

CONTRACT PLAN COMPONENTS

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- INTELLIGENT TRANSPORTATION SYSTEMS PLANS
- LIGHTING PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	DESCRIPTION
01	KEY SHEET
02	SIGNATURE SHEET
03	DRAINAGE MAP
04-05	SUMMARY OF PAY ITEMS
06	TYPICAL SECTIONS
07	SUMMARY OF DRAINAGE STRUCTURES
08	OPTIONAL MATERIALS TABULATION
09	GENERAL NOTES
10	PROJECT NETWORK CONTROL
11-12	ROADWAY PLANS
13	ROADWAY PLANS - BID OPTION
14-16	DRAINAGE STRUCTURES
17	POND DETAILS
18-19	POND CROSS SECTIONS
20	DRAINAGE DETAILS
21	ROADWAY SOIL SURVEY
22-23	SOIL PROFILES
24-30	CROSS SECTIONS
31-32	CROSS SECTIONS - BID OPTION
33-34	STORMWATER POLLUTION PREVENTION PLAN
35-37	TEMPORARY TRAFFIC CONTROL PLAN
38-41	UTILITY ADJUSTMENT SHEETS
50-1 - 50-7	SUMMARY OF QUANTITIES

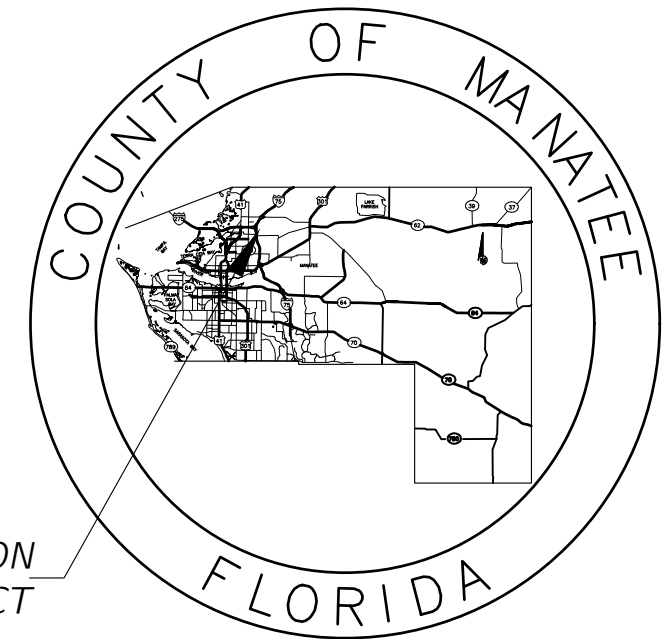
STATE OF FLORIDA

COUNTY OF MANATEE

PROPOSED ROADWAY PLANS FOR 69TH STREET EAST INTERSECTION IMPROVEMENTS ELLENTON, FLORIDA

MANATEE COUNTY PROJECT No: 6083160

LOCATION OF PROJECT



CONSTRUCTION PLANS
JANUARY 2023



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



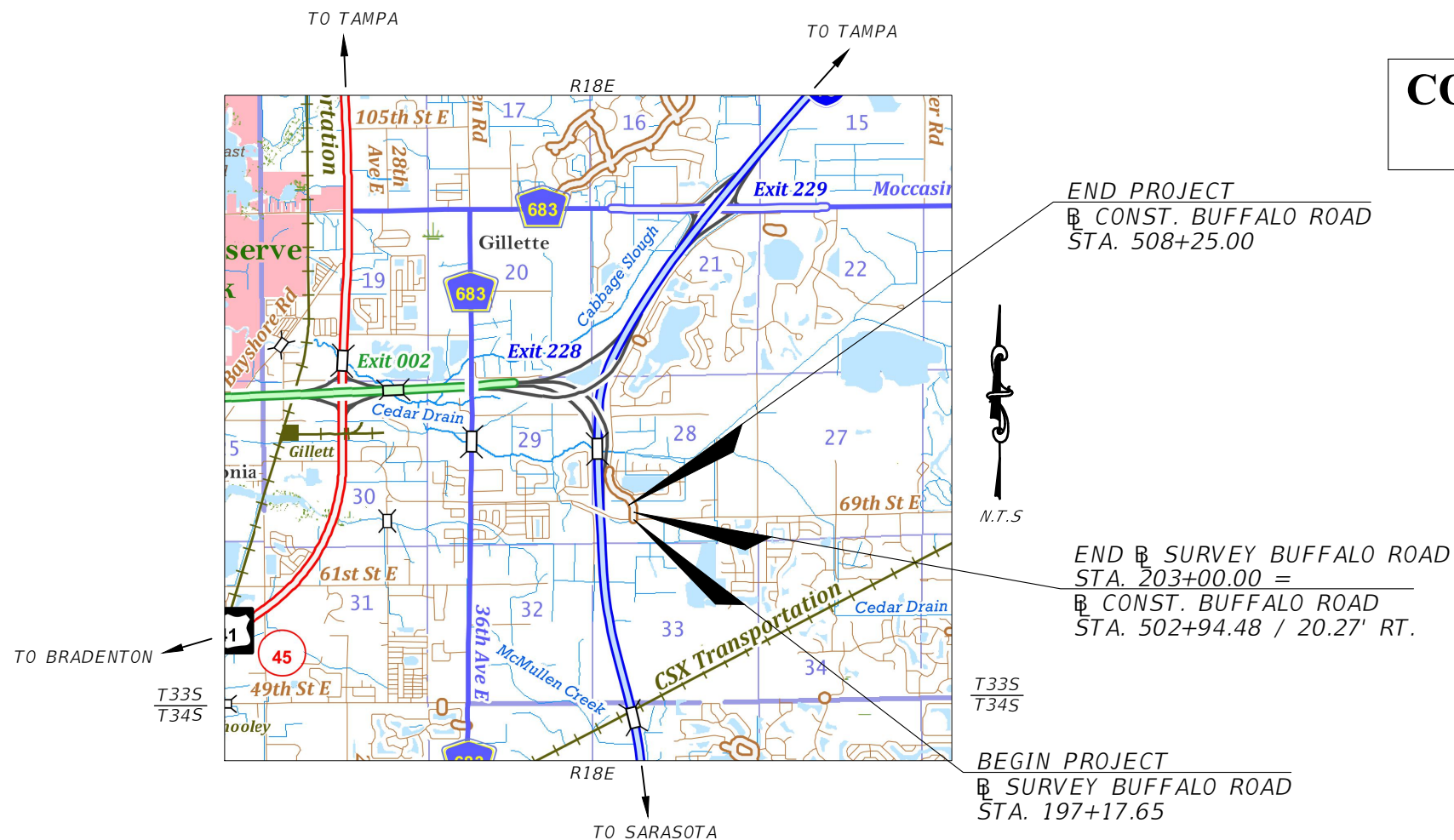
Know what's below
Call before you dig

ROADWAY PLANS
PROFESSIONAL OF RECORD:
DEBORAH HERNANDEZ-CEDENO, P.E.

FLORIDA P.E. # 74754

KISINGER CAMPO AND ASSOCIATES
201 N FRANKLIN ST SUITE 400
TAMPA, FL 33602
PHONE: (813) 871-5331
FAX: (813) 871-5135
VENDOR NO. F59-1677145

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
N/A	23	01



MANATEE COUNTY PROJECT MANAGER: JIM SHULER, P.E.

GOVERNING DESIGN STANDARDS:

FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2022-23 DESIGN STANDARDS eBOOK (DSeB) AND APPLICABLE DESIGN STANDARDS REVISIONS (DSRs) AT THE FOLLOWING WEBSITE:
<https://www.fdot.gov/design/standardplans/current/default.shtm>

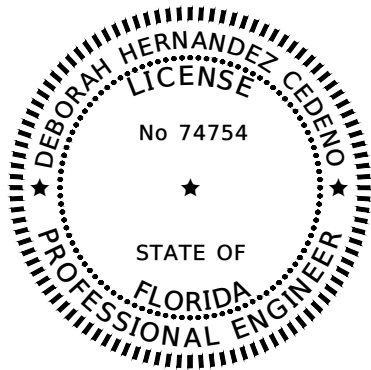
GOVERNING STANDARD SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, JULY 2022 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	1590.97	0.30
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	1590.97	0.30

M:\6201601_00_Manatee_County_Transportation_Services\WD 1 - 60th Ave\Segment 3\roadway\KEYSRD301.dwg [1/10/2023 5:31 PM]

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



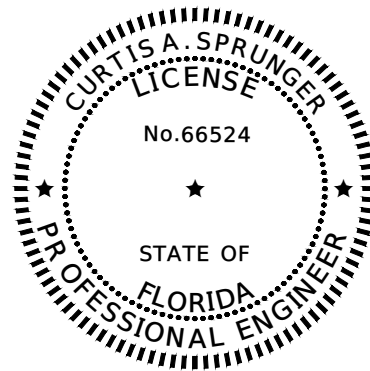
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
Deborah Hernandez Cedeno
 Digitally signed by Deborah Hernandez Cedeno
 Date: 2023.01.13 12:03:05 -05'00'
 ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KISINGER CAMPO & ASSOCIATES CORP.
 201 N FRANKLIN ST, SUITE 400,
 TAMPA, FL 33602
 DEBORAH HERNANDEZ-CEDENO, P.E. NO. 74754

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

SHEET NO.	DESCRIPTION
01	KEY SHEET
02	SIGNATURE SHEET
04-05	SUMMARY OF PAY ITEMS
06	TYPICAL SECTIONS
09	GENERAL NOTES
10	PROJECT NETWORK CONTROL
11-12	ROADWAY PLANS
13	ROADWAY PLANS - BID OPTION
24-30	CROSS SECTIONS
31-32	CROSS SECTIONS - BID OPTION
38-41	UTILITY ADJUSTMENT SHEETS
SQ-1, SQ-3, SQ-4, SQ-6, SQ-7	SUMMARY OF QUANTITIES



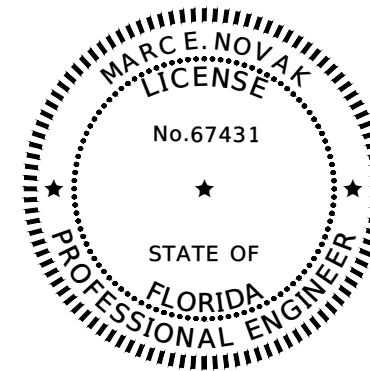
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
Curtis Sprunger
 Digitally signed by Curtis Sprunger
 Date: 2023.01.13 10:55:24 -05'00'
 ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KISINGER CAMPO & ASSOCIATES CORP.
 201 N FRANKLIN ST, SUITE 400,
 TAMPA, FL 33602
 CURTIS A. SPRUNGER, P.E. NO. 66524

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

SHEET NO.	DESCRIPTION
02	SIGNATURE SHEET
03	DRAINAGE MAP
07	SUMMARY OF DRAINAGE STRUCTURES
08	OPTIONAL MATERIALS TABULATION
14-16	DRAINAGE STRUCTURES
17	POND DETAILS
18-19	POND CROSS SECTIONS
20	DRAINAGE DETAILS
33-34	STORMWATER POLLUTION PREVENTION PLAN
SQ-2, SQ-5	SUMMARY OF QUANTITIES



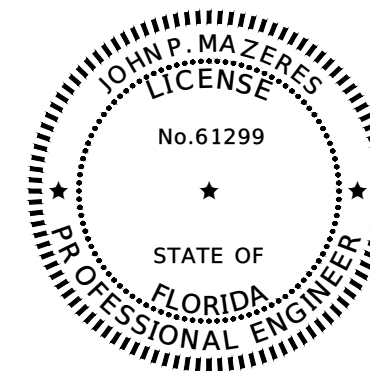
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
Marc E Novak
 Digitally signed by Marc E Novak
 Date: 2023.01.13 10:16:16 -05'00'
 ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

TIERRA
 7351 TEMPLE TERRACE HIGHWAY
 TAMPA, FLORIDA 33637
 MARC E. NOVAK, P.E. NO. 67431

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

SHEET NO.	DESCRIPTION
02	SIGNATURE SHEET
21	ROADWAY SOIL SURVEY
22-23	SOIL PROFILES



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
John P Mazeres
 Digitally signed by John P Mazeres
 Date: 2023.01.13 10:01:01 -05'00'
 ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KISINGER CAMPO & ASSOCIATES CORP.
 111 N MAGNOLIA AVE, SUITE 105,
 ORLANDO, FL 32801
 JOHN P. MAZERES, P.E. NO. 61299

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

SHEET NO.	DESCRIPTION
02	SIGNATURE SHEET
35-37	TEMPORARY TRAFFIC CONTROL PLAN

M:\6201601.00_Mana tee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\SIGNRD301.dwg [1/10/2023 5:31 PM]

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	RPH	5/2018
			SURVEY #	N/A	DESIGNED	AJS	9/2021
			SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
			SCALE	N.T.S.	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
 P.E. LICENSE NUMBER 74754
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN STREET
 SUITE 400
 TAMPA, FL 33602



**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**
 1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 SIGNATURE SHEET**

SHEET NO.
 02

M:\20160100_Manaatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\SUMRI01.dwg [1/12/2023 12:03 PM]

SUMMARY OF PAY ITEMS

ROADWAY

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY TOTAL	TOTAL (INCLUSIVE OF BID OPTION)
101-1	MOBILIZATION	LS	1	1
102-1	MAINTENANCE OF TRAFFIC	LS	1	1
104-10-3	SEDIMENT BARRIER	LF	737	1589
104-11	FLOATING TURBIDITY BARRIER	LF	87	87
104-15	SOIL TRACKING PREVENTION DEVICE	EA	2	2
104-18	INLET PROTECTION SYSTEM	EA	6	5
0107-1	LITTER REMOVAL	AC	8.80	9.07
0107-2	MOWING	AC	7.92	8.03
0110-1-1	CLEARING AND GRUBBING	LS/AC	1/0.99	1/1.22
0110-4-10	REMOVAL OF EXISTING CONCRETE	SY	260	549
120-1	REGULAR EXCAVATION	CY	1033	1184
120-4	SUBSOIL EXCAVATION	CY	540	540
120-6	EMBANKMENT	CY	1391	1710
0160-4	TYPE B STABILIZATION	SY	3995	4542
0285-709	OPTIONAL BASE, BASE GROUP 09	SY	3422	3844
327-70-1	MILLING EXIST. ASPH. PAVT, 1" AVG. DEPTH	SY	5425	8077
334-1-52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22	TN	376.5	423.0
337-7-80	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22	TN	487.0	656.1
425-1-201	INLETS, CURB, TYPE P-9, <10'	EA	1	1
425-1-351	INLETS, CURB, TYPE P-5, <10'	EA	3	4
425-1-361	INLETS, CURB, TYPE P-6, <10'	EA	2	2
425-1-529	INLETS, DT BOT, TYPE C, MODIFY	EA	1	1
425-2-041	MANHOLE, P-7, <10'	EA	1	1
425-5	MANHOLE, ADJUST	EA	3	8
425-6	ADJUST VALVE BOX	EA	1	2
430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" SD	LF	0	167
430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD	LF	173	177
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	229	229
430-175-215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER - ELLIP/ARCH, 15" S/CD	LF	48	52
430-175-224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER - ELLIP/ARCH, 24" S.CD	LF	19	19
430-94-1	DESILTING PIPE, 0-24"	LF	35	35
430-982-125	MITERED END SECTION, ROUND, 18" CD	EA	1	1
430-982-629	MITERED END SECTION, OPTIONAL - ELLIPTICAL/ARCH, 24" CD	EA	1	1
430-984-125	MITERED END SECTION, ROUND, 18" SD	EA	0	1
440-1-50	UNDERDRAIN, TYPE V	LF	428	428
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	289	665
520-2-1	CONCRETE CURB, MANATEE COUNTY TYPE AB MODIFIED	LF	1081	1081
520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL - VARIABLE WIDTH	SY	60	60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	140	321
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	44	98
524-1-19	CONCRETE DITCH PAV, 3", REINFORCED	SY	13	13
527-2	DETECTABLE WARNINGS	SF	40	56
531-1	IMPERMEABLE POND LINER	SY	637	637
570-1-2	PERFORMANCE TURF (SOD)	SY	4806	5176

SUMMARY OF PAY ITEMS

SIGNING & PAVEMENT MARKINGS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY TOTAL	TOTAL (INCLUSIVE OF BID OPTION)
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	11	11
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1	1
700-1-50	SINGLE POST SIGN, RELOCATE	AS	4	5
700-1-60	SINGLE POST SIGN, REMOVE	AS	10	10
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31-50 SF	AS	4	4
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	2	2
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA	2	2
706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	229	341
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	8	8
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1	1
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	618	817
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	293	293
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	170	218
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/6-10 GAP EXTENSION, 6"	GM	0.117	0.164
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2	2
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	18	27
711-11-241	GUIDE LINE / 6-10 DOTTED EXTENSION LINE, 6"	GM	0.061	0.067
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	326	481
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	502	652
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	5	5
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	5	5
711-16-101	THERMOPLASTIC, STANDARD - OTHER SURFACES, WHITE, SOLID, 6"	GM	0.674	0.986
711-16-102	THERMOPLASTIC, STANDARD - OTHER SURFACES, WHITE, SOLID, 8"	GM	0.056	0.056
711-16-131	THERMOPLASTIC, STANDARD - OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.142	0.142
711-16-201	THERMOPLASTIC, STANDARD - OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.495	0.785
711-17-1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS - SURFACE TO REMAIN	SF	34	34

SUMMARY OF PAY ITEMS

LIGHTING

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY TOTAL	TOTAL (INCLUSIVE OF BID OPTION)
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	122	122
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	299	299
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	8	8
639-1-111	ELECTRICAL POWER SERVICE, F&I, OVERHEAD, METER FURNISHED BY POWER COMPANY	AS	1	1
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF	1799	1799
715-5-32	LUMINAIRE & BRACKET ARM- GALV STEEL, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	4	4
715-11-500	LUMINAIRE, REMOVE	EA	1	1
715-61-342	LIGHT POLE, COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 12' ARM LENGTH	EA	1	1
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1	1
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH & INSTALL, CONVENTIONAL	EA	4	4

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	RPH	5/2018
			SURVEY #	N/A	DESIGNED	AJS	9/2021
			SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
			SCALE	N.T.S.	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDEÑO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



Manatee County Florida
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
INTERSECTION IMPROVEMENTS
SUMMARY OF PAY ITEMS (1)

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

M:\20160100_Mana tee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\SUMRI01.dwg [1/12/2023 12:03 PM]

SUMMARY OF PAY ITEMS				
ITS				
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY TOTAL	TOTAL (INCLUSIVE OF BID OPTION)
630-1-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	18	18
630-1-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	3759	4262
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	LF	3253	3756
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF	1291	1291
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	4	4
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1	1
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	1	1
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	4	4
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	4	4
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	9	9
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	9	9
635-2-13	PULL & SPLICE BOX, F&I, 30"X60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	1	1
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	2	2
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	5454	5454
639-3-12	ELECTRICAL SERVICE DISCONNECT, F&I, CABINET	EA	2	2
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	2	2
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	2	2
641-2-14	PRESTRESSED CONCRETE POLE, F&I, TYPE P-IV	EA	3	3
660-3-11	VEHICLE DETECTION SYSTEM - MICROWAVE, FURNISH & INSTALL, CABINET EQUIPMENT	EA	3	3
660-3-12	VEHICLE DETECTION SYSTEM - MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	3	3
676-2-122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	EA	3	3
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	2	2
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	4	4
685-1-12	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION	EA	3	3

SUMMARY OF PAY ITEMS				
SIGNALIZATION				
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY TOTAL	TOTAL (INCLUSIVE OF BID OPTION)
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	370	370
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	329	329
632-7-1	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1	1
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	14	14
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1	1
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	40	40
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1	1
646-1-11	ALUMINUM SIGNALS POLE PEDESTAL	EA	7	7
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1	1
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1	1
649-21-19	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-60'	EA	1	1
650-1-34	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	AS	15	14
650-1-36	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 4 SECTION, 1 WAY	AS	4	4
650-1-39	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 5 SECTION CLUSTER, 1 WAY	AS	0	1
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6	6
653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	1	1
660-3-11	VEHICLE DETECTION SYSTEM - MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	1
660-3-12	VEHICLE DETECTION SYSTEM - MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	8	8
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8	8
670-5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	1	1
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1	1
685-1-12	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION	EA	1	1
700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	8	8
700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4	4

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

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	N.T.S.	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDEÑO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602

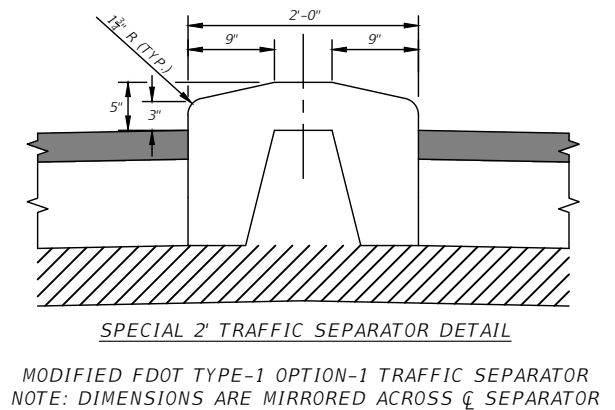
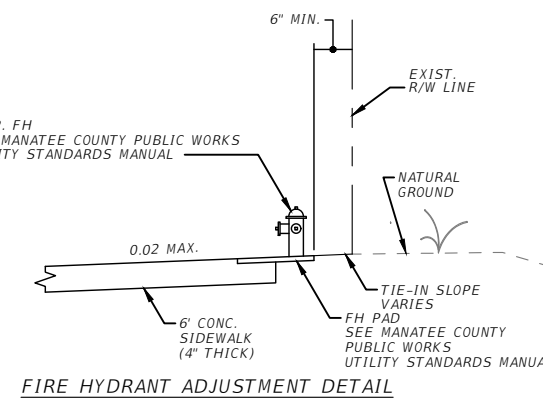
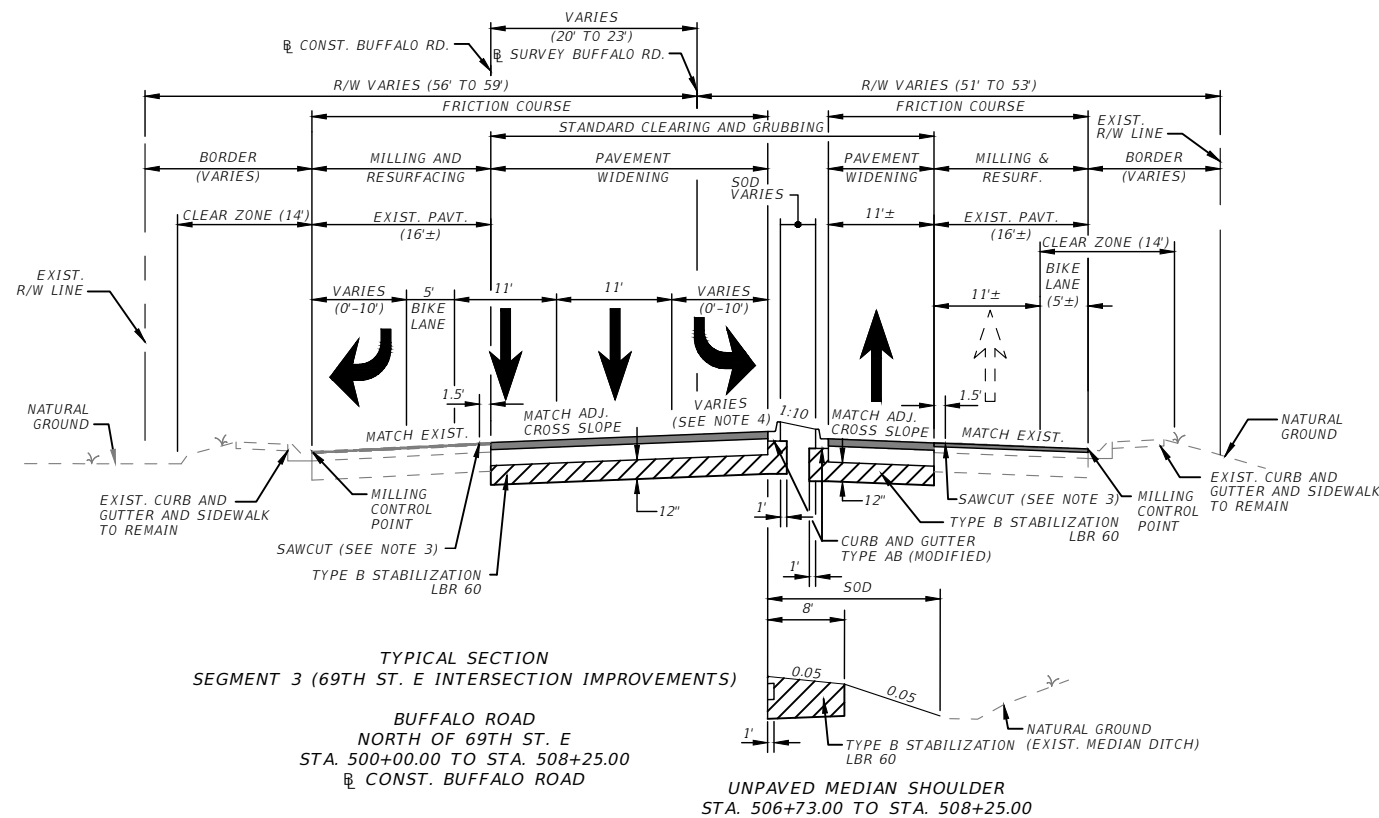
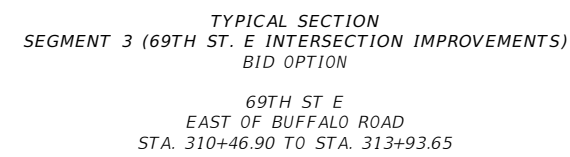
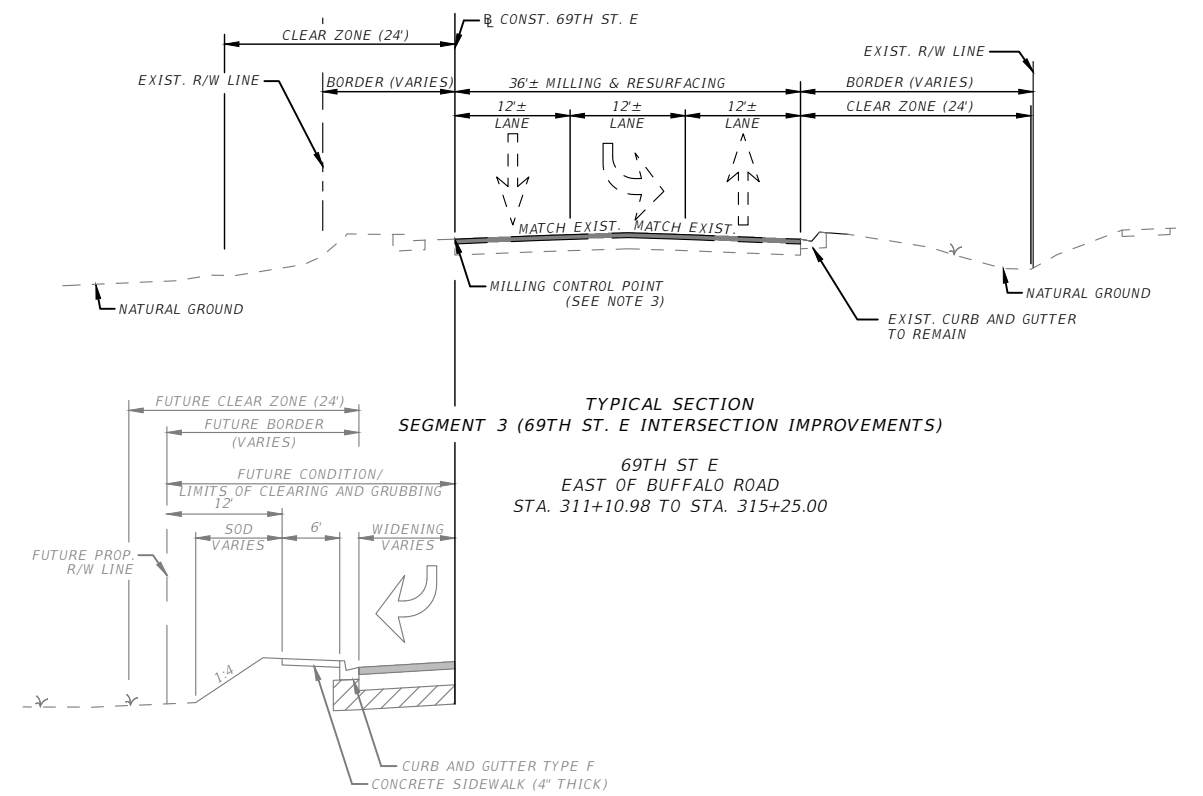
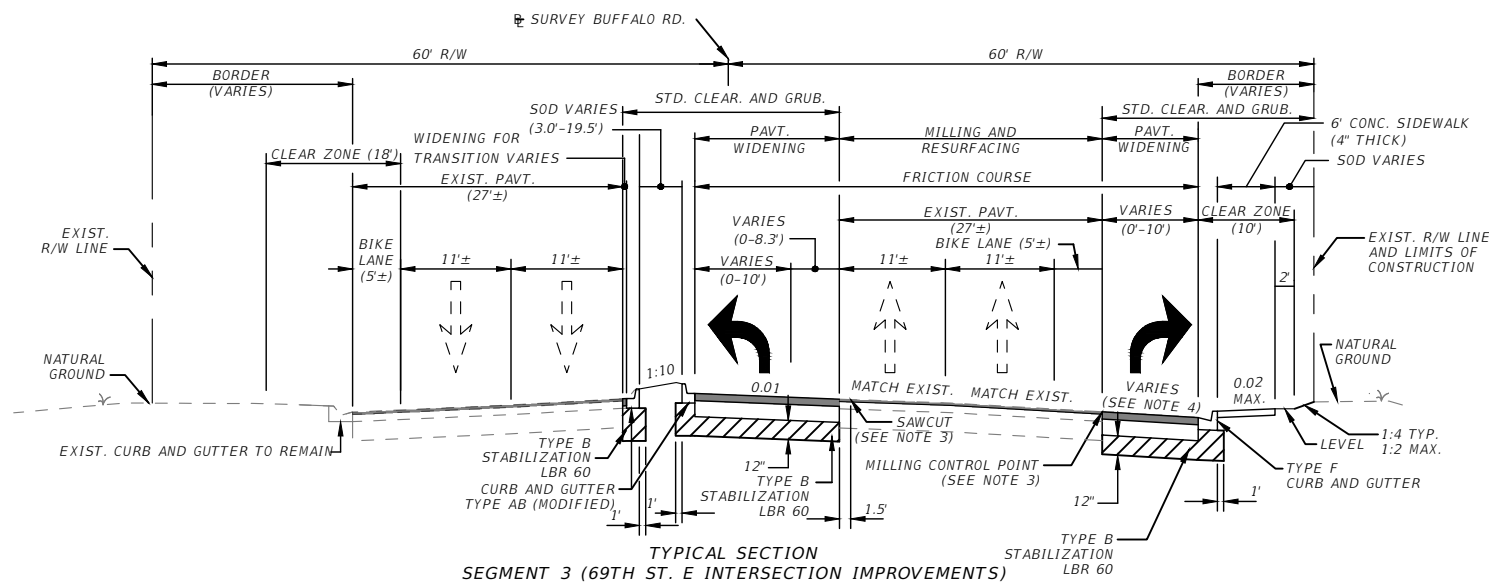


PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
INTERSECTION IMPROVEMENTS
SUMMARY OF PAY ITEMS (2)

SHEET NO.
05

M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\TYPERSD301.dwg [1/10/2023 5:32 PM]



TRAFFIC DATA - BUFFALO RD. (S)

CURRENT YEAR = 2022 AADT = 1,100
ESTIMATED OPENING YEAR = 2022 AADT = 1,100
ESTIMATED DESIGN YEAR = 2045 AADT = 7,400
D = 59.2% T = 4.6% (24 HOUR)
DESIGN HOUR T = 2.3%
TARGET SPEED = 40 MPH
DESIGN SPEED = 40 MPH
POSTED SPEED = 40 MPH

TRAFFIC DATA - BUFFALO RD. (N)

CURRENT YEAR = 2022 AADT = 4,300
ESTIMATED OPENING YEAR = 2022 AADT = 4,300
ESTIMATED DESIGN YEAR = 2045 AADT = 6,300
D = 63.6% T = 3.8% (24 HOUR)
DESIGN HOUR T = 1.9%
TARGET SPEED = 35 MPH
DESIGN SPEED = 35 MPH
POSTED SPEED = 30 MPH

TRAFFIC DATA - 69TH ST. E

CURRENT YEAR = 2022 AADT = 7,800
ESTIMATED OPENING YEAR = 2022 AADT = 7,800
ESTIMATED DESIGN YEAR = 2045 AADT = 12,500
D = 57.5% T = 6.4% (24 HOUR)
DESIGN HOUR T = 3.2%
TARGET SPEED = 45 MPH
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

PAVEMENT/WIDENING

OPTIONAL BASE GROUP 9 WITH
TYPE-SP STRUCTURAL COURSE (TRAFFIC B) (2.0") (PG 76-22) AND
FRICTION COURSE FC 9.5 (TRAFFIC B) (1.0") (PG 76-22)

MILLING AND RESURFACING

MILL EXISTING ASPHALT PAVEMENT (1.0" AVG. DEPTH)
AND RESURFACE WITH
FRICTION COURSE FC 9.5 (TRAFFIC B) (1.0") (PG 76-22)

NOTES

1. SAWCUT AND MATCH EXIST. ELEVATION AT MILLING CONTROL POINT
2. ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL EXISTING PAVEMENT WIDTH. A UNIFORM WIDTH BASE WIDENING STRIP MAY BE CONSTRUCTED AT NO ADDITIONAL COMPENSATION.
3. SEE MANATEE COUNTY HIGHWAY AND TRAFFIC STANDARDS DETAIL 403.3 FOR ROAD CONNECTION DETAILS.
4. SEE ROADWAY CROSS SECTIONS FOR TURN LANE CROSS SLOPE TRANSITIONS.

NUMBER	DESCRIPTION	DATE	PROJECT #	SURVEYED	RPH	5/2018
			6083160			
			N/A	DESIGNED	AJS	9/2021
			28/335/18E	DRAWN	AJS	9/2021
			N.T.S.	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDEÑO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
TYPICAL SECTIONS**

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


M:\620160100_Manatee_County_Transportation_Services\W\1 - 60th Ave\Segment 3\drainage\SUMDR0301.dwg [1/10/2023 5:32 PM]

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN AND CROSSDRAIN				CURB INLETS			MANHOLE	DITCH BOTTOM INLET	MES		REMARKS
						ROUND		OTHER		P-5	P-6	P-9	P-7	C	ROUND	OTHER	
						15"	18"	15"	24"	<10'	<10'	<10'	<10'	MOD	18"	24"	
P	S-300	310+77.86	RT	INLET, PIPE	1			16			1						
F																	
P	S-300A	197+86.00	RT	INLET, PIPE	1	156											
F																	
P	S-300B	199+45.00	RT	MANHOLE, PIPE	1			32				1					
F																	
P	S-301	503+83.00	RT	INLET, PIPE	1		46			1							
F																	
P	S-302	505+20.62	RT	INLET, PIPE	1	9					1						
F																	
P	S-303	503+83.00	LT	INLET, PIPE	1			19	1								
F																	
P	S-304	500+70.53	RT	PIPE, INLET, PIPE	1	4		4		1							BID OPTION ONLY
F																	
P	S-305	506+43.74	LT	INLET, PIPE	1		36						1				CONTROL STRUCTURE
F																	
P	S-306	506+90.11	LT	MES	1									1			
F																	
P	S-307	502+31.27	LT	PIPE, INLET, PIPE	1	8	147			1							
F																	
P	S-308	503+83.00	LT	MES	1											1	
F																	
P																	
F																	
P																	
F																	
P																	
F																	
SUMMARY				PLAN QUANTITY	P	177	229	52	19	4	2	1	1	1	1	1	
				FINAL QUANTITY	F												

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	TK	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	CR	12/2021
SCALE	1" = 20'H/10'V	CHECKED	XX	XX

CURTIS SPRUNGER, P.E.
P.E. LICENSE NUMBER 66524
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



Manatee County
FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
SUMMARY OF DRAINAGE STRUCTURES**

SHEET NO.
07

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

GENERAL NOTES

1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE COUNTY PROJECT MANAGER IS:
JIM SHULER, P.E.
AND CAN BE REACHED AT:
(941) 708-7450 EXT. 7306
JIM.SHULER@MYMANATEE.ORG
2. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS.
3. VERTICAL CONTROL FOR THIS PROJECT IS PROVIDED USING "THE NORTH AMERICAN VERTICAL DATUM OF 1988", (NAVD '88).
4. MEET ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
5. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
6. REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
7. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. COORDINATE WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY.
8. SEPARATE PAYMENT SHALL BE MADE ONLY FOR THE ITEMS OF WORK LISTED AND IDENTIFIED BY APPROPRIATE PAY ITEM ON THE BID FORM. THE COST OF ANY RELATED WORK NOT SPECIFICALLY IDENTIFIED, BUT WHICH IS REQUIRED FOR SATISFACTORY COMPLETION OF THE WORK, SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT PRICE FOR THE APPROPRIATE BID ITEM.
9. A SUPERINTENDENT, OR RESPONSIBLE PARTY, MUST BE ON SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. ALL WORKERS ON THE JOB SITE WILL BE COURTEOUS TO THE PUBLIC AT ALL TIMES AND REFER ANY QUESTIONS OR CONCERNS TO THE CONTRACTOR'S SUPERINTENDENT OR THE COUNTY INSPECTOR. THE SUPERINTENDENT MUST SPEAK AND UNDERSTAND ENGLISH AND BE AVAILABLE AT ALL TIMES FOR TIMELY RESOLUTION OF PROJECT-RELATED ISSUES.
10. COORDINATE CONSTRUCTION SCHEDULING BETWEEN THE CONTRACTOR AND ALL UTILITY AGENCIES. NOTE THAT THIS INCLUDES MEETING WITH UTILITY AGENCIES PRIOR TO THE PRE-CONSTRUCTION CONFERENCE TO ADJUST THEIR SCHEDULES TO COINCIDE WITH THE CONTRACTOR'S CONSTRUCTION SCHEDULE.
11. REPAIR ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT TO THE SATISFACTION OF THE COUNTY PROJECT MANAGER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
12. ALL CONSTRUCTION WITHIN MANATEE COUNTY RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH CURRENT FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND FDOT STANDARD PLANS.
13. ALL SIGNING, STRIPING AND RPM PLACEMENT WITHIN THE COUNTY RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND THE DESIGN STANDARDS.
14. MONUMENTATION - HORIZONTAL CONTROL, BENCHMARKS, ETC. SET BY THE CONSULTANT, SHALL HAVE THEIR COMPANY IDENTIFICATION ON THE TAG, DISK OR CAP. AT THE COMPLETION OF THE PROJECT, SURVEY CONTROL, BENCHMARKS, PROPERTY CORNERS, ETC. LOST DUE TO CONSTRUCTION SHALL BE RESET.
15. PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAILBOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. REPAIR AND/OR REPLACE ANY DAMAGED ITEMS DUE TO CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.

16. ALL VALVES, ARVS, MANHOLES, BLOW-OFF ASSEMBLIES, METER ASSEMBLIES, AND FIRE HYDRANTS MUST REMAIN ACCESSIBLE DURING AND AFTER CONSTRUCTION ACTIVITIES AND BE ADJUSTED TO FINAL GRADE.
17. ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF CLEARING AND GRUBBING IS TO BE REMOVED AND PAID FOR UNDER PAY ITEM 110-4-10 REMOVAL OF EXISTING CONCRETE.
18. INLET PROTECTION DEVICES FOR PROPOSED STRUCTURES CALLED OUT FOR CLARITY ONLY. THE COST FOR THESE INLET PROTECTION DEVICES ARE INCLUDED IN THE COST OF THE NEW INLET.
19. REFER TO MANATEE COUNTY STANDARD DETAIL 201.3 FOR TYPE "AB" MODIFIED CURB & GUTTER.
20. REFER TO MANATEE COUNTY STANDARD ROAD CONNECTION DETAIL 403.3 FOR MILLING AND RESURFACING REQUIREMENTS.

SAFETY

21. MAINTAIN AND ENSURE COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90-96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CFR 1926.650, SUBPART P, AS AMENDED. INCLUDE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS IN THE TOTAL BID PRICE.
22. UTILIZE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.
23. TAKE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
24. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

RIGHT-OF-WAY

25. ALL CONSTRUCTION ACTIVITIES WILL BE PERFORMED WITHIN THE MANATEE COUNTY/FDOT RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS.
26. EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
27. OBTAIN A RIGHT-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC. OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. MAINTAIN AND PROTECT TRAFFIC IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD). SUPPLY A TRAFFIC CONTROL PLAN AT THE PRE-CONSTRUCTION MEETING.
28. ALL STORMWATER STRUCTURES, PIPES AND HEADWALLS ARE TO REMAIN UNLESS OTHERWISE NOTED.
29. ESTABLISH IN THE FIELD THE RIGHT-OF-WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.
30. COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED TO THEIR ORIGINAL CONDITIONS.
31. COORDINATE WITH THE AFFECTED UTILITY COMPANY FOR THE ADJUSTMENT OF ANY EXISTING UTILITIES AND STRUCTURES IN ORDER TO MATCH THE PROPOSED ELEVATIONS AND ALIGNMENTS.
32. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM THE PROPERTY OWNER BEFORE ANY DRIVEWAY CONSTRUCTION WORK IS DONE OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENT.
33. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

RUSSELL HYATT, P.S.M.
HYATT SURVEY SERVICES, INC.
2012 LENA RD.
BRADENTON, FL 34211

35. THE FOLLOWING NGS VERTICAL CONTROL MONUMENTS WERE RECOVERED AND UTILIZED FOR THE ELEVATIONS INDICATED HEREIN:

"HENDRY" NAVD 1988 ELEVATION 19.65'
"HILLSBOROUGH" NAVD 1988 ELEVATION 28.68'
36. PROJECT SURVEY IS REFERENCED TO A GRID PROJECTION OF THE FLORIDA STATE PLANE COORDINATE SYSTEM (WEST ZONE, NAD 1983/2011 ADJUSTMENT)

PROJECT SITE CONTROL


DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM #2	1168254.763	492506.409	28.68	CMON-HILLSBOROUGH
BM #3	1162562.729	492468.851	7.60	CMON-U565
BM #4	1165672.251	493079.822	19.65	CMON-HENDRY
BM #200	1163144.575	493068.329	12.34	SIRC-LB 7203
BM #201	1163768.713	493051.430	11.64	SIRC-LB 7203
BM #202	1164186.301	493091.210	12.46	SIRC-LB 7203
BM #203	1164686.084	493052.640	14.98	SIRC-LB 7203
BM #204	1165485.924	493056.241	20.58	SIRC-LB 7203
BM #205	1165897.415	493009.293	21.42	SIRC-LB 7203
BM #206	1166456.361	493045.529	24.16	SIRC-LB 7203
BM #207	1166861.227	492760.676	23.57	NLDS-LB 7203
BM #208	1167345.121	492501.046	25.90	SIRC-LB 7203
BM #209	1167634.664	492413.605	27.37	SIRC-LB 7203
BM #210	1168280.774	492458.272	29.06	SIRC-LB 7203
BM #2372	1164046.948	493123.159	12.44	DISK-26205 A
BM #2489	1164082.663	493078.319	12.54	DISK-26205 B

