FIXTURES, ETC..

LEGEND

- REMOVABLE BOLLARD
- TRASH RECEPTACLE
- BIKE RACK
- FLEXIPAVE
- LIGHT POLE
- PROPOSED TREE
- PROPOSED PALM
- TREE TO REMAIN

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

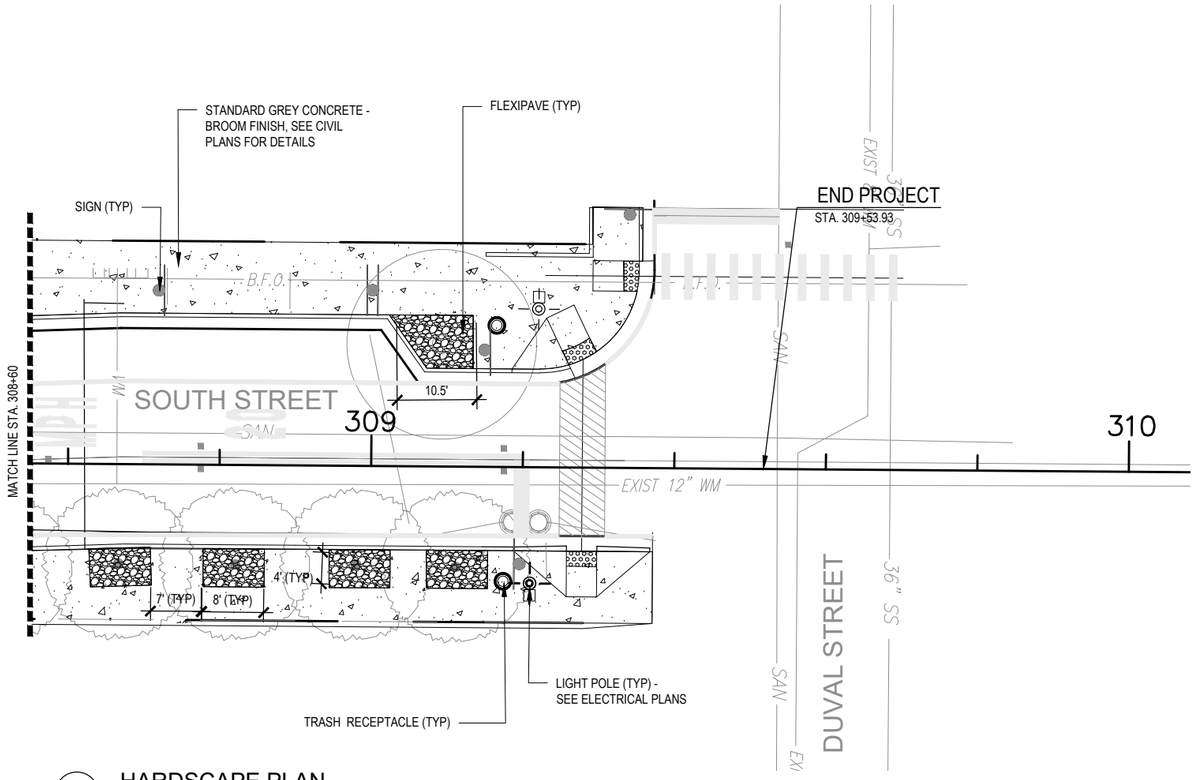
CURTIS + ROGERS DESIGN STUDIO INC
Jennifer J. Rogers-Pomaville
RLA FL #6667093
7520 S. Red Road, Suite M
South Miami, Florida 33143
Phone: (305) 442-1774

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

HARDSCAPE PLAN

SHEET NO. H-4

PLOT DATE: 11/21/2025 4:36 PM
FILE LOCATION: G:\PROJECT FILES\SOUTHERNMOST POINT PLAZA\00_DRAWINGS\00_C+R\02_CAD\01_BASES\SMP_BASE_HV3.DWG
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



1 HARDSCAPE PLAN

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CURTIS + ROGERS DESIGN STUDIO INC
Jennifer J. Rogers-Pomaville
RLA FL #6667093
7520 S. Red Road, Suite M
South Miami, Florida 33143
Phone: (305) 442-1774

CITY OF KEY WEST ENGINEERING DEPARTMENT	
PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

HARDSCAPE PLAN & DETAILS

SHEET NO. H-5

PLOT DATE: 11/21/2025 4:36 PM
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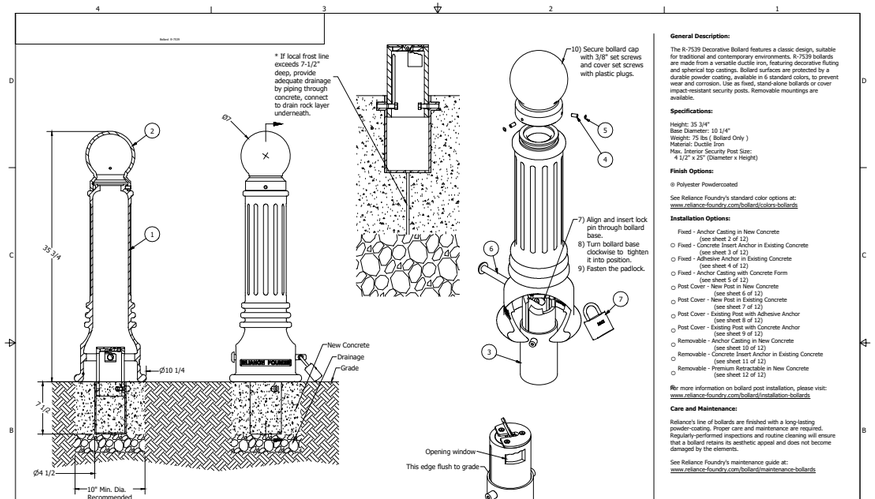
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PLOT DATE: 11/21/2025 4:37 PM



General Description:

The R-7539 Decorative Bollard features a classic design, suitable for traditional and contemporary environments. R-7539 bollards are made from a versatile ductile iron, featuring decorative fluting and spherical top castings. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts. Removable mountings are available.

Specifications:

Height: 35 3/4"
Base Diameter: 10 1/4"
Weight: 75 lbs (Bollard Only)
Material: Ductile Iron
Max. Interior Security Post Size:
4 1/2" x 25" (Diameter x Height)

Finish Options:

◎ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

- Fixed - Anchor Casting in New Concrete (see sheet 2 of 12)
- ○ Fixed - Concrete Insert Anchor in Existing Concrete (see sheet 3 of 12)
- ○ Fixed - Adhesive Anchor in Existing Concrete (see sheet 4 of 12)
- ○ Fixed - Anchor Casting with Concrete Form (see sheet 5 of 12)
- ○ Post Cover - New Post in New Concrete (see sheet 6 of 12)
- ○ Post Cover - New Post in Existing Concrete (see sheet 7 of 12)
- ○ Post Cover - Existing Post with Adhesive Anchor (see sheet 8 of 12)
- ○ Post Cover - Existing Post with Concrete Anchor (see sheet 9 of 12)
- ○ Removable - Anchor Casting in New Concrete (see sheet 10 of 12)
- ○ Removable - Concrete Insert Anchor in Existing Concrete (see sheet 11 of 12)
- ○ Removable - Premium Retractable in New Concrete (see sheet 12 of 12)

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Care and Maintenance:

Reliance's line of bollards are finished with a long-lasting powder-coating. Proper care and maintenance are required. Regularly-performed inspections and routine cleaning will ensure that a bollard retains its aesthetic appeal and does not become damaged by the elements.

See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
3) Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
4) Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

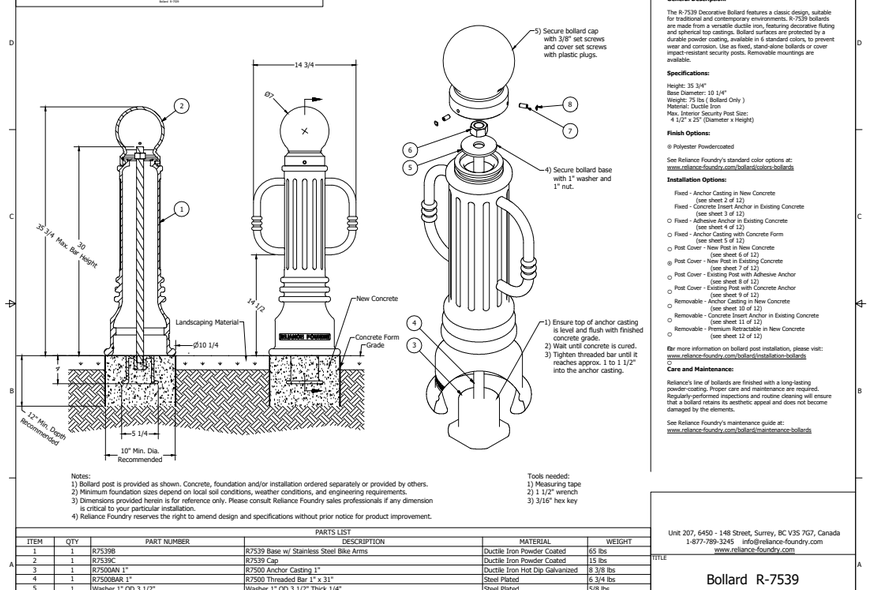
PARTS LIST					
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7539B	R7539 Base	Ductile Iron Powder Coated	60 lbs
2	1	R7539C	R7539 Cap	Ductile Iron Powder Coated	15 lbs
3	1	R7000	R7000 Retractable Removable Mount w/ Spacer L	Steel Hot Dip Galvanized	17 1/2 lbs
4	3	Hexagon Socket Set Screw 3/8" x 3/4"	Hexagon Socket Set Screw 3/8" x 3/4" - requires 3/16" hex key	Stainless Steel	
5	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	
6	1	R7500 Lock Pin 3/4" x 10"	R7500 Lock Pin 3/4" x 10"	Steel Powder Coated	1 1/2 lbs
7	1	Padlock (Optional)	Optional Padlock (Brass or Stainless Steel)	Choice of Brass or Stainless Steel	5/8 lbs

Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada
1-877-789-3245 info@reliance-foundry.com
www.reliance-foundry.com

TITLE: Bollard R-7539
SIZE: Sheet_Size | DWG NO: PART_NUMBER | REV: REVISION_NUMBER
NOT TO SCALE

1 BOLLARD - REMOVABLE

CONCRETE FOUNDATIONS SHALL BE 3000PSI @28 DMS



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Specifications:

Height: 35 3/4"
Base Diameter: 10 1/4"
Weight: 75 lbs (Bollard Only)
Material: Ductile Iron
Max. Interior Security Post Size:
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- ○ Fixed - Adhesive Anchor in Existing Concrete (see sheet 4 of 12)
- ○ Fixed - Anchor Casting with Concrete Form (see sheet 5 of 12)
- ○ Post Cover - New Post in New Concrete (see sheet 6 of 12)
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For more information on bollard post installation, please visit:
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or

Care and Maintenance:

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www.reliance-foundry.com/bollard/maintenance-bollards

Notes:
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4) Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

PARTS LIST					
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7539B	R7539 Base w/ Stainless Steel Bike Arms	Ductile Iron Powder Coated	65 lbs
2	1	R7539C	R7539 Cap	Ductile Iron Powder Coated	15 lbs
3	1	R7500AN 1"	R7500 Anchor Casting 1"	Ductile Iron Hot Dip Galvanized	8 3/8 lbs
4	1	R7500BAR 1"	R7500 Threaded Bar 1" x 31"	Steel Plated	6 3/4 lbs
5	1	Washer 1" OD 3 1/2"	Washer 1" OD 3 1/2" Thick 1/4"	Steel Plated	5/8 lbs
6	1	Hex Nut 1"	Hex Nut 1" - requires 1 1/2" wrench	Steel Plated	1/4 lbs
7	3	Hexagon Socket Set Screw 3/8" x 3/4"	Hexagon Socket Set Screw 3/8" x 3/4" - requires 3/16" hex key	Stainless Steel	
8	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

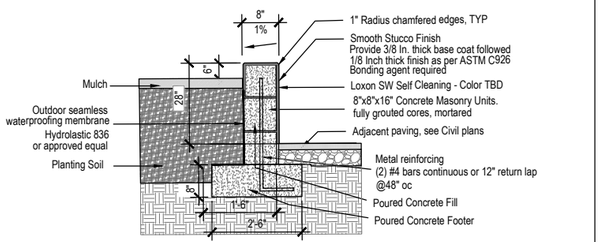
Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada
1-877-789-3245 info@reliance-foundry.com
www.reliance-foundry.com

TITLE: Bollard R-7539
SIZE: Sheet_Size | DWG NO: PART_NUMBER | REV: REVISION_NUMBER
NOT TO SCALE

3 BIKE RACK BOLLARD

CONCRETE FOUNDATIONS SHALL BE 3000PSI @28 DMS

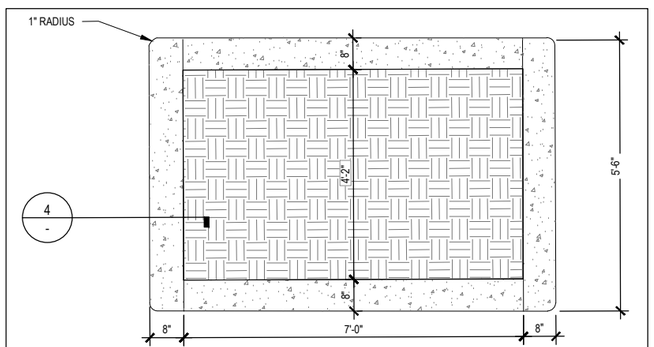
2 BENCH



4 RAISED PLANTER - SECTION

Scale: NTS

WALL CONCRETE:5000 PSI@28 DMS
FOUNDATION CONCRETE: 3000 PSI@28 DMS



5 RAISED PLANTER - PLAN

Scale:NTS

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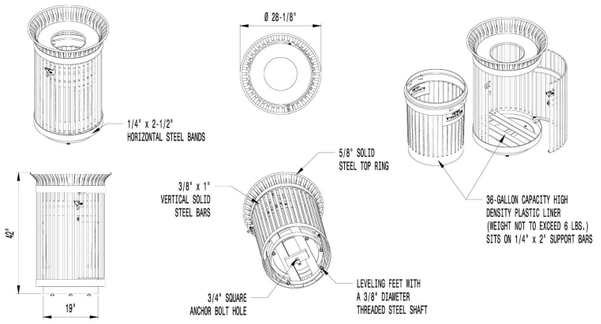
TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

* ALL DIMENSIONS ARE IN INCHES *



AVAILABLE OPTIONS:

POWDER COATING
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)

SECURITY
STANDARD WITH LOCKABLE LATCH (AS SHOWN). AVAILABLE WITH OPTIONAL KEYED LOCK BOX. LID BOLTED IN PLACE. AVAILABLE WITH OPTIONAL MOUNT PLATE WITH 3 IN-LINE ANCHOR HOLES AND OPTIONAL BOTTOM PLATE COVER.

LIDS
STANDARD TAPERED FORMED LID (AS SHOWN). AVAILABLE WITH OPTIONAL DOME LID, DOME LID WITH STAINLESS STEEL ASHTRAY, CONVEX LID, CONVEX LID WITH SELF-CLOSING DOOR, RAIN BONNET LID, RAIN BONNET LID WITH STAINLESS STEEL ASHTRAY, SPHERICAL DOME LID, SPHERICAL DOME WITH DOOR, ENCLOSED DOME LID, ENCLOSED DOME LID WITH STAINLESS STEEL ASHTRAY, RECYCLE LIDS, AND DUAL FLOW LIDS. ASHTRAYS AVAILABLE WITH OPTIONAL ASHTRAY COVER.

CUSTOM PLAQUES & DECALS
AVAILABLE WITH STEEL PLAQUES IN VARIOUS SIZES AND PRESSURE SENSITIVE VINYL OUTDOOR DECALS.

NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOVEMENT, STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL STAINLESS STEEL KEYED LOCK ASSEMBLY.
4. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
5. VICTOR STANLEY, INC., PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH WATERTALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
6. ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
7. FOR HIGH SALT ABUSTIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
8. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
9. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

SD-42
IRONSITES®

36-GALLON SIDE-DOOR-OPENING LITTER RECEPTACLE
SHOWN: STANDARD TAPERED FORMED LID
STANDARD LOCKABLE LATCH

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REV. 8/31/21 DRAWN V.F.T. 2021-539

6 TRASH RECEPTACLE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CURTIS • ROGERS DESIGN STUDIO INC

Jennifer J. Rogers-Pomaville
RLA FL #6667093
7520 S. Red Road, Suite M
South Miami, Florida 33143
Phone: (305) 442-1774

CITY OF KEY WEST ENGINEERING DEPARTMENT

PROJECT NAME	PROJECT NO.
SOUTHERNMOST POINT PLAZA STREETSCAPE PROJECT, CITY OF KEY WEST	IS19002401

FURNISHINGS DETAILS

SHEET NO. H-6

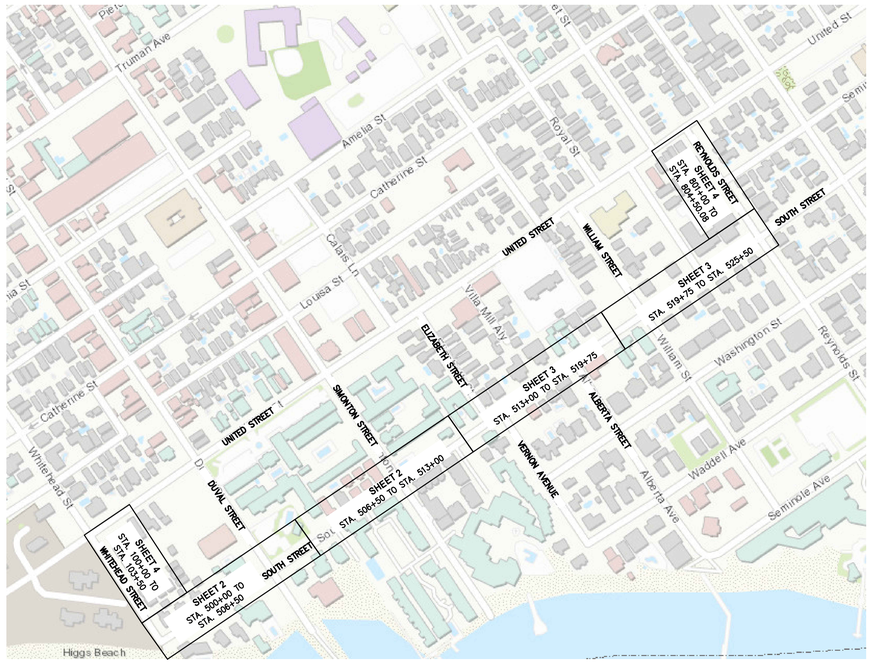
FILE LOCATION: G:\PROJECT FILES\SOUTHERNMOST POINT PLAZA\00_DRAWINGS\00_C+R\02_CAD\01_BASES\SMP_BASE_HV3.DWG

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

TOPOGRAPHIC ROUTE SURVEY OF:

PORTION OF SOUTH STREET, WHITEHEAD STREET & REYNOLDS STREET

SECTION 05-68S-25E & SECTION 06-68S-25E, CITY OF KEY WEST, MONROE COUNTY, FLORIDA



SOUTH STREET KEY SHEETS

NOT TO SCALE

BENCH MARK LIST

BENCHMARK NO.	NORTHING (NAD83)	EASTING (NAD83)	ELEVATION (NGVD29)	DESCRIPTION
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1001	79982.07	392880.63	9.46	Set Nail & Disk "Avirom GPS"
1002	79965.26	392811.99	9.49	Set Nail & Disk "Avirom GPS"
1003	79910.83	392952.22	8.76	Set Nail & Disk "Avirom GPS"
1004	79834.46	393011.36	7.53	Set Nail & Disk "Avirom GPS"
1005	79710.49	393065.04	6.20	Set Nail & Disk "Avirom GPS"
1006	79630.34	393109.13	5.52	Set Nail & Disk "Avirom GPS"
1007	79628.56	393154.53	5.69	Set Nail & Disk "Avirom GPS"
1008	79674.07	393177.19	5.87	Set Nail & Disk "Avirom GPS"
1009	78628.66	390808.21	3.55	Set Nail & Disk "Avirom GPS"
1011	78495.89	390924.50	3.70	Set Nail & Disk "Avirom GPS"
1012	78411.17	390959.48	3.96	Set Nail & Disk "Avirom GPS"
1013	79581.52	393036.08	5.65	Set Nail & Disk "Avirom GPS"
1014	79509.31	392938.29	6.00	Set Nail & Disk "Avirom GPS"
1015	79474.83	392889.10	6.06	Set Nail & Disk "Avirom GPS"
1016	79412.80	392798.02	6.26	Set Nail & Disk "Avirom GPS"
1017	79369.01	392735.02	6.41	Set Nail & Disk "Avirom GPS"
1018	79312.44	392675.17	6.32	Set Nail & Disk "Avirom GPS"
1019	79273.70	392592.64	6.48	Set Nail & Disk "Avirom GPS"
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1022	79121.62	392362.52	6.24	Set Nail & Disk "Avirom GPS"
1023	79066.34	392309.01	6.29	Set Nail & Disk "Avirom GPS"
1024	79037.81	392274.66	6.03	Set Nail & Disk "Avirom GPS"
1025	78348.87	391007.88	3.75	Set Nail & Disk "Avirom GPS"
1026	78303.53	391055.30	3.29	Set Nail & Disk "Avirom GPS"
1027	78249.20	391084.46	4.38	Set Nail & Disk "Avirom GPS"
1028	78283.50	391138.31	3.71	Set Nail & Disk "Avirom GPS"
1029	78342.02	391224.83	3.65	Set Nail & Disk "Avirom GPS"
1030	78415.77	391332.11	3.79	Set Nail & Disk "Avirom GPS"
1031	78475.07	391421.92	3.57	Set Nail & Disk "Avirom GPS"
1032	78505.82	391468.12	3.43	Set Nail & Disk "Avirom GPS"
1033	78578.27	391579.68	4.12	Set Nail & Disk "Avirom GPS"
1034	78626.77	391645.36	4.84	Set Nail & Disk "Avirom GPS"
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1041	78794.38	391877.34	5.65	Set Nail & Disk "Avirom GPS"
1042	78861.93	391979.07	5.87	Set Nail & Disk "Avirom GPS"
1043	79011.60	392198.69	6.29	Set Nail & Disk "Avirom GPS"

LEGEND

- BACK FLOW PREVENTOR VALVE
- BENCHMARK
- BOLLARD (UNLESS NOTED)
- CATCH BASIN
- CLEAN OUT
- CONCRETE UTILITY POLE
- CONCRETE UTILITY POLE WITH LIGHT
- CURB INLET
- DRAINAGE MANHOLE
- ELECTRIC SERVICE BOX
- EXISTING ELEVATION (ELEV. 0.00)
- EXISTING ELEVATION (• 0.00)
- FIRE HYDRANT
- FLAG POLE
- GUY ANCHOR
- HANDICAP PARKING
- LANDSCAPE LIGHT (SPOT LIGHT)
- PAPER STAND
- METAL LIGHT POLE
- OVERHEAD WIRES
- PARKING METER
- SANITARY MANHOLE
- SEWER VALVE
- SIGN (UNLESS NOTED)
- SIGN (UNLESS NOTED)
- TELEPHONE MANHOLE
- TRAFFIC LIGHT SUPPORT POLE
- TRAFFIC SIGNAL CONTROL RISER
- UNKNOWN UTILITY RISER
- UNKNOWN UTILITY SERVICE BOX
- VAULT
- WATER METER
- WATER VALVE
- WOOD UTILITY POLE
- WOOD UTILITY POLE WITH LIGHT
- YARD LIGHT

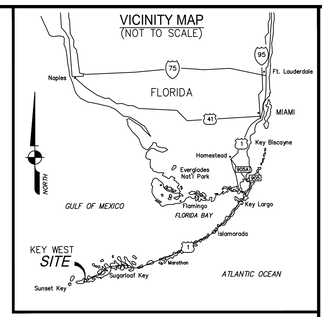
TREE LEGEND

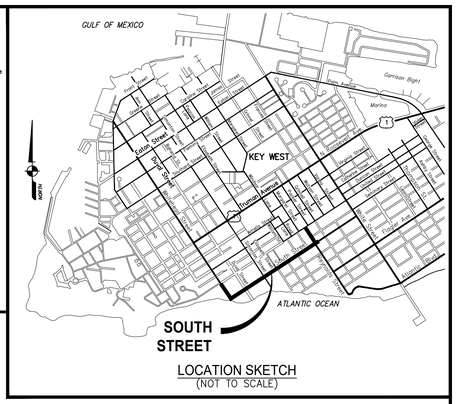
- Oak
- Palm
- Poinciana
- Unknown Species
- 12" Denotes 12" Diameter Trunk (Typical)

UTILITY STRUCTURE INFORMATION

Structure#	Description	Northing (NAD83)	Easting (NAD83)	Rim Elevation (in feet)	Invert Elevation (in feet)	Top of Pipe Elevation (in feet)	Pipe Direction	Pipe Size (in inches)	Bottom Elevation (in feet)	Comments
2030	SANITARY MANHOLE	79960.0	392910.6	9.77	3.24		WEST	8" P.V.C.		
2040	SANITARY MANHOLE	79964.8	392823.6	9.63						INV. NOT ACCESSIBLE; NO INFLOW; PROTECTOR HANDLE
2053	SANITARY MANHOLE	79840.3	393039.6	7.75	3.55		EAST	8" P.V.C.		
2057	SANITARY MANHOLE	79667.1	393185.6	6.12						
2067	SANITARY MANHOLE	79499.8	392937.9	6.24						
2071	CATCH BASIN	79647.0	393105.0	5.44					2.23	INV. NOT ACCESSIBLE
2072	CATCH BASIN	79663.2	393129.6	5.46						INV. NOT ACCESSIBLE; FULL OF DEBRIS
2073	SANITARY MANHOLE	79630.5	393131.3	6.12						
2074	CATCH BASIN	79618.0	393159.8	5.42					1.67	POSSIBLY POLLUTION BOX
2075	DRAINAGE MANHOLE	79601.6	393166.5	5.76	0.60				-1.58	
2076	DRAINAGE MANHOLE	79596.9	393169.5	5.77					-1.54	THERE IS A CONCRETE WEIR STRUCTURE; TOP IS NOT ACCESSIBLE
2077	DRAINAGE MANHOLE	79592.9	393172.2	5.78						DRAINAGE WELL; CAN NOT REACH TO BOTTOM; TOP OF CIRCULAR WIER EL.=3.92'
2078	CATCH BASIN	79595.6	393141.1	5.40						INV. NOT ACCESSIBLE; FULL OF DEBRIS
2133	SANITARY MANHOLE	79363.7	392736.6	6.40						
2139	SANITARY MANHOLE	79348.1	392693.8	6.15						
2153	CATCH BASIN	79258.6	392556.5	5.82					0.72	POSSIBLY A WELL; FULL OF MUD
2169	SANITARY MANHOLE	79207.6	392485.8	6.29						
2175	SANITARY MANHOLE	79153.1	392518.7	6.56						
2209	SANITARY MANHOLE	79002.3	392202.4	6.29						
2210	SANITARY MANHOLE	79011.9	392194.2	6.03						
2280	SANITARY MANHOLE	78795.6	391895.2	5.72						
2281	CATCH BASIN	78762.6	391900.6	4.98	-3.75		EAST		-5.59	
					-3.89		S-SE			
2282	DRAINAGE MANHOLE	78756.1	391908.7	5.18						
2283	DRAINAGE MANHOLE	78752.2	391911.0	5.18						
2284	DRAINAGE MANHOLE	78748.5	391913.5	5.17						
2285	CURB INLET	78778.2	391922.6	5.08	-3.42		WEST	PIPE UNKNOWN	-5.12	
					-2.74		SOUTH	PIPE UNKNOWN		
2306	CURB INLET	78729.6	391774.0	4.83						
2309	CURB INLET	78785.8	391856.7	5.17	-3.05		SOUTHEAST	PIPE UNKNOWN	-5.00	
2311	CATCH BASIN	78827.8	391894.1	5.03	-2.45		SOUTH	PIPE UNKNOWN	-4.27	
2333	CATCH BASIN	78477.2	391449.6	3.09	-1.14		SOUTH	PIPE UNKNOWN	-1.81	
2334	CATCH BASIN	78494.6	391475.2	2.99	-0.40		SOUTH	PIPE UNKNOWN	-1.15	FILLED WITH WATER
2339	SANITARY MANHOLE	78496.9	391453.8	3.40						
2344	CURB INLET	78460.8	391456.8	3.39	-2.85		EAST	PIPE UNKNOWN	-3.82	
					-1.61		NORTH	PIPE UNKNOWN		
2345	CURB INLET	78479.6	391487.7	3.29	-2.79		WEST	PIPE UNKNOWN	-2.88	
					-0.91		NORTH	PIPE UNKNOWN		
2346	DRAINAGE MANHOLE	78475.7	391482.7	3.37						
2354	SANITARY MANHOLE	78386.6	391290.4	3.76						
2359	CATCH BASIN	78285.9	391111.5	2.98						
2388	DRAINAGE MANHOLE	78247.5	391084.5	4.37						
2389	CATCH BASIN	78295.5	391069.1	3.06						
2390	DRAINAGE MANHOLE	78299.4	391065.1	3.09						
2391	DRAINAGE MANHOLE	78303.7	391062.5	3.11						
2392	CATCH BASIN	78281.1	391045.1	3.16						
2409	SANITARY MANHOLE	78428.2	390962.3	3.70						
2426	SANITARY MANHOLE	78611.5	390837.8	3.63	-2.92		EAST	8" P.V.C.		
					-5.17		NORTH	32" P.V.C.		
					-3.18		SOUTH	12" P.V.C.		
2427	SANITARY MANHOLE	78620.7	390832.0	3.63	-5.24		EAST	36" PIPE		
				3.63	-0.81	-0.02	WEST	8" P.V.C.		
				3.63	-5.32	-1.83	NORTH	36" PIPE		
				3.63	-5.12		SOUTH	32" PIPE		
2434	CURB INLET	78628.4	390867.1	3.00	-0.91	0.42	WEST	15" H.D.P.E.	-1.32	
					-0.98		NORTH	H.D.P.E. PIPE		
2435	DRAINAGE MANHOLE	78651.9	390863.1	3.87					-5.13	POLLUTION CONTROL; BAFFLE EL. =2.25'
2436	DRAINAGE MANHOLE	78649.7	390859.9	3.77					-5.24	INV. NOT ACCESSIBLE; FULL OF DEBRIS
2437	DRAINAGE MANHOLE	78647.1	390855.8	3.68					-5.28	INV. NOT ACCESSIBLE; FULL OF DEBRIS
2444	SANITARY MANHOLE	78584.9	390779.6	4.32	-0.65		EAST	12" P.V.C.		
					-0.49		NORTH	8" P.V.C.		
2445	CATCH BASIN	78600.6	390827.2	3.49	-0.78		EAST	15" H.D.P.E.	-1.19	TOP OF PIPE EL.=0.54'
5667	CURB INLET	78518.1	391419.4	3.08						INV. NOT ACCESSIBLE
5703	CURB INLET	78536.6	391447.0	3.06						INV. NOT ACCESSIBLE
10561	CURB INLET	78267.8	391138.7	3.05						INV. NOT ACCESSIBLE

NOTE: SEE SHEET 1 FOR UTILITY STRUCTURE INFORMATION





LOCATION SKETCH
(NOT TO SCALE)

0 20 40
GRAPHIC SCALE IN FEET
1"=20'

NOTE

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929)

SURVEYOR'S REPORT:

1. Reproductions of this Sketch are not valid without the signature and the original seal of a Florida Licensed Surveyor and Mapper. Additions or deletions to this survey map or report by other than the signing party is prohibited without written consent of the signing party.
2. No Title Opinion or Abstract to the subject property has been provided. It is possible that there are Deeds, Easements, or other instruments (recorded or unrecorded) which may affect the subject property. No search of the Public Records has been made by the Surveyor.
3. The sub-surface utilities shown hereon have been located from found reference marks generated by others on the ground. The surveyor makes no guaranties that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated, although he does certify that the reference marks are located accurately. The surveyor has not physically located the underground utilities. The sub-surface utilities were located by an unknown source and is shown for informational purposes only. It is the responsibility of the end user to verify the invert and pipe size dimensions prior to design of new facilities.
4. Pipe size, material and inverts of sewer and drainage structures were obtained where accessible. Due to the nature of obtaining the data where the structures are in use and the actual inverts may be obscured, the information obtained is the best approximation of the true measurements. It is the responsibility of the end user to verify the diameter and material utilizing as-build drawings or other resources prior to construction.
5. Coordinates shown hereon were established by a Real-time Kinematic (RTK) GPS Control Survey which is certified to a 2 centimeter local accuracy and are based on the 2011 Adjustment of the North American Datum of 1983 (NAD 83/2011, Epoch 2010.00), of the Florida State Plane Coordinate System (Transverse Mercator Projection), East Zone.
6. Elevations shown hereon are in feet and based on the National Geodetic Vertical Datum of 1929 (NGVD 1929). To convert NGVD 1929 elevations to North American Vertical Datum of 1988 (NAVD 1988) for this property, the model value of (-) 1.342 must be added algebraically to the NGVD 1929 height. Transformation is derived from the NGS Data sheet for "872 4580 TIDAL 25".
7. Elevations shown hereon are based on the National Geodetic Vertical Datum of 1929 established by a three-wire closed-loop differential leveling run to the following National Geodetic Survey's (NGS) benchmarks: "TIDAL BENCHMARK 872 4580 TIDAL 25", (PID AA 0004) Elevation 5.108 (NGVD 1929) or 3.766 (NAVD 88); "872 4580 TIDAL BASIC", (PID AA 0008) Elevation 14.324 (NGVD 1929) or 12.982 (NAVD 88).
8. Data shown hereon was compiled from instrument(s) of record and does not constitute a boundary survey.
9. Right-of-way lines and lot lines are graphically delineated from information obtained by this firm from recorded plats and/ or right-of-way maps, at the time of the survey. This information is spatially placed within the digital file of the topographic survey, based on recovered monumentation to depict the lines relative to the topographic locations. This is not a boundary survey and the information should not be relied as such. It is strongly recommended that if the design is contingent on accurate boundary placement and especially prior to construction, a boundary survey should be performed to establish the lines. We will not be responsible for the misuse of the topographic survey for purposes it was not intended. No attempt was made to resolve conflicts between the recovered boundary information and occupational lines, if any.
10. Symbols shown hereon and in the legend may have been enlarged for clarity. These symbols have been plotted at the center of the field location and may not represent the actual shape or size of the feature.
11. This map is intended to be displayed at a scale of 1:240 (1"=20').
12. Adjacent property ownership information and parcel identification information shown hereon were obtained from the Monroe County Property Appraiser's website and reflects the current data during the epoch of survey.
13. Units of measurement are in U.S. Survey Feet and decimal parts thereof. Well identified features in this survey were field measured to a horizontal positional accuracy of 0.05'. The elevations on impervious surfaces were field measured to 0.03' and on ground surfaces to 0.1'.
14. Abbreviation Legend: BLDG. = Building; B.M.= Benchmark; ℙ= Baseline of Survey; ℄= Centerline; C.L.F.= Chain-Link Fence; CONC.= Concrete; E:= Easting; EL.= Elevation; F.F. = Finished Floor; H.D.P.E. = High-Density Polyethylene; INV. = Invert; LB= Licensed Business; M.C.R. = Monroe County Records; N:= Northing; NAVD= North American Vertical Datum of 1988; N/A = Not applicable; N/D= Nail & Disk; NGVD= National Geodedic Vertical Datum of 1929; OW = Overhead Wires; O.R.B.= Official Records Book; P.B.= Plat Book; P/O = Portion of; PG= Page; PID= Point Identifier; P.L.S.= Professional Land Surveyor; P.V.C. = Polyvinyl Chloride; R.C.P. = Reinforced Concrete Pipe; R/W= Right-of-Way; T.O.P. = Top of Pole; TYP= Typical; W/ = With.

