

COMPONENTS OF CONTRACT PLANS SET

- ROADWAY PLANS
- SIGNALIZATION PLANS
- LIGHTING PLANS
- LANDSCAPE PLANS
- STRUCTURE PLANS

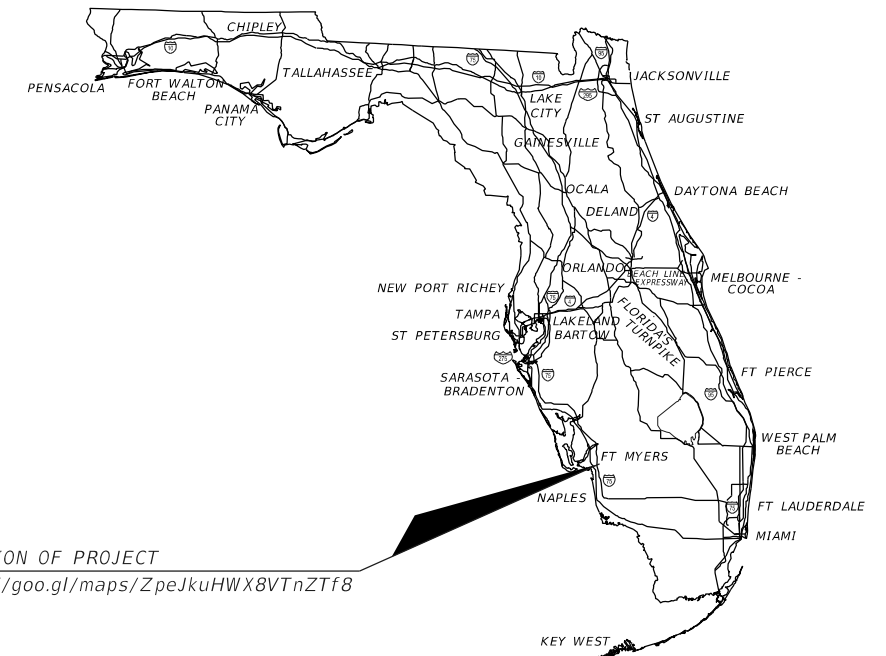
VILLAGE OF ESTERO

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS

LEE COUNTY, FLORIDA  
COUNTY PROJECT ID# CN 2022-02

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4-5	DRAINAGE MAP
6	EXISTING STRUCTURES
7	SUMMARY OF DRAINAGE STRUCTURES
8-11	TYPICAL SECTIONS
12	PROJECT LAYOUT
13	PROJECT CONTROL SHEET
14	GENERAL NOTES
15-21	PLAN SHEETS
22	CONTROL STRUCTURES DETAIL SHEET
23-51	CROSS SECTIONS
52-58	EROSION CONTROL PLAN
59-60	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
61	TEMPORARY TRAFFIC CONTROL PLANS
62-68	UTILITY ADJUSTMENTS SHEETS
SQ-1 TO SQ-8	SUMMARY OF QUANTITIES



LOCATION OF PROJECT  
<https://goo.gl/maps/ZpeJkuHWX8VTnZTf8>

100% PLAN SUBMITTAL



End Project  
End Construction  
STA. 139+17.03

Begin Project  
Begin Construction  
STA. 100+45.13

SHOP DRAWINGS TO BE SUBMITTED TO:  
RYAN M, JENSEN, P.E.  
ATKINS NORTH AMERICA  
800 WATERFORD WAY, SUITE 700  
MIAMI, FLORIDA 33126

PLANS PREPARED BY:

**ATKINS**

800 WATERFORD WAY, SUITE 700  
MIAMI, FLORIDA 33126  
FBPE CERTIFICATE OF  
AUTHORIZATION NO. 24

ROADWAY PLANS ENGINEER OF RECORD

RYAN M. JENSEN, P.E.

P.E. # 86609

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

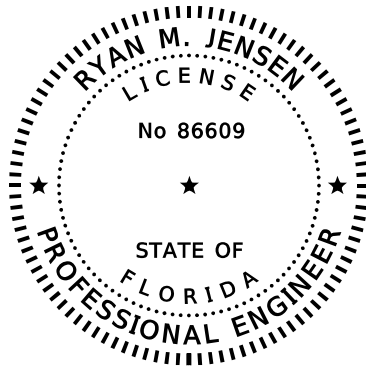
Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

VILLAGE OF ESTERO PROJECT MANAGER:  
DAVID WILLEMS, P.E.

FISCAL YEAR	SHEET NO.
2023	1



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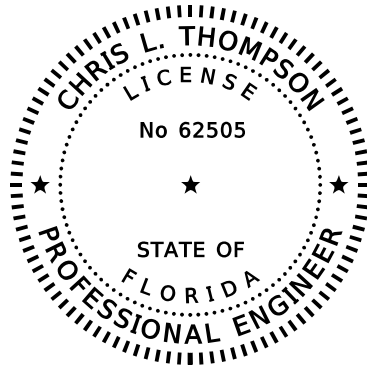
ON THE DATE ADJACENT TO THE SEAL

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ATKINS NORTH AMERICA, INC  
800 WATERFORD WAY, SUITE 700  
MIAMI, FL 33126  
CERTIFICATE OF AUTHORIZATION NUMBER: 24  
RYAN M. JENSEN, P.E. NO. 86609

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
8-11	TYPICAL SECTIONS
12	PROJECT LAYOUT
13	PROJECT CONTROL SHEET
14	GENERAL NOTES
15-21	PLAN SHEETS
23-51	CROSS SECTIONS
61	TEMPORARY TRAFFIC CONTROL PLANS
62-68	UTILITY ADJUSTMENTS SHEETS
SQ-1 TO SQ-7	SUMMARY OF QUANTITIES



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ATKINS NORTH AMERICA, INC  
482 S. KELLER ROAD, SUITE 300,  
ORLANDO, FL 32810  
CERTIFICATE OF AUTHORIZATION NUMBER: 24  
CHRIS L. THOMPSON, P.E. NO. 62505

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
4-5	DRAINAGE MAP
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52-58	EROSION CONTROL PLAN
59-60	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS		 Village of <b>ESTERO</b>	SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			2
					VILLAGE OF ESTERO	CN 2022-02			

ROADWAY/DRAINAGE

0101 1	MOBILIZATION	LS	1
0102 1	MAINTENANCE OF TRAFFIC	LS	1
0104 10 3	SEDIMENT BARRIER	LF	1584
0104 11	FLOATING TURBIDITY BARRIER	LF	259
0104 12	STAKED TURBIDITY BARRIER-NYLON REINFORCED PVC	LF	32
0104 18	INLET PROTECTION SYSTEM	EA	19
0107 1	LITTER REMOVAL	AC	5.40
0107 2	MOWING	AC	4.34
0110 1 1	CLEARING & GRUBBING	AC	3.307
0110 21	TREE PROTECTION BARRIER	LF	754
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	216
0120 1	REGULAR EXCAVATION	CY	1039
0120 6	EMBANKMENT	CY	2950
0327 70 1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	939
0337 7 80	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22	TN	56.7
0339 1	MISCELLANEOUS ASPHALT PAVEMENT (2')	TN	12.8
0425 1 91	INLETS, CLOSED FLUME	EA	2
0425 1 311	INLETS, CURB, TYPE P-1, <10'	EA	1
0425 1 321	INLETS, CURB, TYPE P-2, <10'	EA	1
0425 1 351	INLETS, CURB, TYPE P-5, <10'	EA	1
0425 1 551	INLETS, DT, BOT, TYPE E, <10'	EA	6
0425 1 589	INLETS, DT BOT, TYPE H, MODIFY	EA	2
0425 2 71	MANHOLES, J-7, <10'	EA	1
0425 2 91	MANHOLES, J-8 < 10'	EA	2
0430 174 115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"SD	LF	9
0430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	13
0430 174 124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	265
0430 174 124	PIPE CULVERT, ADS HP-STORM, ROUND, 24" SD	LF	31
0430 174 136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36" SD	LF	1123
0430 174 215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 15" SD	LF	17
0430 174 218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18"SD	LF	8
0430 174 236	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 36"SD	LF	67
0430 982 623	MITERED END SECTION, OPTIONAL-ELLIPTICAL/ARCH, 15" CD	EA	2
0430 984 138	MITERED END SECTION, OPTIONAL ROUND, 36" SIDE DRAIN	EA	1
0515 1 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	204
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	572
0522 2	CONCRETE SIDEWALK AND DRIVEWAY, 6" THICK	SY	4693
0524 2 2	CONCRETE SLOPE PAVEMENT-NON REINFORCED, 4"	SY	27
0524 2 29	CONCRETE SLOPE PAVEMENT - REINFORCED	SY	11
0527 2	DETECTABLE WARNINGS	SF	241
0530 3 4	RIPRAP, RUBBLE, F&I, BANK AND SHORE	TN	163
0530 7 4	BEDDING STONE	TN	46
0536 1 0	GUARDRAIL- ROADWAY, GENERAL/LOW SPEED TL-2	LF	151
0536 1 1	GUARDRAIL- ROADWAY, GENERAL TL-3	LF	156
0536 6	PIPE RAIL FOR GUARDRAIL	LF	177
0536 8 111	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I - INDEX 536-001, APPROACH TL-2	EA	1
0536 73	GUARDRAIL REMOVAL	LF	174
0536 85 20	GUARDRAIL END TREATMENT - TRAILING ANCHORAGE	EA	2
0536 85 24	GUARDRAIL END TREATMENT - PARALLEL APPROACH TERMINAL	EA	1
0536 85 26	GUARDRAIL END TREATMENT - TYPE CRT	EA	2
0570 1 2	PERFORMANCE TURF (SOD)	SY	7593

SIGNING & PAVEMENT MARKINGS

0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	5
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	1
0700 1 60	SINGLE POST SIGN, REMOVE	AS	3
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	42
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.123
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK, 12"	LF	357
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, FOR STOP BAR OR CROSSWALK, 24"	LF	383
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROW	EA	3
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, FOR DIAGONALS OR CHEVRONS, 18"	LF	17
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.057
0711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK	LF	357
0711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP BAR OR CROSSWALK	LF	383
0711 11 170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	3
0711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	17
0711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.123
0711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.057

LIGHTING

0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	6865
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	640
0630 2 15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	LF	173
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	100
0639 1 122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND METER PURCHASED BY CONTRACTOR	AS	2
0639 2 1	ELECTRICAL SERVICE WIRE, F&I	LF	60
0639 3 11	SERVICE DISCONNECT, F&I	EA	2
0641 2 11	PRESTRESSED CONCRETE POLE, F&I, TYPE II	EA	2
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 - 6	LF	33843
0715 500 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	76
0715 511 115	LIGHT POLE COMPLETE - SPECIAL DESIGN, FURNISH & INSTALL, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 15' MOUNTING HEIGHT	EA	48
0715 511 130	LIGHT POLE COMPLETE - SPECIAL DESIGN, FURNISH & INSTALL, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 30' MOUNTING HEIGHT	EA	28
0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	2

STRUCTURES

0400-0-11	CONCRETE CLASS NS, GRAVITY WALL	CY	30
0400 4 5	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE	CY	18
0415 1 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB	2379
0455 34 0	PRESTRESSED CONCRETE PILING, 10" 50	LF	19
0455 34 3	PRESTRESSED CONCRETE PILING, 18" 50	LF	339
0460 7	PREFABRICATED STEEL PEDESTRIAN BRIDGE	SF	962
0470 1	TREATED TIMBER, STRUCTURAL	MB	11
0524 2 29	CONCRETE SLOPE PAVEMENT - REINFORCED 4"	SY	11
0530 3 3	RIPRAP- RUBBLE, BANK AND SHORE	TN	163
0530 74	BEDDING STONE	TN	46

LANDSCAPE

580 1 1	LANDSCAPE COMPLETE - SMALL PLANTS	LS	1
580 1 2	LANDSCAPE COMPLETE - LARGE PLANTS	LS	1
590 1	LANDSCAPE IRRIGATION SYSTEM	LS	1

PAY ITEM FOOTNOTES:

PAY ITEM 0337-7-80:

INCLUDES 5 TN TO BE USED FOR FILLING THE EXISTING PAVEMENT DIP IN THE NORTHEAST QUADRANT OF ESTERO RIVER CIRCLE. FILL DIP UNTIL PAVEMENT IS FLUSHED WITH THE SURROUNDING MILLED SURFACE, THEN PLACE THE 1" FRICTION COURSE FC-9.5 (TRAFFIC B) (PG 76-22).

REVISIONS		 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION		CLIENT	PROJECT ID			
			VILLAGE OF ESTERO	CN 2022-02			3

DRAINAGE AREA TABLE					
STRUCTURE NO	AREA (AC)	STRUCTURE NO	AREA (AC)	STRUCTURE NO	AREA (AC)
S-100	73.90	S-109	0.17	EX-7	0.39
S-101	11.50	S-110	0.65	EX-8	0.30
S-102	0.05	S-111	14.80	EX-9	22.70
S-103	0.10	S-112	0.57	EX-26	0.11
S-104	0.05	S-113	0.36	EX-27	0.13
S-107	0.12	S-114	2.10		
S-108	0.24	EX-5	4.50		

N 1" = 200'

BEGIN PROJECT  
 SHARED USE PATH CONSTRUCTION  
 STA. 100+57.42 @ SURVEY SANDY LANE  
 N 762557.3794  
 E 720020.8411



CONTOURS SHOWN ARE NAVD88, PROJECT DATUM IS NGVD29  
 AERIAL DATE 2020  
 DRAINAGE AREAS FOR INLETS ALONG SANDY LANE CREATED FROM SITE SURVEY.  
 AREAS FOR OFFSITE INLETS DERIVED FROM A COMBINATION OF SITE SURVEY AND  
 MODELED BASINS FROM THE CITY OF ESTERO STORMWATER MASTER PLAN (2018)  
 DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES.  
 THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION  
 PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 CHRIS L. THOMPSON, P.E. #62505

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	CN 2022-02



DRAINAGE MAP (1)

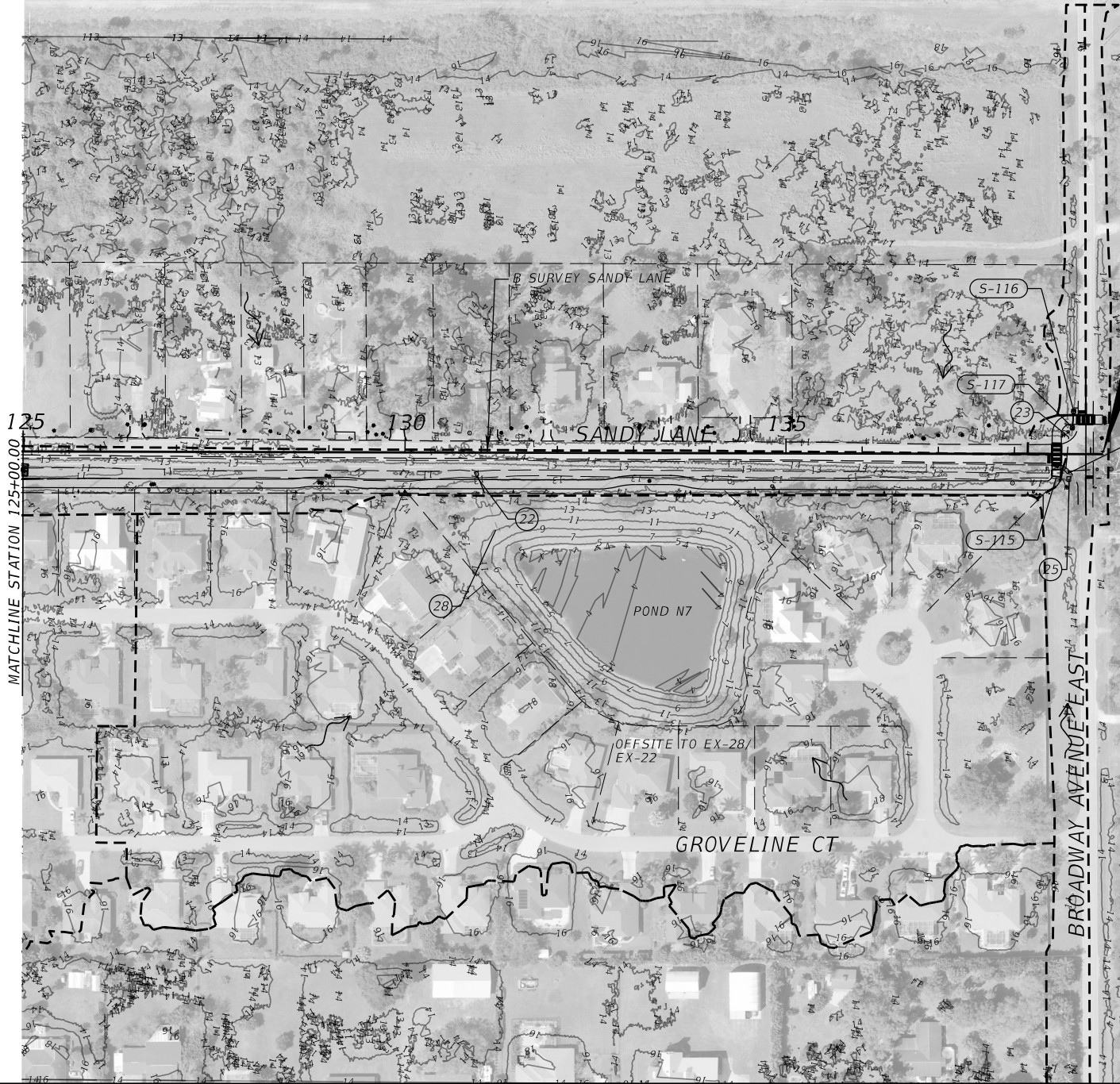
SHEET NO.  
4

**DRAINAGE AREA TABLE**

STRUCTURE NO	AREA (AC)
S-115	1.74
S-116	0.39
EX-28	14.50

1" = 200'

END PROJECT  
 SHARED USE PATH CONSTRUCTION  
 STA. 139+17.03 @ SURVEY SANDY LANE  
 N 766414.9838  
 E 719938.3602



CONTOURS SHOWN ARE NAVD88, PROJECT DATUM IS NGVD29  
 AERIAL DATE 2020  
 DRAINAGE AREAS FOR INLETS ALONG SANDY LANE CREATED FROM SITE SURVEY.  
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CLIENT	PROJECT #
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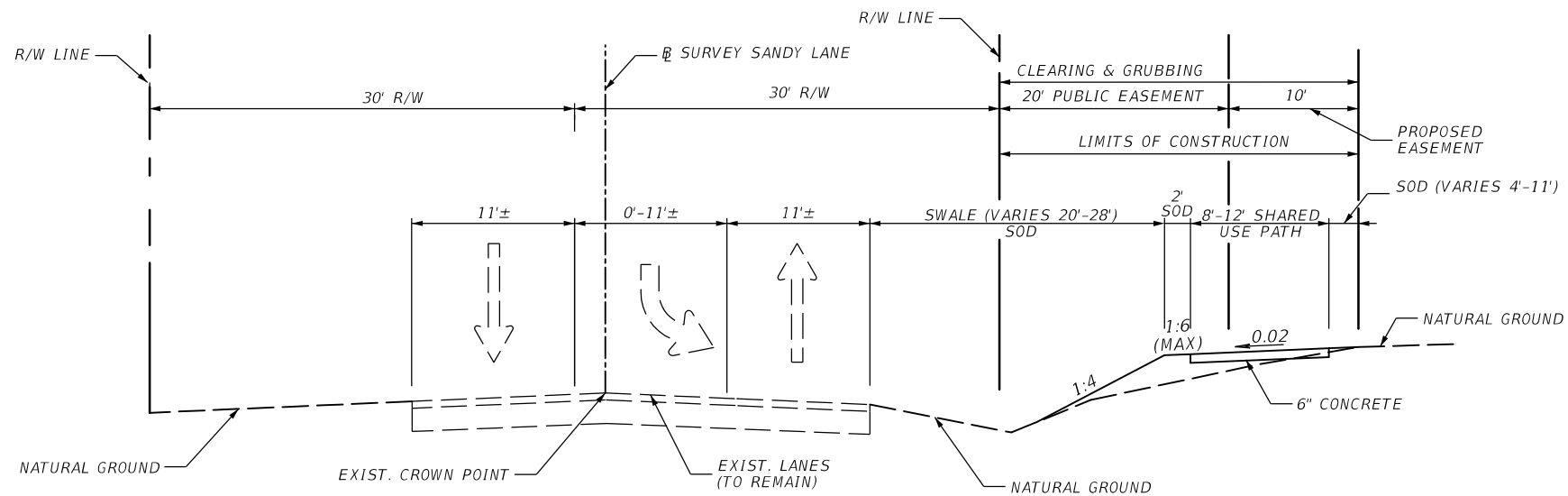
**DRAINAGE MAP (2)**

SHEET NO.  
5

- ① PIPE, MH, PIPE  
RIM EL. 16.16  
24" RCP N FL 10.36  
24" RCP S FL 10.36
- ② DBI, PIPE  
GRATE EL. 14.99  
24" RCP S. FL 10.70
- ③ HEADWALL (12")
- ④ DBI, PIPE  
GRATE EL. 12.50  
14" X 22" ERCP N. FL 9.94
- ⑤ DBI, PIPE  
GRATE EL. 13.50  
WEIR W. EL. 12.96  
12" X 18" ERCP E. FL 11.91
- ⑥ MES, PIPE  
12" X 18" ERCP W. FL 11.98
- ⑦ PIPE, DBI, PIPE  
GRATE EL. 12.68  
18" RCP N. FL 9.61  
18" RCP S. FL 10.02
- ⑧ DBI, PIPE  
GRATE EL. 12.41  
24" RCP N. FL 9.55  
15" RCP E. FL 9.71  
18" RCP S FL 9.53
- ⑨ DBI, PIPE  
GRATE EL. 15.61  
2" WEIR E. EL. 14.14  
15" RCP W. FL 9.88
- ⑩ MH, PIPE  
RIM EL. 13.70  
24" RCP N. FL 9.80  
15" RCP E. FL 9.90  
24" RCP S. FL 10.15
- ⑪ DBI, PIPE  
GRATE EL. 13.27  
WEIR E. EL. 12.58  
18" RCP W. FL 9.47
- ⑫ MES, PIPE  
24" RCP S. FL 9.59
- ⑬ DBI, PIPE  
GRATE EL. 10.36  
18" CMP  
S. FL 6.93  
N. FL 4.85  
12" PVC  
SE. FL 10.30  
NW. FL 10.32
- ⑭ PIPE  
18" CMP  
S. FL 7.07  
N. FL 5.34
- ⑮ PIPE  
36" CMP  
S. FL 3.86  
N. FL 7.64
- ⑯ DBI, PIPE  
GRATE EL. 9.76  
18" CMP E. FL 4.52
- ⑰ DBI, PIPE  
GRATE EL. UNKNOWN  
18" CMP W. FL 4.75
- ⑱ MES, PIPE  
36" CMP S. FL 7.64
- ⑲ MES, PIPE  
18" RCP E. FL 8.36
- ⑳ CONTROL STRUCTURE, PIPE  
GRATE EL. UNKNOWN  
18" RCP W. FL 8.60
- ㉑ MES, PIPE, MES  
36" RCP  
S. FL 8.42  
N. FL 8.38
- ㉒ MES, PIPE  
18" RCP E. FL 10.14
- ㉓ PIPE, MES, PIPE  
12" X 18" RCP  
W. FL 12.86  
E. FL 12.38  
18" CMP N. FL 12.30
- ㉔ DBI, PIPE  
GRATE EL. 14.74  
18" CMP S. FL 12.68
- ㉕ MES, PIPE  
18" RCP  
W. FL 12.50  
E. FL 12.53
- ㉖ INLET  
NO DATA
- ㉗ INLET  
NO DATA
- ㉘ CONTROL STRUCTURE, PIPE  
NO DATA

REVISIONS				 1514 BROADWAY FORT MYERS, FLORIDA 33901 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 CHRIS L. THOMPSON, P.E. #62505	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS		 Village of <b>ESTERO</b>	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #		<b>EXISTING STRUCTURES</b>	<b>6</b>
					VILLAGE OF ESTERO	CN 2022-02			





**SANDY LANE SHARED USE PATH**  
**STA. 100+59.02 TO STA. 106+86.29**  
**N.T.S.**

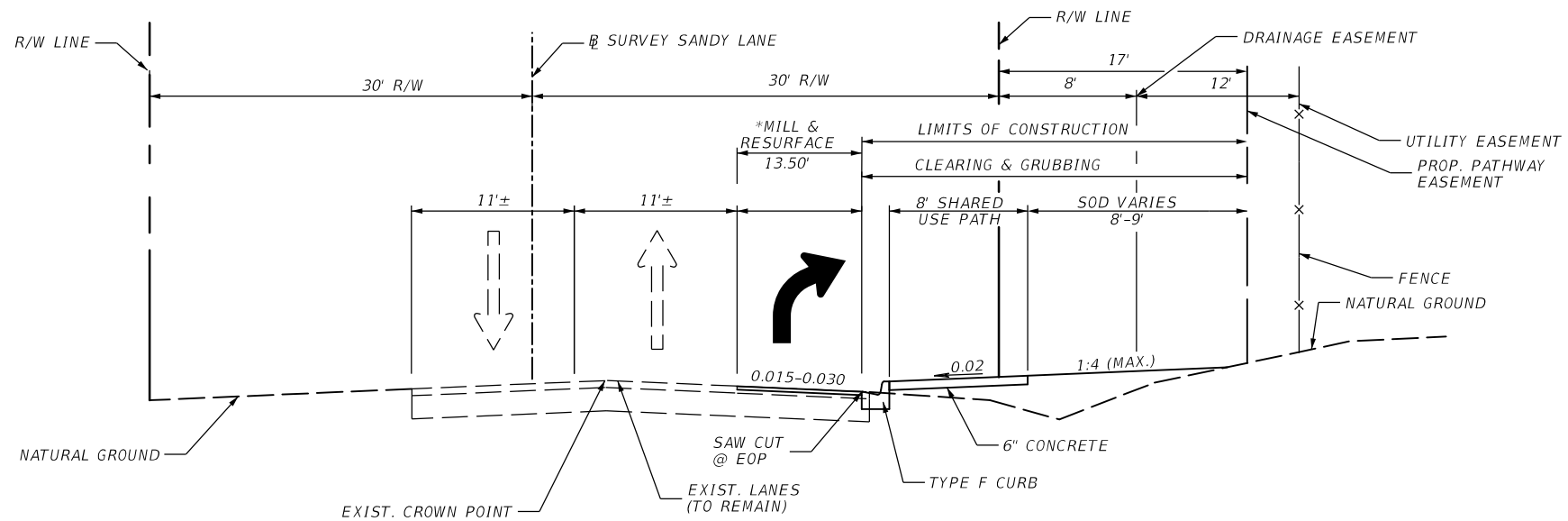
**TRAFFIC DATA**

CURRENT YEAR = 2022 AADT = 2100  
 K = 9% D = 53.7% T = 3.9% (24 HOUR)

DESIGN SPEED = 30 MPH  
 POSTED SPEED = 30 MPH

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			<b>TYPICAL SECTIONS</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			
					VILLAGE OF ESTERO	CN 2022-02			





**SANDY LANE SHARED USE PATH  
STA. 106+86.29 TO STA. 110+12.69  
N.T.S.**

**MILLING (RIGHT TURN LANE)**

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (1" AVG. DEPTH)

**RESURFACING (RIGHT TURN LANE)**

FRICITION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

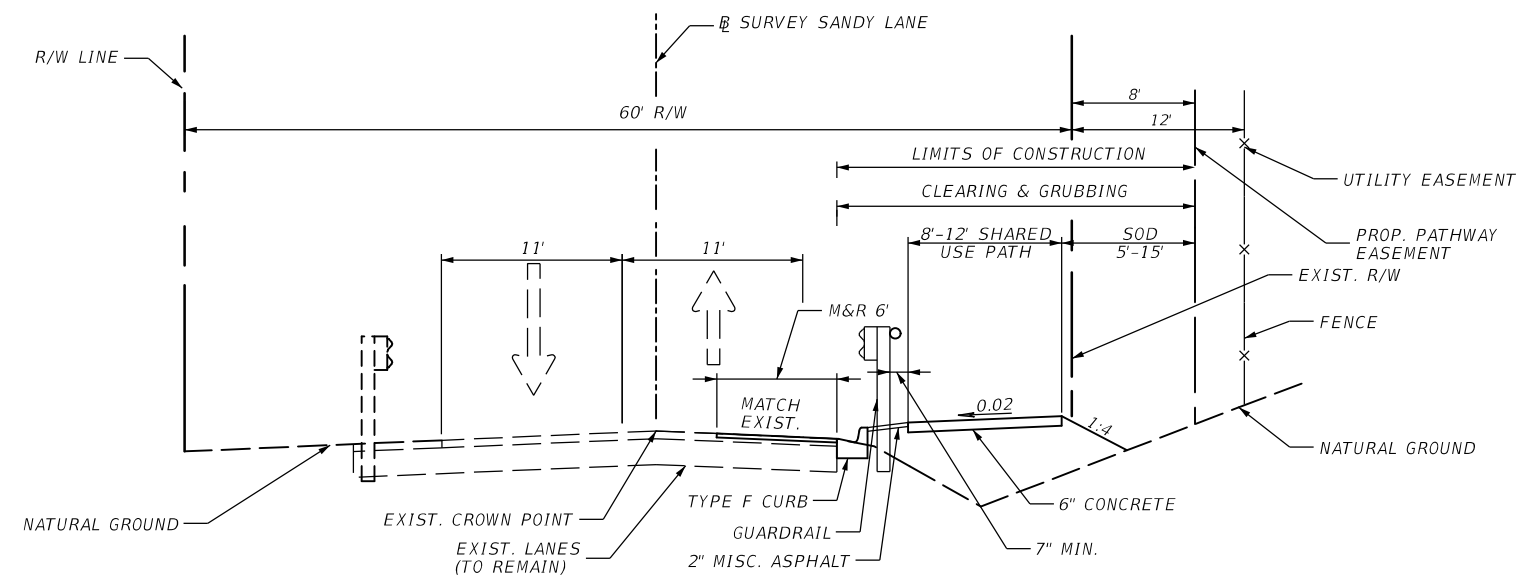
**TRAFFIC DATA**

CURRENT YEAR = 2022 AADT = 2100  
K = 9% D = 53.7% T = 3.9% (24 HOUR)

DESIGN SPEED = 30 MPH  
POSTED SPEED = 30 MPH

\* MILL & RESURFACE ESTERO RIVER CIRCLE.  
REFER TO THE PAY ITEM FOOTNOTE FOR  
PIN 0337-7-80 IN THE SUMMARY OF PAY  
ITEMS AND SEE PLAN SHEETS FOR DETAILS.

