CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
LIGHTING PLANS
LANDSCAPE PLANS

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 442123-1-58-01

(FEDERAL FUNDS)

BUCKINGHAM RD AND GUNNERY RD ROUNDABOUT

INDEX OF ROADWAY PLANS

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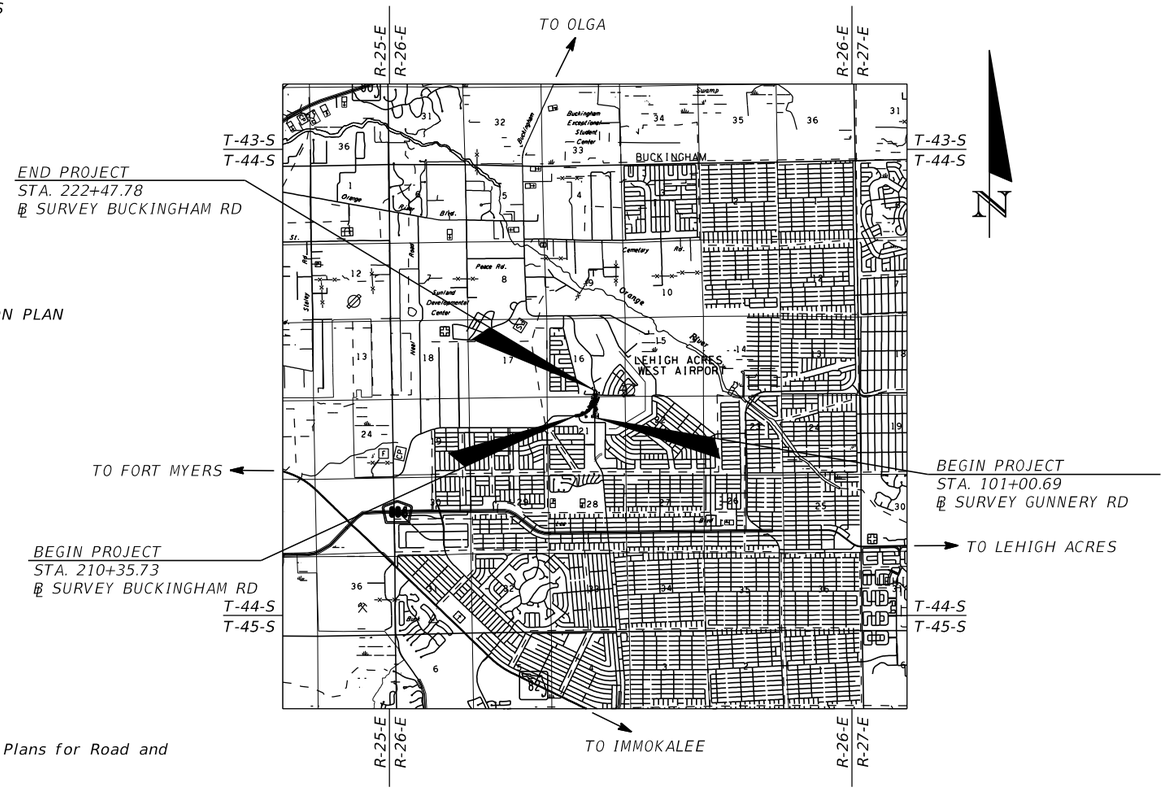
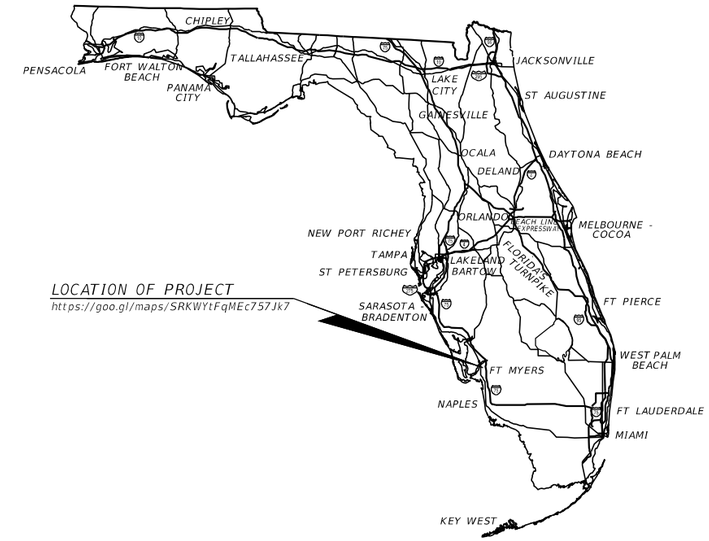
70 - 73	EROSION CONTROL
74 - 98	TEMPORARY TRAFFIC CONTROL
99 - 102	UTILITY ADJUSTMENTS
SQ-1 - SQ-7	SUMMARY OF QUANTITIES





PHASE IV PLANS
03/23/21

ROADWAY PLANS ENGINEER OF RECORD:

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY, SUITE 200
TAMPA, FL 33637
(813) 978-8688

LCDOT PROJECT MANAGER:

ALEJANDRO J. SLAIBE, P.E.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

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

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2020 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

FISCAL YEAR	SHEET NO.
24	1

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JEFFREY SIEWERT
LICENSE
No 39196
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

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.

AYRES ASSOCIATES INC
8875 HIDDEN RIVER PKWY, SUITE 200
TAMPA, FL 33637
JEFFREY SIEWERT, P.E. NO. 39196

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
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SQ-1 - SQ-3,	SUMMARY OF QUANTITIES
SQ-5 - SQ-7	SUMMARY OF QUANTITIES

MATTHEW R. IVIE
LICENSE
No 86205
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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8875 HIDDEN RIVER PKWY, SUITE 200
TAMPA, FL 33637
MATTHEW R. IVIE, P.E. NO. 86205

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12	SUMMARY OF DRAINAGE STRUCTURES
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70 - 71	EROSION CONTROL
SQ-4	SUMMARY OF QUANTITIES

IVAN F. SOKOLIC
LICENSE
No 64114
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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ON THE DATE ADJACENT TO THE SEAL

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ARDAMAN & ASSOCIATES, INC.
9970 BAVARIA RD
FORT MYERS, FL 33913
IVAN F. SOKOLIC, P.E. NO. 64114

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

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
47	ROADWAY SOIL SURVEY

LEE COUNTY
PROPOSAL SUMMARY OF PAY ITEMS
FPID NO. 442123-1-58-01

SUMMARY OF ROADWAY

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
0101 1	MOBILIZATION	LS	1
0102 1	MAINTENANCE OF TRAFFIC	LS	1
0104 10 3	SEDIMENT BARRIER	LF	4000
0104 18	INLET PROTECTION SYSTEM	EA	26
0107 1	LITTER REMOVAL	AC	49.59
0107 2	MOWING	AC	49.59
0110 1 1	CLEARING & GRUBBING	AC	5.40
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	1296
0120 1	REGULAR EXCAVATION	CY	7954.6
0120 6	EMBANKMENT	CY	708.0
0160 4	TYPE B STABILIZATION	SY	11610
0285701	OPTIONAL BASE, BASE GROUP 01	SY	1174
0285709	OPTIONAL BASE, BASE GROUP 09	SY	8854
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	1530
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	969.8
0337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	953.5
0350 30 13	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 12" DEPTH	SY	243
0425 1311	INLETS, CURB, TYPE P-1, <10'	EA	1
0425 1411	INLETS, CURB TYPE J-1, <10'	EA	1
0425 1521	INLETS, DT BOT, TYPE C,<10'	EA	1
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	6
0425 1611	INLETS, DITCH BOTTOM, TYPE K, <10'	EA	1
0425 1910	INLETS, CLOSED FLUME	EA	5
0430174218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18"SD	LF	8
0430175118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	909
0430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	379
0430982625	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" CD	EA	2
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	1735
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	1734
0520 2 4	CONCRETE CURB, TYPE D	LF	302
0520 2 8	CONCRETE CURB, TYPE RA	LF	352
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	1807
0527 2	DETECTABLE WARNINGS	SF	314
0570 1 2	PERFORMANCE TURF, SOD	SY	14361
0919528	DIRECTIONAL INDICATOR	SF	114

SUMMARY OF SIGNING AND PAVEMENT MARKINGS

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	28
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	12
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	1
0700 1 60	SINGLE POST SIGN, REMOVE	AS	6
0700 2 12	MULTI- POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1
0700 2 50	MULTI- POST SIGN, GROUND MOUNT, RELOCATE	AS	2
0700 2 60	MULTI- POST SIGN, REMOVE	AS	1
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	43
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	31
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION,	GM	0.129
0711 11144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDA	GM	0.032
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	10
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	23
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	217
0711 14123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12" FOR CROSSWALK	LF	412
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	260
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	2
0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	2
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	1.077
0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.092
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	1.015

SUMMARY OF LIGHTING

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	3610
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	14
0639 1 22	ELECTRICAL POWER SERVICE, UNDERGROUND, PURCHASED BYCONTRACTOR FROM POW	AS	1
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	2
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	10113
0715 4 13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATIO,	EA	18
0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1
0715500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	18

SUMMARY OF LANDSCAPING

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
0570 1 2	PREPARED PLANTING SOILDS	CY	1150
0570 1 2	SPADE EDGE	LF	552
0580 1 1	MUHLENBERGIA CAPILLARIS	EA	283
0580 1 2	ZAMIA PUMILA	EA	20
0580 4215	SABAL PALMETTO	EA	16
0580 4223	PHOENIX SYLVESTRIS	EA	6
0580 12 10	PINE BARK MULCH (3" DEPTH)	CY	43