CERTIFICATION:

I HEREBY CERTIFY that the attached Topographic Route Survey of the hereon delineated property is true and correct to the best of my knowledge and belief as surveyed in the field under my direction. I FURTHER CERTIFY that this Topographic Route Survey meets the Standards of Practice set forth in Chapter 5J-17, Florida Administrative Code, pursuant to Chapter 472, Florida Statutes.

Date: 11/17/2022

KEITH M. CHEE-A-TOW, P.L.S.
Florida Registration No. 5328
AVIROM & ASSOCIATES, INC.
L.B. No. 3300
E-Mail: Keith@AviromSurvey.com

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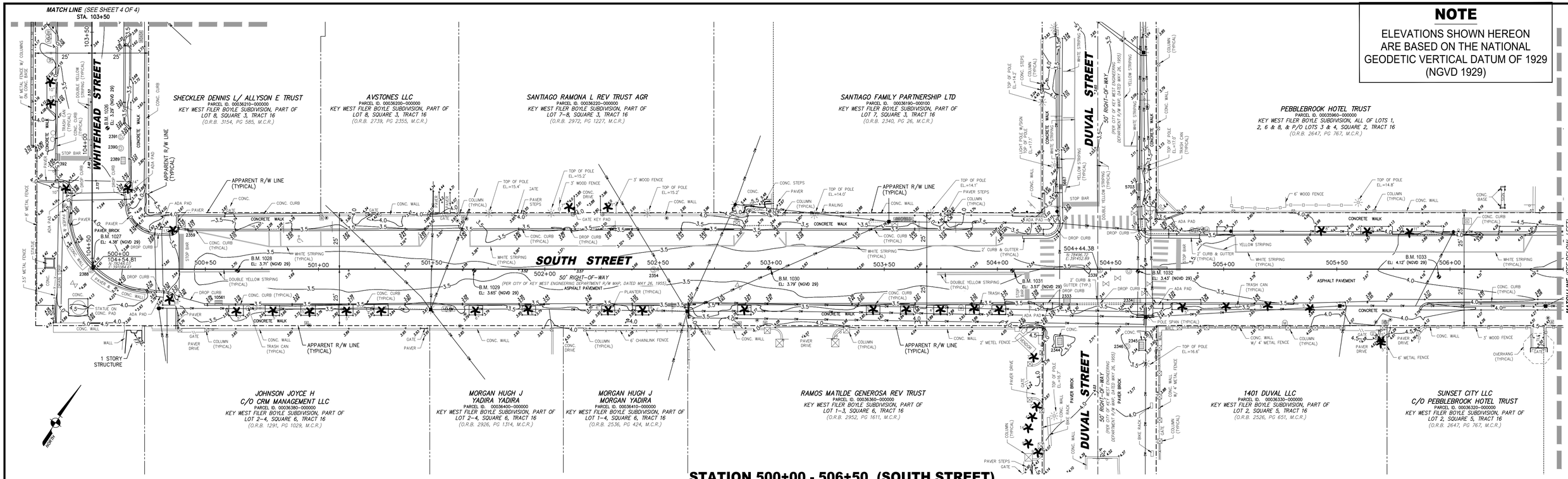
REVISIONS	DATE	F.B. / PG.	BY	CK'D	REVISIONS	DATE	F.B. / PG.	BY	CK'D

TOPOGRAPHIC ROUTE SURVEY
P/O SOUTH STREET, WHITEHEAD STREET & REYNOLDS STREET
STATION 500+00 TO 525+50 (SOUTH STREET)
STATION 100+00 TO 104+54.81 (WHITEHEADSTREET)
STATION 800+00 TO 804+50.08 (REYNOLDS STREET)
CITY OF KEY WEST
MONROE COUNTY, FLORIDA

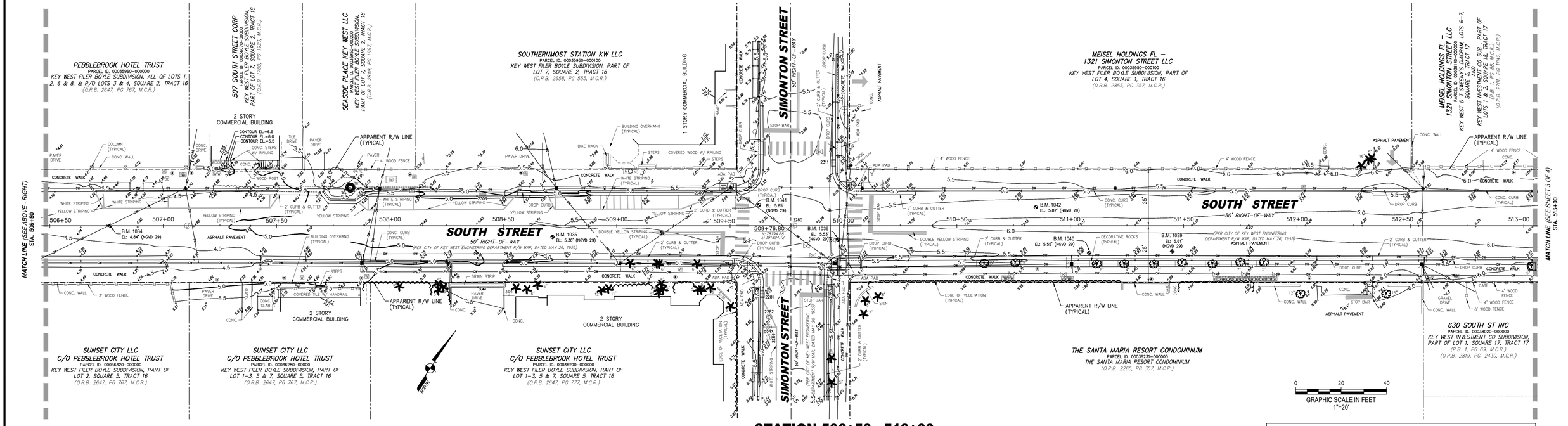
JOB #:	11406-13
SCALE:	1" = N/A
DATE:	11/17/2022
BY:	S.K.,L.B.,M.A.J
CHECKED:	K.M.C.
F.B.	2117 PG. 54-78
SHEET:	1 OF 4

NOTE

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929)



STATION 500+00 - 506+50 (SOUTH STREET)
STATION 103+50 - 104+54.81 (WHITEHEAD STREET)



STATION 506+50 - 513+00

NOTE: SEE SHEET 1 FOR UTILITY STRUCTURE INFORMATION

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TOPOGRAPHIC ROUTE SURVEY
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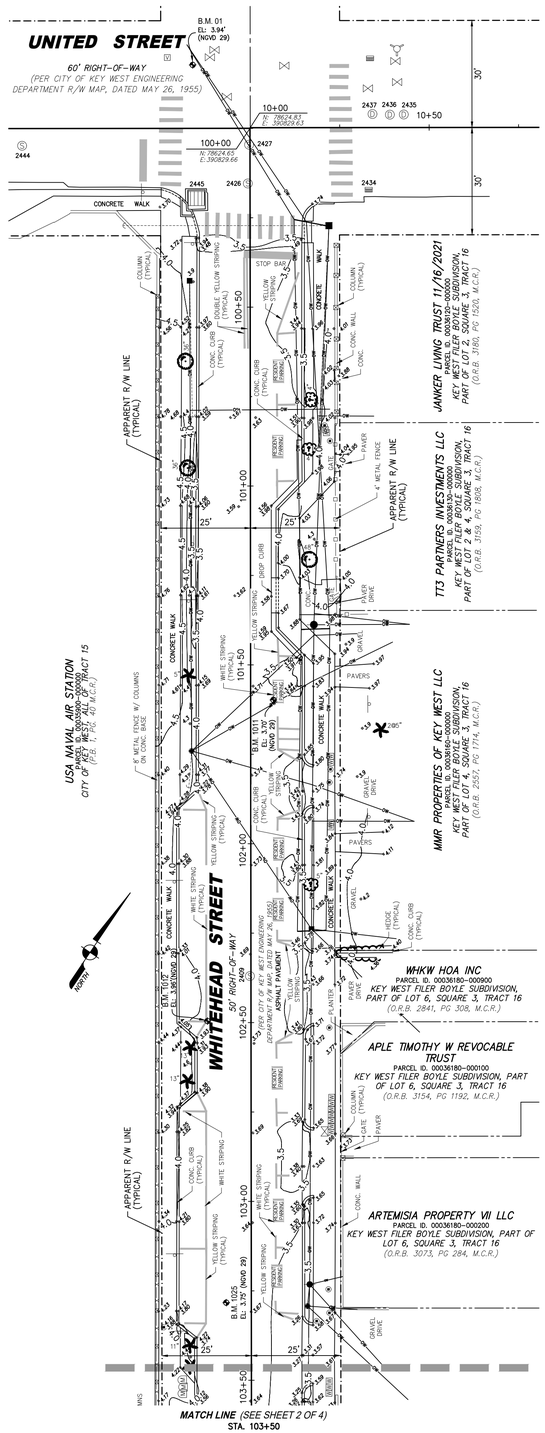
STATION 800+00 TO 804+50.08 (REYNOLDS STREET)
CITY OF KEY WEST
MONROE COUNTY, FLORIDA

JOB #:	**11406-13**
SCALE:	1" = 20'
DATE:	11/17/2022
BY:	S.K.,L.B.,M.A.J
CHECKED:	K.M.C.
F.B.	2117 PG. 54-78
SHEET:	**2 OF 4**



STATION 100+00 TO 103+50

LEGEND

- BACK FLOW PREVENTOR VALVE
- BENCHMARK
- BOLLARD (UNLESS NOTED)
- CATCH BASIN
- CLEAN OUT
- CONCRETE UTILITY POLE
- CONCRETE UTILITY POLE WITH LIGHT
- CURB INLET
- DRAINAGE MANHOLE
- ELECTRIC SERVICE BOX
- EXISTING ELEVATION
- 0.00 EXISTING ELEVATION
- FIRE HYDRANT
- FLAG POLE
- GUY ANCHOR
- HANDICAP PARKING
- LANDSCAPE LIGHT (SPOT LIGHT)
- PAPER STAND
- METAL LIGHT POLE
- OVERHEAD WIRES
- PARKING METER
- SANITARY MANHOLE
- SEWER VALVE
- SIGN (UNLESS NOTED)
- SIGN (UNLESS NOTED)
- TELEPHONE MANHOLE
- TRAFFIC LIGHT SUPPORT POLE
- TRAFFIC SIGNAL CONTROL RISER
- UNKNOWN UTILITY RISER
- UNKNOWN UTILITY SERVICE BOX
- VAULT
- WATER METER
- WATER VALVE
- WOOD UTILITY POLE
- WOOD UTILITY POLE WITH LIGHT
- YARD LIGHT

TREE LEGEND

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- Palm
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- 12" Denotes 12" Diameter Trunk (Typical)

NOTE

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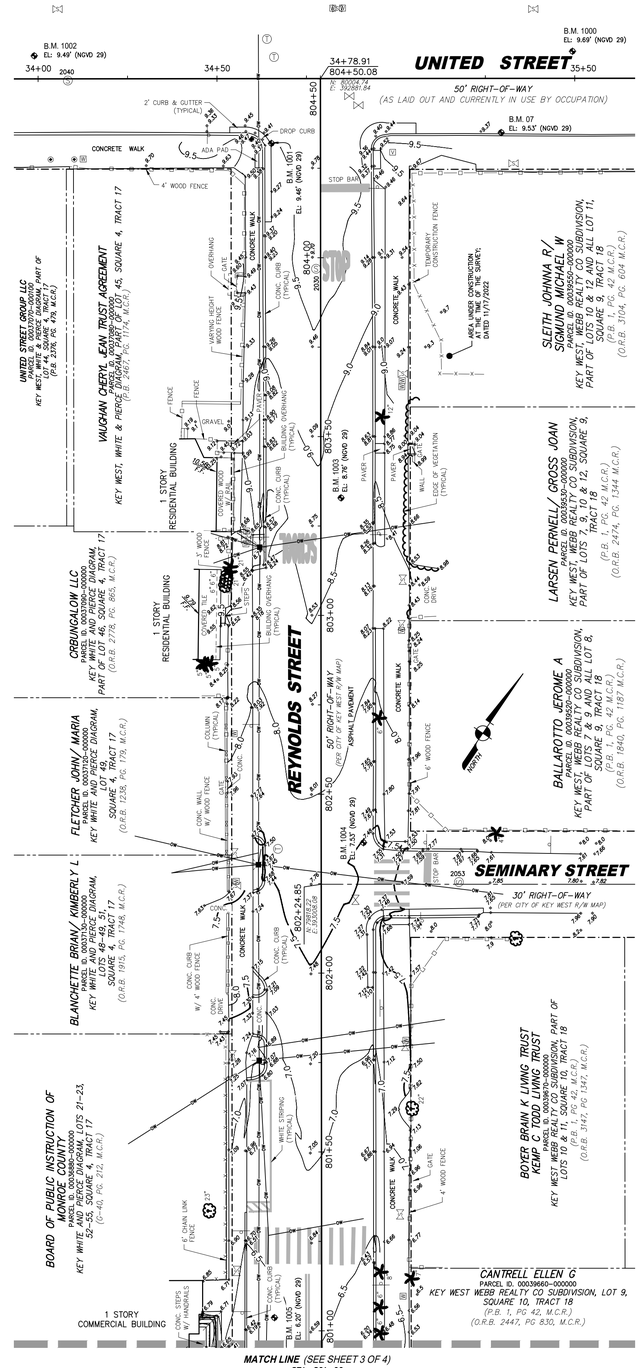
0 20 40
GRAPHIC SCALE IN FEET
1"=20'

NOTE: SEE SHEET 1 FOR UTILITY STRUCTURE INFORMATION



STATION 801+00 - 804+50.08

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F.B.	2117 PG. 54-78
SHEET:	4 OF 4

GENERAL NOTES:

1. Pursuant to 35 United States Code, Chapter 18, also known as the Bayh Dole Act of 1980, the non mountable curb was developed through federal funding. The 'Portable Temporary Low Profile Barrier For Roadside Safety' is a licensed design by the University Of Florida. Any infringement on the rights of the designer shall be the sole responsibility of the user.

2. This Index is provided by the Florida Department Of Transportation solely for use by the Department and its assignees. The purpose for this Index is to indicate the approval of use of the barrier on the State Highway System; to provide sufficient pictorials for identifying the barrier unit; and, to provide general installation geometry for the barrier.

3. This legally mandated relationship is unique to federally funded University patents that Department contractors use on Contracts. Pursuant to federal law, the University may pursue royalties for a valid patent. Only those barrier units cast by producers licensed by the University Of Florida will be allowed for installation on the State Highway System in Florida. Barrier wall units shall conform to Specification 521 and shall be produced in Department-approved plants with quality control plans for precasting concrete barrier walls. Each barrier wall unit shall be permanently marked with an identification that is traceable to the manufacturer, the producing precast concrete plant and the date of production. This permanent identification mark will serve as certification that the unit has been manufactured in accordance with University of Florida drawings and specifications, and the approved quality control program.

4. The low profile barrier is to be installed only with hardware and accessories furnished by the licensed barrier producer. Units shall be used for no purpose other than as interconnected segments in a run of barrier. Low profile barrier wall units shall maintain firm contact with adjoining units. Nuts on tensioning rods shall be installed snug tight.

5. The low profile barrier is applicable for work zone speeds of 45 mph or less.

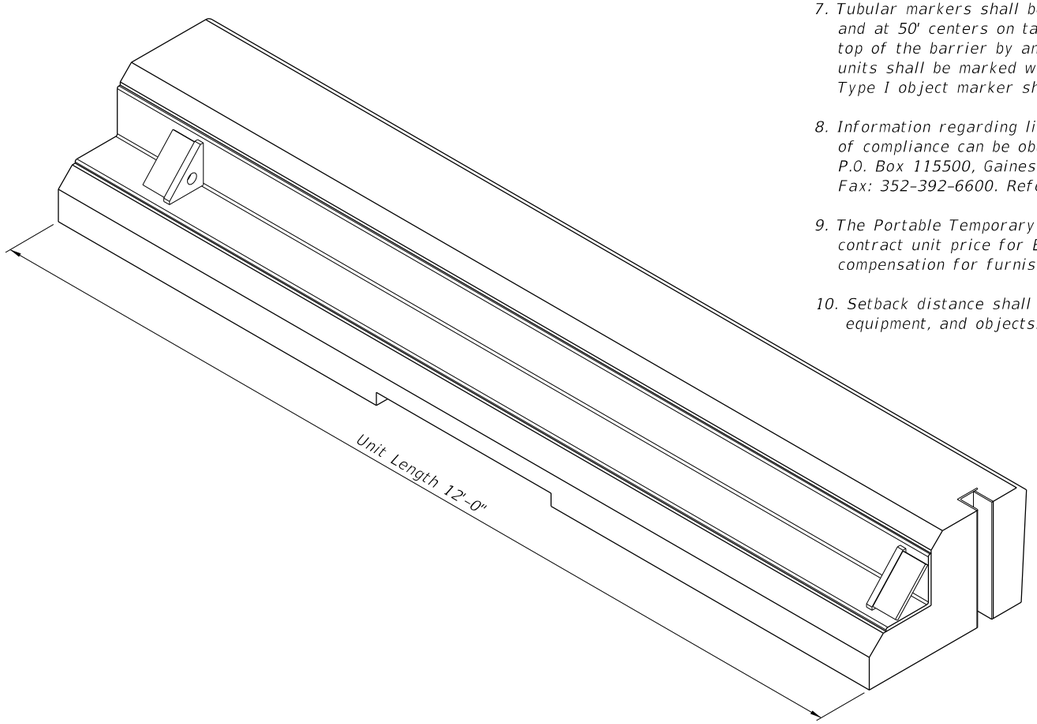
6. If the plans specify Low Profile Barrier then substitution with other barrier types is not permitted.

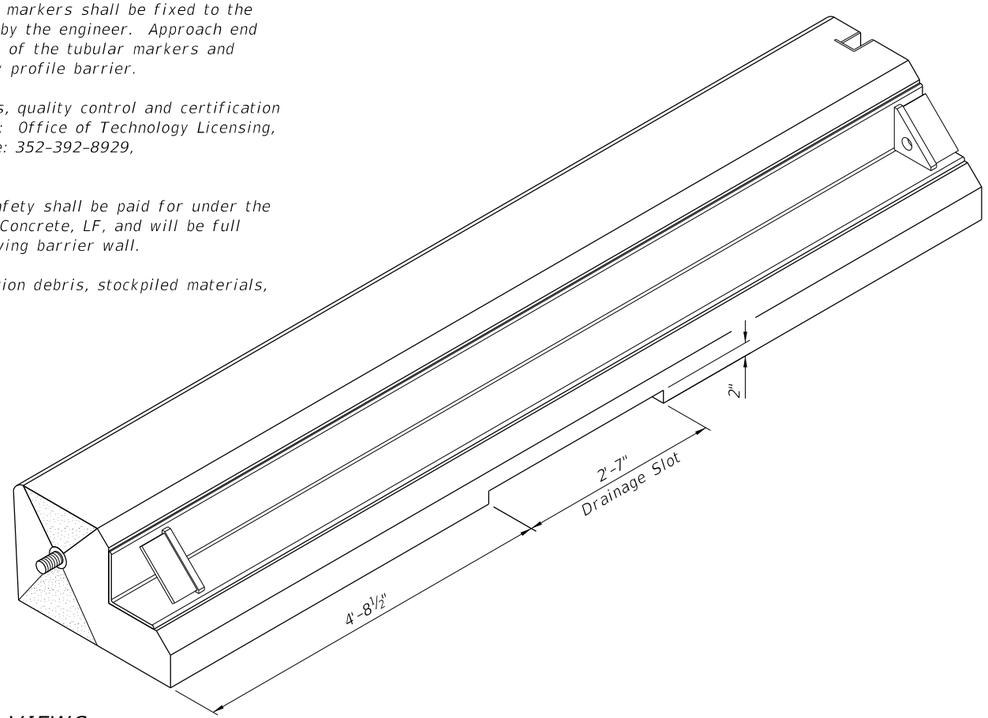
7. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 50' centers on tangents and 25' centers on radii. The markers shall be fixed to the top of the barrier by an adhesive or other method approved by the engineer. Approach end units shall be marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

8. Information regarding licensing, shop drawings, specifications, quality control and certification of compliance can be obtained from the University Of Florida: Office of Technology Licensing, P.O. Box 115500, Gainesville, Florida, 32611-5500. Telephone: 352-392-8929, Fax: 352-392-6600. Reference UF#11052.

9. The Portable Temporary Low Profile Barrier For Roadside Safety shall be paid for under the contract unit price for Barrier Wall (Temporary) Low Profile Concrete, LF, and will be full compensation for furnishing, installing, maintaining and removing barrier wall.

10. Setback distance shall be kept clear of any grass, construction debris, stockpiled materials, equipment, and objects.



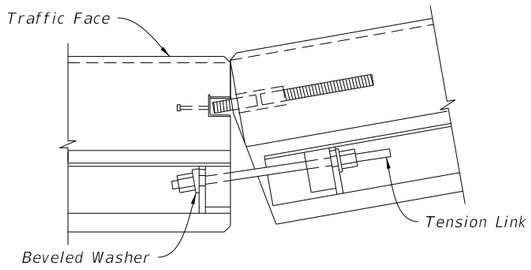


BACKSIDE AND END PICTORIAL VIEWS

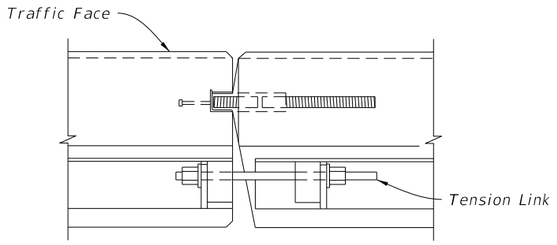
PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY

10/6/2022 1:22:19 PM

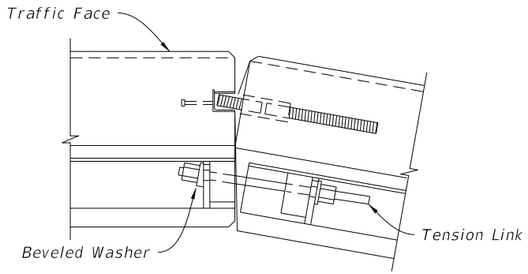
LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	LOW PROFILE BARRIER	INDEX	SHEET
11/01/19						102-120	1 of 5



CONCAVE CONNECTION

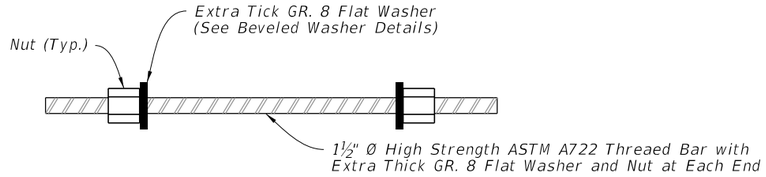


PARALLEL CONNECTION

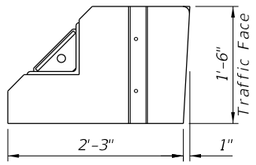


CONVEX CONNECTION

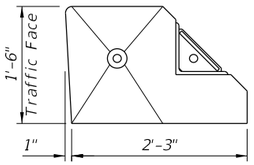
PLAN VIEWS OF CONNECTIONS



TENSION LINK DETAIL

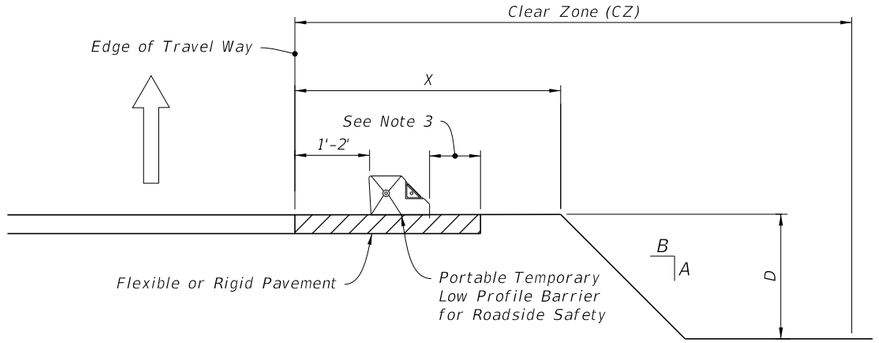


FLAT FACE FEMALE END

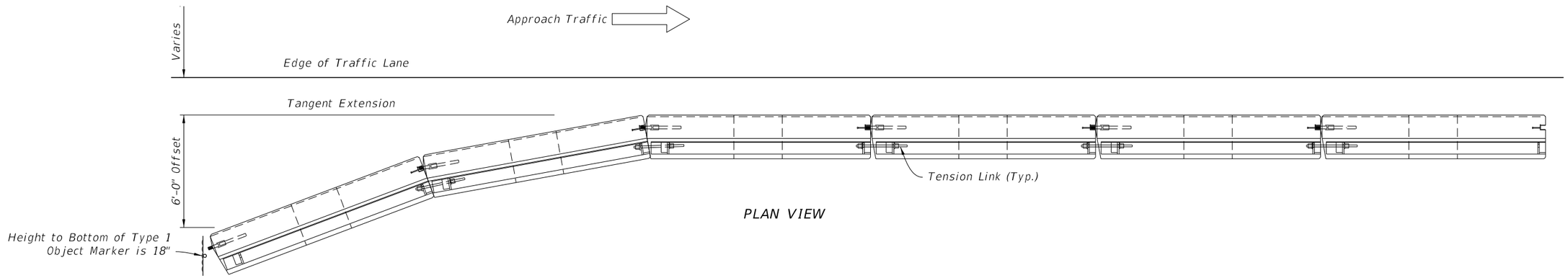


BEVELED FACE MALE END

END VIEWS



SETBACK DISTANCE AT DROP-OFFS



PLAN VIEW

APPROACH END OFFSET

NOTES:

1. LIMITATION OF USE: This installation technique can only be used on flexible or rigid pavement.
2. ASPHALT PAD: Where existing pavement is not present, construct 2" Asphalt Pad using miscellaneous asphalt pavement in accordance with Specification 339 with the exception that the use of a pre-emergent herbicide is not required. Payment for asphalt pad will be included in the cost of the barrier.
3. Minimum 9" on 1:10 or flatter slopes for 'Portable Temporary Low Profile Barrier For Roadside Safety.' For values A, B, D and X see Index 102-600.