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			TYPICAL SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			
					VILLAGE OF ESTERO	CN 2022-02			



**SANDY LANE SHARED USE PATH  
STA. 110+12.69 TO STA. 112+07.01**

**MILLING**

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (1" AVG. DEPTH)

**RESURFACING**

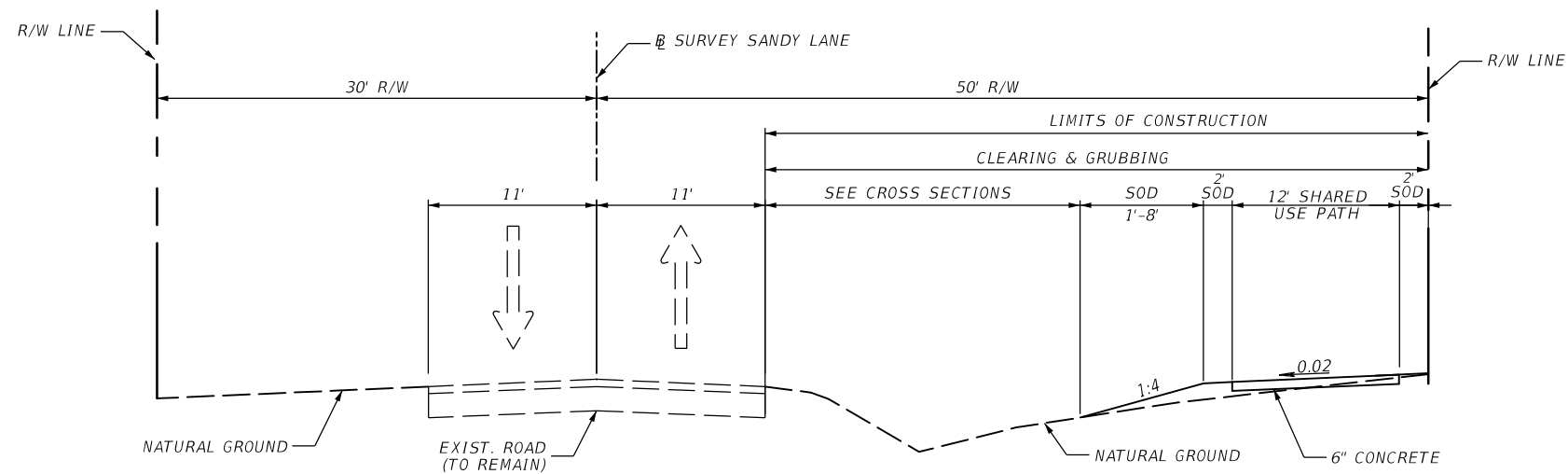
FRICITION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

**TRAFFIC DATA**

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POSTED SPEED = 30 MPH

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			TYPICAL SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			10
					VILLAGE OF ESTERO	CN 2022-02			



**SANDY LANE SHARED USE PATH**  
**STA. 112+89.09 TO STA. 138+42.08**  
**N.T.S.**

**TRAFFIC DATA**

CURRENT YEAR = 2022 AADT = 2100  
 K = 9% D = 53.7% T = 3.9% (24 HOUR)

DESIGN SPEED = 30 MPH  
 POSTED SPEED = 30 MPH

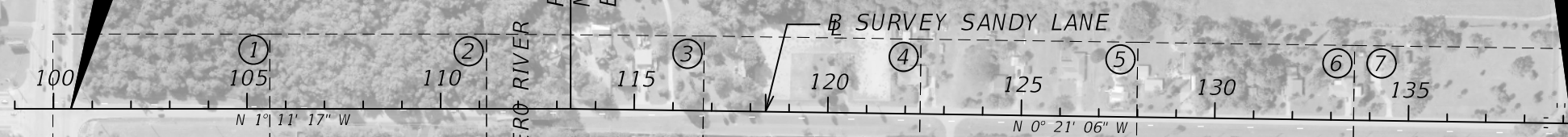
REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			TYPICAL SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			11
					VILLAGE OF ESTERO	CN 2022-02			



BEGIN PROJECT  
 SHARED USE PATH CONSTRUCTION  
 STA. 100+45.13 @ SURVEY SANDY LANE  
 N 762546.6920  
 E 720098.2581

END PROJECT  
 SHARED USE PATH CONSTRUCTION  
 STA. 139+17.03 @ SURVEY SANDY LANE  
 N 766414.9838  
 E 719938.3602

POT STA. 113+37.07  
 N 763835.2630  
 E 719994.3386



CORKSCREW ROAD

ESTERO RIVER CIRCLE

ESTERO RIVER

SANDLINE WAY

BROADWAY AVENUE EAST

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



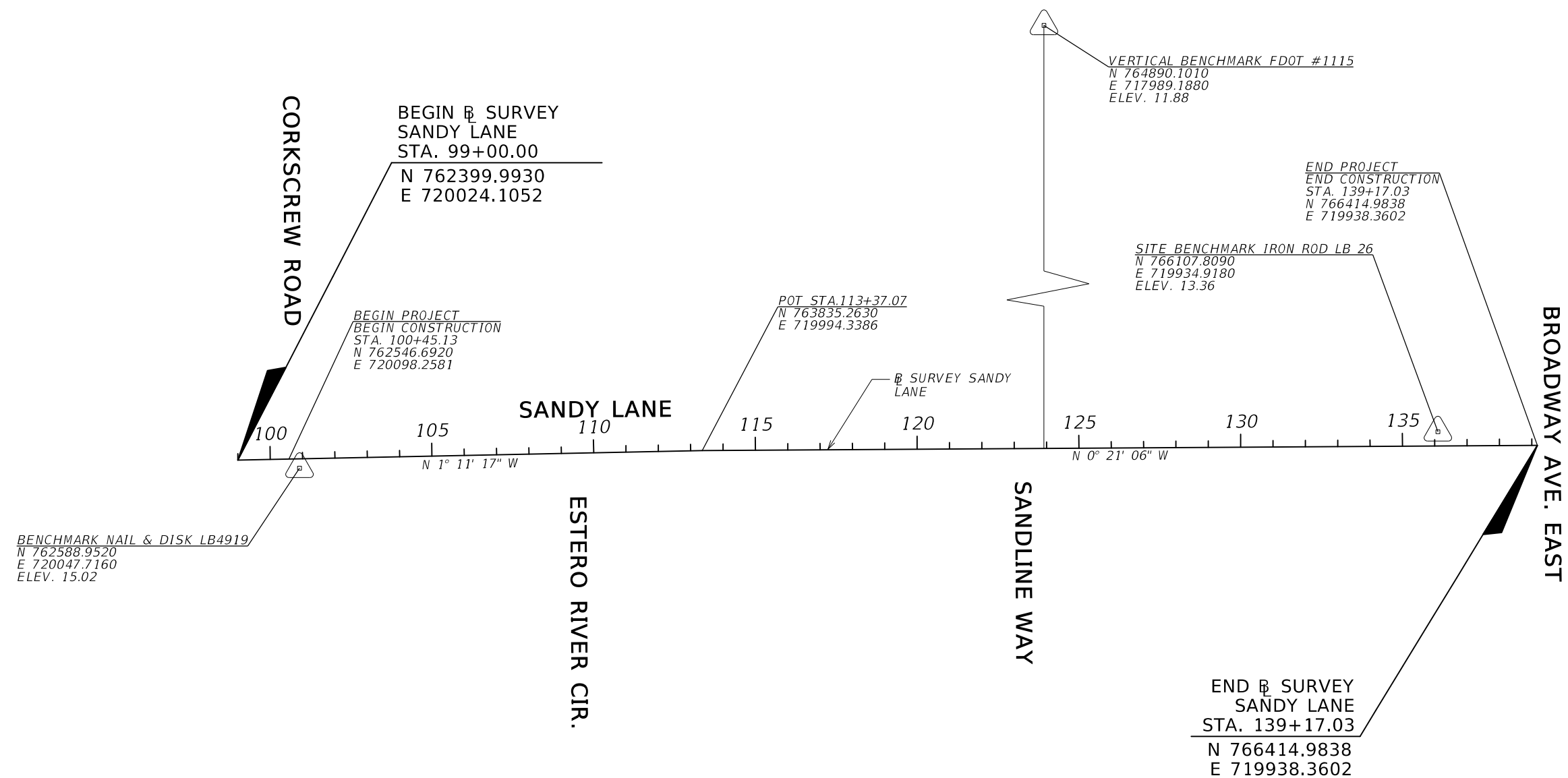
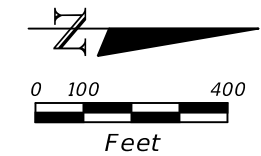
**PROJECT LAYOUT**

SHEET NO.  
 12

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# PROJECT CONTROL POINTS

**⊕ SURVEY SANDY LANE  
FROM STA. 99+00.00 TO STA. 139+17.03**





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REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			<b>PROJECT CONTROL</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			13
					VILLAGE OF ESTERO	CN 2022-02			

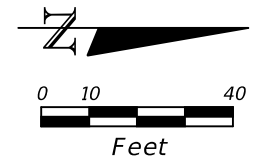
GENERAL NOTES

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
3. EXISTING FACILITIES SHALL BE RESTORED TO THAT WHICH EXISTED PRIOR TO COMMENCING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD LINES AND UNDERGROUND UTILITIES.
5. CONTRACTOR IS HEREBY NOTIFIED THAT ABOVE GROUND OR UNDERGROUND UTILITIES NOT IDENTIFIED ON CONTRACT DRAWINGS MAY BE IN THE AREA OF THIS PROJECT.
6. GRADES SHOWN ARE FINISHED GRADES.
7. PUBLIC ACCESS TO BUSINESS, RESIDENCES, AND SIDE STREETS MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
8. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
9. NOTIFY ALL UTILITY COMPANIES IN THE AREA AT LEAST 48 HOURS PRIOR TO CONSTRUCTION AND CALL THE SUNSHINE STATE ONE CALL AT 1-800-432-4770.
10. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
11. UTILITY / AGENCY OWNERS:
 

COMPANY	REPRESENTATIVE	TELEPHONE NUMBER	EMAIL
TECO	JASON WILHITE	(239)-340-8005	JEWILHITE@TECOENERGY.COM
FPL	MICHAEL MARTINEZ	(239)-353-6047	MICHAEL.MARTINEZ@FPL.COM
COMCAST	XAVIER MEDINA	(239)-205-0469	XAVIER_MEDINA@COMCAST.COM
LUMEN	TROY INNISS	(239)-920-5821	TROY.INNISS@LUMEN.COM
SUMMIT BROADBAND	MICHELLE DANIEL	(407)-996-1183	MICHELLE.DANIEL@SUMMIT-BROADBAND.COM
CROWN CASTLE	DANNY HASKETT	(786)-6110-7073	DANNY.HASKETT@CROWNCastle.COM
HOTWIRE	WALTER SANCHO-DAVILA	(954)-699-0900	WALTER.SANCHO-DAVILA@HOTWIRECOMMUNICATION.COM
LEE COUNTY UTILITIES	NATHAN BEALS	(239)-533-8167	NBEALS@LEEGOV.COM
12. 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 SHALL NOTIFY COLLIER COUNTY SURVEYOR, TOM ANDERSON WITHOUT DELAY, BY TELEPHONE AT (239) 252-8192.
13. ANY PULL BOXES, WATER METERS & VALVES TO BE ADJUSTED WITHIN THE PROPOSED SIDEWALK ARE TO BE FLUSH AND UNDAMAGED.
14. PROMPTLY REPORT ALL FIELD CHANGES TO THE ENGINEER.
15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ALL CONSTRUCTION LAYOUT, STAKING, AND RECORD DRAWINGS ARE PERFORMED UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
16. ACCURATELY PLOT THE LOCATIONS, DEPTH, AND DIMENSIONS OF ALL IMPROVEMENTS ON A FINAL SET OF AS-BUILT DRAWINGS, PREPARED BY A FLORIDA REGISTERED LAND SURVEYOR. RECORD DRAWINGS SHALL BE DELIVERED TO THE ENGINEER PRIOR TO PROJECT COMPLETION.
17. CONTRACTOR TO MAINTAIN EXISTING TRAFFIC/ACCESS, EXISTING DRAINAGE AND EXISTING UTILITIES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
18. CONSTRUCTION STAKING IS CONTRACTORS RESPONSIBILITY TO PROVIDE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE SERVICES DURING CONSTRUCTION.
19. AT THE COMPLETION OF THIS PROJECT ALL DISTURBED SURFACES SHALL BE COVERED BY SOD.
20. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS WATER AND/OR SEWER SERVICE LATERALS WHICH MAY OR MAY NOT BE SHOWN IN THE PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACK FILLING AND COMPACTING AROUND THESE SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.
21. PRE -TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES, STRUCTURES, TRENCH DRAINS, SLAB COVERED TRENCHES, CONDUITS, POLE FOUNDATIONS AND/OR SUB- GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE COUNTY WITH A SEVEN DAYS ADVANCED NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR PRE - TRENCHING, SURVEY AND BACK FILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.
22. SELECTIVE CLEARING AND GRUBBING (0110-2-2) WILL BE NEEDED FOR TREE TRIMMING AT SEVERAL PROPOSED LIGHTING LOCATIONS. SEE LIGHTING PLANS FOR ADDITIONAL DETAILS.
23. ALL STORMSEWER PIPE SHALL BE RCP UNLESS OTHERWISE NOTED.
24. THE CONTRACTOR SHALL PROVIDE FOR ADEQUATE EROSION AND SEDIMENT CONTROL THROUGHOUT THE CONSTRUCTION PERIOD. INCLUDED EROSION CONTROL PLANS HAVE BEEN PROVIDED AS A BASIS OF ESTIMATE FOR MATERIALS AND AS AN EXAMPLE ONLY. IT IS SOLELY THE CONTRACTORS RESPONSIBILITY TO DEVELOP THEIR OWN SITE SPECIFIC PLAN. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND / OR MODIFYING THE EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION AS NECESSARY TO MEET FEDERAL, STATE, AND LOCAL WATER QUALITY STANDARDS. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE 'STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL, LATEST EDITION, OR FDOT STANDARD PLANS.
24. EROSION CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND ALTERATION, MAINTAINED DURING CONSTRUCTION, AND REMOVED FOLLOWING SOIL STABILIZATION AND FINAL COMPLETION. CONTRACTOR IS RESPONSIBLE FOR INSPECTION, MAINTAINANCE, AND MODIFICATION OF EROSION CONTROLS TO MAINTAIN THEIR INTENDED FUNCTION.
25. NO DISCHARGE OF CONTAMINANTS INTO ADJACENT WETLANDS, WATER BODIES, OR UPLAND BUFFERS ARE PERMITTED.
26. CONTRACTOR IS RESPONSIBLE FOR TURBIDITY NTU MONITORING PER THE PERMIT REQUIREMENTS. ANY MONITORING RELATED COSTS ARE INCLUDED IN THE COST OF MOBILIZATION.
27. ALL SURFACE WATER DISCHARGE FROM SITE, INCLUDING DEWATERING DISCHARGE, SHALL MEET CURRENT STATE WATER QUALITY STANDARDS PRIOR TO REACHING ANY WATERS OF THE STATE.

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			14
					VILLAGE OF ESTERO	CN 2022-02			

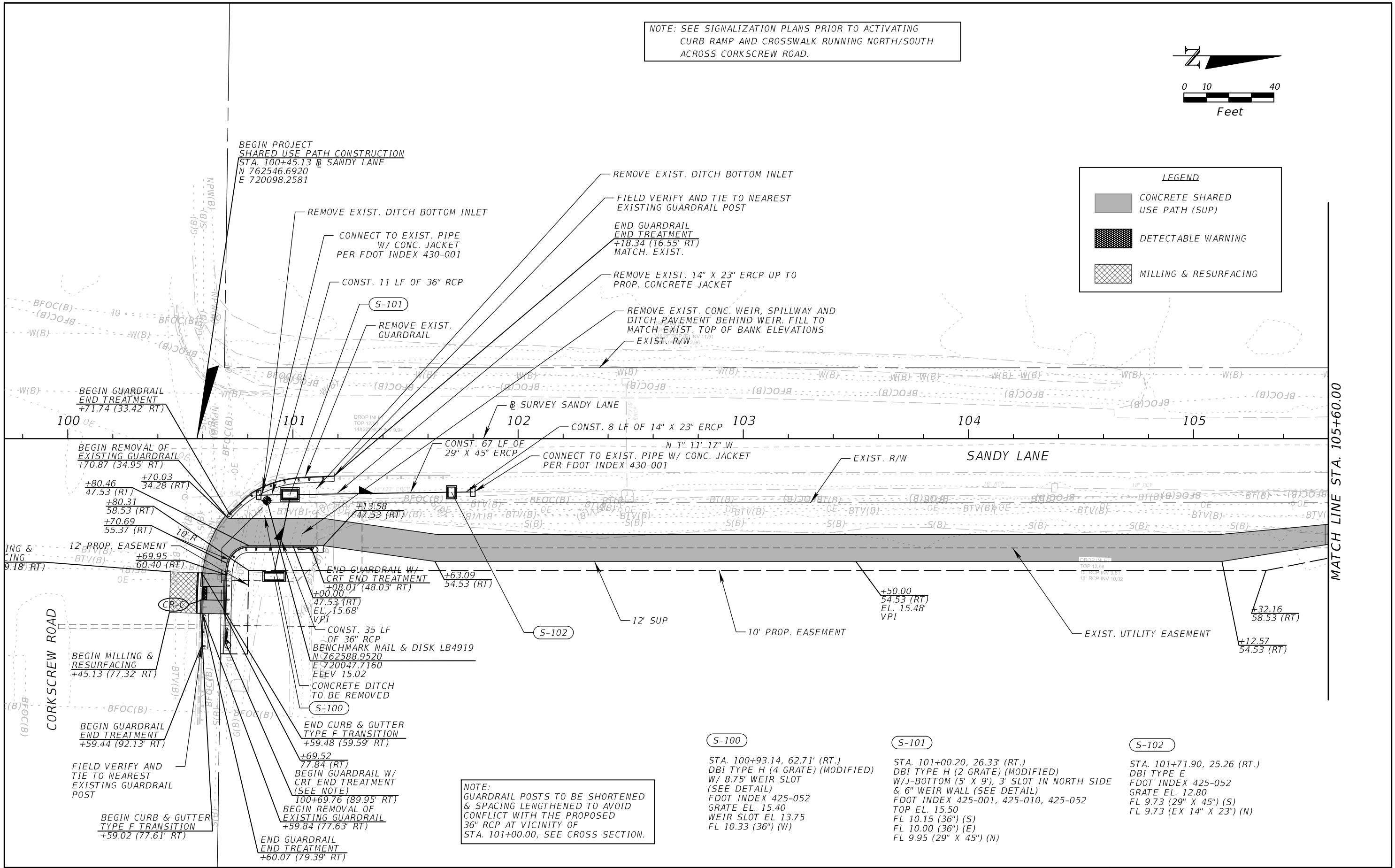
NOTE: SEE SIGNALIZATION PLANS PRIOR TO ACTIVATING CURB RAMP AND CROSSWALK RUNNING NORTH/SOUTH ACROSS CORKSCREW ROAD.



BEGIN PROJECT SHARED USE PATH CONSTRUCTION  
 STA. 100+45.13 @ SANDY LANE  
 N 762546.6920  
 E 720098.2581

**LEGEND**

- CONCRETE SHARED USE PATH (SUP)
- DETECTABLE WARNING
- MILLING & RESURFACING



NOTE: GUARDRAIL POSTS TO BE SHORTENED & SPACING LENGTHENED TO AVOID CONFLICT WITH THE PROPOSED 36" RCP AT VICINITY OF STA. 101+00.00, SEE CROSS SECTION.

- S-100**  
 STA. 100+93.14, 62.71' (RT.)  
 DBI TYPE H (4 GRATE) (MODIFIED)  
 W/ 8.75' WEIR SLOT (SEE DETAIL)  
 FDOT INDEX 425-052  
 GRATE EL. 15.40  
 WEIR SLOT EL. 13.75  
 FL 10.33 (36") (W)
- S-101**  
 STA. 101+00.20, 26.33' (RT.)  
 DBI TYPE H (2 GRATE) (MODIFIED)  
 W/J-BOTTOM (5' X 9'), 3' SLOT IN NORTH SIDE  
 & 6" WEIR WALL (SEE DETAIL)  
 FDOT INDEX 425-001, 425-010, 425-052  
 TOP EL. 15.50  
 FL 10.15 (36") (S)  
 FL 10.00 (36") (E)  
 FL 9.95 (29" X 45") (N)
- S-102**  
 STA. 101+71.90, 25.26' (RT.)  
 DBI TYPE E  
 FDOT INDEX 425-052  
 GRATE EL. 12.80  
 FL 9.73 (29" X 45") (S)  
 FL 9.73 (EX 14" X 23") (N)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

**SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS**

CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



**PLAN SHEET (1)**

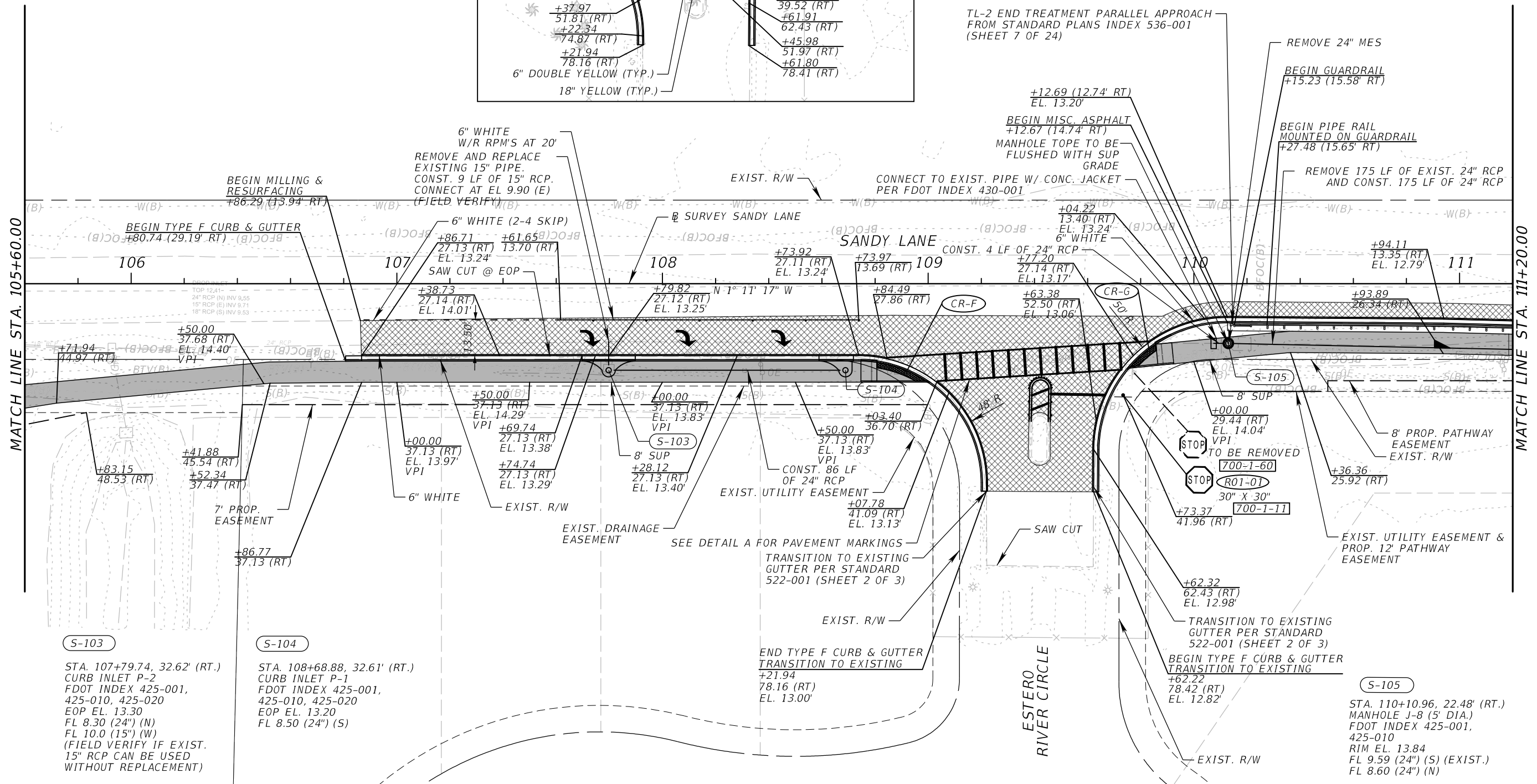
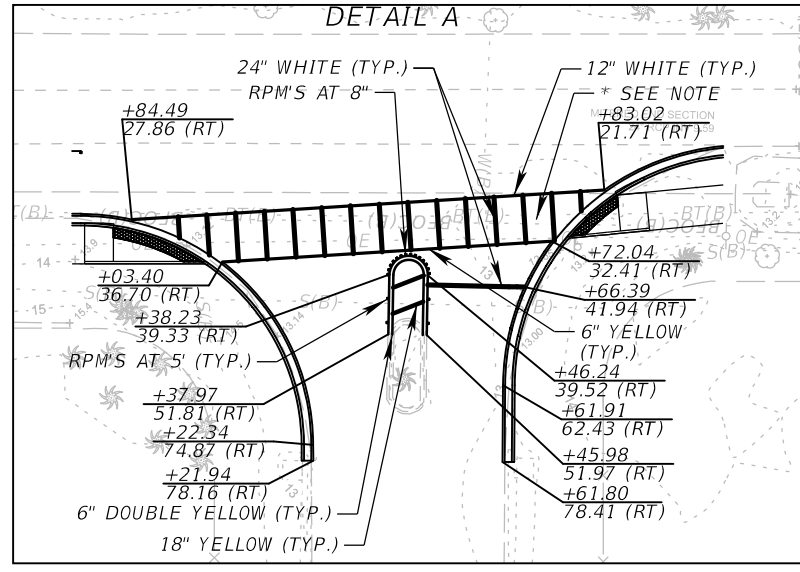
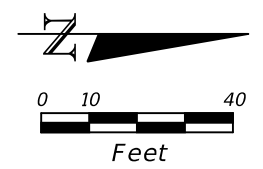
SHEET NO. 15

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**LEGEND**

	CONCRETE SHARED USE PATH (SUP)
	DETECTABLE WARNING
	MILLING & RESURFACING

\* NOTE:  
ADDITIONAL ASPHALT PAVEMENT REQUIRED TO FILL DIP IN ROADWAY AT THE NORTHEAST QUADRANT. QUANTITY INCLUDED UNDER PAY ITEM NO. 0337-7-80.



**S-103**  
STA. 107+79.74, 32.62' (RT.)  
CURB INLET P-2  
FDOT INDEX 425-001,  
425-010, 425-020  
EOP EL. 13.30  
FL 8.30 (24") (N)  
FL 10.0 (15") (W)  
(FIELD VERIFY IF EXIST.  
15" RCP CAN BE USED  
WITHOUT REPLACEMENT)

**S-104**  
STA. 108+68.88, 32.61' (RT.)  
CURB INLET P-1  
FDOT INDEX 425-001,  
425-010, 425-020  
EOP EL. 13.20  
FL 8.50 (24") (S)

**S-105**  
STA. 110+10.96, 22.48' (RT.)  
MANHOLE J-8 (5' DIA.)  
FDOT INDEX 425-001,  
425-010  
RIM EL. 13.84  
FL 9.59 (24") (S) (EXIST.)  
FL 8.60 (24") (N)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
800 WATERFORD WAY, SUITE 700  
MIAMI, FLORIDA 33126  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



**PLAN SHEET (2)**

SHEET NO.  
**16**




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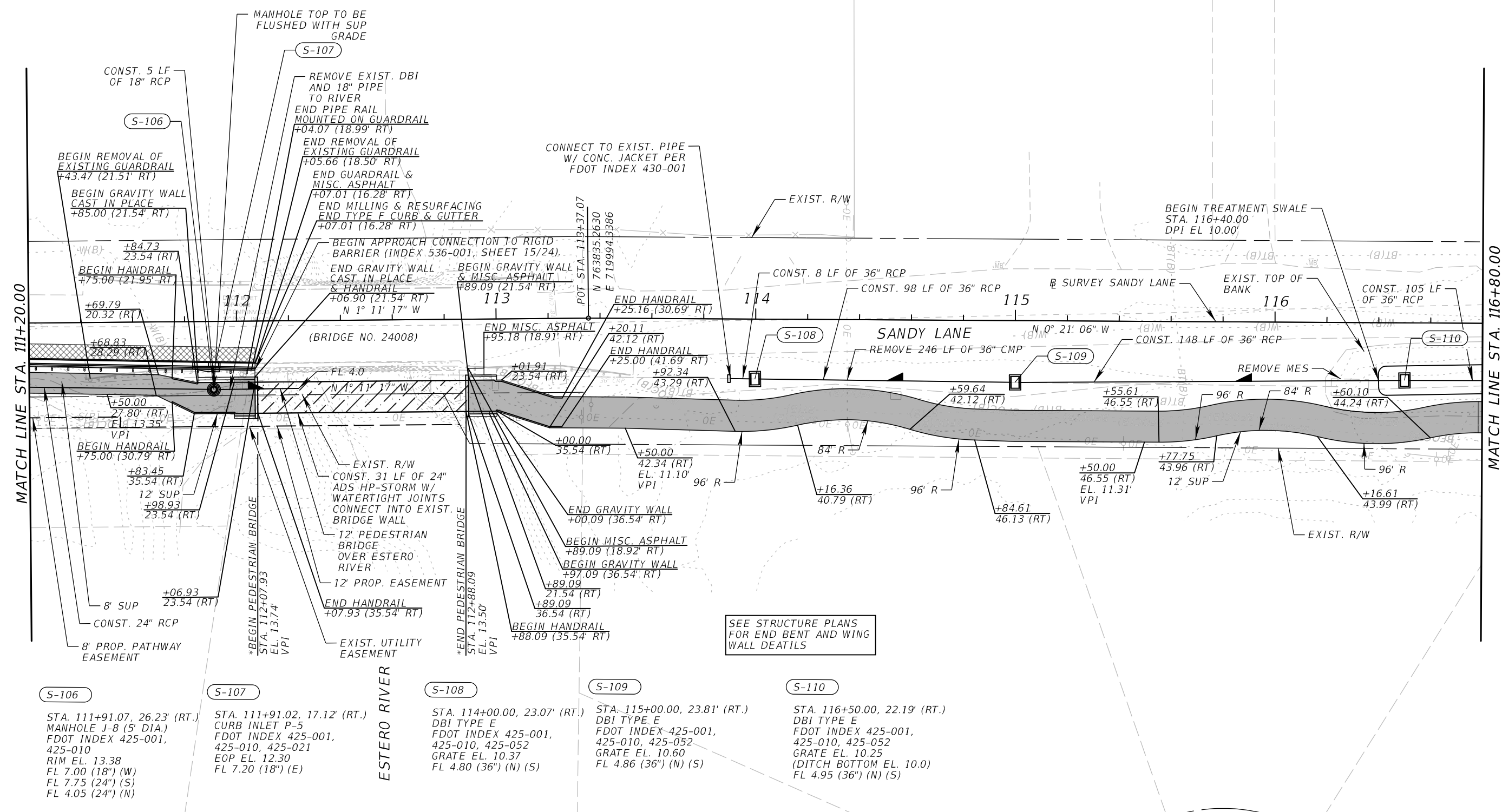
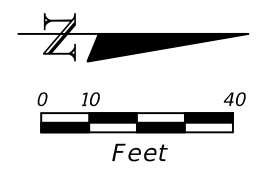


ESTERO RIVER

**NOTES:**  
 1) SUP TRANSITION FROM STA. 111+87.93 TO STA. 112+07.93 (-2% TO 0%) AND FROM STA. 112+88.09 TO STA. 113+08.09 (0% TO -2%).  
 2) SEE STRUCTURE PLANS FOR WING WALL DETAILS  
 3) GRAVITY WALLS PER FDOT STANDARD 400-011 SCHEME 1. SEE CROSS SECTIONS FOR HEIGHTS

**LEGEND**

-  CONCRETE SHARED USE PATH (SUP)
-  PEDESTRIAN BRIDGE
-  MILLING & RESURFACING



**S-106**  
 STA. 111+91.07, 26.23' (RT.)  
 MANHOLE J-8 (5' DIA.)  
 FDOT INDEX 425-001,  
 425-010  
 RIM EL. 13.38  
 FL 7.00 (18") (W)  
 FL 7.75 (24") (S)  
 FL 4.05 (24") (N)

**S-107**  
 STA. 111+91.02, 17.12' (RT.)  
 CURB INLET P-5  
 FDOT INDEX 425-001,  
 425-010, 425-021  
 EOP EL. 12.30  
 FL 7.20 (18") (E)

**S-108**  
 STA. 114+00.00, 23.07' (RT.)  
 DBI TYPE E  
 FDOT INDEX 425-001,  
 425-010, 425-052  
 GRATE EL. 10.37  
 FL 4.80 (36") (N) (S)

**S-109**  
 STA. 115+00.00, 23.81' (RT.)  
 DBI TYPE E  
 FDOT INDEX 425-001,  
 425-010, 425-052  
 GRATE EL. 10.60  
 FL 4.86 (36") (N) (S)

**S-110**  
 STA. 116+50.00, 22.19' (RT.)  
 DBI TYPE E  
 FDOT INDEX 425-001,  
 425-010, 425-052  
 GRATE EL. 10.25  
 (DITCH BOTTOM EL. 10.0)  
 FL 4.95 (36") (N) (S)

SEE STRUCTURE PLANS FOR END BENT AND WING WALL DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



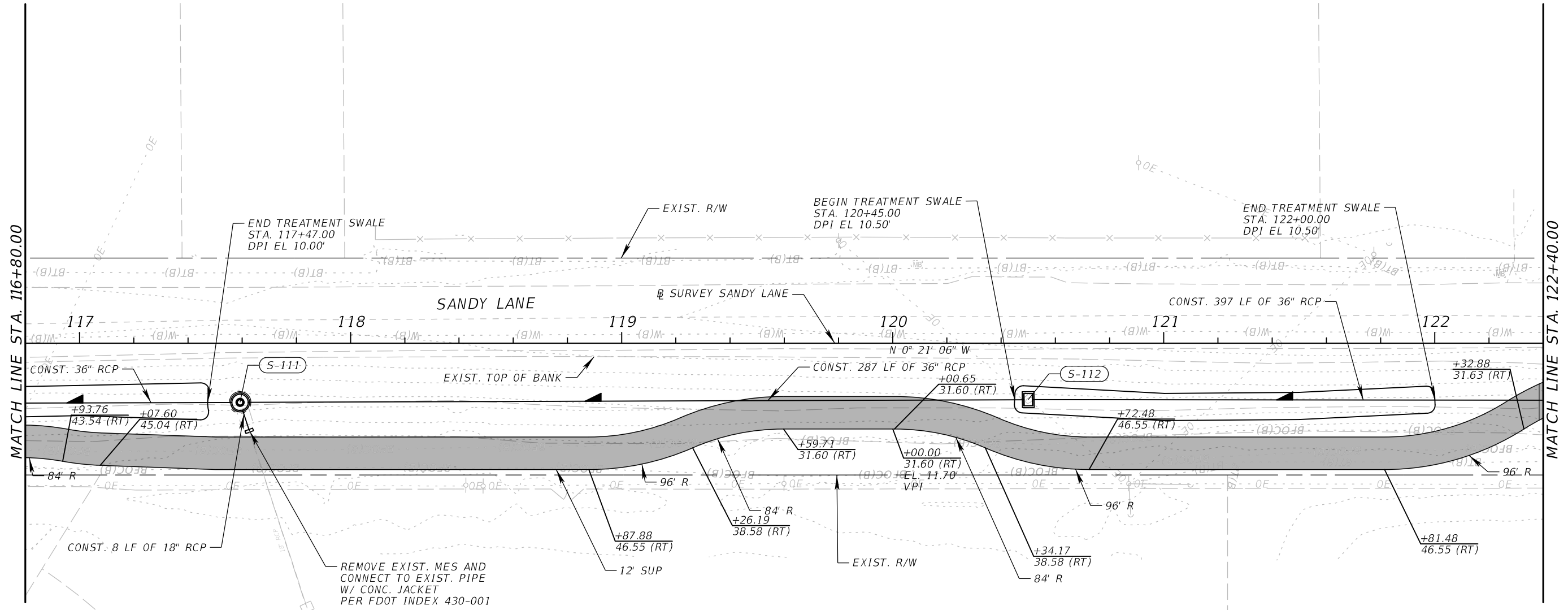
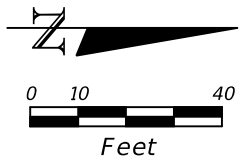
PLAN SHEET (3)

SHEET NO.  
17

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**LEGEND**

CONCRETE SHARED USE PATH (SUP)



**S-111**  
 STA. 117+59.23, 21.80' (RT.)  
 MANHOLE J-7 (6' DIA.)  
 FDOT INDEX 425-001,  
 425-010  
 RIM EL. 12.00  
 FL 5.00 (36") (N) (S)  
 FL 8.35 (18") (E)

**S-112**  
 STA. 120+50.00, 22.19' (RT.)  
 DBI TYPE E  
 FDOT INDEX 425-001,  
 425-010, 425-052  
 GRATE EL. 10.75  
 (DITCH BOTTOM EL. 10.50)  
 FL 5.18 (36") (N) (S)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

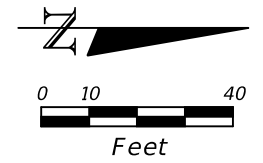
**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
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SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



PLAN SHEET (4)

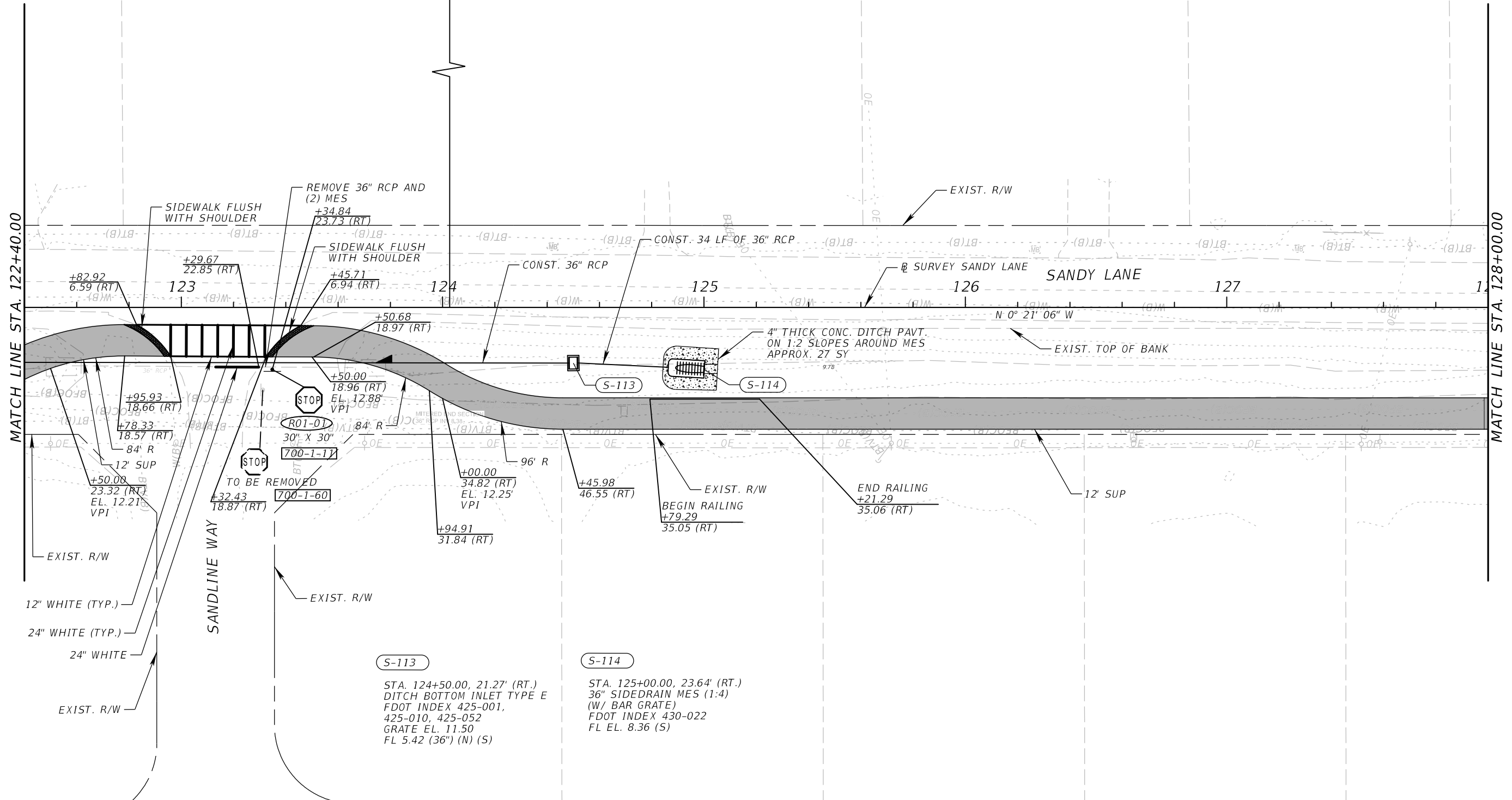
SHEET NO.  
18



**LEGEND**

	CONCRETE SHARED USE PATH (SUP)
	DETECTABLE WARNING

VERTICAL BENCHMARK FDOT #1115  
 N 764890.1010  
 E 717989.1880  
 ELEV 11.88



**S-113**  
 STA. 124+50.00, 21.27' (RT.)  
 DITCH BOTTOM INLET TYPE E  
 FDOT INDEX 425-001,  
 425-010, 425-052  
 GRATE EL. 11.50  
 FL 5.42 (36") (N) (S)