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

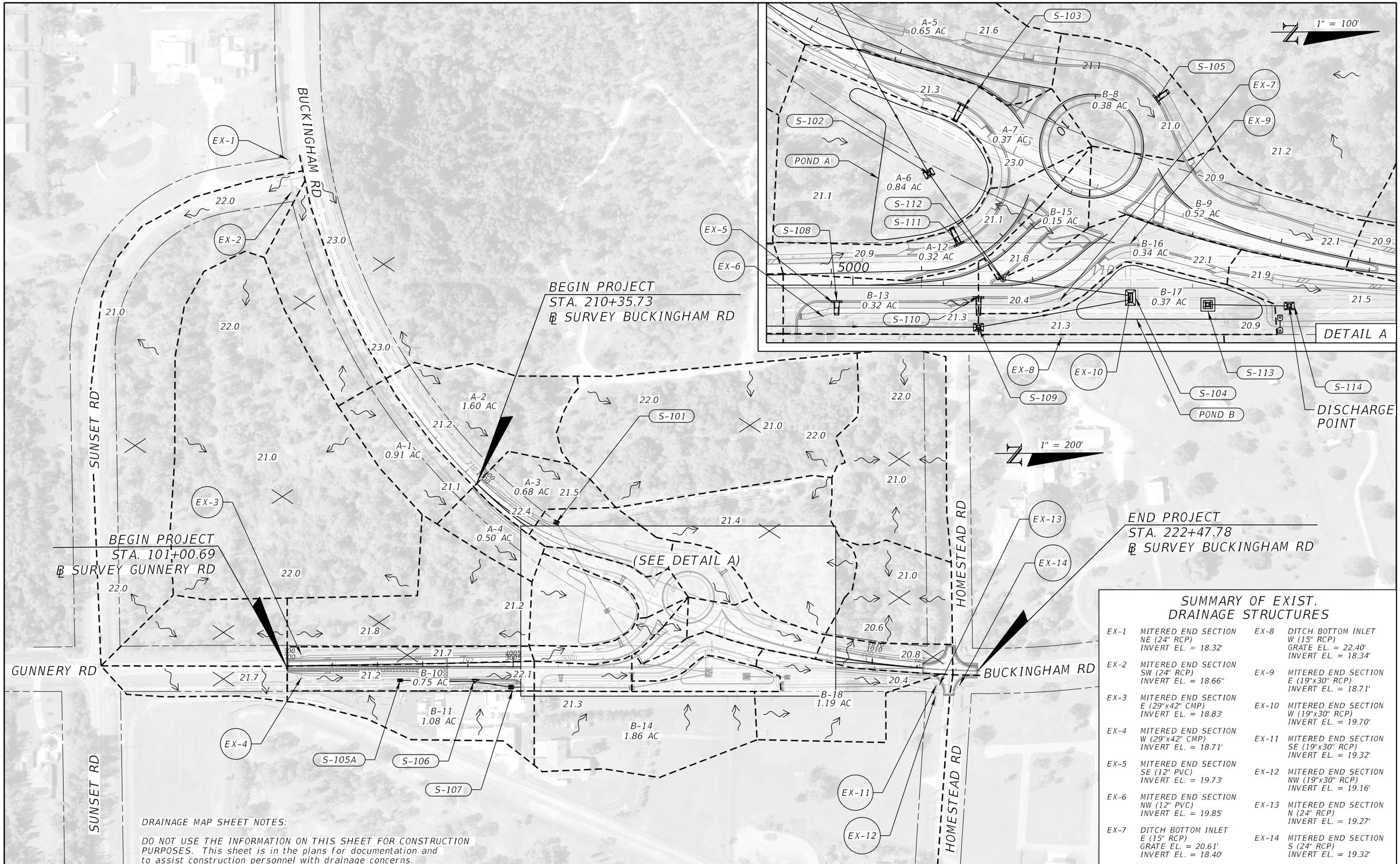
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

SUMMARY OF PAY ITEMS

SHEET NO.
3



DRAINAGE MAP SHEET NOTES:

DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. This sheet is in the plans for documentation and to assist construction personnel with drainage concerns.

SUMMARY OF EXIST. DRAINAGE STRUCTURES

EX-1	MITERED END SECTION NE (24" RCP) INVERT EL. = 18.32'
EX-2	MITERED END SECTION SW (24" RCP) INVERT EL. = 18.66'
EX-3	MITERED END SECTION E (29"x42" CMP) INVERT EL. = 18.83'
EX-4	MITERED END SECTION W (29"x42" CMP) INVERT EL. = 18.71'
EX-5	MITERED END SECTION SE (12" PVC) INVERT EL. = 19.73'
EX-6	MITERED END SECTION NW (12" PVC) INVERT EL. = 19.85'
EX-7	DITCH BOTTOM INLET E (15" RCP) GRATE EL. = 20.61' INVERT EL. = 18.40'
EX-8	DITCH BOTTOM INLET W (15" RCP) GRATE EL. = 22.40' INVERT EL. = 18.34'
EX-9	MITERED END SECTION E (19"x30" RCP) INVERT EL. = 18.71'
EX-10	MITERED END SECTION W (19"x30" RCP) INVERT EL. = 19.70'
EX-11	MITERED END SECTION SE (19"x30" RCP) INVERT EL. = 19.32'
EX-12	MITERED END SECTION NW (19"x30" RCP) INVERT EL. = 19.16'
EX-13	MITERED END SECTION N (24" RCP) INVERT EL. = 19.27'
EX-14	MITERED END SECTION S (24" RCP) INVERT EL. = 19.32'

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

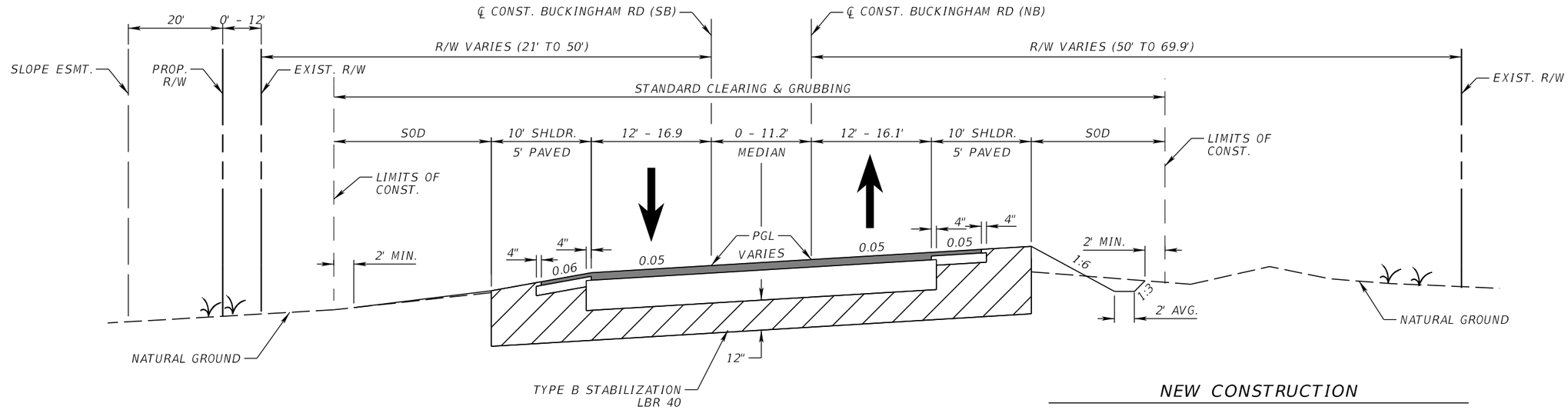
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

DRAINAGE MAP

SHEET NO. 4



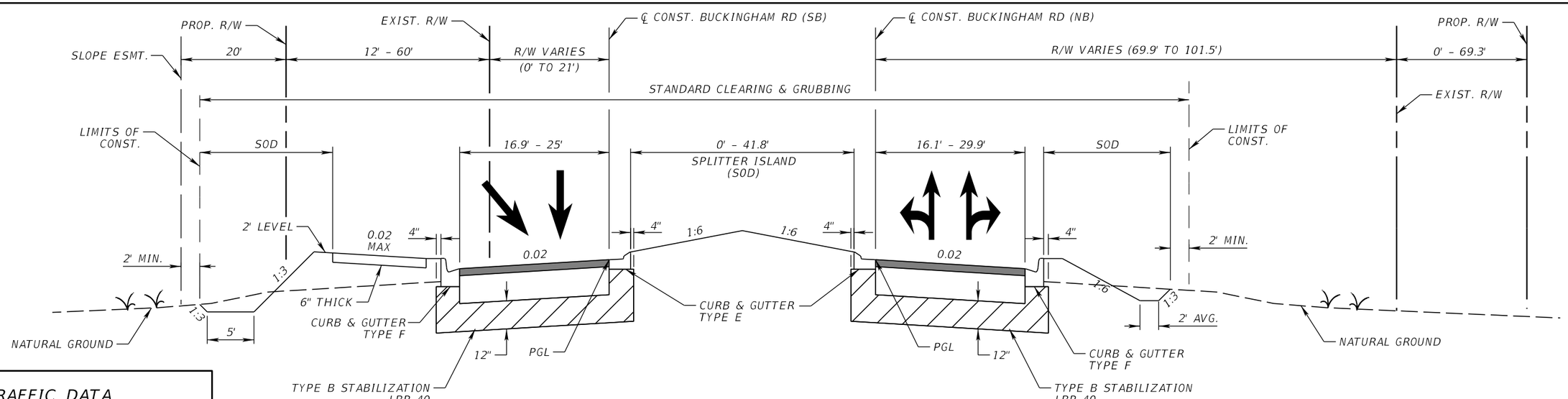
TYPICAL SECTION 1
(BUCKINGHAM RD APPROACHING ROUNDABOUT)
STA. 1000+00.00 TO STA. 1002+59.95