SYMBOLS:

Type I Object Marker

Direction of Traffic

WORK ZONE SPEED	LATERAL OFFSET	SETBACK DISTANCE
45 MPH OR LESS	1' MIN, 2' PREFERRED	9"

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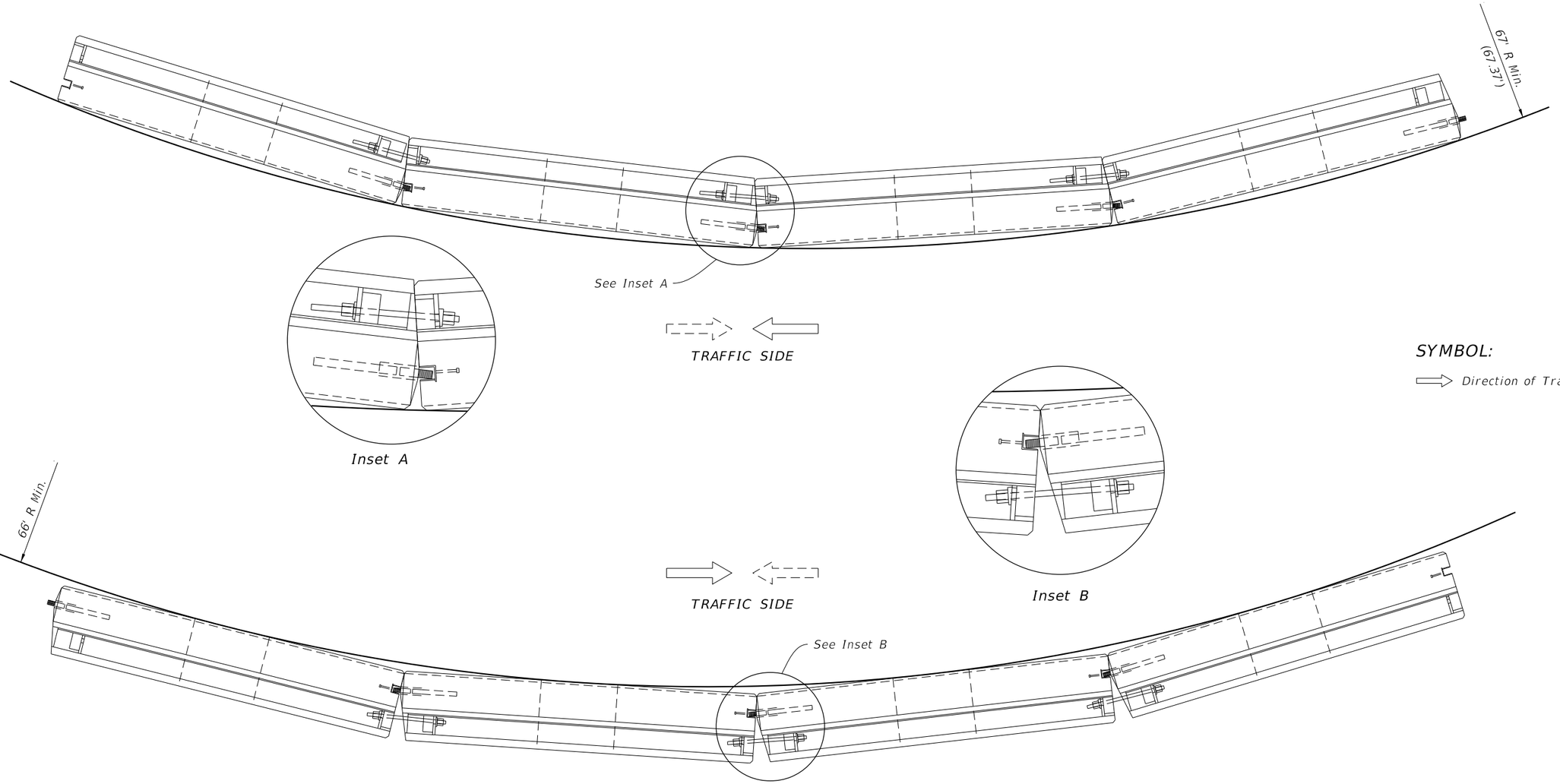
LAST REVISION	REVISION	DESCRIPTION:				
11/01/22			FDOT FY 2023-24 STANDARD PLANS	LOW PROFILE BARRIER	INDEX 102-120	SHEET 2 of 5



SYMBOL:

Direction of Traffic

CONCAVE CURVATURE

MAXIMUM CURVATURE - MINIMUM RADIUS

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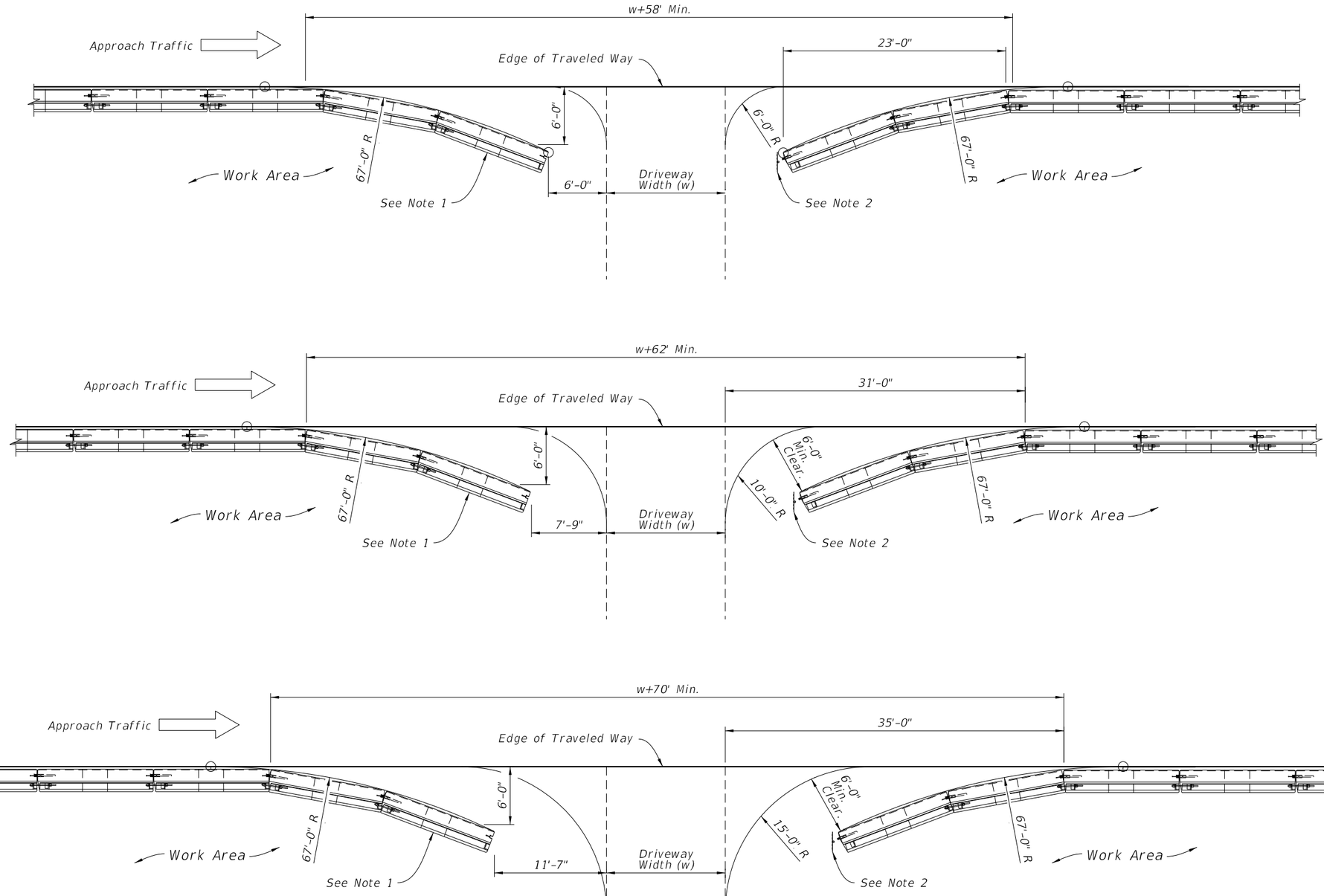
LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	LOW PROFILE BARRIER	INDEX	SHEET
11/01/19					102-120	3 of 5



NOTES:

1. Trailing end flares are not required when barrier located outside the clear zone of opposing traffic.
2. Type I Object Marker to be installed when trailing end flare falls within the clear zone of opposing traffic.

SYMBOLS:

Type I Object Marker

Direction of Traffic

BARRIER OPENINGS AT DRIVEWAYS

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	LOW PROFILE BARRIER	INDEX	SHEET
11/01/19					102-120	4 of 5

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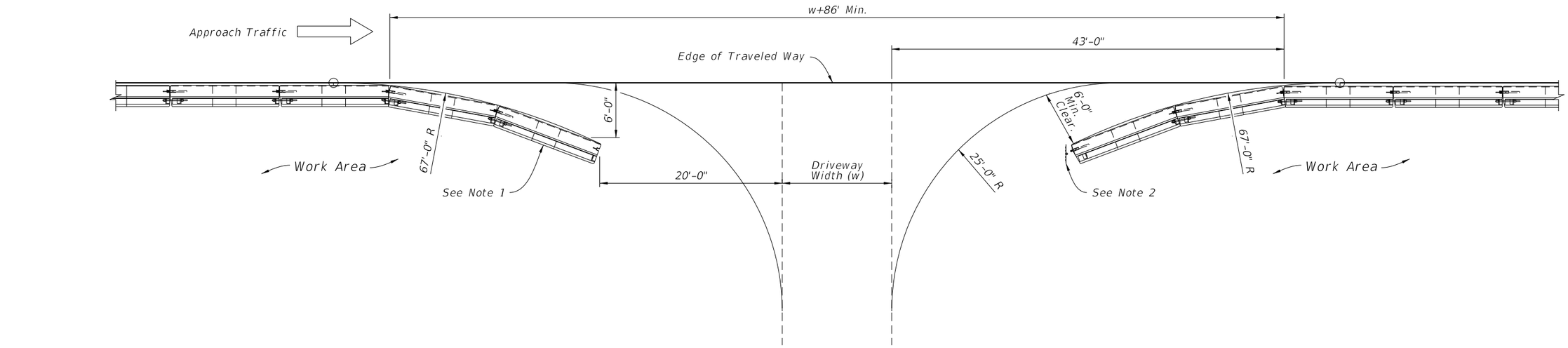

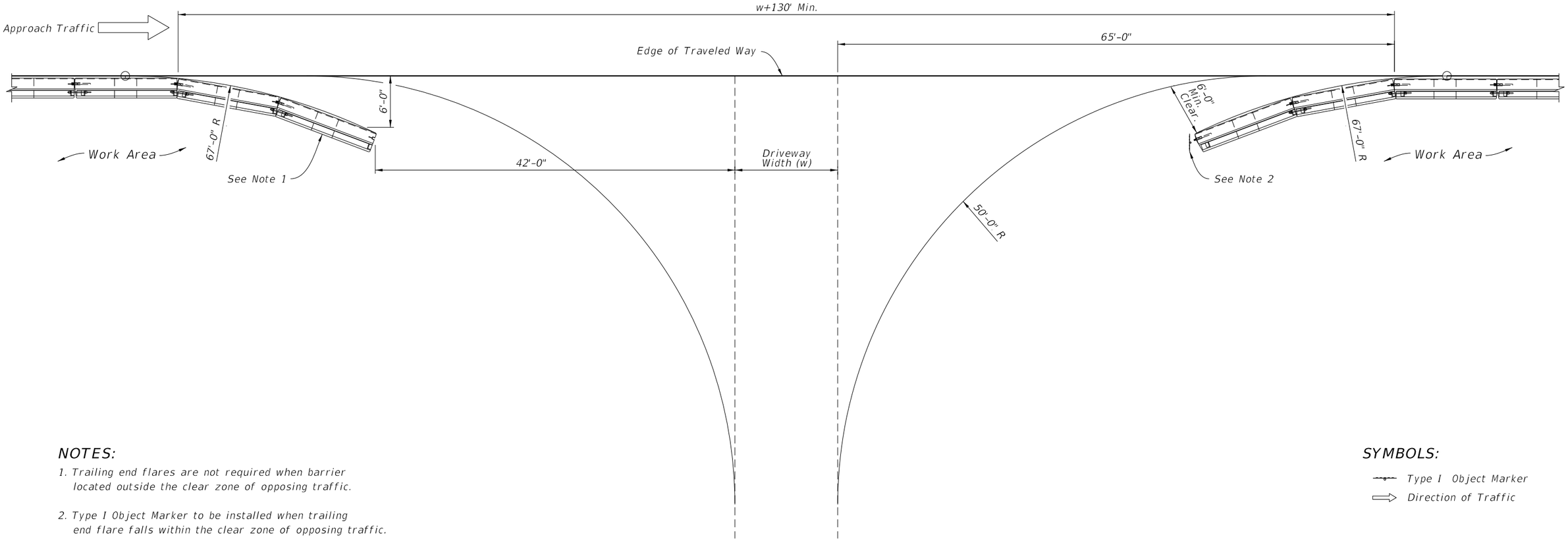

NOTES:

1. Trailing end flares are not required when barrier located outside the clear zone of opposing traffic.

2. Type I Object Marker to be installed when trailing end flare falls within the clear zone of opposing traffic.

SYMBOLS:

Type I Object Marker

Direction of Traffic

BARRIER OPENINGS AT DRIVEWAYS

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LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2023-24 STANDARD PLANS	LOW PROFILE BARRIER	INDEX	SHEET
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SHEET	TABLE OF CONTENTS
1	General Notes, TTC Tables
2	Definitions Temporary Traffic Control Devices Overhead Work Railroads Sight Distance Above Ground Hazard
3	Clear Zone Widths For Work Zones Superelevation Length Of Lane Closures Overweight/Oversize Vehicles Lane Widths High-Visibility Safety Apparel Speed Reduction Signing
4	Flagger Control Survey Work Zones Signs
5	Work Zone Sign Supports
6	Commonly Used Warning and Regulatory Signs In Work Zones
7	Manholes/Crosswalks/Joints Truck Mounted Attenuators Signals Channelizing Devices Channelizing Devices Consistency Advanced Warning Arrow Boards
8	Drop-Offs In Work Zones
9	Business Entrance Temporary Asphalt Separator
10	Channelizing Devices Notes Temporary Barrier Notes
11	Pavement Markings

GENERAL NOTES:

1. This Index contains information specific to the Federal and State guidelines and standards for the preparation of traffic control plans and for the execution of traffic control in work zones, for construction and maintenance operations and utility work on highways, roads and streets on the State Highway System. Certain requirements in this Index are based on the high volume nature of State Highways. For highways, roads and streets off the State Highway System, the local agency (City/County) having jurisdiction may adopt requirements based on the minimum requirements provided in the MUTCD.

2. Use this Index in accordance with the Plans and Indexes 102-601 through 102-680. Indexes 102-601 through 102-680 are Department-specific typical applications of commonly encountered situations. Adjust device location or number thereof as recommended by the Worksite Traffic Supervisor and approved by the Engineer. Devices include, but are not limited to, flaggers, portable temporary signals, signs, pavement markings, and channelizing devices. Comply with MUTCD or applicable Department criteria for any changes and document the reason for the change.

3. Except for emergencies, any road closure on State Highway System must comply with Section 335.15, F.S.

TABLE 1
CHANNELIZING DEVICE SPACING

Work Zone Speed (mph)	Max. Spacing (feet)			
	Cones or Temporary Tubular Markers		Type I Barricades, Type II Barricades, Vertical Panels, or Drums	
	Taper	Tangent	Taper	Tangent
≤ 45	25	50	25	50
≥ 50	25	50	50	100

TABLE 2
TAPER LENGTH "L"

Work Zone Speed (mph)	Min. Length (feet)
≤ 40	$L = \frac{WS^2}{60}$
≥ 45	$L = WS$
Where: W = width of offset in feet S = speed in mph	

TABLE 3
WORK ZONE SIGN SPACING "X"

Road Type	Min. Spacing (feet)
Arterials and Collectors with Work Zone Speed ≤ 40 mph	200
Arterials and Collectors with Work Zone Speed ≥ 45 mph	500
Limited Access Roadways *	1,500
* For Limited access roadways with work zone speed ≤ 55 mph, the minimum spacing may be reduced in accordance with the MUTCD and as approved by the Engineer.	

TABLE 4
BUFFER LENGTH "B"

Work Zone Speed (mph)	Min. Length (feet)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
Note: When Buffer Length "B" cannot be attained due to geometric constraints, use the greatest length possible, but not less than 155 feet.	

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DEFINITIONS:

Regulatory Speed (In Work Zones)

The maximum permitted travel speed posted for the work zone is indicated by the regulatory speed limit signs. The work zone speed must be shown or noted in the plans. This speed should be used as the minimum design speed to determine runout lengths, departure rates, flare rates, lengths of need, clear zone widths, taper lengths, crash cushion requirements, marker spacings, superelevation and other similar features.

Advisory Speed

The maximum recommended travel speed through a curve or a hazardous area.

Travel Way

The portion of the roadway for the movement of vehicles. For traffic control through work zones, travel way may include the temporary use of shoulders and any other permanent or temporary surface intended for use as a lane for the movement of vehicular traffic.

a. Travel Lane: The designated widths of roadway pavement marked to carry through traffic and to separate it from opposing traffic or traffic occupying other traffic lanes.

b. Auxiliary Lane: The designated widths of roadway pavement marked to separate speed change, turning, passing and climbing maneuvers from through traffic.

Detour, Lane Shift, and Diversion

A detour is the redirection of traffic onto another roadway to bypass the temporary traffic control zone. A lane shift is the redirection of traffic onto a different section of the permanent pavement. A diversion is the redirection of traffic onto a temporary roadway, usually adjacent to the permanent roadway and within the limits of the right of way.

Aboveground Hazard

An aboveground hazard is any object, material or equipment other than traffic control devices that encroaches upon the travel way or that is located within the clear zone which does not meet the Department's safety criteria, i.e., anything that is greater than 4" in height and is firm and unyielding or doesn't meet breakaway requirements.

TEMPORARY TRAFFIC CONTROL DEVICES:

1. All temporary traffic control devices shall be ON the Department's Approved Products List (APL). Ensure the appropriate APL number is permanently marked on the device in a readily visible location.

2. All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time, temporary traffic control devices that are no longer appropriate shall be removed or covered. Do not store temporary traffic control devices on the shoulder, sidewalk, or other roadway facility not affected by the work when work is suspended.

3. Arrow Boards, Portable Changeable Message Signs, Radar Speed Display Trailer, Portable Regulatory Signs, and any other trailer mounted device shall be delineated with a channelizing device placed at each corner when in use and shall be moved outside the travel way and clear zone or be shielded by a barrier or crash cushion when not in use.

OVERHEAD WORK:

Work is only allowed over a traffic lane when one of the following options is used:

OPTION 1 (OVERHEAD WORK USING A MODIFIED LANE CLOSURE)

Overhead work using a modified lane closure is allowed if all of the following conditions are met:

a. Work operation is located in a signalized intersection and limited to signals, signs, lighting and utilities.
b. Work operations are 60 minutes or less.
c. Speed limit is 45 mph or less.
d. Aerial lift equipment in the work area has high-intensity, rotating, flashing, oscillating, or strobe lights operating.
e. Aerial lift equipment is placed directly below the work area to close the lane.
f. Traffic control devices are placed in advance of the vehicle/equipment closing the lane using a minimum 100 foot taper.
g. Volume or complexity of the roadway may dictate additional devices, signs, flagmen and/or a traffic control officer.

OPTION 2 (OVERHEAD WORK ABOVE AN OPEN TRAFFIC LANE)

Overhead work above a open traffic lane is allowed if all of the following conditions are met:

a. Work operation is located on a utility pole, light pole, signal pole, or their appurtenances.
b. Work operations are 60 minutes or less.
c. Speed limit is 45 mph or less.
d. No encroachment by any part of the work activities and equipment within an area bounded by 2 feet outside the edge of travel way and 18 feet high.
e. Aerial lift equipment in the work area has high-intensity, rotating, flashing, oscillating, or strobe lights operating.
f. Volume or complexity of the roadway may dictate additional devices, signs, flagmen and/or a traffic control officer.
g. Adequate precautions are taken to prevent parts, tools, equipment and other objects from falling into open lanes of traffic.
h. Other Governmental Agencies, Rail facilities, or Codes may require a greater clearance. The greater clearance required prevails as the rule.

OPTION 3 (OVERHEAD WORK ADJACENT TO AN OPEN TRAFFIC LANE)

Overhead work adjacent to an open traffic lane is allowed if all of the following conditions are met:

a. Work operation is located on a utility pole, light pole, signal pole, or their appurtenances.
b .Work operations are 1 day or less.
c. Speed limit is 45 mph or less.
d. No encroachment by any part of the work activities and equipment within 2 foot from the edge of travel way up to 18' height. Above 18' in height, no encroachment by any part of the work activities and equipment over the open traffic lane (except as allowed in Option 2 for work operations of 60 minutes or less).
e. Aerial lift equipment in the work area has high-intensity, rotating, flashing, oscillating, or strobe lights operating.
f. Volume or complexity of the roadway may dictate additional devices, signs, flagmen and/or a traffic control officer.
g. Adequate precautions are taken to prevent parts, tools, equipment and other objects from falling into open lanes of traffic.
h. Other Governmental Agencies, Rail facilities, or Codes may require a greater clearance. The greater clearance required prevails as the rule.

OVERHEAD WORK: (Cont.)

OPTION 4 (OVERHEAD WORK MAINTAINING TRAFFIC WITH NO ENCROACHMENT BELOW THE OVERHEAD WORK AREA)

Traffic shall be detoured, shifted, diverted or paced as to not encroach in the area directly below the overhead work operations in accordance with the appropriate index drawing or detailed in the plans. This option applies to, but not limited to, the following construction activities:

a. Beam, girder, segment, and bent/pier cap placement.
b. Form and falsework placement and removal.
c. Concrete placement.
d. Railing construction located at edge of deck.
e. Structure demolition.

OPTION 5 (CONDUCTOR/CABLE PULLING ABOVE AN OPEN TRAFFIC LANE)

Overhead cable and/or de-energized conductor installations initial pull to proper tension shall be done in accordance with the appropriate Index or temporary traffic control plan.

Continuous pulling operations of secured cable and/or conductors are allowed over open lane(s) of traffic with no encroachment by any part of the work activities, materials or equipment within the minimal vertical clearance above the travel way. The utility shall take precautions to ensure that pull ropes and conductors/cables at no time fall below the minimum vertical clearance.

On Limited Access facilities, a site specific temporary traffic control plan is required. The temporary traffic control plan shall include:

a. The temporary traffic control set up for the initial pulling of the pull rope across the roadway.
b. During pulling operations, advance warning consisting of no less than a Changeable Message Sign upstream of the work area with alternating messages, "Overhead Work Ahead" and "Be Prepared to Stop" followed by a traffic control officer and police vehicle with blue lights flashing during the pulling operation.

RAILROADS:

Railroad crossings affected by a construction project should be evaluated for traffic controls to reduce queuing on the tracks. The evaluation should include as a minimum: traffic volumes, distance from the tracks to the intersections, lane closure or taper locations, signal timing, etc.

SIGHT DISTANCE:

1. Tapers: Transition tapers should be obvious to drivers. If restricted sight distance is a problem (e.g., a sharp vertical or horizontal curve), the taper should begin well in advance of the view obstruction. The beginning of tapers should not be hidden behind curves.

2. Intersections: Traffic control devices at intersections must provide sight distances for the road user to perceive potential conflicts and to traverse the intersection safely. Construction equipment and materials shall not restrict intersection sight distance.

ABOVEGROUND HAZARD:

1. Aboveground hazards (see definitions) are to be considered work areas during working hours and treated with appropriate work zone traffic control procedures. During nonworking hours, all objects, materials and equipment that constitute an aboveground hazard must be stored/placed outside the travel way and clear zone or be shielded by a barrier or crash cushion.

2. For aboveground hazards within a work zone the clear zone required should be based on the regulatory speed posted during construction.

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CLEAR ZONE WIDTHS FOR WORK ZONES:

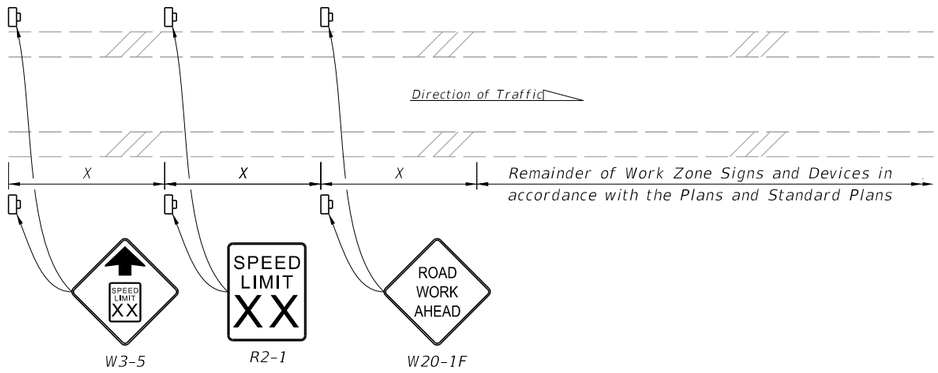
The term 'clear zone' describes the unobstructed relatively flat area, impacted by construction, extending outward from the edge of the traffic lane. The table below gives clear zone widths in work zones for medians and roadside conditions other than for roadside canals; where roadside canals are present, clear zone widths are to conform with the distances to canals as described in the FDOT Design Manual 215.2.

TABLE 5

CLEAR ZONE WIDTHS FOR WORK ZONES

WORK ZONE SPEED (MPH)	TRAVEL LANES & MULTILANE RAMPS (feet)	AUXILIARY LANES & SINGLE LANE RAMPS (feet)
60–70	30	18
55	24	14
45–50	18	10
30–40	14	10
ALL SPEEDS CURB & GUTTER	4' BEHIND FACE OF CURB	4' BEHIND FACE OF CURB

NOTE: For temporary conditions where existing curb has been removed but not reconstructed, curb and gutter values may be used.



NOTES:

1. X = Work Zone Sign Spacing
2. When called for in the Plans, use this detail in accordance with the Plans and Standard Plans. Place the speed reduction signs (W3–5 and R2–1) in advance of the "Road Work Ahead" sign (W20–1F) as shown.
3. Do not use this detail in conjunction with the Motorist Awareness System.
4. For speed reductions greater than 10 MPH, reduce the speed in 10 MPH increments of 'X' distance. Do not reduce the speed below the minimum statutory speed for the class of facility.
5. Place additional "Speed Limit" signs (R2–1) at intervals of no more than one mile for rural conditions and 1,000 feet for urban conditions.
6. For undivided roadways, omit the signs shown in the median.
7. Remove temporary regulatory speed signs as soon as the conditions requiring the reduced speed no longer exist. Once the work zone regulatory speeds are removed, the regulatory speed existing prior to construction will automatically go back into effect.

SPEED REDUCTION SIGNING

SUPERELEVATION:

Horizontal curves constructed in conjunction with work zone traffic control should have the required superelevation applied to the design radii. Under conditions where normal crown controls curvature, the minimum radii that can be applied are listed in the table below.

TABLE 6

MINIMUM RADII FOR NORMAL CROWN

WORK ZONE POSTED SPEED	MINIMUM RADIUS
MPH	feet
70	4090
65	3130
60	2400
55	1840
50	1390
45	1080
40	820
35	610
30	430

Superelevate When Smaller Radii is Used

LENGTH OF LANE CLOSURES:

For interstates and state highways with a posted speed of 55MPH or greater, lane closures must not exceed 3 miles (includes taper, buffer, and work zone) in any given direction and must not close two consecutive interchanges.

OVERWEIGHT/OVERSIZE VEHICLES:

Restrictions to Lane Widths, Heights or Load Capacity can greatly impact the movement of over dimensioned loads. The Contractor shall notify the Engineer who in turn shall notify the State Permits Office, phone no. (850) 410–5777, at least seven calendar days in advance of implementing a maintenance of traffic plan which will impact the flow of overweight/oversized vehicles. Information provided shall include location, type of restriction (height, width or weight) and restriction time frames. When the roadway is restored to normal service the State Permits Office shall be notified immediately.

LANE WIDTHS:

Lane widths of through roadways should be maintained through work zone travel ways wherever practical. Provide minimum widths for work zone travel lanes as follows: 11' for Interstate with at least one 12' lane provided in each direction, unless formally excepted by the Federal Highway Administration; 11' for all other limited access roadways; and 10' for all other facilities.

HIGH-VISIBILITY SAFETY APPAREL:

All high–visibility safety apparel shall meet the requirements of the International Safety Equipment Association (ISEA) and the American National Standards Institute (ANSI) for "High–Visibility Safety Apparel", and labeled as ANSI/ISEA 107–2004 or newer. The apparel background (outer) material color shall be either fluorescent orange–red or fluorescent yellow–green as defined by the standard. The retroreflective material shall be orange, yellow, white, silver, yellow–green, or a fluorescent version of these colors, and shall be visible at a minimum distance of 1,000 feet. Class 3 apparel may be substituted for Class 2 apparel. Replace apparel that is not visible at 1,000 feet.

WORKERS: All workers within the right–of–way shall wear ANSI/ISEA Class 2 apparel. Workers operating machinery or equipment in which loose clothing could become entangled during operation shall wear fitted high–visibility safety apparel. Workers inside the bucket of a bucket truck are not required to wear high–visibility safety apparel.

UTILITIES: When other industry apparel safety standards require utility workers to wear apparel that is inconsistent with FDOT requirements such as NFPA, OSHA, ANSI, etc., the other standards for apparel may prevail.

FLAGGERS: For daytime activities, Flaggers shall wear ANSI/ISEA Class 2 apparel. For nighttime activities, Flaggers shall wear ANSI/ISEA Class 3 apparel.

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FLAGGER CONTROL:

Regulatory Speed (In Work Zones)

Where flaggers are used, a FLAGGER symbol or legend sign must replace the WORKERS symbol or legend sign.

The flagger must be clearly visible to approaching traffic for a distance sufficient to permit proper response by the motorist to the flagging instructions, and to permit traffic to reduce speed or to stop as required before entering the work site. Flaggers shall be positioned to maintain maximum color contrast between the Flagger's high-visibility safety apparel and equipment and the work area background.

Hand-Signaling Devices

STOP/SLOW paddles are the primary hand-signaling device. The STOP/SLOW paddle shall have an octagonal shape on a rigid handle. If the STOP/SLOW paddle is placed on a rigid staff, the minimum length of the staff, measured from the bottom of the paddle to the end of the staff that rests on the ground, must not be less than 6 ft. STOP/SLOW paddles shall be at least 24 inches wide with letters at least 6 inches high and should be fabricated from light semirigid material. The background of the STOP face shall be red with white letters and border. The background of the SLOW face shall be orange with black letters and border. When used at night-time, the STOP/SLOW paddle shall be retroreflectorized.

Flag use is limited to immediate emergencies, intersections, and when working on the centerline or shared left turn lanes where two (2) flaggers are required and there is opposing traffic in the adjacent lanes. Flags, when used, shall be a minimum of 24 inches square, made of a good grade of red material, and securely fastened to a staff that is approximately 36 inches in length. When used at nighttime, flags shall be retroreflectorized red.

Flashlight, lantern or other lighted signal that will display a red warning light shall be used at night.

Flagger Stations

Flagger stations shall be located far enough in advance of the work area so that approaching road users will have sufficient distance to stop before entering the work area. When used at nighttime, the flagger station shall be illuminated.

SURVEY WORK ZONES:

The SURVEY CREW AHEAD symbol or legend sign shall be the principal Advance Warning Sign used for Traffic Control Through Survey Work Zones and may replace the ROAD WORK AHEAD sign when lane closures occur, at the discretion of the Party Chief.

When Traffic Control Through Work Zones is being used for survey purposes only, the END ROAD WORK sign as called for on certain 102 Series of Indexes should be omitted.

Survey Between Active Traffic Lanes or Shared Left Turn Lanes

The following provisions apply to Main Roadway Traffic Control Work Zones. These provisions must be adjusted by the Party Chief to fit roadway and traffic conditions when the Survey Work Zone includes intersections.

(A) A STAY IN YOUR LANE (M0T-1-06) sign shall be added to the Advance Warning Sign sequence as the second most immediate sign from the work area.

(B) Elevation Surveys-Cones may be used at the discretion of the Party Chief to protect prism holder and flagger(s). Cones, if used, may be placed at up to 50' intervals along the break line throughout the work zone.