UTILITY CONTACTS

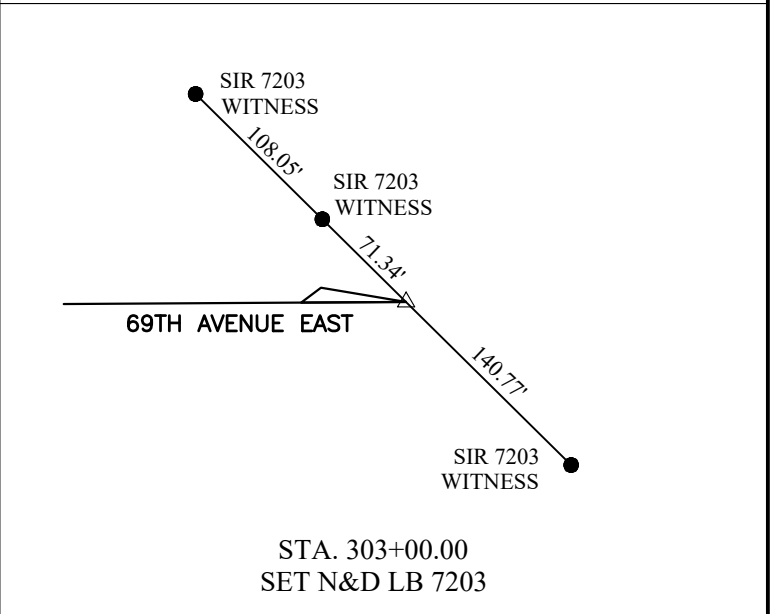
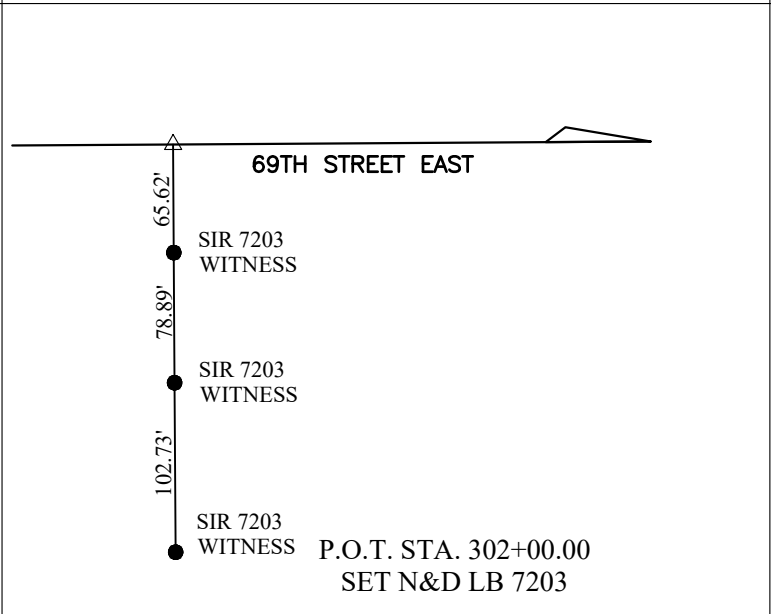
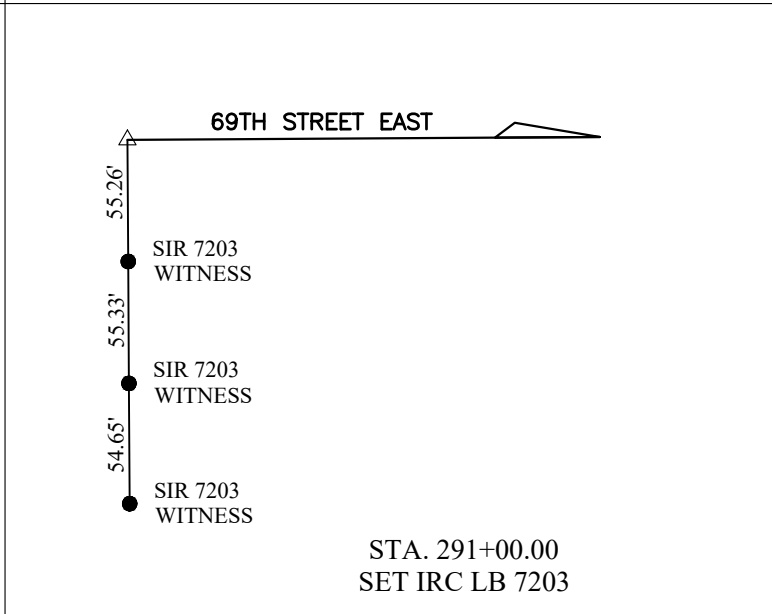
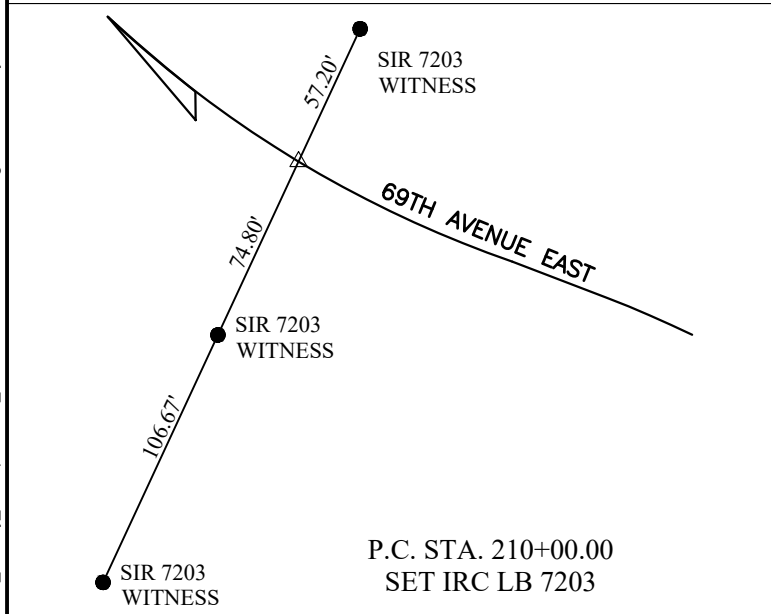
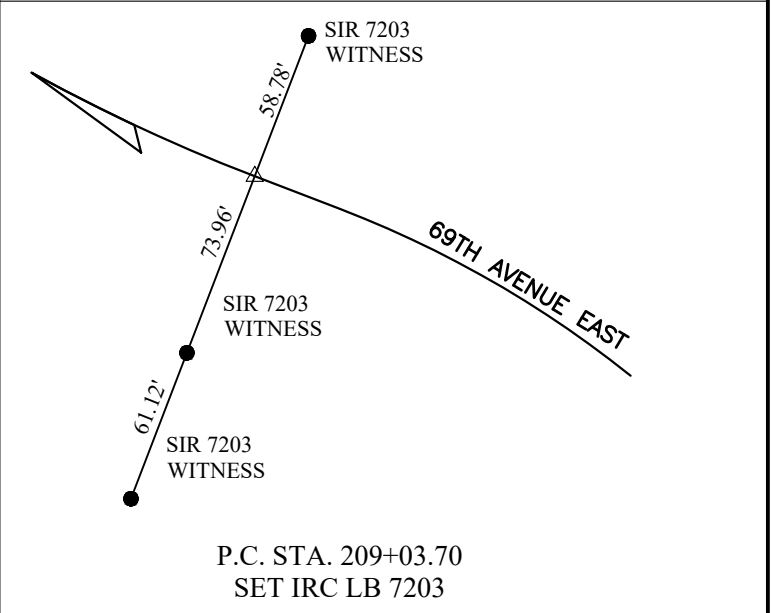
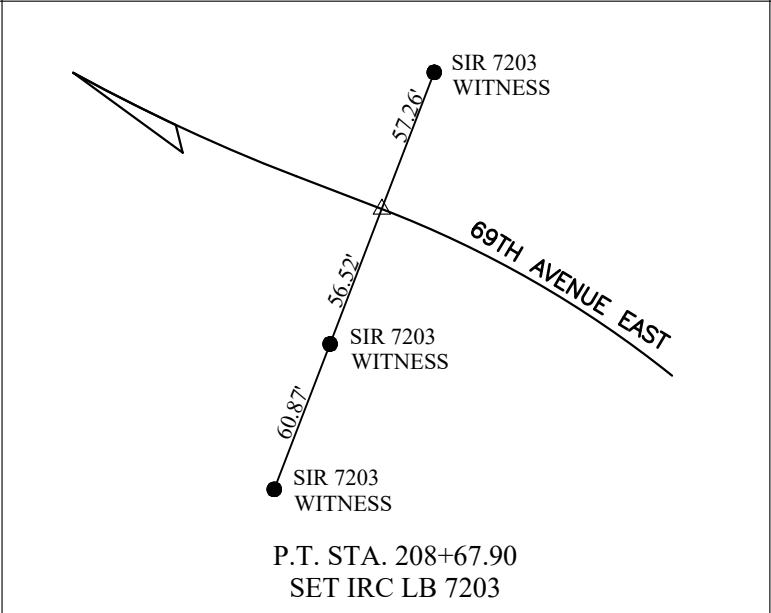
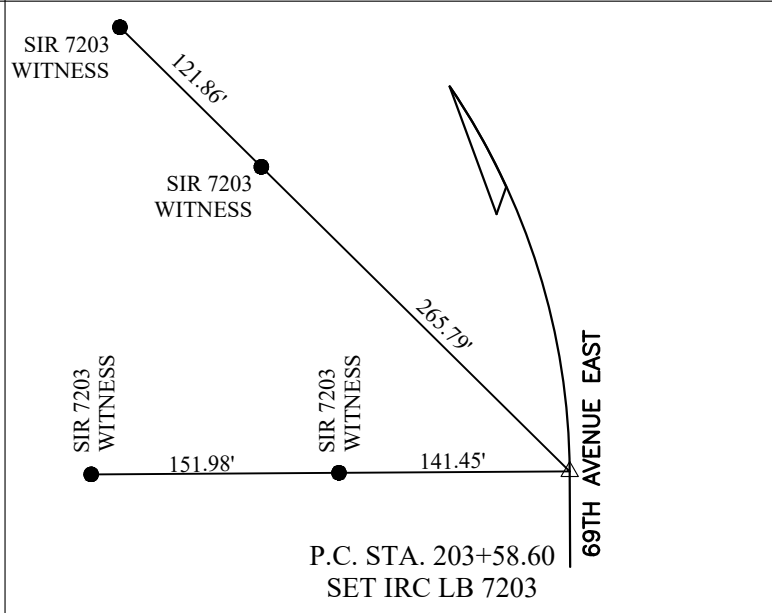
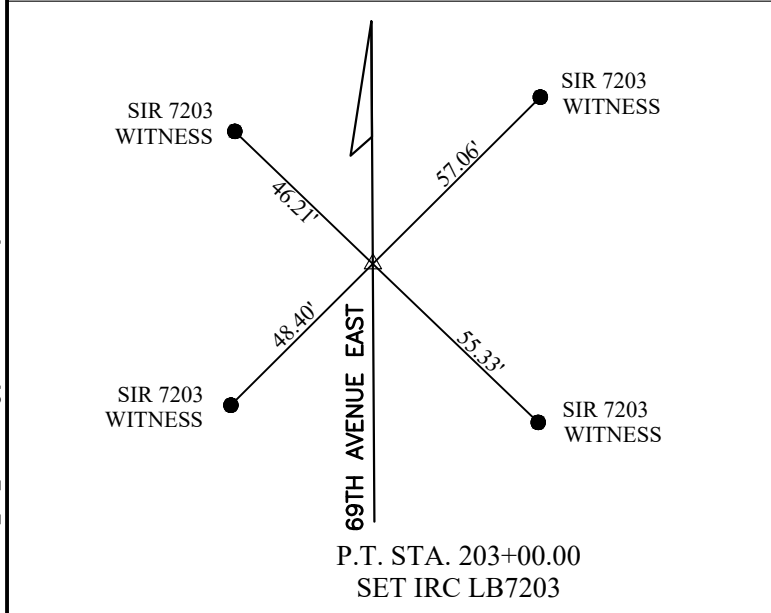
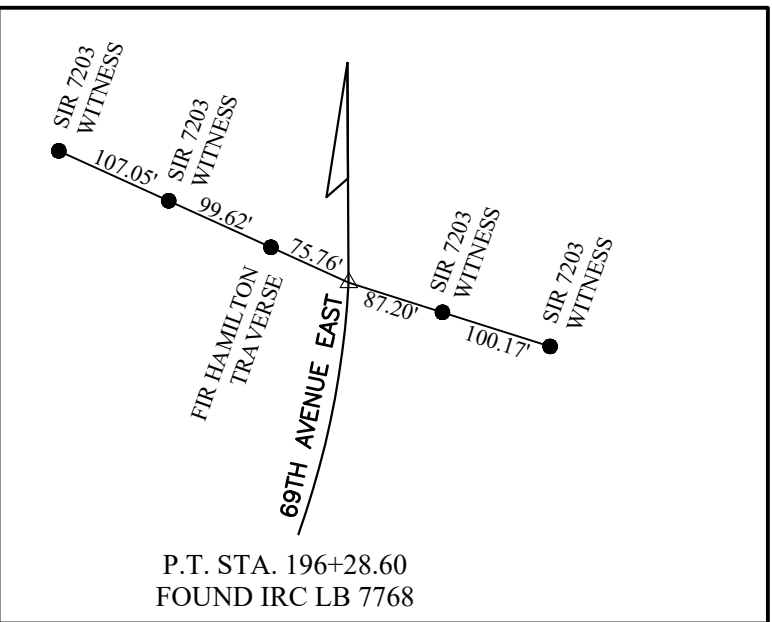
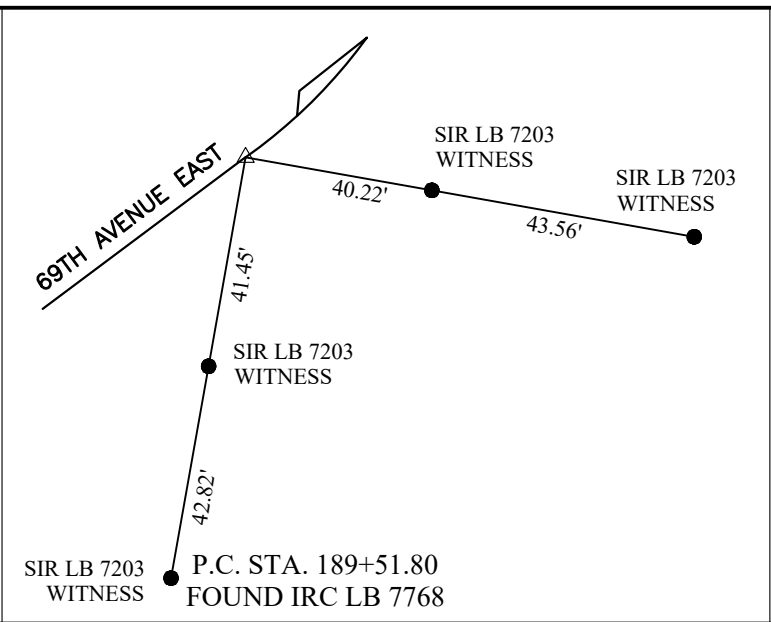
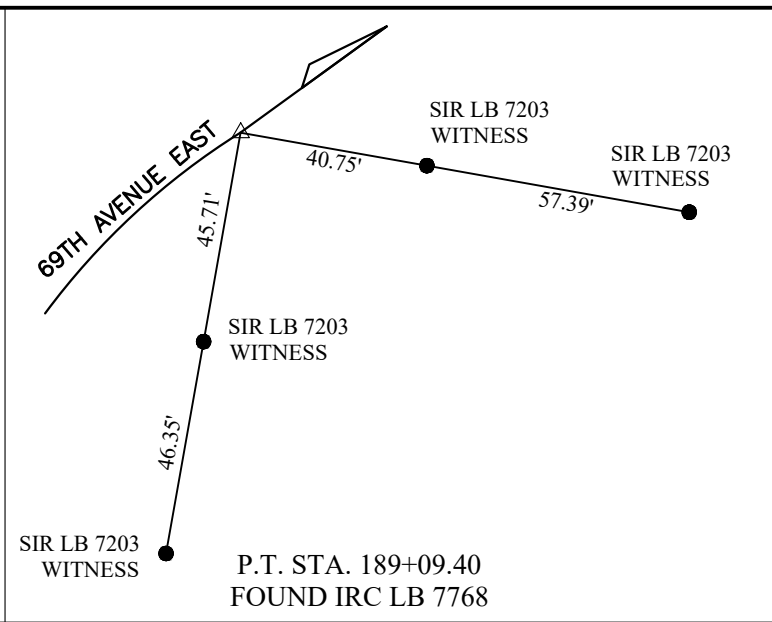
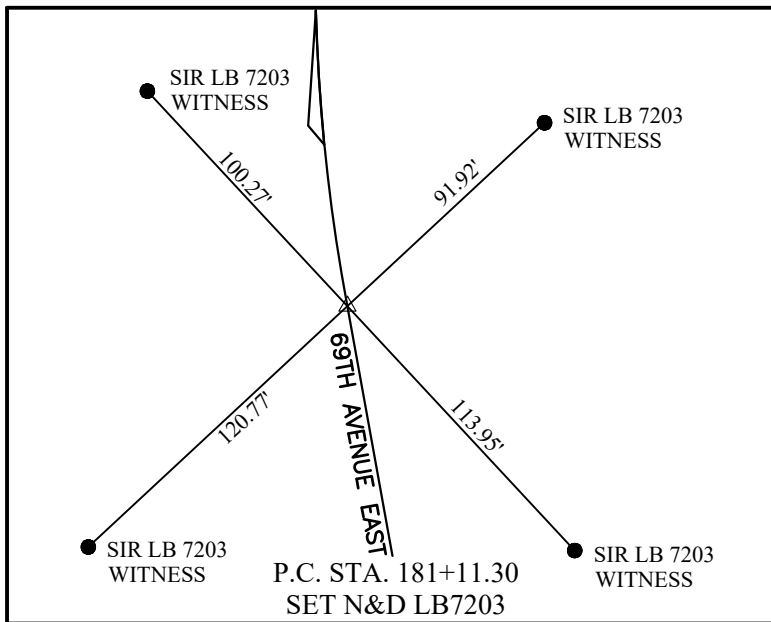
MANATEE COUNTY PUBLIC WORKS DEPT. UTILITY OPERATIONS SCOTT MAY 1022 26TH AVE E BRADENTON, FL 34208 (941) 708-7450 EXT. 7650 scott.may@mymanatee.org	TECO/PEOPLES GAS CO. ALEX MACFARLANE 8261 VICO CT SARASOTA, FL 34240 (813) 275-3762 EMERGENCY: (813) 557-6134 AMcFarlane@tecoenergy.com CC: SWinsor@tecoenergy.com
MANATEE COUNTY PUBLIC WORKS DEPT. TRANSPORTATION DIVISION KATHY MCMAHON 4520 66TH ST W BRADENTON, FL 34210 (941) 792-8811 EXT. 5002 kathy.mcmahon@mymanatee.org CC: scott.may@mymanatee.org	PEACE RIVER ELECTRIC CO-OP DAVID MCCLINTOCK 210 METHANY RD WAUCHULA, FL 33873 (863) 767-4621 (863) 781-0364 david.mcclintock@preco.coop
SUNSHINE STATE ONE CALL OF FLORIDA 1-(800) 432-4770	MCI/VERIZON BUSINESS ANDY COLE 7701 EAST TELECOM PKWY TEMPLE TERRACE, FL 33637 (813) 847-4037 Andrew.Cole2@verizon.com CC: James.Barra1@VerizonWireless.com
FLORIDA POWER & LIGHT DISTRIBUTION GREG COKER 1253 12TH AVE E PALMETTO, FL 34221 (941) 723-4430 (941) 704-9087 EMERGENCY: 1-800-4-OUTAGE greg.coker@fpl.com	SPECTRUM SUNSHINE STATE LLC JAMES FLEMING 5413 EAST STATE ROAD 64 BRADENTON, FL 34208 (941) 213-0877 James.Fleming1@charter.com
FLORIDA POWER & LIGHT TRANSMISSION CRAIG LEDBETTER 15430 ENDEAVOR DR JUPITER, FL 33478 (561) 803-7942 craig.ledbetter@fpl.com	FRONTIER FLORIDA LLC DENISE HUTTON 1701 RINGLING BLVD SARASOTA, FL 34236 (941) 906-6722 (941) 504-9652 denise.hutton@ftr.com

M:\6201601.00_Mana tee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\GNTRD301.dwg [1/10/2023 5:33 PM]

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

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	RPH	5/2018	DEBORAH HERNANDEZ-CEDEÑO, P.E. P.E. LICENSE NUMBER 74754 KISINGER CAMPO & ASSOCIATES CORP. 201 N. FRANKLIN STREET SUITE 400 TAMPA, FL 33602	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	69TH STREET EAST INTERSECTION IMPROVEMENTS GENERAL NOTES		SHEET NO.		
			SURVEY #	N/A	DESIGNED	AJS	9/2021							
			SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021							
			SCALE	N.T.S.	CHECKED	DHC	9/2021							

M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\survey\16-2238 Reference_Bot_Border.dwg [1/10/2023 5:33 PM]



NUMBER	DESCRIPTION	DATE

PROJECT #	SURVEYED	RPH	DATE
6083160			5/2018
SURVEY #	DESIGNED	AJS	DATE
N/A			9/2021
SEC./TWN./RGE	DRAWN	AJS	DATE
28/33S/18E			9/2021
SCALE	CHECKED	DHC	DATE
1" = 50'			9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602

Manatee County
FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
PROJECT NETWORK CONTROL**

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

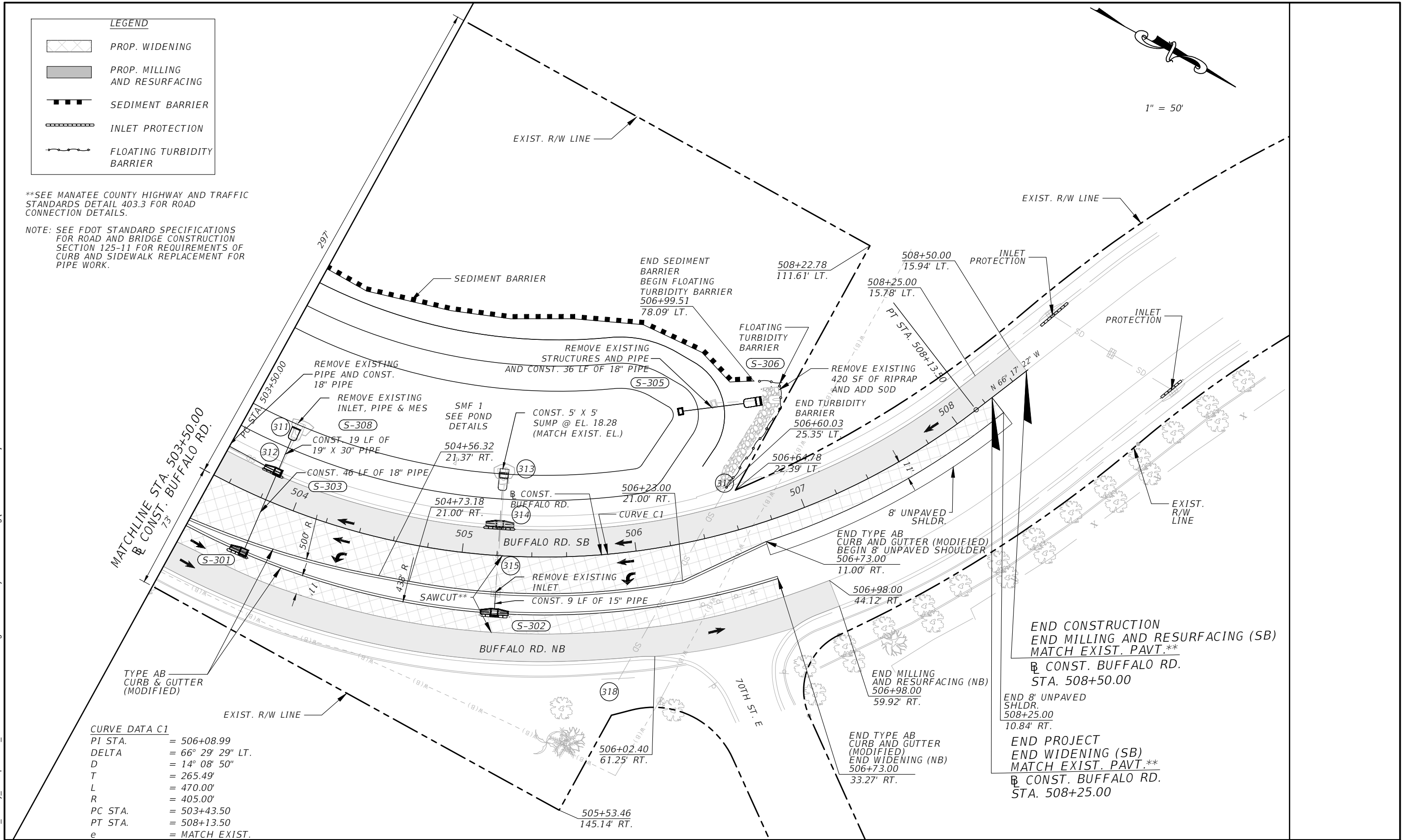
LEGEND	
	PROP. WIDENING
	PROP. MILLING AND RESURFACING
	SEDIMENT BARRIER
	INLET PROTECTION
	FLOATING TURBIDITY BARRIER

**SEE MANATEE COUNTY HIGHWAY AND TRAFFIC STANDARDS DETAIL 403.3 FOR ROAD CONNECTION DETAILS.

NOTE: SEE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 125-11 FOR REQUIREMENTS OF CURB AND SIDEWALK REPLACEMENT FOR PIPE WORK.

1" = 50'

M:\6201601.00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\PLANRD301.dwg [1/10/2023 5:35 PM]



CURVE DATA C1

PI STA.	= 506+08.99
DELTA	= 66° 29' 29" LT.
D	= 14° 08' 50"
T	= 265.49'
L	= 470.00'
R	= 405.00'
PC STA.	= 503+43.50
PT STA.	= 508+13.50
e	= MATCH EXIST.

NUMBER	DESCRIPTION	DATE	PROJECT #	SURVEYED	RPH	DATE
			6083160			5/2018
			N/A	DESIGNED	AJS	9/2021
			28/335/18E	DRAWN	AJS	9/2021
				CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDEÑO, P.E.
 P.E. LICENSE NUMBER 74754
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN STREET
 SUITE 400
 TAMPA, FL 33602

Manatee County
 PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

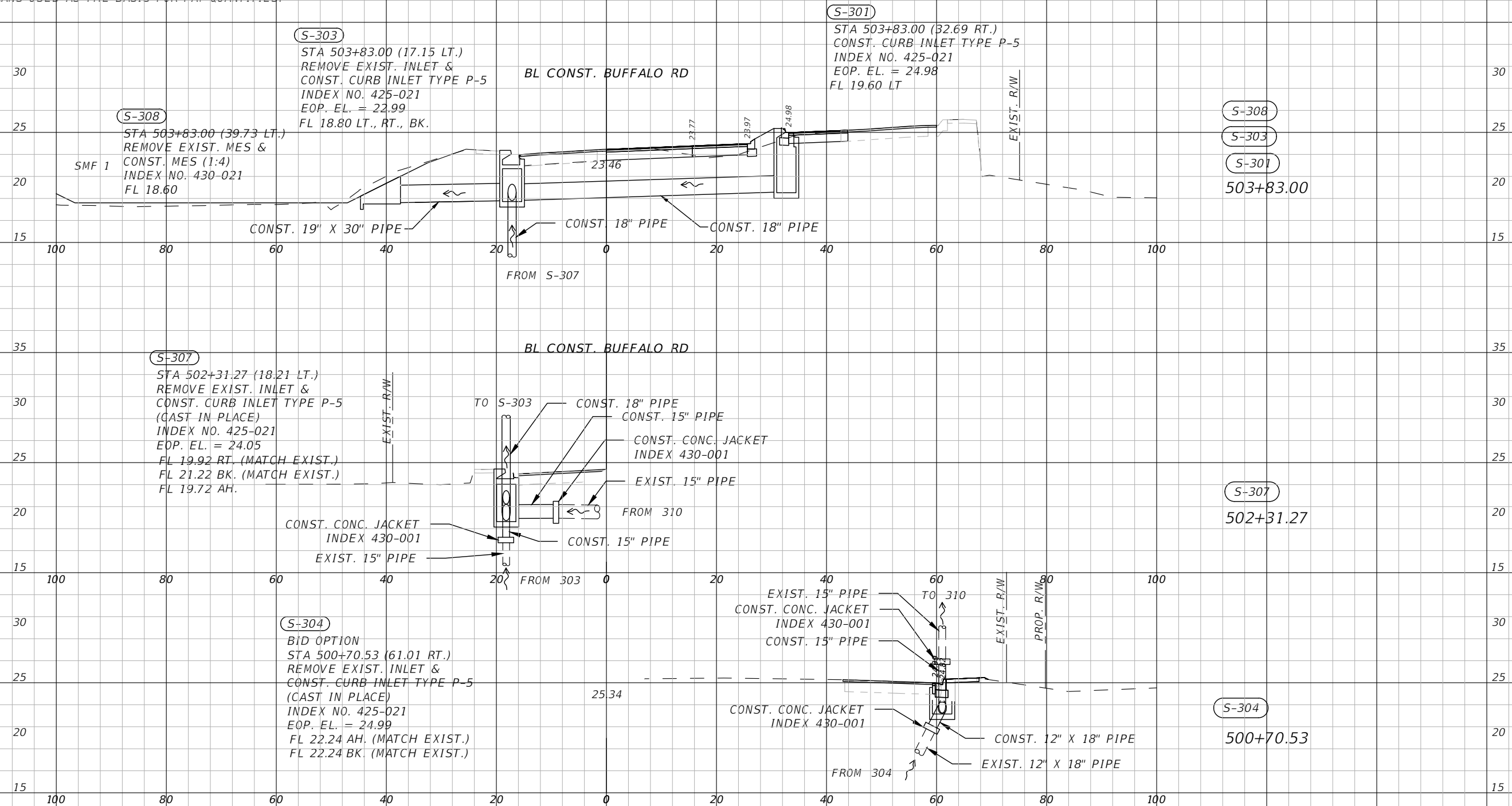
**69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 ROADWAY PLANS**

SHEET NO.
12

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

NOTES:

- SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
- ALL DRAINAGE PIPES HAVE OPTIONAL MATERIALS. THE OPTIONAL MATERIALS TABULATION SHEET(S) SHOWS ALL THE MATERIALS ALLOWED AND INDICATES WHICH MATERIAL IS PLOTTED IN THE PLANS USED AS THE BASIS FOR PAY QUANTITIES.



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

M:\6201601.00_Manatee_County_Transportation_Services\WD 1 - 60th Ave\Segment 3\drainage\DRXSRD300.dwg [1/10/2023 5:36 PM]

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

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	HYATT	5/2021
SURVEY #	18-2238	DESIGNED	TK	1/10/23
SEC./TWN./RGE	4-34S-18E	DRAWN	TK	1/10/23
SCALE	1"=20'H/1"=10'V	CHECKED	TS	1/10/23

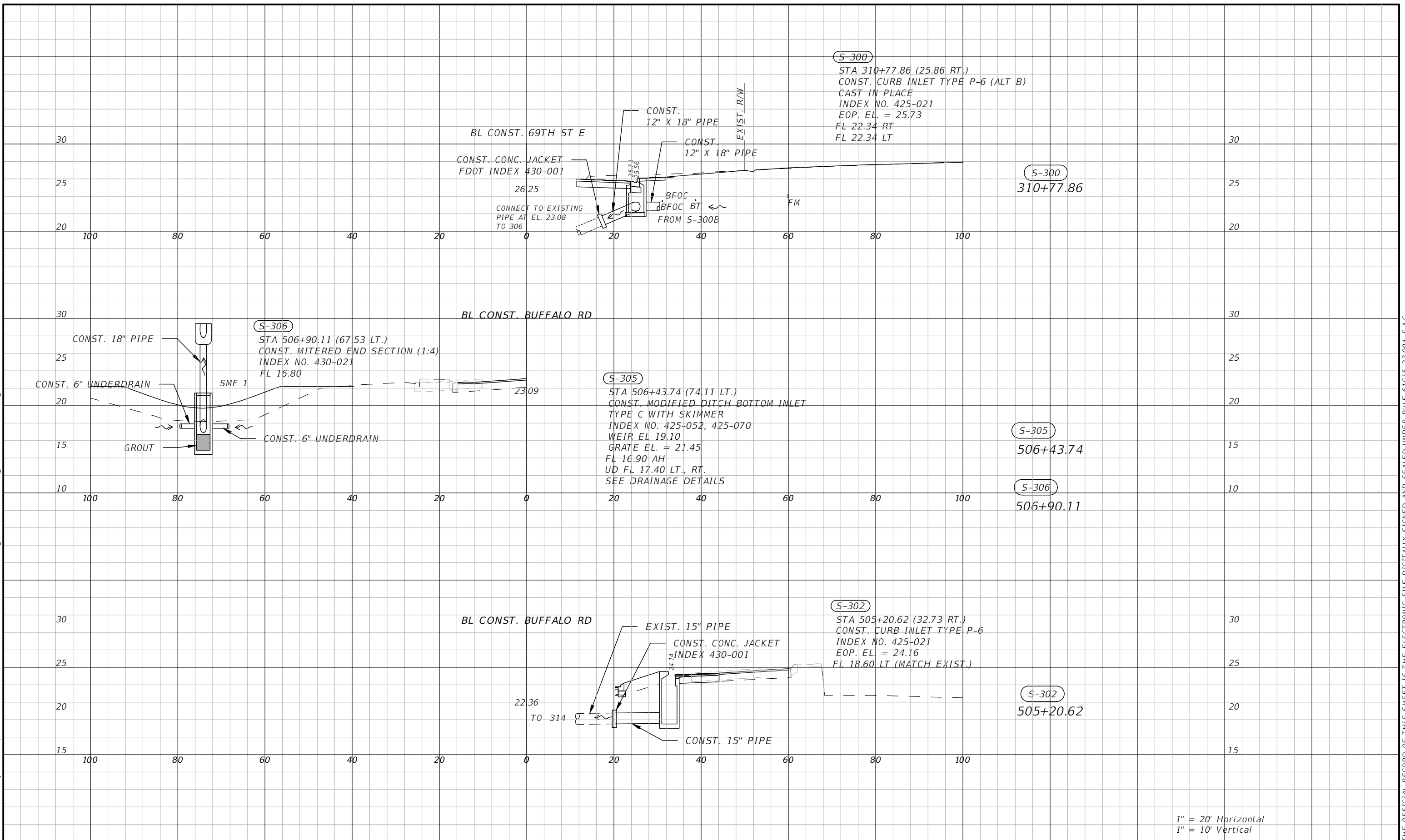
CURTIS SPRUNGER, P.E.
P.E. LICENSE NUMBER 66524
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
INTERSECTION IMPROVEMENTS
DRAINAGE STRUCTURES (1)


M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\drainage\DRXSRD300.dwg [1/10/2023 5:36 PM]



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

NUMBER	DESCRIPTION	DATE	PROJECT #	SURVEYED	HYATT	5/2021
			6083160			
			18-2238	DESIGNED	TK	1/10/23
			4-345-18E	DRAWN	TK	1/10/23
			SCALE	1"=20'H/1"=10'V	CHECKED	TS 1/10/23