**S-114**  
 STA. 125+00.00, 23.64' (RT.)  
 36" SIDEDRAIN MES (1:4)  
 (W/ BAR GRATE)  
 FDOT INDEX 430-022  
 FL EL. 8.36 (S)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
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 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



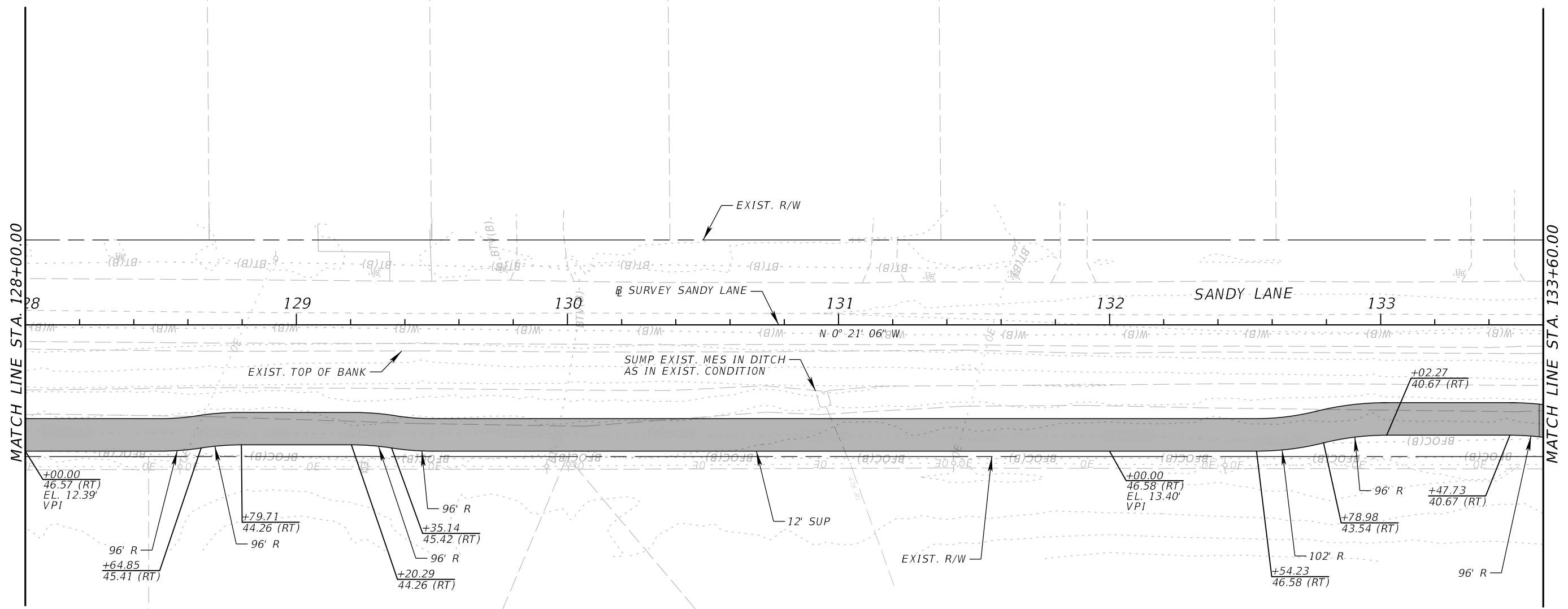
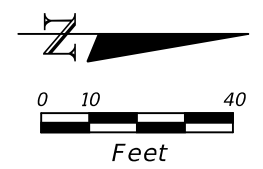
PLAN SHEET (5)

SHEET NO.  
19

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**LEGEND**

CONCRETE SHARED  
USE PATH (SUP)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

**SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS**

CLIENT: VILLAGE OF ESTERO  
 PROJECT ID: CN 2022-02



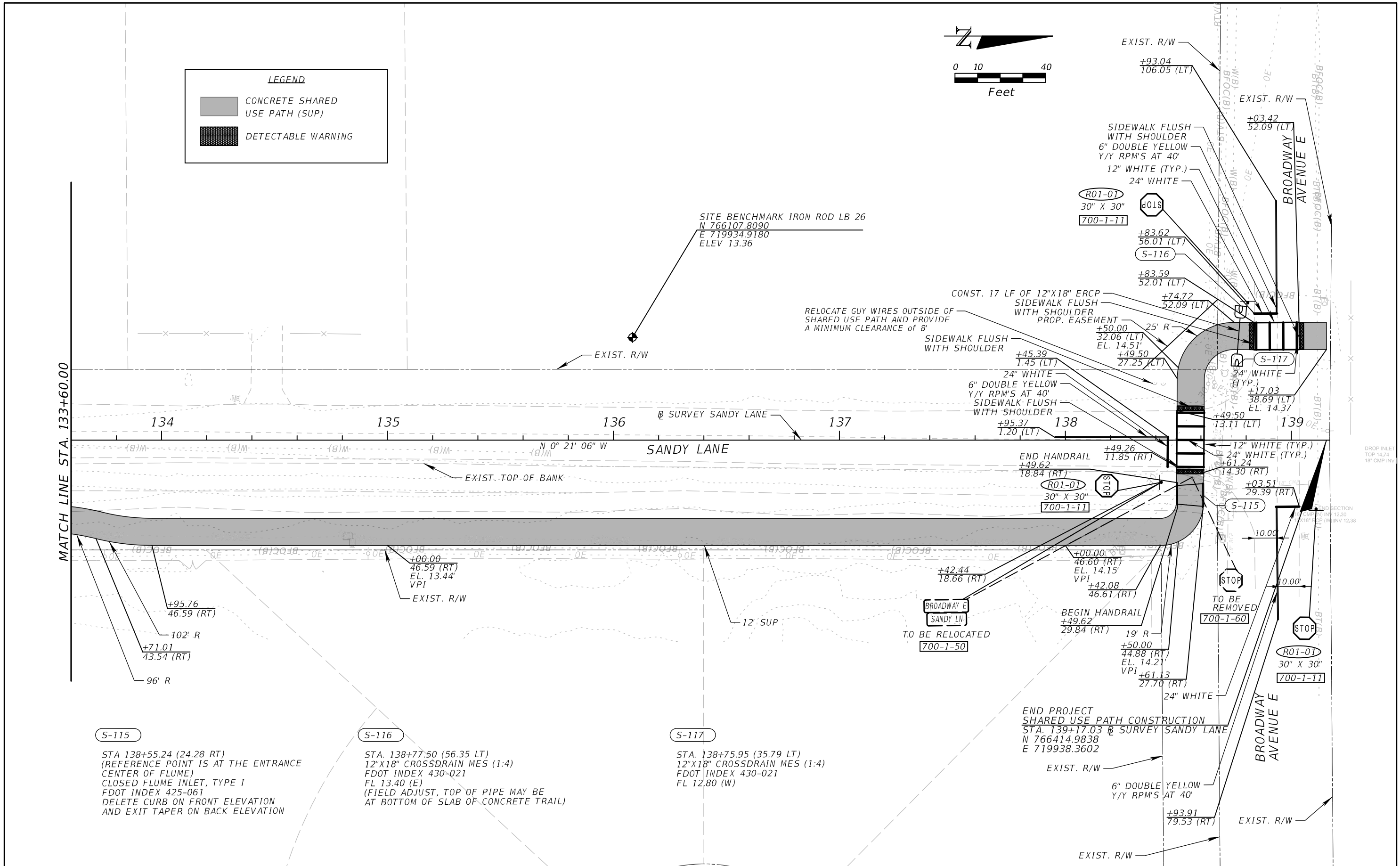
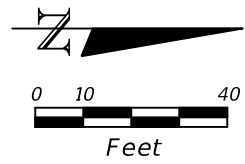
**PLAN SHEET (6)**

SHEET NO.  
**20**

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**LEGEND**

- CONCRETE SHARED USE PATH (SUP)
- DETECTABLE WARNING



**S-115**  
 STA 138+55.24 (24.28 RT)  
 (REFERENCE POINT IS AT THE ENTRANCE CENTER OF FLUME)  
 CLOSED FLUME INLET, TYPE I  
 FDOT INDEX 425-061  
 DELETE CURB ON FRONT ELEVATION AND EXIT TAPER ON BACK ELEVATION

**S-116**  
 STA. 138+77.50 (56.35 LT)  
 12"X18" CROSSDRAIN MES (1:4)  
 FDOT INDEX 430-021  
 FL 13.40 (E)  
 (FIELD ADJUST, TOP OF PIPE MAY BE AT BOTTOM OF SLAB OF CONCRETE TRAIL)

**S-117**  
 STA. 138+75.95 (35.79 LT)  
 12"X18" CROSSDRAIN MES (1:4)  
 FDOT INDEX 430-021  
 FL 12.80 (W)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

**SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS**

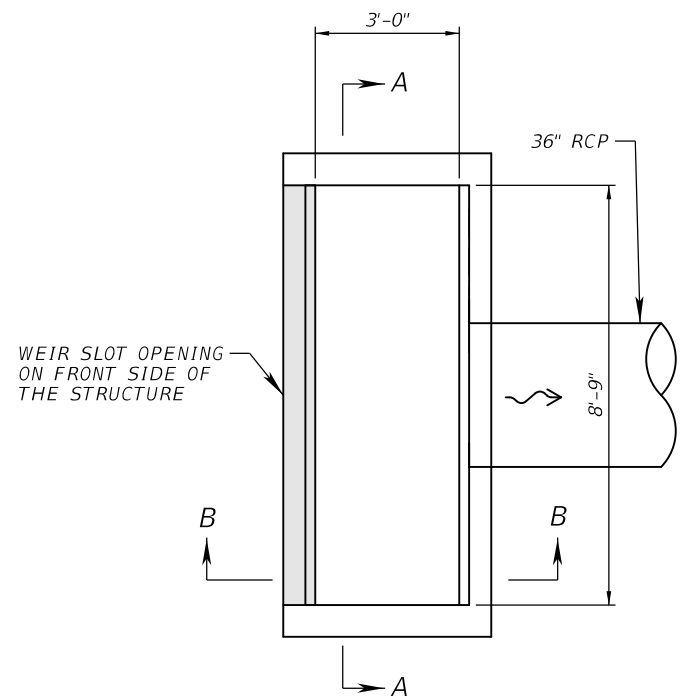
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02

**PLAN SHEET (7)**

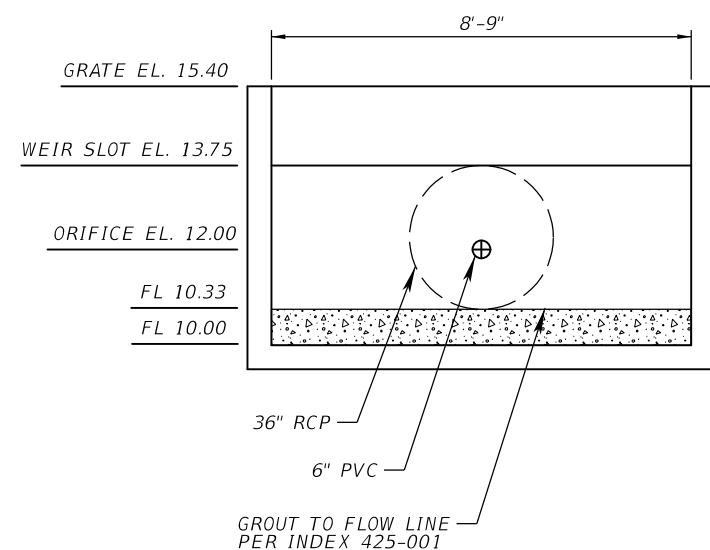
Village of **ESTERO**

SHEET NO. **21**

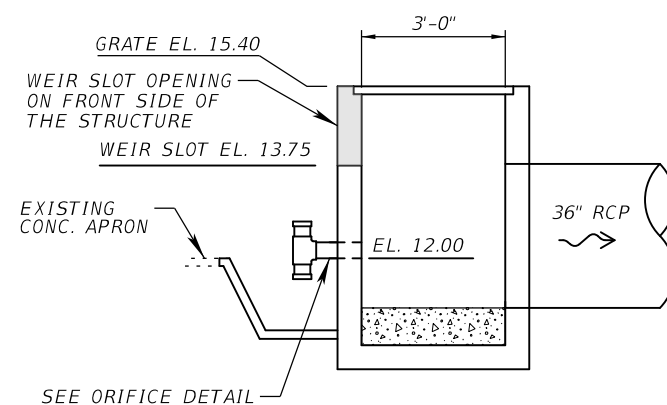
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



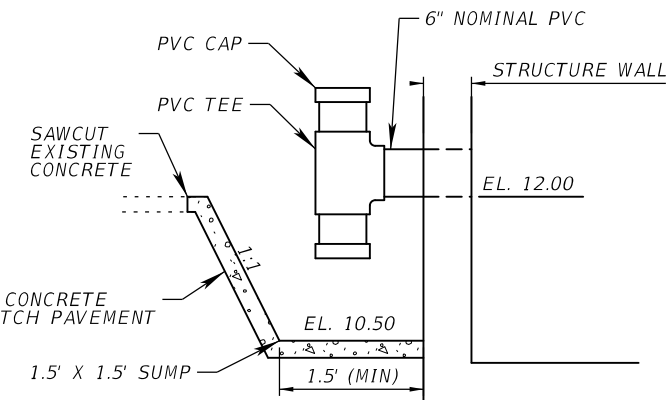
**PLAN VIEW**  
NTS



**SECTION A-A**  
NTS



**SECTION B-B**  
NTS

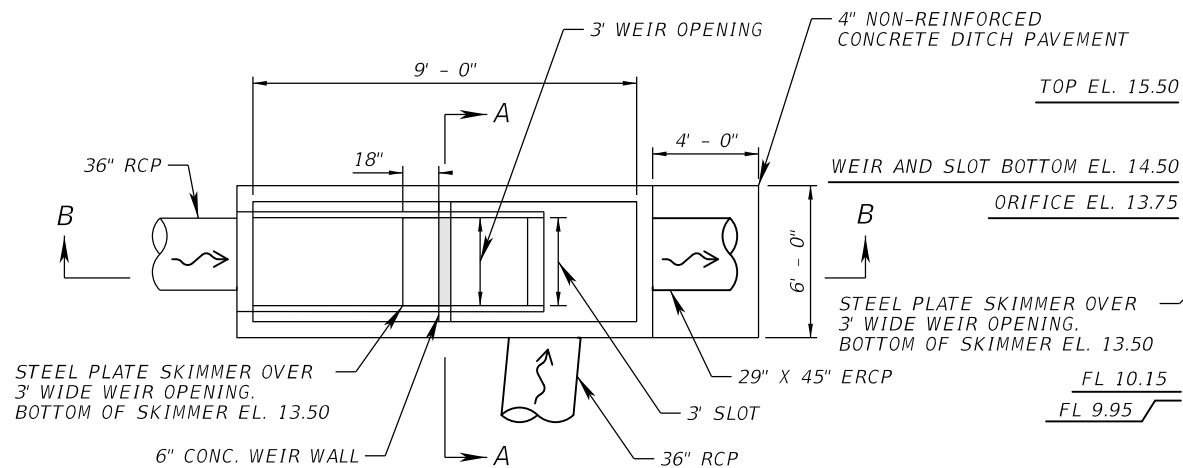


**ORIFICE DETAIL**  
NTS

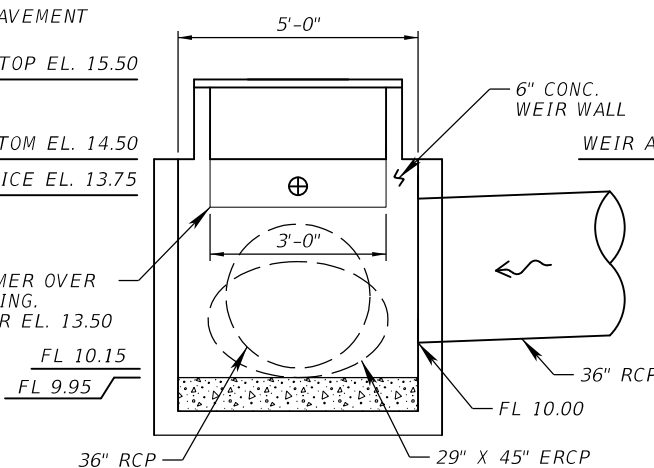
**S-100 - CONTROL STRUCTURE 1**

D.B.I. TYPE H (4 GRATE) (MODIFIED)  
INDEX 425-001, 425-052

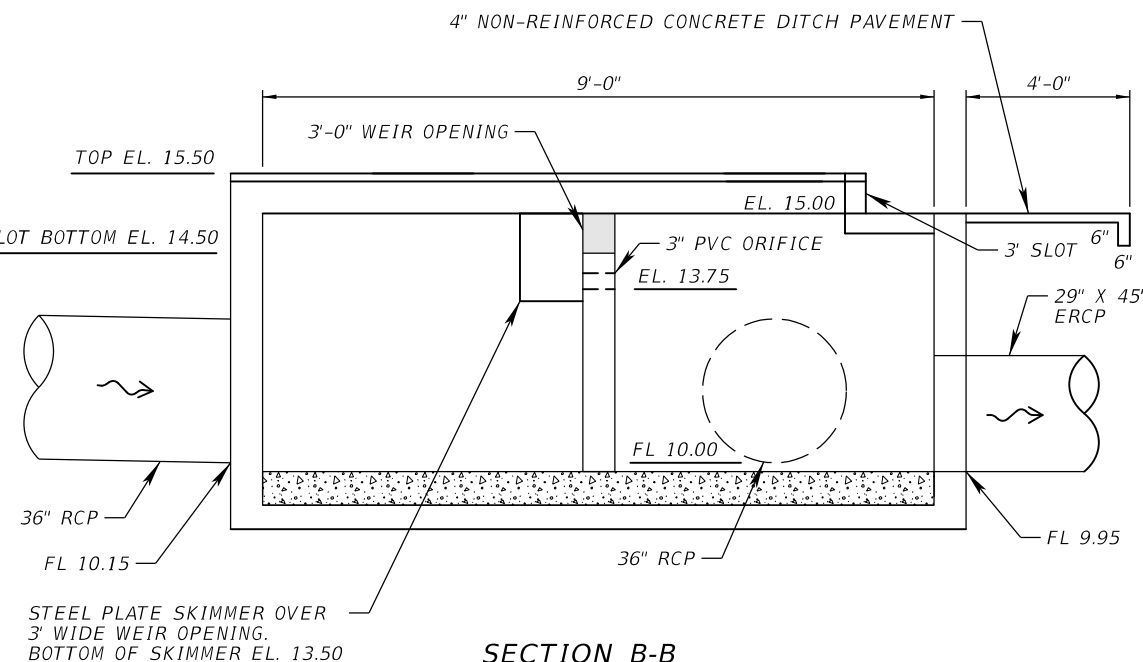
NOTE: COST OF DITCH PAVEMENT  
INCLUDED IN COST OF STRUCTURE



**PLAN VIEW**  
NTS



**SECTION A-A**  
NTS



**SECTION B-B**  
NTS

NOTE:  
STEEL PLATE SKIMMER TO BE 1/4" GALV. STEEL,  
BENT TO SHAPE AS SHOWN AND FASTENED TO THE  
SOUTH SIDE OF THE WEIR WALL WITH (5) 3/8" DIA.  
ANCHOR BOLTS EACH SIDE.

**S-101 - CONTROL STRUCTURE 2**

D.B.I. TYPE H (2 GRATE) (MODIFIED) WITH TYPE J-7 (ALT. B) BOTTOM (5' X 9')  
INDEX 425-001, 425-010, 425-052

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**

1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
CHRIS L. THOMPSON, P.E. #62505

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS

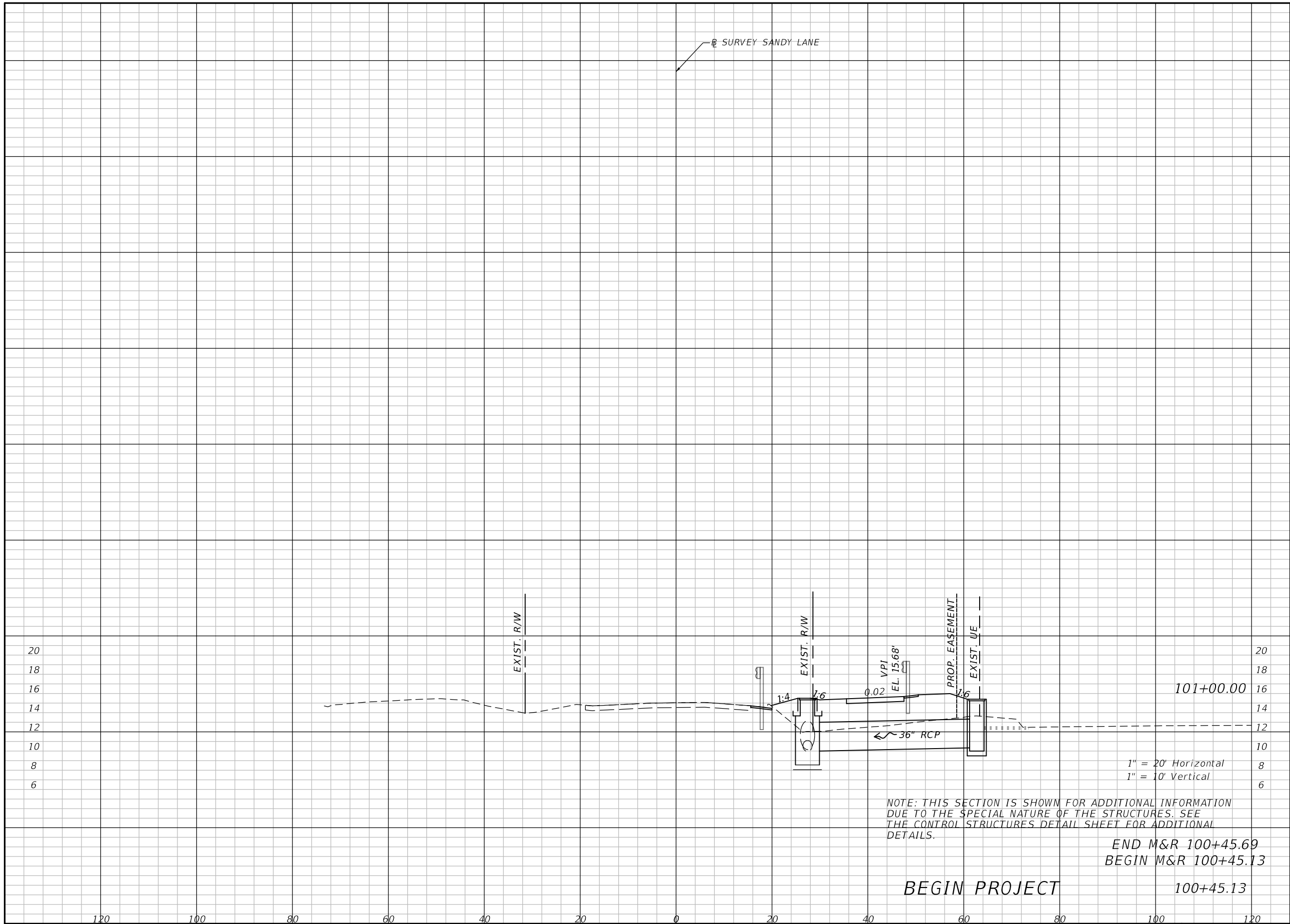
CLIENT  
VILLAGE OF ESTERO

PROJECT #  
CN 2022-02



CONTROL STRUCTURES  
DETAIL SHEET

SHEET  
NO.  
22



Regular Exc.		Embankment	
A	V	A	V
0	0	212	0

NOTE: THIS SECTION IS SHOWN FOR ADDITIONAL INFORMATION DUE TO THE SPECIAL NATURE OF THE STRUCTURES. SEE THE CONTROL STRUCTURES DETAIL SHEET FOR ADDITIONAL DETAILS.

END M&R 100+45.69  
 BEGIN M&R 100+45.13

BEGIN PROJECT 100+45.13

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS

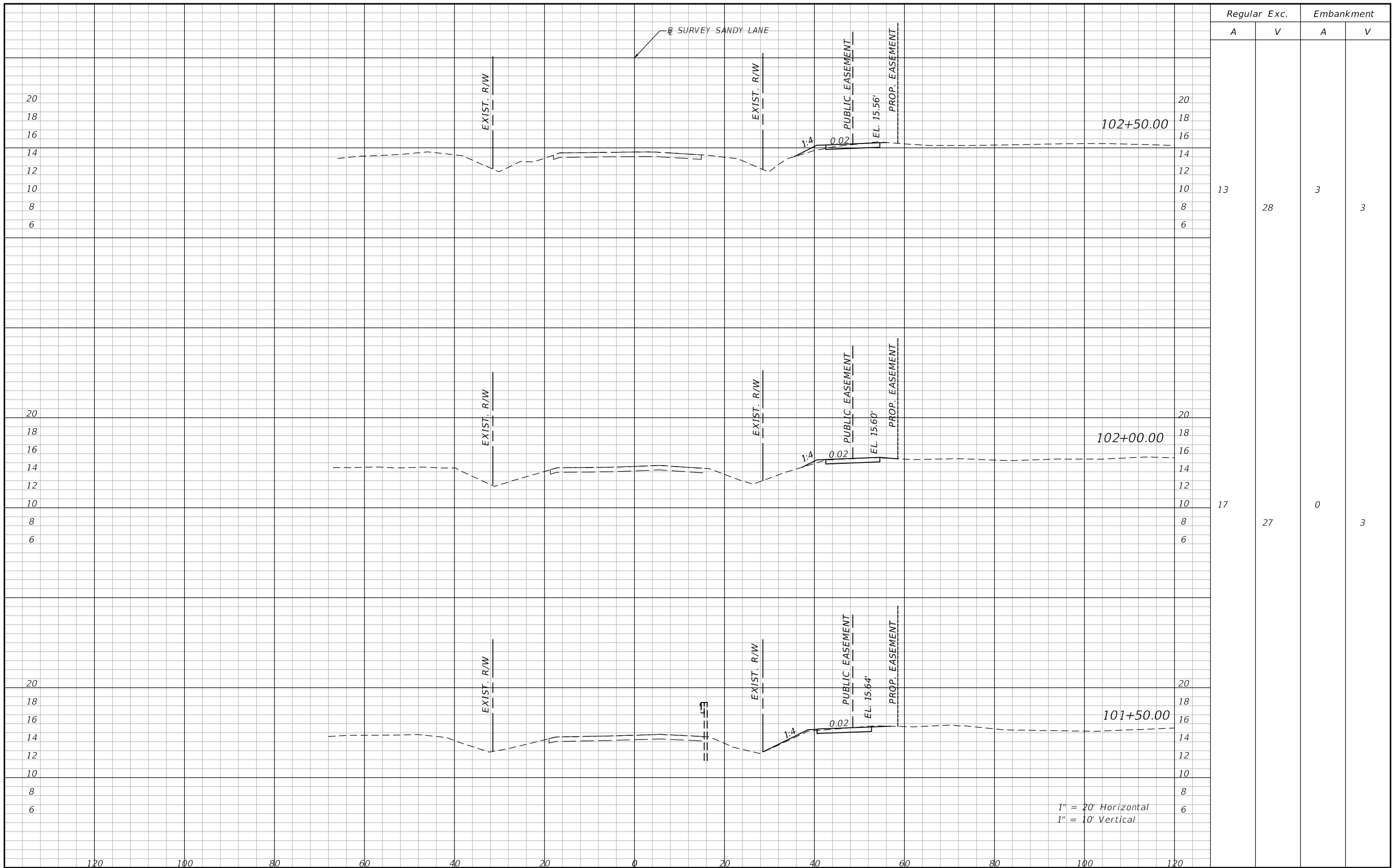
CLIENT: VILLAGE OF ESTERO PROJECT #: CN 2022-02



CROSS SECTIONS

SHEET NO. 23

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Regular		Exc.		Embankment	
A	V	A	V	A	V
13	28	3		3	
17	27	0		3	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS  
 CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02

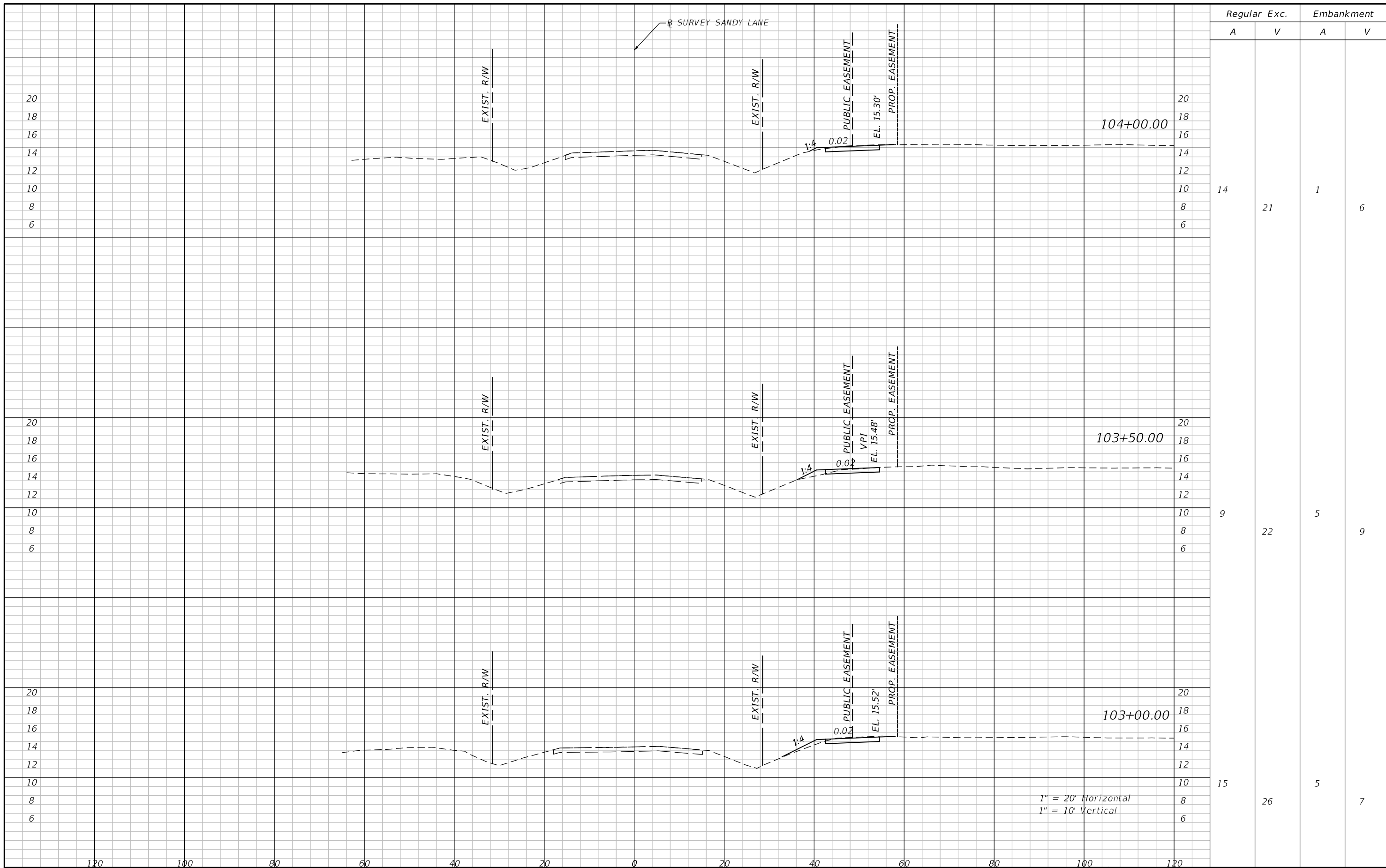


**CROSS SECTIONS**

SHEET NO.  
**24**

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





Regular Exc. Embankment

A V A V

14	21	1	6
9	22	5	9
15	26	5	7

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

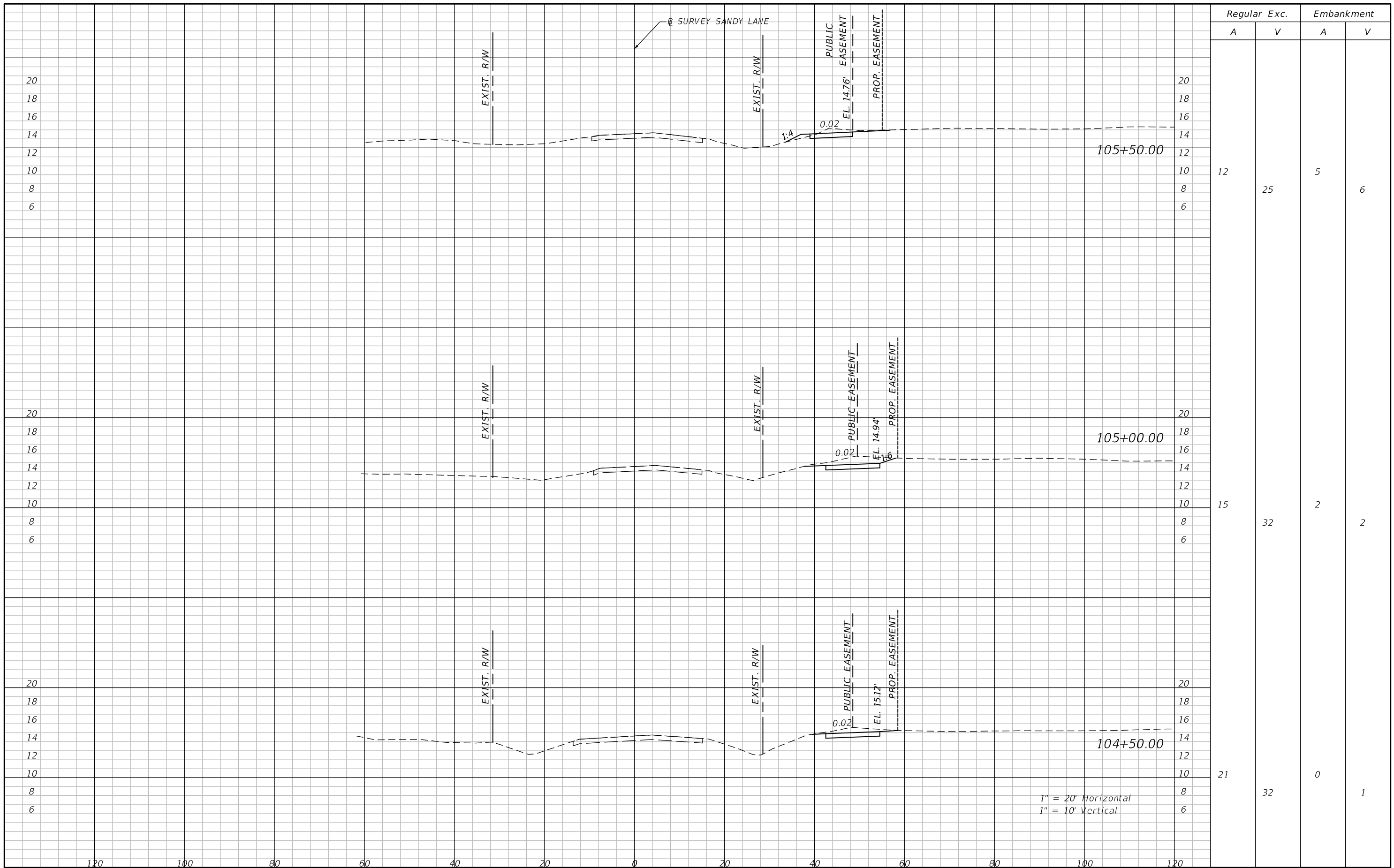
**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS  
 CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
25