SURVEY WORK ZONES: (Cont.)

(C) Horizontal Control-With traffic flow in the same direction, cones shall be used to protect the backsight tripod and/or instrument. Cones shall be placed at the equipment, and up to 50' intervals for at least 200' towards the flow of traffic.

(D) Horizontal Control-With traffic flow in opposite directions, cones shall be used to protect the backsight tripod and/or instrument. Cones shall be placed at the equipment, and up to 50' intervals for at least 200' in both directions towards the flow of traffic.

SIGNS:

SIGN MATERIALS

Mesh signs and non-retroreflectice vinyl signs may only be used for daylight operations. Non-retroreflectice vinyl signs must meet the requirements of Specifications Section 994.

Retroreflective vinyl signs meeting the requirements of Specification Section 994 may be used for daylight or night operations not to exceed 1 day except as noted in the Indexes.

Rigid or Lightweight sign panels may be used in accordance with the vendor APL drawing for the sign stand to which they are attached.

INTERSECTING ROAD SIGNING

Signing for the control of traffic entering and leaving work zones by way of intersecting crossroads shall be adequate to make drivers aware of work zone conditions. When Work operations exceed 60 minutes, place the ROAD WORK AHEAD sign on the side street entering the work zone.

ADJOINING AND/OR OVERLAPPING WORK ZONE SIGNING

Adjoining work zones may not have sufficient spacing for standard placement of signs and other traffic control devices in their advance warning areas or in some cases other areas within their traffic control zones. Where such restraints or conflicts occur or are likely to occur, one of the following methods will be employed to avoid conflicts and prevent conditions that could lead to misunderstanding on the part of the traveling public as to the intended travel way by the traffic control procedure applied:

(A) For scheduled projects the engineer in responsible charge of project design will resolve anticipated work zone conflicts during the development of the project traffic control plan. This may entail revision of plans on preceding projects and coordination of plans on concurrent projects.

(B) Unanticipated conflicts arising between adjoining in progress highway construction projects will be resolved by the Resident Engineer for projects under his residency, and, by the District Construction Engineer for in progress projects under adjoining residencies.

(C) The District Maintenance Engineer will resolve anticipated and occurring conflicts within scheduled maintenance operations.

(D) The Unit Maintenance Engineer will resolve conflicts that occur within routine maintenance works; between routine maintenance work, unscheduled work and/or permitted work; and, between unit controlled maintenance works and highway construction projects.

SIGNS: (Cont.)

SIGN COVERING AND INTERMITTENT WORK STOPPAGE SIGNING

Existing or temporary traffic control signs that are no longer applicable or are inconsistent with intended travel paths shall be removed or fully covered.

Sign blanks or other available coverings must completely cover the existing sign. Rigid sign coverings shall be the same size as the sign it is covering, and bolted in a manner to prevent movement.

Sign covers are incidental to work operations and are not paid for separately.

SIGNING FOR DETOURS, LANE SHIFTS AND DIVERSIONS

Detours should be signed clearly over their entire length so that motorists can easily determine how to return to the original roadway. The reverse curve (W1-4) warning sign should be used for the advanced warning for a lane shift. A diversion should be signed as a lane shift.

EXTENDED DISTANCE ADVANCE WARNING SIGN

Advance Warning Signs shall be used at extended distance of one-half mile or more when limited sight distance or the nature of the obstruction may require a motorist to bring their vehicle to a stop. Extended distance Advanced Warning Signs may be required on any type roadway, but particularly be considered on multilane divided highways where vehicle speed is generally in the higher range (45 MPH or more).

UTILITY WORK AHEAD SIGN

The UTILITY WORK AHEAD (W21-7) sign may be used as an alternate to the ROAD WORK AHEAD or the ROAD WORK XX FT (W20-1) sign for utility operations on or adjacent to a highway.

LENGTH OF ROAD WORK SIGN

The length of road work sign (G20-1) bearing the legend ROAD WORK NEXT _____ MILES is required for all projects of more than 2 miles in length. The number of miles entered should be rounded up to the nearest mile. The sign shall be located at begin construction points.

GROOVED PAVEMENT AHEAD SIGN

The GROOVED PAVEMENT AHEAD sign is required 500 feet in advance of a milled or grooved surface open to traffic. The W8-15P placard shall be used in conjunction with the GROOVED PAVEMENT AHEAD sign.

END ROAD WORK SIGN

The END ROAD WORK sign (G20-2) should be installed on all projects, but may be omitted where the work operation is less than 1 day. The sign should be placed approximately 500 feet beyond the end of a construction or maintenance project unless other distance is called for in the plans. When other Construction or Maintenance Operations occur within 1 mile this sign should be omitted and signing coordinated in accordance with Index 102-600, ADJOINING AND/OR OVERLAPPING WORK ZONE SIGNING.

NOTES:

1. All signs shall be post mounted when work operations exceed one day except for:

   a. Road closure signs mounted in accordance with the vendor drawing for the Type III Barricade shown on the APL.
   b. Pedestrian and bicycle advanced warning or pedestrian regulatory signs mounted on sign supports in accordance with the vendor drawing shown on the APL.
   c. Median barrier mounted signs per Index 700-013.
   d. Bridge mounted signs per Index 700-012.

2. Unless shielded with barrier or outside of the Clear Zone, signs mounted on temporary supports or barricades, and barricade/sign combination must be crashworthy in accordance with NCHRP 350 requirements and included on the Approved Products List (APL).

3. Use only approved systems listed on the Department's Approved Products List (APL).

4. Manufacturers seeking approval of U-Channel and steel square tube sign support assemblies for inclusion on the Approved Products List (APL) must submit a APL application, design calculations (for square tube only), and detailed drawings showing the product meets all the requirements of this Index.

5. Provide 3 lb/ft Steel U-Channel Posts with a minimum section modulus of 0.43 in^3 for 60 ksi steel, a minimum section modulus of 0.37 in^3 for 70 ksi steel, or a minimum section modulus of 0.34 in^3 for 80 ksi steel.

6. Provide 4 lb/ft Steel U-Channel Posts with a minimum section modulus of 0.56 in^3 for 60 ksi steel, or a minimum section modulus of 0.47 in^3 for 70 ksi or 80 ksi steel.

7. U-channel posts shall conform with ASTM A 499, Grade 60, or ASTM A 576, Grade 1080 (with a minimum yield strength of 60 ksi). Square tube posts shall conform with ASTM A 653, Grade 50, or ASTM A 1011, Grade 50.

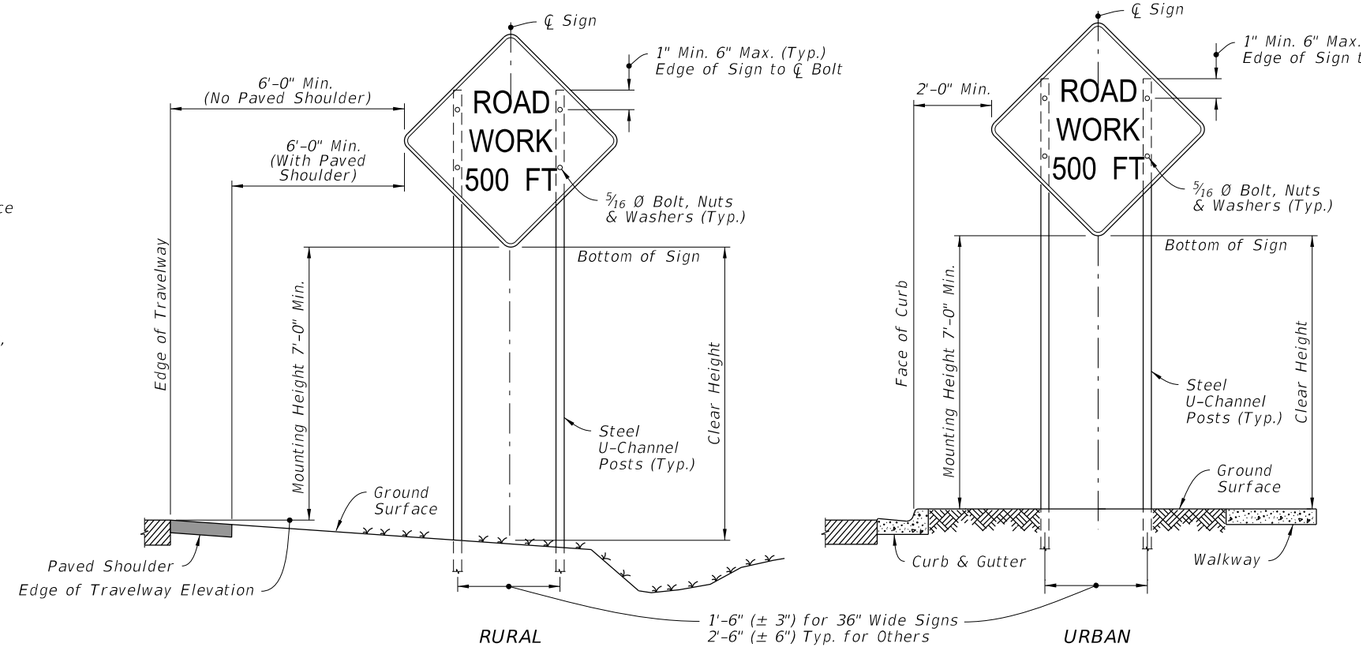
8. Sign attachment bolts, washers, nuts, and spacers shall conform with ASTM A307 or A 36.

9. Install 4 lb/ft Steel U-Channel Posts with approved breakaway splice in accordance with the manufacturer's detail shown on the APL.

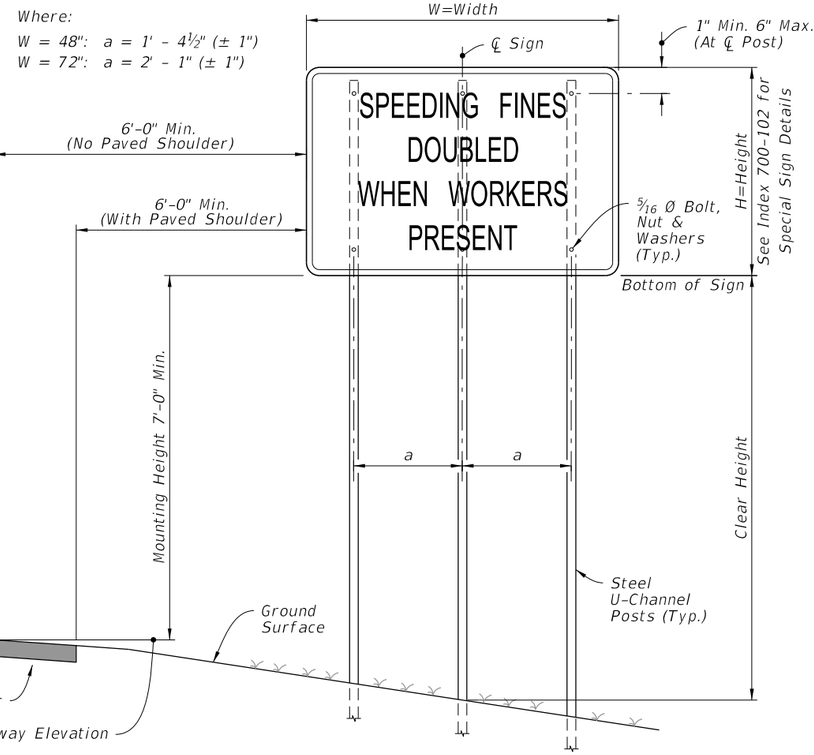
10. The contractor may install 3 lb/ft Steel U-Channel Posts with approved breakaway splice in accordance with the manufacturer's detail shown on the APL.

11. Install all posts plumb.

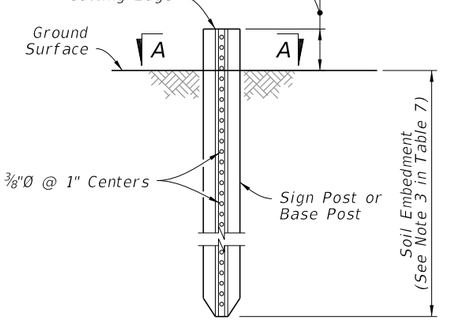
12. The contractor may set posts in preformed holes to the specified depth with suitable backfill tamped securely on all sides, or drive 3 lb/ft sign posts and any size base post in accordance with the manufacturer's detail shown on the APL.



2 POST SIGN SUPPORT MOUNTING DETAILS
(SINGLE POST SIMILAR)

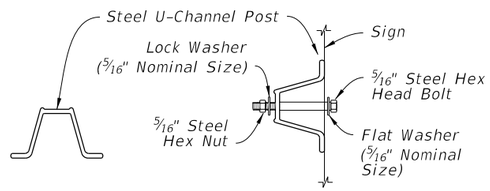


3 POST SIGN SUPPORT MOUNTING DETAILS



See APL for post, splice and connection details.
No bolts installed closer than 1" to cutting edge.

FOUNDATION DETAIL



SIGN ATTACHMENT DETAIL

TABLE 7
POST AND FOUNDATION TABLE FOR WORK ZONE SIGNS

SIGN SHAPE	SIGN SIZE (inches)	NUMBER OF STEEL U CHANNEL POSTS
Octagon	30x30	1
Triangle	36x36x36	1
	48x48x48	1
	60x60x60	2
Rectangle (W x H)	24x18	1
	24x30	1
	30x24	1
	36x18	1
	36x24	1
	48x18	1
	48x24	1
	36x48	2
	48x30	2
	48x36	2
	54x36	2
	48x60	3
	72x48	3
Square	30x30	1
	36x36	2
	48x48	2
Diamond	48x48	2
Circle	36Ø	2

Notes For Table:

1. Use 3 lb/ft posts for Clear Height up to 10' and 4 lb/ft posts for Clear Height up to 12'.
2. Minimum foundation depth is 4.0' for 3 lb/ft posts and 4.5' for 4 lb/ft posts.
3. For both 3 lb/ft and 4 lb/ft base or sign posts installed in rock, a minimum cumulative depth of 2' of rock layer is required.
4. The soil plate as shown on the APL vendor drawing is not required for base posts or sign posts installed in existing rock (as defined in Note 3), asphalt roadway, shoulder pavement or soil under sidewalk.
5. For diamond warning signs with supplement plaque (up to 5 ft^2 in area), use 4 lb/ft posts for up to 10 ft Clear Height (measure to the bottom of diamond warning sign).

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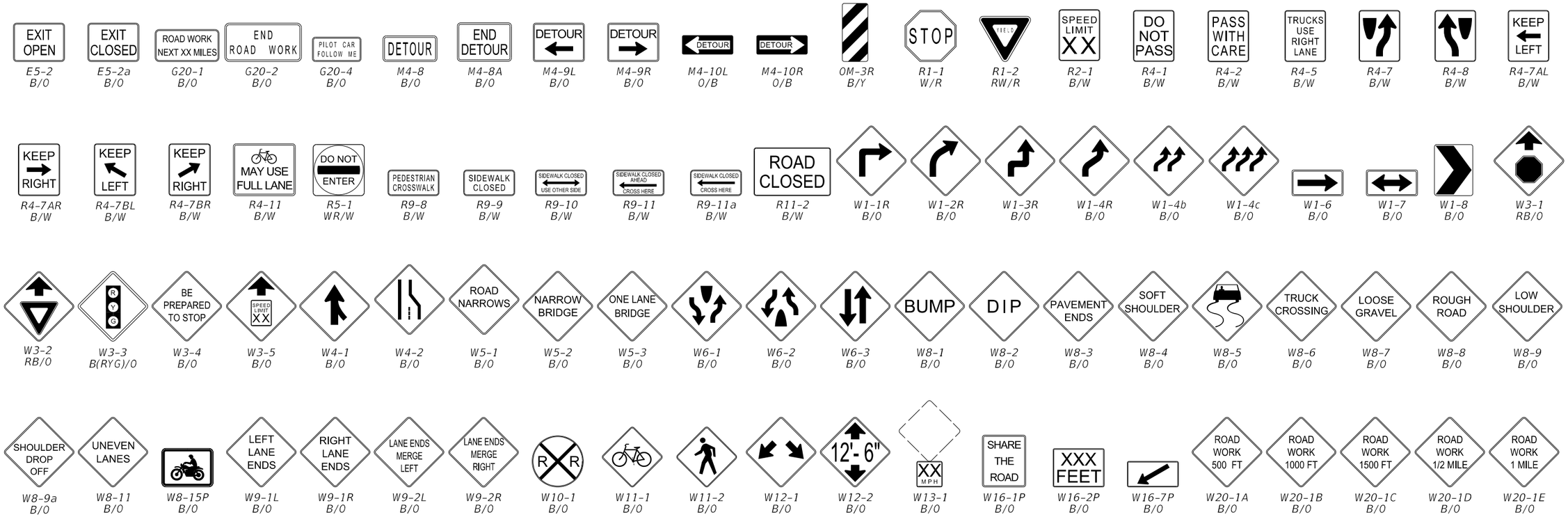
WORK ZONE SIGN SUPPORTS

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES	INDEX	SHEET
11/01/21					102-600	5 of 11



NOTES:

1. The size of diamond shaped Temporary Traffic Control (TTC) warning signs shall be a minimum of 48" X 48".
2. Fluorescent orange shall be used for all orange colored work zone signs.
3. The sign shields, symbols and messages contained on this sheet are provided for ready reference to those signs used in the development of the 102 Series of Indexes and are commonly used in the development of traffic control plans. For additional signs and sign detail information refer to the STANDARD HIGHWAY SIGNS MANUAL as specified in the MUTCD. Special signs for traffic control plans will be as approved by the State Traffic Plans Engineer.

   The sign codes shown on this sheet are for the purpose of identifying cell names found in the Traffic Control Cell Library (TCZ.Cel).

   The STANDARD HIGHWAY SIGNS MANUAL should be referenced for the official sign codes for use in the development of traffic control plans.

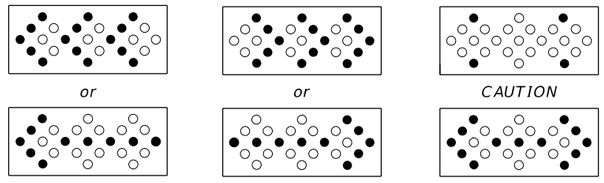
   See Index 700-102 for MOT sign details.

COLOR CODES:

Legend and/or
Symbol Background

R-Red (Reflectorized)
Y-Yellow (Reflectorized)
G-Green (Reflectorized)
O-Orange (Reflectorized)
B-Black (Non-Reflectorized)
W-White (Reflectorized)

COMMONLY USED WARNING AND REGULATORY SIGNS IN WORK ZONES



MODES

NOTES:

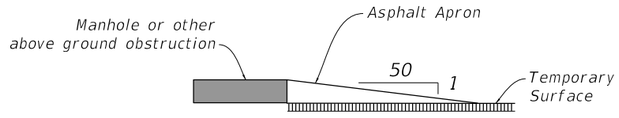
An arrow board in the arrow or chevron mode shall be used only for stationary or moving lane closures on multilane roadways.

For shoulder work, blocking the shoulder, for roadside work near the shoulder, or for temporarily closing one lane on a two-lane, two-way roadway, an arrow board shall be used only in the caution mode.

A single arrow board shall not be used to merge traffic laterally more than one lane. When arrow boards are used to close multiple lanes, a single board shall be used at the merging taper for each closed lane.

When Advance Warning Arrow Boards are used at night, the intensity of the flashers shall be reduced during darkness when lower intensities are desirable.

ADVANCE WARNING ARROW BOARDS



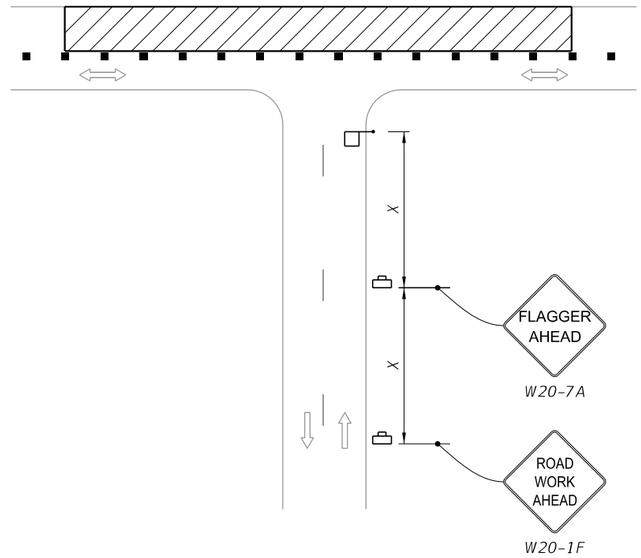
NOTES:

Manholes extending 1" or more above the travel lane and crosswalks having an uneven surface greater than ¼" shall have a temporary asphalt apron constructed as shown above.

All transverse joints that have a difference in elevation of 1" or more shall have a temporary asphalt apron constructed as shown above.

The apron is to be removed prior to constructing the next lift of asphalt. The cost of the temporary asphalt shall be included in the contract unit price for Maintenance of Traffic, LS.

MANHOLES/CROSSWALKS/JOINTS



NOTE:

Optionally, use "Flagger Ahead" sign with text (W20-7A) instead of "Flagger Ahead" sign with symbol (W20-7).

SIDE ROAD INTERSECTING THE WORK ZONE

SIGNALS:

Existing traffic signal operations that require modification in order to carry out work zone traffic control shall be included in the Plans and be approved by the District Traffic Operations Engineer.

Refer to Specification 102-9 for additional information.

CHANNELIZING DEVICES:

Channelizing devices for work zone traffic control shall be as prescribed in Part VI of the MUTCD, subject to supplemental revisions provided in the contract documents and the 102 Series of Indexes. Lighting Devices must not be used to supplement channelization. Omit tapers and channelizing devices for paved shoulders less than 4' in width.

CHANNELIZING DEVICE CONSISTENCY:

Barricades, vertical panels, cones, tubular markers and drums shall not be intermixed within either the lateral transition or within the tangent alignment.

TRUCK/TRAILER-MOUNTED ATTENUATORS:

Truck/Trailer-mounted attenuators (TMA) can be used for moving operations and short-term stationary operations. For moving operations, see Index 102-607. For short-term, stationary operations, see Part VI of the MUTCD.

DROP-OFF CONDITION NOTES

1. These conditions and treatments can be applied only in work areas that fall within a properly signed work zone.

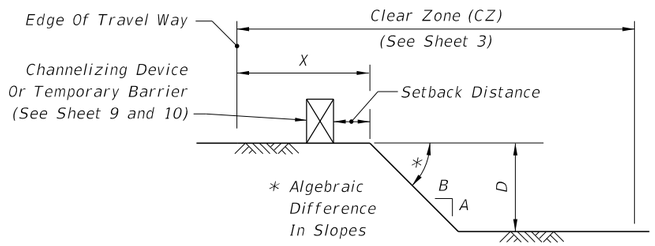
2. When drop-offs occur within the clear zone due to construction or maintenance activities, protection devices are required (See Table 8). A drop-off is defined as a drop in elevation, parallel to the adjacent travel lanes, greater than 3" with slope (A:B) steeper than 1:4. In superelevated sections, the algebraic difference in slopes should not exceed 0.25 (See Drop-off Condition Detail).

3. Drop-offs may be mitigated by placement of slopes with optional base material per Specifications Section 285. Slopes shallower than 1:4 may be required to avoid algebraic difference in slopes greater than 0.25. Include the cost for the placement and removal of the material in Maintenance of Traffic, LS. Use of this treatment in lieu of a temporary barrier is not eligible for CSIP consideration. Conduct daily inspections for deficiencies related to erosion, excessive slopes, rutting or other adverse conditions. Repair any deficiencies immediately.

4. For Setback Distance, refer to the Index or Approved Products List (APL) drawing of the selected barrier.

5. For Conditions 1 and 3 provided in Table 8, any drop-off condition that is created and restored within the same work period will not be subject to use of temporary barriers; however, channelizing devices will be required.

6. When permanent curb heights are ≥ 6", no channelizing device will be required. For curb heights < 6", see Table 8.



DROP-OFF CONDITION DETAIL

Table 8
Drop-off Protection Requirements

Condition	X (ft)	D (in.)	Device Required
1	0-12	> 3	Temporary Barrier
2	> 12-CZ	> 3 to ≤ 5	Channelizing Device
3	0-CZ	> 5	Temporary Barrier
4	Removal of Bridge or Retaining Wall Barrier		Temporary Barrier
5	Removal of portions of Bridge Deck		Temporary Barrier

TRAVEL LANE TREATMENT FOR MILLING OR RESURFACING NOTES

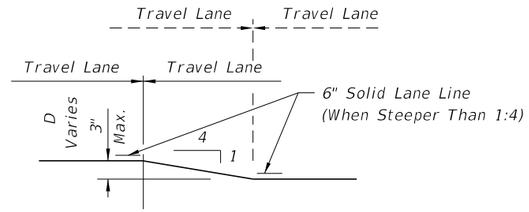
1. This treatment applies to resurfacing or milling operations between adjacent travel lanes.

2. Whenever there is a difference in elevation between adjacent travel lanes, the W8-11 sign with "UNEVEN LANES" is required at intervals of ½ mile maximum.

3. If D is 1½" or less, no treatment is required.

4. Treatment allowed only when D is 3" or less.

5. If the slope is steeper than 1:4 (not to be steeper than 1:1), the R4-1 and MOT-1-06 signs shall be used as a supplement to the W8-11; this condition should never exceed 3 miles in length.



TRAVEL LANE TREATMENT FOR MILLING OR RESURFACING DETAIL

PEDESTRIAN WAY DROP-OFF CONDITION NOTES

1. A pedestrian way drop-off is defined as:

   a. a drop in elevation greater than 10" that is closer than 2' from the edge of the pedestrian way

   b. a slope steeper than 1:2 that begins closer than 2' from the edge of the pedestrian way when the total drop-off is greater than 60"

2. Protect any drop-off adjacent to a pedestrian way with pedestrian longitudinal channelizing devices, temporary barrier wall, or approved handrail.

DROP-OFFS IN WORK ZONES

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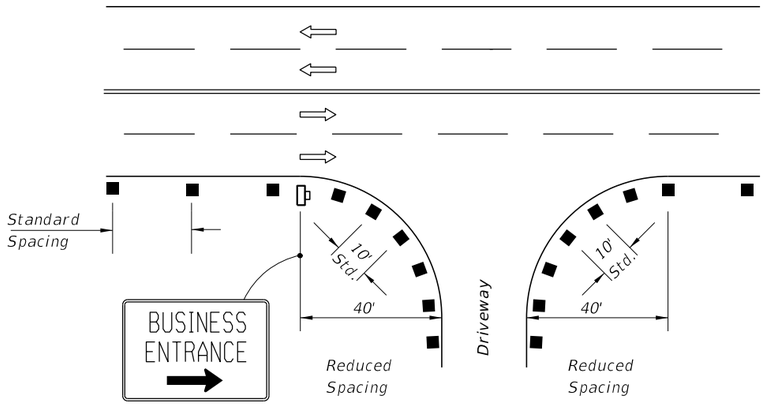


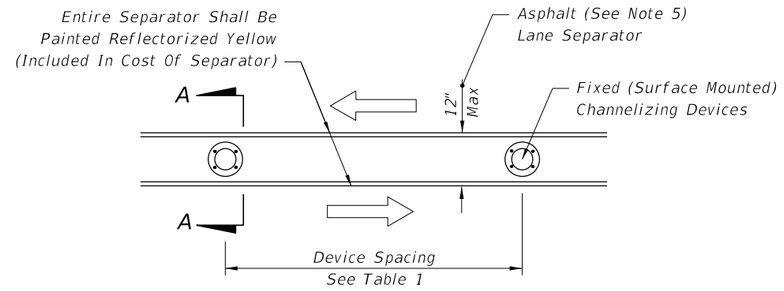
1. For single business entrances, place one 24" x 36" business sign for each driveway entrance affected. Signs shall show specific business names. Logos may be provided by business owners. Standard BUSINESS ENTRANCE sign in Index 700-102 may be used when approved by the Engineer.

2. When several businesses share a common driveway entrance, place one 24" x 36" standard BUSINESS ENTRANCE sign in accordance with Index 700-102 at the common driveway entrance.

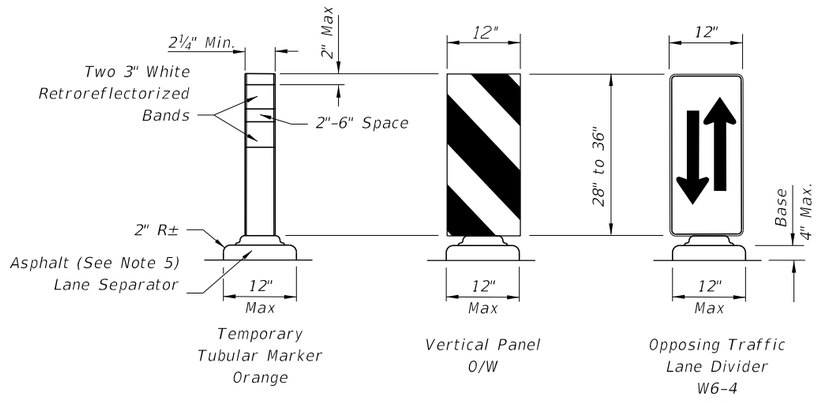
3. Channelizing devices shall be placed at a reduced spacing on each side of the driveway entrance, but shall not restrict sight distance for the driveway users.

4. Business entrance signs are intended to guide motorist to business entrances moved/modified or disturbed during construction projects. Business entrance signs are not required where there is minimal disruption to business driveways which is often the case with resurfacing type projects.

PLACEMENT OF BUSINESS ENTRANCE SIGNS AND CHANNELIZING DEVICES AT BUSINESS ENTRANCE



PLAN



FIXED (SURFACE MOUNTED)
CHANNELIZING DEVICES

SECTION A-A

1. Temporary lane separators shall be supplemented with any of the following approved fixed (surface mounted) channelizing devices: temporary tubular markers, vertical panels, or opposing traffic lane divider panels. Opposing traffic lane divider panels (W6-4) shall only be used as center lane dividers to separate opposing vehicular traffic on a two-lane, two-way operation. Temporary Tubular Markers, Vertical Panels and Opposing Traffic Lane Divider panels shall not be intermixed within the limits where the temporary lane separator is used. The connection between the channelizing device and the temporary lane separator curb shall hold the channelizing device in a vertical position.

2. Reflectorized materials shall have a smooth sealed outer surface which will display the same approximate color day and night. Furnish channelizing devices having retroreflective sheeting meeting the requirements of Section 990.

3. 12" openings for drainage shall be constructed in the asphalt and portable temporary lane separator at a maximum spacing of 25' in areas with grades of 1% or less or 50' in areas with grades over 1% as directed by the Engineer.

4. Tapered ends shall be used at the beginning and end of each run of the temporary lane separator to form a gradual increase in height from the pavement level to the top of the temporary lane separator.

5. The Contractor has the option of using portable temporary lane separators containing fixed channelizing devices in lieu of the temporary asphalt separator and channelizing devices detailed on this sheet. The portable temporary lane separator shall come in portable sections that can be connected to maintain continuous alignment between the separate curb sections. Each temporary lane separator section shall be 36 inches to 48 inches in total length. Portable temporary lane separators shall duplicate the color of the pavement marking. Portable temporary lane separators shall be one of those listed on the Approved Products List.