CURTIS SPRUNGER, P.E.
 P.E. LICENSE NUMBER 66524
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN STREET
 SUITE 400
 TAMPA, FL 33602

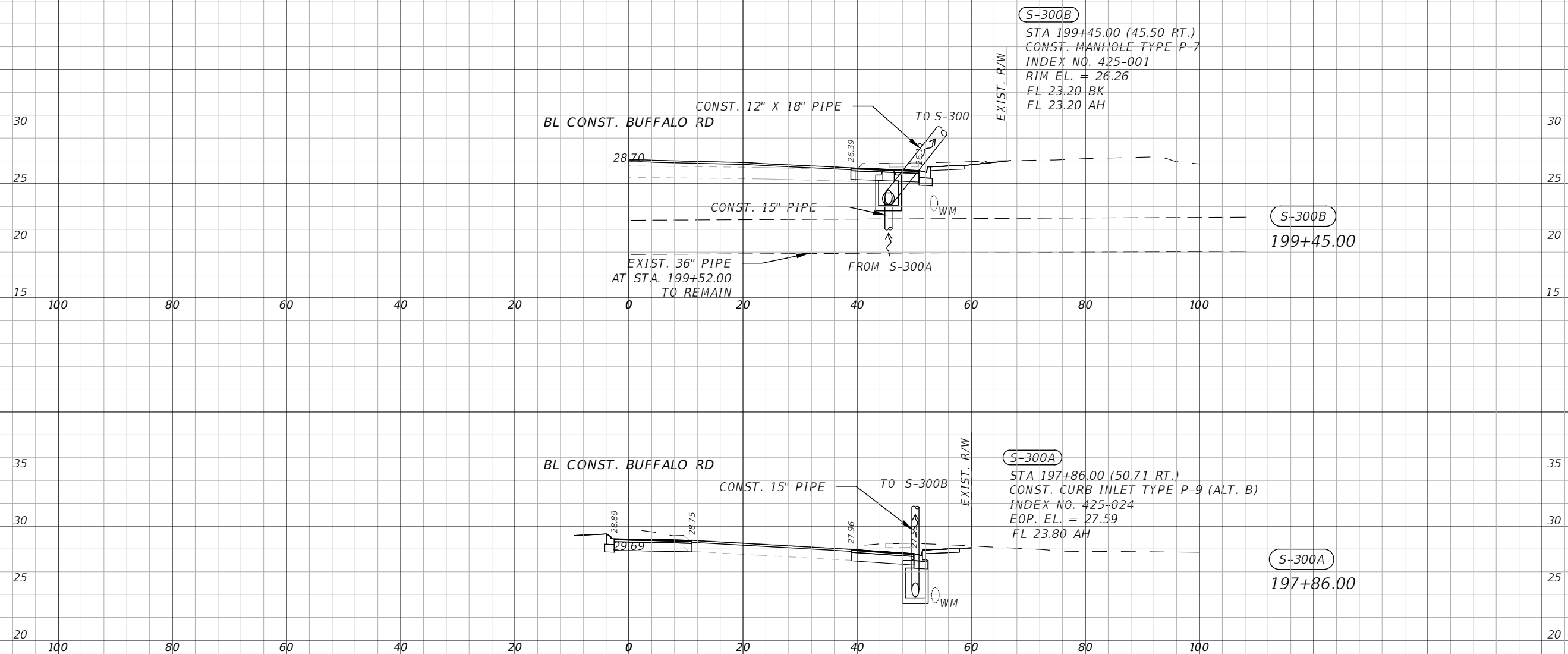


Manatee County
 PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 DRAINAGE STRUCTURES (2)

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

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave\Segment 3\drainage\DRXSRD300.dwg [1/10/2023 5:36 PM]



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

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	HYATT	DATE	5/2021
SURVEY #	18-2238	DESIGNED	TK	DATE	1/10/23
SEC./TWN./RGE	4-34S-18E	DRAWN	TK	DATE	1/10/23
SCALE	1"=20'H/1"=10'V	CHECKED	TS	DATE	1/10/23

CURTIS SPRUNGER, P.E.
 P.E. LICENSE NUMBER 66524
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN STREET
 SUITE 400
 TAMPA, FL 33602



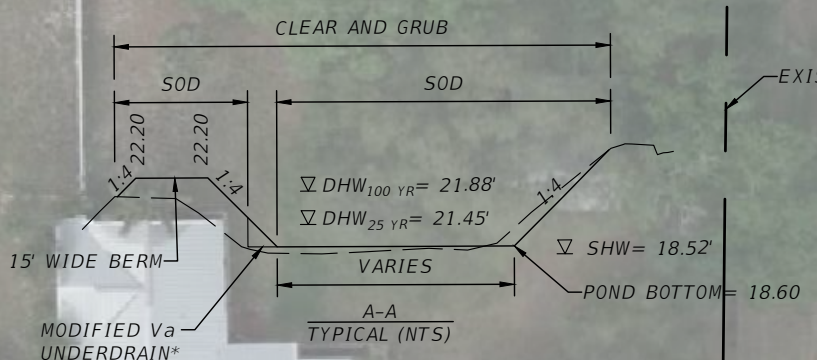
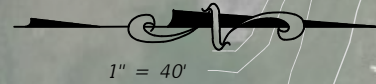
PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 DRAINAGE STRUCTURES (3)

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

UNDERDRAIN INFORMATION TABLE

UNDERDRAIN RUN	UPSTREAM					DOWNSTREAM			OUTFALL PIPE LENGTH (6" PERFORATED PVC)
	STATION	OFFSET	ID	TOP EL	FL	ID	TOP EL	FL	
1	502+78.76	75.17 LT	CO 1	18.30	17.80	CO 2	18.07	17.57	179
2	504+75.19	100.46 LT	CO 2	18.07	17.57	CONTROL	17.90	17.40	137
3	505+31.07	42.58 LT	CO 3	18.30	17.80	CONTROL	17.90	17.40	112



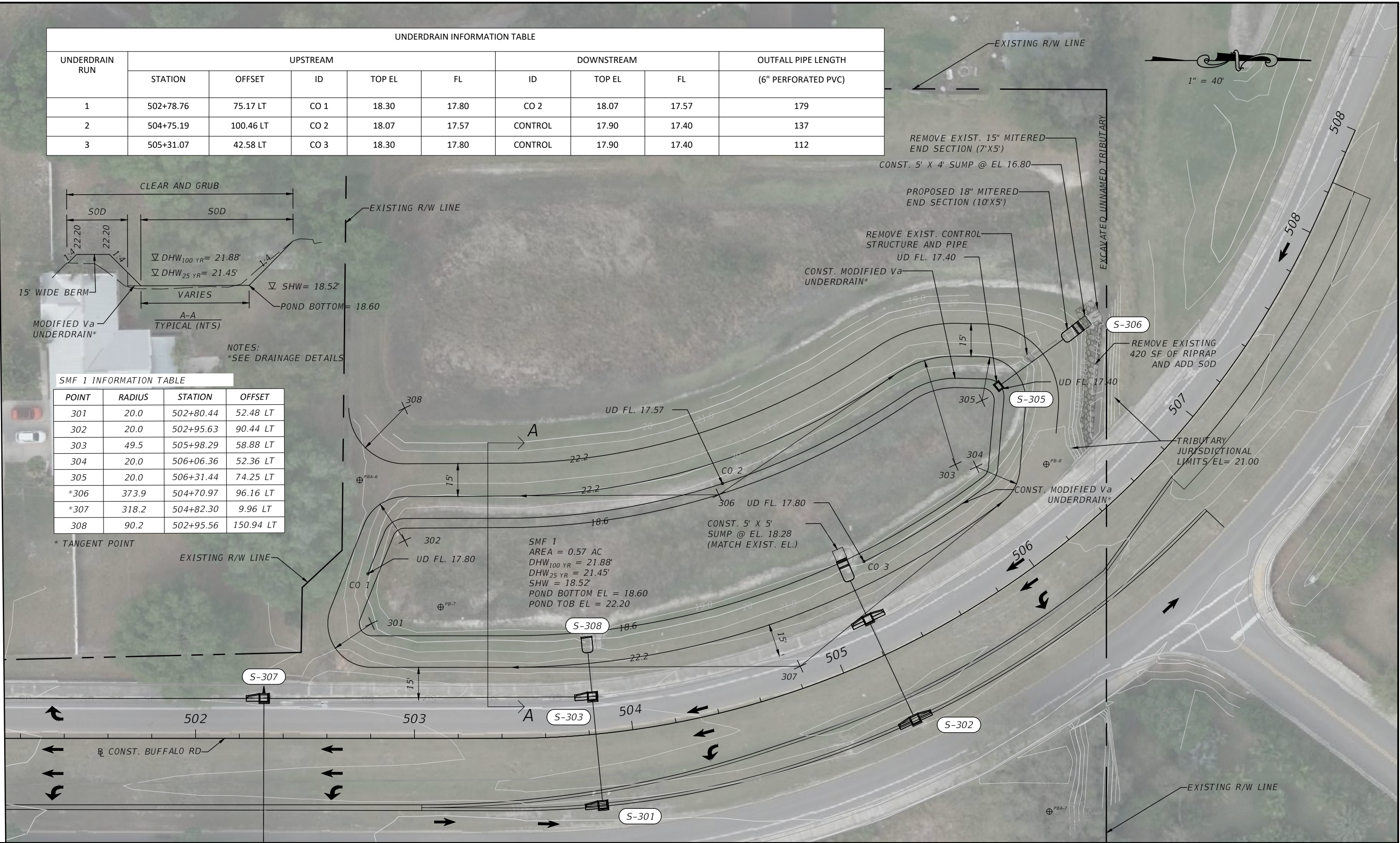
NOTES:
*SEE DRAINAGE DETAILS

SMF 1 INFORMATION TABLE

POINT	RADIUS	STATION	OFFSET
301	20.0	502+80.44	52.48 LT
302	20.0	502+95.63	90.44 LT
303	49.5	505+98.29	58.88 LT
304	20.0	506+06.36	52.36 LT
305	20.0	506+31.44	74.25 LT
*306	373.9	504+70.97	96.16 LT
*307	318.2	504+82.30	9.96 LT
308	90.2	502+95.56	150.94 LT

* TANGENT POINT

SMF 1
AREA = 0.57 AC
DHW_{100 YR} = 21.88'
DHW_{25 YR} = 21.45'
SHW = 18.52'
POND BOTTOM EL = 18.60
POND TOB EL = 22.20



M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\drainage\PPDRD301.dwg [1/10/2023 5:37 PM]

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

NUMBER	DESCRIPTION	DATE

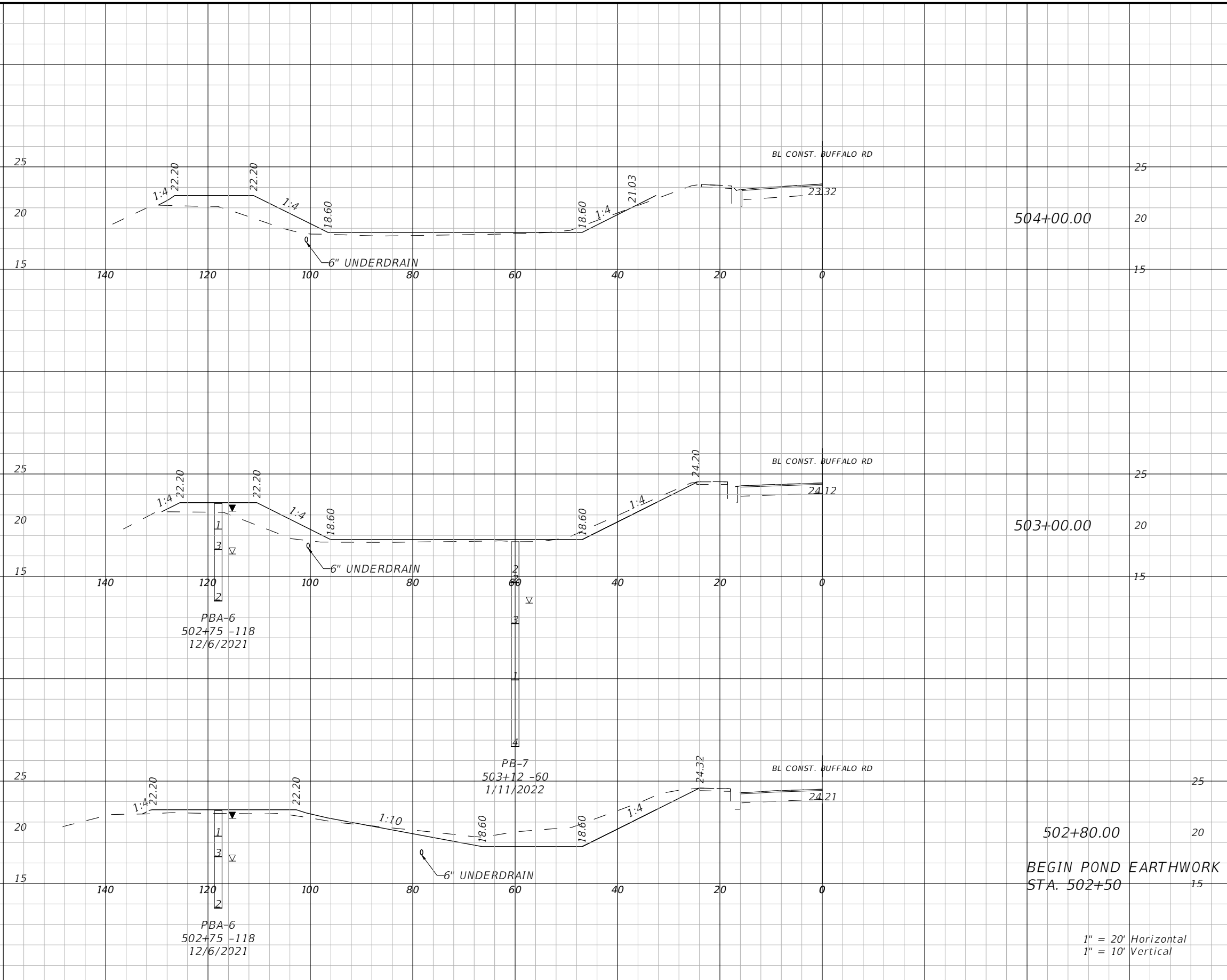
PROJECT #	6083160	SURVEYED	HYATT	5/2021
SURVEY #	N/A	DESIGNED	TK	1/4/23
SEC./TWN./RGE	28/33S/18E	DRAWN	TK	1/4/23
SCALE	1" = 40'	CHECKED	TS	1/4/23

CURTIS SPRUNGER, P.E.
P.E. LICENSE NUMBER 66524
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
POND DETAILS**

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\drainage\PD\SRD301.dwg [1/10/2023 5:38 PM]



Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
5	33	53	193
13	32	51	24
73	41	15	8
0	0	0	0

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

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	HYATT	5/2021
SURVEY #	18-2238	DESIGNED	TK	5/13/22
SEC./TWN./RGE	4-34S-18E	DRAWN	TK	5/13/22
SCALE	1"=20'H/1"=10'V	CHECKED	TF	5/13/22

CURTIS SPRUNGER, P.E.
P.E. LICENSE NUMBER 66524
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602

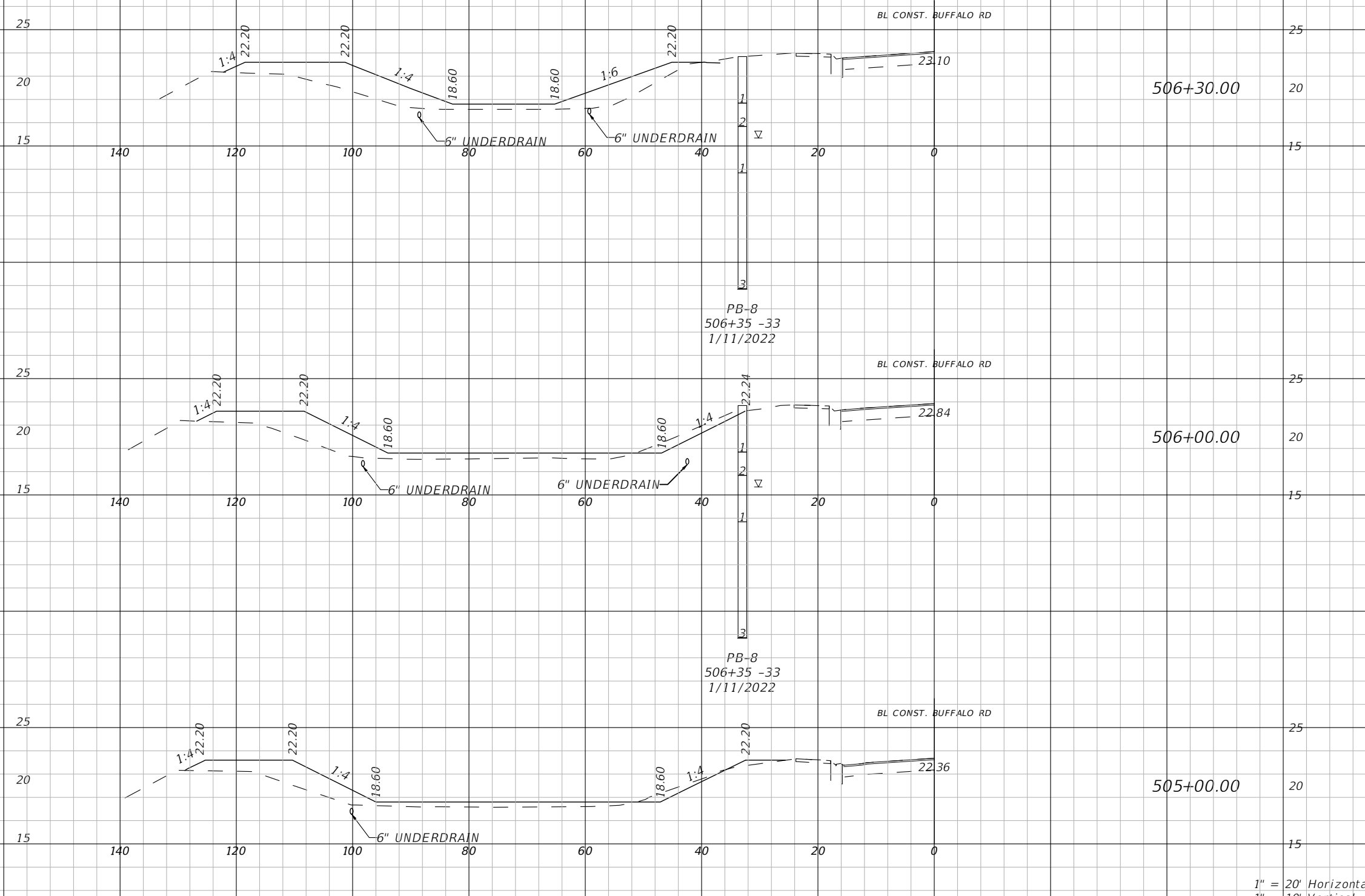


PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
INTERSECTION IMPROVEMENTS
POND CROSS SECTIONS (1)

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

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave\Segment 3\drainage\PD\SRD301.dwg [1/10/2023 5:38 PM]



END POND EARTHWORK
STA. 506+80

506+30.00

506+00.00

505+00.00


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

Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)
0	0	0	87
0	6	94	90
10	30	68	235
6	20	59	207

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	HYATT	5/2021
SURVEY #	18-2238	DESIGNED	TK	5/13/22
SEC./TWN./RGE	4-34S-18E	DRAWN	TK	5/13/22
SCALE	1"=20'H/1"=10'V	CHECKED	TF	5/13/22

CURTIS SPRUNGER, P.E.
P.E. LICENSE NUMBER 66524
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



Manatee County
FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
INTERSECTION IMPROVEMENTS
POND CROSS SECTIONS (2)

SHEET NO.
19

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

MANATEE COUNTY

PROJECT NAME: 69TH STREET EAST INTERSECTION IMPROVEMENTS

MANATEE COUNTY PROJECT NO. 6083160

DATE OF SURVEY: JANUARY 2022
 SURVEY MADE BY: TIERRA, INC.
 SUBMITTED BY: MARC E. NOVAK, P.E.

COUNTY: MANATEE

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : 197+17 SURVEY ENDS STA. : 508+25 REFERENCE: B/L SURVEY BUFFALO ROAD

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS					ATTERBERG LIMITS (%)			DESCRIPTION	CORROSION TEST RESULTS						
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT		PLASTIC INDEX	AASHTO GROUP	NO. OF TESTS	RESISTIVITY ohms cm	CHLORIDE ppm	SULFATES ppm	pH
1	1	3	1	26	32	---	---	---	--	1-14	---	---	---	A-3/A-2-4	LIGHT GRAY TO BROWN FINE SAND TO SILTY SAND	11	2900-28000	15-120	<4.8-45	4.6-8.2
2	3	2-4	10	12-23	26	---	---	--	--	15-34	7	NP	NP	A-2-4	LIGHT GRAY TO BROWN SILTY SAND	10	760-2400	15-45	<4.8-231	5.4-8.3
3	---	--	33	16-36	34	---	---	---	---	13-34	33	32-37	6-21	A-2-4/A-2-6	LIGHT GRAY TO GRAY SILTY SAND TO CLAYEY SAND	---	---	---	---	---
4	---	---	11	15-28	11	---	---	---	---	36-85	11	31-44	5-20	A-4/A-6/A-7-6	LIGHT GRAY SILT TO CLAY WITH SAND	1	8100	15	96	5.4
5	2	5-22	2	21-137	2	---	---	---	---	8-18	---	---	---	A-8	DARK GRAY ORGANIC SAND TO MUCK	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---	---	WLS	CALCAREOUS CLAY TO WEATHERED LIMESTONE	---	---	---	---	---
7	---	---	1	67	1	---	---	---	---	72	1	132	64	A-7-6	LIGHT GRAY CLAY	---	---	---	---	---

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

NOTES:

1. THE MATERIAL FROM STRATUM 1 (A-3/A-2-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.
2. THE MATERIAL FROM STRATUM 2 (A-2-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001. HOWEVER, THIS MATERIAL IS LIKELY TO RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION.
3. THE MATERIAL FROM STRATA 3 AND 4 (A-2-4/A-2-6/A-6/A-7-6/A-4) ARE PLASTIC MATERIALS AND SHALL BE REMOVED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-002 AND UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.
4. THE MATERIAL FROM STRATUM 7 (A-7-6) IS HIGH PLASTIC MATERIAL AND SHALL BE REMOVED IN ACCORDANCE WITH STANDARD PLANS INDEX 120-002 AND UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.

- ▽ - ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
- ▼ - GROUNDWATER TABLE ENCOUNTERED DURING INVESTIGATION
- GNE - GROUNDWATER NOT ENCOUNTERED.
- A - WITH LIMESTONE FRAGMENTS
- NP - NON PLASTIC

5. THE MATERIAL FROM STRATUM 5 (A-8) IS MUCK MATERIAL AND SHALL BE REMOVED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-002 AND UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.
6. THE MATERIAL FROM STRATUM NUMBER 6 IS A NATURAL LIMESTONE FORMATION. SPECIAL TOOLS AND EQUIPMENT WILL BE REQUIRED TO EXCAVATE AND/OR DEWATER THIS MATERIAL. WEATHERED LIMESTONE/CAPROCK WAS ENCOUNTERED WITHIN THE BORINGS. THIS MATERIAL IS ROCK AND IS LOCATED AT SHALLOW DEPTHS. EXCAVATIONS INTO AND/OR THROUGH LIMESTONE/CAPROCK WILL BE DIFFICULT AND WILL REQUIRE NON CONVENTIONAL CONSTRUCTION TECHNIQUES AND SPECIALIZED EQUIPMENT. LIMESTONE/CAPROCK IS POROUS AND WILL BE DIFFICULT TO DEWATER.