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)



TYPICAL SECTION 2
(BUCKINGHAM RD APPROACHING ROUNDABOUT)
STA. 1002+59.95 TO STA. 1004+66.61

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 11,200
ESTIMATED OPENING YEAR = 2025 AADT = 12,500
ESTIMATED DESIGN YEAR = 2045 AADT = 18,900
K = 9.5% D = 55.7% T = 8.2% (24 HOUR)
DESIGN HOUR T = 4.1%
DESIGN SPEED = 30 - 45 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
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8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TYPICAL SECTIONS (1)

SHEET NO.
5

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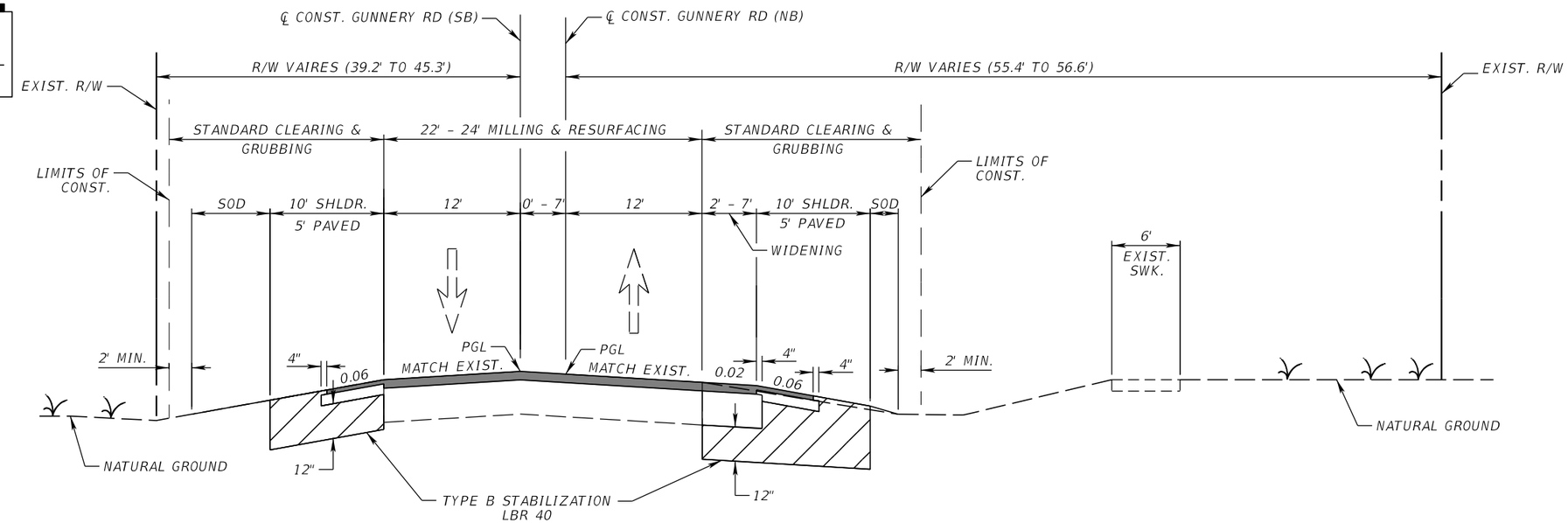
TYPICAL SECTION 3
(GUNNERY RD APPROACHING ROUNDABOUT)
STA. 3000+00.00 TO STA. 3003+54.89

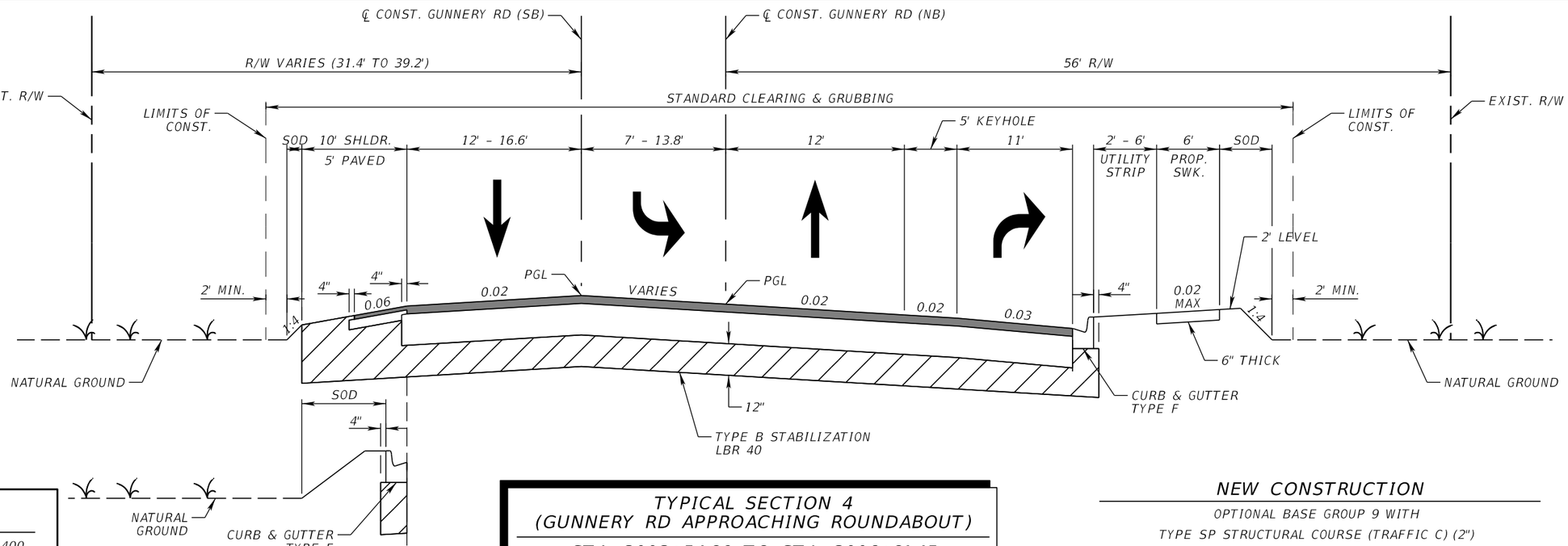
MILLING
MILL EXISTING ASPHALT
PAVEMENT FOR DEPTH (1.5")

RESURFACING
FRICTION COURSE FC-12.5 (1.5") (PG 76-22)

WIDENING
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (1.5") (PG 76-22)

SHOULDER PAVEMENT
OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)





STA. 3005+90.10 TO
STA. 3006+81.45

TYPICAL SECTION 4
(GUNNERY RD APPROACHING ROUNDABOUT)
STA. 3003+54.89 TO STA. 3006+81.45

TRAFFIC DATA
CURRENT YEAR = 2020 AADT = 17,400
ESTIMATED OPENING YEAR = 2025 AADT = 19,300
ESTIMATED DESIGN YEAR = 2045 AADT = 29,200
K = 9.0% D = 53.8% T = 10% (24 HOUR)
DESIGN HOUR T = 5%
DESIGN SPEED = 30 - 45 MPH

NEW CONSTRUCTION
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

SHOULDER PAVEMENT
OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TYPICAL SECTIONS (2)

SHEET NO.
6

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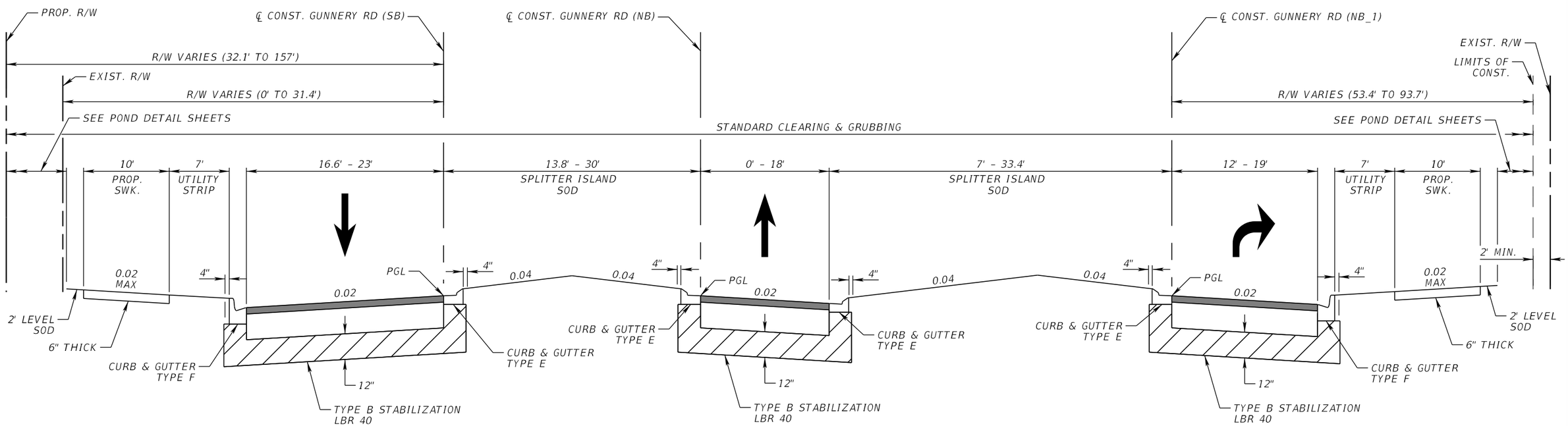