TEMPORARY LANE SEPARATOR

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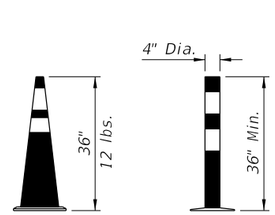
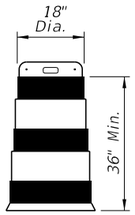
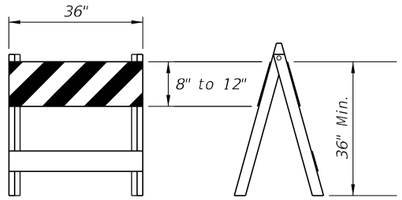


CONES

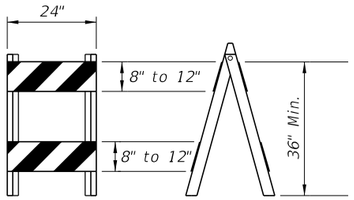
TEMPORARY TUBULAR MARKER



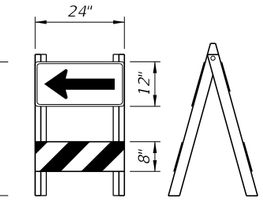
PLASTIC DRUMS



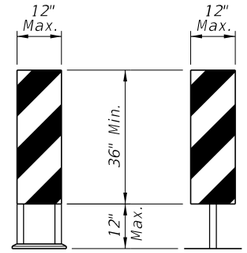
TYPE I BARRICADE



TYPE II BARRICADE

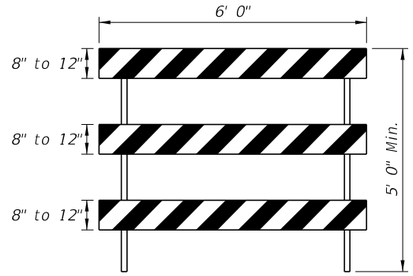


DIRECTION INDICATOR BARRICADE



A-FRAME POST MOUNT

VERTICAL PANEL



TYPE III BARRICADE

CHANNELIZING DEVICES

CHANNELIZING DEVICE NOTES:

1. The details shown on this sheet are for the following purposes:
   a. For ease of identification and
   b. To provide information that supplements or supersedes that provided by the MUTCD.

2. The Type III Barricade shall have a unit length of 6'-0" only. When barricades of greater lengths are required those lengths shall be in multiples of the 6'-0" unit.

3. No sign panel should be mounted on any channelizing device unless the channelizing device/sign combination was found to be crashworthy and the sign panel is mounted in accordance with the vendor drawing for the channelizing device shown on the Approved Products List (APL).

4. Ballast shall not be placed on top rails or any striped rails or higher than 13" above the driving surface.

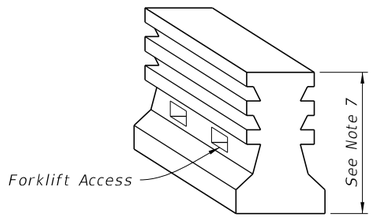
5. The direction indicator barricade may be used in tapers and transitions where specific directional guidance to drivers is necessary. If used, direction indicator barricades shall be used in series to direct the driver through the transition and into the intended travel lane.

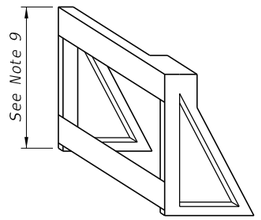
6. The splicing of sheeting is not permitted on channelizing devices or MOT signs.

7. For rails less than 3'-0" long, 4" stripes shall be used.

8. Cones shall:
   a. Be used only in active work zones where workers are present.
   b. Be reflectorized as per the MUTCD with Department-approved reflective collars when used at night.

9. For pedestrian longitudinal channelizing devices, the device shall have a minimum of 8" continuous detectable edging above the walkway. A gap not exceeding a height of 2" is allowed to facilitate drainage. The top surface of the device shall be a minimum height of 32" and have a ⅛" or less difference in any plane at all connection points between the devices to facilitate hand trailing. The bottom and the top surface of the device shall be in the same vertical plane. If pedestrian drop-off protection is required, the device shall have a footprint or offset of at least 2', otherwise the device must be at least 42" in height above the walkway and be anchored or ballasted to withstand a 200 lb lateral point load at the top of the device.





PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES

TEMPORARY BARRIER NOTES:

1. Where a barrier is specified, any of the types below may be used in accordance with the applicable Index:

Index	Description
102-100	Temporary Barrier
102-120	Low Profile Barrier
536-001	Guardrail

2. Trailer Mounted Barriers may be used to provide positive protection for workers within the work areas. APL drawings may be used as a guide to develop project specific Temporary Traffic Control Plans that are signed and sealed by the Contractor's Engineer.

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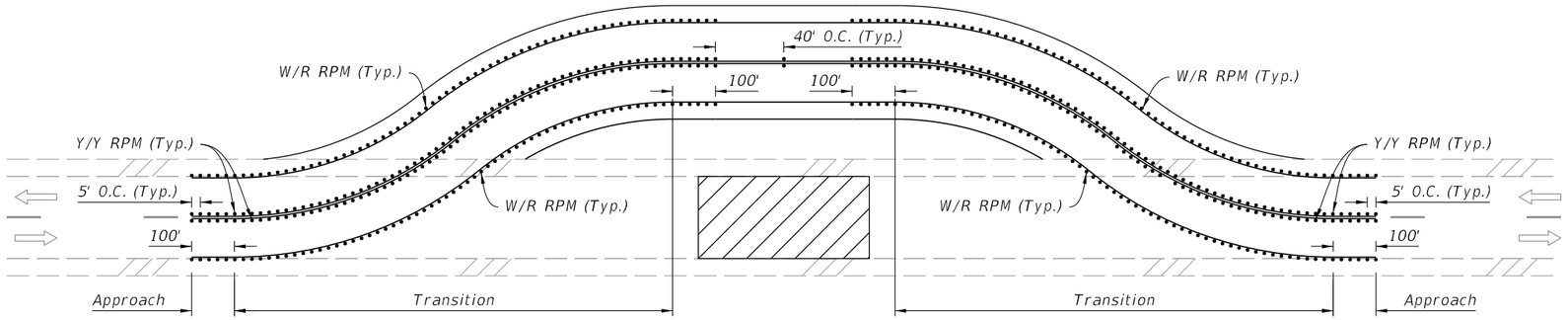
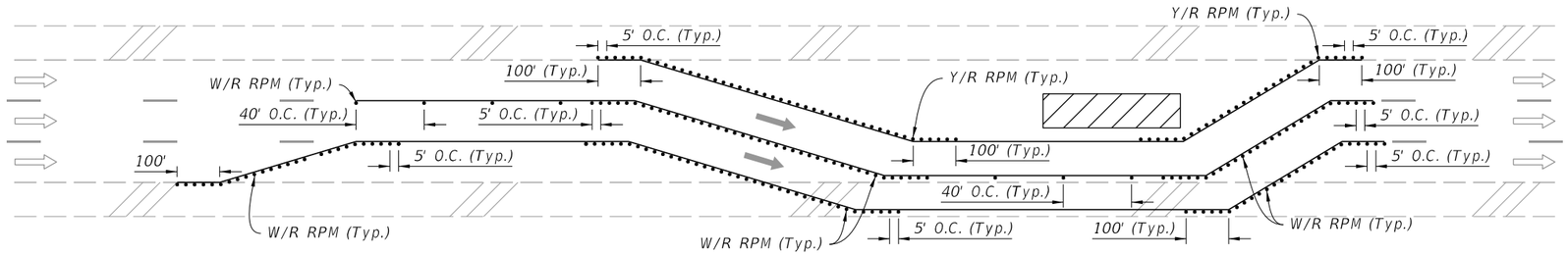


RPM PLACEMENT ON TWO-LANE ROADWAYS



RPM PLACEMENT ON MULTILANE ROADWAYS
(Lane Shift Shown, Other Multilane Typical Applications Similar)

RPM PLACEMENT IN WORK ZONES

NOTES:

1. Install RPMs as a supplement to:
   a. All lane lines
   b. Edge lines in transitions (e.g., merges, diversions, lane shifts)
   c. Edge lines of gore areas

2. Extend pavement marking and 5' RPM spacing by 100' in each direction for all transitions regardless of the line type.

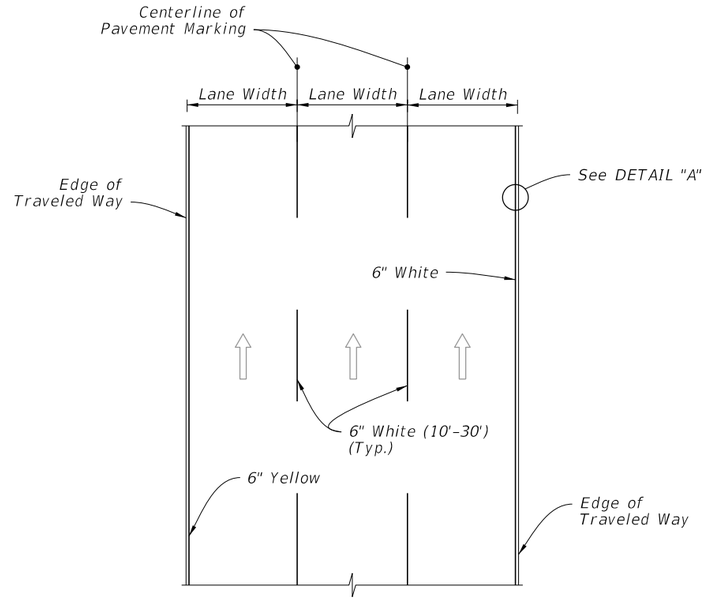
3. Place RPMs in accordance with this detail and Index 706-001.

SYMBOLS:

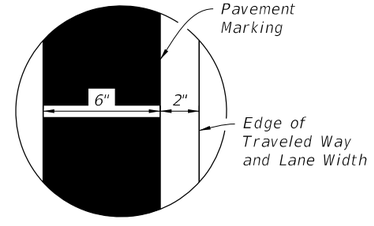
Work Area

Lane Identification and Direction of Traffic

PAVEMENT MARKINGS PLACEMENT



PLAN VIEW



DETAIL "A"

10/27/2022 7:36:11 AM

WORK ZONE PAVEMENT MARKINGS

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2023-24 STANDARD PLANS	GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES	102-600	11 of 11

NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.

2. Place pedestrian LCDs across the full width of the closed sidewalk.

3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.

4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.

5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

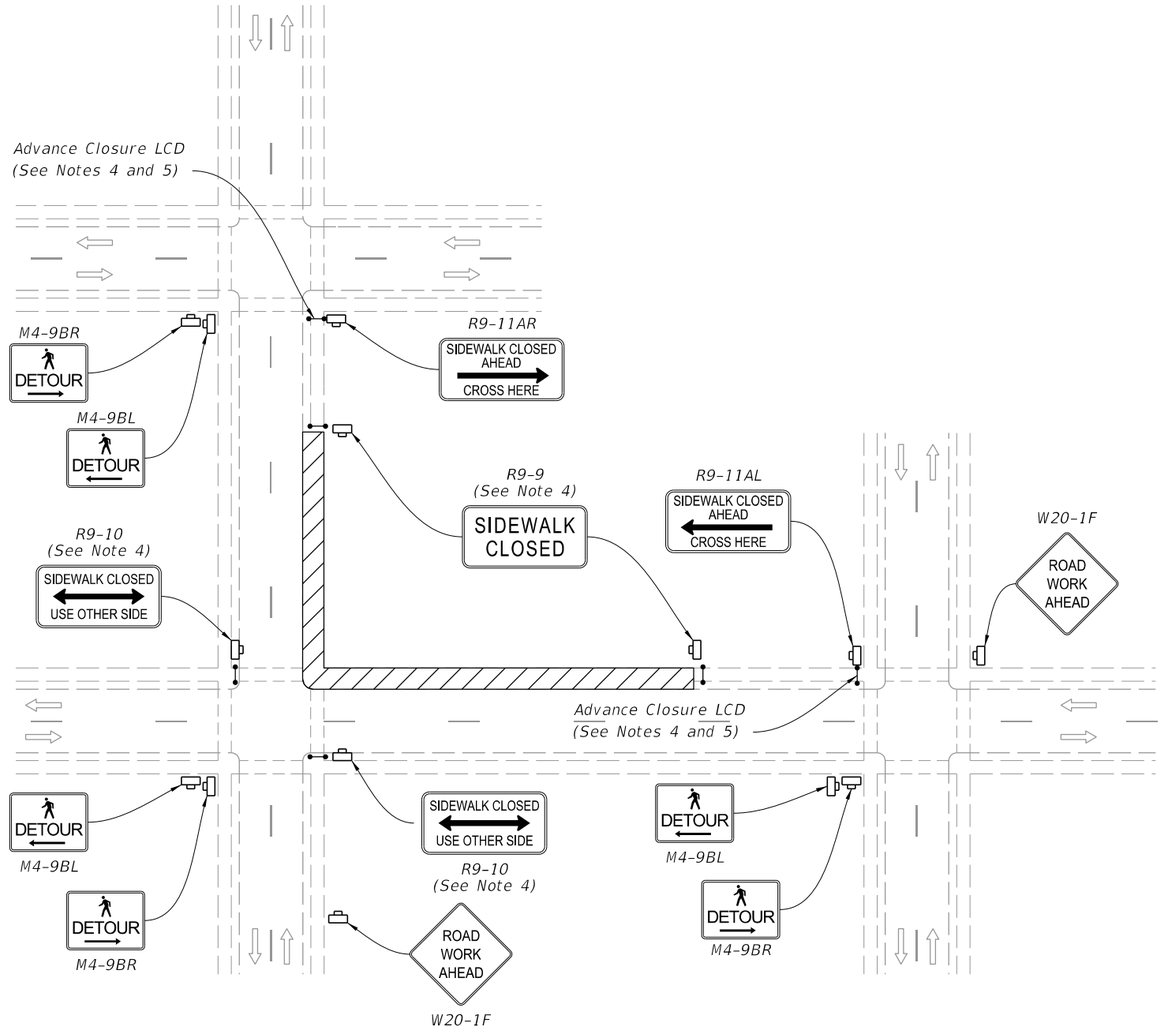
SYMBOLS:

Work Area

Work Zone Sign

Pedestrian Longitudinal Channelizing Device (LCD)

Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

10/6/2022 1:28:35 PM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2023-24 STANDARD PLANS	SIDEWALK CLOSURE	102-660	1 of 2

NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", channelizing device spacing values.

2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.

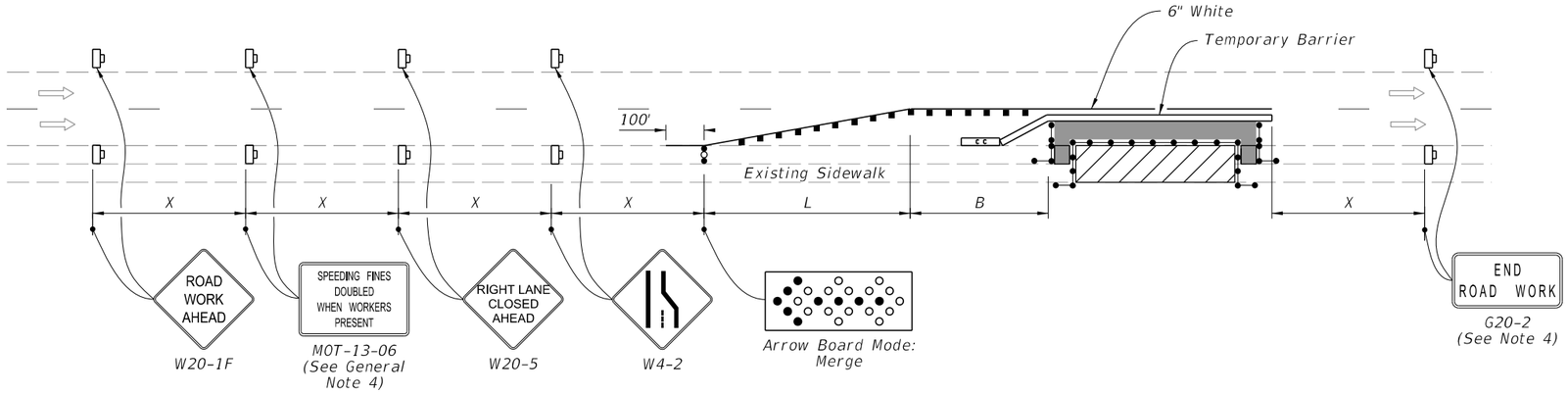
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.

4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.

5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

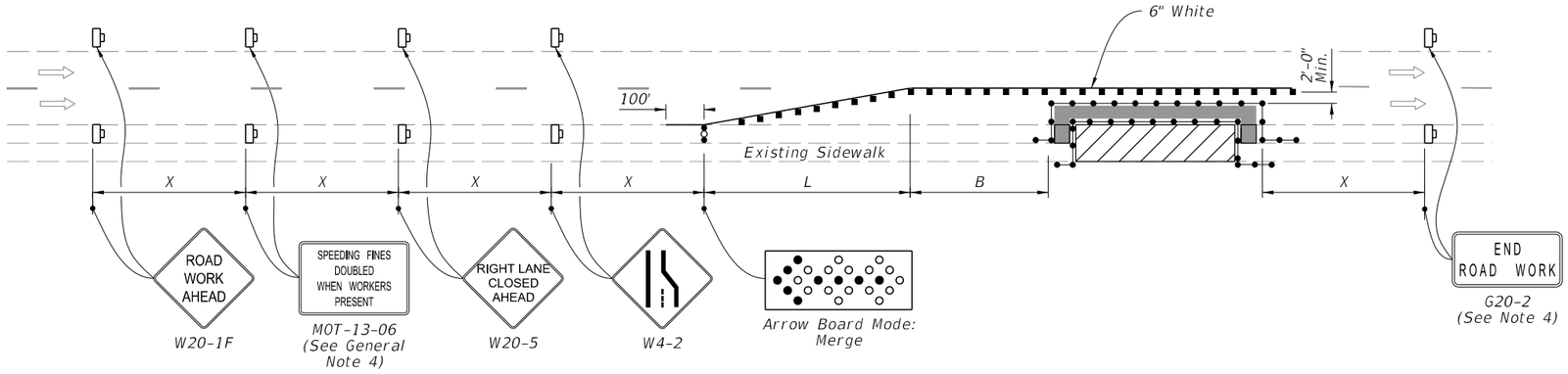
SYMBOLS:

- Work Area
- Temporary Pedestrian Way
- Channelizing Device (See Index 102-600)
- Pedestrian Longitudinal Channelizing Device (LCD)
- Work Zone Sign
- Arrow Board
- Crash Cushion
- Lane Identification and Direction of Traffic



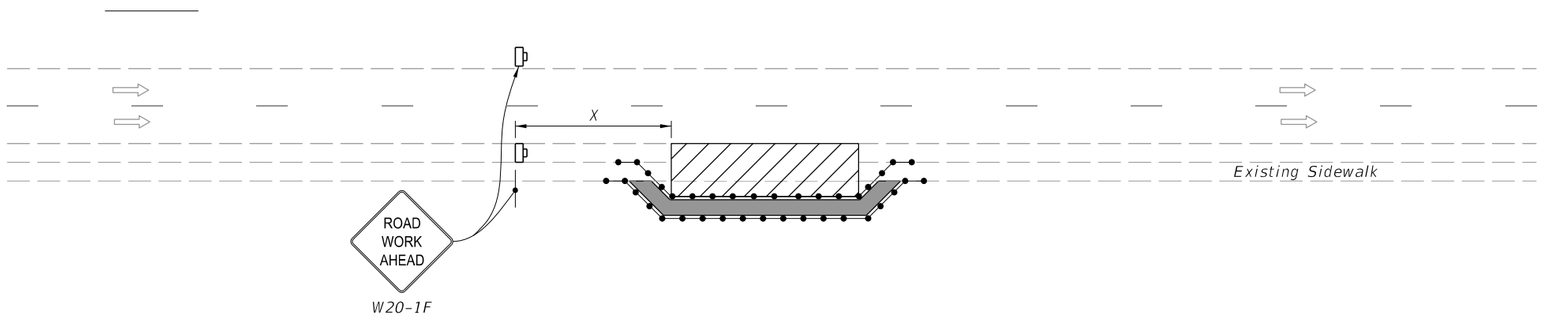
PEDESTRIAN DIVERSION - OPTION 1

(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2

(Work Zone Speed 35 mph or Less)



PEDESTRIAN SPECIAL DETOUR

2/21/2023 10:19:10 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2023-24 STANDARD PLANS	SIDEWALK CLOSURE	102-660	2 of 2

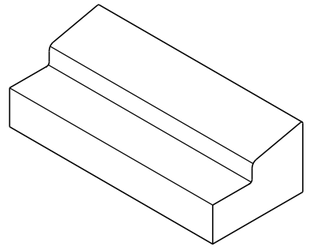
GENERAL NOTES:

1. For curb, gutter and curb & gutter provide ⅛" – ¼" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints, with intermediate joints not to exceed 10' centers.

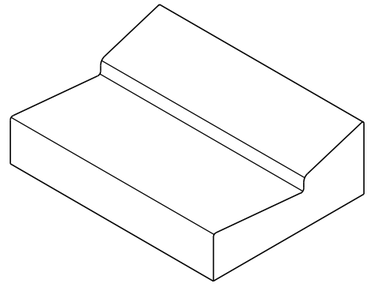
2. Locate expansion joints for curb, gutter and curb & gutter in accordance with Specification 520.

TABLE OF CONTENTS:

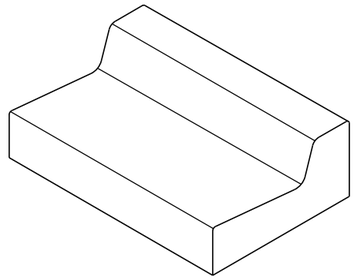
Sheet	Description
1	General Notes and Contents
2	Concrete Curb and Gutter
3	Curb and Gutter Joints and Endings, Concrete Bumper Guard, and Asphaltic Concrete Curb



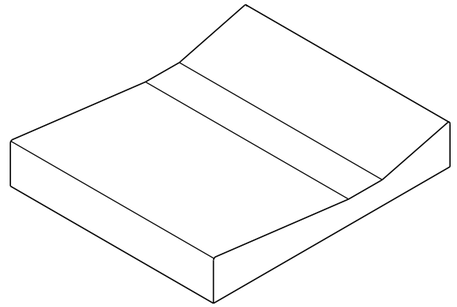
TYPE A



TYPE E

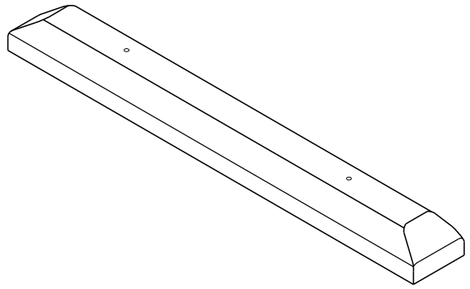


TYPE F



SHOULDER GUTTER

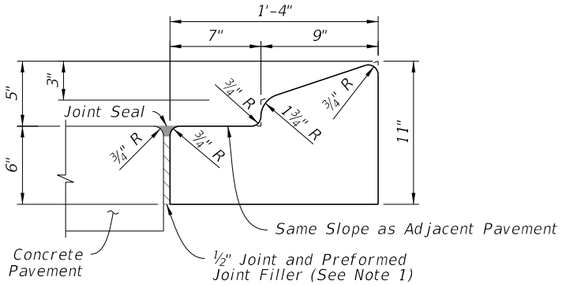
TYPE A, TYPE E, TYPE F, AND SHOULDER GUTTER
(Other Types Similar)



CONCRETE BUMPER GUARD

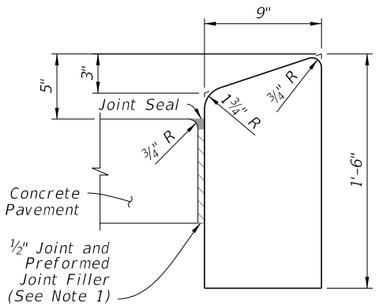
10/6/2022 2:06:40 PM

LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2023-24 STANDARD PLANS	CURB AND GUTTER	INDEX	SHEET
11/01/21					520-001	1 of 3



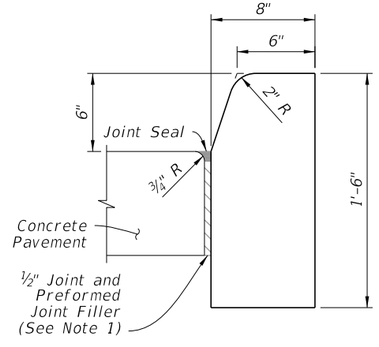
NOTE: For use adjacent to concrete or flexible pavement, concrete shown (See Note 4).

TYPE A



NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

TYPE B



NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

TYPE D

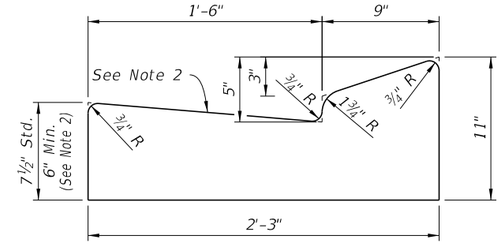
NOTES:

1. For Type A, Type B, and Type D Curb: Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 3.

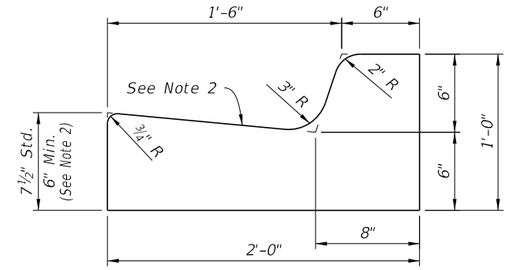
2. For Type E, Type F, Drop Curb, and Valley Gutter: When used on high side of roadways, match the cross slope of the gutter to the cross slope of the adjacent pavement. The thickness of the lip is 6", unless otherwise shown on Plans.

3. For Type RA, rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.

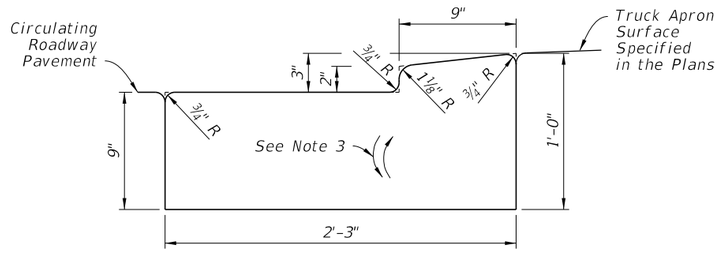
4. For details depicting usage of Type A Curb adjacent to flexible pavement see Sheet 3.



TYPE E

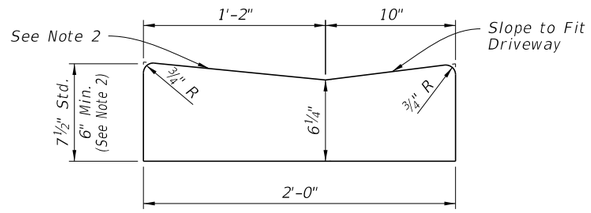


TYPE F

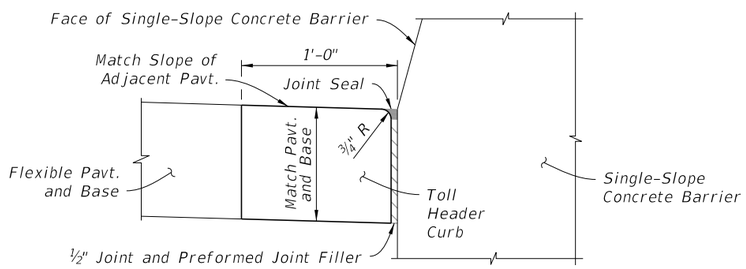


NOTE: Traffic Bearing Sections for use in Roundabout Central Island Construction.

TYPE RA

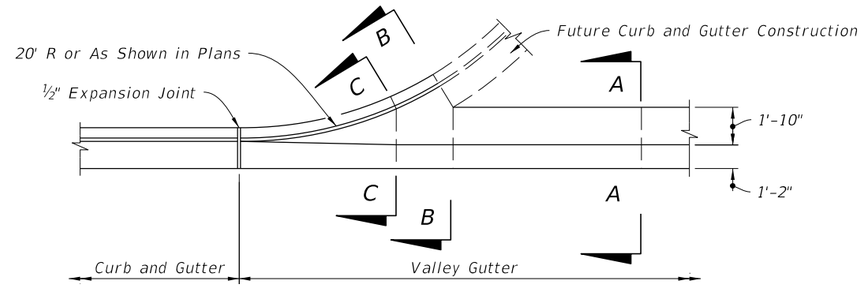


DROP CURB

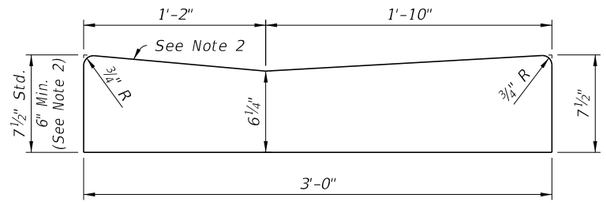


NOTE: See the toll site details for conduit requirements.

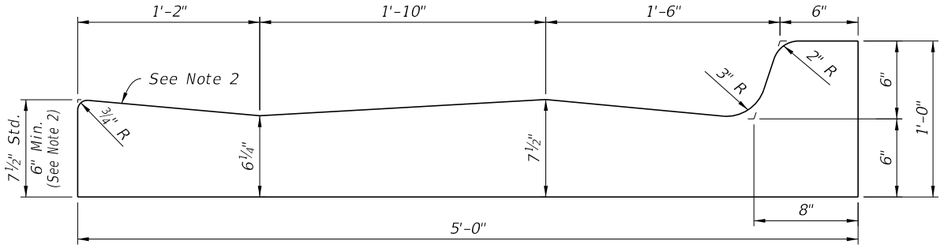
TOLL HEADER CURB



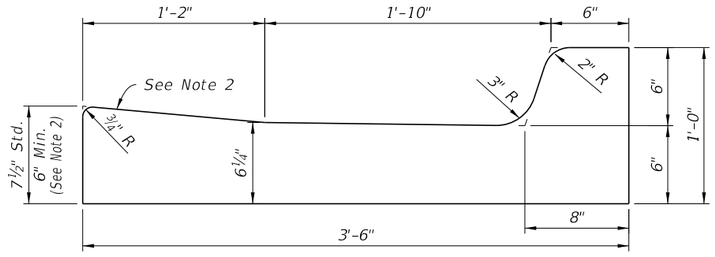
PLAN VIEW



SECTION A-A

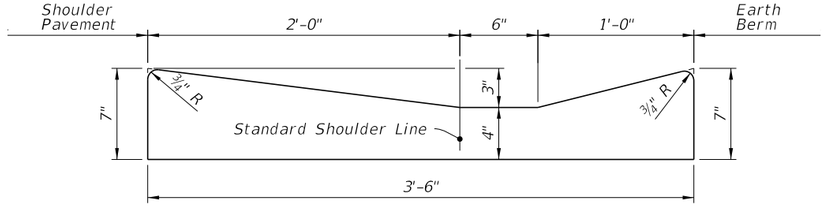


SECTION B-B



SECTION C-C

VALLEY GUTTER

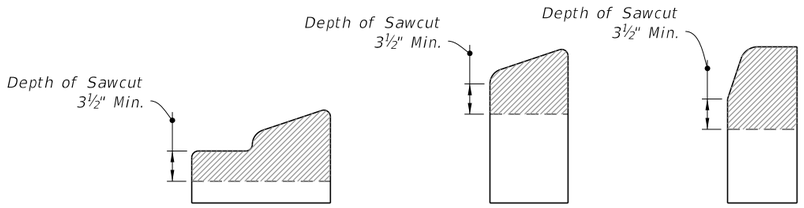


SHOULDER GUTTER

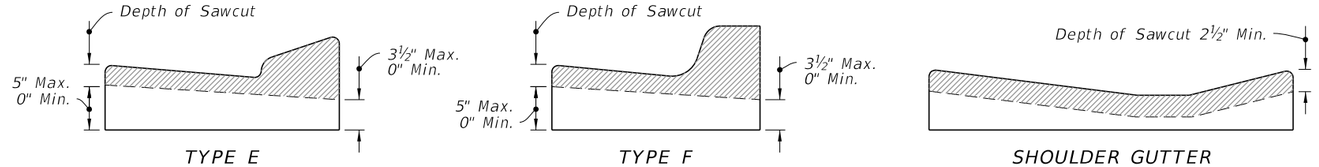
CONCRETE CURB AND GUTTER

2:06:40 PM
10/6/2022

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2023-24 STANDARD PLANS	CURB AND GUTTER	520-001	2 of 3



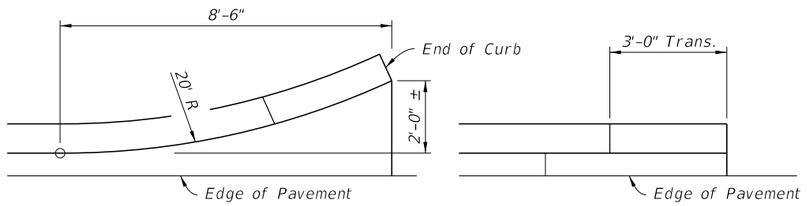
TYPE A TYPE B TYPE D



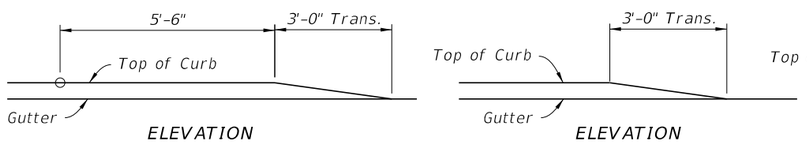
TYPE E TYPE F SHOULDER GUTTER

NOTE: Sawcuts should be avoided within valley gutter and within curb and gutter endings.