Regular		Exc.		Embankment	
A	V	A	V	A	V
12	25	5		6	
15	32	2		2	
21	32	0		1	

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS

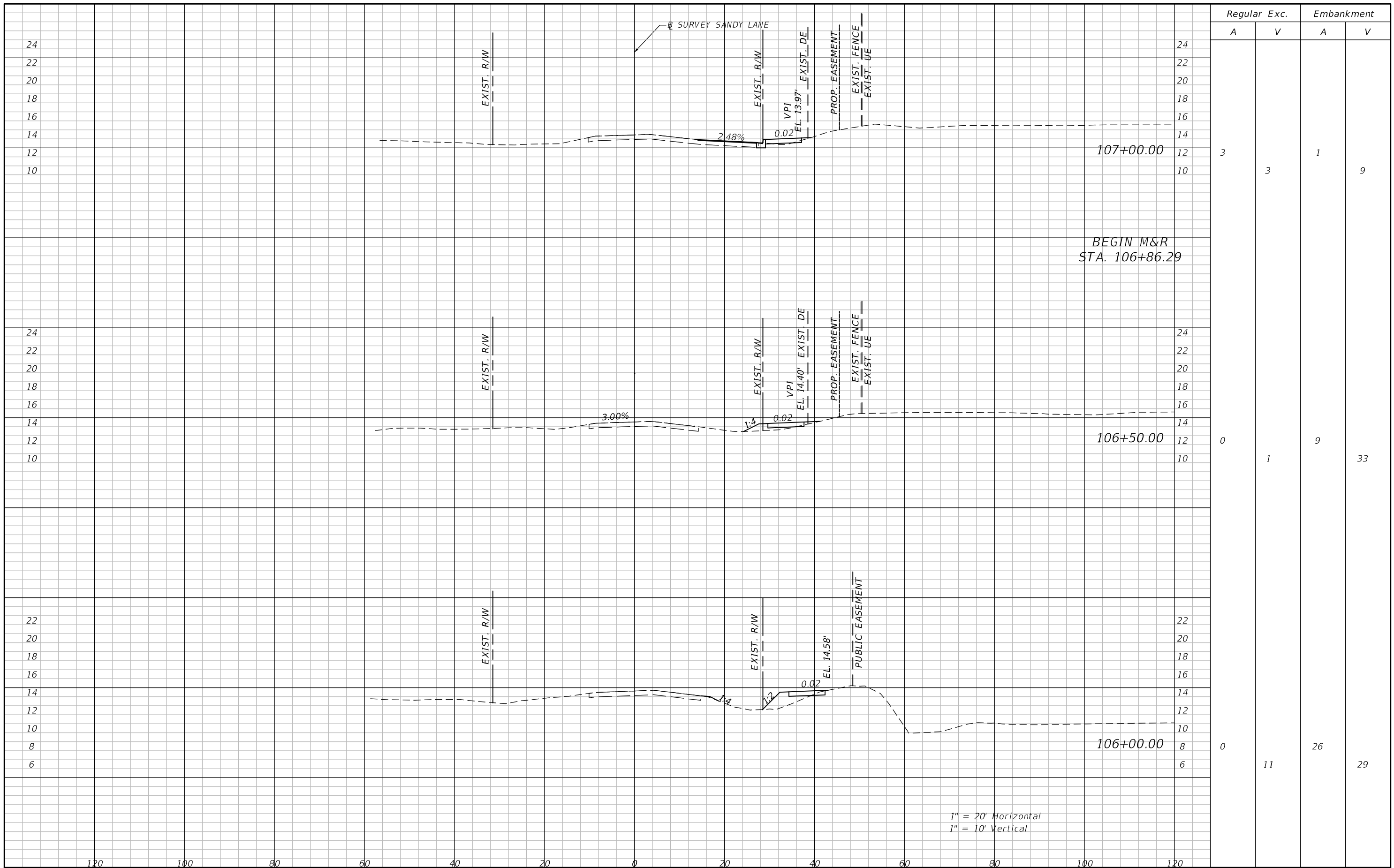
CLIENT: VILLAGE OF ESTERO PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**26**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
3			3	1	
0			1	9	
0			11	26	

BEGIN M&R  
STA. 106+86.29

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

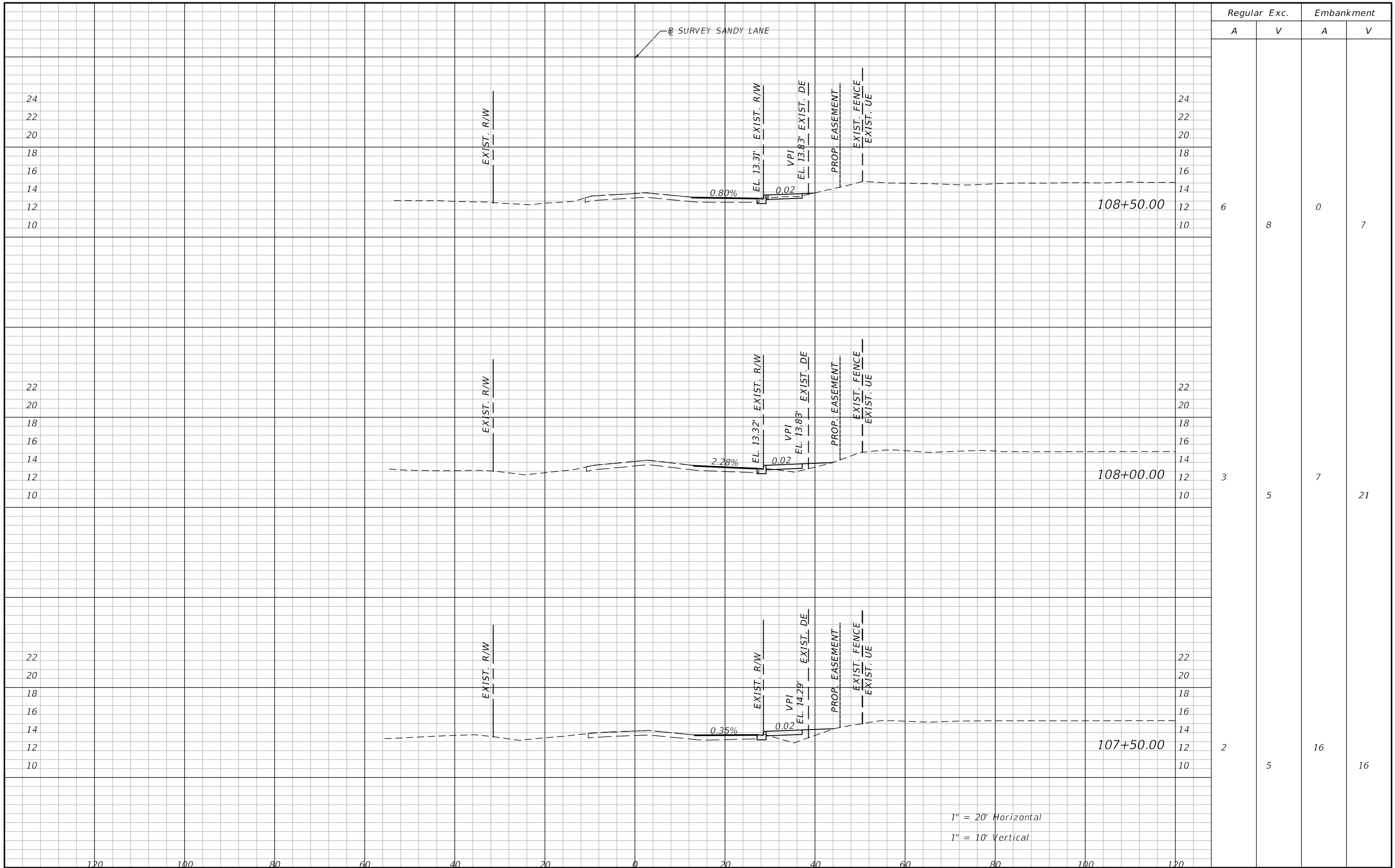
SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**27**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
6	8	0			7
3	5	7			21
2	5	16			16

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS

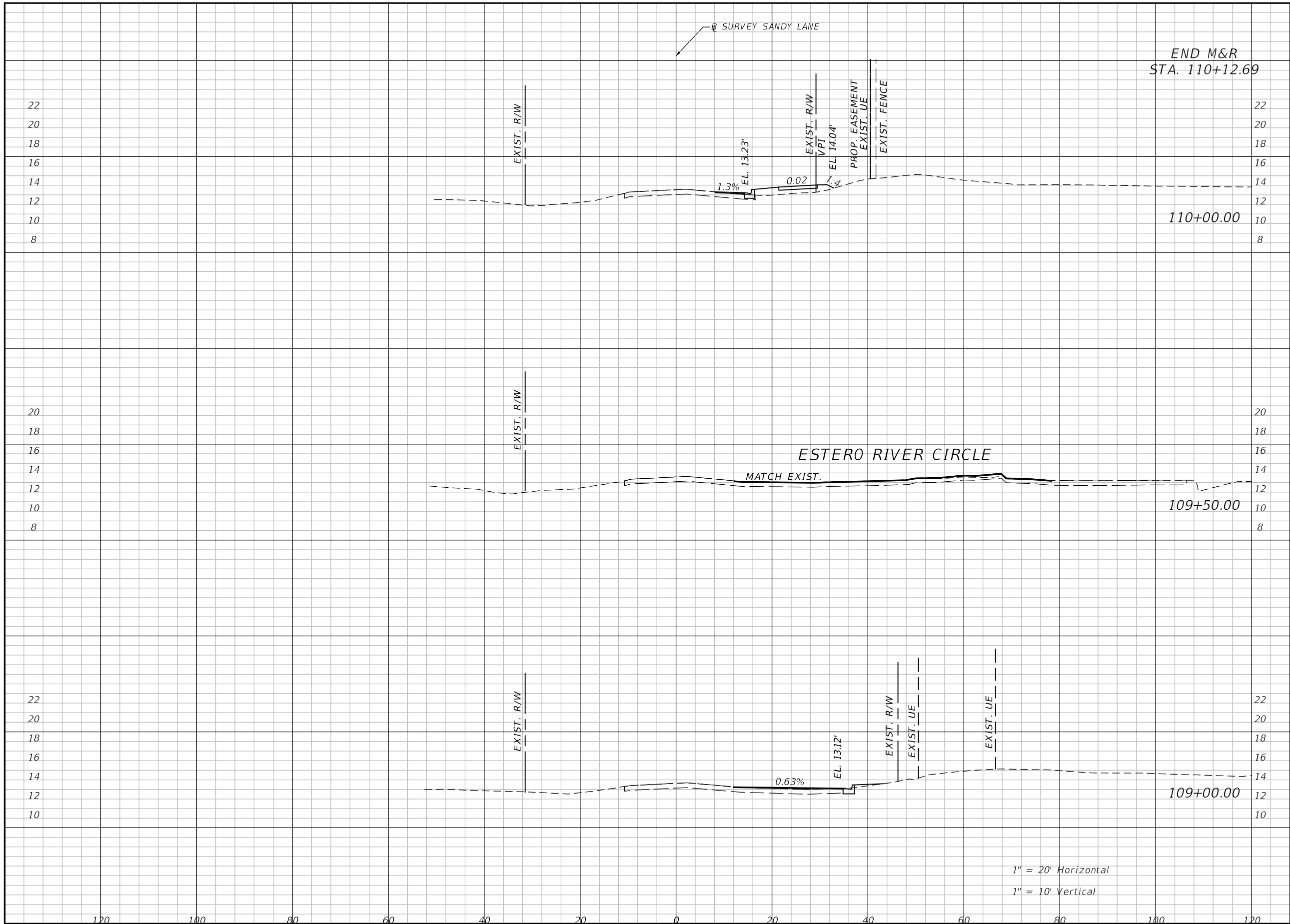
CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**28**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
2	1	17	15	0	2
0	3	0	2	3	8

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
29

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
2	4			55	97
2	4			50	103
2	3			62	73

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

**SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS**

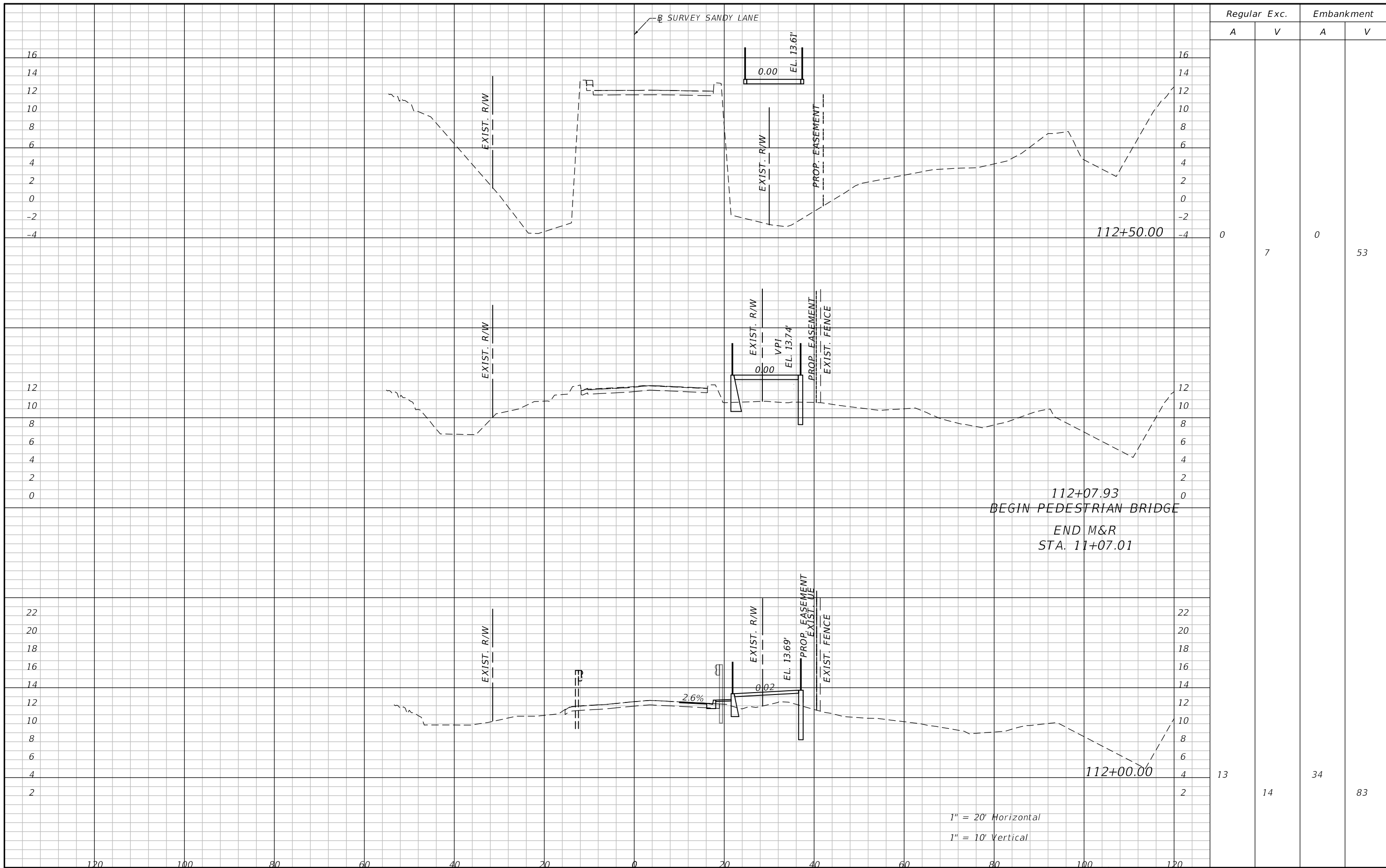
CLIENT: VILLAGE OF ESTERO      PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**30**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	7	0			53
13	14	34			83

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

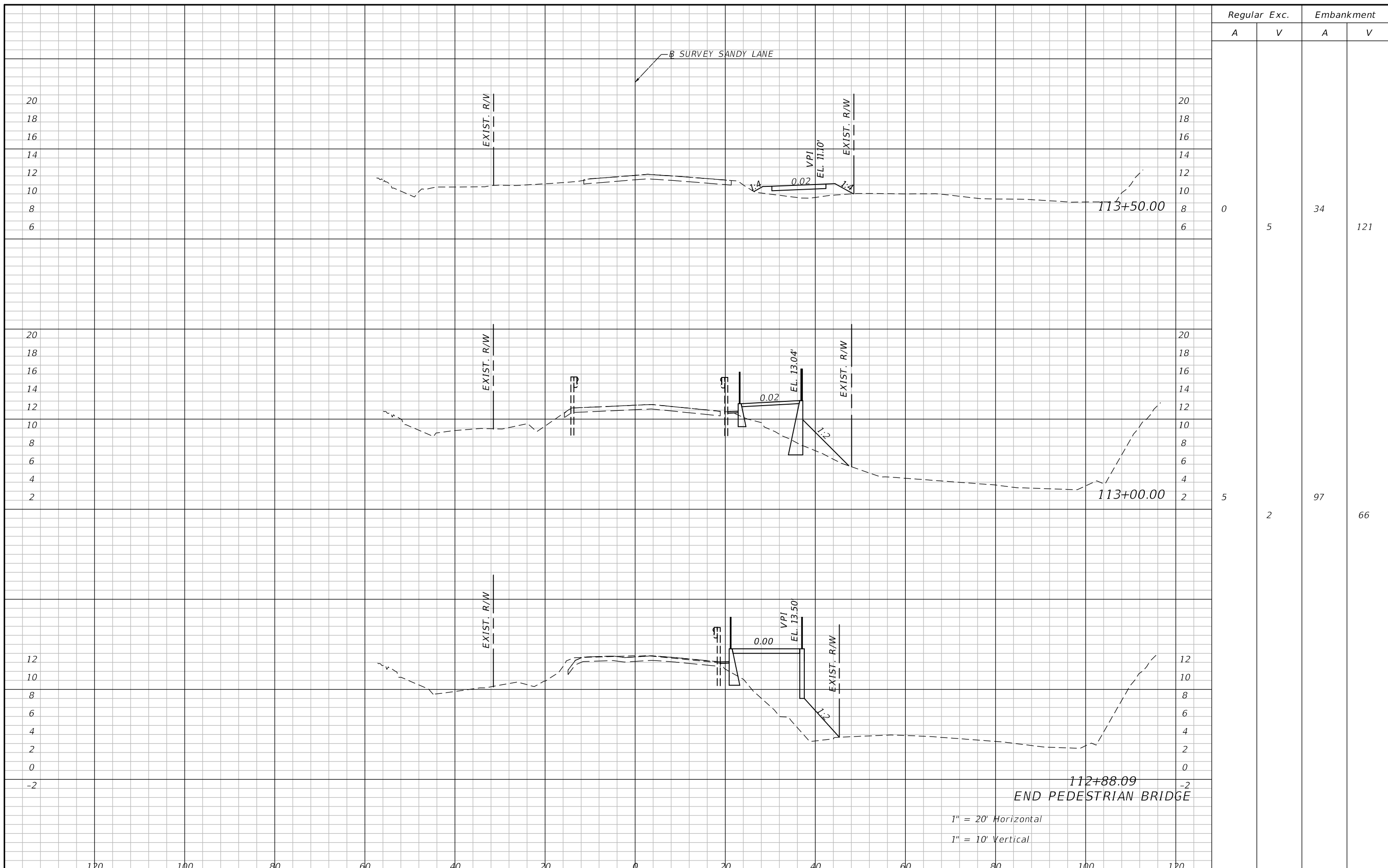
SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**31**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	5	34			121
5	2	97			66

1" = 20' Horizontal  
1" = 10' Vertical

112+88.09  
END PEDESTRIAN BRIDGE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS

CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02

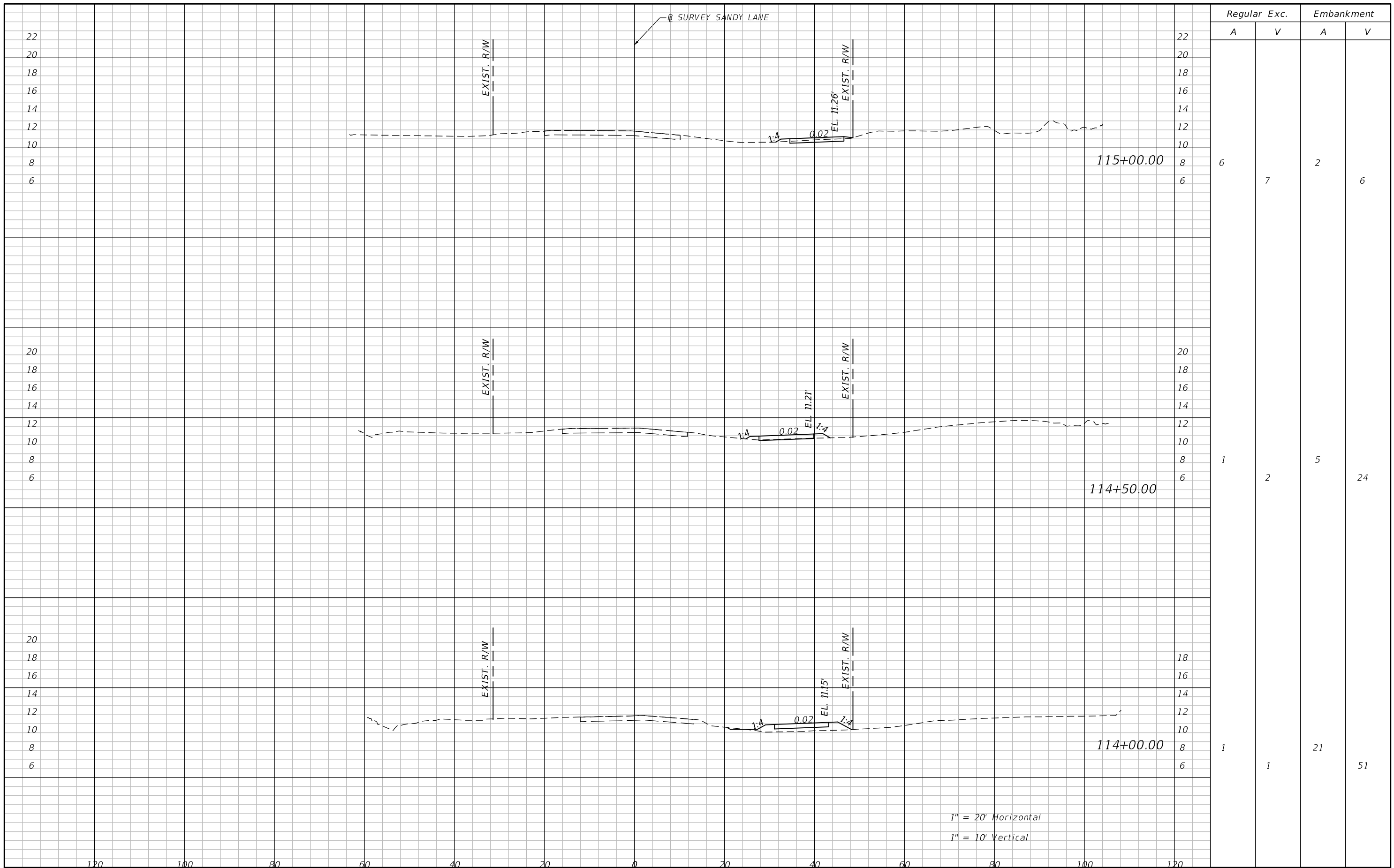


**CROSS SECTIONS**

SHEET NO.  
**32**

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





Regular Exc.    Embankment

A    V    A    V

22				
20				
18				
16				
14				
12				
10				
8	6		2	
6		7		6
20				
18				
16				
14				
12				
10				
8	1		5	
6		2		24
20				
18				
16				
14				
12				
10				
8				
6	1		21	
		1		51

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS

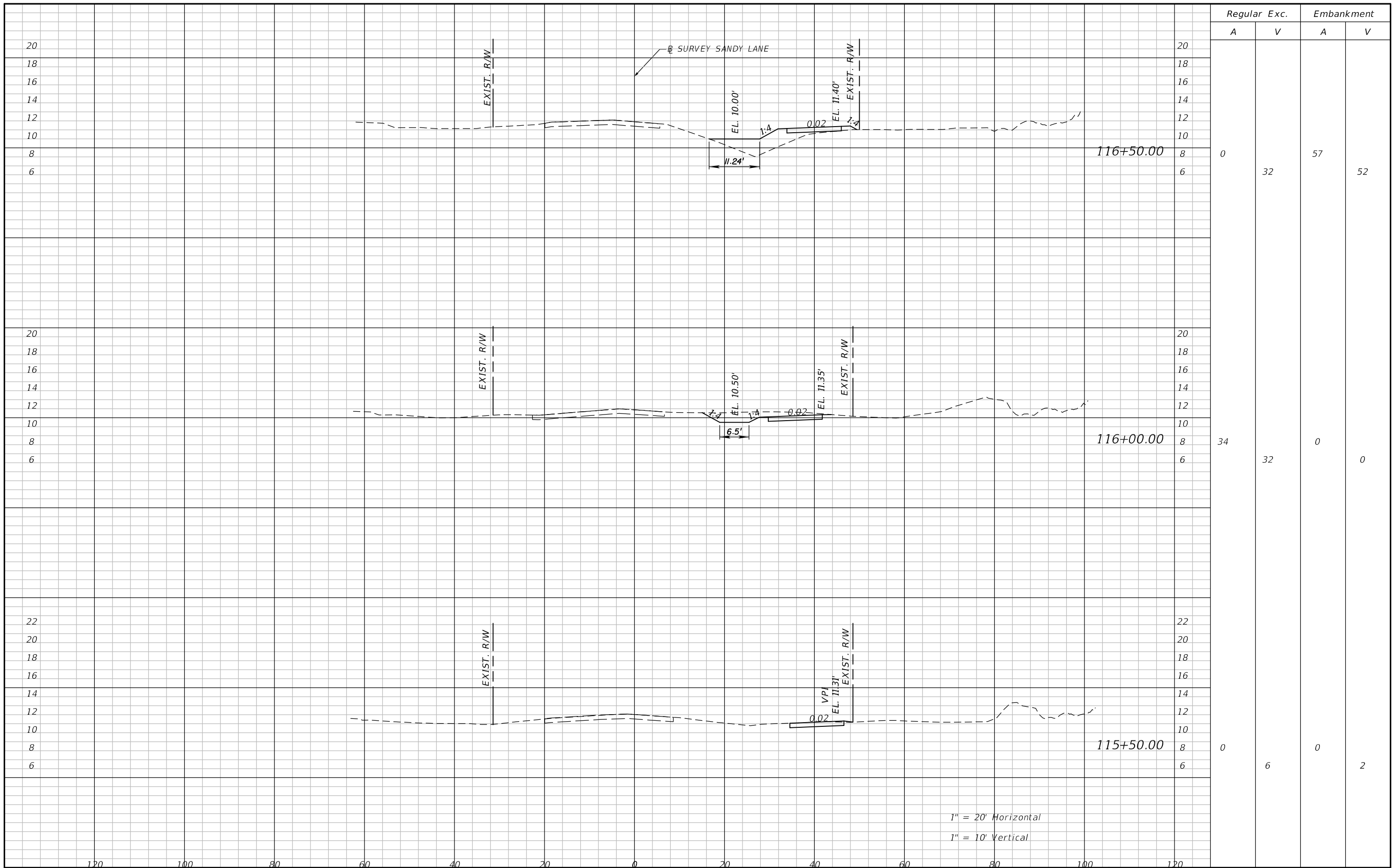
CLIENT: VILLAGE OF ESTERO    PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**33**

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



1" = 20' Horizontal  
1" = 10' Vertical

Regular		Exc.		Embankment	
A	V	A	V	A	V
0			32	57	52
34			32	0	0
0			6	0	2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

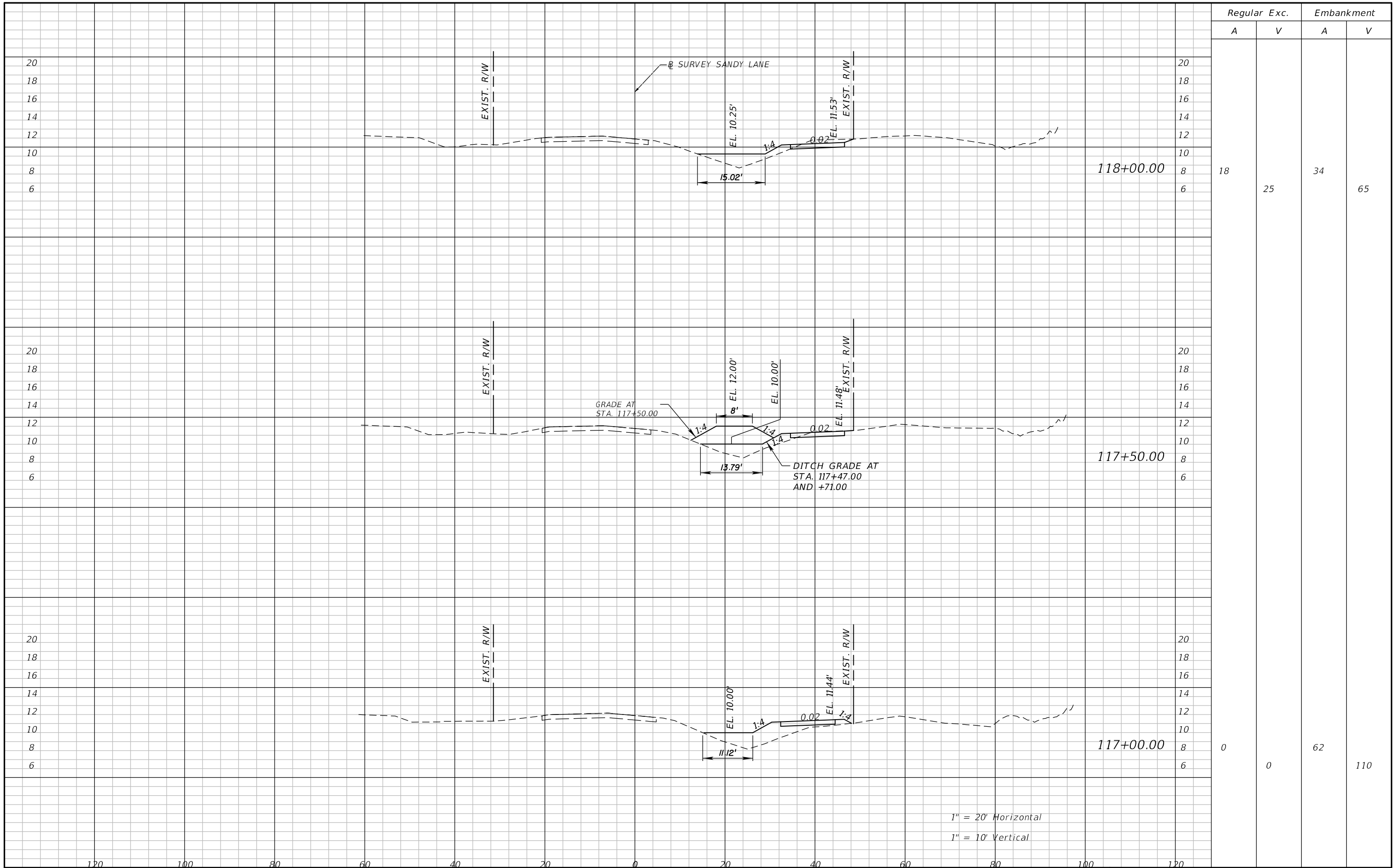
SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**34**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
18	25	34	65		
0	0	62	110		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

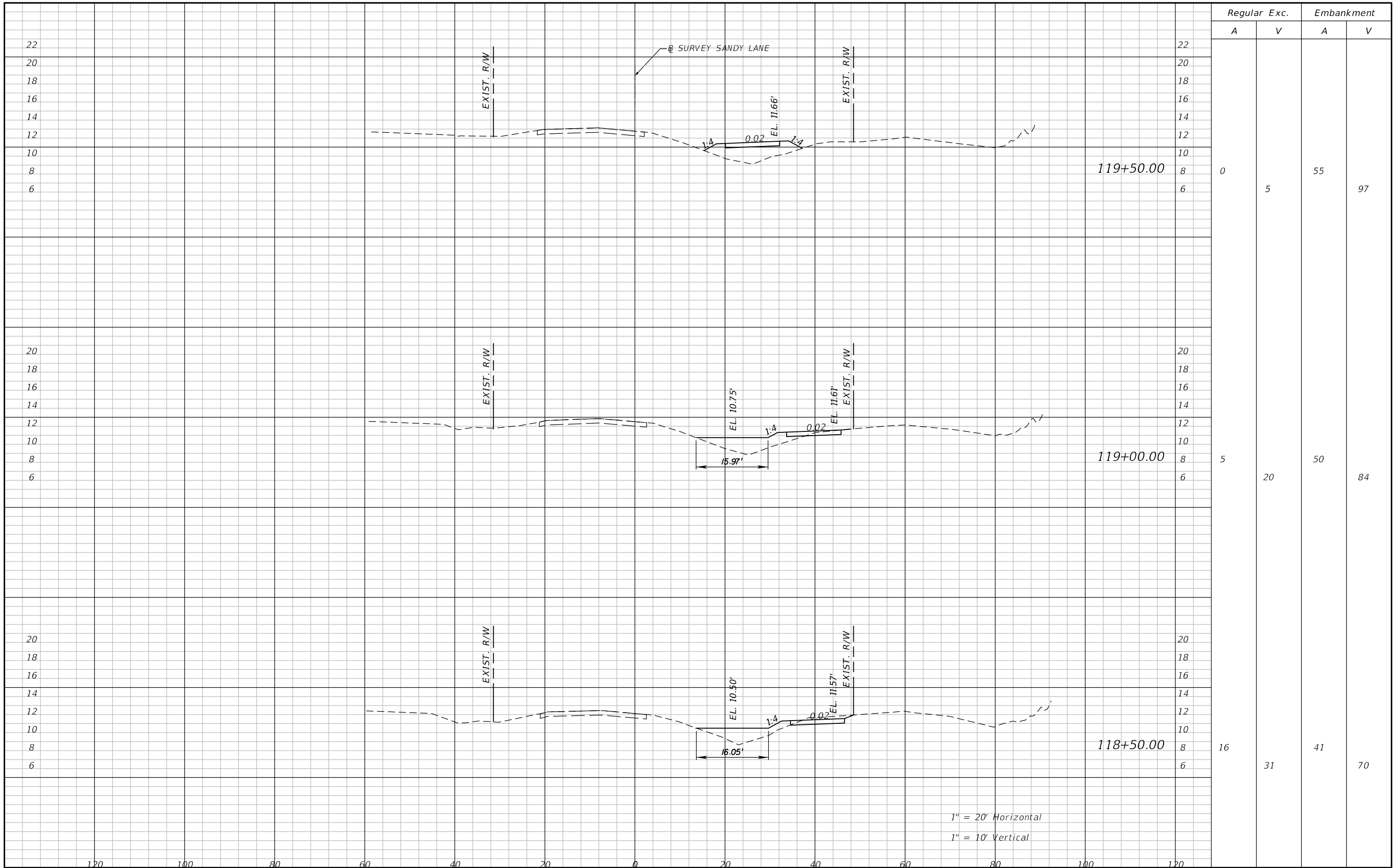
SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS  
 CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**35**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	5	55	97		
5	20	50	84		
16	31	41	70		