J:\65112021 Files\6511-21-054 60th Ave Extension\CAD\6511-21-054_SEG_3_RSS.dwg [1/19/2023 6:08 PM]

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

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	---	---
			SURVEY #	---	DESIGNED	SW	07/2022
			SEC./TWN./RGE	00/00/00	DRAWN	SW	07/2022
			SCALE	NOTED	CHECKED	MEN	07/2022



MARC E. NOVAK, P.E.
FLORIDA P.E. # 67431

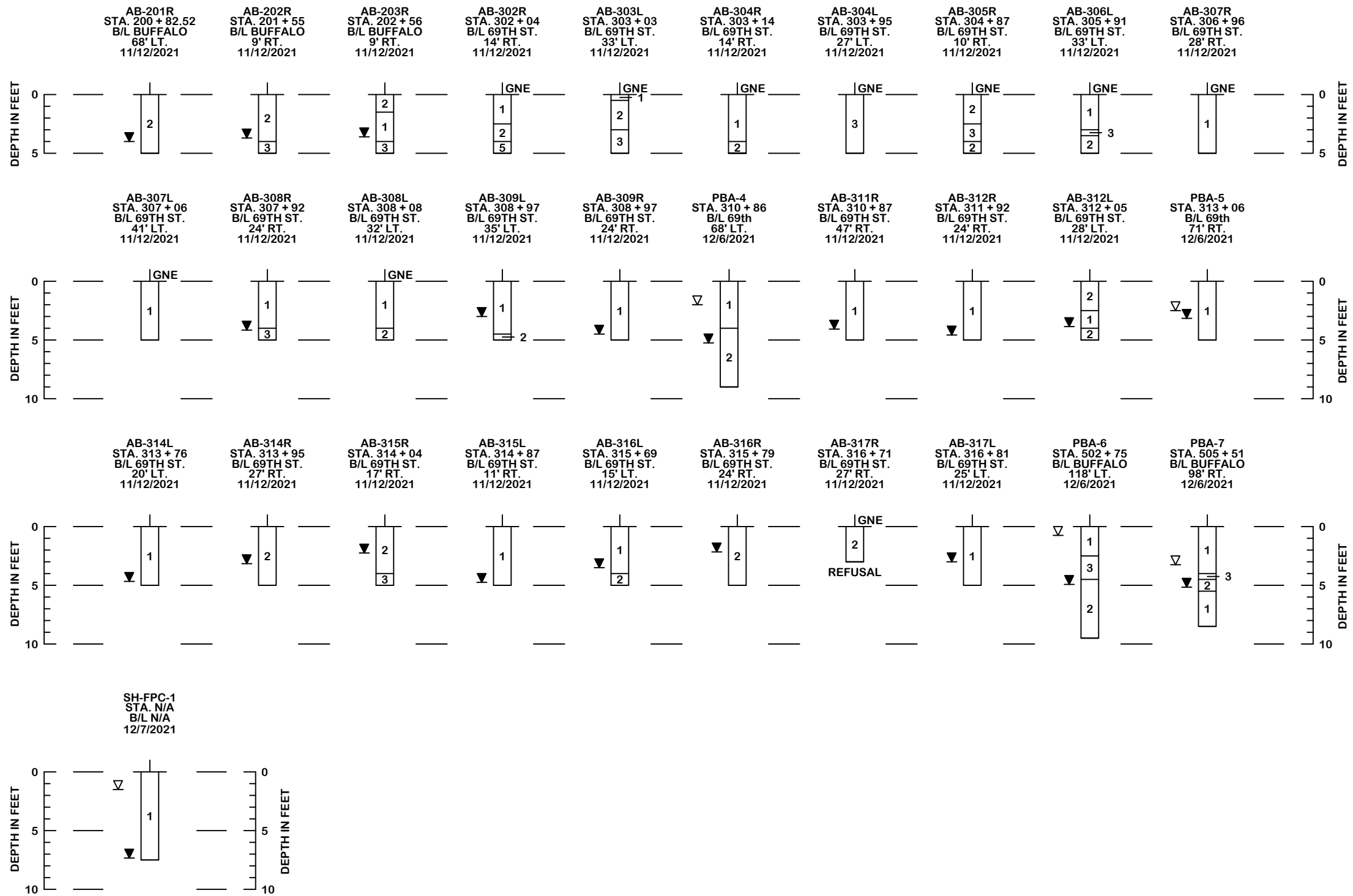


PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
INTERSECTION IMPROVEMENTS
ROADWAY SOIL SURVEY - SEG. 3

SHEET NO. 21

SOIL PROFILES



- 1 LIGHT GRAY TO BROWN FINE SAND (A-3/A-2-4)
 - 2 LIGHT GRAY TO BROWN SILTY SAND (A-2-4)
 - 3 LIGHT GRAY TO GRAY SILTY SAND TO CLAYEY SAND (A-2-4/A-2-6)
 - 4 LIGHT GRAY SILT TO SANDY CLAY (A-4/A-6/A-7-6)
 - 5 DARK GRAY ORGANIC SAND TO MUCK (A-8)
 - 6 CALCAREOUS CLAY TO WEATHERED LIMESTONE
 - 7 LIGHT GRAY CLAY (A-7-6)
- ▽ GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION
 ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
 ▽+ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE IS ABOVE GRADE
 N SPT N-VALUE IN BLOWS/FOOT FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED)
 A-3 AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW
 GNE GROUNDWATER TABLE NOT ENCOUNTERED
 REFUSAL BORING TERMINATED DUE TO AUGER REFUSAL ON ROCK MATERIAL
 B/L BUFFALO BASELINE CONSTRUCTION BUFFALO ROAD (60TH AVENUE E.)
 B/L 69TH ST. BASELINE 69TH STREET
 * BORING LOCATED BY SURVEYOR

NOTE: BORING LOCATIONS WERE DETERMINED USING GPS COORDINATES OBTAINED BY TIERRA, INC. IN THE FIELD BY A TIERRA REPRESENTATIVE USING A GPS DEVICE WITH A REPORTED ACCURACY OF APPROXIMATELY +/- 10 FEET UNLESS OTHERWISE NOTED BY AN ASTERISK (*).

AUTOMATIC HAMMER	
GRANULAR MATERIALS- RELATIVE DENSITY	SPT (BLOWS/FT.)
VERY LOOSE	LESS THAN 3
LOOSE	3 TO 8
MEDIUM	8 TO 24
DENSE	24 TO 40
VERY DENSE	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/FT.)
VERY SOFT	LESS THAN 2
SOFT	1 TO 3
FIRM	3 TO 6
STIFF	6 TO 12
VERY STIFF	12 TO 24
HARD	GREATER THAN 24

J:\65112021 Files\6511-21-054 60th Ave Extension\CAD\6511-21-054_SEG_3.dwg [1/9/2023 6:09 PM]

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

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	---	---
			SURVEY #	---	DESIGNED	SW	07/2022
			SEC./TWN./RGE	00/00/00	DRAWN	SW	07/2022
			SCALE	NOTED	CHECKED	MEN	07/2022

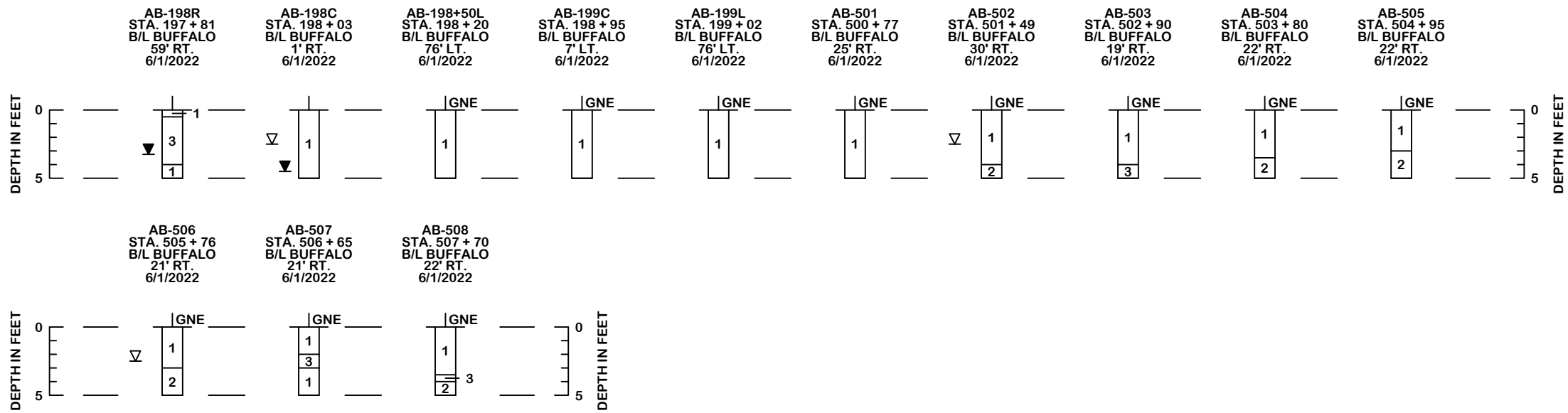
MARC E. NOVAK, P.E.
 FLORIDA P.E. # 67431

 7351 Temple Terrace Highway
 Tampa, Florida 33607
 Phone: 813-989-1354 Fax: 813-989-1355

PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

*69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 SOIL PROFILES (1) - SEG. 3*

SOIL PROFILES



- 1 LIGHT GRAY TO BROWN FINE SAND (A-3/A-2-4)
 - 2 LIGHT GRAY TO BROWN SILTY SAND (A-2-4)
 - 3 LIGHT GRAY TO GRAY SILTY SAND TO CLAYEY SAND (A-2-4/A-2-6)
 - 4 LIGHT GRAY SILT TO SANDY CLAY (A-4/A-6/A-7-6)
 - 5 DARK GRAY ORGANIC SAND TO MUCK (A-8)
 - 6 CALCAREOUS CLAY TO WEATHERED LIMESTONE
 - 7 LIGHT GRAY CLAY (A-7-6)
- ▽ GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION
 - ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
 - ▽+ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE IS ABOVE GRADE
 - N SPT N-VALUE IN BLOWS/FOOT FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED)
 - A-3 AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW
 - GNE GROUNDWATER TABLE NOT ENCOUNTERED
 - REFUSAL BORING TERMINATED DUE TO AUGER REFUSAL ON ROCK MATERIAL
 - B/L BUFFALO BASELINE CONSTRUCTION BUFFALO ROAD (60TH AVENUE E.)
 - B/L 69TH ST. BASELINE 69TH STREET
 - * BORING LOCATED BY SURVEYOR

NOTE: BORING LOCATIONS WERE DETERMINED USING GPS COORDINATES OBTAINED BY TIERRA, INC. IN THE FIELD BY A TIERRA REPRESENTATIVE USING A GPS DEVICE WITH A REPORTED ACCURACY OF APPROXIMATELY +/- 10 FEET UNLESS OTHERWISE NOTED BY AN ASTERISK (*).

AUTOMATIC HAMMER	
GRANULAR MATERIALS- RELATIVE DENSITY	SPT (BLOWS/FT.)
VERY LOOSE	LESS THAN 3
LOOSE	3 TO 8
MEDIUM	8 TO 24
DENSE	24 TO 40
VERY DENSE	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/FT.)
VERY SOFT	LESS THAN 2
SOFT	1 TO 3
FIRM	3 TO 6
STIFF	6 TO 12
VERY STIFF	12 TO 24
HARD	GREATER THAN 24

J:\65112021 Files\6511-21-054 60th Ave Extension\CAD\6511-21-054_SEG_3.dwg [1/9/2023 6:09 PM]


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

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	---	---
			SURVEY #	---	DESIGNED	SW	07/2022
			SEC./TWN./RGE	00/00/00	DRAWN	SW	07/2022
			SCALE	NOTED	CHECKED	MEN	07/2022

MARC E. NOVAK, P.E.
FLORIDA P.E. # 67431



TIERRA
7351 Temple Terrace Highway
Tampa, Florida 33607
Phone: 813-989-1354 Fax: 813-989-1355

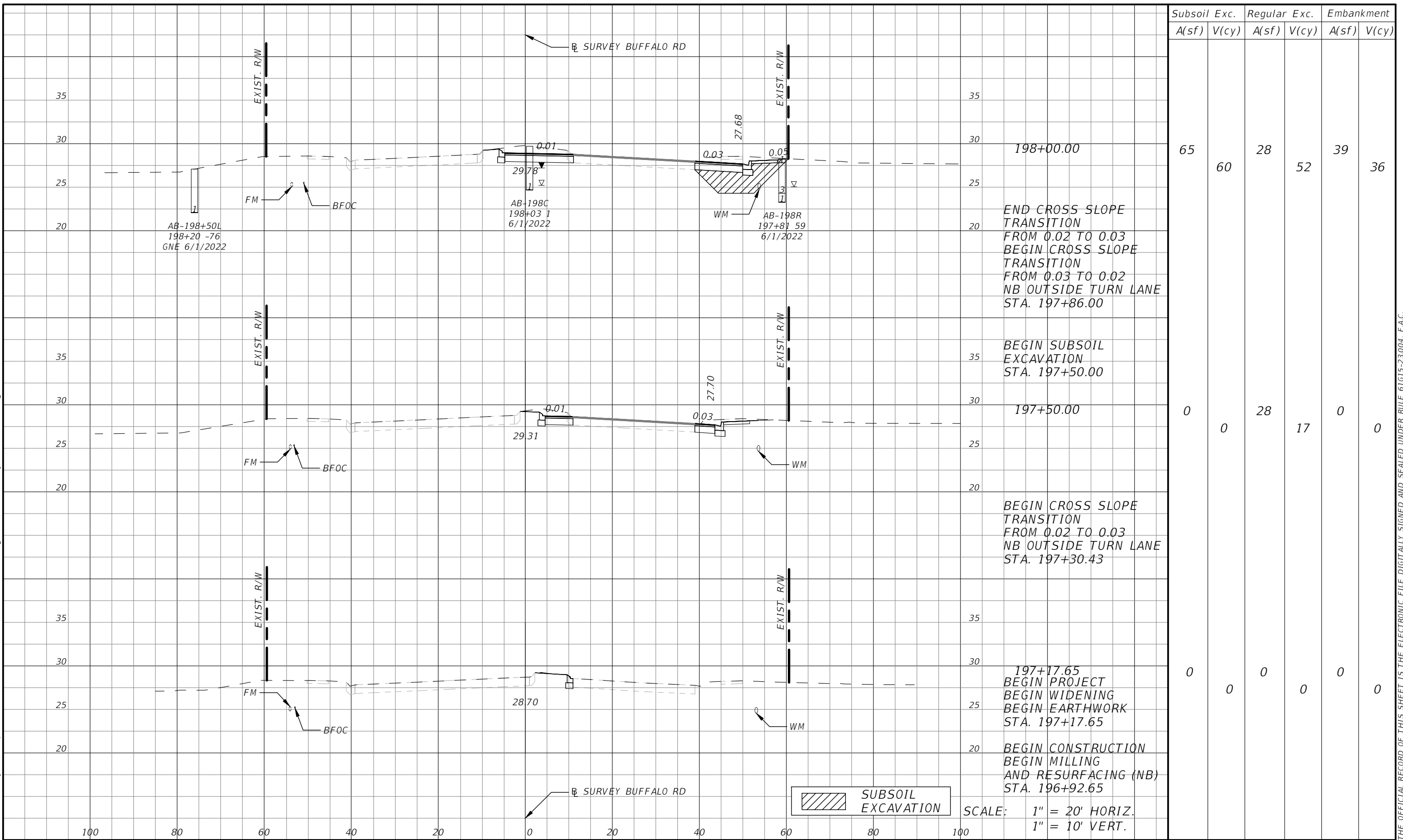


**Manatee
County
FLORIDA**

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

*69TH STREET EAST
INTERSECTION IMPROVEMENTS
SOIL PROFILES (2) - SEG. 3*

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\MIDLRD301.dwg [1/10/2023 5:38 PM]




Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
65	60	28	52	39	36
0	0	28	17	0	0
0	0	0	0	0	0

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 20'H/10'V	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



Manatee County
FLORIDA

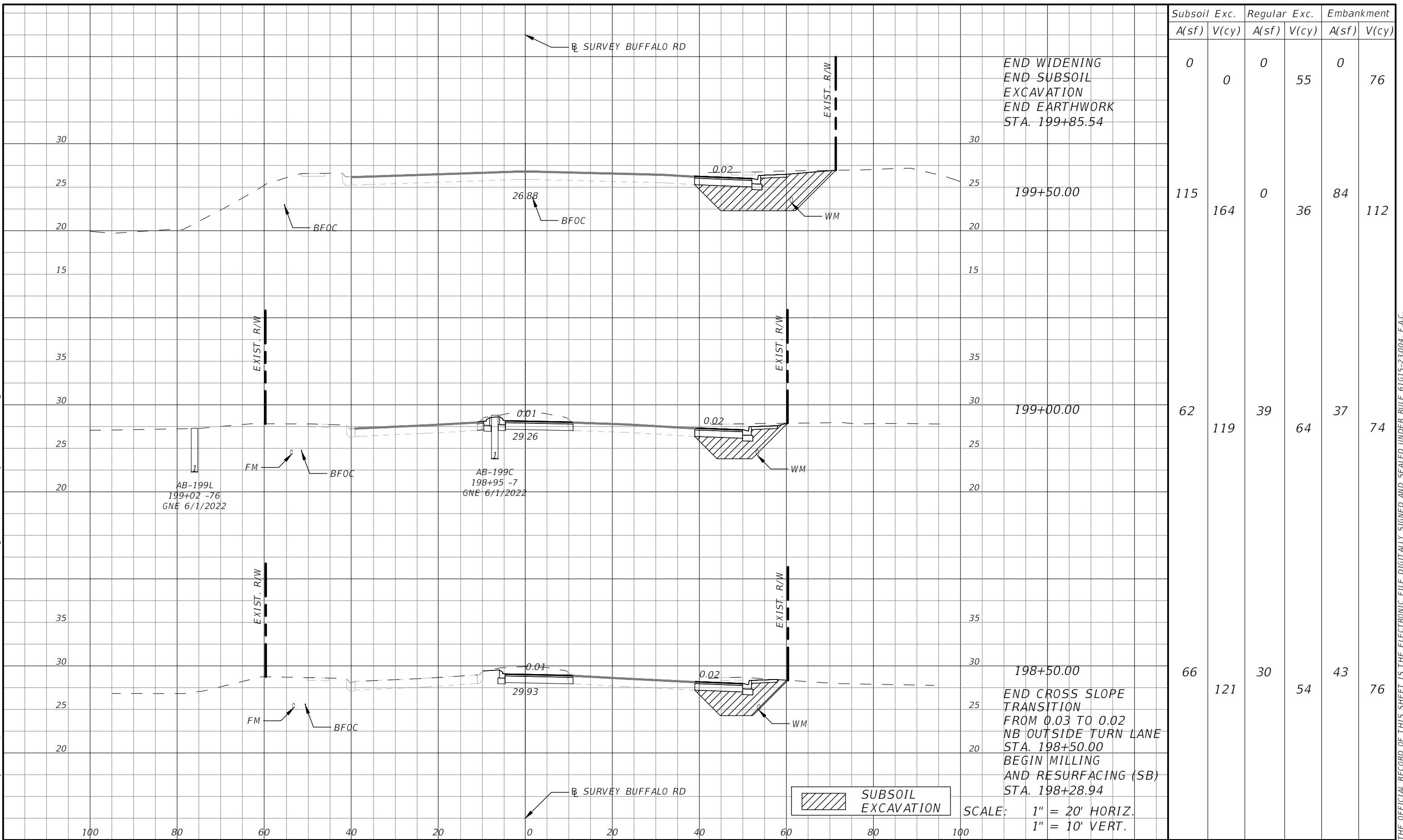
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
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.

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment\MIDLRD301.dwg [1/10/2023 5:38 PM]




Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0	0	0	55	0	76
115	164	0	36	84	112
62	119	39	64	37	74
66	121	30	54	43	76

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 20'H/10'V	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



Manatee County
FLORIDA

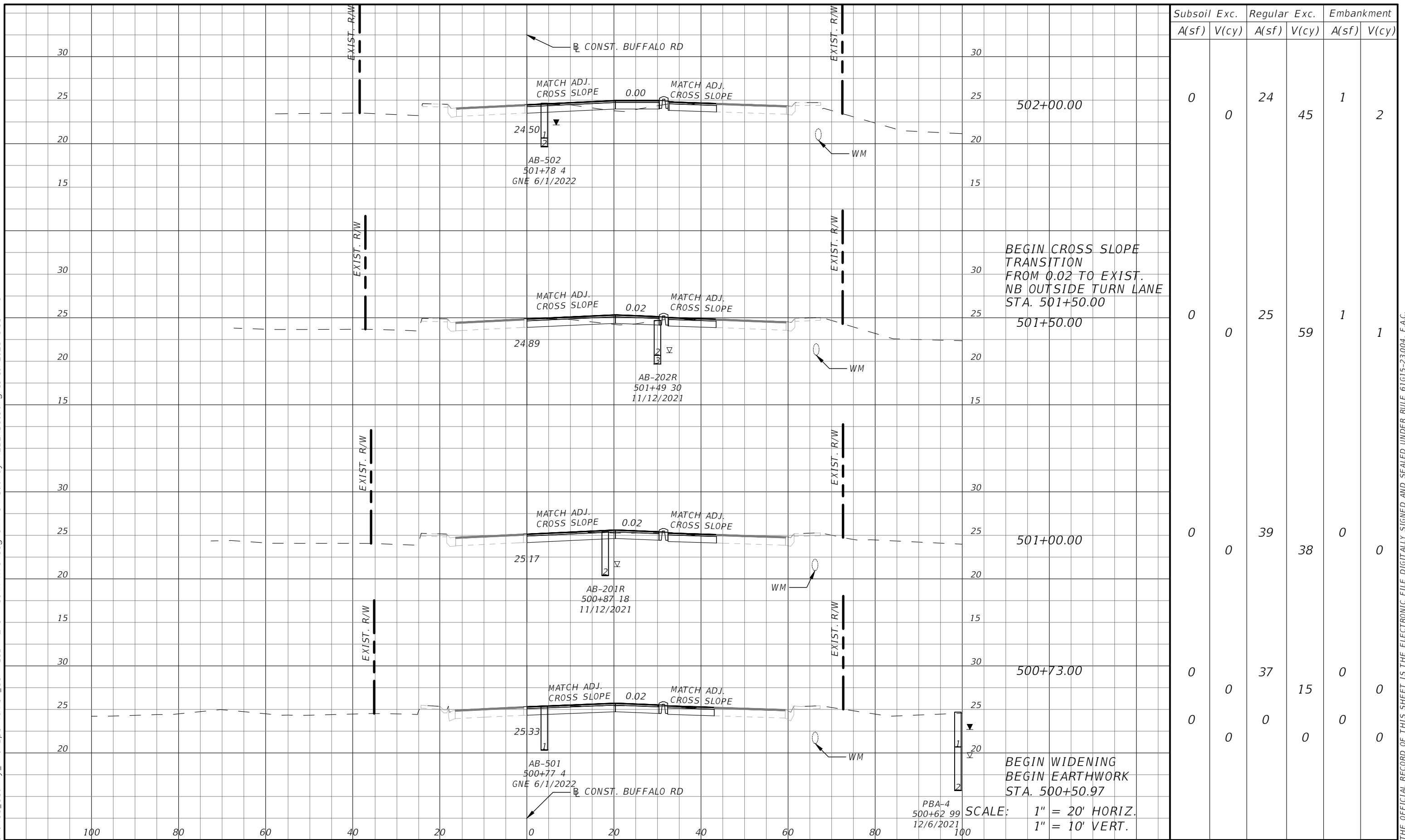
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
CROSS SECTIONS**

SHEET NO.
25

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

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\MIDLRD301.dwg [1/10/2023 5:38 PM]

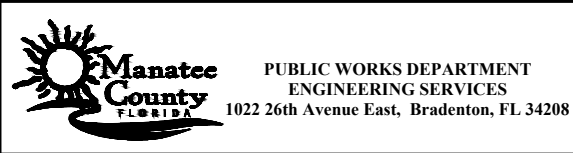


Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0	0	24	45	1	2
0	0	25	59	1	1
0	0	39	38	0	0
0	0	37	15	0	0
0	0	0	0	0	0

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 20'H/10'V	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
 P.E. LICENSE NUMBER 74754
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN STREET
 SUITE 400
 TAMPA, FL 33602

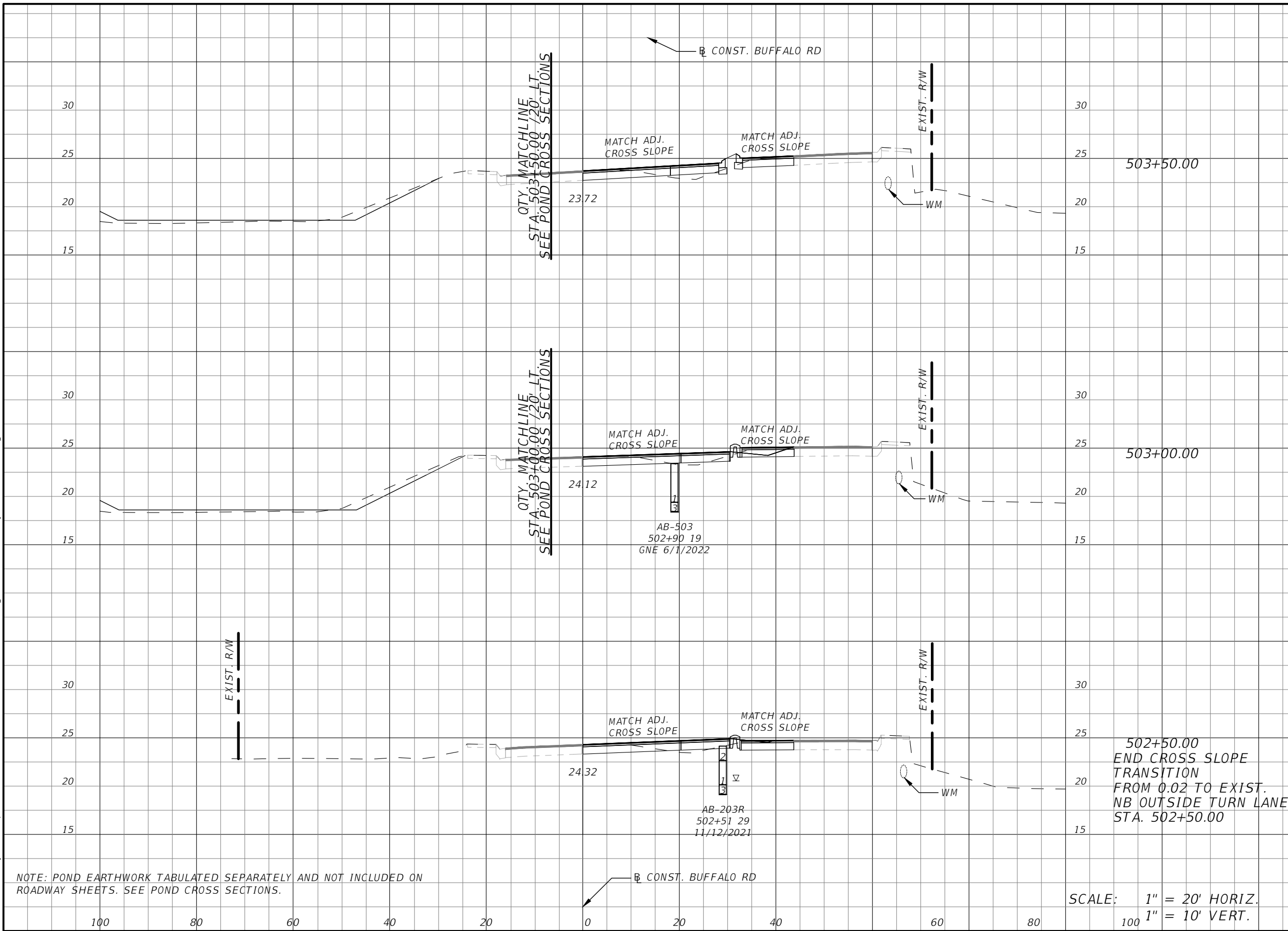


**69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 CROSS SECTIONS**

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.