TYPICAL SECTION 5
(GUNNERY RD APPROACHING ROUNDABOUT)

STA. 3006+81.45 TO STA. 3008+66.32

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 17,400
ESTIMATED OPENING YEAR = 2025 AADT = 19,300
ESTIMATED DESIGN YEAR = 2045 AADT = 29,200
K = 9.0% D = 53.8% T = 10% (24 HOUR)
DESIGN HOUR T = 5%
DESIGN SPEED = 30 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TYPICAL SECTIONS (3)

SHEET NO.
7

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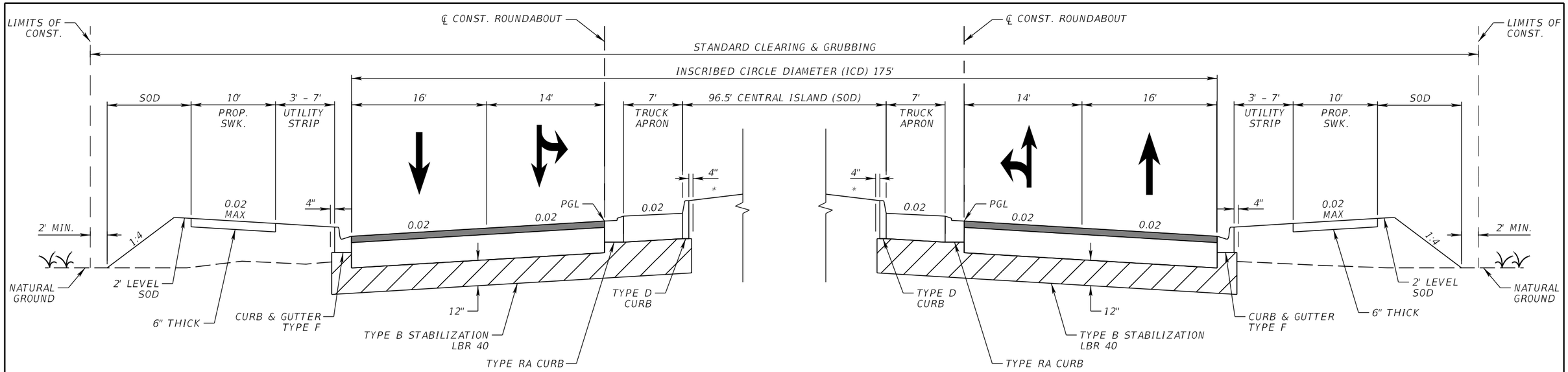


TYPICAL SECTION 6
(BUCKINGHAM RD AT ROUNDABOUT)

STA. 10+13.11 TO 11+53.44
STA. 11+90.10 TO STA. 13+48.15

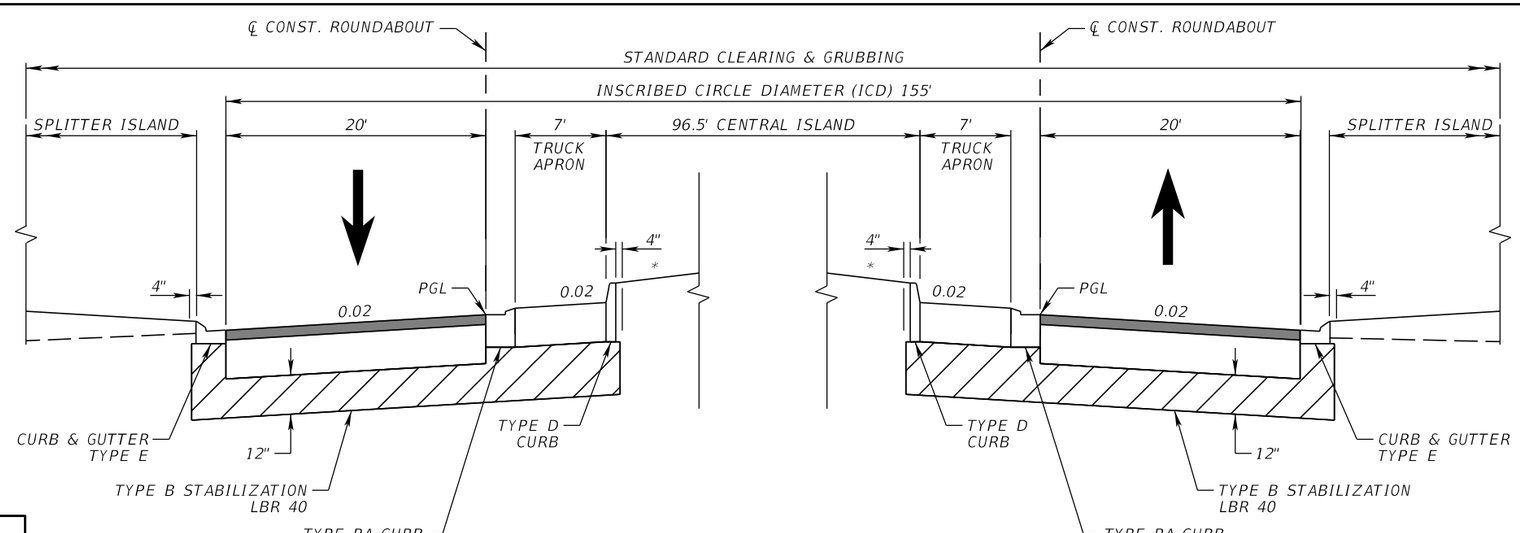
* SLOPE VARIES BETWEEN 1:10 AND 1:6
(SEE INTERSECTION DETAIL SHEET FOR ROUNDABOUT CENTER ELEVATION)

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

TRUCK APRON

CONCRETE PAVEMENT (12")
(AMS-STD-595-21105 RED)



* SLOPE VARIES BETWEEN 1:10 AND 1:6
(SEE INTERSECTION DETAIL SHEET FOR ROUNDABOUT CENTER ELEVATION)

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 17,400
ESTIMATED OPENING YEAR = 2025 AADT = 19,300
ESTIMATED DESIGN YEAR = 2045 AADT = 29,200
K = 9.0% D = 53.8% T = 10% (24 HOUR)
DESIGN HOUR T = 5%
DESIGN SPEED = 30 MPH

TYPICAL SECTION 7
(BUCKINGHAM RD AT ROUNDABOUT)

STA. 10+00.00 TO STA. 10+13.11
STA. 11+53.44 TO STA. 11+90.10
STA. 13+48.15 TO STA. 13+61.26

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

TRUCK APRON

CONCRETE PAVEMENT (12")
(AMS-STD-595-21105 RED)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

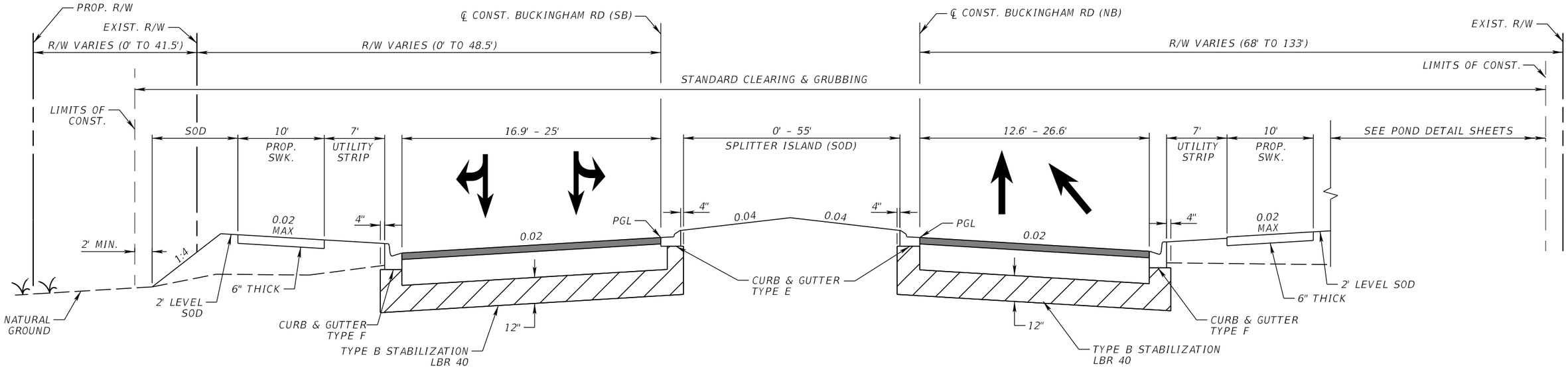
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TYPICAL SECTIONS (4)