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

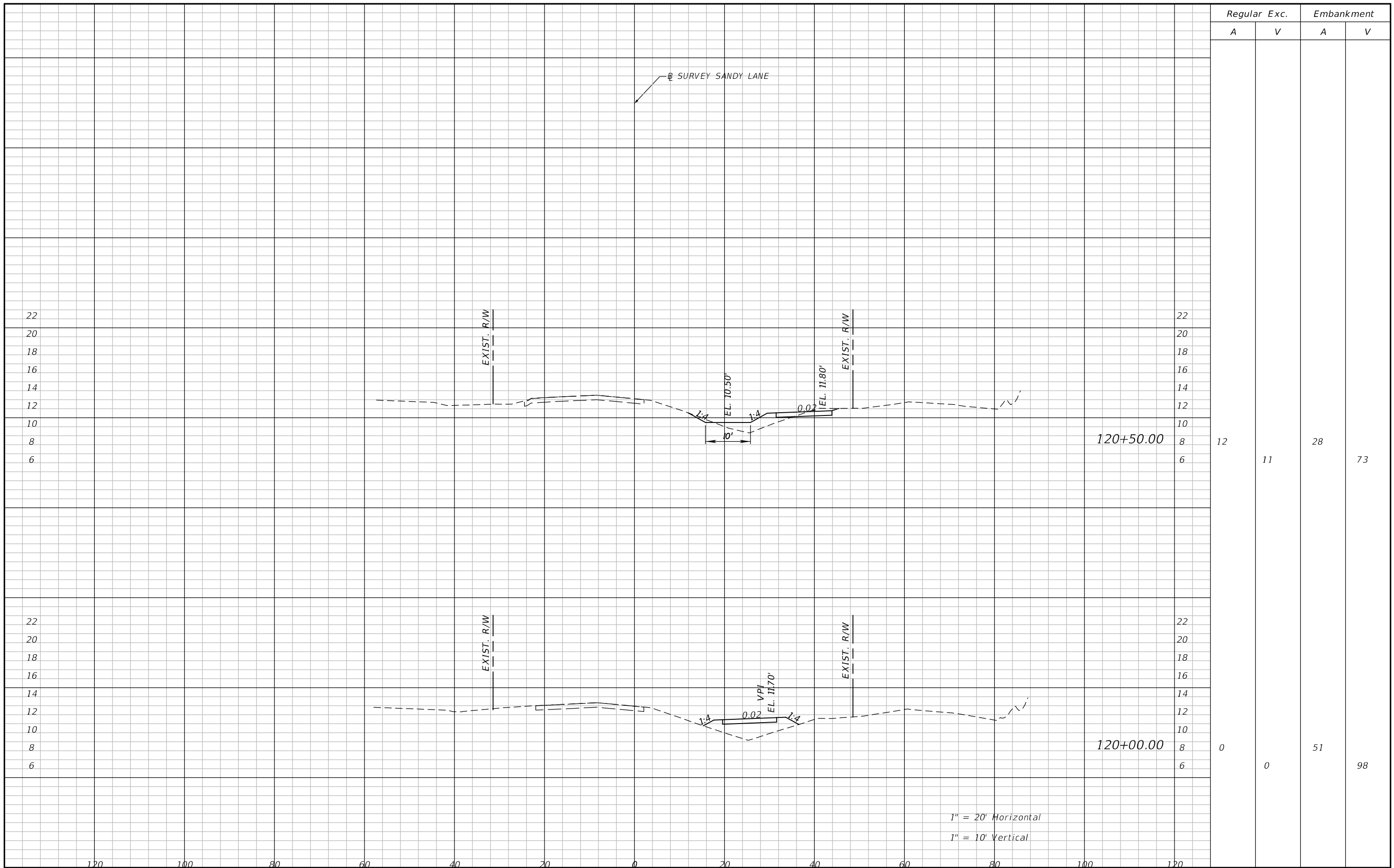
SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**36**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
12	11	28			73
0	0	51			98

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

*SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS*

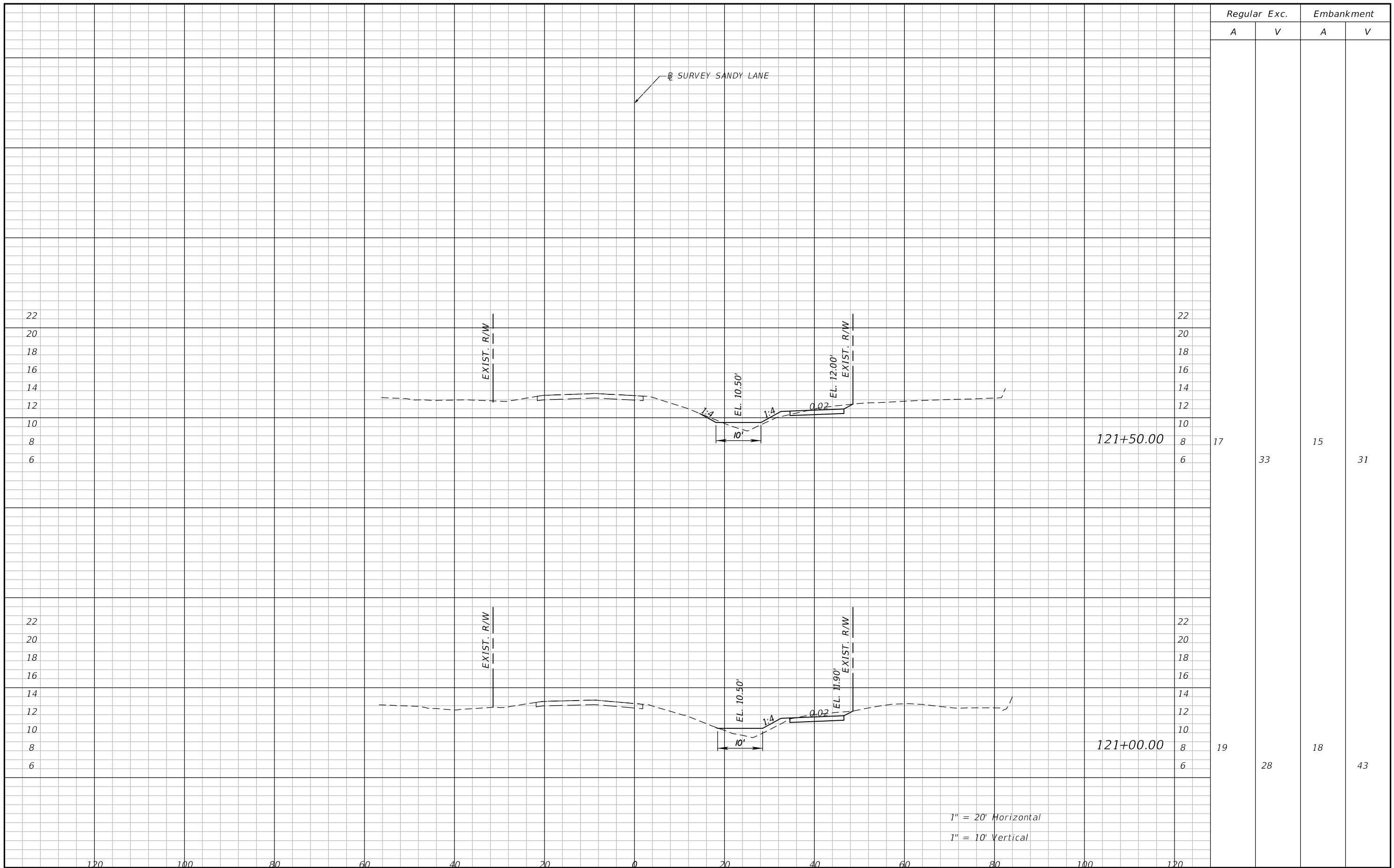
CLIENT: VILLAGE OF ESTERO      PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**37**

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



Regular Exc. Embankment

A V A V

17	33	15	31
19	28	18	43

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS

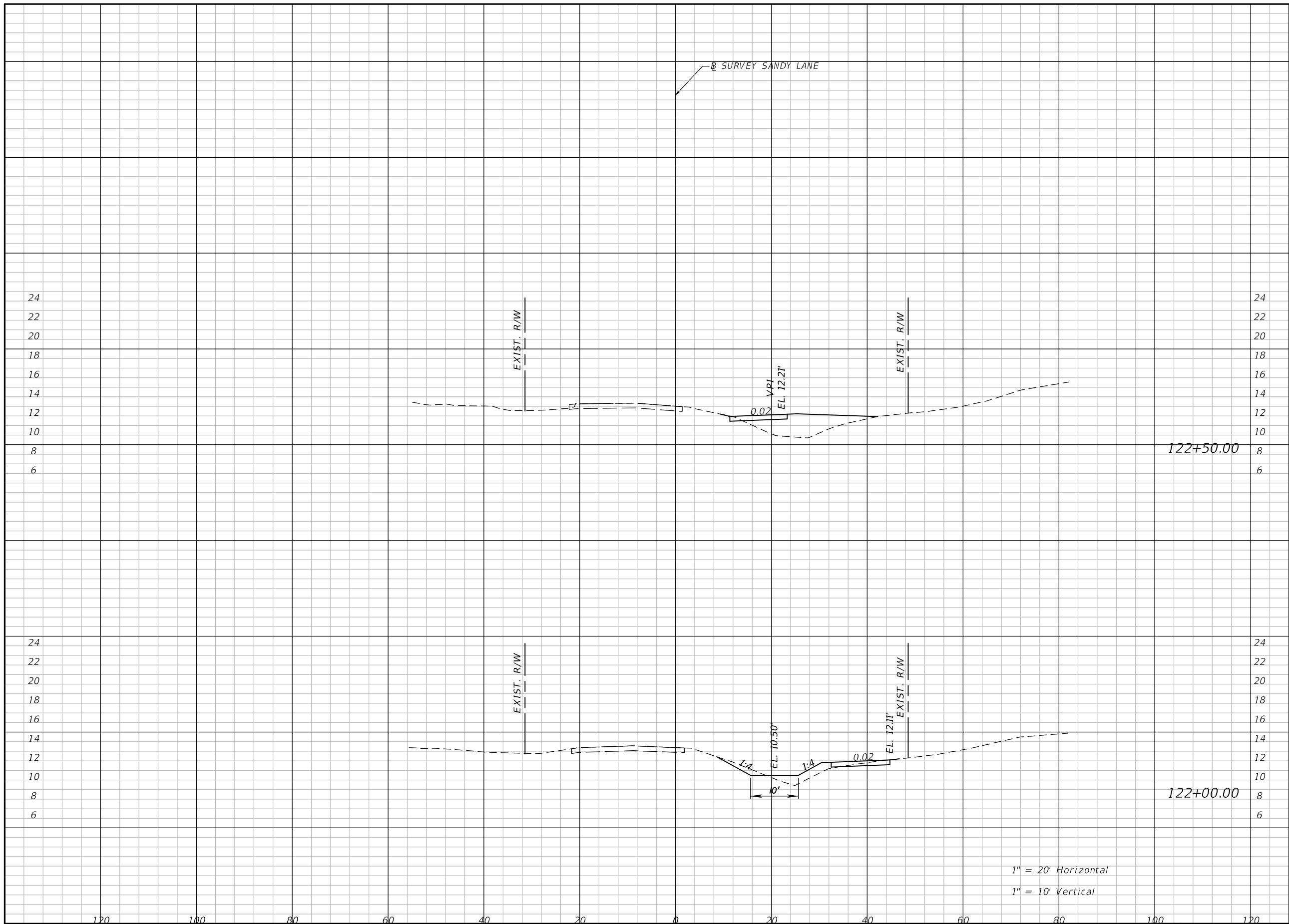
CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**38**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
2			13	72	
					86
13			27	21	
					33

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

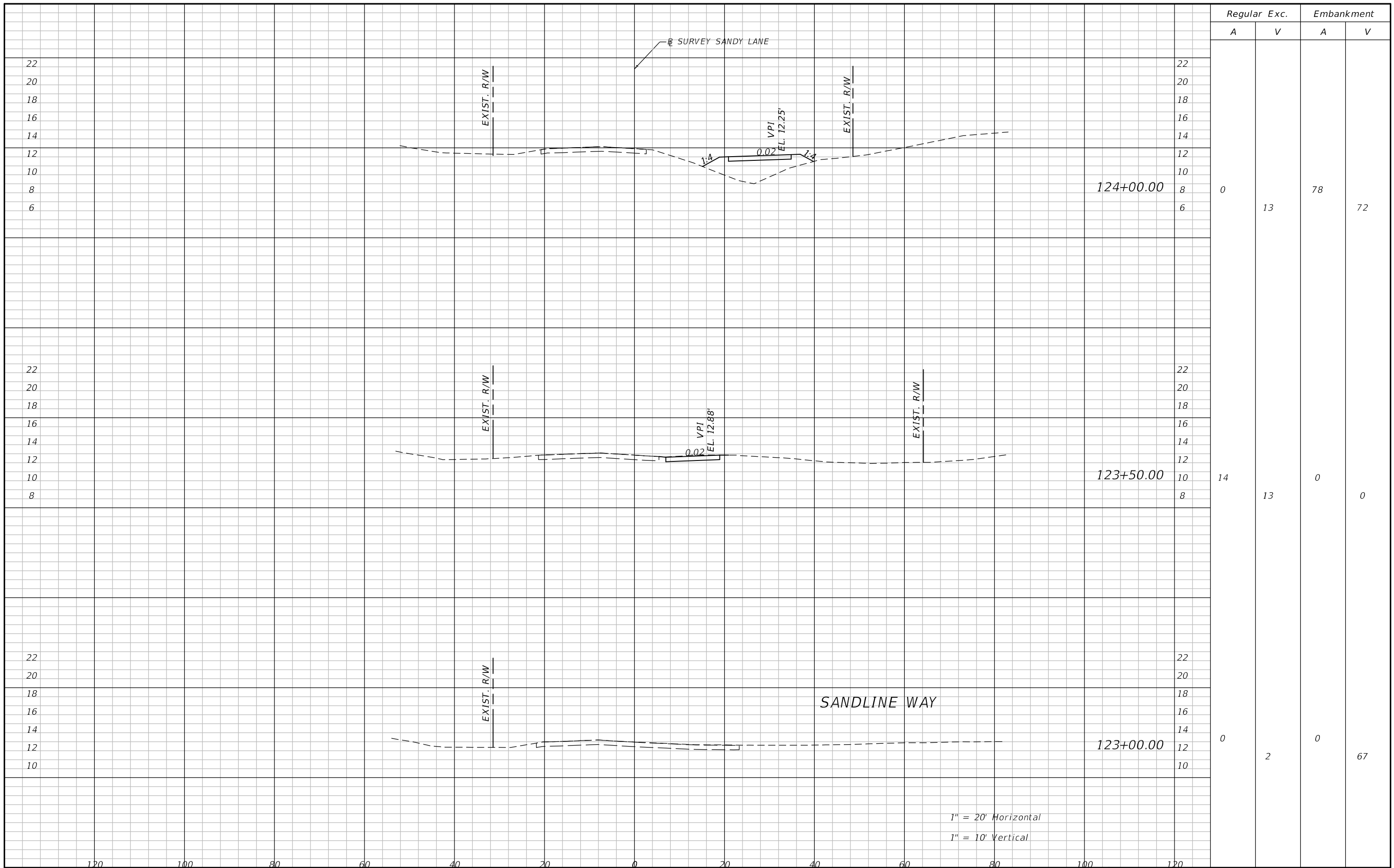
SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**39**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	13	78		72	
14	13	0		0	
0	2	0		67	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS

CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02

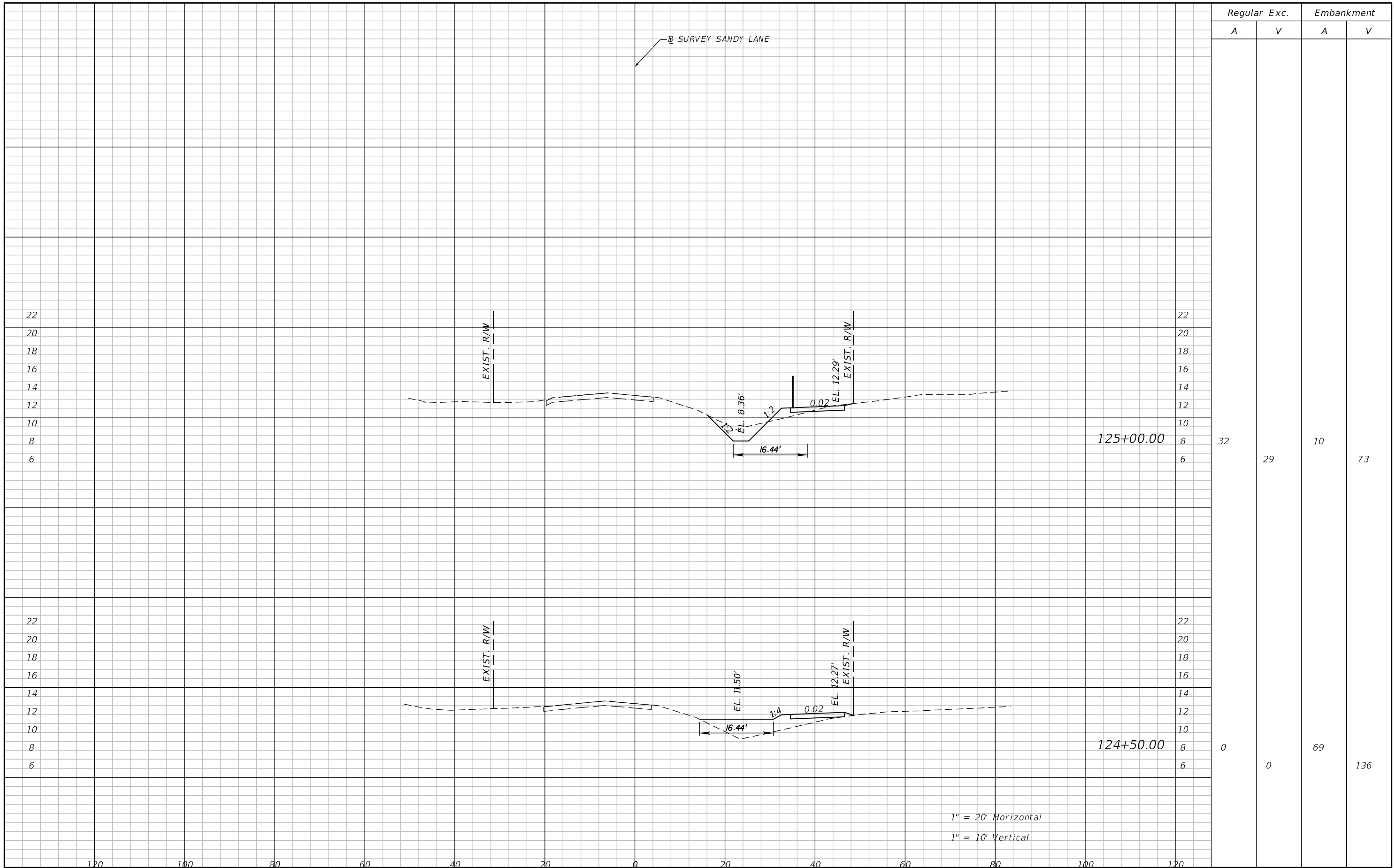


**CROSS SECTIONS**

SHEET NO.  
**40**

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





1" = 20' Horizontal  
1" = 10' Vertical

Regular Exc.		Embankment	
A	V	A	V
32	29	10	73
0	0	69	136

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS

CLIENT: VILLAGE OF ESTERO

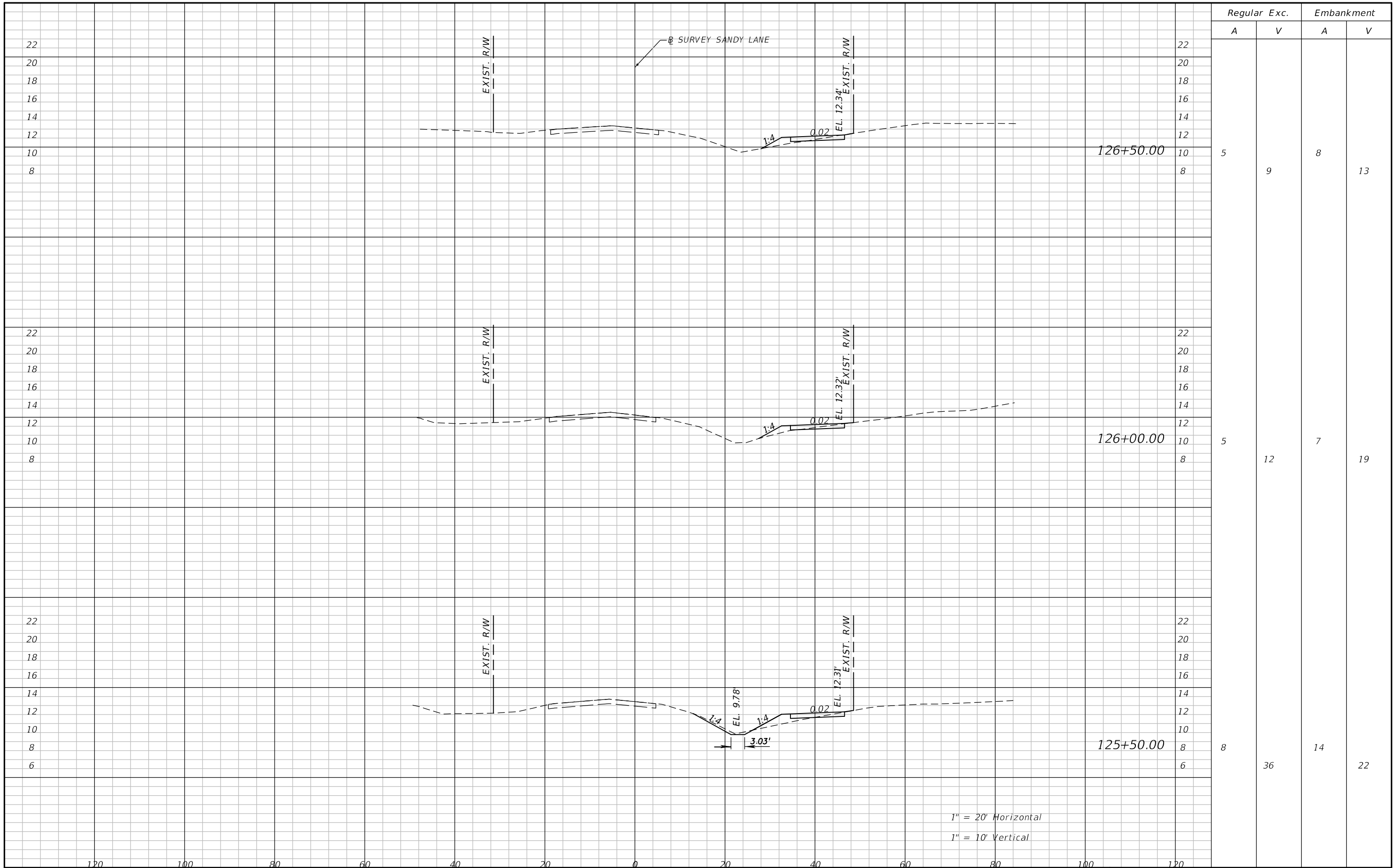
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**41**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
5	9	8			13
5	12	7			19
8	36	14			22

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

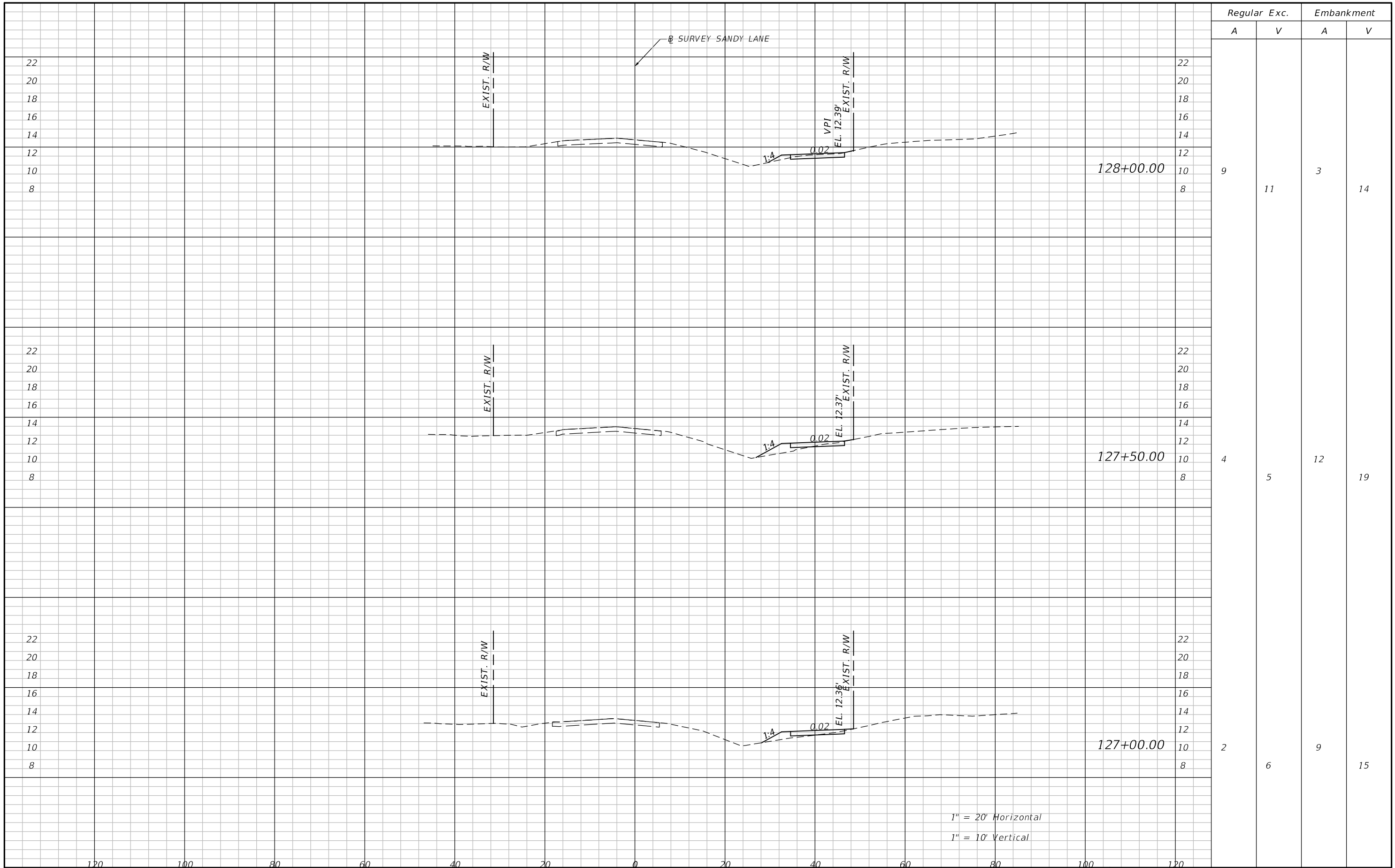
SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**42**

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



Regular Exc.		Embankment	
A	V	A	V
9	11	3	14
4	5	12	19
2	6	9	15

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

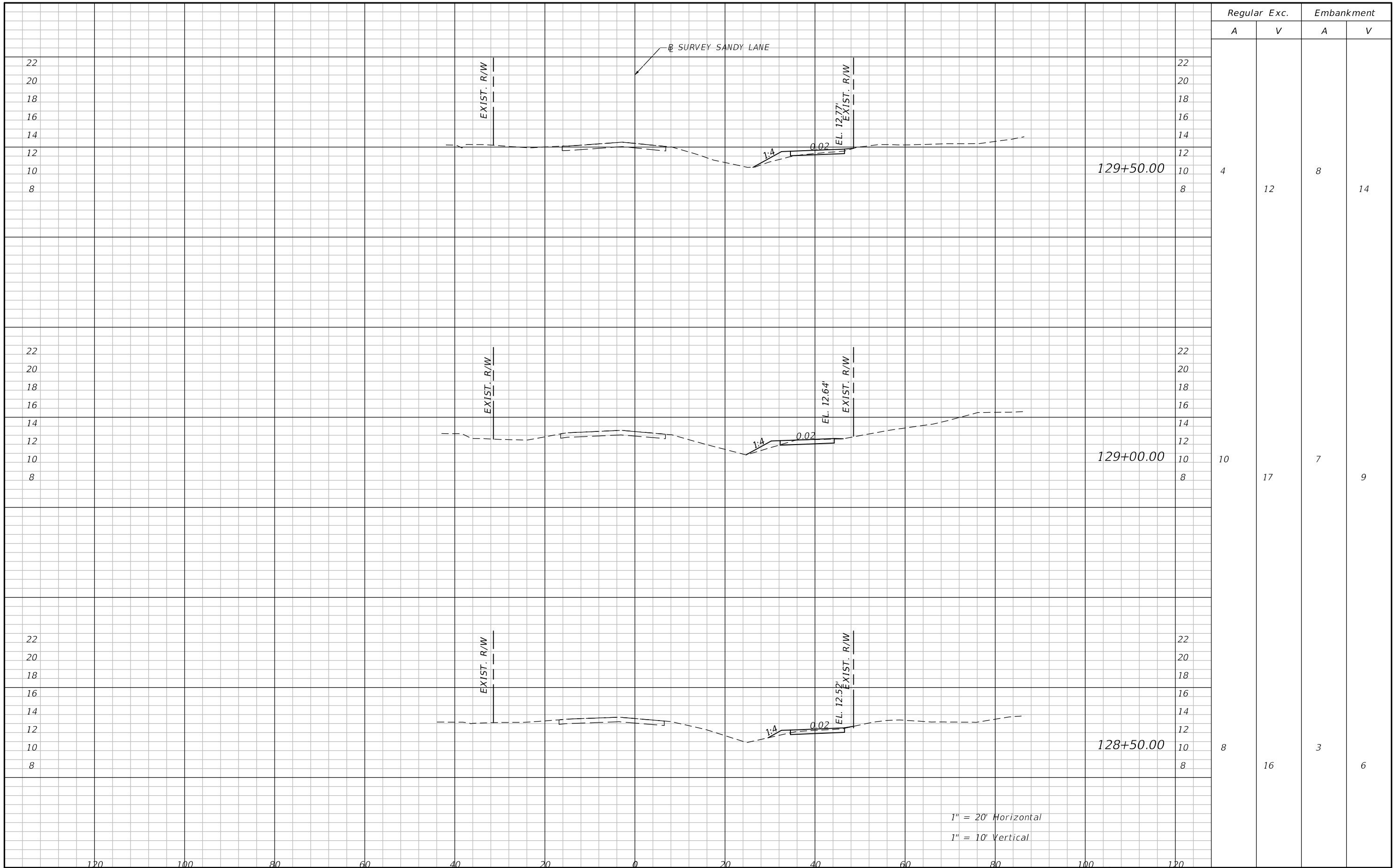
SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**43**

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Regular Exc.		Embankment	
A	V	A	V
4	12	8	14
10	17	7	9
8	16	3	6

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

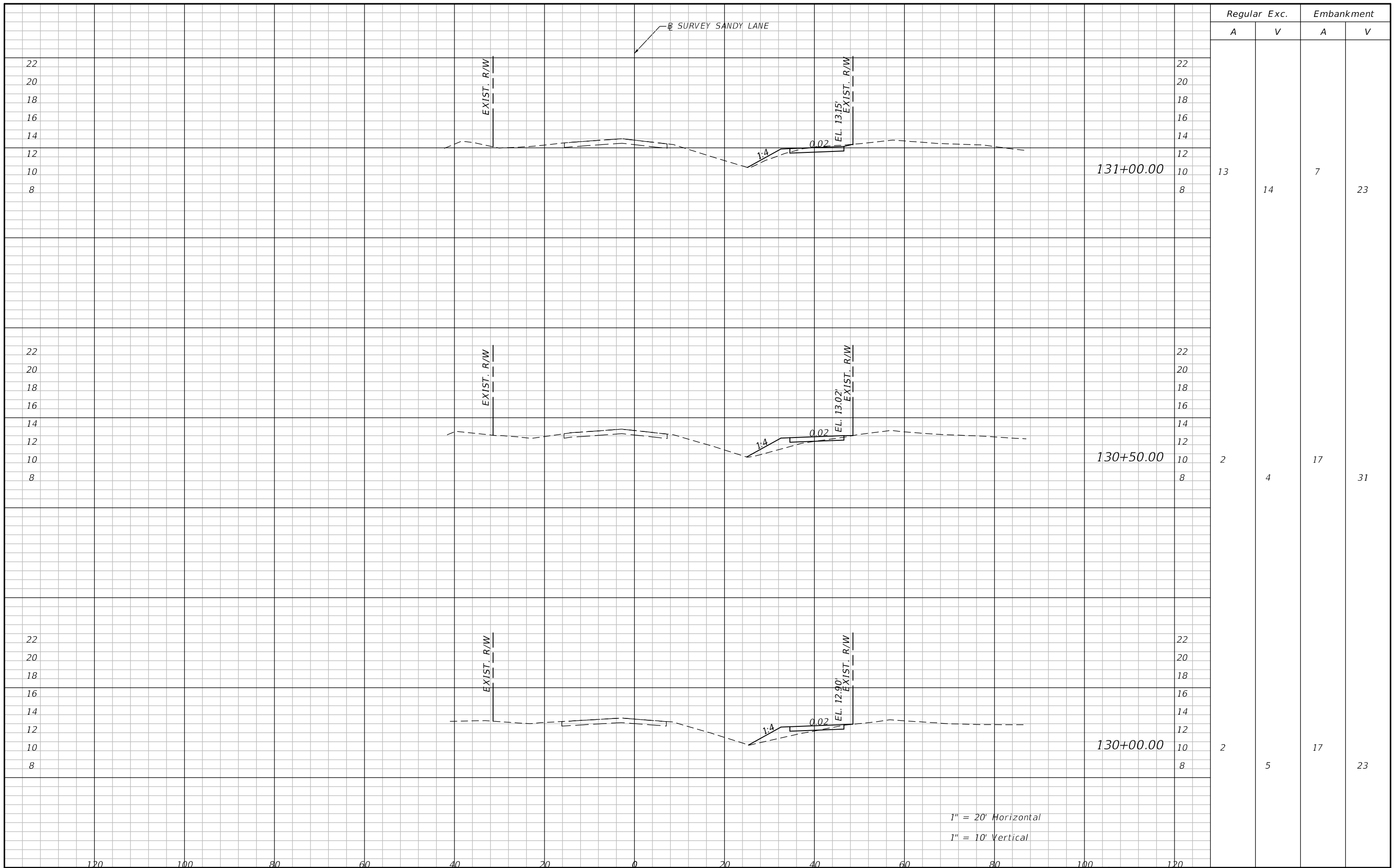
SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**44**

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Regular Exc.		Embankment	
A	V	A	V
13	14	7	23
2	4	17	31
2	5	17	23