M:\6201601.00_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\MIDLRD301.dwg [1/10/2023 5:38 PM]




Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0	0	21	43	3	4
0	0	25	46	1	3
0	0	25	45	2	3

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 20'H/10'V	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
 P.E. LICENSE NUMBER 74754
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN STREET
 SUITE 400
 TAMPA, FL 33602



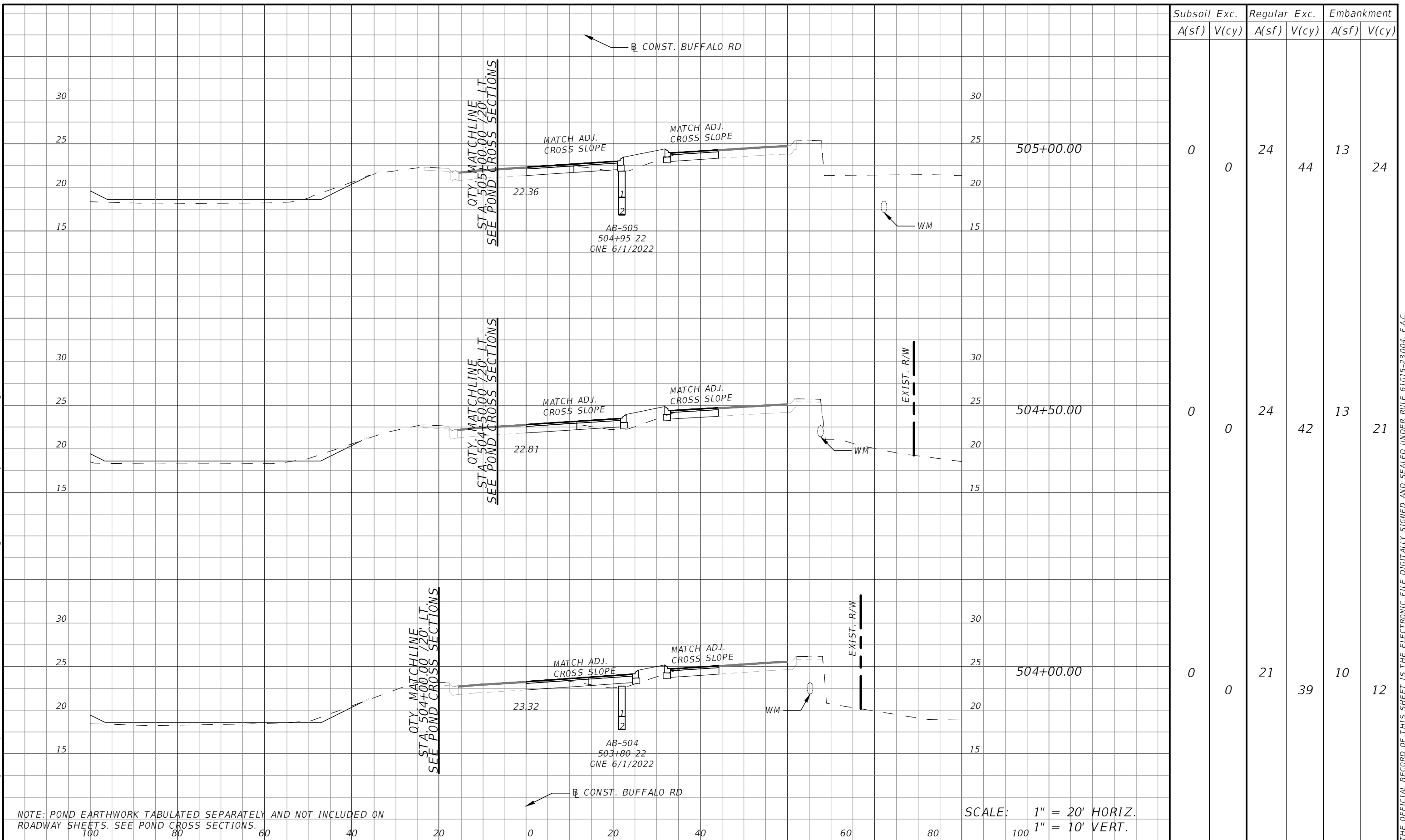
PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 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.

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\Roadway\MIDLRD301.dwg [1/10/2023 5:39 PM]



Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0	0	24	44	13	24
0	0	24	42	13	21
0	0	21	39	10	12

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 20'H/10'V	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDEÑO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602

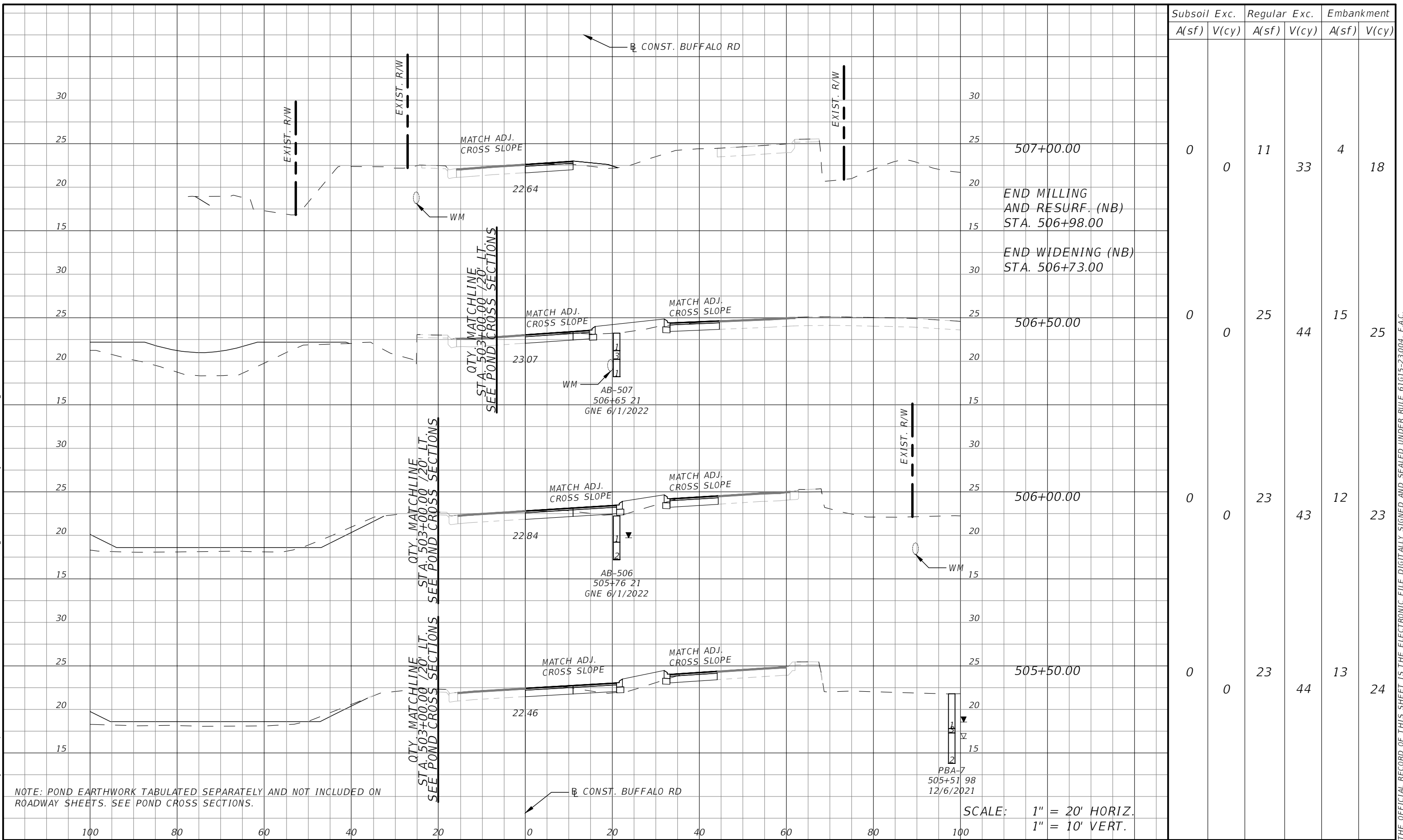


PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
INTERSECTION IMPROVEMENTS
CROSS SECTIONS

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

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\MIDLRD301.dwg [1/10/2023 5:39 PM]



NOTE: POND EARTHWORK TABULATED SEPARATELY AND NOT INCLUDED ON ROADWAY SHEETS. SEE POND CROSS SECTIONS.

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 20'H/10'V	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDEÑO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602

Manatee County
FLORIDA

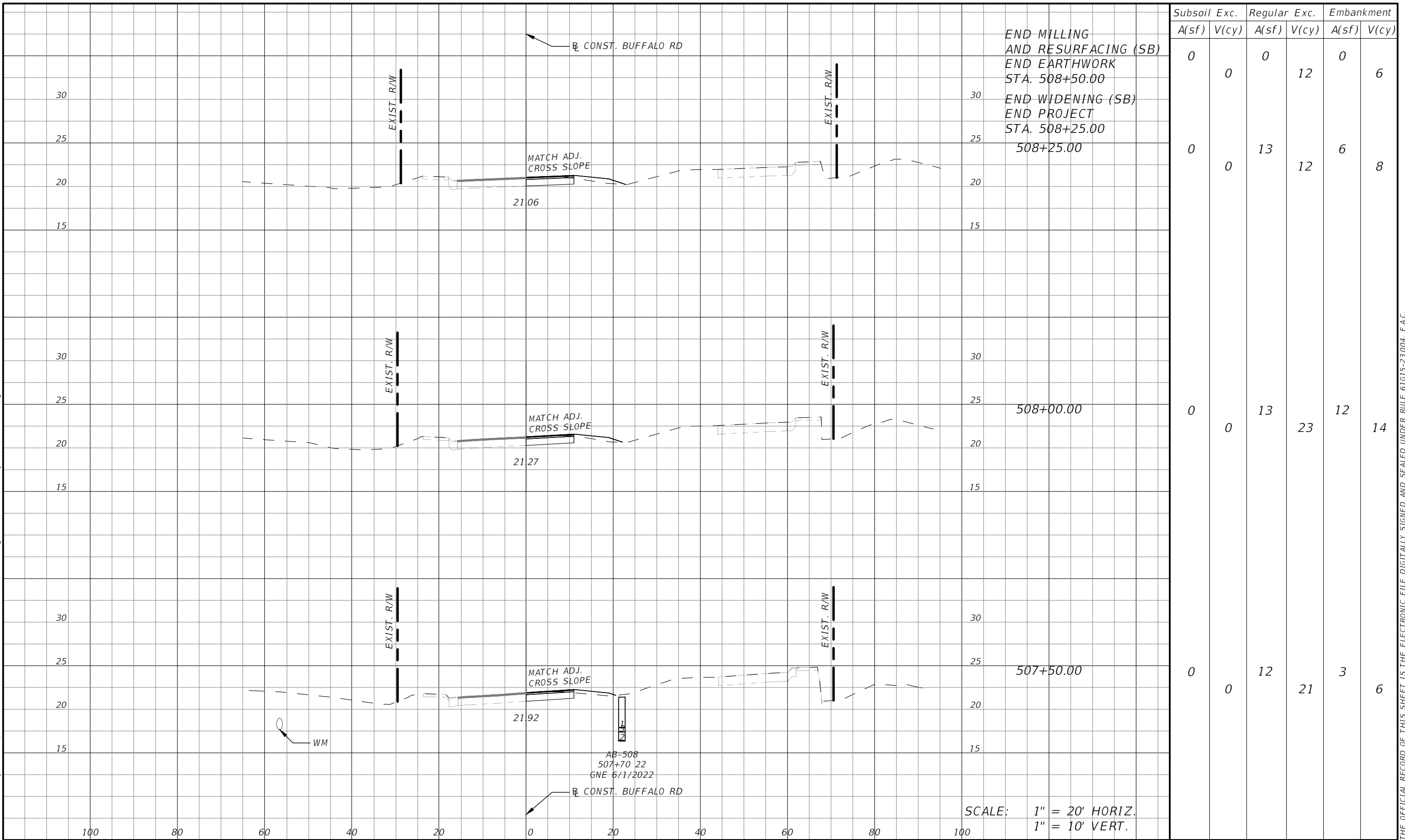
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
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.

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\MIDLRD301.dwg [1/10/2023 5:39 PM]



END MILLING
AND RESURFACING (SB)
END EARTHWORK
STA. 508+50.00
END WIDENING (SB)
END PROJECT
STA. 508+25.00


Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0	0	0	12	0	6
0	0	13	12	6	8
0	0	13	23	12	14
0	0	12	21	3	6

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 20'H/10'V	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDEÑO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



Manatee County
FLORIDA

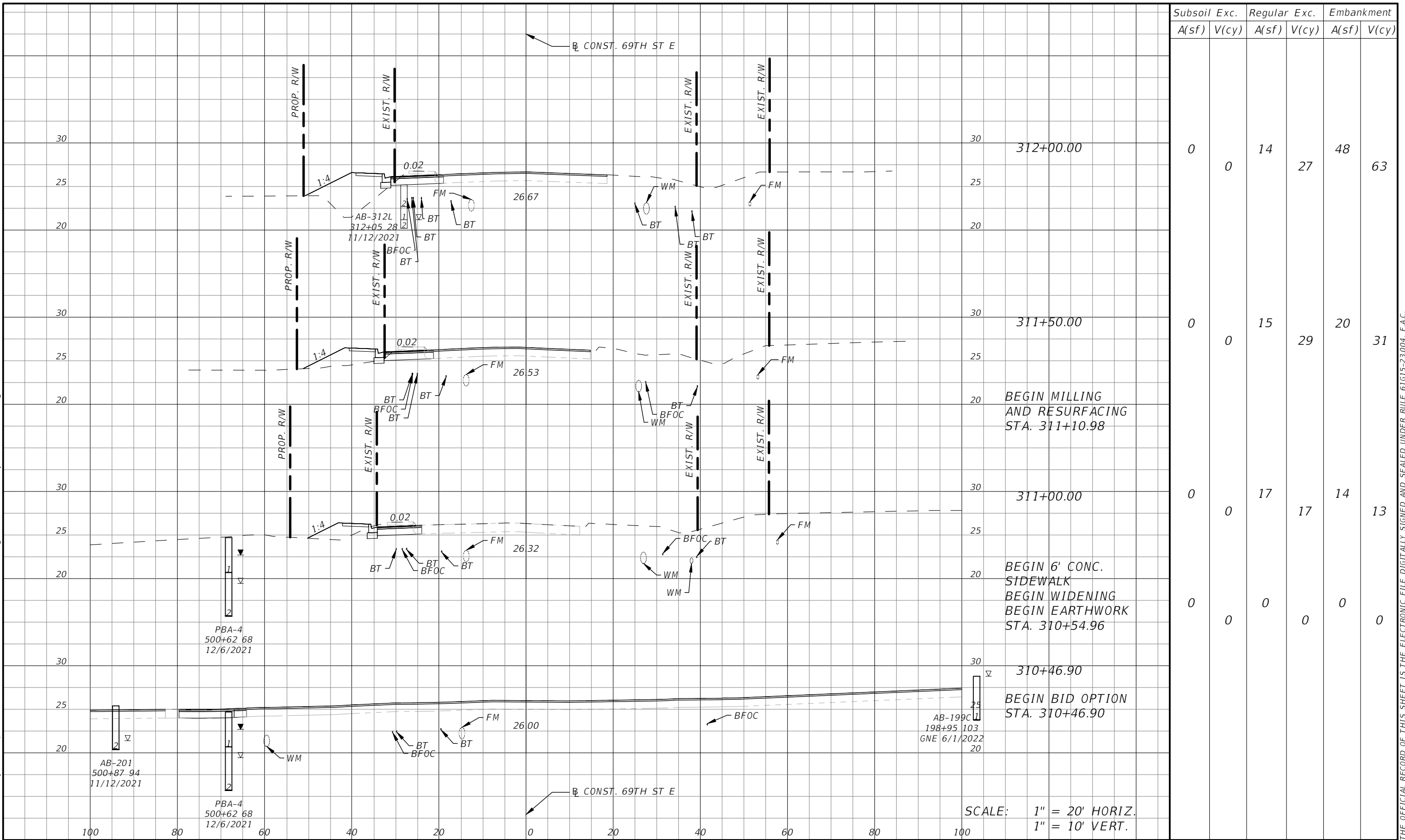
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
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.

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment\MIDLRD301.dwg [1/10/2023 5:39 PM]



Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0	0	14	27	48	63
0	0	15	29	20	31
0	0	17	17	14	13
0	0	0	0	0	0

NUMBER	DESCRIPTION	DATE
AB-201	500+87 94	11/12/2021
PBA-4	500+62 68	12/6/2021

PROJECT #	SURVEYED	RPH	DATE
6083160	5/2018		
SURVEY #	DESIGNED	AJS	DATE
N/A	9/2021		
SEC./TWN./RGE	DRAWN	AJS	DATE
28/33S/18E	9/2021		
SCALE	CHECKED	DHC	DATE
1" = 20'H/10'V			9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
 P.E. LICENSE NUMBER 74754
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN STREET
 SUITE 400
 TAMPA, FL 33602



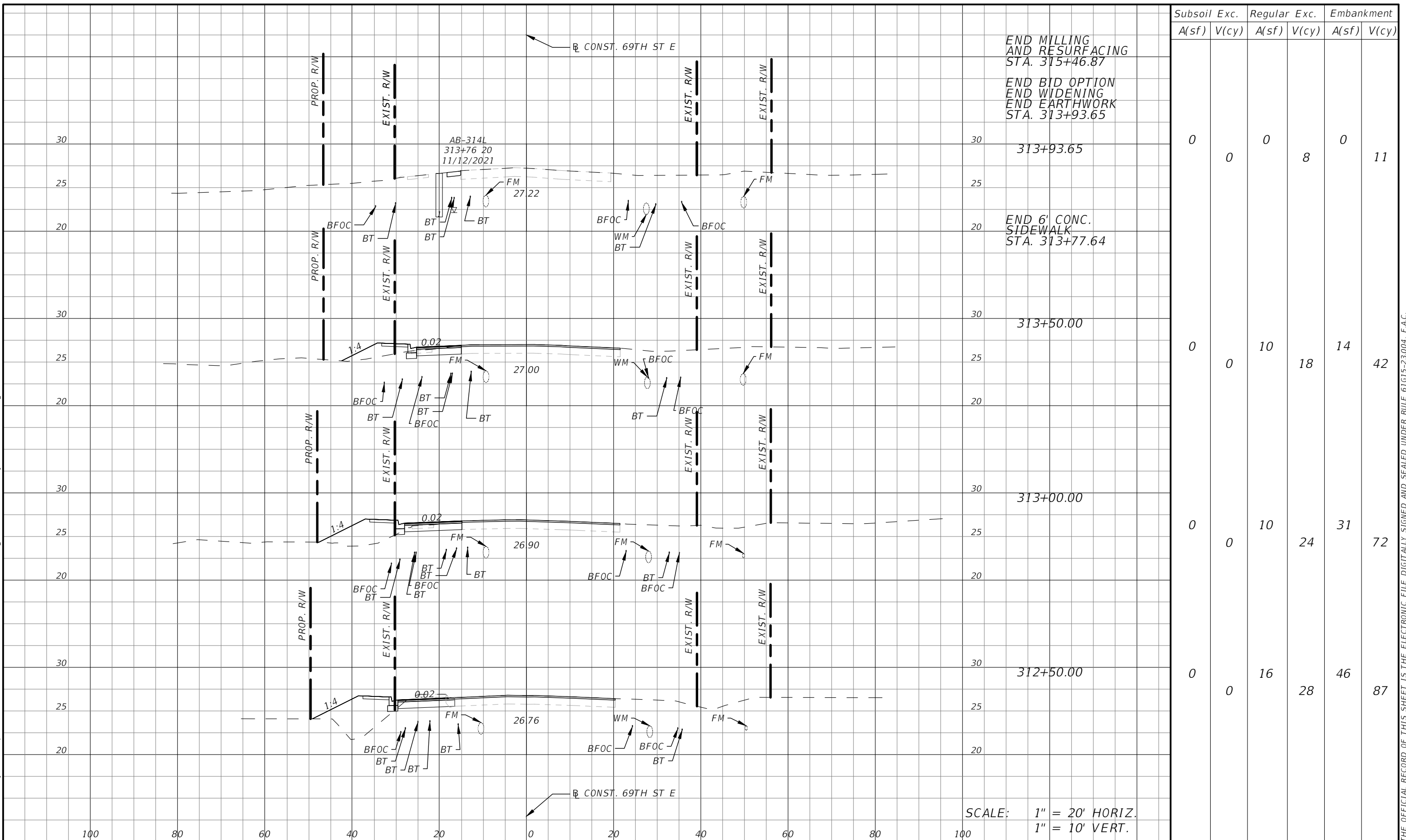
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 CROSS SECTIONS- BID OPTION**

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.

M:\20160100_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\MIDLRD301.dwg [1/10/2023 5:39 PM]



Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0	0	0	8	0	11
0	0	10	18	14	42
0	0	10	24	31	72
0	0	16	28	46	87

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 20'H/10'V	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
CROSS SECTIONS- BID OPTION**

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.

M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\drainage\SWPPRD301.dwg [1/10/2023 5:39 PM]

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT IS WIDENING AND RECONSTRUCTING THE INTERSECTION OF 69TH ST EAST AND BUFFALO RD.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION FOR THE OUTFALL FROM THE POND.
2. CLEARING AND GRUBBING, EARTHWORK FOR POND CONSTRUCTION.
3. STORM DRAIN CONSTRUCTION. CONSTRUCT THE STORM DRAIN PIPE IN THE UPSTREAM DIRECTION.
4. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, CURB, SUBGRADE, BASE, PAVEMENT, AND SIDEWALK.
5. CONSTRUCT UNDERDRAIN IN POND SIDESLOPE.

1.A. AREA ESTIMATES:

TOTAL SITE AREA: 3.90 ACRES
 TOTAL AREA TO BE DISTURBED: 1.28 ACRES

1.B. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.50
 DURING: VARIES FROM 0.50 TO 0.67
 AFTER: 0.67

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). THE FOLLOWING LISTS THE SOIL TYPES WITHIN THE PROJECT SITE:

- 20 - EAUGALLIE-EAUGALLIE WET FINE SAND
- 22 - FELDA FINE SAND
- 26 - FLORIDANA-IMMOKALEE-OKEELANTA

OUTFALL INFORMATION:

THERE IS 1 OUTFALL.

#1 DESCRIPTION: EXISTING POND AT BUFFALO RD.

LOCATION: LATITUDE 27° 34' 46" N,
 LONGITUDE, 82° 30' 43" W.
 EST. DRAINAGE AREA SIZE: 3.90 ACRES
 RECEIVING WATER NAME: FROG CREEK.

1.A. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS.

*APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN-PROFILE SHEETS. THERE ARE POND CROSS SECTIONS LOCATED WITH THE POND DETAIL SHEETS.

*AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE SHEETS, THE CROSS SECTION SHEETS, AND THE POND DETAIL SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

*AREAS NOT TO BE DISTURBED: ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.

*LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL SHEETS. TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE SUMMARY OF QUANTITY SHEETS.

*LOCATIONS OF PERMANENT CONTROLS: THE STORMWATER POND IS THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROLS. THESE ARE SHOWN ON THE POND DETAIL SHEETS.

* AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS, THE PLAN-PROFILE SHEETS AND THE POND DETAIL SHEETS.

1.F. RECEIVING WATERS:

RUNOFF OF THE INTERSECTION IS CONVEYED ALONG THE CORRIDOR VIA STORMWATER PIPES AND ULTIMATELY OUTFALLS INTO FROG CREEK. FROG CREEK (WBID 1825B) IS LISTED IMPAIRED FOR FECAL COLIFORM.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THE CONSTRUCTION PLANS. WHERE FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

2.A1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.


PERMANENT:

* ASPHALT OR CONCRETE SURFACE.

* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	HYATT	5/2021
			SURVEY #	18-2238	DESIGNED	YTK	1/5/23
			SEC./TWN./RGE	4-34S-18E	DRAWN	YTK	1/5/23
					CHECKED	BR	1/5/23

CURTIS A. SPRUNGER P.E.
 P.E. LICENSE NUMBER 66524
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN ST. STE 400
 TAMPA, FL 33602



Manatee County Florida
 PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 STORMWATER POLLUTION PREVENTION PLAN**

(1)

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.

M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\drainage\SWPPRD301.dwg [1/10/2023 5:39 PM]

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION 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 SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

- * SEDIMENT BARRIERS IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIFICATION SECTION 104.
- * INLET PROTECTION IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIAL DETAILS SHOWN IN THE TTC PLAN.
- * SEDIMENT CONTAINMENT SYSTEM: THE PERMANENT STORMWATER PONDS WILL BE TEMPORARILY MODIFIED ACCORDING TO THE DETAILS IN THE TTC PLAN.

PERMANENT:

- * STORMWATER PONDS.
- * SOD.

2.B STORMWATER MANAGEMENT:

SEVERAL STORM DRAIN SYSTEMS WILL BE CONSTRUCTED TO CONVEY RUNOFF TO ONE (1) STORMWATER DETENTION POND. THE FACILITIES WILL REQUIRE PERMITS FROM THE SOUTHWEST FLORIDA MANAGEMENT DISTRICT (SWFWMD) AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND COMPLY WITH APPLICABLE DESIGN STANDARDS.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- * PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
- * DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- * DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

IN THE SEDIMENT AND EROSION 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.

- * COVERING LOADED HAUL TRUCKS WITH TARPULINS.
- * REMOVING EXCESS DIRT FROM ROADS DAILY.
- * STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106.
- * USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D.4 APPROVED STATE AND LOCAL PLANS AND PERMITS:

- * FDEP RULE CHAPTER 62-25 F.A.C.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

- * SILT FENCE: MAINTAIN PER SECTION 104. ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.
- * SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

- * POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
- * POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.
- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- * STRUCTURAL CONTROLS.
- * STORMWATER MANAGEMENT SYSTEMS.
- * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.


IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT ROBERT SHANKLE, MANATEE COUNTY SOLID WASTE DIVISION MANAGER, AT (941) 792-8811, EXT. 5275.