SHEET NO.
8

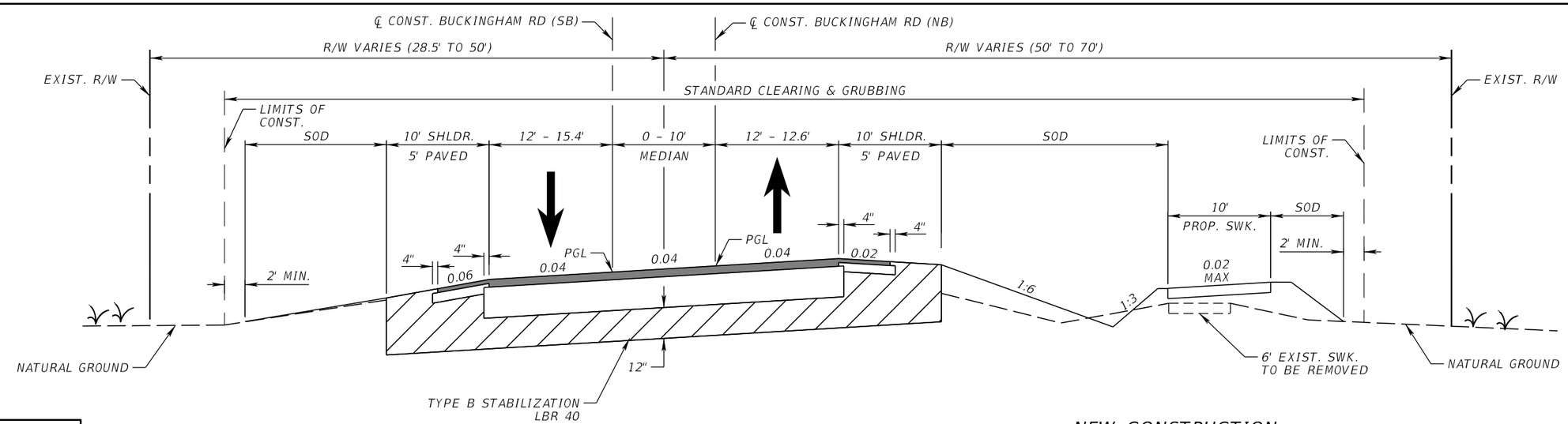
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION 8
(BUCKINGHAM RD DEPARTING ROUNDABOUT)
STA. 1006+13.61 TO STA. 1009+09.75

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)



TYPICAL SECTION 9
(BUCKINGHAM RD DEPARTING ROUNDABOUT)
STA. 1009+09.75 TO STA. 1011+12.02

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 17,400
ESTIMATED OPENING YEAR = 2025 AADT = 19,300
ESTIMATED DESIGN YEAR = 2045 AADT = 29,200
K = 9.0% D = 53.8% T = 10% (24 HOUR)
DESIGN HOUR T = 5%
DESIGN SPEED = 30 - 45 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

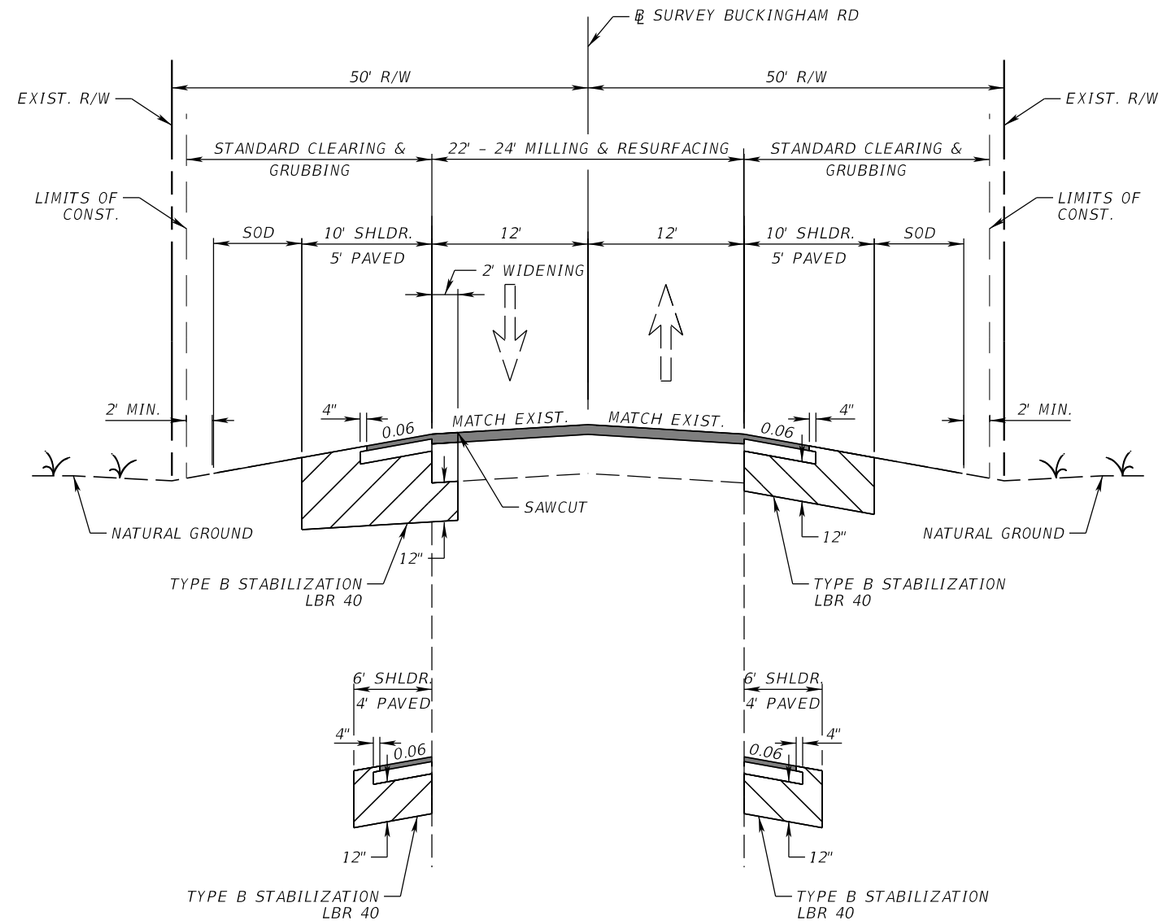
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TYPICAL SECTIONS (5)

SHEET NO.
9

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



TYPICAL SECTION 10
(BUCKINGHAM RD DEPARTING ROUNDABOUT)

STA. 221+25.86 TO STA. 222+47.78

MILLING

MILL EXISTING ASPHALT
PAVEMENT FOR DEPTH (1.5")

RESURFACING

FRICTION COURSE FC-12.5 (1.5") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 17,400
ESTIMATED OPENING YEAR = 2025 AADT = 19,300
ESTIMATED DESIGN YEAR = 2045 AADT = 29,200
K = 9.0% D = 53.8% T = 10% (24 HOUR)
DESIGN HOUR T = 5%
DESIGN SPEED = 45 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

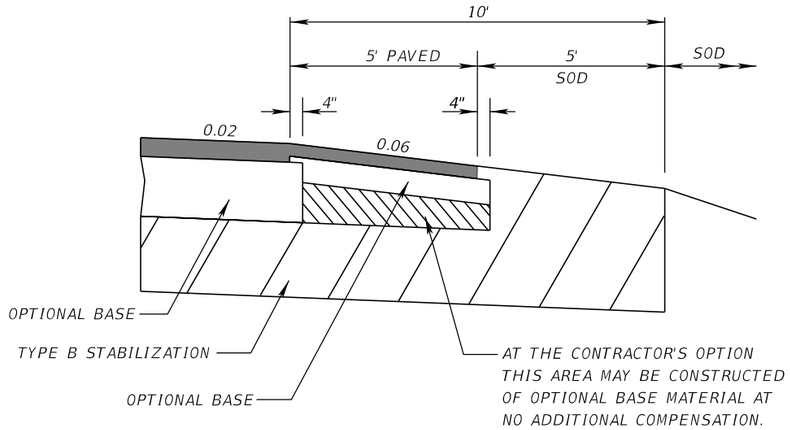
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

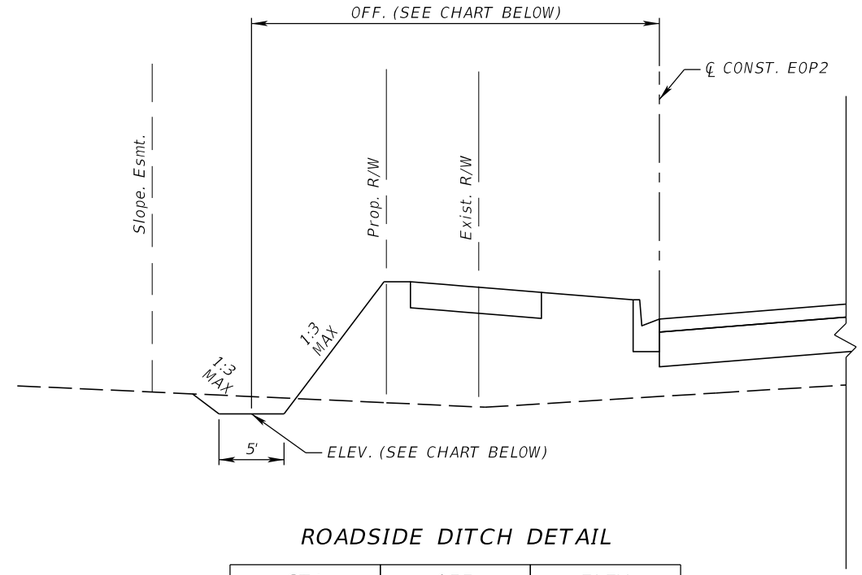
TYPICAL SECTIONS (6)

SHEET NO.
10

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

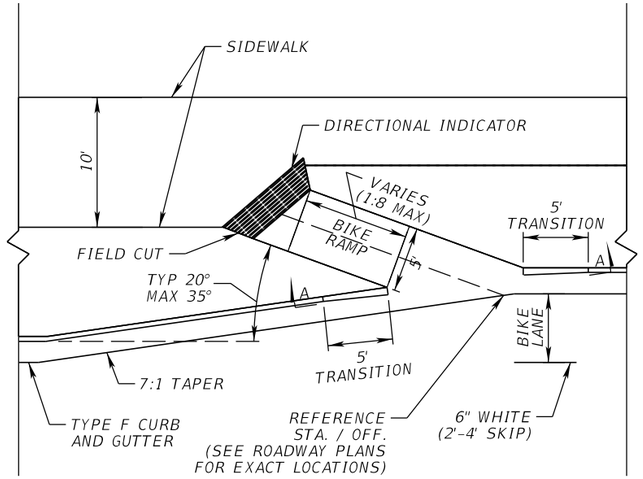


SHOULDER PAVEMENT DETAIL

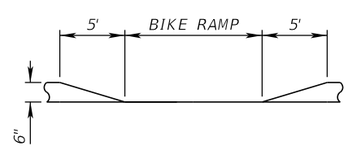


ROADSIDE DITCH DETAIL

STA.	OFF.	ELEV.
400+00.00	23.1'	21.19'
400+50.00	24.9'	21.17'
401+00.00	31.9'	21.15'
401+50.00	32.3'	21.13'
402+00.00	30.9'	21.11'
402+50.00	27.5'	21.08'
403+00.00	28.5'	21.05'
403+50.00	32.5'	21.03'
404+00.00	32.6'	21.01'
404+50.00	32.4'	21.00'
405+00.00	22.0'	20.98'
405+36.40	16.4'	20.96



ANGLED BICYCLE RAMP DETAIL



SECTION A-A

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TYPICAL SECTION DETAILS

SHEET NO.