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS

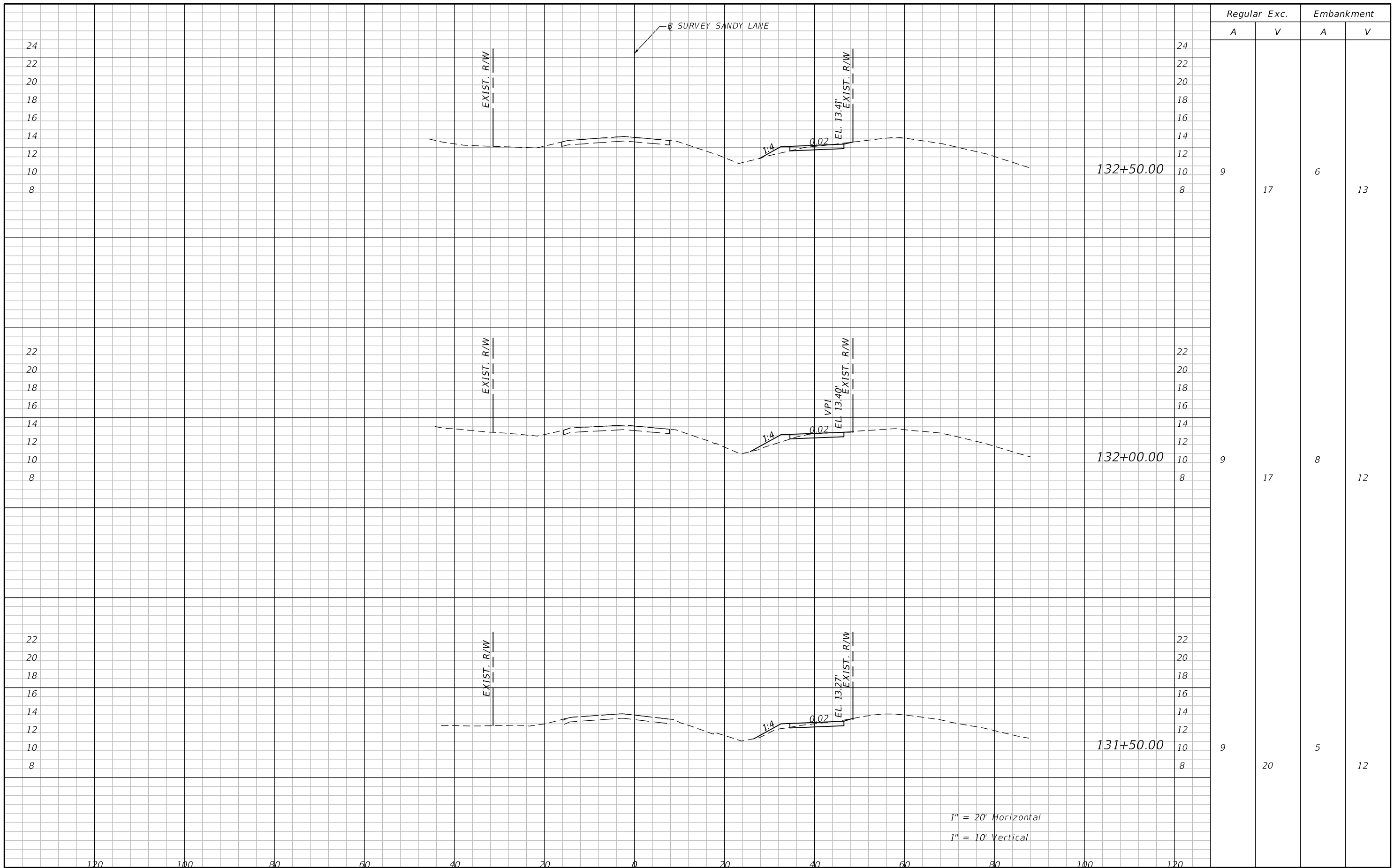
CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**45**

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



1" = 20' Horizontal  
1" = 10' Vertical

Regular		Exc.		Embankment	
A	V	A	V	A	V
9	17	6			13
9	17	8			12
9	20	5			12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS

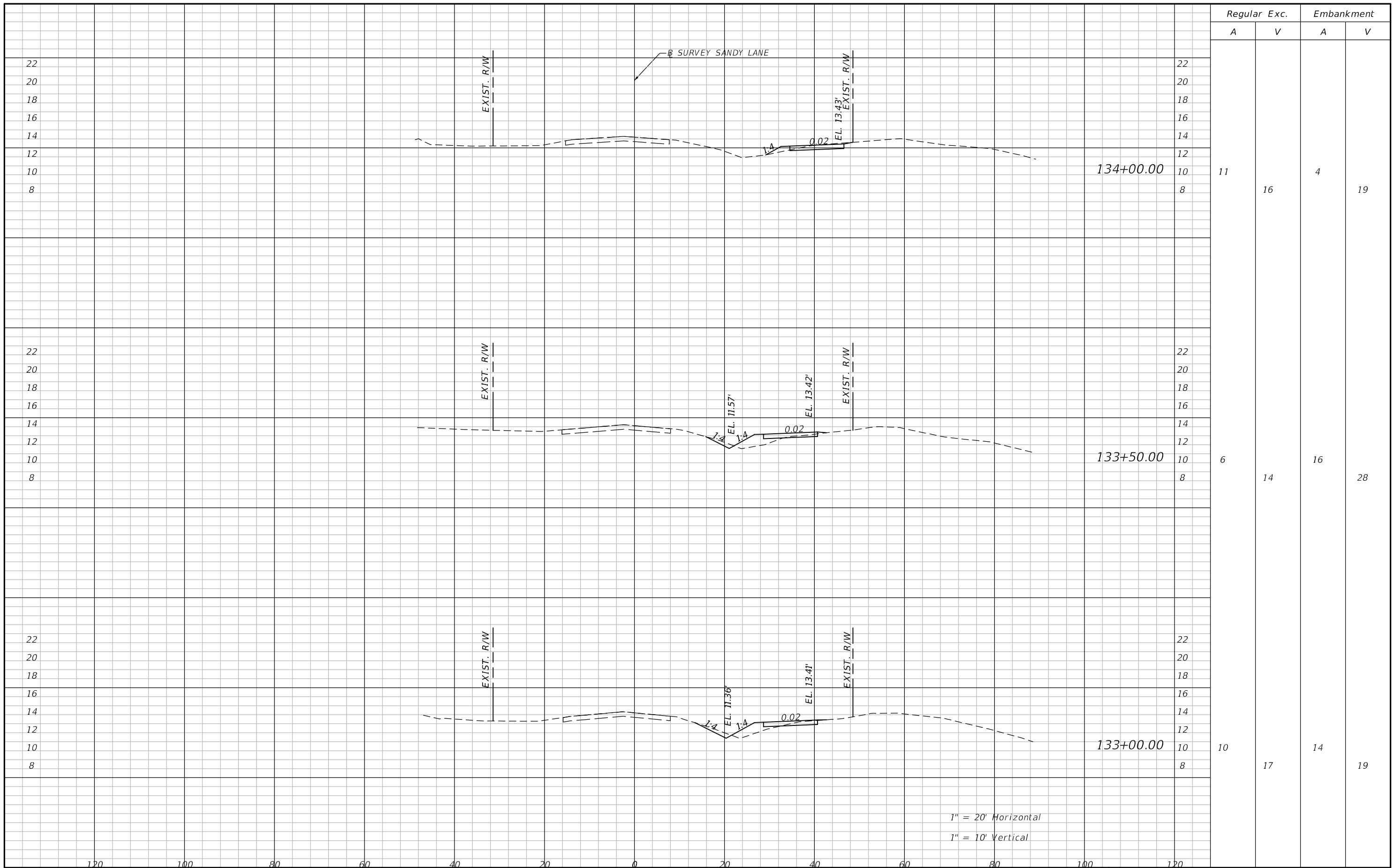
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**46**

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
11	16	4			19
6	14	16			28
10	17	14			19

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

**SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS**

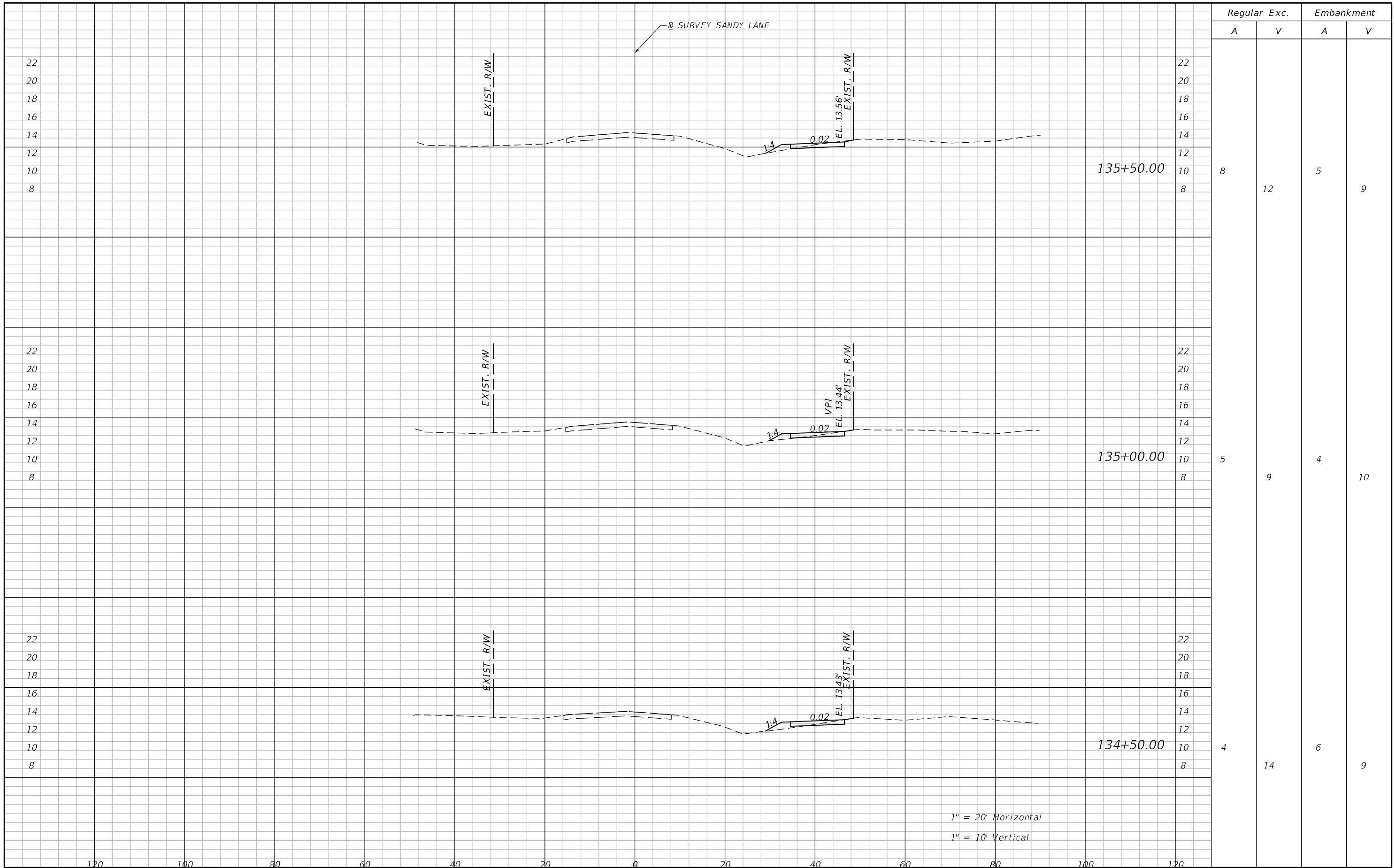
CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**47**

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



1" = 20' Horizontal  
 1" = 10' Vertical

Regular		Exc.		Embankment	
A	V	A	V	A	V
8			12	5	9
5			9	4	10
4			14	6	9

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 1514 BROADWAY  
 FORT MYERS, FLORIDA 33901  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

**SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS**

CLIENT: VILLAGE OF ESTERO  
 PROJECT #: CN 2022-02

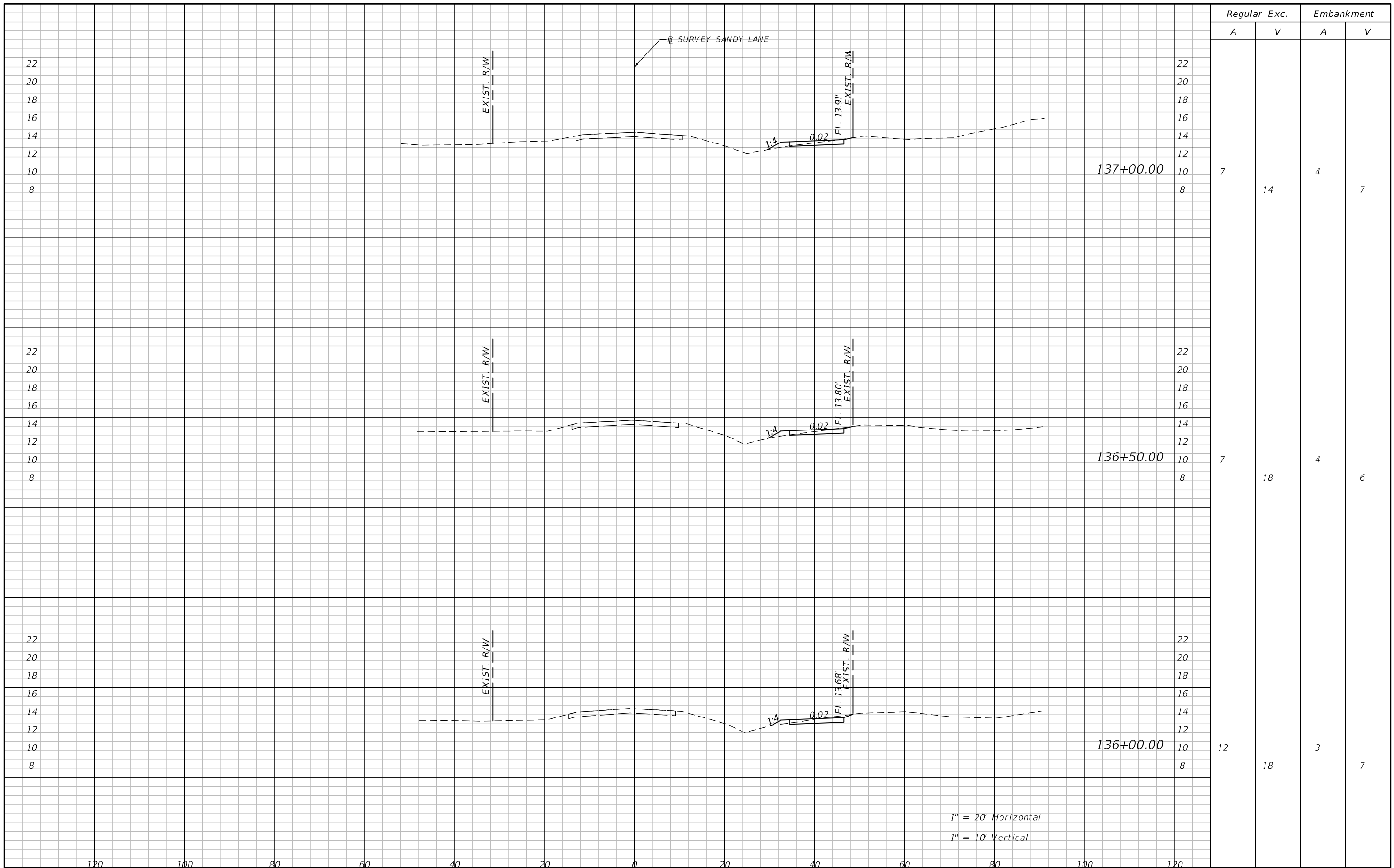


**CROSS SECTIONS**

SHEET NO.  
**48**

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





Regular Exc. Embankment

A V A V

Station	Regular A	Exc. V	Embankment A	Embankment V
137+00.00	7	14	4	7
136+50.00	7	18	4	6
136+00.00	12	18	3	7

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS

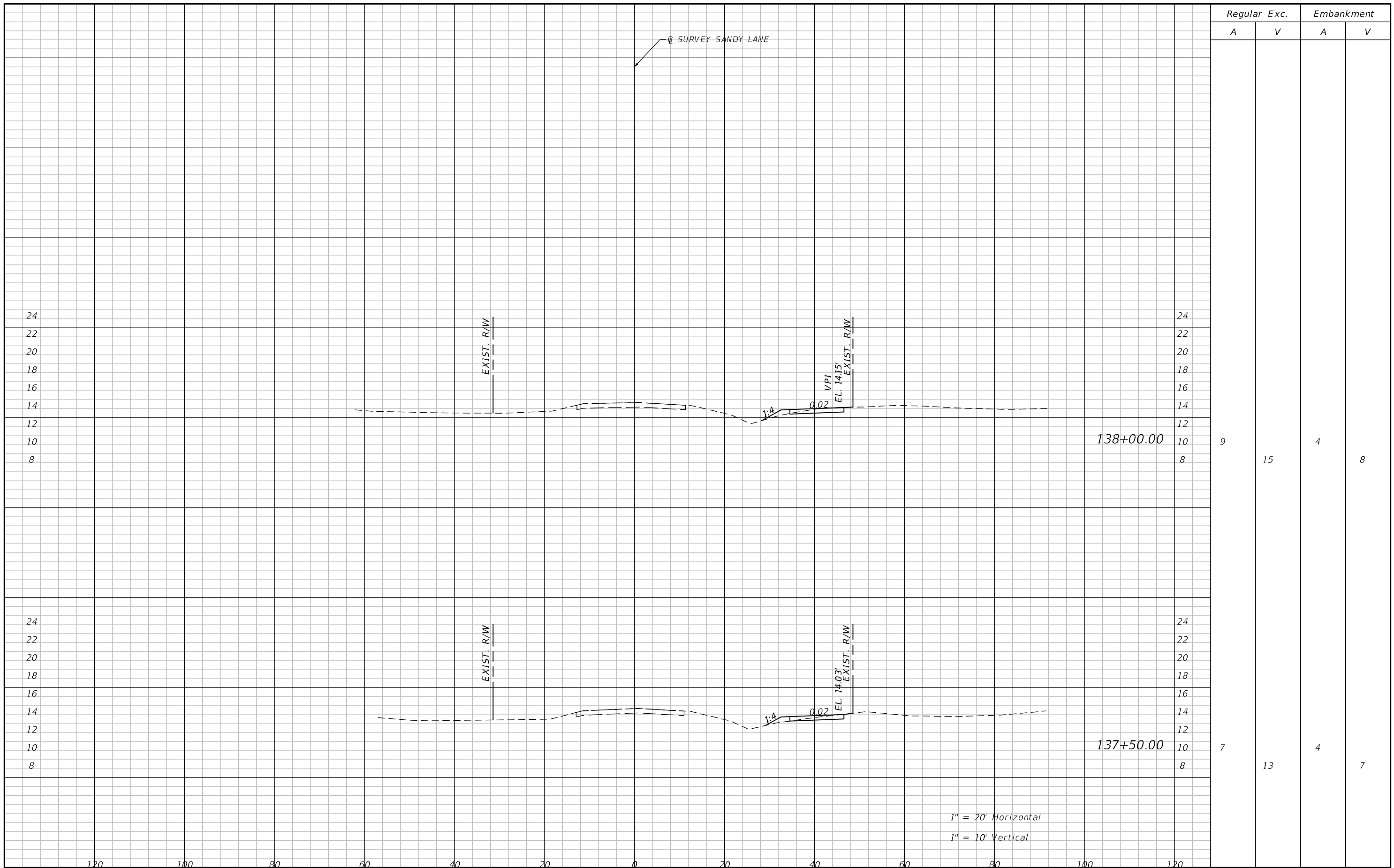
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**49**

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



Regular Exc.		Embankment	
A	V	A	V

9	15	4	8
7	13	4	7

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS

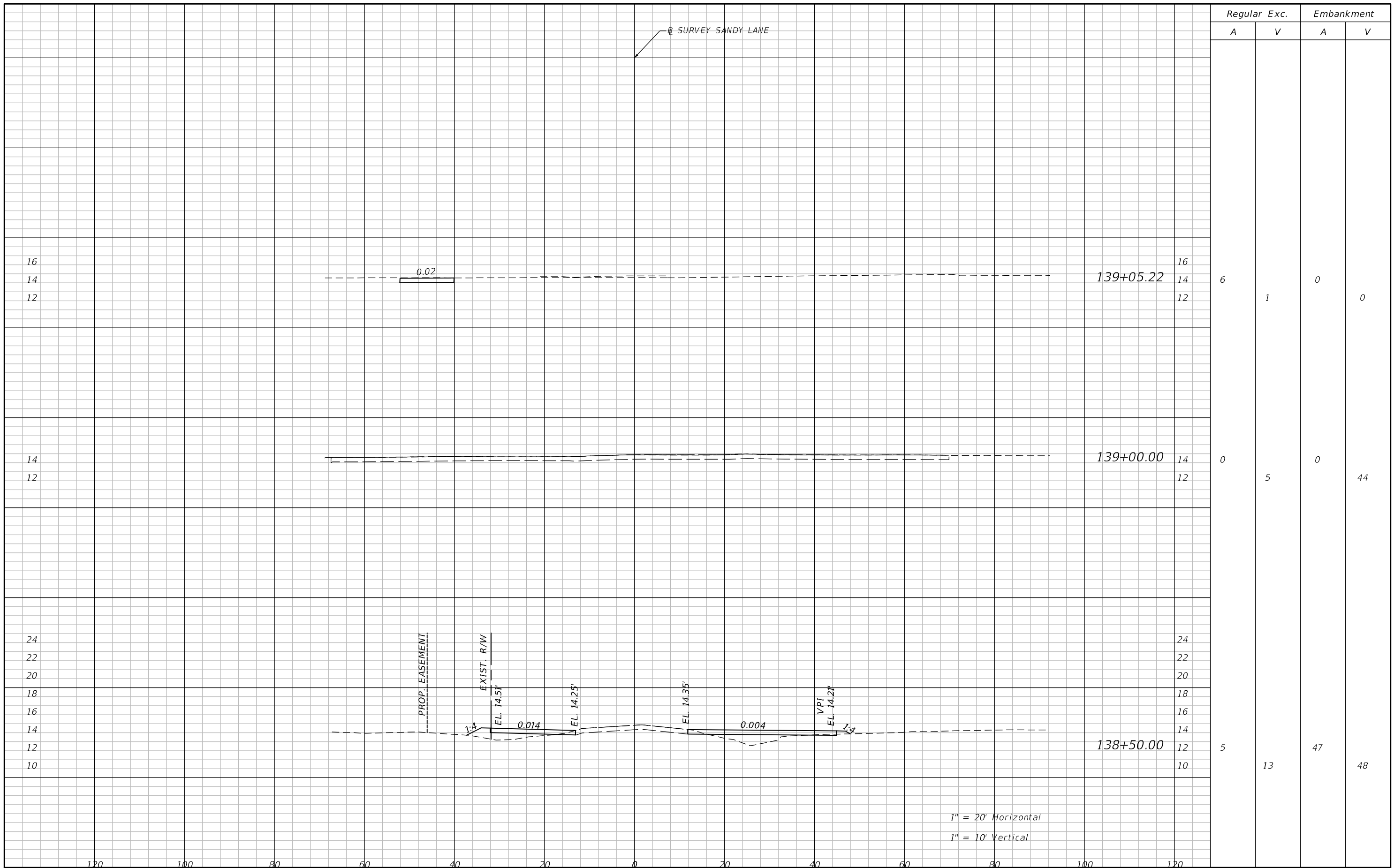
CLIENT: VILLAGE OF ESTERO PROJECT #: CN 2022-02



**CROSS SECTIONS**

SHEET NO.  
**50**

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



1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
1514 BROADWAY  
FORT MYERS, FLORIDA 33901  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS  
CLIENT: VILLAGE OF ESTERO  
PROJECT #: CN 2022-02

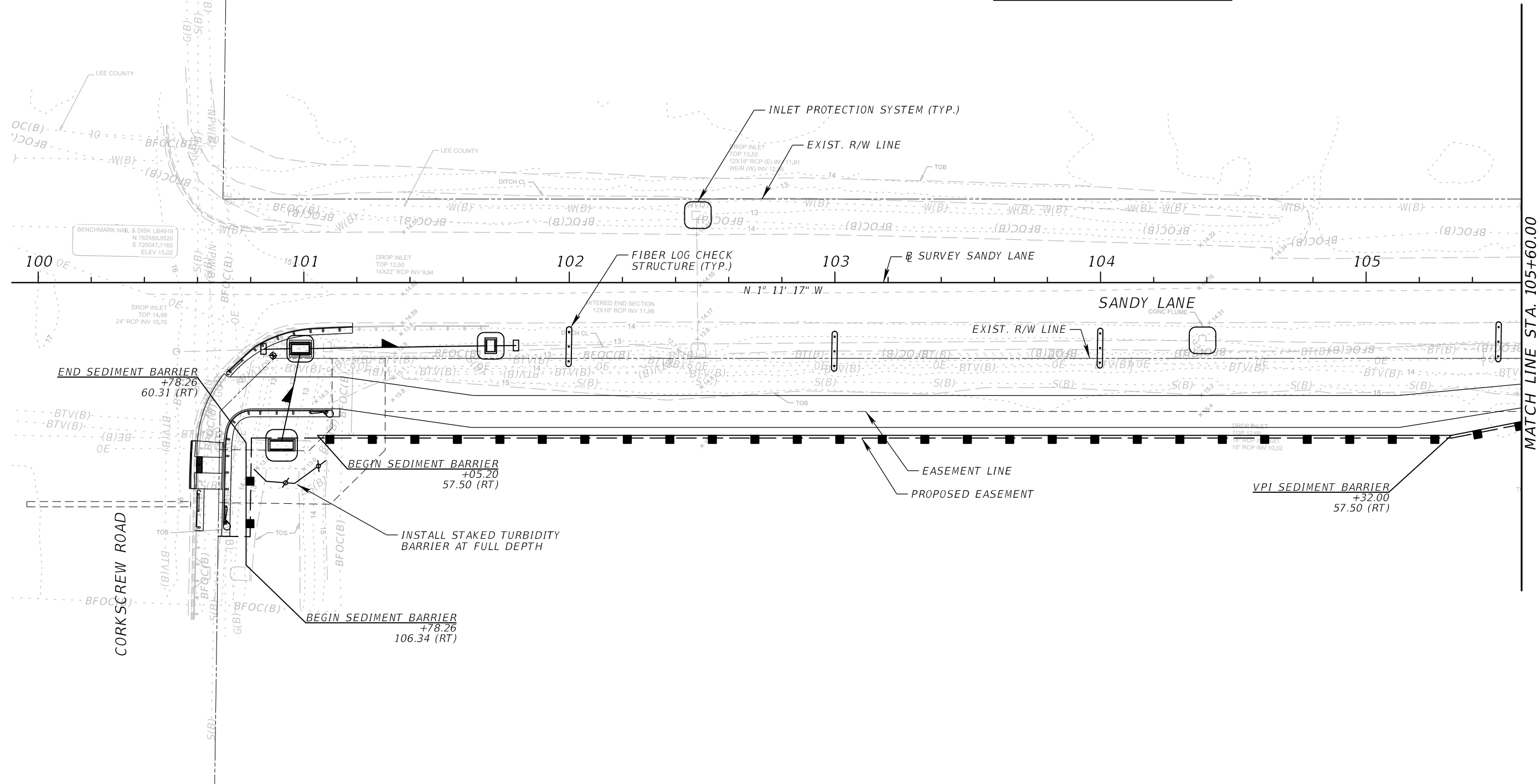
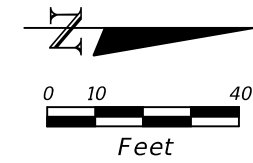


**CROSS SECTIONS**

SHEET NO.  
**51**

**LEGEND**

- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM
- STAKED TURBIDITY BARRIER
- FIBER LOG CHECK STRUCTURE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 CHRIS L. THOMPSON, P.E. #62505

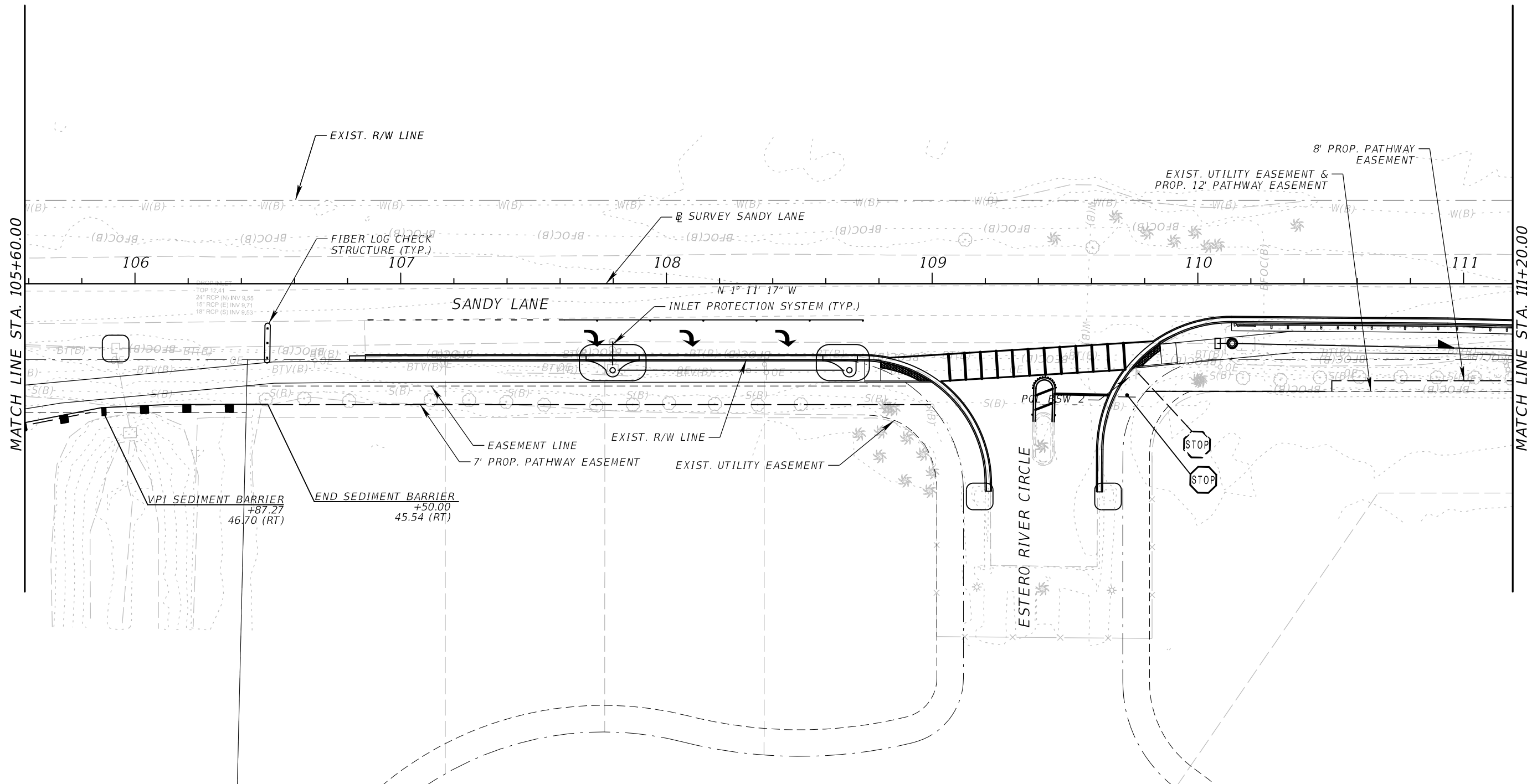
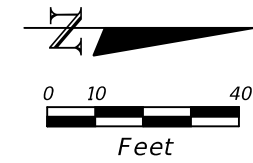
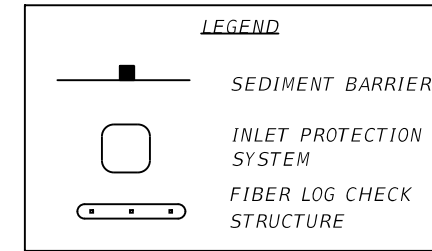
SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



EROSION CONTROL PLAN (1)

SHEET NO.  
52

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 CHRIS L. THOMPSON, P.E. #62505

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02







EROSION CONTROL PLAN (2)

SHEET NO.  
53

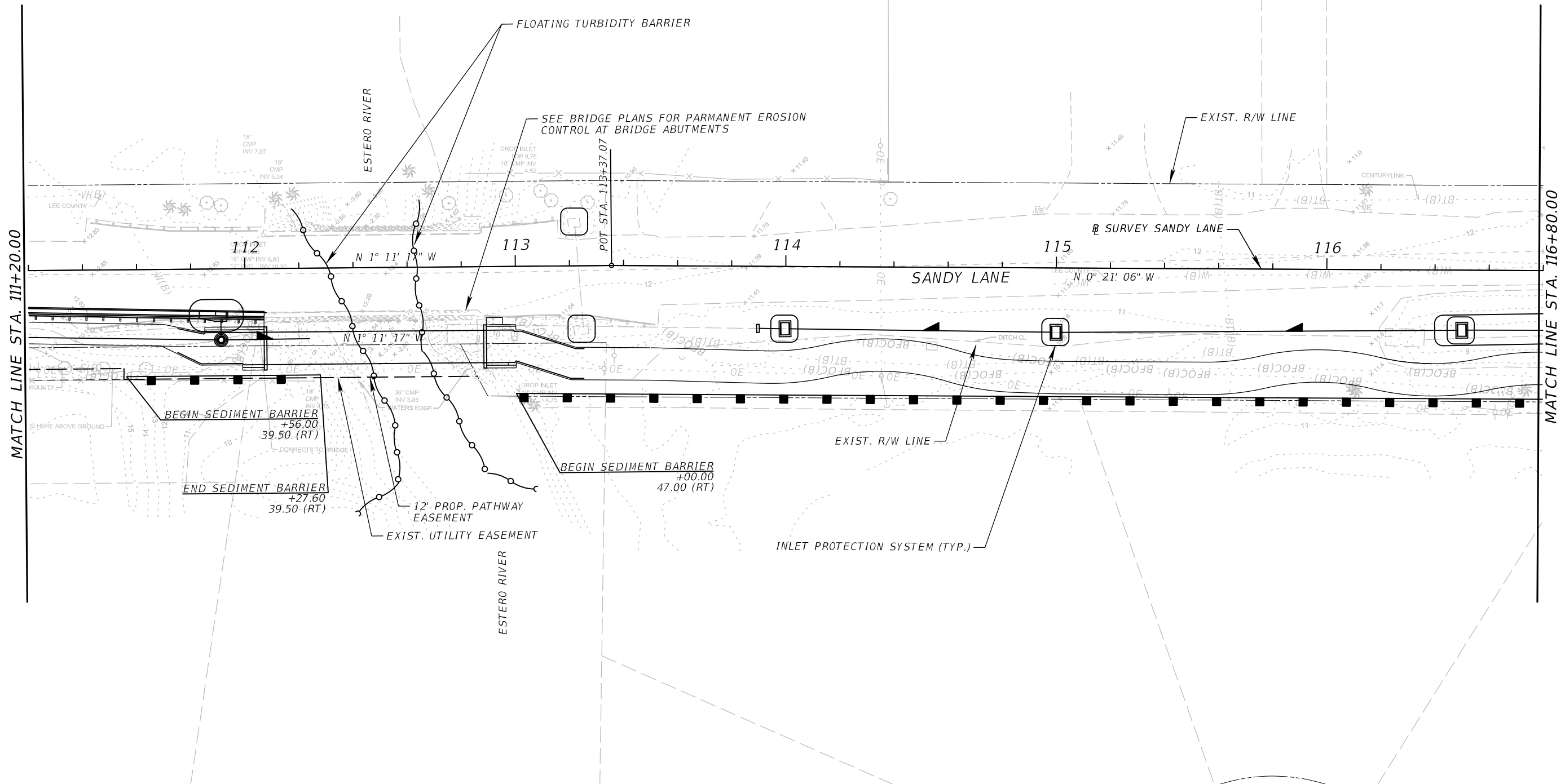
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**LEGEND**

-  SEDIMENT BARRIER
-  INLET PROTECTION SYSTEM
-  FLOATING TURBIDITY BARRIER





0 10 40  
Feet

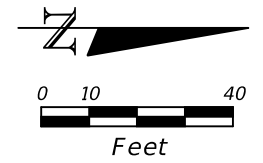


REVISIONS				 <b>ATKINS</b> 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 CHRIS L. THOMPSON, P.E. #62505	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS		 Village of <b>ESTERO</b>	EROSION CONTROL PLAN (3)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID				54
						VILLAGE OF ESTERO		CN 2022-02		