CONTRACTION JOINTS IN CURB



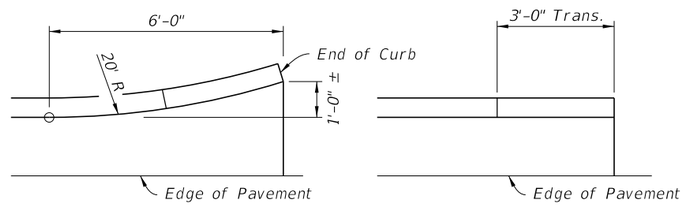
PLAN PLAN



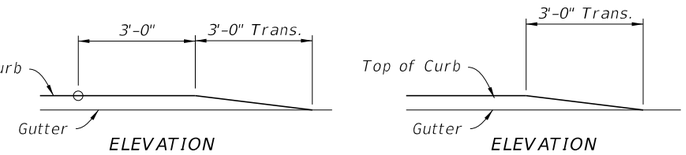
ELEVATION ELEVATION

FLARED END STRAIGHT END

CONTRACTION JOINTS IN CURB & GUTTER



PLAN PLAN



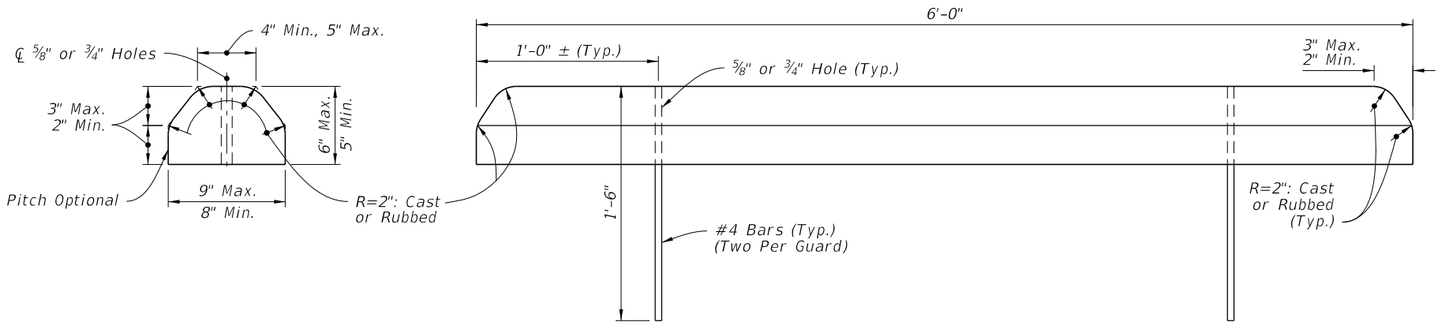
ELEVATION ELEVATION

FLARED END STRAIGHT END

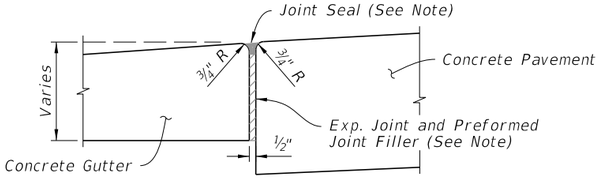
CURB TYPE A CURB AND GUTTER TYPE E AND TYPE F

NOTE: Ends of Type B and D Curb transition from full to zero heights in 3 ft.

CURB AND CURB & GUTTER ENDINGS

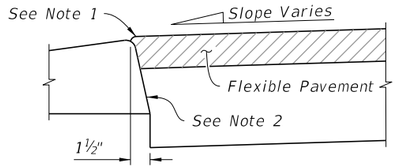


CONCRETE BUMPER GUARD



NOTE: Joint Seal application applies to both high and low sides of pavement, low side shown.

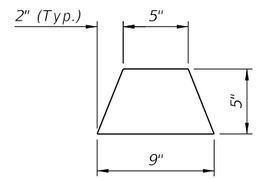
EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT



NOTES:

1. Surface on Low Side of Pavement to be ¼" Above Lip of Gutter. Surface on High Side to be Flush With Lip of Curb or Curb & Gutter.
2. Applies to both high and low sides of pavement, low side shown. Applies to shoulder gutter only where adjoining traffic lanes.

CURB AND GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT



ASPHALTIC CONCRETE CURB

CURB AND GUTTER JOINTS AND ENDINGS, CONCRETE BUMPER GUARD, AND ASPHALTIC CONCRETE CURB

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FDOT FY 2023-24 STANDARD PLANS	CURB AND GUTTER	520-001	3 of 3

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GENERAL NOTES:

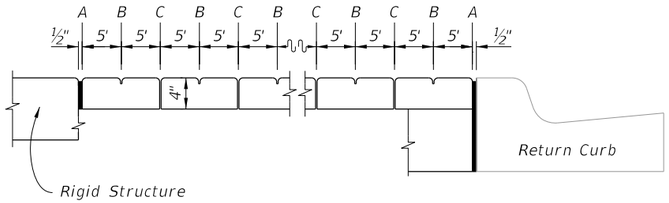
1. Construct sidewalks in accordance with Specification 522. Use 6" concrete for Sidewalks and Curb Ramps Located within Curb Returns (See Plan View). Install all other concrete with thickness as shown, unless otherwise detailed in the Plans.

2. Include detectable warnings on sidewalk curb ramps in accordance with Index 522-002.

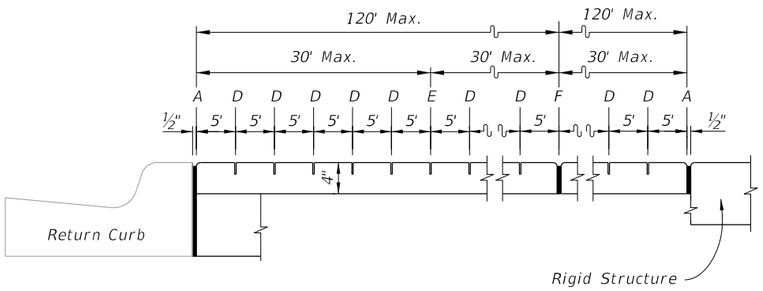
3. For Driveways see Index 522-003.

4. Bond breaker material can be any impermeable coated or sheet membrane or preformed material having a thickness of not less than 6 mils and not more than ½".

5. Construct sidewalks with Edge Beam through the limits of any surface mounted Pedestrian/Bicycle Railing or Pipe Guiderail shown in the plans. (See RAILING DETAIL)



OPEN JOINTS



SAWED JOINTS

LONGITUDINAL SECTION

LEGEND:

A- ½" Expansion Joints (Preformed Joint Filler) between the sidewalk and; driveways, sidewalk-intersections, and all other fixed objects (e.g. drainage inlets and utility poles).

B- ⅛" Dummy Joints, Tooled

C- ⅛" Formed Open Joints

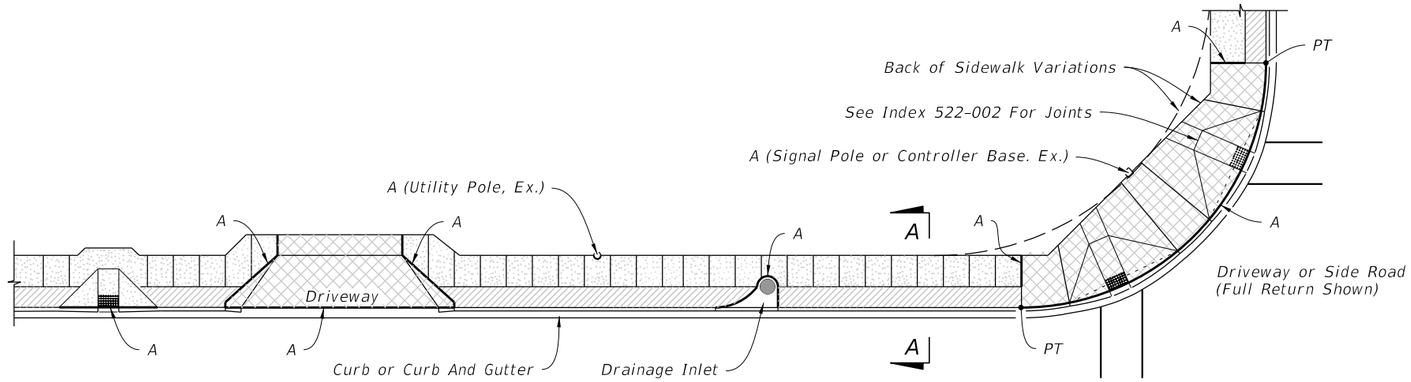
D- 3/16" Saw Cut Joints, 1½" Deep (within 96 hours) Max. 5' Centers

E- 3/16" Saw Cut Joints, 1½" Deep (within 12 hours) Max. 30' Centers Joint(s) Required When Length Exceeds 30'

F- ½" Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at locations as directed by the Engineer.

G- Cold Joint With Bond Breaker, Tooled

SIDEWALK JOINTS

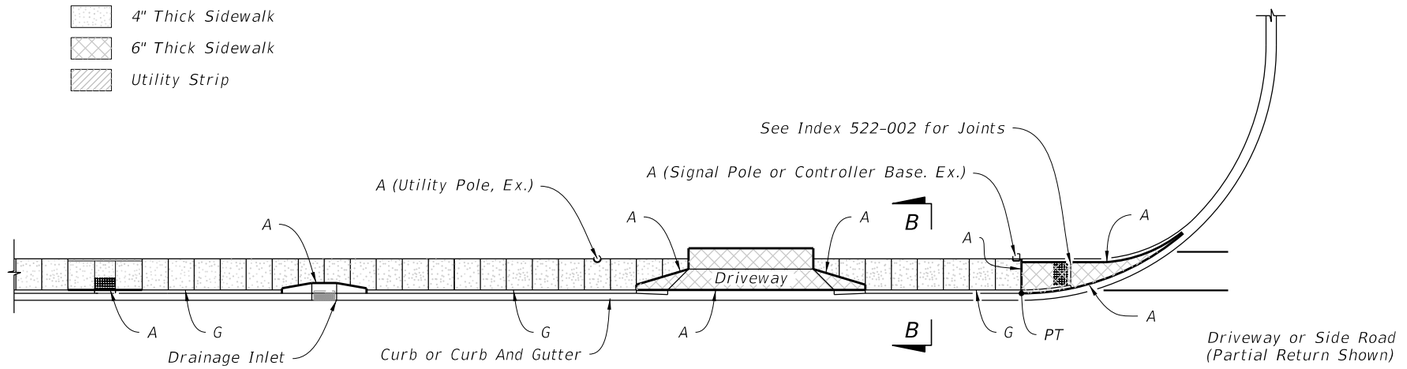


PLAN

SIDEWALK WITH UTILITY STRIP

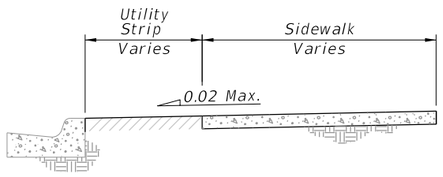
LEGEND:

- 4" Thick Sidewalk
- 6" Thick Sidewalk
- Utility Strip

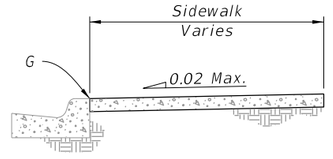


PLAN

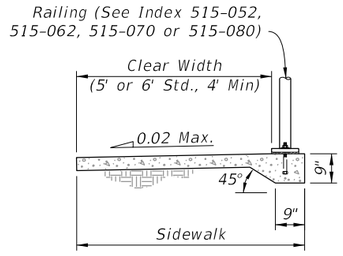
SIDEWALK WITHOUT UTILITY STRIP



SECTION A-A



SECTION B-B



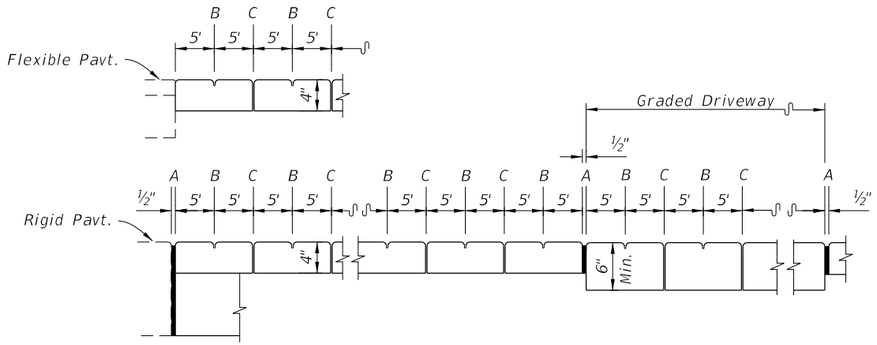
Varies Based on Railing Used

RAILING DETAIL

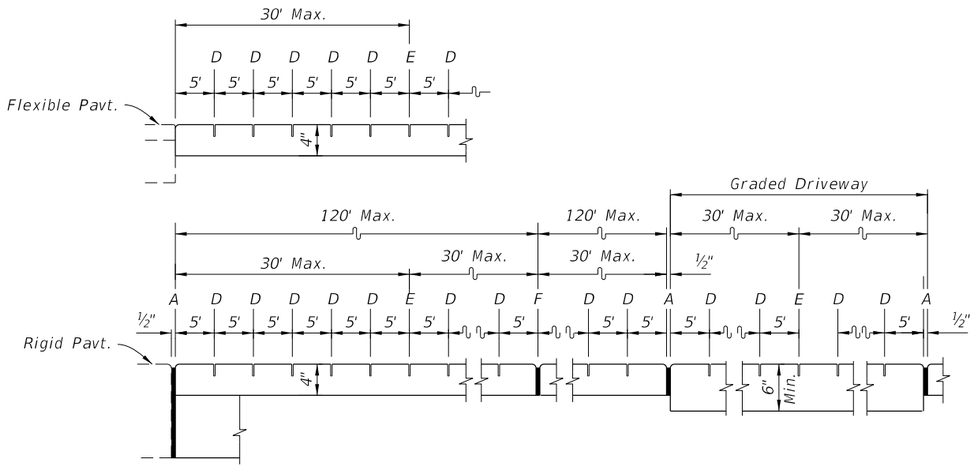
GENERAL NOTES AND CONCRETE SIDEWALK ON CURBED ROADWAYS

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	CONCRETE SIDEWALK	INDEX	SHEET
11/01/18					522-001	1 of 2

10/6/2022 2:14:14 PM



OPEN JOINTS



SAWED JOINTS

LONGITUDINAL SECTION

LEGEND:

A- ½" Expansion Joints (Preformed Joint Filler) between the sidewalk and driveways, sidewalk-intersections, and all other fixed objects (e.g. drainage inlets and utility poles).

B- ⅛" Dummy Joints, Tooled

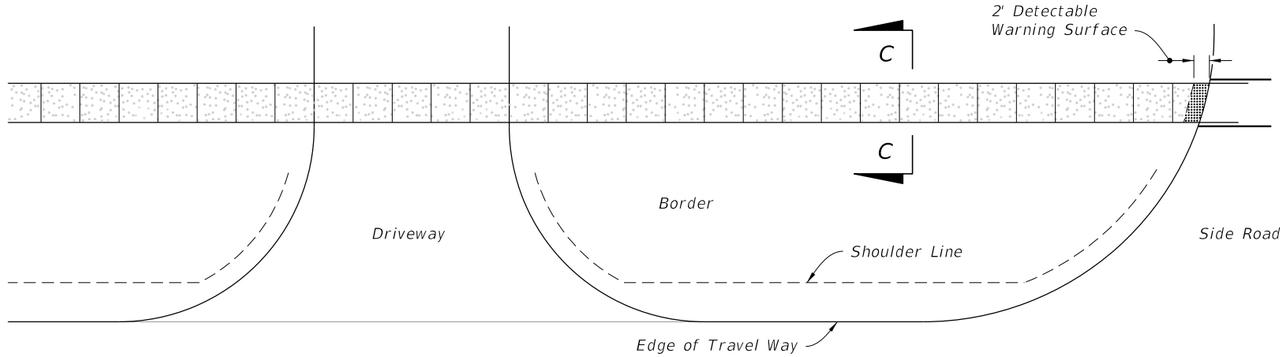
C- ⅛" Formed Open Joints

D- 3/16" Saw Cut Joints, 1½" Deep (within 96 hours) Max. 5' Centers

E- 3/16" Saw Cut Joints, 1½" Deep (within 12 hours) Max. 30' Centers Joint(s) Required When Length Exceeds 30'

F- ½" Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at locations as directed by the Engineer.

SIDEWALK JOINTS

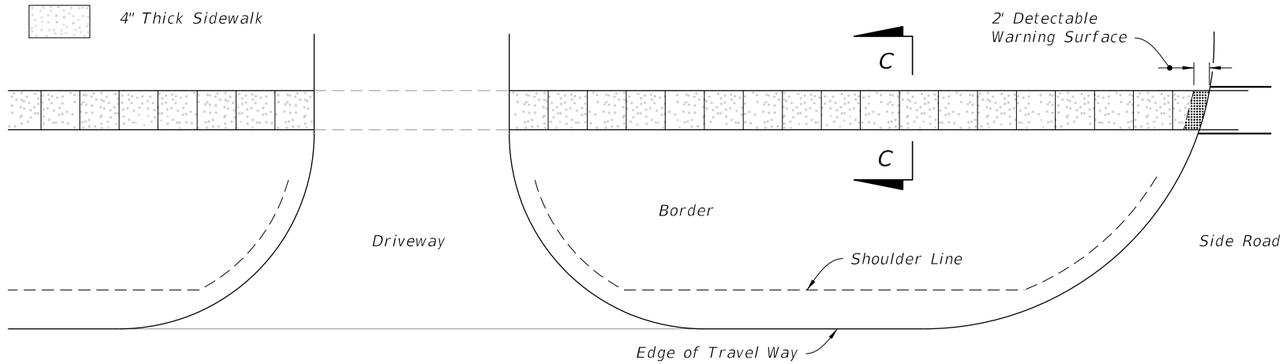


PLAN

CONTINUOUS SIDEWALK

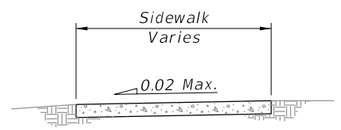
LEGEND:

4" Thick Sidewalk



PLAN

DISCONTINUOUS SIDEWALK



SECTION C-C

CONCRETE SIDEWALK ON FLUSH SHOULDER ROADWAYS

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/18			FY 2023-24 STANDARD PLANS	CONCRETE SIDEWALK	522-001	2 of 2

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GENERAL NOTES:

1. Cross Slopes and Grades:

   A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.

   B. Landings must have cross-slopes less than or equal to 0.02 in any direction.

   C. Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.

   D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.

2. Curb, Curb and Gutter and/or Sidewalk:

   A. Refer to Index 522-001 for concrete thickness and sidewalk details.

   B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.

   C. Width of Curb Ramp is 4'-0" minimum. Match sidewalk or Shared Use Path width as shown in the Plans.

3. Curb Ramp Alpha-Identification:

   A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.

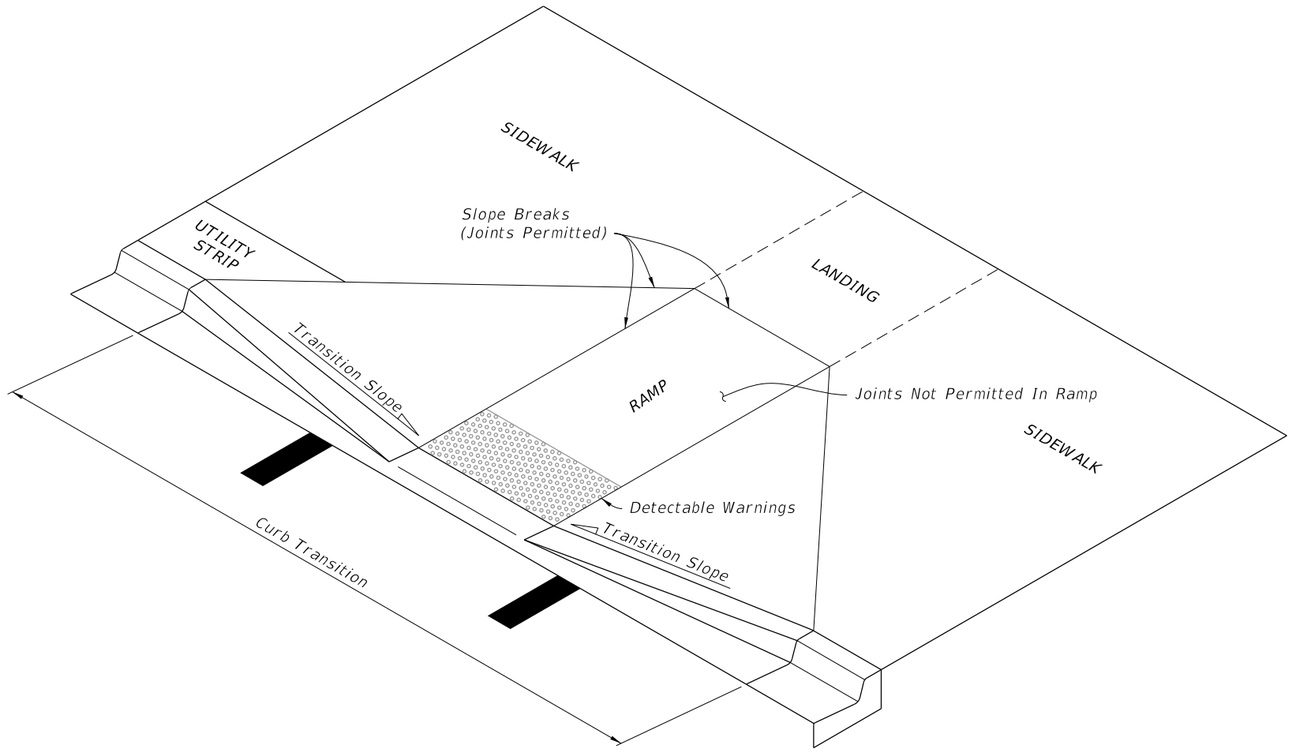
   B. Alpha-identifications CR-I and CR-J are intentionally omitted.

4. Detectable Warnings:

   A. Install detectable warnings in accordance with Specification 527.

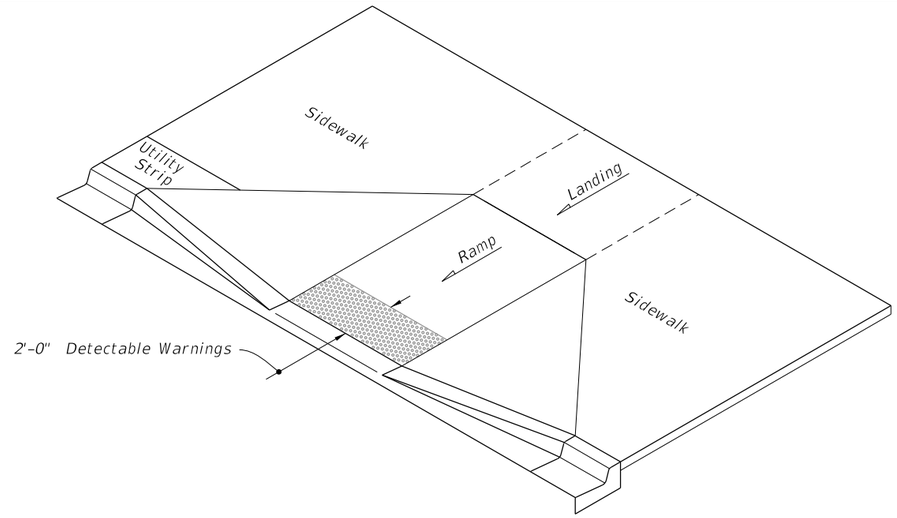
   B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.

   C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.

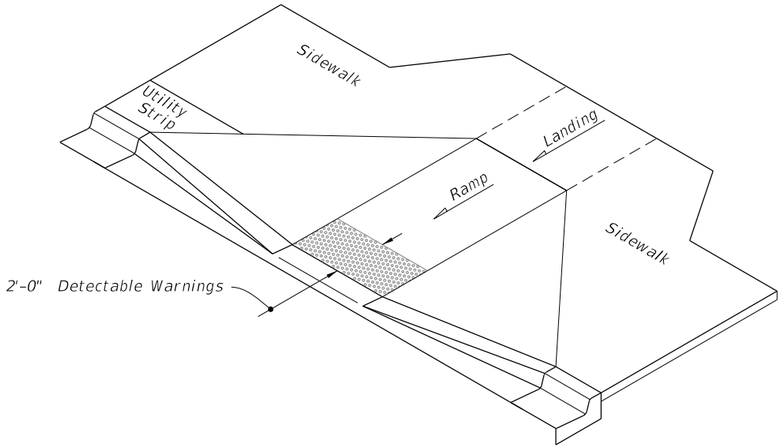


CURB RAMP NOMENCLATURE

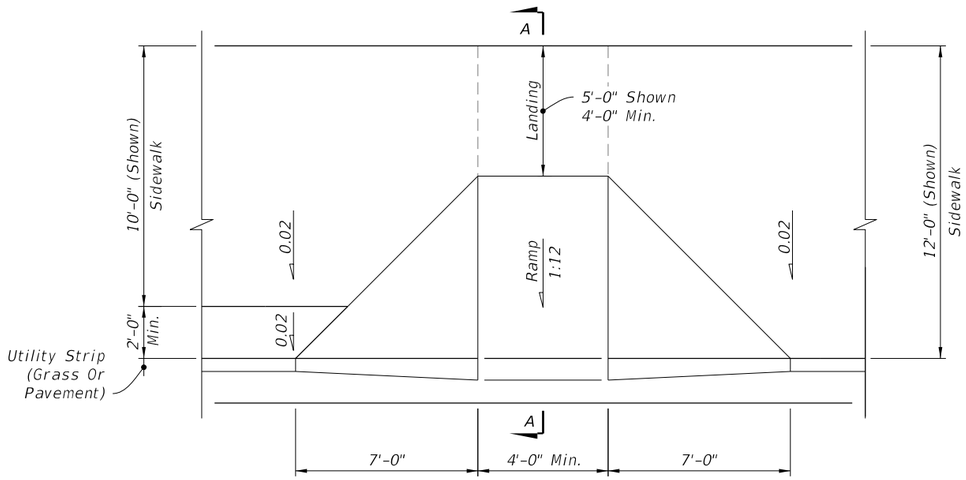
10/6/2022 2:15:08 PM



ISOMETRIC VIEW



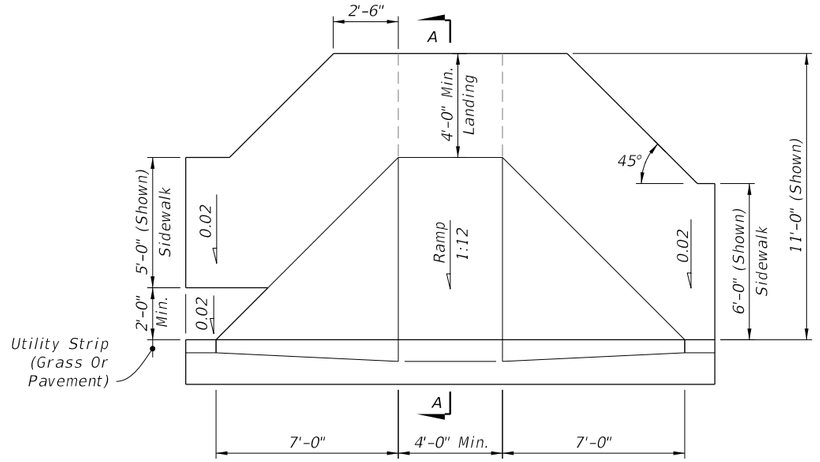
ISOMETRIC VIEW



PLAN VIEW

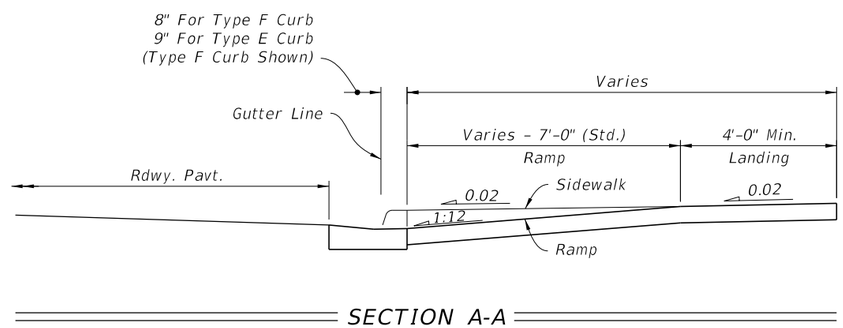
NOTE: For Example of CR-A used in Radial Curb Returns, See Sheet 7.