11

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	STORM SEWER / CROSS DRAIN (RCP CLASS II)		CURB INLETS	DITCH BOTTOM INLETS COT			REMARKS
							TYPE 1	C	D	K	
					18"	30"	<10'	<10'	<10'	<10'	
P	S-101	1002+00.30	LT.	DBI, PIPE	225				1		
F											
P	S-102	1003+69.04	RT.	DBI, PIPE		143			1		
F											
P	S-103	1003+88.61	RT.	CLOSED FLUME INLET (CFI)							
F											
P	S-104	1006+57.24	RT.	DBI						1	
F											
P	S-105	12+50.00	RT.	CFI							
F											
P	S-105A	3002+50.00	RT.	DBI	165			1			
F											
P	S-106	3004+14.97	RT.	INLET, PIPE	82		1				
F											
P	S-107	3004+95.56	RT.	DBI, PIPE	268				1		
F											
P	S-108	3006+05.76	RT.	CFI							
F											
P	S-109	3007+45.99	RT.	DBI, PIPE	169				1		
F											
P	S-110	3007+54.20	RT.	CFI							
F											
P	S-111	3007+54.59	LT.	CFI							
F											
P	S-112	3007+81.84	RT.	INLET, PIPE		146	1				
F											
P	S-113	1007+35.88	RT.	DBI		90			1		
F											
P	S-114	1008+20.00	RT.	DBI					1		
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				Summary:	909	379	2	1	6	1	
				GRAND TOTAL:	909	379	2	1	6	1	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

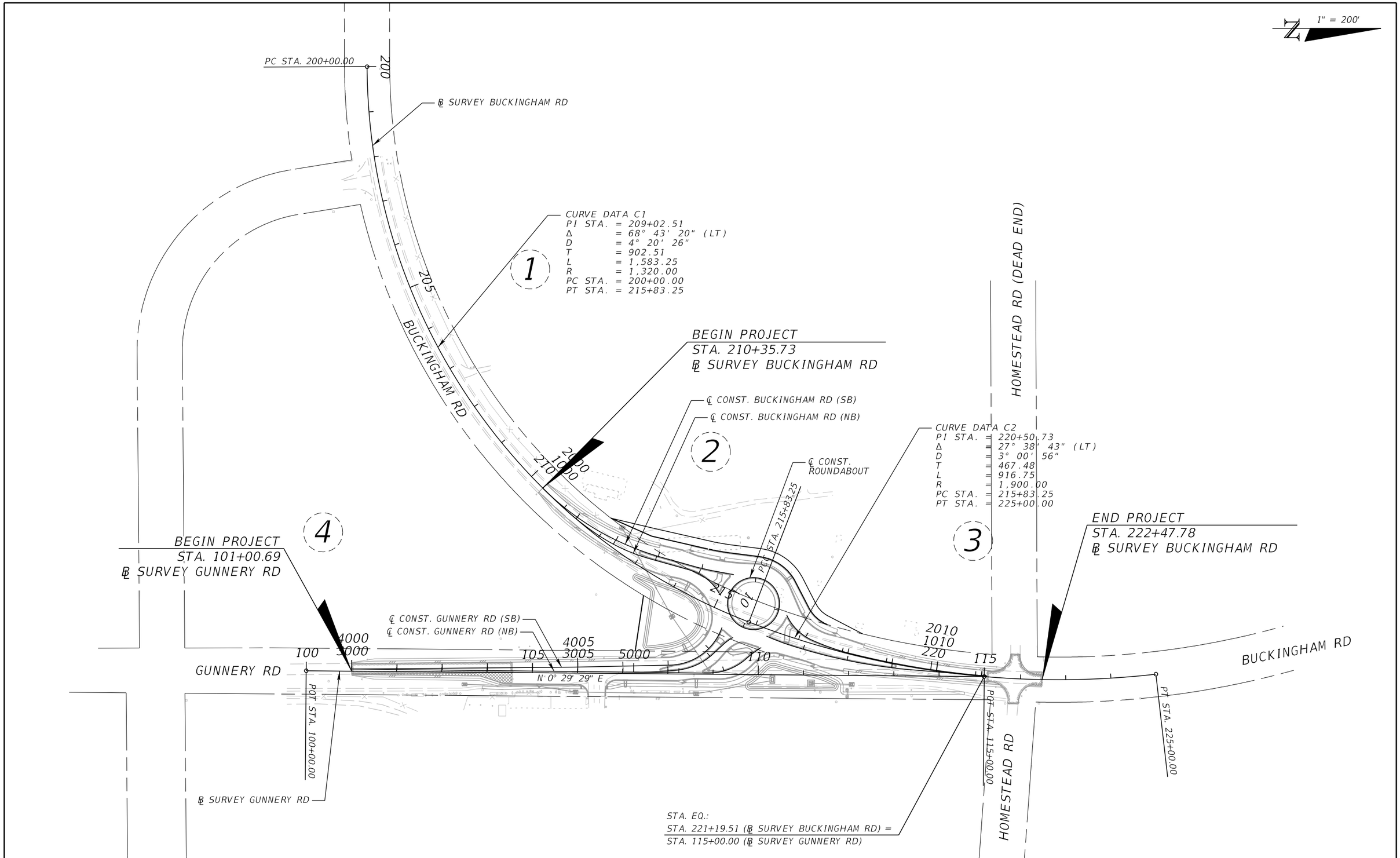
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO.
12



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

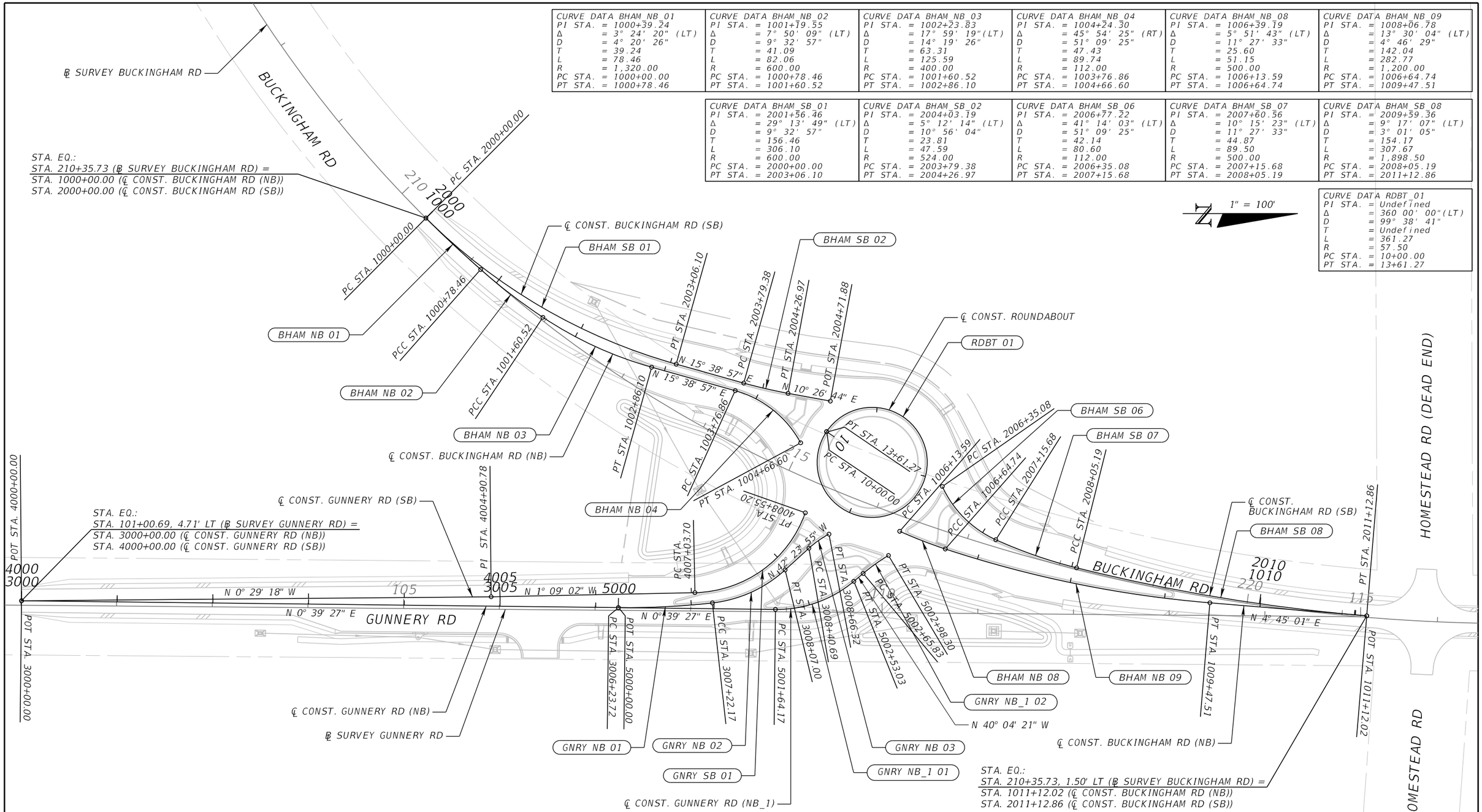
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