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	HYATT	5/2021
			SURVEY #	18-2238	DESIGNED	YTK	1/5/23
			SEC./TWN./RGE	4-34S-18E	DRAWN	YTK	1/5/23
					CHECKED	BR	1/5/23

CURTIS A. SPRUNGER P.E.
P.E. LICENSE NUMBER 66524
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN ST. STE 400
TAMPA, FL 33602



**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**
1022 26th Avenue East, Bradenton, FL 34208


**69TH STREET EAST
INTERSECTION IMPROVEMENTS
STORMWATER POLLUTION PREVENTION PLAN**
(2)

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

M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\TCD\SRD01.dwg [1/10/2023 5:40 PM]

1. MAINTAIN THE EXISTING POSTED 40 MPH SPEED LIMIT ON 69TH ST. E AT ALL TIMES. MAINTAIN THE EXISTING POSTED 35 MPH SPEED LIMIT ON BUFFALO ROAD AT ALL TIMES. MAINTAIN TRAFFIC ON SIDE STREETS USING FDOT STANDARD PLANS, INDEX 102-600 SERIES, WHENEVER WORK OCCURS WITHIN OR ADJACENT TO THE SIDE STREET.
2. LANE CLOSURES ARE NOT ALLOWED ON 69TH ST. E AND BUFFALO ROAD BETWEEN THE HOURS OF 6:00AM AND 9:00PM. LANE CLOSURES ARE ONLY ALLOWED DURING ACTIVE WORK PERIODS AND MUST BE APPROVED BY THE ENGINEER AND MANATEE COUNTY. ENSURE THAT ALL ROAD/LANE CLOSURES MEET THE REQUIREMENTS OF MANATEE COUNTY HIGHWAY AND TRAFFIC STANDARDS SECTION 3.1.4 ROAD CLOSURE PROCEDURES.
3. THE TEMPORARY TRAFFIC CONTROL (TTC) PLAN SHEETS INCLUDED AS PART OF THIS CONTRACT DOCUMENT ARE CONCEPTUAL AND FOR ILLUSTRATION PURPOSES ONLY. DO NOT CONSTRUCT FROM THE TTC PLAN SHEETS.
4. PREPARE A TTC PLAN IN CONFORMANCE WITH AND IN THE FORM OUTLINED IN THE CURRENT VERSION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN MANUAL. PROVIDE TTC PLAN DETAILS FOR EACH PHASE OF ACTIVITIES. THE CONTRACTOR'S ENGINEER OF RECORD, A FLORIDA LICENSED PROFESSIONAL ENGINEER CERTIFIED IN FLORIDA ADVANCED TRAFFIC CONTROL DESIGN MUST SIGN AND SEAL THE TTC PLAN AND SUBMIT TO THE ENGINEER FOR APPROVAL. DO NOT BEGIN CONSTRUCTION UNTIL THE TTC PLAN IS APPROVED BY THE ENGINEER. ALL COSTS, DELAYS OR DAMAGES, WHETHER DIRECT OR INDIRECT, RESULTING FROM THE TTC PLAN WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. MAINTAIN ALL EXISTING WARNING, GUIDE, AND REGULATORY SIGNS AT ALL TIMES. COVER, RELOCATE, OR REMOVE SIGNS FOR THE TRAFFIC CONTROL PATTERN OF EACH PHASE AS APPROVED BY THE ENGINEER.
6. ARROWS SHOWN IN TRAFFIC CONTROL PLANS INDICATE DIRECTION OF TRAFFIC AND DO NOT REPRESENT PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.
7. RETAIN A SELF-CONTAINED VACUUM-TYPE MOBILE BROOM ON THE PROJECT SITE FOR CLEANUP OF DUST AND DEBRIS DURING MILLING OPERATIONS.
8. DO NOT EXCAVATE ANY AREAS THAT WOULD PREVENT THE ROADWAY FROM BEING SAFELY REOPENED TO TRAFFIC WITHIN THE SAME WORK PERIOD.
9. MAINTAIN VISIBLE STREET NAME IDENTIFICATION DURING CONSTRUCTION OPERATIONS TO FACILITATE EMERGENCY VEHICLE OPERATIONS.
10. CONTROL SIDE STREET AND DRIVEWAY TRAFFIC DURING CONSTRUCTION OPERATIONS USING FLAGGERS PER FDOT STANDARD PLANS, INDEX 102-600 SERIES.

GENERAL NOTES

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	N/A	N/A	JOHN P. MAZERES, P.E. P.E. LICENSE NUMBER 61299 KISINGER CAMPO & ASSOCIATES CORP. 111 N. MAGNOLIA AVE, SUITE 105 ORLANDO, FL 32801	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	69TH STREET EAST INTERSECTION IMPROVEMENTS TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
			SURVEY #	N/A	DESIGNED	JG	1/2022				
			SEC./TWN./RGE	28/33S/18E	DRAWN	JG	1/2022				
			SCALE	N.T.S.	CHECKED	JPM	1/2022				
											35

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

TEMPORARY TRAFFIC CONTROL PLAN PHASE NOTES: BUFFALO ROAD

PHASE 1

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS, AND ADVANCE WARNING CONSTRUCTION SIGNS AND REMOVE CONFLICTING SIGNS IN ACCORDANCE WITH THE TEMPORARY TRAFFIC CONTROL PLANS AND INDEX NO. 102-600.
2. MAINTAIN TRAFFIC ON EXISTING OUTSIDE NB/SB AND INSIDE SB LANES PER INDEX 102-613 AND 102-615.
3. CONSTRUCT INSIDE WIDENING PAVEMENT EXCLUDING FRICTION COURSE.
4. CONSTRUCT CURBS.

PHASE 2

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS, AND ADVANCE WARNING CONSTRUCTION SIGNS AND REMOVE CONFLICTING SIGNS IN ACCORDANCE WITH THE TEMPORARY TRAFFIC CONTROL PLANS AND INDEX NO. 102-600.
2. MAINTAIN TRAFFIC ON EXISTING NB/SB LANES PER INDEX 102-613 AND 102-615.
3. CONSTRUCT OUTSIDE WIDENING PAVEMENT EXCLUDING FRICTION COURSE.
4. CONSTRUCT SIDEWALK AND CURBS.

PHASE 3

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS, AND ADVANCE WARNING CONSTRUCTION SIGNS AND REMOVE CONFLICTING SIGNS IN ACCORDANCE WITH THE TEMPORARY TRAFFIC CONTROL PLANS AND INDEX NO. 102-600.
2. MAINTAIN TRAFFIC ON EXISTING NB/SB LANES PER INDEX 102-613 AND 102-615.
3. CONSTRUCT INSIDE WIDENING PAVEMENT EXCLUDING FRICTION COURSE.
4. CONSTRUCT CURBS.

PHASE 4

1. USING INDEX 102-613 AND 102-615, PLACE FRICTION COURSE AND THEN FINAL STRIPING AND PAVEMENT MARKINGS.

TEMPORARY TRAFFIC CONTROL PLAN PHASE NOTES: 69TH ST. E

PHASE 1

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS, AND ADVANCE WARNING CONSTRUCTION SIGNS AND REMOVE CONFLICTING SIGNS IN ACCORDANCE WITH THE TEMPORARY TRAFFIC CONTROL PLANS AND INDEX NO. 102-603 AND 102-604.
2. MAINTAIN TRAFFIC ON EXISTING LANES.
3. MILL AND RESURFACE PAVEMENT.

PHASE 2

1. USING INDEX 102-603 AND 102-604, PLACE FRICTION COURSE AND THEN FINAL STRIPING AND PAVEMENT MARKINGS.

TEMPORARY TRAFFIC CONTROL PHASING

*69TH STREET EAST
INTERSECTION IMPROVEMENTS
TEMPORARY TRAFFIC CONTROL
PLAN*

SHEET NO.

36

M:\6201601.00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\TCDSRD01.dwg [1/10/2023 5:40 PM]

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

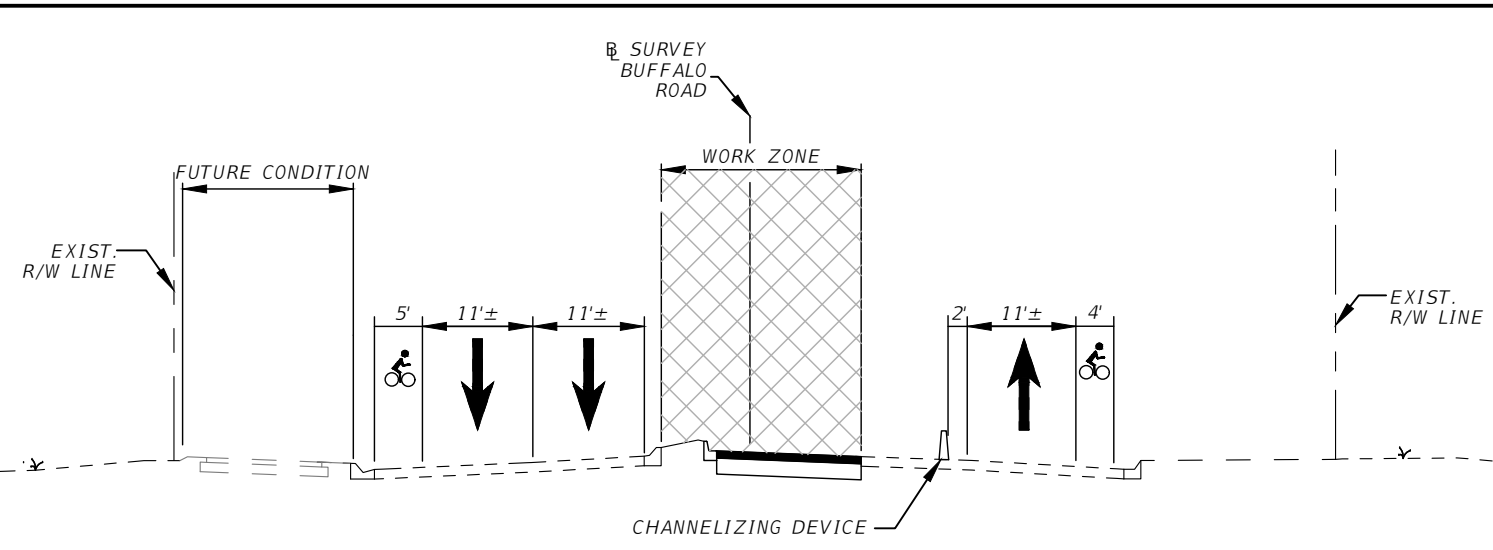
NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	N/A	N/A
			SURVEY #	N/A	DESIGNED	JG	1/2022
			SEC./TWN./RGE	28/33S/18E	DRAWN	JG	1/2022
			SCALE	N.T.S.	CHECKED	JPM	1/2022

JOHN P. MAZERES, P.E.
P.E. LICENSE NUMBER 61299
KISINGER CAMPO & ASSOCIATES CORP.
111 N. MAGNOLIA AVE, SUITE 105
ORLANDO, FL 32801

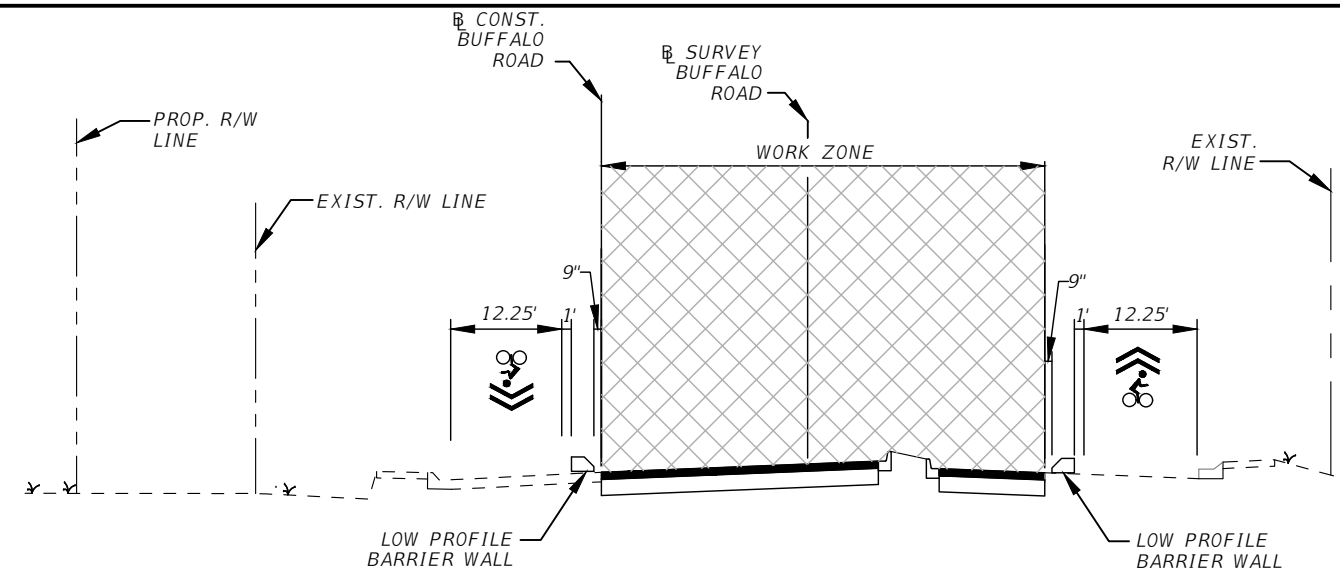


PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

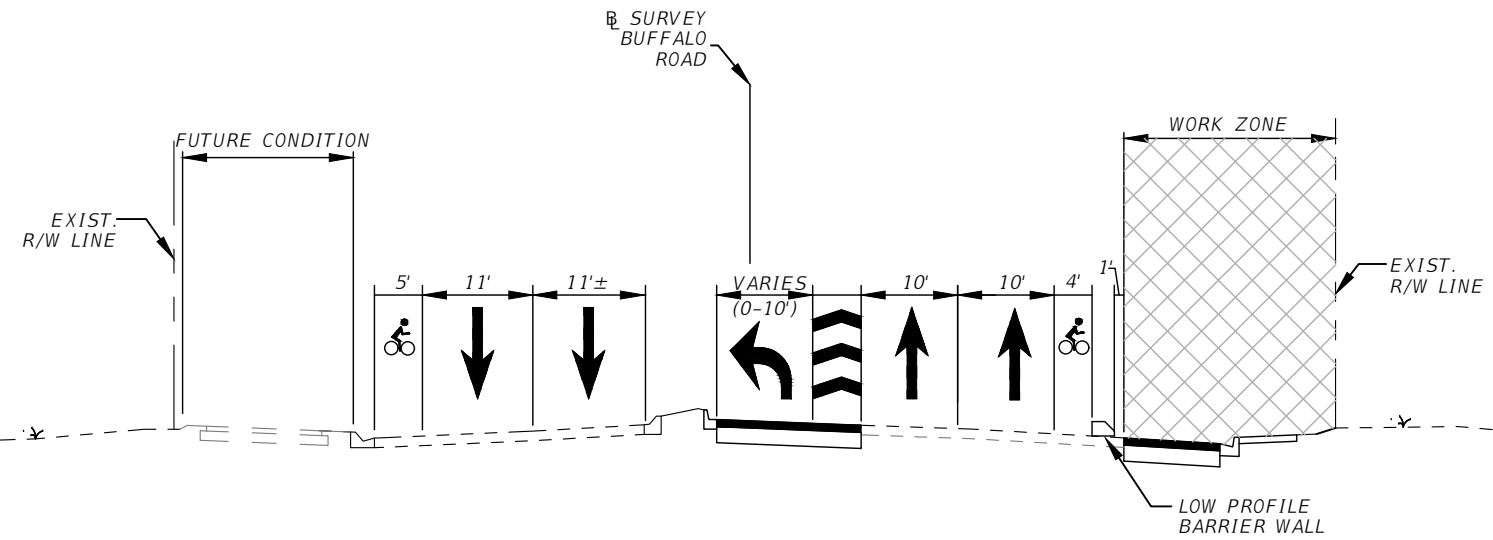
M:\6201601.00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\TCDSRD01.dwg [1/10/2023 5:40 PM]



PHASE 1
 BUFFALO ROAD
 SOUTH OF 69TH ST E
 SURVEY BUFFALO RD
 STA. 197+04.76 TO STA. 200+05.73



PHASE 3
 BUFFALO ROAD
 NORTH OF 69TH ST E E
 CONST. BUFFALO RD
 STA. 500+00.00 TO STA. 508+25.00



PHASE 2
 BUFFALO ROAD
 SOUTH OF 69TH ST E
 SURVEY BUFFALO RD
 STA. 197+04.76 TO STA. 200+05.73

TYPICAL SECTIONS

69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 TEMPORARY TRAFFIC CONTROL
 PLAN

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	N/A	N/A
			SURVEY #	N/A	DESIGNED	JG	1/2022
			SEC./TWN./RGE	28/33S/18E	DRAWN	JG	1/2022
			SCALE	N.T.S.	CHECKED	JPM	1/2022

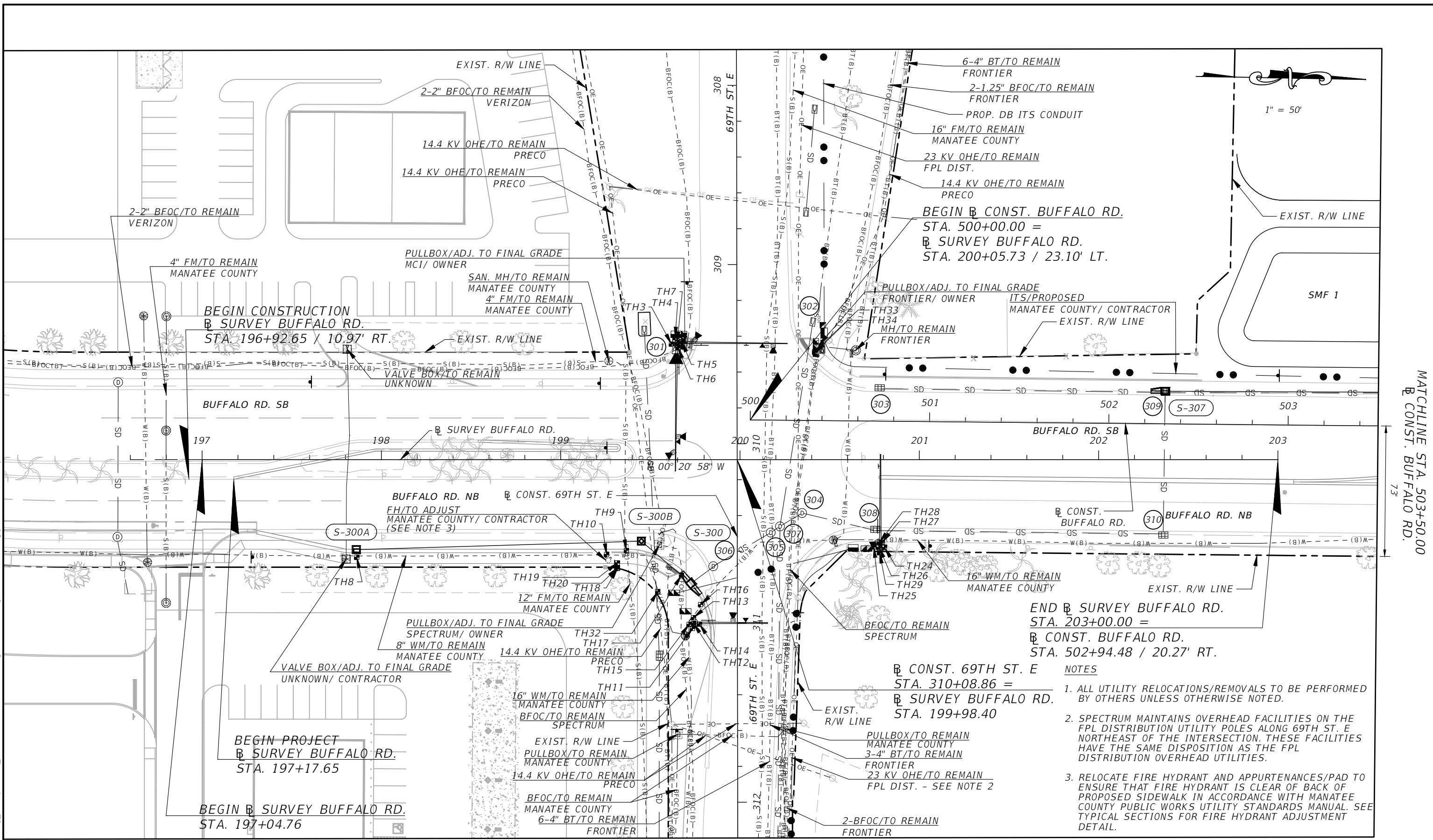
JOHN P. MAZERES, P.E.
 P.E. LICENSE NUMBER 61299
 KISINGER CAMPO & ASSOCIATES CORP.
 111 N. MAGNOLIA AVE, SUITE 105
 ORLANDO, FL 32801



PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

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

M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\UT\ADRD301.dwg [1/10/2023 5:40 PM]



MATCHLINE STA. 503+50.00
CONST. BUFFALO RD.

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

- NOTES**
1. ALL UTILITY RELOCATIONS/REMOVALS TO BE PERFORMED BY OTHERS UNLESS OTHERWISE NOTED.
 2. SPECTRUM MAINTAINS OVERHEAD FACILITIES ON THE FPL DISTRIBUTION UTILITY POLES ALONG 69TH ST. E NORTHEAST OF THE INTERSECTION. THESE FACILITIES HAVE THE SAME DISPOSITION AS THE FPL DISTRIBUTION OVERHEAD UTILITIES.
 3. RELOCATE FIRE HYDRANT AND APPURTENANCES/PAD TO ENSURE THAT FIRE HYDRANT IS CLEAR OF BACK OF PROPOSED SIDEWALK IN ACCORDANCE WITH MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS MANUAL. SEE TYPICAL SECTIONS FOR FIRE HYDRANT ADJUSTMENT DETAIL.

NUMBER	DESCRIPTION	DATE
PROJECT #	6083160	SURVEYED
SURVEY #	N/A	DESIGNED
SEC./TWN./RGE	28/33S/18E	DRAWN
SCALE	1" = 50'	CHECKED

DEBORAH HERNANDEZ-CEDENO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602

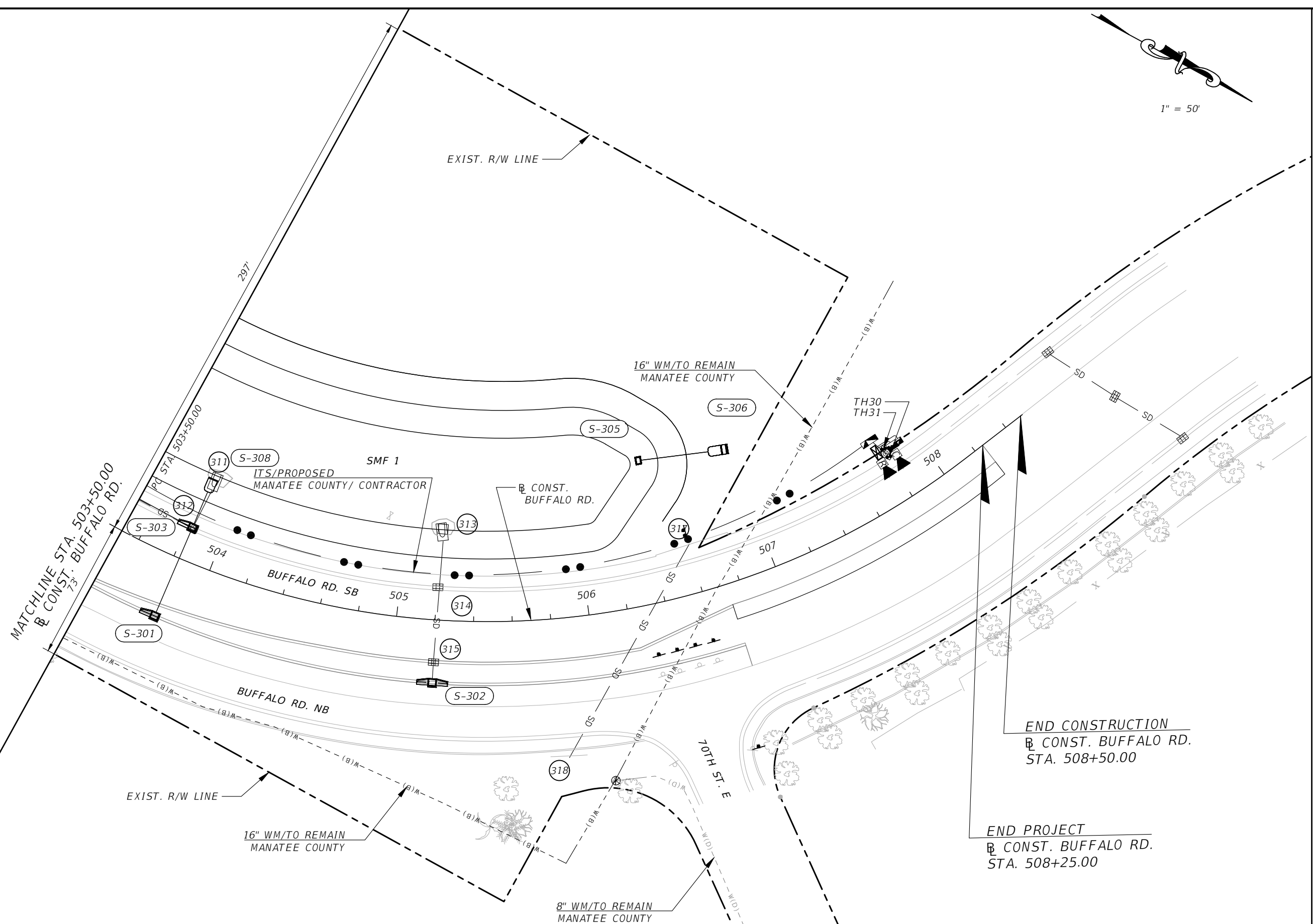


PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

**69TH STREET EAST
INTERSECTION IMPROVEMENTS
UTILITY ADJUSTMENT SHEETS**

M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\UTADR301.dwg [1/10/2023 5:41 PM]

1" = 50'



END CONSTRUCTION
 CONST. BUFFALO RD.
 STA. 508+50.00

END PROJECT
 CONST. BUFFALO RD.
 STA. 508+25.00

NUMBER	DESCRIPTION	DATE

PROJECT #	6083160	SURVEYED	RPH	5/2018
SURVEY #	N/A	DESIGNED	AJS	9/2021
SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021
SCALE	1" = 50'	CHECKED	DHC	9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
 P.E. LICENSE NUMBER 74754
 KISINGER CAMPO & ASSOCIATES CORP.
 201 N. FRANKLIN STREET
 SUITE 400
 TAMPA, FL 33602



PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES
 1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
 INTERSECTION IMPROVEMENTS
 UTILITY ADJUSTMENT SHEETS

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

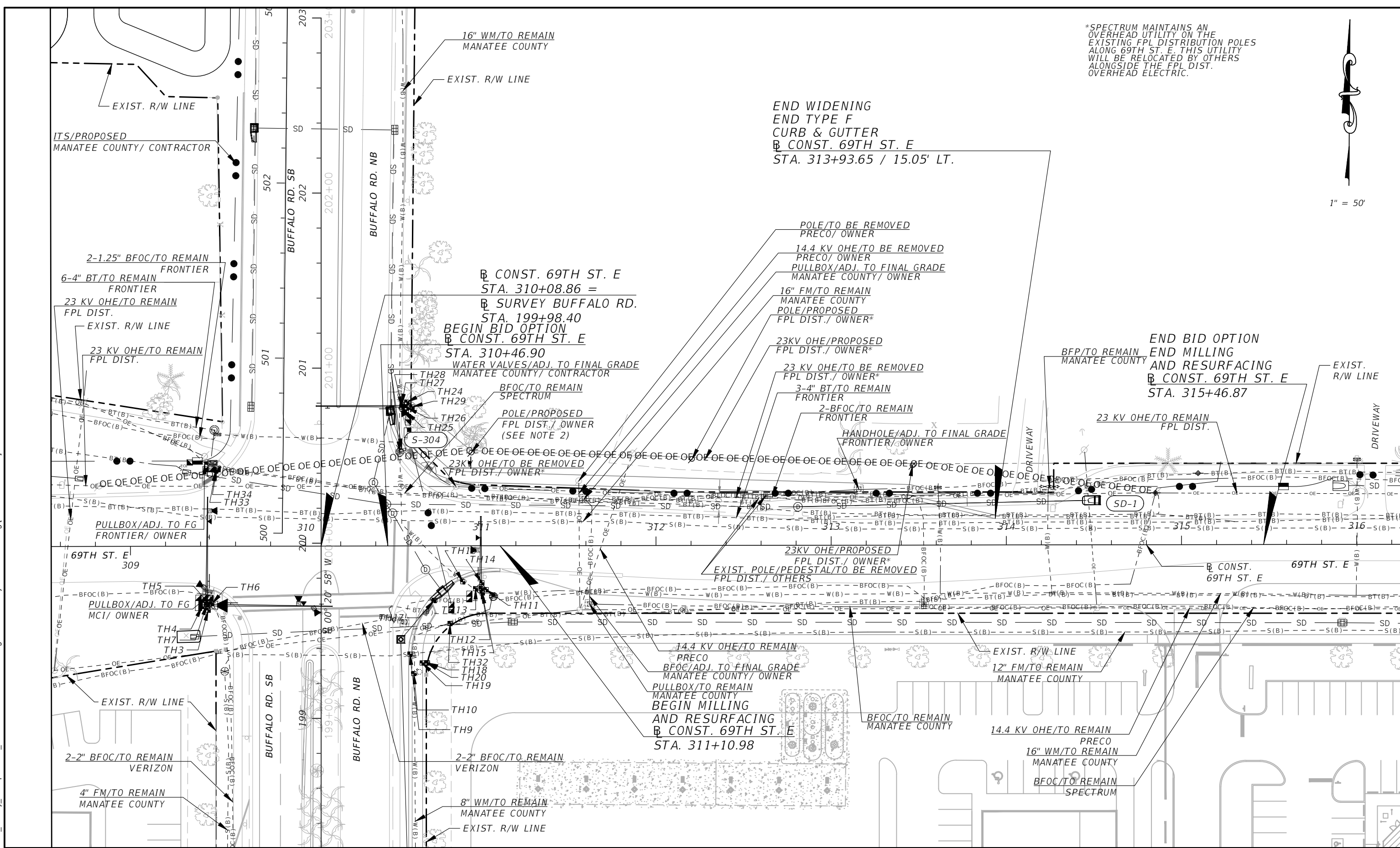
M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\UTADR301.dwg [1/10/2023 5:41 PM]

*SPECTRUM MAINTAINS AN OVERHEAD UTILITY ON THE EXISTING FPL DISTRIBUTION POLES ALONG 69TH ST. E. THIS UTILITY WILL BE RELOCATED BY OTHERS ALONGSIDE THE FPL DIST. OVERHEAD ELECTRIC.