CR-A



PLAN VIEW

CR-B

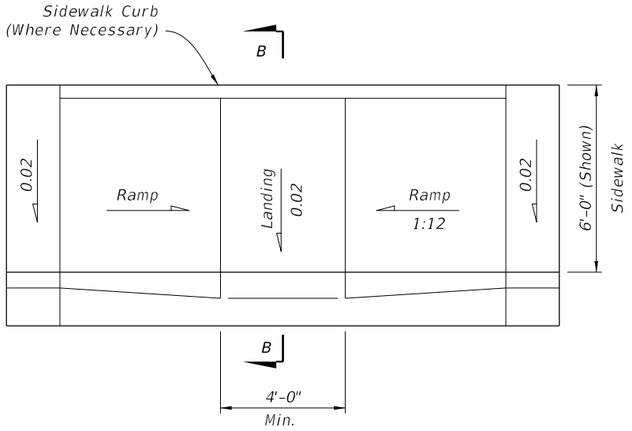


SECTION A-A

SIDEWALK CURB RAMPS CR-A AND CR-B

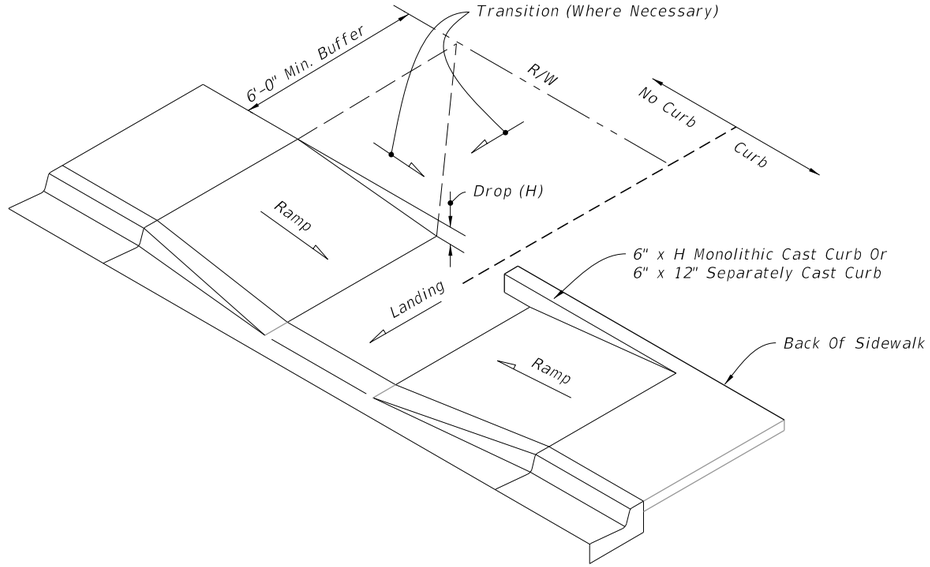
5/24/2024 9:21:10 AM

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX	SHEET
11/01/20					522-002	2 of 7

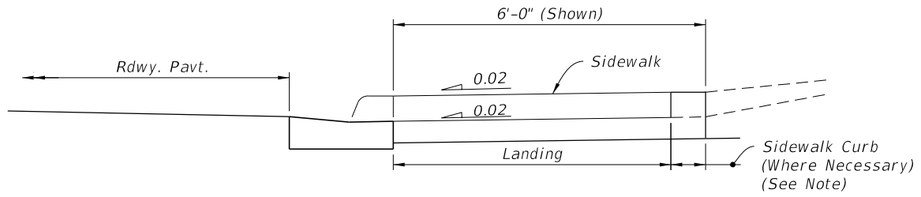


PLAN VIEW

CR-C

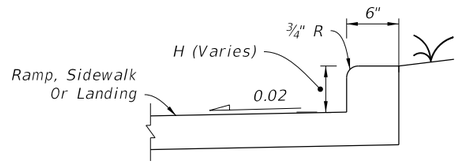


CONSTRUCTION OF SIDEWALK CURB IN CUT SECTIONS

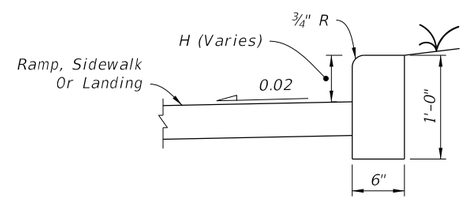


NOTE: For additional information on sidewalk curb construction, see SIDEWALK CURB OPTIONS details.

SECTION B-B



MONOLITHIC CAST CURB



SEPARATELY CAST CURB

SIDEWALK CURB OPTIONS

SIDEWALK CURB RAMPS CR-C AND SIDEWALK CURB

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	522-002	3 of 7

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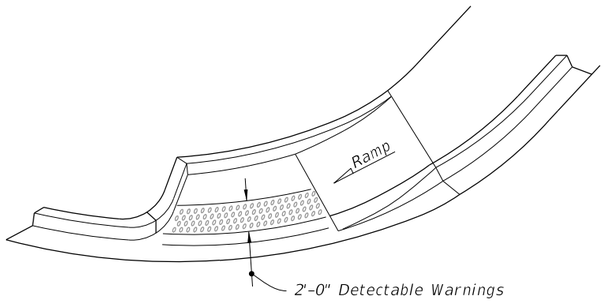

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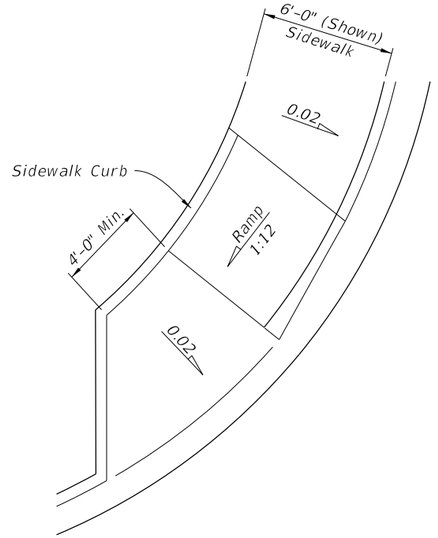
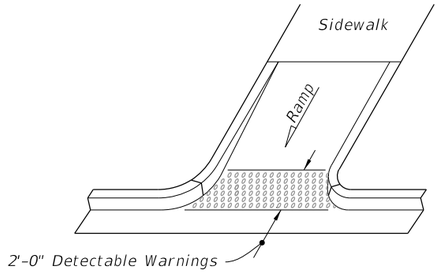
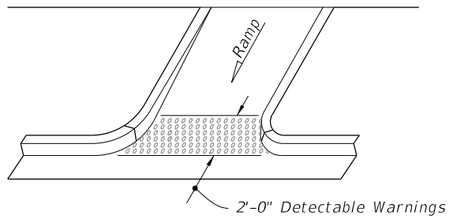


PLAN VIEW

CR-D

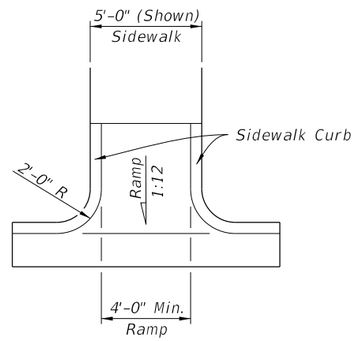


OPTION A



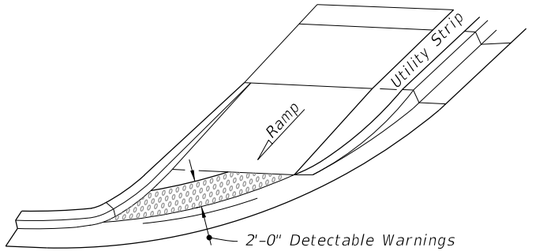
OPTION B

ISOMETRIC VIEW



PLAN VIEW

CR-E



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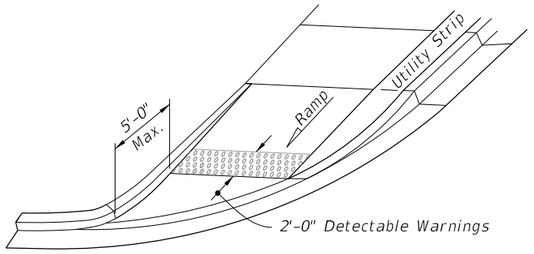

OPTION B

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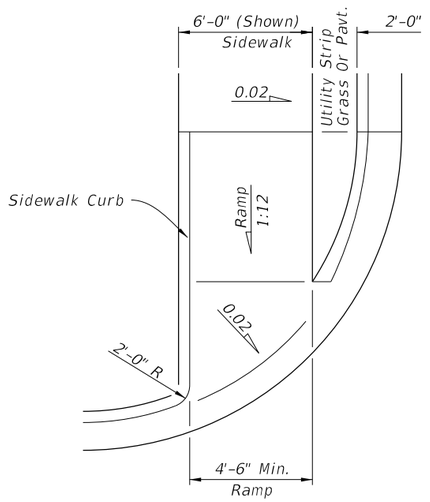
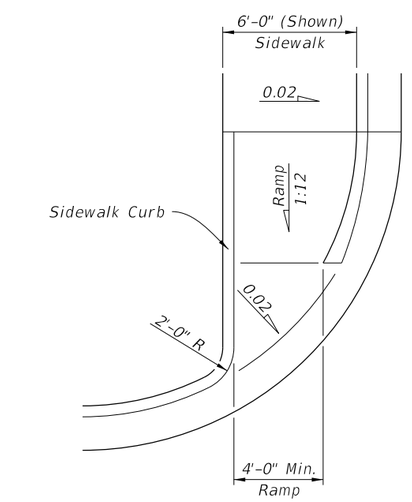


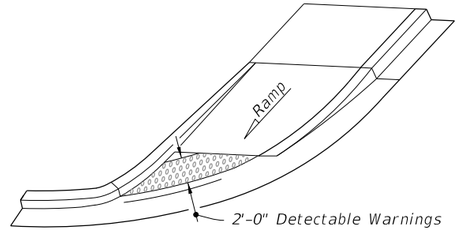
PLAN VIEW

CR-F



PLAN VIEW

CR-G



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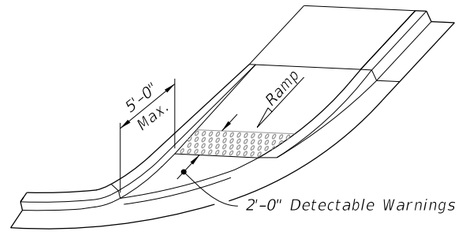


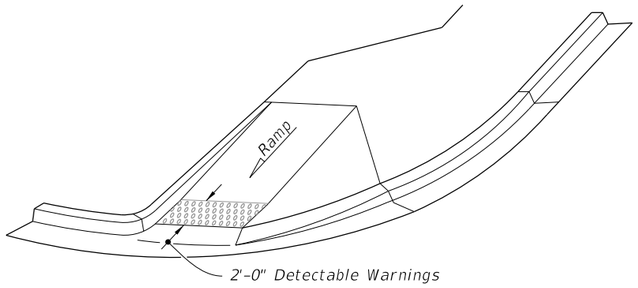
OPTION B

ISOMETRIC VIEW

10/6/2022 2:15:10 PM

SIDEWALK CURB RAMPS CR-D, CR-E, CR-F & CR-G

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX	SHEET
11/01/21					522-002	4 of 7



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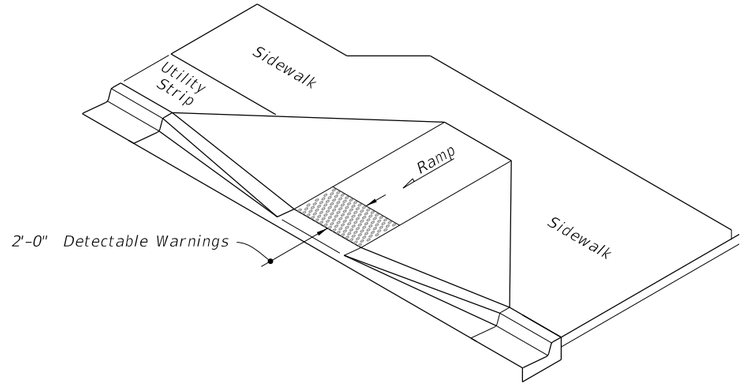

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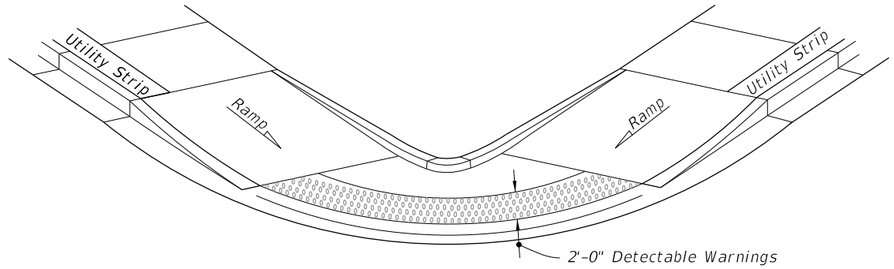

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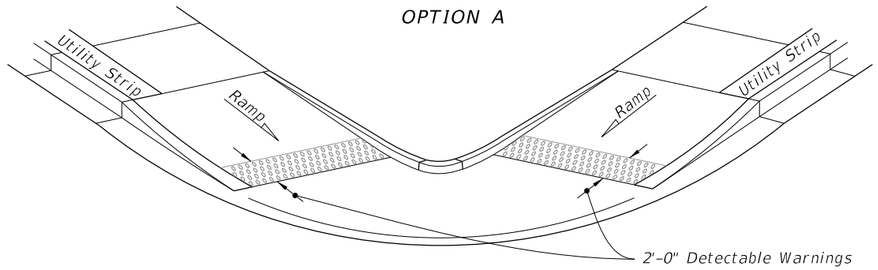
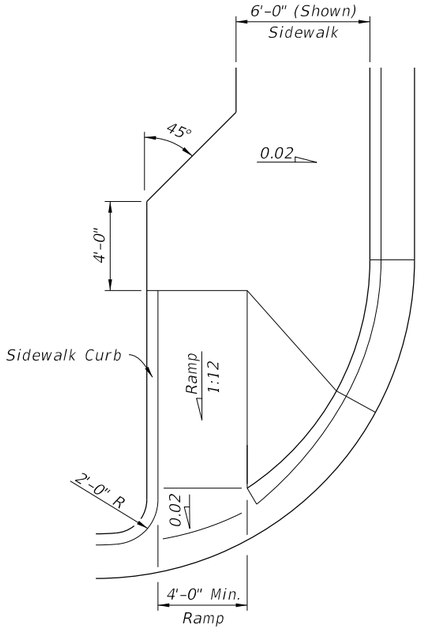


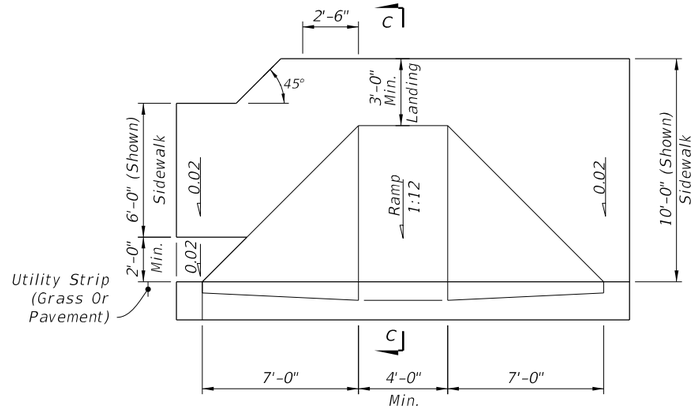
OPTION B

ISOMETRIC VIEW



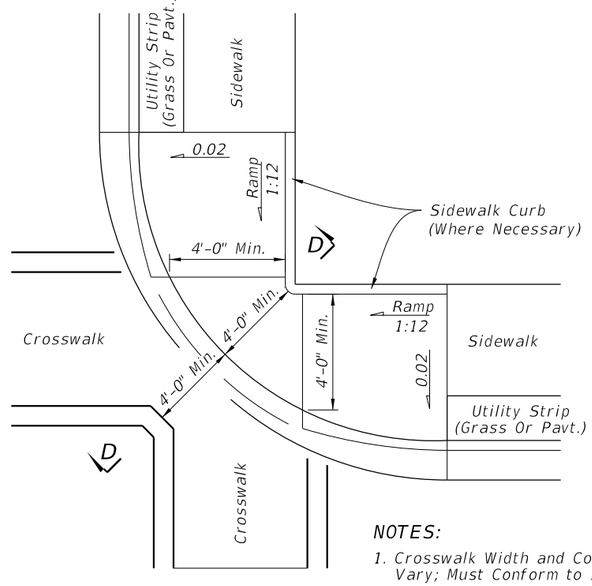
PLAN VIEW

CR-H



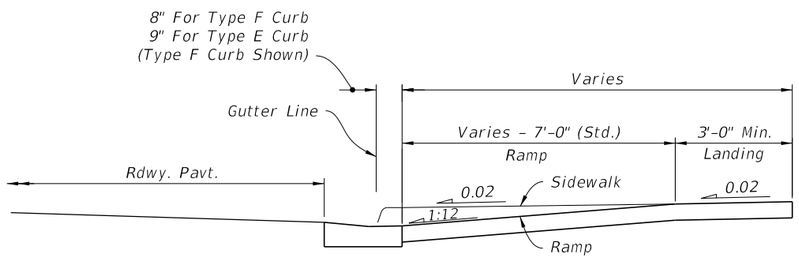
PLAN VIEW

CR-K

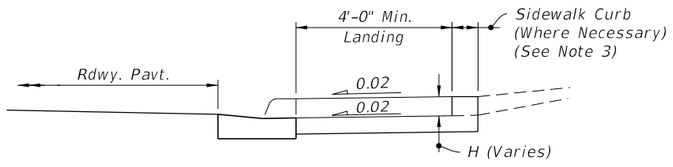


PLAN VIEW

CR-L



SECTION C-C



SECTION D-D

NOTES:

1. Crosswalk Width and Configuration Vary; Must Conform to Index 711-001.
2. 15' Radius Curve Shown for CR-L.
3. For additional information on sidewalk curb construction, see SIDEWALK CURB OPTIONS details, on Sheet 3.

SIDEWALK CURB RAMPS CR-H, CR-K & CR-L

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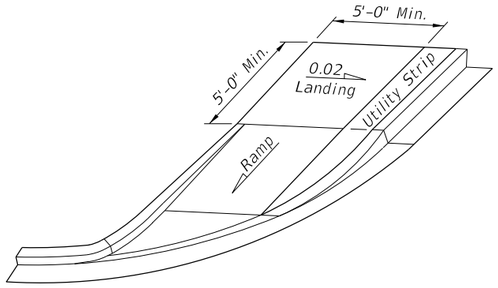
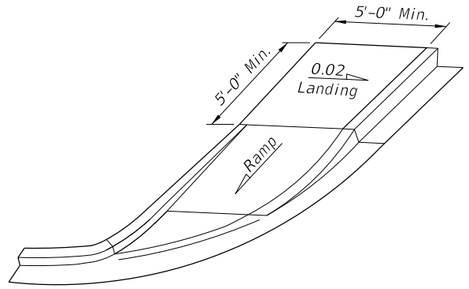
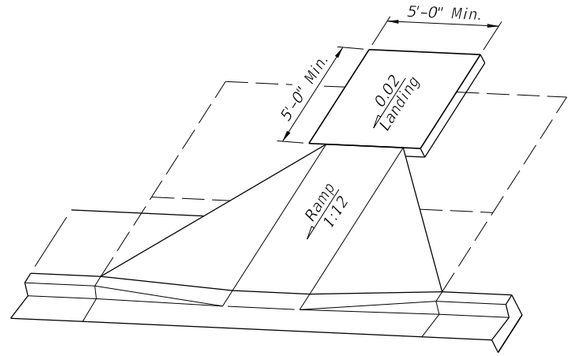
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	522-002	5 of 7

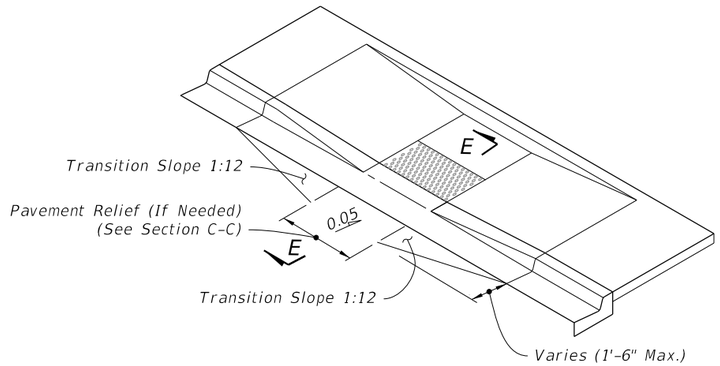






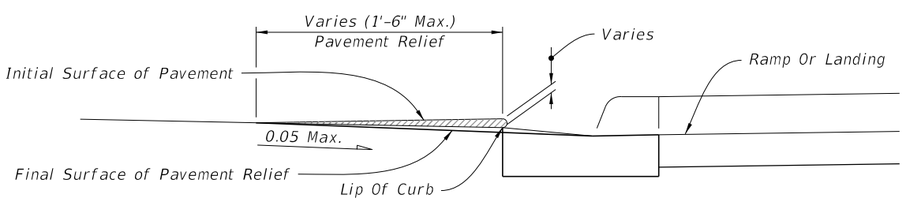
LANDINGS FOR CURB RAMPS WITHOUT SIDEWALKS

(See CR-F, CR-G & CR-K Respectively For Detectable Warning Details/Options)



ISOMETRIC VIEW

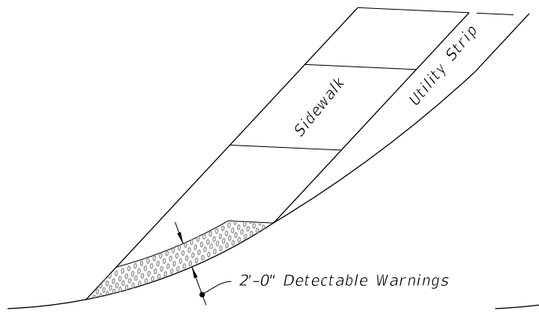
(CR-C Shown, Other Similar)



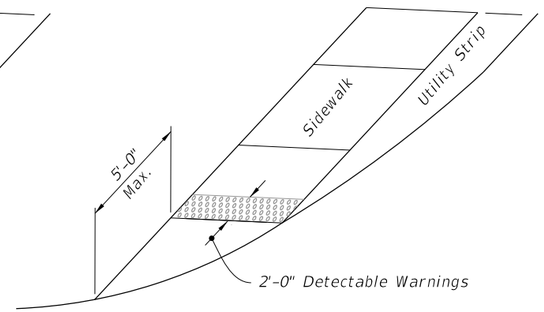
NOTE: Remove Elevated Pavement By Spading And Rolling, Smooth Milling, or Grinding.

SECTION E-E

PAVEMENT RELIEF DETAILS



OPTION A



OPTION B

DETECTABLE WARNING ON FLUSH SHOULDER SIDEWALKS

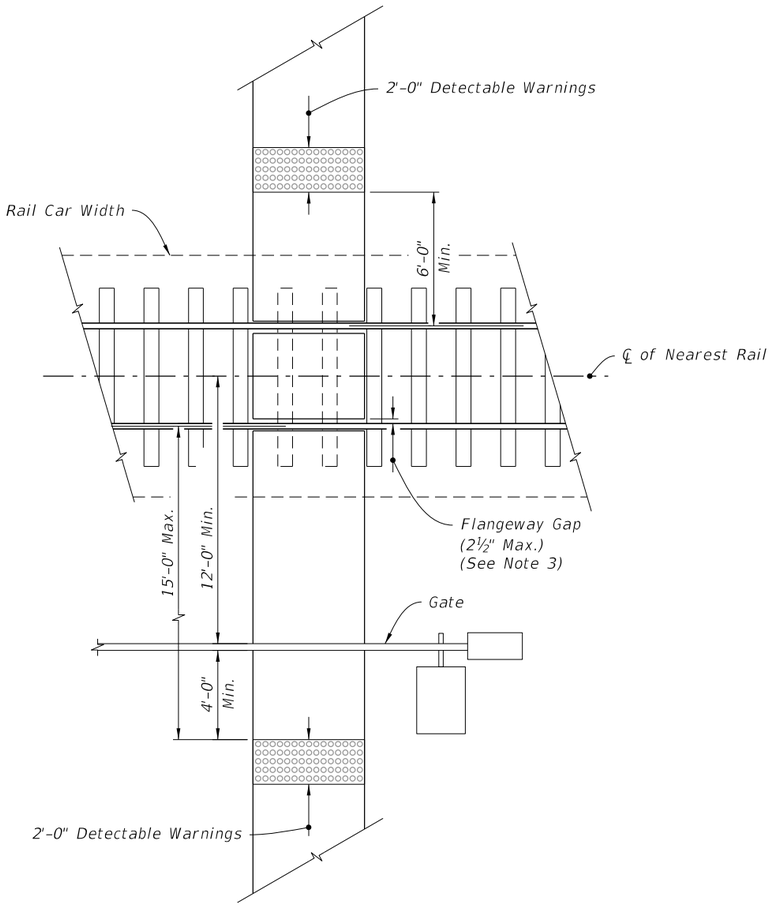
10/6/2022 2:15:11 PM

CURB RAMPS WITHOUT SIDEWALKS AND FLUSH SHOULDER SIDEWALKS

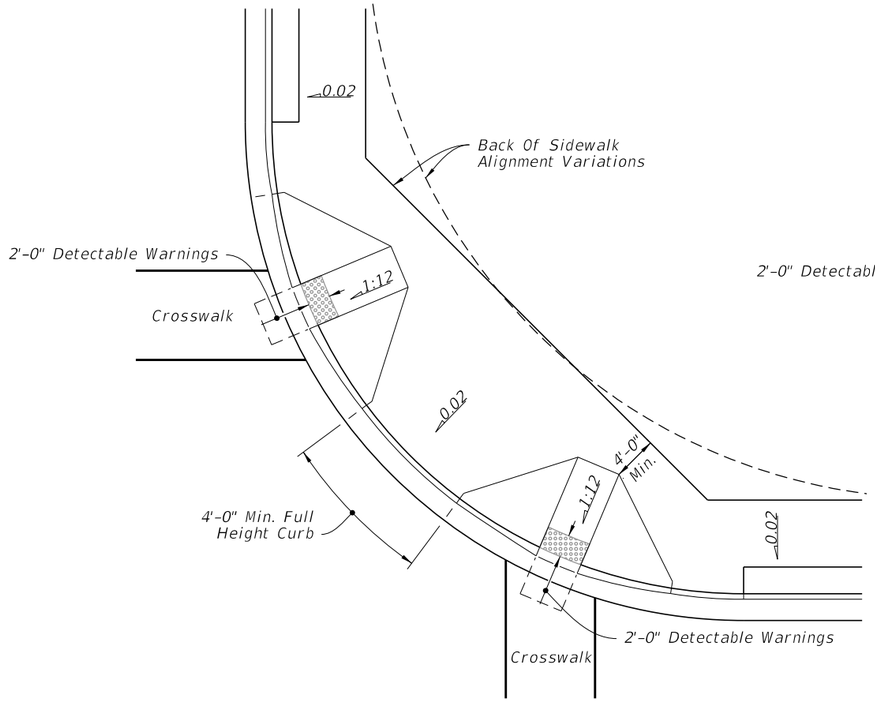
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	522-002	6 of 7

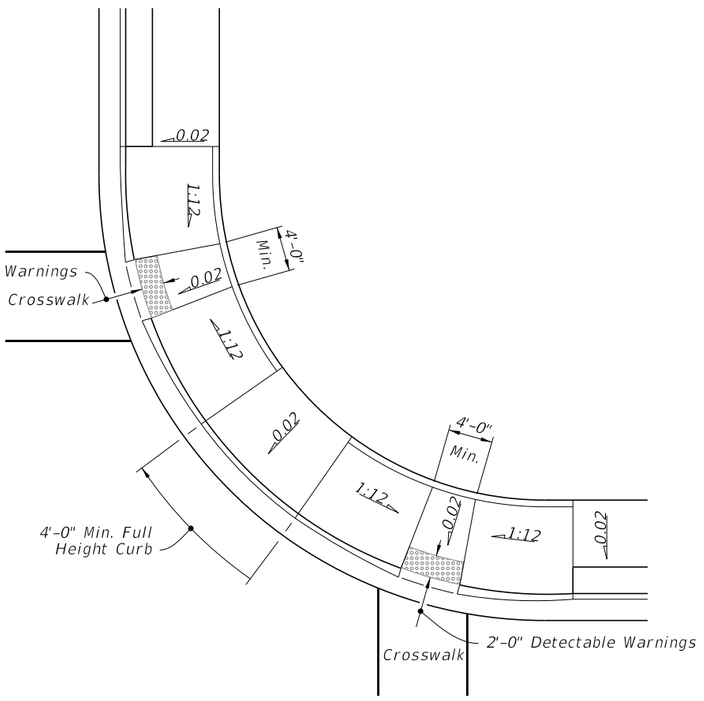
NOTES:

1. Where crosswalk markings are used, ramps must fall within the crosswalk limits. A clear space of 48" minimum is required at the bottom of the ramp within a marked crosswalk. If crosswalk markings are not present, a clear space of 48" minimum is required at the bottom of the ramp outside of active travel lanes.
2. Crosswalk widths and configurations vary; must conform to Index 711-001.
3. Flangeway Gap may be up to 3" for Freight-only Railways.

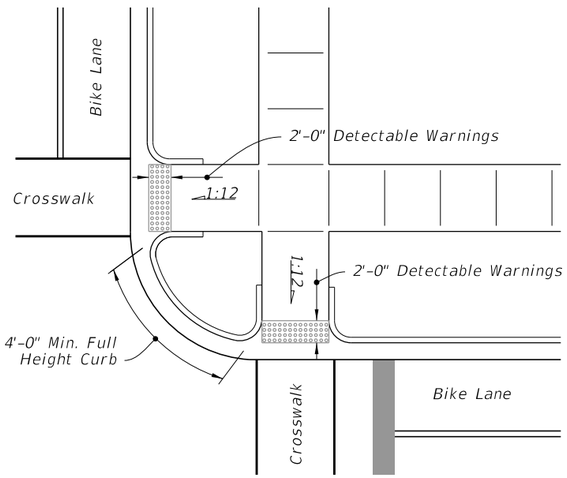


RAILROAD CROSSING

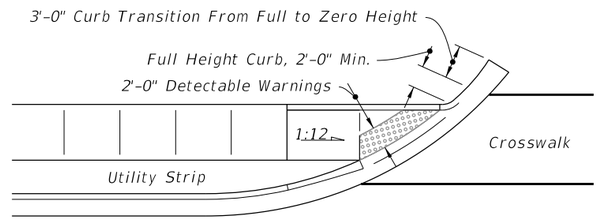




CURB RAMPS WITHIN RADIAL RETURN



CURB RAMPS OUTSIDE RADIAL RETURN



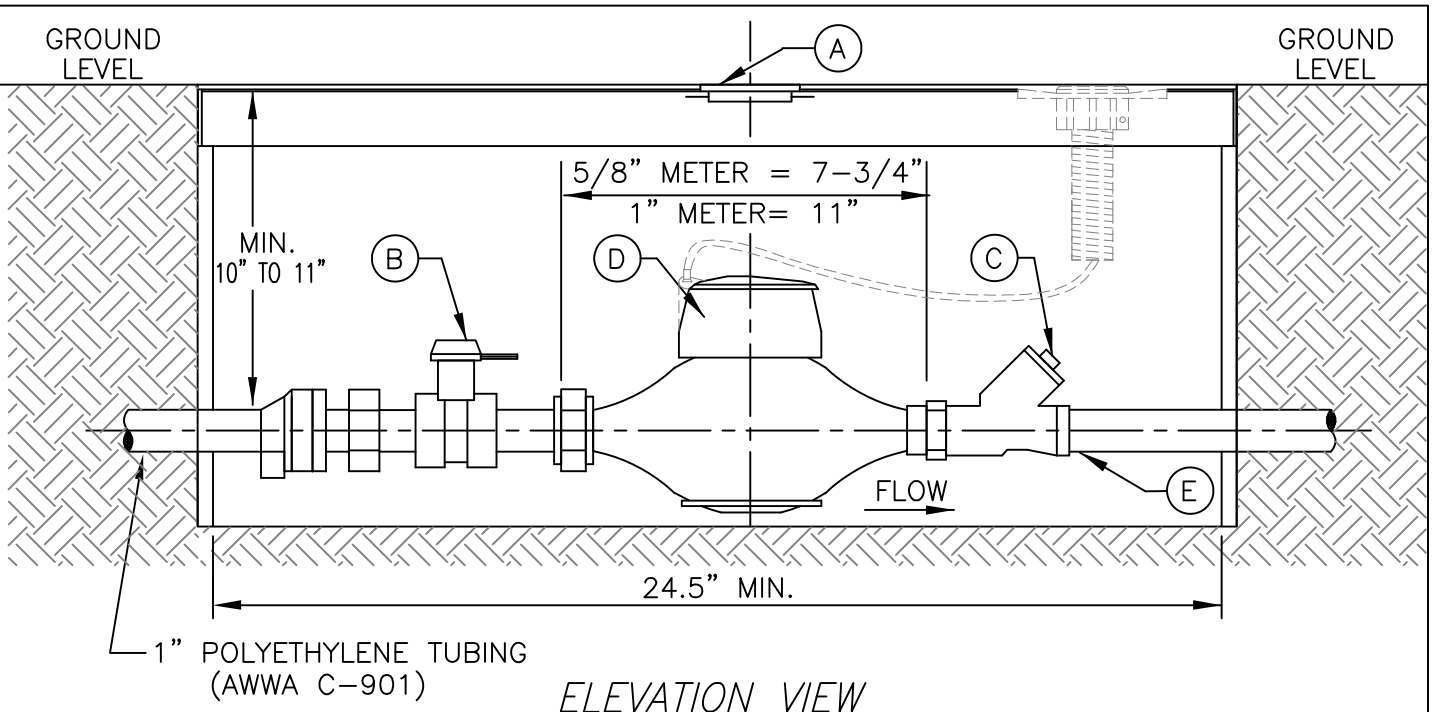
LINEAR SIDEWALK RAMPS

PLACEMENT OF SIDEWALK CURB RAMPS AT CURBED RETURNS (TYP.)