PROJECT LAYOUT (1)

SHEET NO.
13



CURVE DATA BHAM_NB_01	CURVE DATA BHAM_NB_02	CURVE DATA BHAM_NB_03	CURVE DATA BHAM_NB_04	CURVE DATA BHAM_NB_08	CURVE DATA BHAM_NB_09
PI STA. = 1000+39.24	PI STA. = 1001+19.55	PI STA. = 1002+23.83	PI STA. = 1004+24.30	PI STA. = 1006+39.19	PI STA. = 1008+06.78
Δ = 3° 24' 20" (LT)	Δ = 7° 50' 09" (LT)	Δ = 17° 59' 19"(LT)	Δ = 45° 54' 25" (RT)	Δ = 5° 51' 43" (LT)	Δ = 13° 30' 04" (LT)
D = 4° 20' 26"	D = 9° 32' 57"	D = 14° 19' 26"	D = 51° 09' 25"	D = 11° 27' 33"	D = 4° 46' 29"
T = 39.24	T = 41.09	T = 63.31	T = 47.43	T = 25.60	T = 142.04
L = 78.46	L = 82.06	L = 125.59	L = 89.74	L = 51.15	L = 282.77
R = 1,320.00	R = 600.00	R = 400.00	R = 112.00	R = 500.00	R = 1,200.00
PC STA. = 1000+00.00	PC STA. = 1000+78.46	PC STA. = 1001+60.52	PC STA. = 1003+76.86	PC STA. = 1006+13.59	PC STA. = 1006+64.74
PT STA. = 1000+78.46	PT STA. = 1001+60.52	PT STA. = 1002+86.10	PT STA. = 1004+66.60	PT STA. = 1006+64.74	PT STA. = 1009+47.51

CURVE DATA BHAM_SB_01	CURVE DATA BHAM_SB_02	CURVE DATA BHAM_SB_06	CURVE DATA BHAM_SB_07	CURVE DATA BHAM_SB_08
PI STA. = 2001+56.46	PI STA. = 2004+03.19	PI STA. = 2006+77.22	PI STA. = 2007+60.56	PI STA. = 2009+59.36
Δ = 29° 13' 49" (LT)	Δ = 5° 12' 14" (LT)	Δ = 41° 14' 03" (LT)	Δ = 10° 15' 23" (LT)	Δ = 9° 17' 07" (LT)
D = 9° 32' 57"	D = 10° 56' 04"	D = 51° 09' 25"	D = 11° 27' 33"	D = 3° 01' 05"
T = 156.46	T = 23.81	T = 42.14	T = 44.87	T = 154.17
L = 306.10	L = 47.59	L = 80.60	L = 89.50	L = 307.67
R = 600.00	R = 524.00	R = 112.00	R = 500.00	R = 1,898.50
PC STA. = 2000+00.00	PC STA. = 2003+79.38	PC STA. = 2006+35.08	PC STA. = 2007+15.68	PC STA. = 2008+05.19
PT STA. = 2003+06.10	PT STA. = 2004+26.97	PT STA. = 2007+15.68	PT STA. = 2008+05.19	PT STA. = 2011+12.86

CURVE DATA RDBT_01
PI STA. = Undefined
Δ = 360 00' 00"(LT)
D = 99° 38' 41"
T = Undefined
L = 361.27
R = 57.50
PC STA. = 10+00.00
PT STA. = 13+61.27

CURVE DATA GNRY_NB_01	CURVE DATA GNRY_NB_02	CURVE DATA GNRY_NB_03
PI STA. = 3006+73.00	PI STA. = 3007+66.04	PI STA. = 3008+53.57
Δ = 7° 03' 04" (LT)	Δ = 36° 00' 18" (LT)	Δ = 14° 40' 49" (RT)
D = 7° 09' 43"	D = 42° 26' 29"	D = 57° 17' 45"
T = 49.29	T = 43.87	T = 12.88
L = 98.45	L = 84.83	L = 25.62
R = 800.00	R = 135.00	R = 100.00
PC STA. = 3006+23.72	PC STA. = 3007+22.17	PC STA. = 3008+40.69
PT STA. = 3007+22.17	PT STA. = 3008+07.00	PT STA. = 3008+66.32

CURVE DATA GNRY_SB_01
PI STA. = 4007+90.33
Δ = 69° 26' 30" (LT)
D = 45° 50' 12"
T = 86.62
L = 151.50
R = 125.00
PC STA. = 4007+03.70
PT STA. = 4008+55.20

CURVE DATA GNRY_NB_1_01	CURVE DATA GNRY_NB_1_02
PI STA. = 5002+10.57	PI STA. = 5002+82.10
Δ = 40° 43' 48" (LT)	Δ = 9° 18' 15" (RT)
D = 45° 50' 12"	D = 28° 38' 52"
T = 46.40	T = 16.27
L = 88.86	L = 32.48
R = 125.00	R = 200.00
PC STA. = 5001+64.17	PC STA. = 5002+65.83
PT STA. = 5002+53.03	PT STA. = 5002+98.30

ALIGNMENT LAYOUT - PROFILE GRADE LINES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

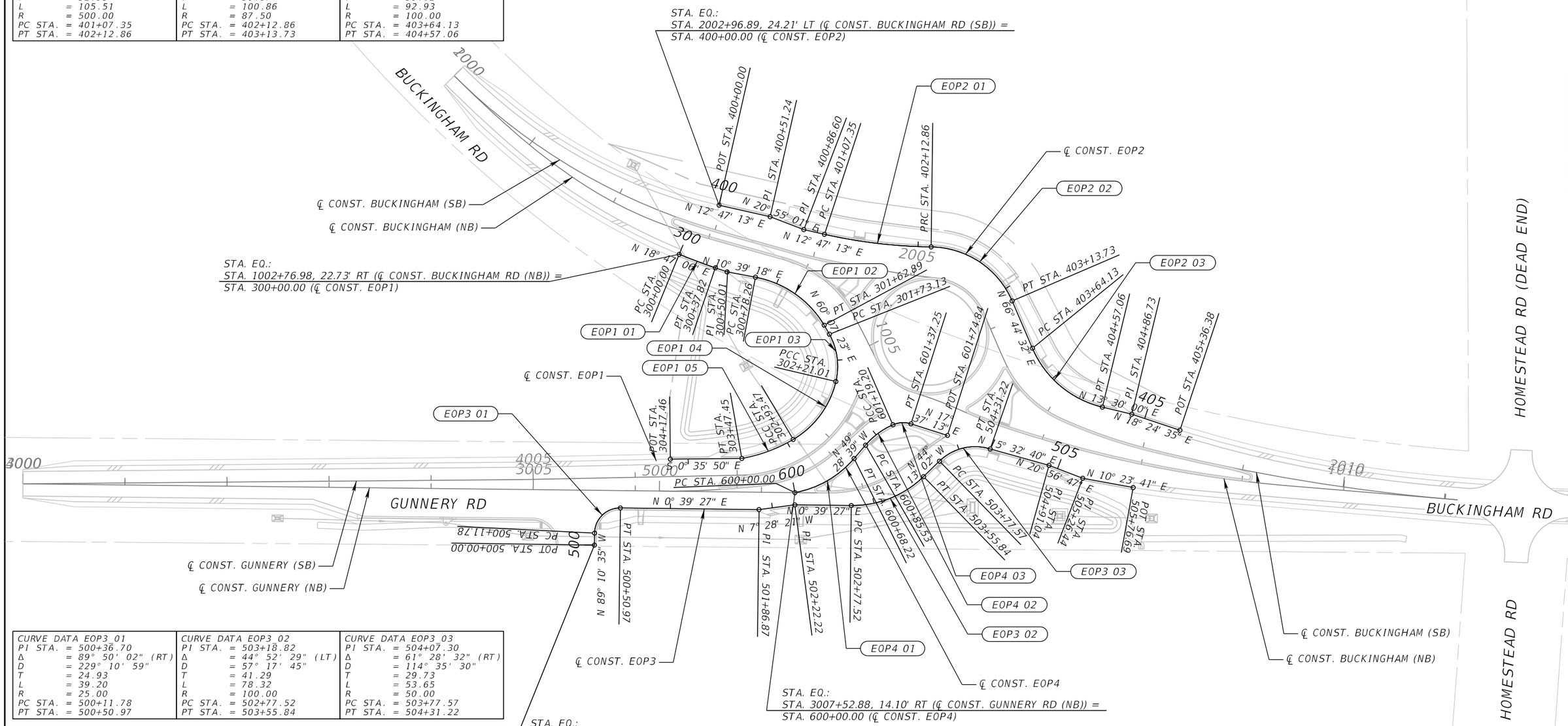
PROJECT LAYOUT (2)