1" = 50'

END WIDENING
END TYPE F
CURB & GUTTER
CONST. 69TH ST. E
STA. 313+93.65 / 15.05' LT.

END BID OPTION
END MILLING
AND RESURFACING
CONST. 69TH ST. E
STA. 315+46.87



NUMBER	DESCRIPTION	DATE

PROJECT #	SURVEYED	RPH	DATE
6083160			5/2018
SURVEY #	DESIGNED	AJS	DATE
N/A			9/2021
SEC./TWN./RGE	DRAWN	AJS	DATE
28/33S/18E			9/2021
SCALE	CHECKED	DHC	DATE
1" = 50'			9/2021

DEBORAH HERNANDEZ-CEDENO, P.E.
P.E. LICENSE NUMBER 74754
KISINGER CAMPO & ASSOCIATES CORP.
201 N. FRANKLIN STREET
SUITE 400
TAMPA, FL 33602



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

69TH STREET EAST
INTERSECTION IMPROVEMENTS
UTILITY ADJUSTMENT SHEETS

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

SUMMARY OF VERIFIED VERTICAL AND HORIZONTAL UTILITIES

Vvh No.	TEST HOLE DATE	UTILITY DESCRIPTION		UTILITY LOCATION INFORMATION					HUB ELEVATION	UTILITY COVER	TOP OF UTILITY ELEVATION
		UTILITY OWNER	SIZE - MATERIAL - TYPE	NORTHING	EASTING	ALIGNMENT	STATION	OFFSET			
3	7/20/2022		N.U.F. EXPLORATORY	1178058.53	490460.45	℞ CONST. 69TH ST. E	309+44.30	36.50 RT.		N/A	
4	7/20/2022		N.U.F. EXPLORATORY	1178060.52	490456.91	℞ CONST. 69TH ST. E	309+40.77	34.49 RT.		N/A	
5	7/20/2022		N.U.F. EXPLORATORY	1178064.35	490458.96	℞ CONST. 69TH ST. E	309+42.85	30.67 RT.		N/A	
6	7/20/2022		N.U.F. EXPLORATORY	1178062.19	490462.53	℞ CONST. 69TH ST. E	309+46.40	32.86 RT.		N/A	
7	7/20/2022		N.U.F. EXPLORATORY	1178061.70	490459.57	℞ CONST. 69TH ST. E	309+43.45	33.32 RT.		N/A	
8	7/20/2022	MANATEE COUNTY	10" PVC WATER	1177883.72	490580.49	℞ SURVEY BUFFALO RD.	197+86.26	54.47 RT.	28.74'	4.13'	24.61'
9	7/20/2022	MANATEE COUNTY	12" PVC FM	1178034.03	490575.75	℞ CONST. 69TH ST. E	310+59.40	61.88 RT.	27.14'	4.01'	23.13'
10	7/20/2022	MANATEE COUNTY	10" DIP WATER	1178023.00	490578.04	℞ CONST. 69TH ST. E	310+61.61	72.93 RT.	27.49'	2.99'	24.50'
11	7/22/2022		N.U.F. EXPLORATORY	1178071.22	490619.08	℞ CONST. 69TH ST. E	311+03.02	25.03 RT.		N/A	
12	7/22/2022		N.U.F. EXPLORATORY	1178071.77	490616.11	℞ CONST. 69TH ST. E	311+00.05	24.46 RT.		N/A	
13	7/22/2022		N.U.F. EXPLORATORY	1178071.69	490613.00	℞ CONST. 69TH ST. E	310+96.94	24.51 RT.		N/A	
14	7/22/2022		N.U.F. EXPLORATORY	1178075.09	490616.66	℞ CONST. 69TH ST. E	311+00.63	21.14 RT.		N/A	
15	7/22/2022	MANATEE COUNTY	N.F.V. SIZE (DUE TO CONCRETE CAP) DIP WATER	1178069.30	490616.83	℞ CONST. 69TH ST. E	311+00.76	26.94 RT.	26.11'	5.87'	20.24'
16	7/22/2022	MANATEE COUNTY	N.F.V. SIZE (DUE TO WATER & CAVE-INS) DIP WATER	1178075.64	490605.72	℞ CONST. 69TH ST. E	310+89.69	20.51 RT.	26.21'	6.28'	19.93'
17	7/22/2022	SPECTRUM	N.F.V. SIZE, MATERIAL & DEPTH (DUE TO WATER, CAVE-INS & ROCKS) FOC, ED=8'	1178064.84	490589.39	℞ CONST. 69TH ST. E	310+73.29	31.18 RT.		N/A	
18	7/25/2022		N.U.F. EXPLORATORY	1178029.21	490585.86	℞ CONST. 69TH ST. E	310+69.48	66.78 RT.		N/A	
19	7/25/2022		N.U.F. EXPLORATORY	1178029.09	490582.76	℞ CONST. 69TH ST. E	310+66.38	66.88 RT.		N/A	
20	7/25/2022	UNKNOWN	1.50" PVC BE (IRRIGATION)	1178029.16	490585.46	℞ CONST. 69TH ST. E	310+69.08	66.83 RT.	27.74'	1.29'	26.45'
21	7/21/2022		N.U.F. EXPLORATORY	1178139.84	492029.25	℞ CONST. 69TH ST. E	325+13.67	32.76 LT.		N/A	
22	7/21/2022		N.U.F. EXPLORATORY	1178143.16	492028.79	℞ CONST. 69TH ST. E	325+13.24	36.08 LT.		N/A	
23	7/21/2022	FRONTIER	1.50" PE FOC	1178144.15	492028.72	℞ CONST. 69TH ST. E	325+13.18	37.08 LT.	28.08'	3.29'	24.79'
24	7/21/2022		N.U.F. EXPLORATORY	1178177.98	490573.18	℞ CONST. 69TH ST. E	310+57.94	82.08 LT.		N/A	
25	7/21/2022		N.U.F. EXPLORATORY	1178172.08	490572.93	℞ CONST. 69TH ST. E	310+57.64	76.18 LT.		N/A	
26	7/21/2022		N.U.F. EXPLORATORY	1178175.02	490573.13	℞ CONST. 69TH ST. E	310+57.86	79.12 LT.		N/A	
27	7/21/2022	MANATEE COUNTY	16" DIP WATER	1178176.68	490570.38	℞ CONST. 69TH ST. E	310+55.13	80.80 LT.	25.29'	4.66'	20.63'
28	7/22/2022		N.U.F. EXPLORATORY	1178175.10	490570.42	℞ CONST. 69TH ST. E	310+55.16	79.22 LT.		N/A	
29	7/21/2022		N.U.F. EXPLORATORY	1178175.28	490576.09	℞ CONST. 69TH ST. E	310+60.83	79.36 LT.		N/A	
30	7/25/2022		N.U.F. EXPLORATORY	1178783.26	490279.62	℞ CONST. BUFFALO RD.	507+80.89	23.73 LT.		N/A	
31	7/25/2022		N.U.F. EXPLORATORY	1178778.82	490277.31	℞ CONST. BUFFALO RD.	507+80.81	28.73 LT.		N/A	
32	7/25/2022	MANATEE COUNTY	10" DIP WATER	1178051.70	490598.63	℞ CONST. 69TH ST. E	310+82.42	44.39 RT.	27.37'	3.50'	23.87'
33	7/25/2022	FRONTIER	1.75" DB BT	1178138.30	490464.29	℞ CONST. 69TH ST. E	309+48.75	43.23 LT.	25.11'	2.81'	22.30'
34	7/25/2022	FRONTIER	2-1.25" PE FOC	1178138.65	490464.71	℞ CONST. 69TH ST. E	309+49.17	43.58 LT.	25.14'	2.95'	22.19'

NOTES

- (1) UNITS: ALL MEASUREMENTS ARE IN THE U.S. SURVEY FOOT
- (2) HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 ADJUSTMENT OF 2011. (NAD83/2011)
- (3) PROJECTION: FLORIDA STATE PLANE COORDINATE SYSTEM WEST ZONE (FL83E)
- (4) VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- (5) NO UTILITIES FOUND (N.U.F.): "N.U.F." INDICATES THAT NO UTILITY WAS LOCATED BY GPR AND AN EXPLORATORY UTILITY INVESTIGATION WAS PERFORMED WITH VACUUM EXCAVATION TO FIVE FEET BELOW EXISTING GROUND AND BY AIR LANCE TO TEN FEET BELOW EXISTING GROUND UNLESS OTHERWISE NOTED.
- (6) NOT FIELD VERIFIED (N.F.V.): "N.F.V." INDICATES THAT A UTILITY SIZE, MATERIAL, TYPE OR COMBINATION THEREOF, WAS UNABLE TO BE VISUALLY VERIFIED DUE TO FIELD CONDITIONS EXISTING AT THE TIME OF THE UTILITY INVESTIGATION. SUCH FIELD CONDITIONS MAY INCLUDE, BUT NOT LIMITED TO: SOIL OR SURFACE MATERIAL WHICH REQUIRE OTHER THAN NON-INVASIVE EXCAVATION TECHNIQUES, EXISTING GROUND WATER, CAVE-INS, MAINTENANCE OF TRAFFIC (M.O.T.) REQUIRED AREAS, OR OTHER HAZARDOUS CONDITIONS.


ABBREVIATIONS

ACP	ASBESTOS-CEMENT PIPE	DIP	DUCTILE IRON PIPE	N.F.V.	NOT FIELD VERIFIED	SS	SANITARY SEWER
℞	BASELINE	ED	ELECTRONIC DEPTH	No./NO.	NUMBER	STL	STEEL
BE	BURIED ELECTRIC	FOC	FIBER OPTIC CABLE	NPW	NON POTABLE WATER	STS	STORM SEWER
BT	BURIED TELEPHONE	FPID	FLORIDA PROJECT IDENTIFICATION NUMBER	N.U.F.	NO UTILITY FOUND	SL	STREET LIGHT
CATV	CABLE TELEVISION	FM	FORCE MAIN - SANITARY	PE	POLYETHYLENE PIPE	TS	TRAFFIC SIGNAL
CIP	CAST IRON PIPE	HDPE	HIGH DENSITY POLYETHYLENE	PVC	POLYVINYL CHLORIDE PIPE	UNK	UNKNOWN
CMP	CORRUGATED METAL PIPE	ITS	INTELLIGENT TRANSPORTATION SYSTEM	RCP	REINFORCED CONCRETE PIPE	Vvh	VERIFIED VERTICAL ELEVATION & HORIZONTAL LOCATION
DB	DIRECT BURIED	N/A	NOT APPLICABLE				

VERIFIED VERTICAL AND HORIZONTAL UTILITIES (Vvh)

M:\6201601_00_Manatee_County_Transportation_Services\WO 1 - 60th Ave\Segment 3\roadway\UT\ADRD301.dwg [1/10/2023 5:41 PM]

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


NUMBER	DESCRIPTION							DATE	DEBORAH HERNANDEZ-CEDEÑO, P.E. P.E. LICENSE NUMBER 74754 KISINGER CAMPO & ASSOCIATES CORP. 201 N. FRANKLIN STREET SUITE 400 TAMPA, FL 33602				 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	69TH STREET EAST INTERSECTION IMPROVEMENTS UTILITY ADJUSTMENT SHEETS		SHEET NO. 41
	PROJECT #	6083160	SURVEYED	RPH	5/2018											
	SURVEY #	N/A	DESIGNED	AJS	9/2021											
	SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021											
	SCALE	1" = 50'	CHECKED	DHC	9/2021											

M:\6201601.00_Manatee_County_Transportation_Services\WD 1 - 60th Ave\Segment 3\roadway\SUMQRD301.dwg [1/10/2023 5:41 PM]

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA. TO STA.	SIDE	SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
		0104 10 3		0104 11		0104 15		0104 18			
		LF		LF		EA		EA			
P	F	P	F	P	F	P	F	P	F		
197+21.54 TO 311+00.00	RT	255.0									
314+80.00 TO 314+80.00	LT	21.0								BID OPTION ONLY	
310+57.51 TO 314+05.83	LT	379.3								BID OPTION ONLY	
311+00.00 TO 315+50.00	RT	452.0								BID OPTION ONLY	
502+48.86 TO 506+99.51	LT	482.0								SMF 1	
506+99.51 TO 506+60.03	LT			86.8						SMF 1	
197+17.65 TO 508+25.00	LT/RT					2				SOIL TRACKING PREVENTION DEVICES WILL BE LOCATED AT CONTRACTOR'S DISCRETION.	
500+70.00	LT								1	303	
500+50.00	RT								1	308- NOT NEEDED IN BID OPTION	
502+30.00	RT								1	310	
505+20.00	LT								1	314	
508+80.00	LT								1		
509+10.00	RT								1		
NON-BID OPTION TOTAL :		737		87		2			6		
TOTAL :		1589		87		2			5		

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

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	RPH	5/2018	CURTIS A. SPRUNGER P.E. P.E. LICENSE NUMBER 66524 KISINGER CAMPO & ASSOCIATES CORP. 201 N. FRANKLIN ST. STE 400 TAMPA, FL 33602	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	69TH STREET EAST INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES (2)	SHEET NO. SQ-2
			SURVEY #	N/A	DESIGNED	AJS	9/2021				
			SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021				
			SCALE	N.T.S.	CHECKED	DHC	9/2021				


M:\6201601.00_Manatee_County_Transportation_Services\WD 1 - 60th Ave Segment 3\roadway\SUMQRD301.dwg [1/10/2023 5:41 PM]

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION		SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL						MOWING						DESIGN NOTES	CONSTRUCTION REMARKS
	STA. TO STA.					0107 1						0107 2							
						AREA ID	LENGTH	WIDTH	CYCLES	AREA		AREA ID	LENGTH	WIDTH	CYCLES	AREA			
										AC/CYCLE	TOTAL (AC)					AC/CYCLE	TOTAL (AC)		
P	F	P	F																
1-4	196+92.65 TO 199+85.63		RT	120	30	10711			4	0.10	8.80								
1-4	500+76.26 TO 506+36.33		RT	120	30	10712			4	0.38									
1-4	506+56.18 TO 506+98.00		RT	120	30	10713			4	0.03									
1-4	198+28.94 TO 199+77.44		LT	120	30	10714			4	0.09									
1-4	500+21.33 TO 508+50.00		LT	120	30	10715			4	1.60									
1-2 (BID)	310+46.90 TO 315+25.00		LT	30	30	1071B			1	0.27	0.27						BID OPTION		
1-4	197+04.56 TO 199+61.84		RT	120	30							10721		4	0.03	7.92			
	197+01.66 TO 199+83.54		RT	120	30							10722		4	0.09				
	500+76.24 TO 506+34.79		RT	120	30							10723		4	0.26				
	506+63.08 TO 506+98.00		RT	120	30							10724		4	0.01				
	196+92.65 TO 199+40.90		LT/RT	120	30							10725		4	0.09				
	198+28.94 TO 199+77.44		LT	120	30							10726		4	0.05				
	198+28.94 TO 199+59.09		LT	120	30							10727		4	0.01				
	500+23.37 TO 500+57.42		LT	120	30							10728		4	0.01				
	500+49.32 TO 507+34.75		LT	120	30							10729		4	1.43				
1-2 (BID)	310+54.90 TO 314+06.92		LT	30	30							1072B		1	0.11	0.11		BID OPTION	

SUMMARY OF REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
								AREA			LINEAR	EACH	P	F		
								LENGTH	WIDTH	SF/SY/AC						
110-1-1	CLEARING AND GRUBBING	197+17.50 TO 199+42.21	LT/RT	11011			LS			0.10			1/0.99			
		197+23.55 TO 199+87.06	RT	11012			LS			0.13						
		500+50.97 TO 508+25.00	LT/RT	11013			LS			0.72						
		199+42.71 TO 200+50.99	LT	11014			LS			0.01						
		506+39.73 TO 507+21.19	LT	11015			LS			0.03						
		310+46.90 TO 313+93.70	LT/RT	1101B			LS			0.23			1/0.23		BID OPTION	
110-4-10	REMOVAL OF EXISTING CONCRETE	197+17.65 TO 199+42.41	LT/RT	11041			SY			48			260	CURB		
		197+30.43 TO 199+85.63	RT	11042			SY			69				CURB		
		197+41.33 TO 199+74.99	RT	11043			SY			142				SIDEWALK		
		199+48.69 TO 199+65.96	LT	11044			SY			1				SIDEWALK		
		310+46.90 TO 312+87.07	LT	104B1			SY			64			289	CURB (BID OPTION)		
		310+46.90 TO 313+77.64	LT	104B2			SY			225				SIDEWALK (BID OPTION)		

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	RPH	5/2018	DEBORAH HERNANDEZ-CEDEÑO, P.E. P.E. LICENSE NUMBER 74754 KISINGER CAMPO & ASSOCIATES CORP. 201 N. FRANKLIN STREET SUITE 400 TAMPA, FL 33602	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	69TH STREET EAST INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES (3)	SHEET NO. SQ-3
			SURVEY #	N/A	DESIGNED	AJS	9/2021				
			SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021				
			SCALE	N.T.S.	CHECKED	DHC	9/2021				


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

M:\6201601.00_Manaatee_County_Transportation_Services\WD 1 - 60th Ave\Segment 3\roadway\SUMQRD301.dwg [1/10/2023 5:41 PM]

SUMMARY OF EARTHWORK					
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
120-1	REGULAR EXCAVATION	1033			
		151		BID OPTION	
120-4	SUBSOIL EXCAVATION	540			
120-6	EMBANKMENT	1391			
		319		BID OPTION	

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			
160-4	TYPE B STABILIZATION	197+17.65	TO 199+42.19	BUFFALO NB LT		16041			SY	412		3995				
		197+25.42	TO 199+87.06	BUFFALO NB RT		16042			SY	417						
		500+50.97	TO 508+25.00	BUFFALO SB LT		16043			SY	3166						
		310+46.90	TO 313+93.65	BID OPTION RT		1604B			SY	547		547				
285-709	OPTIONAL BASE, BASE GROUP 09	197+17.65	TO 199+42.19	BUFFALO NB LT		28571			SY	334		3422				
		197+28.09	TO 199+87.06	BUFFALO NB RT		28572			SY	319						
		500+50.97	TO 508+25.00	BUFFALO NORTH WIDENING		28573			SY	2769						
		310+46.90	TO 313+93.65	BID OPTION RT		2857B			SY	422		422				
327-70-1	MILLING EXIST. ASPH. PAVT, 1" AVG. DEPTH	196+92.65	TO 508+50.00	MAINLINE		32771			SY	5425		5425				
		310+46.90	TO 315+46.87	BID OPTION		3277B			SY	2652		2652				
334-1-52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22	197+17.65	TO 199+42.19	BUFFALO NB LT		33411			TN	36.8		376.5				
		197+28.09	TO 199+87.06	BUFFALO NB RT		33412			TN	35.1						
		500+50.97	TO 508+25.00	BUFFALO NORTH WIDENING		33413			TN	304.6						
		310+46.58	TO 313+93.65	BID OPTION RT		3341B			TN	46.5		46.5				
337-7-80	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22	196+92.65	TO 508+50.00	MAINLINE		33771			TN	487.0		487.0				
		310+46.90	TO 315+46.87	BID OPTION		3377B			TN	169.1		169.1				

SUMMARY OF UTILITY ADJUSTMENTS											
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STATION				P	F	P	F		
425-6	ADJUST VALVE BOX	197+80.12		RT	EA	1		1			
		310+54.27		LT	EA	1		1		BID OPTION	

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	RPH	5/2018	DEBORAH HERNANDEZ-CEDEÑO, P.E. P.E. LICENSE NUMBER 74754 KISINGER CAMPO & ASSOCIATES CORP. 201 N. FRANKLIN STREET SUITE 400 TAMPA, FL 33602			 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	69TH STREET EAST INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES (4)	SHEET NO.
			SURVEY #	N/A	DESIGNED	AJS	9/2021						
			SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021						
			SCALE	N.T.S.	CHECKED	DHC	9/2021						

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

M:\6201601.00_Manatee_County_Transportation_Services\WD 1 - 60th Ave\Segment 3\roadway\SUMQRD301.dwg [1/10/2023 5:41 PM]

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
		TYPE						LENGTH	P	F	P			
520-2-1	CONCRETE CURB, MANATEE COUNTY TYPE AB MODIFIED	198+53.94 TO 199+33.26	LT		LF	79			79		1081			
		197+17.65 TO 199+33.26	LT/RT		LF	217			217					
		503+03.37 TO 506+73.00	RT		LF	388			388					
		503+03.37 TO 506+73.00	RT		LF	397			397					
520-1-10	CONCRETE CURB & GUTTER, TYPE F	197+30.42 TO 199+85.54	RT		LF	289			289		289			
		310+46.90 TO 313+93.65	LT		LF	376			376		376	BID OPTION		
520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL - VARIABLE WIDTH	500+72.00 TO 503+03.37	RT	52071	SY						60			

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
STA. TO STA.					P	F	P	F	P	F		
197+41.33 TO 199+35.59	RT	52211			140							
310+93.48 TO 313+77.64	LT	5221B			181						BID OPTION	
199+35.59 TO 199+80.52	RT	52221					23					
199+63.23 TO 199+74.83	RT	52222					11					
500+26.62 TO 500+41.39	LT	52223					10					
310+48.90 TO 310+93.48	LT	5222B					54				BID OPTION	
		52721						15				
		52722						11				
		52723						14				
		527B1						8			BID OPTION	
		527B2						8			BID OPTION	
TOTAL					140		44		40			
TOTAL (BID OPTION)					181		54		16			


NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	RPH	5/2018	DEBORAH HERNANDEZ-CEDEÑO, P.E. P.E. LICENSE NUMBER 74754 KISINGER CAMPO & ASSOCIATES CORP. 201 N. FRANKLIN STREET SUITE 400 TAMPA, FL 33602	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	69TH STREET EAST INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES (6)	SHEET NO. SQ-6
			SURVEY #	N/A	DESIGNED	AJS	9/2021				
			SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021				
			SCALE	N.T.S.	CHECKED	DHC	9/2021				

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

M:\6201601.00_Manatee_County_Transportation_Services\WD 1 - 60th Ave\Segment 3\roadway\SUMQRD301.dwg [1/10/2023 5:41 PM]

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		
197+17.50	T0 199+31.93	LT/RT	57011			89			
197+23.55	T0 199+66.61	RT	57012			112			
199+42.71	T0 199+68.51	LT	57013			6			
500+26.25	T0 500+44.89	LT	57014			8			
503+07.02	T0 508+25.00	RT	57015			569			
506+39.73	T0 507+21.19	LT	57016			142			
502+48.14	T0 506+74.38	LT	57017			3880		POND	
310+54.90	T0 313+93.68	LT	5701B			370		BID OPTION	
TOTAL						4806			
TOTAL (BID OPTION)						370			

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

NUMBER	DESCRIPTION	DATE	PROJECT #	6083160	SURVEYED	RPH	5/2018	DEBORAH HERNANDEZ-CEDEÑO, P.E. P.E. LICENSE NUMBER 74754 KISINGER CAMPO & ASSOCIATES CORP. 201 N. FRANKLIN STREET SUITE 400 TAMPA, FL 33602	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208	69TH STREET EAST INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES (7)	SHEET NO. SQ-7
			SURVEY #	N/A	DESIGNED	AJS	9/2021				
			SEC./TWN./RGE	28/33S/18E	DRAWN	AJS	9/2021				
			SCALE	N.T.S.	CHECKED	DHC	9/2021				