RAILROAD CROSSING AND CURB RAMPS AT CURBED RETURNS

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	522-002	7 of 7

12/13/2022 8:33:09 AM



ELEVATION VIEW

A= METER BOX AND LID

BOX–OLDCASTLE PRECAST #02001032–FL12T FIBRELYTE GRAY COMPOSITE BOX (W/MOUSE HOLES)

LID–OLDCASTLE PRECAST #02001381–FL12 LID(1118)FIBRELYTE GRAY COMPOSITE NEPTUNE OFFSET–PROBE PROVISION FKAA WATER

NOTE: METER BOXES MUST HAVE LIDS IN PLACE PRIOR TO POURING THE CONCRETE.

B= FORD LOCKABLE CURB STOP OR APPROVED EQUAL

METER DIAMETER	CURB STOP
¾" x ⅝"	No. B43–342 W*
1"	No. B43–344 W*

* "W" ON CATALOG NUMBER IS FOR PADLOCK WINGS & SHOULD OPEN TO THE LEFT.

C= FKAA APPROVED DUAL CHECK VALVE: MUELLER No. H–14242 OR FORD HHS 31–323, HHS 31–344, OR APPROVED EQUAL
IF DOWNSTREAM BACKFLOW PREVENTOR (RPZ OR DCVA) IS REQUIRED, CURB STOP SHOULD BE INSTALLED IN LIEU OF DUAL CHECK.

D= SEALED REGISTER WATER METER

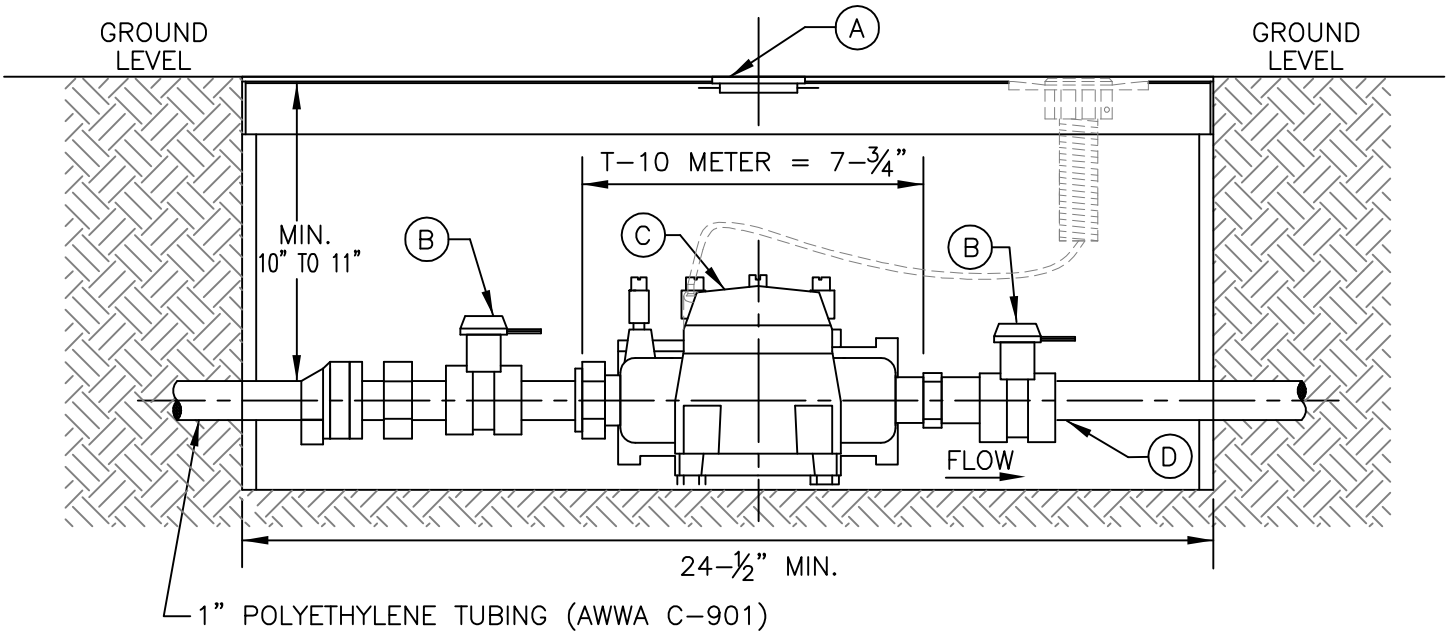
E= CUSTOMER TIE–IN POINT

NOTE:

1. MINIMUM DISTANCES BETWEEN METER INLETS/OUTLETS AND THE CLOSEST FITTINGS SHALL BE MAINTAINED PER METER MANUFACTURER'S REQUIREMENTS.

SCALE N.T.S.	5/8" AND 1" METER WITH DUAL CHECK VALVE	STANDARD DETAIL DRAWING NO. 12 (1 of 2)
DATE 03/96		
REVISED 01/14		

FLORIDA KEYS AQUEDUCT AUTHORITY
KEY WEST, FLORIDA



ELEVATION VIEW

A= METER BOX AND LID

BOX–OLDCASTLE PRECAST #02001032–FL12T FIBRELYTE GRAY COMPOSITE BOX (W/MOUSE HOLES)

LID–OLDCASTLE PRECAST #02001381–FL12 LID(1118)FIBRELYTE GRAY COMPOSITE NEPTUNE OFFSET–PROBE PROVISION FKAA WATER

NOTE: METER BOXES MUST HAVE LIDS IN PLACE PRIOR TO POURING THE CONCRETE.

B= FORD LOCKABLE CURB STOP OR APPROVED EQUAL

METER DIAMETER	CURB STOP
3/4"x5/8"	No. B43–342 W
1"	No. B43–344 W*

* "W" ON CATALOG NUMBER IS FOR PADLOCK WINGS & SHOULD OPEN TO THE LEFT.

C= NEPTUNE METER/DOUBLE CHECK T–10 ASSEMBLY

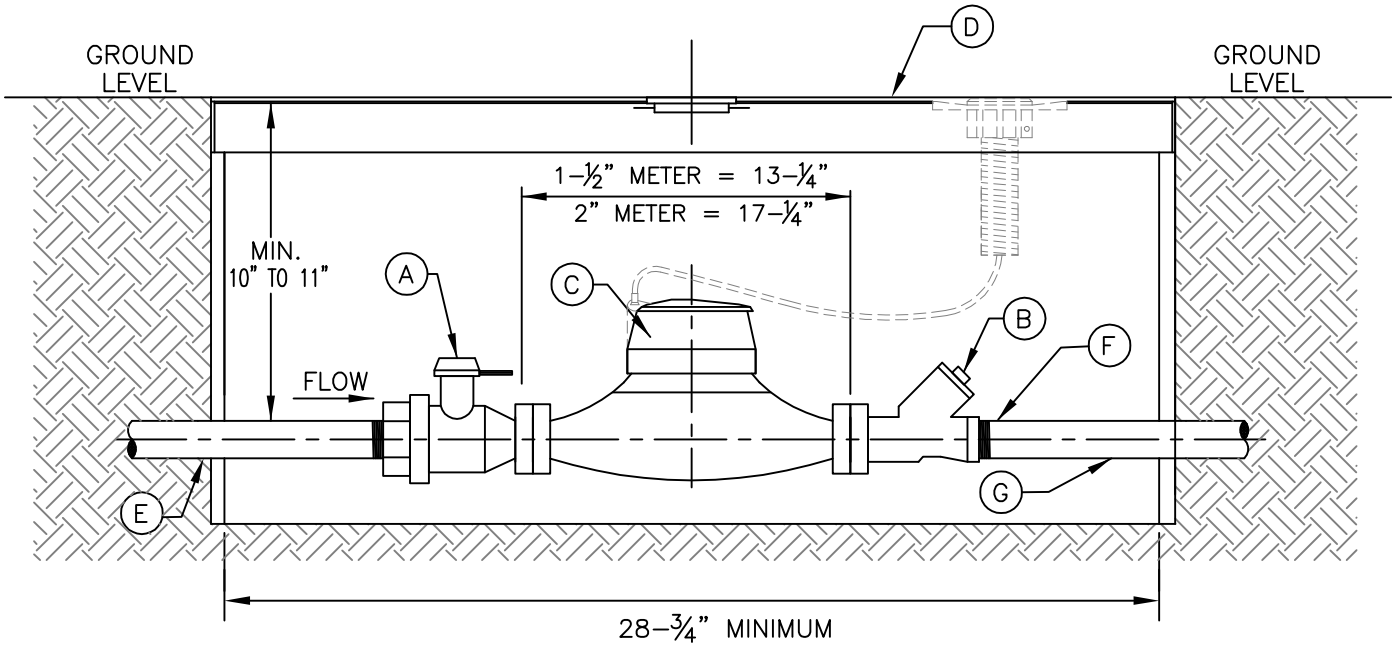
D= CUSTOMER TIE–IN POINT

NOTE:

MINIMUM DISTANCES BETWEEN METER INLETS/OUTLETS AND THE CLOSEST FITTINGS SHALL BE MAINTAINED PER METER MANUFACTURER'S REQUIREMENTS.

SCALE N.T.S.	5/8" T-10 DOUBLE CHECK METER	STANDARD DETAIL DRAWING NO. 12 (2 of 2)
DATE 06/98		
REVISED 01/14		

FLORIDA KEYS AQUEDUCT AUTHORITY
KEY WEST, FLORIDA



ELEVATION VIEW

A= FORD LOCKABLE CURB STOP OR APPROVED EQUAL

METER DIAMETER	CURB STOP
1–1/2"	No. BF13–676 W*
2"	No. BF13–777 W*

* "W" ON CATALOG NUMBER IS FOR PADLOCK WINGS & SHOULD OPEN TO THE LEFT.

B= FKAA APPROVED DUAL CHECK VALVE: MUELLER No. H–14242

C= SEALED REGISTER WATER METER

D= METER BOX AND LID
OLDCASTLE PRECAST #FL36–18 WITH 2 AMR(s) – "FKAA WATER"

E= 2" POLYETHYLENE TUBING (AWWA C–901)

F= CUSTOMER TIE–IN POINT

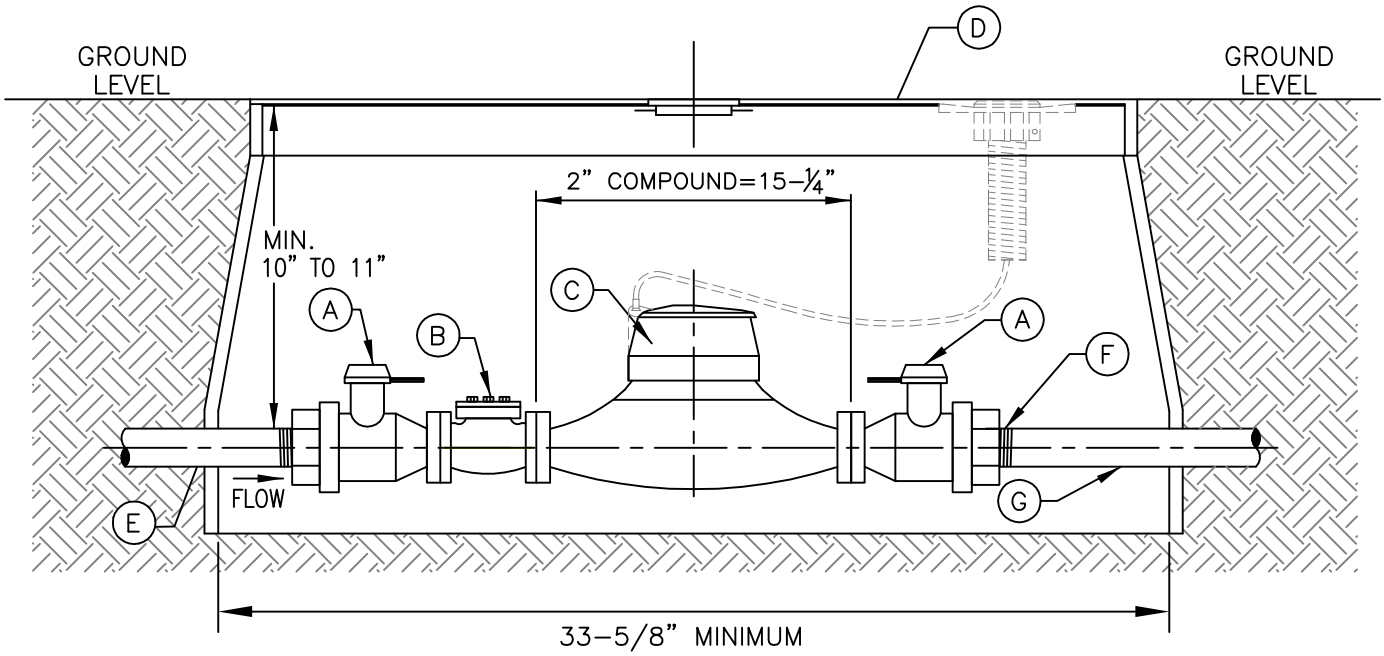
G= CUSTOMER FURNISHED PIPING/TUBING

NOTE:

MINIMUM DISTANCES BETWEEN METER INLETS/OUTLETS AND THE CLOSEST FITTINGS SHALL BE MAINTAINED PER METER MANUFACTURER'S REQUIREMENTS.

SCALE N.T.S.	1-1/2" AND 2" METER WITH DUAL CHECK VALVE	STANDARD DETAIL DRAWING NO. 13 (1 of 2)
DATE 03/96		
REVISED 01/17		

FLORIDA KEYS AQUEDUCT AUTHORITY
KEY WEST, FLORIDA



ELEVATION VIEW

A= FORD LOCKABLE CURB STOP OR APPROVED EQUAL

METER DIAMETER	CURB STOP
2"	No. BF13-777 W-NL*

* "W" ON CATALOG NUMBER IS FOR PADLOCK WINGS & SHOULD OPEN TO THE LEFT.

B= STRAINER (7")

C= SEALED REGISTER WATER METER

D= METER BOX AND LID
OLDCASTLE PRECAST #FL36-18 WITH 2 AMR(s) - "FKAA WATER"

E= 2" POLYETHYLENE TUBING (AWWA C-901)

F= CUSTOMER TIE-IN POINT

G= CUSTOMER FURNISHED PIPING/TUBING

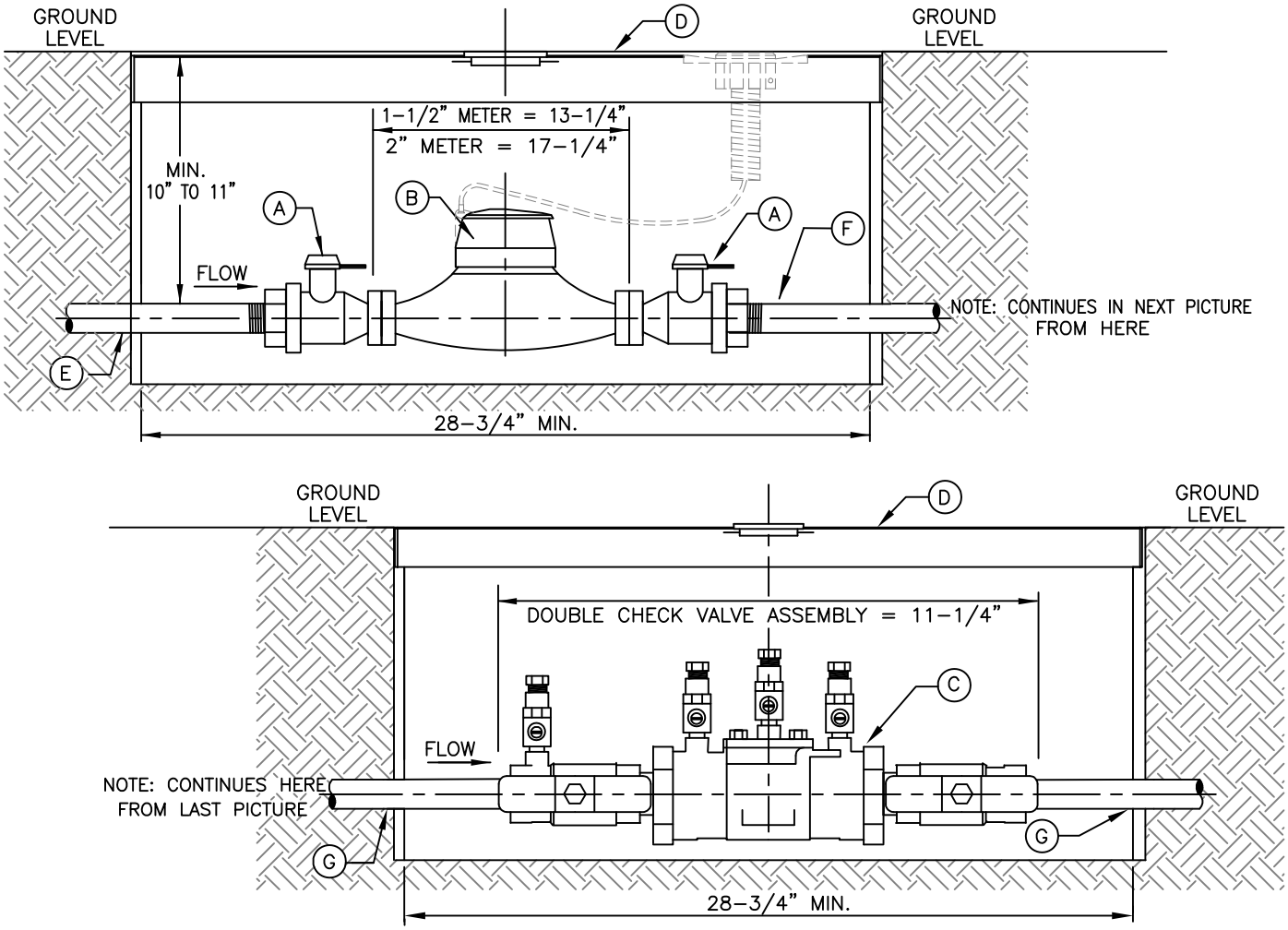
NOTE:

-MINIMUM DISTANCES BETWEEN METER INLETS/OUTLETS AND THE CLOSEST FITTINGS SHALL BE MAINTAINED PER METER MANUFACTURER'S REQUIREMENTS.

-METER BOXES MUST HAVE LIDS IN PLACE PRIOR TO POURING THE CONCRETE.

SCALE N.T.S.	2" COMPOUND METER	STANDARD DETAIL DRAWING NO. 13 (1a of 2)
DATE 03/96		
REVISED 07/16		

FLORIDA KEYS AQUEDUCT AUTHORITY
KEY WEST, FLORIDA



ELEVATION VIEW

A= FORD LOCKABLE CURB STOP OR APPROVED EQUAL

METER DIAMETER	CURB STOP
1-1/2"	No. BF13-676 W*
2"	No. BF13-777 W*

* "W" ON CATALOG NUMBER IS FOR PADLOCK WINGS & SHOULD OPEN TO THE LEFT.

B= SEALED REGISTER WATER METER

C= USC APPROVED DOUBLE CHECK VALVE ASSEMBLY (CUSTOMER FURNISHED)*
* WITH VERTICAL TEST COCKS AND PLUGS

D= METER BOX AND LID
OLDCASTLE PRECAST #FL36-18 WITH 1 AMR – "FKAA WATER"

E= 1" OR 2" POLYETHYLENE TUBING (AWWA C-901)

F= CUSTOMER TIE-IN POINT

G= CUSTOMER FURNISHED PIPING/TUBING

NOTE:
MINIMUM DISTANCES BETWEEN METER INLETS/OUTLETS AND THE CLOSEST FITTINGS SHALL BE MAINTAINED PER METER MANUFACTURER'S REQUIREMENTS.

SCALE N.T.S. DATE 06/98 REVISED 03/19	1" AND LARGER METER WITH DOUBLE CHECK VALVE ASSEMBLY	STANDARD DETAIL DRAWING NO. 13 (2 of 2)

FLORIDA KEYS AQUEDUCT AUTHORITY
KEY WEST, FLORIDA

Soil Tracking Prevention Device

WHAT IS ITS PURPOSE?

Temporary structures to assist with removal of soil material captured on vehicle tires entering and leaving a construction site.

WHERE AND HOW IS IT COMMONLY USED?

- Major entrances into construction sites.

WHEN SHOULD IT BE INSTALLED?

- Before construction activities begin.
- During construction activities.

WHEN SHOULD IT NOT BE INSTALLED?

- After construction activities are completed.

WHAT NEEDS TO BE INSPECTED?

- Are the correct rock diameters used?
- Is rock being carried out into a street?
- Is there a depression for runoff?
- Does rock need to be replaced?

WHAT MAINTENANCE ACTIVITIES CAN BE EXPECTED?

- Replacement of rock.
- Removal of sediment on adjacent streets.

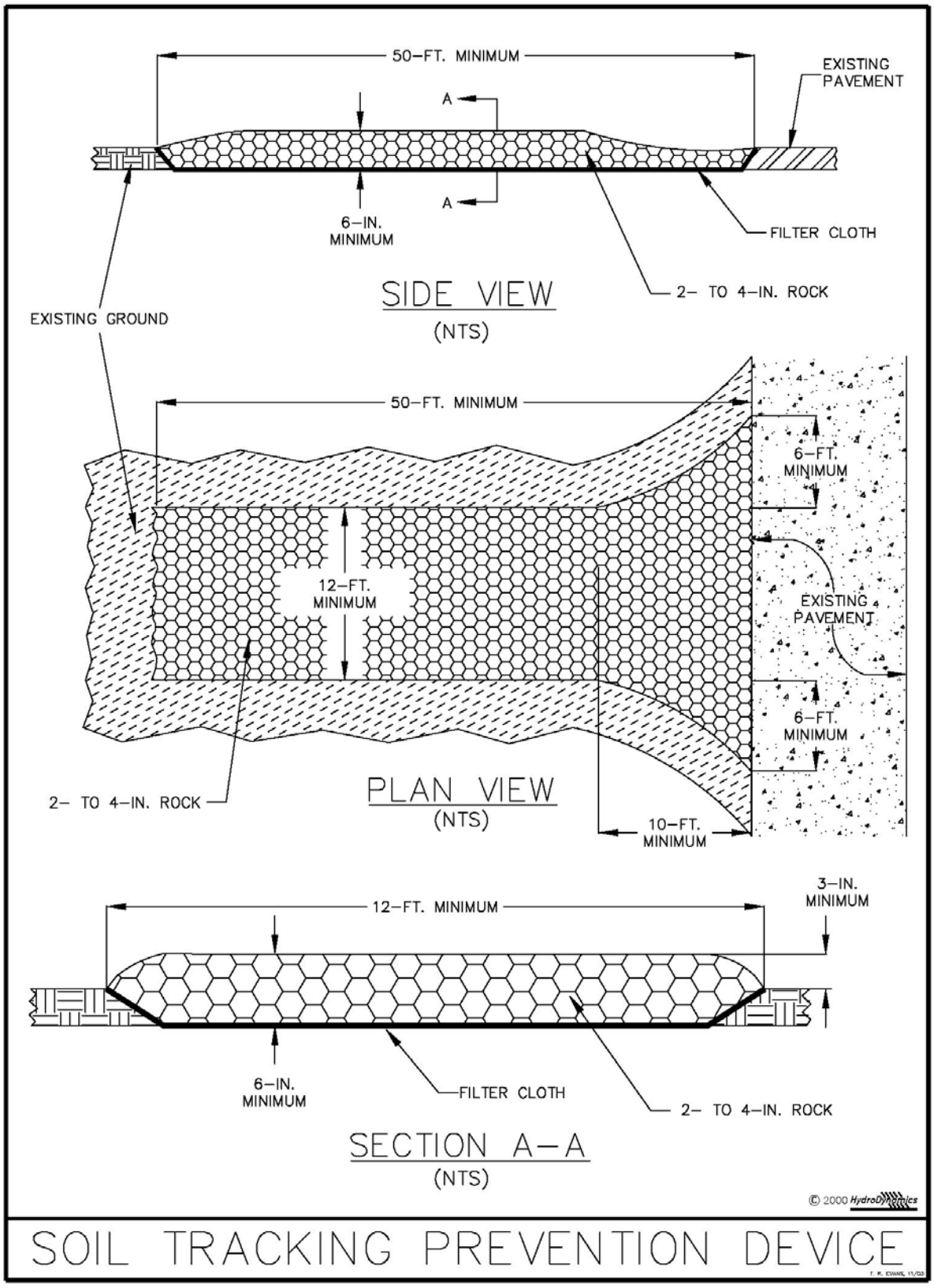


Figure V-19: Illustration of a Soil Tracking Prevention Device

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

P1

DETAIL: PAY TO PARK THIS BLOCK 18x24

P2

DETAIL: PAY TO PARK INSTRUCTIONS 18x24

UNUSED

P4

DETAIL: PAY TO PARK WEEKLY TIMES 18x6

P5

DETAIL: PAY TO PARK (6 PM - 6 AM) 18x6

P6

DETAIL: SCOOTER PARKING (6 PM - 6 AM) 18x6

P7

DETAIL: TAXI STAND (6 PM - 6 AM) 18x6

P8

DETAIL: 15 MINUTE LOADING ZONE 18x24

R1-A

DETAIL: LOADING ZONE RIGHT 18x24

R1-B

DETAIL: LOADING ZONE BOTH 18x24

R1-C

DETAIL: LOADING ZONE LEFT 18x24

R2

DETAIL: LOADING ZONE (6 AM - 6 PM) 18x24

R3

DETAIL: SCOOTER PARKING ONLY 18x24

R11

DETAIL: MOBILE VENDOR PARKING ONLY 18x24

R5

DETAIL: BICYCLE PARKING ONLY 18x24

R6-A

DETAIL: BUS STOP - NO PARKING MUTCD R7-107B 12x30

R7

DETAIL: LOADING ZONE 18x24

R8

DETAIL: NO PARKING 18x24

R9-A

DETAIL: NO PARKING CORNER LEFT 18x24

R9-B

DETAIL: NO PARKING CORNER RIGHT 18x24

R10-A

DETAIL: NO PARKING SIGNS LEFT 18x24

R10-B

DETAIL: NO PARKING SIGNS RIGHT 18x24

R10-C

DETAIL: NO PARKING SIGNS BOTH 18x24

R12

DETAIL: NO PARKING FIRE 18x24

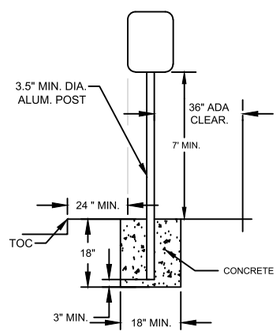
T1

DETAIL: BUS STOP - DUVAL LOOP 12x30

UNUSED

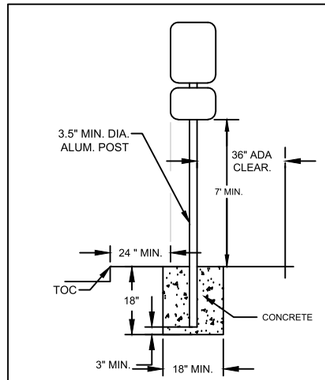
H1

DETAIL: ACCESSIBLE PARKING 18x24



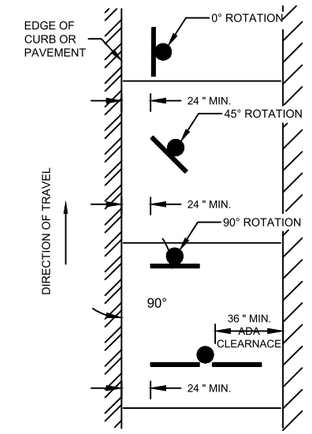
POST DIAMETER MAY NEED TO INCREASE BASED ON SIGN SIZE / AREA-SF (REFER TO FDOT INDEX 700-010, LATEST EDITION)

DETAIL: TYPICAL SIGN LOCATION AND SPACING NTS

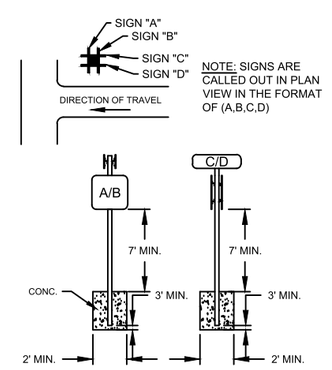


POST DIAMETER MAY NEED TO INCREASE BASED ON SIGN SIZE / AREA-SF (REFER TO FDOT INDEX 700-010, LATEST EDITION)

DETAIL: TYPICAL DOUBLE SIGN LOCATION AND SPACING NTS



DETAIL: SIGN ORIENTATION NTS



REFER TO FDOT INDEX 700-010-1, SHEET 6 OF 11
ALUM. POST DIA. DEPENDENT ON SF OF TOTAL SIGN AREA

DETAIL: DOUBLE AND FOUR SIDED SIGN NTS

City of Key West
Engineering Services
3132 Flagler Avenue, Key West, FL 33040

TITLE

CITY OF KEY WEST

TYPICAL SIGN DETAIL

DRAWN	RMS
SCALE	NTS
DATE	JAN 2025
SHEET	1 of 1

1.03 SEQUENCE OF WORK

A. Plan the work and carry it out with minimum interference to the operation of the existing facilities. Prior to starting the work, confer with the Owner and Owner's Representative to develop an approved work schedule which will permit the facilities to function as normally as practical. It may be necessary to do certain parts of the work at times outside normal working hours in order to avoid conflicting conditions. The Contractor shall do this work at such times, and at no additional cost to the Owner. Contractor shall notify the Owner 3 working days prior to the commencement of well rehabilitation.

B. To meet the overall objectives of this Project, certain elements of work must be completed or substantially completed following the suggested sequence of construction and testing:

1. Proposed Sequence for Rehabilitation for pump-assisted stormwater drainage wells.
    a. Mobilize well rehabilitation equipment to site, implement traffic and site access control measures.
    b. Measure and record the depth of the well from land surface.
    c. Re-drill the well to its original depth.
    d. Conduct airlift rehabilitation.
    e. Brush the well.
    f. Airlift development to remove debris from brushing.
    g. Measure the depth of the well.
    h. De-mobilize from site.