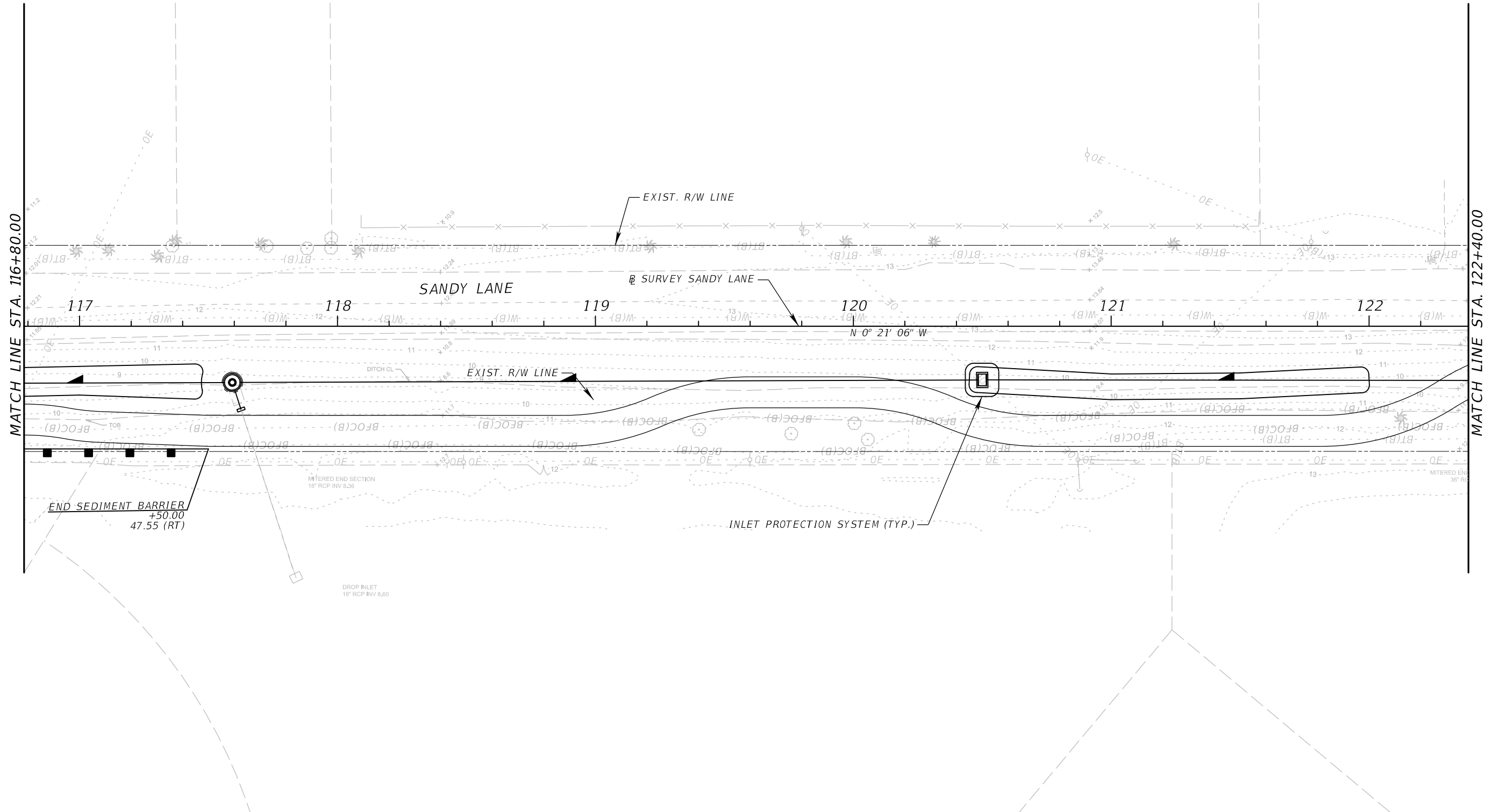
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**LEGEND**

-  SEDIMENT BARRIER
-  INLET PROTECTION SYSTEM



0 10 40  
Feet



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
800 WATERFORD WAY, SUITE 700  
MIAMI, FLORIDA 33126  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
CHRIS L. THOMPSON, P.E. #62505

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02






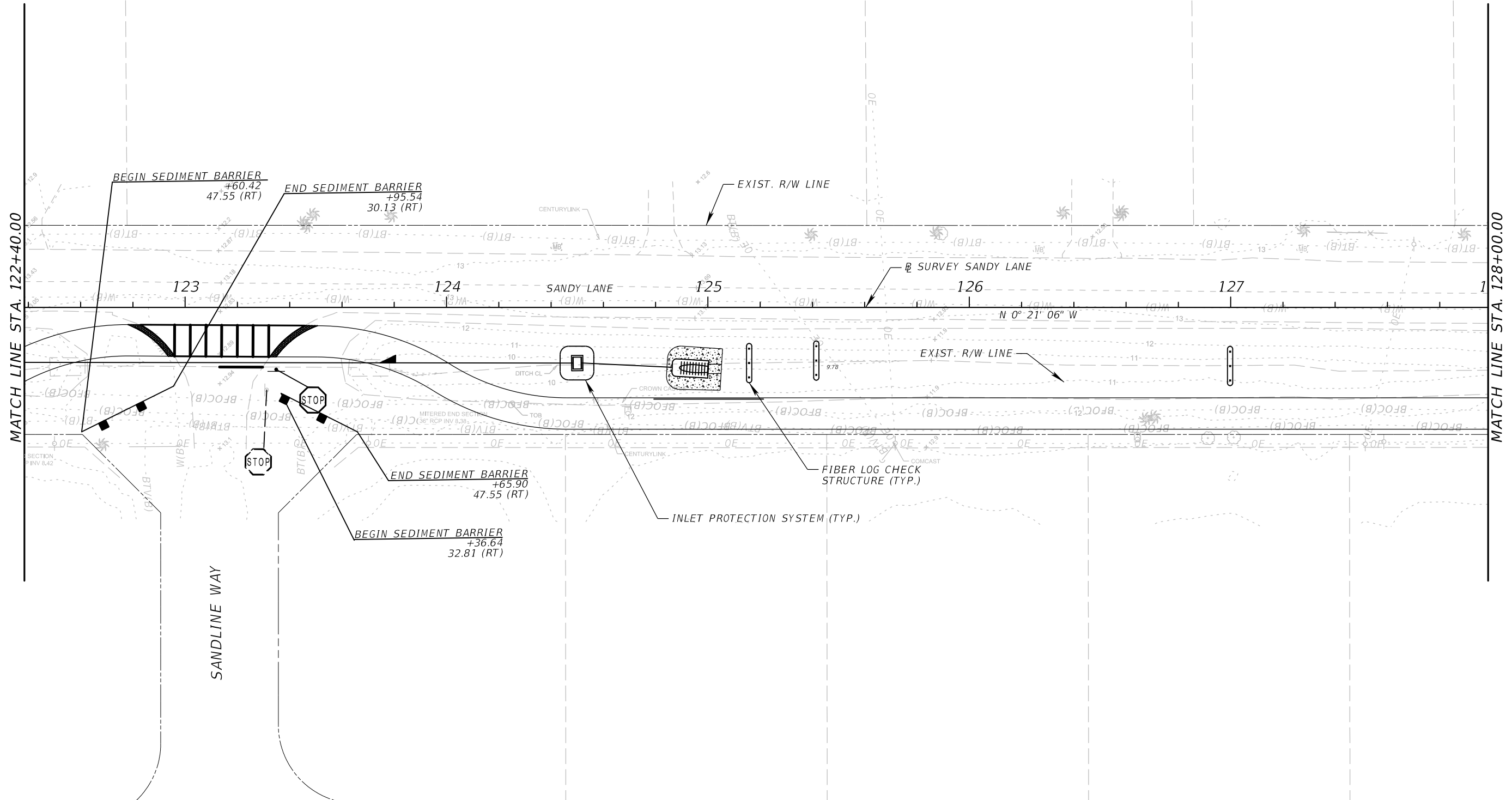
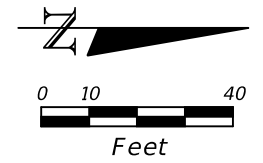
EROSION CONTROL PLAN (4)

SHEET NO.  
55

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**LEGEND**

-  SEDIMENT BARRIER
-  INLET PROTECTION SYSTEM
-  FIBER LOG CHECK STRUCTURE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 CHRIS L. THOMPSON, P.E. #62505

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02






EROSION CONTROL PLAN (5)

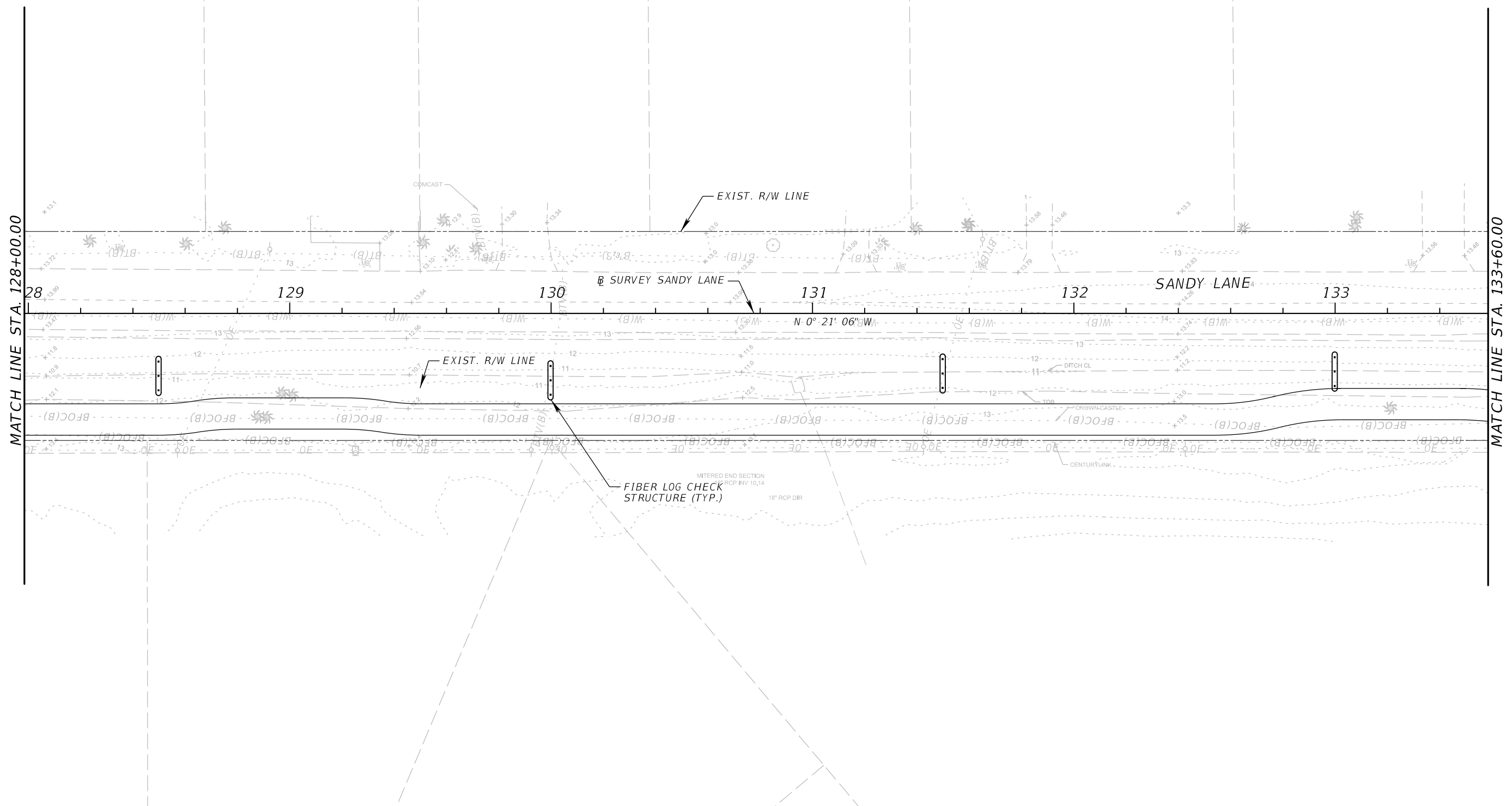
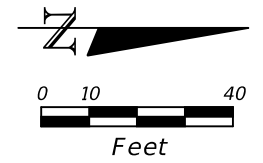
SHEET NO.  
56



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**LEGEND**




-  SEDIMENT BARRIER
-  INLET PROTECTION SYSTEM
-  FIBER LOG CHECK STRUCTURE

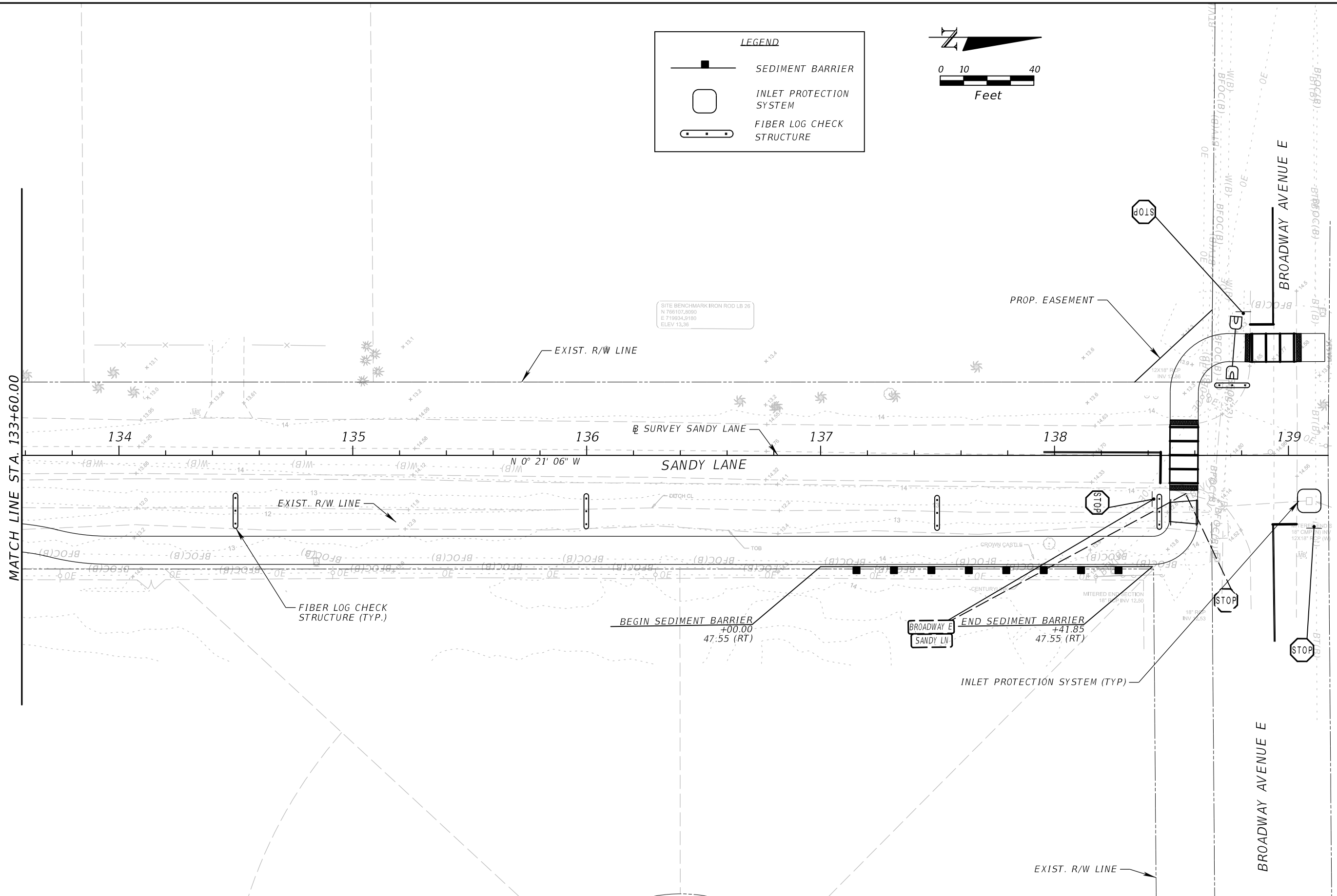
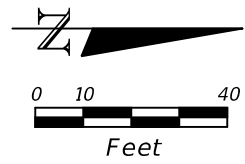


REVISIONS				 <b>ATKINS</b> 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 CHRIS L. THOMPSON, P.E. #62505	<i>SANDY LANE BICYCLE/              PEDESTRIAN IMPROVEMENTS</i>		 <b>Village of              ESTERO</b>	EROSION CONTROL PLAN (6)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID				57
					VILLAGE OF ESTERO	CN 2022-02				

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**LEGEND**

-  SEDIMENT BARRIER
-  INLET PROTECTION SYSTEM
-  FIBER LOG CHECK STRUCTURE



SITE BENCHMARK IRON ROD LB 26  
 N 706107.8090  
 E 719934.9180  
 ELEV 13.35

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 CHRIS L. THOMPSON, P.E. #62505

**SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS**

CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



**EROSION CONTROL PLAN (7)**

SHEET NO.  
**58**

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

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS PROVIDED TO ASSIST THE CONTRACTOR IN DEVELOPING THE REQUIRED SITE SPECIFIC EROSION CONTROL PLAN AND OTHER ITEMS NECESSARY TO OBTAIN COVERAGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERIC PERMIT (CGP). REFER TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL FOR ADDITIONAL REQUIREMENTS.

1.0 SITE DESCRIPTION:

(1.A.) NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT LIMITS INCLUDE BROADWAY AVE. EAST FROM US 41 TO SANDY LANE AND SANDY LANE FROM CORKSCREW ROAD TO BROADWAY AVE. EAST IN LEE COUNTY. THIS INVOLVES ROADWAY MILLING & SURFACING, BICYCLE / PEDESTRIAN IMPROVMENTS THE PROJECT EXTENDS A DISTANCE OF 0.73 MILES.

(1.B.) INTENDED SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE CONTRACTOR'S SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN, PREPARE A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT. FOR ADDITIONAL INFORMATION, REFER TO SECTION 4.7 OF THE NPDES CGP.

LIST OF INTENDED ACTIVITIES:

- (I.B.1.) FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS PRIOR TO CLEARING AND GRUBBING OR ANY OTHER CONSTRUCTION ACTIVITIES. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.
- (I.B.2.) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CHANGES OR WEATHER EVENTS.
- (I.B.3.) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION.
- (I.B.4.) OFFSITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

(1.C.) PROJECT AREA ESTIMATES:

TOTAL SITE AREA: 4.34 ACRES.  
TOTAL AREA TO BE DISTURBED: 3.31 ACRES.

(1.D.) RUNOFF DATA:

RUNOFF COEFFICIENTS BEFORE Cw (B), DURING Cw (D) AND AFTER Cw (A) CONSTRUCTION.

RUNOFF COEFFICIENTS FOR:  
GRASSED SHOULDERS ADJACENT TO ROADWAY: C=0.35  
IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C=0.95  
DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.40

WEIGHTED RUN-OFF COEFFICIENT:  
BEFORE: Cw (B) = 0.48      DURING: Cw (D) = 0.49      AFTER: Cw (A) = 0.63

THE RUN-OFF COEFFICIENT Cw (D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION AND THE REMAINING AMOUNT IS THE EXISTING IMPERVIOUS AND GRASSED SHOULDER AREAS.

SOIL TYPE	HYDROLOGIC GROUP	DEPTH TO SHWE
129 - PINEDA FINE SAND (7%)	A/D	0.5' - 1.5'
131 - POMPAÑO FINE SAND (15%)	A/D	0.25' - 1.5'
141 - COCOA FINE SAND (78%)	A	≥ 6.67'

REFERENCE: USDA SOIL SURVEY OF LEE COUNTY FLORIDA

OUTFALL INFORMATION:

THERE ARE 2 OUTFALLS.

THE OUTFALLS DISCHARGE INTO THE FOLLOWING BASINS:

BASIN	WBID	PARAMETER(S) OF CONCERN FOR 303(d) LISTING
ESTERO RIVER	3258D3	N/A

OUTFALL LOCATIONS: (TEMPORARY AND PERMANENT)

DESCRIPTION	DRAINAGE AREA	LATITUDE	LONGITUDE	RECEIVING WATERBODY
(a) 1 - 24" ADS HP STORM	114 AC	N 26°26' 05"	W 81°48' 18"	ESTERO RIVER
(b) 1 - 36" CMP	36 AC	N 26°26' 05"	W 81°48' 18"	ESTERO RIVER

PROJECT DISCHARGES TO THE ESTERO RIVER WHICH IS LISTED AS AN OUTSTANDING FLORIDA WATERS (OFW).

WETLAND AND/OR SURFACE WATER IMPACTS SHALL BE LIMITED TO THE AREAS DESCRIBED IN THE APPROVED PERMITS FOR THE PROJECT.

(1.E.) SITE MAP:

THE SITE MAP SHALL BE COMPRISED OF THE CONSTRUCTION PLANS AND THE CONTRACTOR'S SITE-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN.

(1.F.) STORMWATER MANAGEMENT (EXISTING/PROPOSED)

(1.F.1.) EXISTING DRAINAGE FLOWS ARE TYPICALLY ALONG THE EAST SIDE OF SANDY LANE FROM SOUTH TO NORTH TOWARDS THE ESTERO RIVER. THE CROSS SECTION SHEETS AND PLAN-PROFILE SHEETS PROVIDE THE APPROXIMATE SLOPE, AREAS OF SOIL DISTURBANCE AND AREAS TO BE STABILIZED. UNLESS OTHERWISE APPROVED BY THE PERMITS, THE CONSTRUCTION ACTIVITIES SHALL NOT MODIFY OR AFFECT THE EXISTING OFFSITE FLOW PATTERNS.

(1.F.2.) THE PROPOSED SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND USED DURING CONSTRUCTION OF THE ROADWAY. THE OUTFALL STRUCTURES ARE TO BE PROTECTED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL TO PREVENT DOWNSTREAM SEDIMENTATION.

2. CONTROLS:

(2.A.) SEDIMENT AND EROSION CONTROLS

(2.A.1.) PER SECTION 5.4 OF THE NPDES CGP, STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.

(2.A.2.) SEDIMENT BARRIERS SHALL BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.

REVISIONS				 1514 BROADWAY FORT MYERS, FLORIDA 33901 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 CHRIS L. THOMPSON, P.E. #62505	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #			59
					VILLAGE OF ESTERO	CN 2022-02			

(2.A.3.) STRUCTURAL PRACTICES

IN THE CONTRACTOR'S SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN, DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES MAY INCLUDE THE FOLLOWING, AS APPROVED BY THE ENGINEER:

TEMPORARY DEVICES:

- \* SILT FENCE
  - \* STAKED TURBIDITY BARRIERS
  - \* SOIL TRACKING PREVENTION DEVICES AT CONSTRUCTION ENTRANCES/EXITS
  - \* FLOATING TURBIDITY BARRIERS
  - \* INLET PROTECTION SYSTEMS INCLUDING SYNTHETIC BALES AND SANDBAGS
  - \* SEDIMENT BASIN/CONTAINMENT SYSTEMS
  - \* CHEMICAL TREATMENTS SUCH AS POLYACRYLAMIDES AND ALUM
- PERMANENT:
- \* STORMWATER PONDS
  - \* SOD (MAY ALSO BE USED FOR TEMPORARY CONTROLS)
  - \* VELOCITY DISSIPATION DEVICES SUCH AS RIPRAP OR OTHERS

(2.B.) WATER QUALITY MONITORING

- (2.B.1.) WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT, OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMIT OR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- (2.B.2.) THE CONTRACTOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (NO GREATER THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTUs) ABOVE BACKGROUND OR GREATER THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OUTSTANDING FLORIDA WATERS (OFWs)).
- (2.B.3.) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY. THE ENVIRONMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES REEVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (LESS THAN 29 NTUs ABOVE BACKGROUND OR LESS THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFWs).
- (2.B.4.) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

(2.C.) DEWATERING CONTROLS

THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL INCLUDE A DESCRIPTION OF THE BMPs THAT WILL BE USED TO ENSURE THAT DISCHARGES OF NONCONTAMINATED GROUND WATER FROM DEWATERING OPERATIONS DO NOT CAUSE OR CONTRIBUTE TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

(2.D.) OTHER CONTROLS

- (2.D.1.) THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL IDENTIFY CHEMICAL AND FUEL STORAGE AREAS, MEANS OF MINIMIZING EXPOSURE TO STORMWATER, AND SPILL PREVENTION.
- (2.D.2.) OFFSITE VEHICLE TRACKING & GENERATION OF DUST

IN THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN, DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- (2.D.2.a.) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN.
- (2.D.2.b.) REMOVING EXCESS DIRT FROM ROADS DAILY.
- (2.D.2.c.) USING WATER TRUCKS DURING DUST-GENERATING ACTIVITIES.
- (2.D.2.d.) SEDIMENT CONTROL MAY BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.

3. MAINTENANCE

MAINTAIN AND REPAIR ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVE EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. REMOVE AND PROPERLY DISPOSE OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

- (3.A.) IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.
- (3.B.) SEDIMENT BARRIERS SHALL BE REPLACED WHEN IT IS NO LONGER EFFECTIVE OR AS DIRECTED BY THE ENGINEER.
- (3.C.) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.
- (3.D.) REMOVE SEDIMENT FROM SEDIMENT BASINS WHEN IT BECOMES MORE THAN HALF THE AVAILABLE VOLUME.

4. INSPECTION, TRACKING, AND REPORTING

INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD RAINFALL.

- (4.A.) SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.
- (4.B.) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES.
- (4.C.) USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM # 650-040-03, FOR DAILY INSPECTIONS.

5. NON-STORMWATER DISCHARGES

THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES AND DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION. THE PLAN SHALL INCLUDE PROCEDURES FOR SPILL CONTAINMENT, REPORTING AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE DISTRICT CONTAMINATION IMPACT COORDINATOR AT 863-519-2300 AND THE ENGINEER. IF A RELEASE CONTAINING HAZARDOUS SUBSTANCES OCCURS, CONTACT THE FLORIDA STATE WATCH OFFICE AT 800-320-0519 OR 850-413-9911 PER SECTION 9.2 OF THE CGP.

REVISIONS				 1514 BROADWAY FORT MYERS, FLORIDA 33901 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 CHRIS L. THOMPSON, P.E. #62505	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #			60
					VILLAGE OF ESTERO	CN 2022-02			

**GENERAL NOTES**

1. THE REGULATORY SPEED DURING CONSTRUCTION SHALL BE MAINTAINED AS THE POSTED SPEED AT ALL TIMES.
2. THE MINIMUM WIDTH OF ANY TRAVEL LANE DURING CONSTRUCTION IS 10 FEET.
3. LANE CLOSURES ARE NOT PERMITTED DURING PEAK HOURS; FROM 7:00 AM TO 9:00 AM AND 3:00 PM TO 6:30 PM, ON WEEKDAYS. ALL WORK PERFORMED DURING NIGHT TIME MUST FOLLOW ESTERO COUNTY NOISE ORDINANCES. LANE CLOSURES ARE ALSO RESTRICTED ON HOLIDAYS AND SPECIAL EVENT DAYS, AND EMERGENCY AS DEEMED NECESARY BY ESTERO COUNTY EMERGENCY MANAGEMENT, LAW ENFORCEMENT, OR THE ENGINEER.
4. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS IN ADVANCE OF ANY LANE CLOSURES OR DETOURS.
5. AT THE DISCRETION OF THE ENGINEER OPEN ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (5 MINUTE DELAY) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS DETERMINED BY THE ENGINEER.
6. CONTRACTOR IS TO NOTIFY PROPOERTY OWNERS AT LEAST ONE WEEK IN ADVANCE OF THE START OF EACH CONSTRUCTION PHASE.
7. CONTRACTOR TO MITIGATE DROP OFF CONDITIONS PER FDOT STANDARD PLAN INDEX 102-600.
8. THE USE OF PORTABLE CHANGABLE MESSAGE SIGNS (PCMS) WILL BE REQUIRED 500' PRIOR TO THE FIRST WORK ZONE SIGN IN EACH DIRECTION. THE MESSAGE FOR THE SIGNS SHALL READ AS FOLLOWS:

14 DAYS PRIOR TO CONSTRUCTION:

DISPLAY 1: SANDY  
LANE  
WORK

DISPLAY 2: BEGINS  
DATE

**PHASING NOTES**

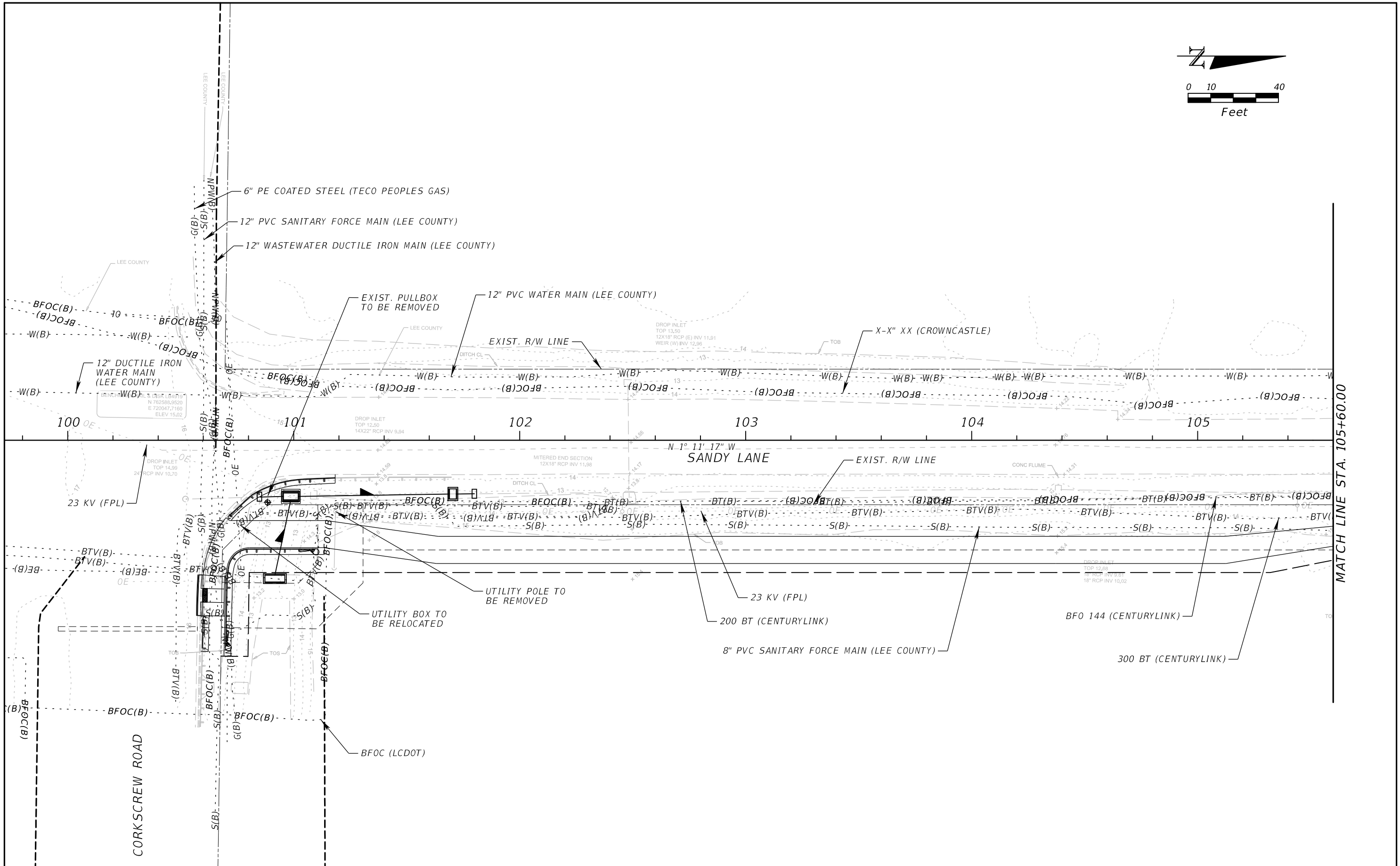
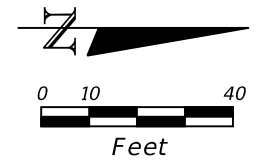
PHASE IA

1. PLACE SIGNS, CHANNELIZING DEVICES, AND OTHER DEVICES TO MAINTAIN TRAFFIC IN ACCORDANCE WITH STANDARD PLANS 102-602 AND 102-603
2. CONSTRUCT ALL ROADWAY ELEMENTS INCLUDING CURB AND GUTTER INSTALLATION, AND MILLING AND RESURFACING ACTIVITIES AT ESTERO RIVER CIRCLE AS SHOWN IN PLANS.

PHASE IB

1. PLACE SIGNS, CHANNELIZING DEVICES, AND OTHER DEVICES TO MAINTAIN TRAFFIC IN ACCORDANCE WITH STANDARD PLANS 102-602 AND 102-603
2. CONSTRUCT PROPOSED DESIGN ELEMENTS INCLUDING ALL SHARED USE PATH, PEDESTRIAN BRIDGE, DRAINAGE ELEMENTS AND REGRADING OF SWALES AS SHOWN IN THE PLANS.

REVISIONS				 1514 BROADWAY FORT MYERS, FLORIDA 33901 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE MULTI-USE PATH ACROSS THE ESTERO RIVER & ALONG BROADWAY			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #			61
					VILLAGE OF ESTERO	CN 2022-02 (typ)			



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

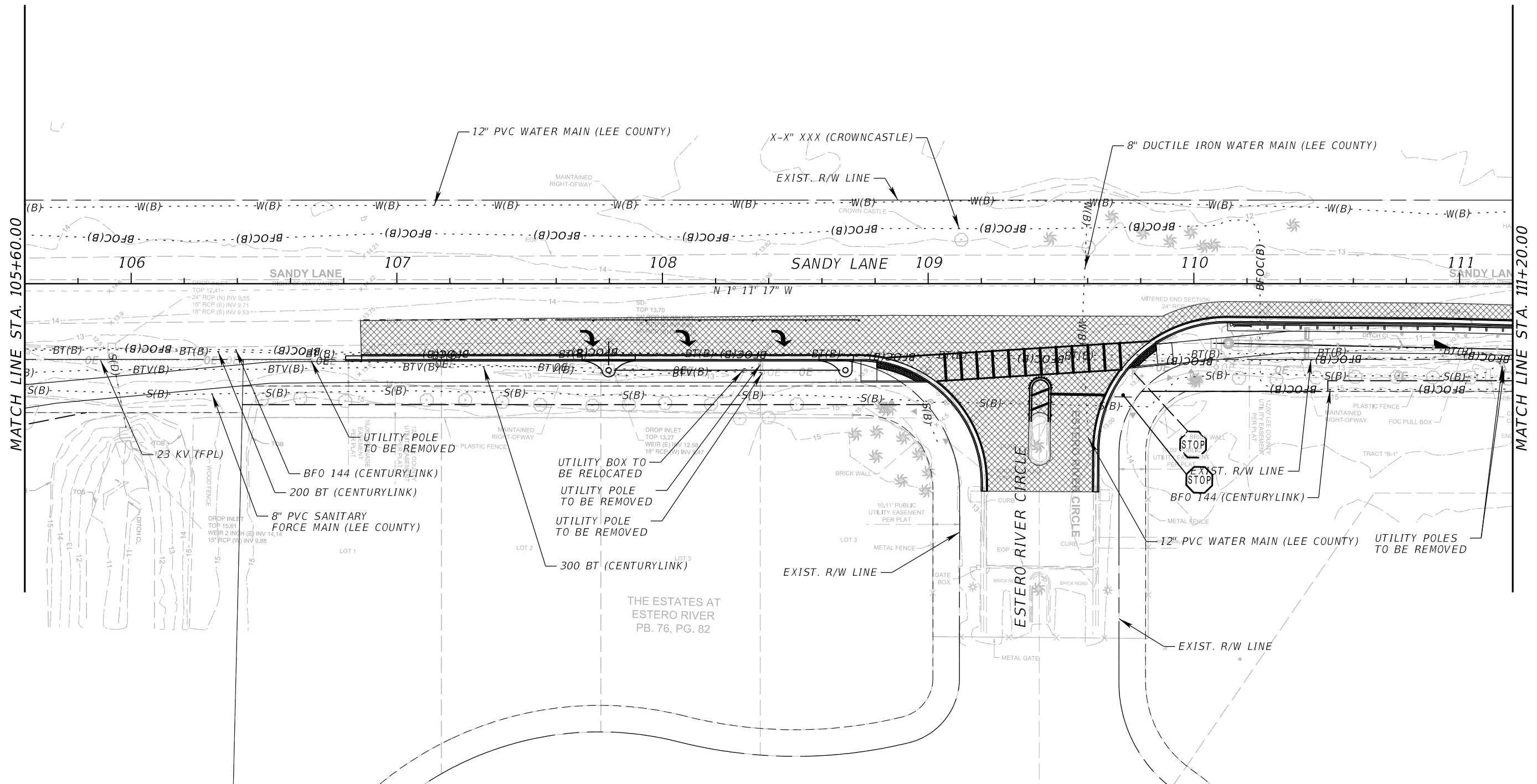
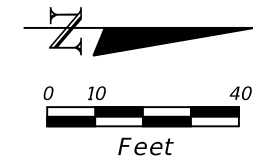
SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



**UTILITY ADJUSTMENTS (1)**

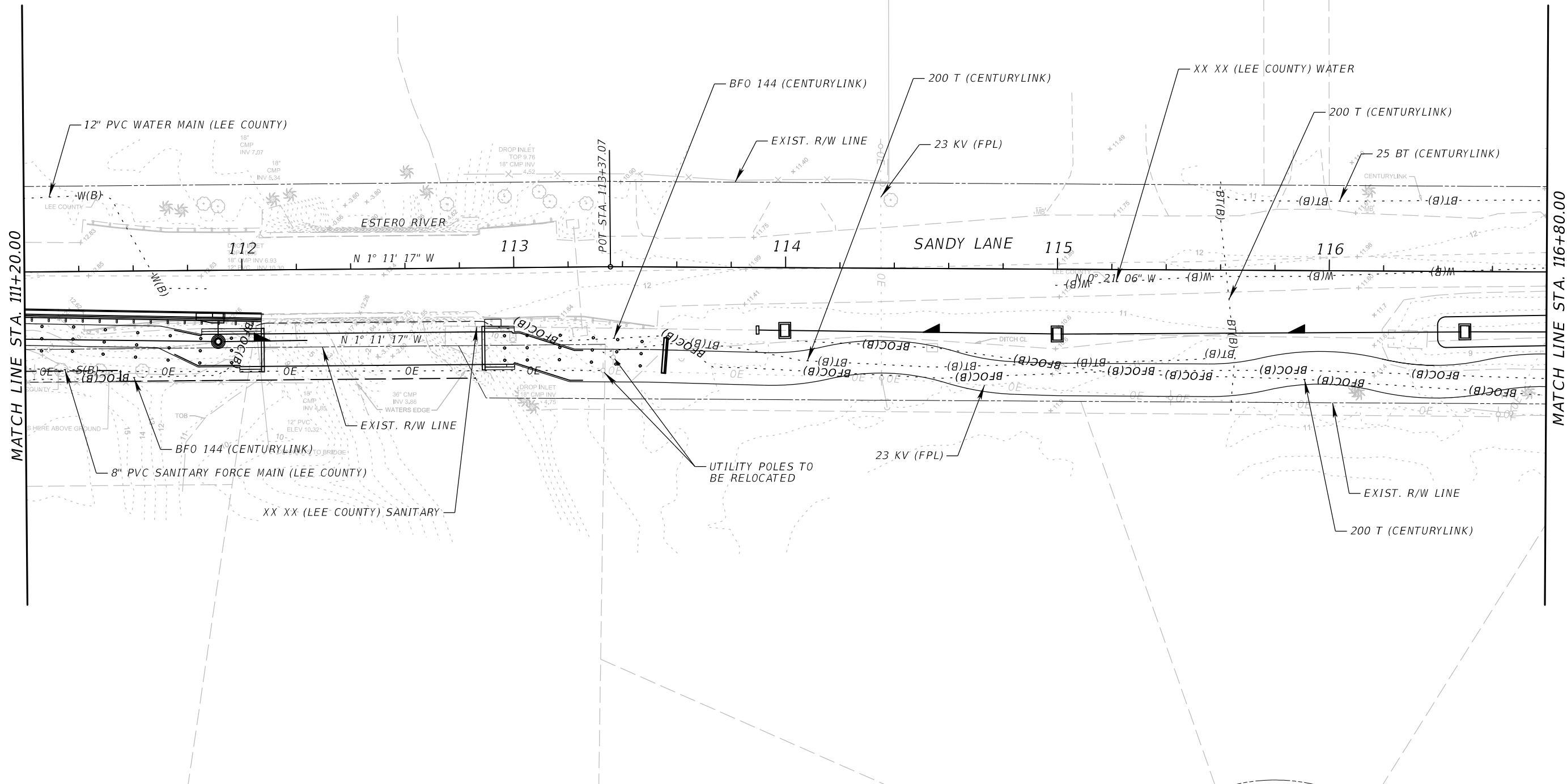
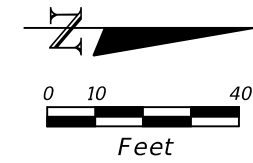
SHEET  
NO.  
**62**

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



REVISIONS				 <b>ATKINS</b> 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS		 Village of <b>ESTERO</b>	<b>UTILITY ADJUSTMENTS (2)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			63
					VILLAGE OF ESTERO	CN 2022-02			

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

<i>SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS</i>	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02

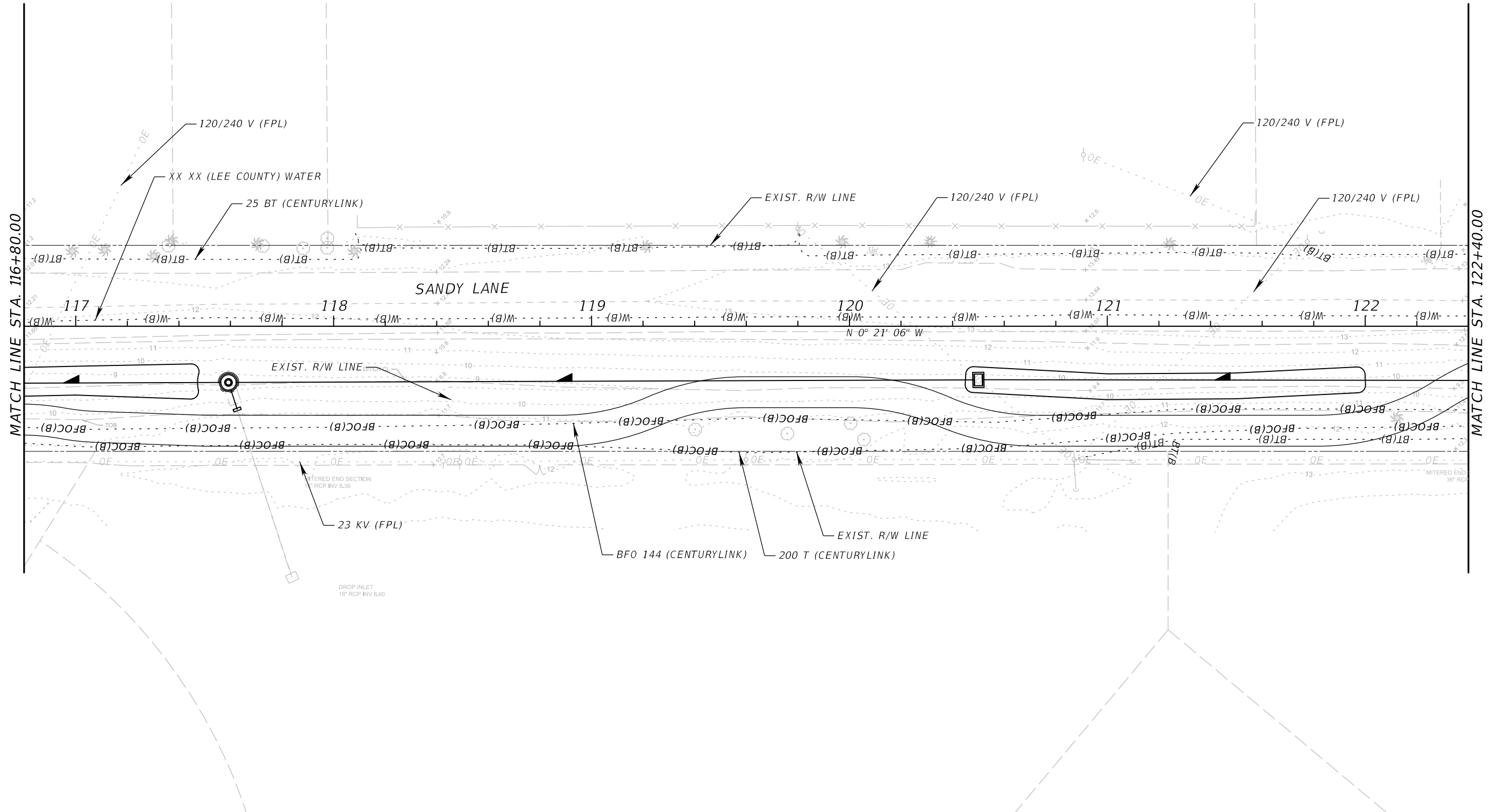
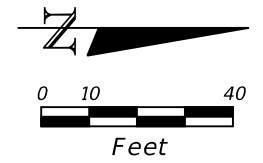


**UTILITY ADJUSTMENTS (3)**

SHEET NO.
64

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MATCH LINE STA. 116+80.00

MATCH LINE STA. 122+40.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

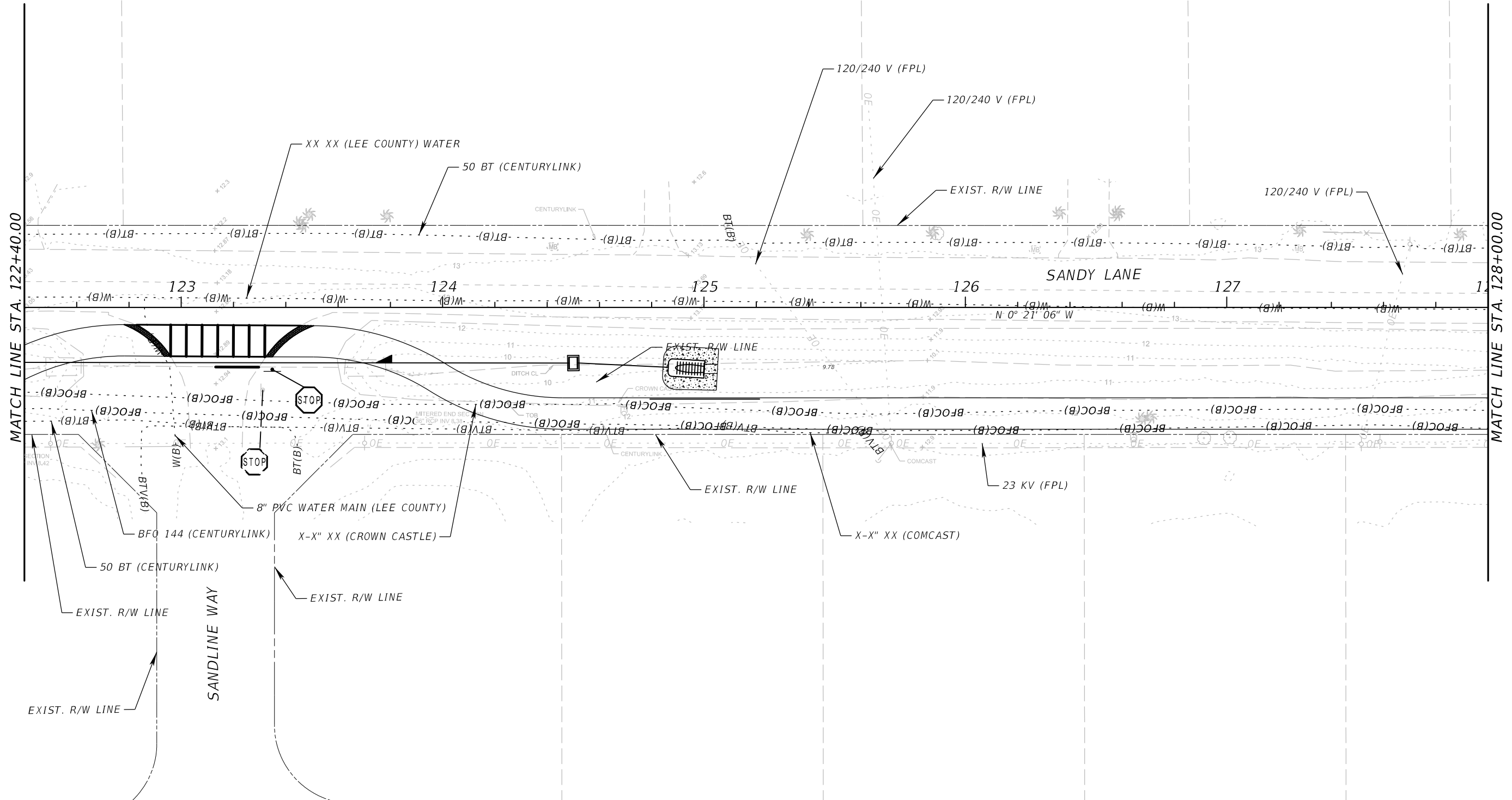
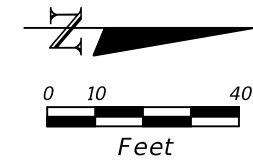
<i>SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS</i>	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



**UTILITY ADJUSTMENTS (4)**

SHEET NO.  
**65**

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MATCH LINE STA. 122+40.00

MATCH LINE STA. 128+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

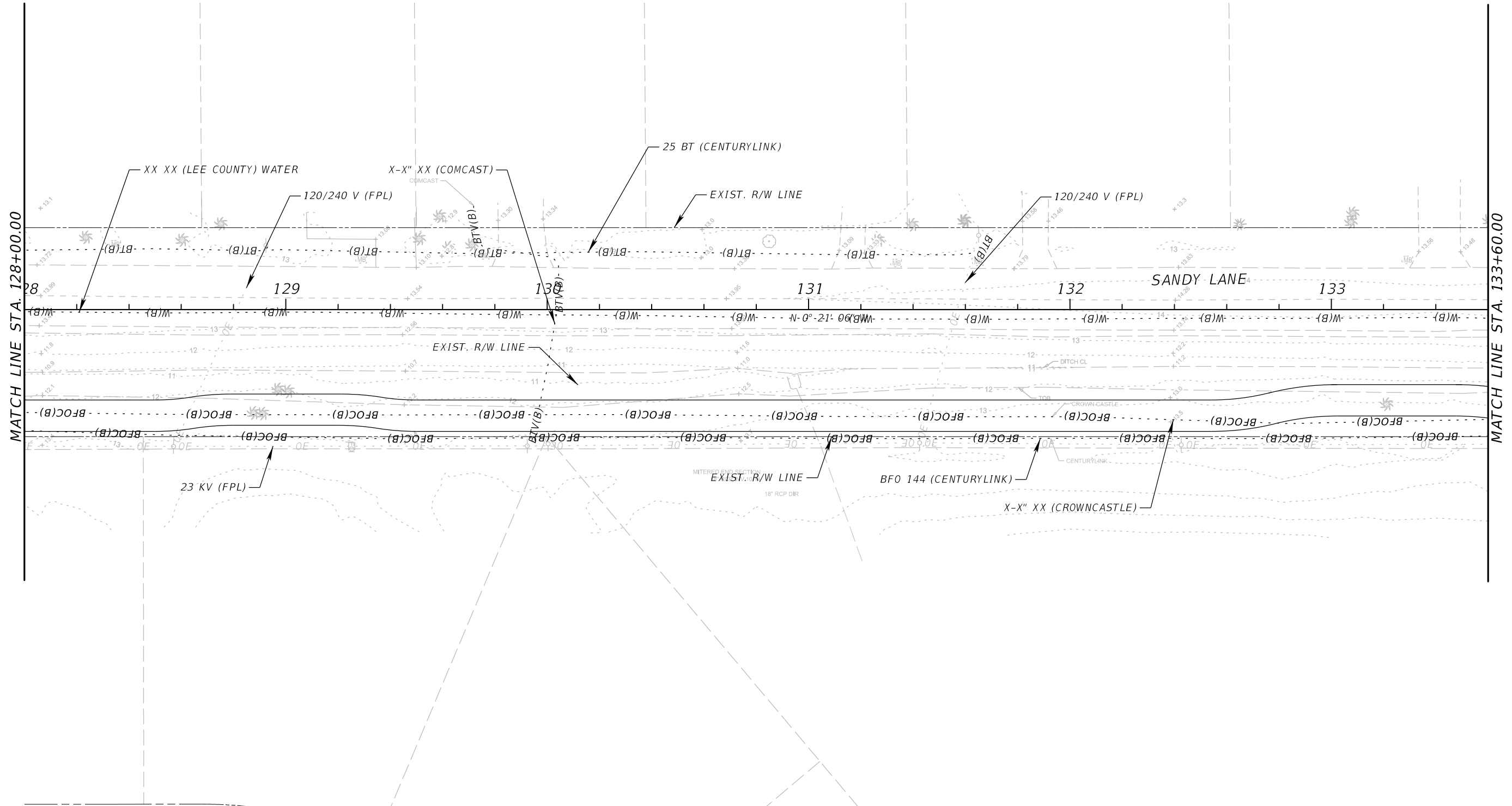
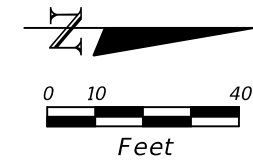
<i>SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS</i>	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



**UTILITY ADJUSTMENTS (5)**

SHEET  
NO.  
**66**

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

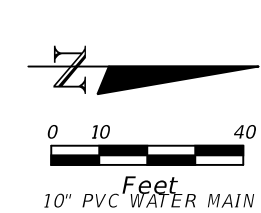
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CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



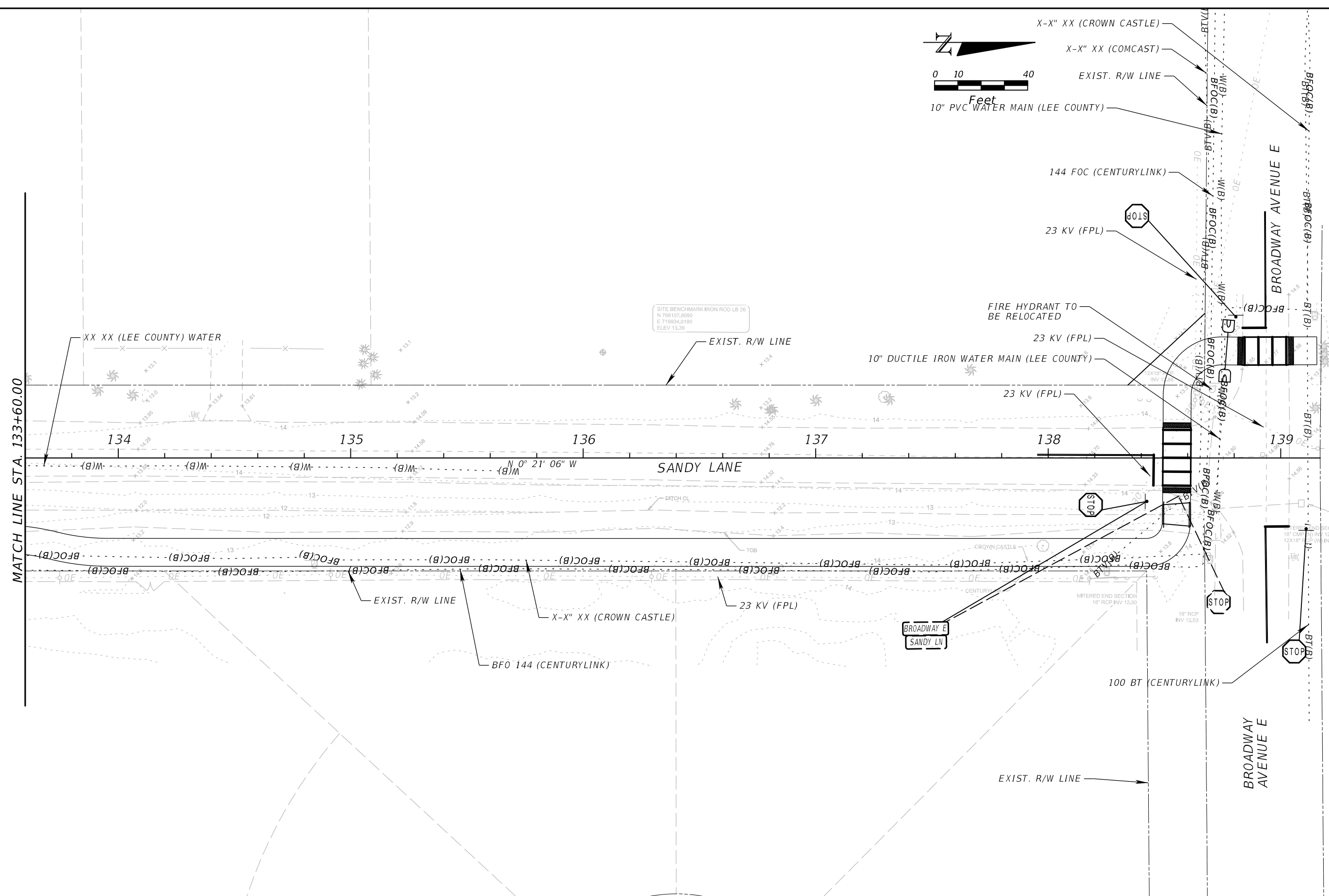
*UTILITY ADJUSTMENTS (6)*

SHEET NO.
67

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- X-X" XX (CROWN CASTLE)
- X-X" XX (COMCAST)
- EXIST. R/W LINE
- 10" PVC WATER MAIN (LEE COUNTY)
- 144 FOC (CENTURYLINK)
- 23 KV (FPL)
- FIRE HYDRANT TO BE RELOCATED
- 10" DUCTILE IRON WATER MAIN (LEE COUNTY)
- 23 KV (FPL)
- 23 KV (FPL)
- 100 BT (CENTURYLINK)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



**UTILITY ADJUSTMENTS (7)**

SHEET  
NO.  
**68**

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INDEX OF SUMMARY OF QUANTITIES

SHEET NO.	SHEET DESCRIPTION
SQ-1	SUMMARY OF LUMP SUM ITEMS
SQ-2	SUMMARY OF EROSION & SEDIMENT CONTROL DEVICES
SQ-3	SUMMARY OF LITTER REMOVAL AND MOWING
SQ-3	SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS
SQ-3	SUMMARY OF EARTHWORK
SQ-3	SUMMARY OF PAVEMENT
SQ-4	SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT
SQ-4	SUMMARY OF RAILING
SQ-4	SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS
SQ-5	SUMMARY OF SIDEWALK & DETECTABLE WARNINGS
SQ-6	SUMMARY OF GUARDRAIL
SQ-7	SUMMARY OF PERFORMANCE TURF
SQ-8	SUMMARY OF SIGNING AND PAVEMENT MARKING



SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			
0102 1	MAINTENANCE OF TRAFFIC	1			

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES												
LOCATION  STA. TO STA.	SIDE	AREA ID	SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		STAKED TURBIDITY BARRIER		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 10	3	0104 11		0104 12		0104 18			
			LF		LF		LF		EA			
P	F	P	F	P	F	P	F	P	F			
100+78.26 TO 100+78.26	RT		46.0									
101+05.20 TO 106+50.00	RT		546.0									
111+56.00 TO 112+27.60	RT		72.0									
113+00.00 TO 117+50.00	RT		450.0									
122+60.42 TO 122+95.54	RT		40.0									
123+36.64 TO 123+65.90	RT		33.0									
137+00.00 TO 139+41.85	RT		142.0									
100+81.29 TO 101+08.36	RT					32.0						
112+17.39 TO 112+40.76	RT				132.0							
112+64.25 TO 113+07.41	RT				127.0							
PROJECT	-		255.0								FIBER LOG CHECK STRUCTURE	
PROJECT	-								19		AT EACH INLET LOCATION	
SUB-TOTAL:			1584.0		259.0		32.0		19			
TOTAL:			1584		259		32		19			

PAY ITEM NOTES:

0107-1 & 0107-2 - ASSUMED 1 CYCLE UNTIL PRELIMINARY CONSTRUCTION DURATION IS CALCULATED.

0430-174-236 - IS FOR 29"x45" (EQUIVALENT 36")

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			
					VILLAGE OF ESTERO	CN 2022-02			



SUMMARY OF EARTHWORK					
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120 1	REGULAR EXCAVATION	1039			
0120 6	EMBANKMENT	2950			

SUMMARY OF PAVEMENT														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0327 70 1	Milling Exist Asph Pavt, 1" Avg Depth	100+46.62 to 100+59.57		RT	194134			SY	25		939			
		106+87.78 to 112+08.63		LT/RT	194115				914.78					
0337 7 80	Asphalt Concrete Friction Course, Traffic B, FC-9.5, PG 76-22	100+46.62 to 100+59.57		RT	194162			TN	1.3		56.7			
		106+87.78 to 112+08.63		LT/RT	194143				55.31					

SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT									
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	THICK (IN)	UNDER GUARDRAIL		DESIGN NOTES	CONSTRUCTION REMARKS
						0339 1			
						TN			
STA. TO STA.						P	F		
100+58.86 to 100+62.52	RT	185439				0.65			
100+69.14 to 101+13.58	RT	185463				1.94			
100+70.03 to 101+18.34	RT	185429				0.98			
110+12.67 to 112+06.97	RT	190788				8.68			
112+89.09 to 112+95.18	RT	190795				0.50			
TOTAL:						12.8			
GRAND TOTAL:						12.8			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
800 WATERFORD WAY, SUITE 700  
MIAMI, FLORIDA 33126  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
PEDESTRIAN IMPROVEMENTS

CLIENT: VILLAGE OF ESTERO  
PROJECT ID: CN 2022-02





SUMMARY OF QUANTITIES

SHEET NO.

SQ-3

SUMMARY OF RAILING					
LOCATION	SIDE	PIPE HANDRAIL - GUIDERAIL (ALUMINUM)		DESIGN NOTES	CONSTRUCTION REMARKS
		0515	1 2		
		LF			
STA. TO STA.		P	F		
111+75.00 to 112+06.93	RT	32.4			
111+75.00 to 112+06.93	RT	33.1			
112+89.09 to 113+25.00	RT	37.3			
112+89.09 to 113+25.16	RT	37.3			
124+79.29 to 125+21.29	RT	42.0			
138+49.62 to 138+49.62	RT	22.0			
SUB-TOTAL:		204.2			
TOTAL:		204			

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
						TYPE	LENGTH	P	F					
0520 1 10	Concrete Curb & Gutter, Type F	100+58.89 to 100+59.55	RT		LF	18.0			18	572				
		106+80.74 to 109+21.94	RT		LF	268.6			269					
		106+62.22 to 112+07.01	RT		LF	285.8			286					

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS		 Village of <b>ESTERO</b>	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			SQ-4
					VILLAGE OF ESTERO	CN 2022-02			



**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 2		0527 2			
					SY		SF			
					P	F	P	F		
100+60.29 to 100+81.93	RT	184878			50.3					
100+81.93 to 108+99.84	RT	186741			933.4					
109+75.61 to 112+07.93	RT	186758			218.0					
112+88.09 to 122+97.21	RT	186782			1351.4					
123+32.43 to 138+61.24	RT	186781			2053.3					
138+49.41 to 138+83.51	LT	186496			70.2					
139+03.45 to 139+15.59	LT	184791			16.2					
100+61.13 to 100+63.25	RT	184879					12.0			
108+80.68 to 108+99.09	RT	186582					35.4			
109+76.08 to 109+85.70	RT	186576					22.0			
122+79.59 to 122+97.42	RT	187208					37.6			
123+33.92 to 123+52.14	RT	187214					37.9			
138+50.74 to 138+62.73	RT	187219					24.0			
138+50.91 to 138+62.92	LT	187224					24.0			
138+83.01 to 138+85.13	LT	187234					24.0			
139+04.91 to 139+06.95	LT	187229					24.0			
SUB-TOTAL:					4692.8		240.9			
TOTAL:					4693		241			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS

CLIENT	PROJECT ID
VILLAGE OF ESTERO	CN 2022-02



**SUMMARY OF QUANTITIES**

SHEET NO.  
SQ-5

**SUMMARY OF GUARDRAIL**

LOCATION	SIDE	GUARDRAIL (W-BEAM, LOW SPEED, TL-2)		GUARDRAIL (W-BEAM, GENERAL, TL-3)		PIPE RAIL		GUARDRAIL TRANSITION CONNECTION, APPROACH TL-2		GUARDRAIL REMOVAL		END TREATMENT (TRAILING ANCHORAGE)		END TREATMENT (PARALLEL APPROACH TERMINAL)		END TREATMENT (CRT END TREATMENT)		DESIGN NOTES	CONSTRUCTION REMARKS
		0536 1 0		0536 1 1		0536 6		0536 8 111		0536 73		0536 85 20		0536 85 24		0536 85 26			
		LF		LF		LF		EA		LF		EA		EA		EA			
STA. TO STA.		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
110+55.86 to 110+94.06	RT	38.2																	
110+94.06 to 112+06.95		113.0																	
100+71.42 to 100+71.83	RT			18.7															
100+71.83 to 100+72.66	RT			7.0															
100+72.66 to 100+81.93	RT			12.9															
100+81.93 to 101+00.68	RT			18.7															
100+82.45 to 101+05.27	RT			24.2															
101+05.27 to 101+19.82	RT			14.6															
110+27.48 to 110+55.86	RT					28.4													
110+55.86 to 110+94.06	RT					38.2													
110+94.06 to 112+04.07	RT					110.0													
100+60.91 to 100+61.64	RT									27.0									
100+61.64 to 100+62.89	RT									12.4									
100+62.89 to 100+67.76	RT									13.0									
100+67.76 to 100+75.33	RT									12.5									
100+75.33 to 100+80.35	RT									6.7									
100+80.35 to 100+87.22	RT									8.4									
100+87.22 to 100+95.66	RT									9.0									
100+95.66 to 101+06.96	RT									11.4									
101+06.96 to 101+18.44	RT									11.5									
111+44.94 to 111+57.39	RT									12.6									
111+57.39 to 111+64.82	RT									7.5									
111+64.82 to 111+69.98	RT									5.2									
111+69.98 to 111+77.37	RT									7.4									
111+77.37 to 111+93.40	RT									16.0									
111+93.40 to 112+07.13	RT									13.7									
111+89.72 to 112+08.47	RT								1										
100+60.92 to 100+61.28	RT										1								
100+72.64 to 100+82.36	RT										1								
110+13.66 to 110+13.66	RT											1							
100+71.22 to 100+71.22	RT												1						
101+10.05 to 101+10.05	RT													1					
SUB-TOTAL:		151.2		96.1		176.6		1		174.3		2		1		2			
TOTAL:		151		96		177		1		174		2		1		2			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**ATKINS**  
 800 WATERFORD WAY, SUITE 700  
 MIAMI, FLORIDA 33126  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 RYAN M. JENSEN, P.E. #86609

SANDY LANE BICYCLE/  
 PEDESTRIAN IMPROVEMENTS  
 CLIENT: VILLAGE OF ESTERO  
 PROJECT ID: CN 2022-02





**SUMMARY OF QUANTITIES**

SHEET NO.  
SQ-6

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

**SUMMARY OF PERFORMANCE TURF**


LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
					SY			
					P	F		
100+70.14 to 108+99.84	RT	187884			514.4			
100+71.59 to 106+80.74	RT	187836			171.9			
100+80.46 to 108+99.84	RT	187808			228.8			
100+80.84 to 106+80.72	RT	188047			1088.6			
109+76.22 to 111+98.93	RT	187781			62.4			
109+76.42 to 111+98.94	RT	188111			266.0			
109+85.51 to 110+16.95	RT	187799			8.9			
112+89.09 to 114+99.97	RT	188125			142.8			
112+99.97 to 122+95.93	RT	187674			280.1			
113+01.91 to 122+78.41	RT	187723			278.4			
113+03.33 to 119+24.17	RT	188168			622.6			
115+55.61 to 116+35.41	RT	188136			27.9			
116+42.38 to 117+49.96	RT	188141			29.1			
118+87.88 to 120+72.48	RT	188147			236.8			
120+35.05 to 122+18.23	RT	188162			193.6			
121+81.48 to 122+96.44	RT	188154			260.3			
123+32.42 to 124+45.22	RT	188074			252.5			
123+32.42 to 138+63.25	RT	187632			434.3			
123+45.71 to 138+49.26	RT	187583			344.3			
124+09.96 to 138+47.16	RT	188088			1893.4			
128+51.88 to 129+47.94	RT	188190			22.1			
132+56.86 to 133+92.94	RT	188080			77.8			
138+34.22 to 138+83.70	LT	185257			99.9			
138+61.41 to 138+83.51	LT	185266			56.8			
SUB-TOTAL :					7593.3			
TOTAL :					7593			

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 RYAN M. JENSEN, P.E. #86609	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS		 Village of <b>ESTERO</b>	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT ID			SQ-7
					VILLAGE OF ESTERO	CN 2022-02			

**SUMMARY OF SIGNING AND PAVEMENT MARKING**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL		
			SHEET 1		SHEET 2		SHEET 3		SHEET 4		SHEET 5		SHEET 6		SHEET 7		PLAN	FINAL	PLAN	FINAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL					
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS			1							1				3		5		5	
0700 1 50	SINGLE POST SIGN, RELOCATE	AS													1		1		1		
0700 1 60	SINGLE POST SIGN, REMOVE	AS			1							1				1		3		3	
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA			24										18		42		42		
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS															1		1		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.003		0.103			0.016									0.123		0.123		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK, 12"	LF			168							99				90	357		357		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, FOR STOP BAR OR CROSSWALK, 24"	LF			140							101				142	383		383		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROW	EA			3												3		3		
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONALS AND CHEVRONS, 18"	LF			17												17		17		
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM													0.057		0.057		0.057		
0711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK	LF			168							99				90	357		357		
0711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP BAR OR CROSSWALK	LF			140							101				142	383		383		
0711 11 170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA			3												3		3		
0711 11 224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF			17												17		17		
0711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.003		0.103			0.016									0.123		0.123		
0711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM													0.057		0.057		0.057		

\* THESE QUANTITIES ARE PAID FOR UNER PAINTED PAVEMENT MARKINGS (FINAL SURFACE). LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

<p align="center"><b>ATKINS</b>                  800 WATERFORD WAY, SUITE 700                  MIAMI, FLORIDA 33126                  FBPE CERTIFICATE OF AUTHORIZATION NO. 24                  RYAN M. JENSEN, P.E. #86609</p>				<p align="center">SANDY LANE BICYCLE/                  PEDESTRIAN IMPROVEMENTS</p>			<p align="center"><i>SUMMARY OF QUANTITIES</i></p>	<p align="center">SHEET NO. SQ-8</p>
<p align="center">DATE</p>		<p align="center">DESCRIPTION</p>		<p align="center">CLIENT</p>				
				<p align="center">VILLAGE OF ESTERO</p>		<p align="center">CN 2022-02</p>		