SHEET NO.
14

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

CURVE DATA EOP1_01	CURVE DATA EOP1_02	CURVE DATA EOP1_03	CURVE DATA EOP1_04	CURVE DATA EOP1_05
PI STA. = 300+18.92	PI STA. = 301+23.30	PI STA. = 301+98.21	PI STA. = 302+59.33	PI STA. = 303+20.75
Δ = 3° 30' 43" (LT)	Δ = 48° 29' 26" (RT)	Δ = 42° 12' 14" (RT)	Δ = 46° 07' 50" (RT)	Δ = 20° 37' 09" (RT)
D = 9° 17' 10"	D = 57° 17' 45"	D = 88° 08' 50"	D = 63° 39' 43"	D = 38° 11' 50"
T = 18.92	T = 45.04	T = 25.08	T = 38.32	T = 27.29
L = 37.82	L = 84.63	L = 47.88	L = 72.46	L = 53.98
R = 617.00	R = 100.00	R = 65.00	R = 90.00	R = 150.00
PC STA. = 300+00.00	PC STA. = 300+78.26	PC STA. = 301+73.13	PC STA. = 302+21.01	PC STA. = 302+93.47
PT STA. = 300+37.82	PT STA. = 301+62.89	PT STA. = 302+21.01	PT STA. = 302+93.47	PT STA. = 303+47.45

CURVE DATA EOP2_01	CURVE DATA EOP2_02	CURVE DATA EOP2_03
PI STA. = 401+60.30	PI STA. = 402+69.74	PI STA. = 404+14.25
Δ = 12° 05' 28" (LT)	Δ = 66° 02' 47" (RT)	Δ = 53° 14' 32" (LT)
D = 11° 27' 33"	D = 65° 28' 51"	D = 57° 17' 45"
T = 52.95	T = 56.87	T = 50.12
L = 105.51	L = 100.86	L = 92.93
R = 500.00	R = 87.50	R = 100.00
PC STA. = 401+07.35	PC STA. = 402+12.86	PC STA. = 403+64.13
PT STA. = 402+12.86	PT STA. = 403+13.73	PT STA. = 404+57.06



CURVE DATA EOP3_01	CURVE DATA EOP3_02	CURVE DATA EOP3_03
PI STA. = 500+36.70	PI STA. = 503+18.82	PI STA. = 504+07.30
Δ = 89° 50' 02" (RT)	Δ = 44° 52' 29" (LT)	Δ = 61° 28' 32" (RT)
D = 229° 10' 59"	D = 57° 17' 45"	D = 114° 35' 30"
T = 24.93	T = 41.29	T = 29.73
L = 39.20	L = 78.32	L = 53.65
R = 25.00	R = 100.00	R = 50.00
PC STA. = 500+11.78	PC STA. = 502+77.52	PC STA. = 503+77.57
PT STA. = 500+50.97	PT STA. = 503+55.84	PT STA. = 504+31.22

CURVE DATA EOP4_01	CURVE DATA EOP4_02	CURVE DATA EOP4_03
PI STA. = 600+35.50	PI STA. = 601+02.65	PI STA. = 601+28.64
Δ = 39° 05' 23" (LT)	Δ = 25° 43' 20" (RT)	Δ = 41° 22' 32" (RT)
D = 57° 17' 45"	D = 76° 23' 40"	D = 229° 10' 59"
T = 35.50	T = 17.12	T = 9.44
L = 68.22	L = 33.67	L = 18.05
R = 100.00	R = 75.00	R = 25.00
PC STA. = 600+00.00	PC STA. = 600+85.53	PC STA. = 601+19.20
PT STA. = 600+68.22	PT STA. = 601+19.20	PT STA. = 601+37.25

ALIGNMENT LAYOUT - EOP ALIGNMENTS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

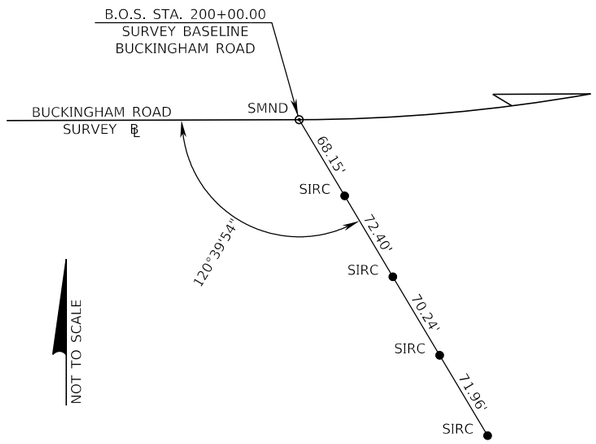
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

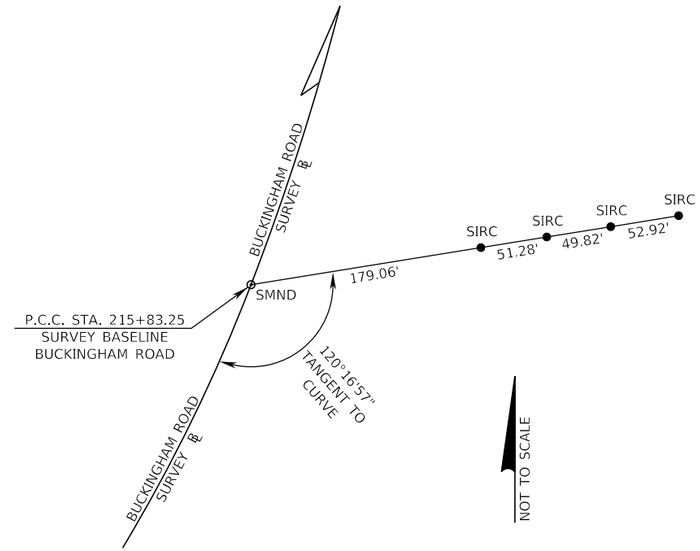
FINANCIAL PROJECT ID
442123-1-58-01

PROJECT LAYOUT (3)

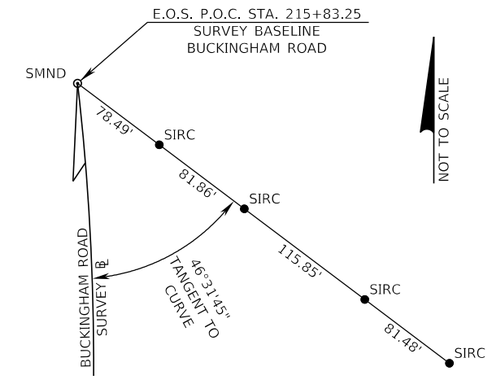
SHEET NO.
15



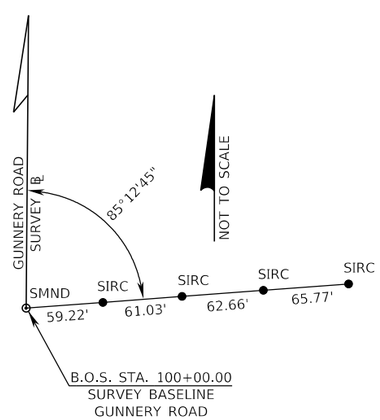
B.O.S. STA. 200+00.00
BUCKINGHAM ROAD



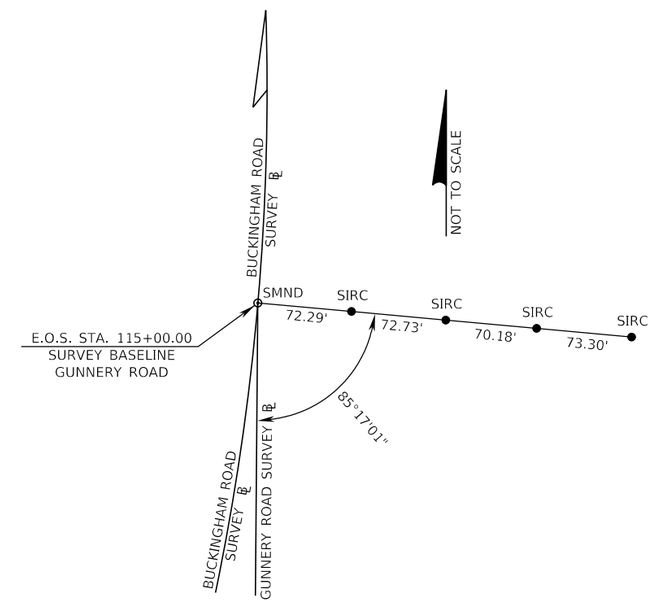
P.C.C. STA. 215+83.25
BUCKINGHAM ROAD



E.O.S. P.O.C. STA. 225+00.00
BUCKINGHAM ROAD



B.O.S. STA. 100+00.00
GUNNERY ROAD



STATION EQUATION
E.O.S. STA. 115+00.00 GUNNERY ROAD =
P.O.C. STA. 221+19.49 BUCKINGHAM RD

LEGEND

℄	= BASELINE
B.O.S.	= BEGINNING OF SURVEY
E.O.S.	= END OF SURVEY
P.O.C.	= POINT ON CURVE
P.C.C.	= POINT OF COMPOUND CURVE
SIRC	= SET 5/8" IRON ROD & CAP LB 3114 REFERENCE
SMND	= SET MAG NAIL & DISK AIM ENG LB 3114
STA.	= STATION

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

PROJECT CONTROL

SHEET NO.
16

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. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN DATUM OF 1988 (NAVD 88). COORDINATE SYSTEM FOR THIS PROJECT SHALL BE BASED ON THE FLORIDA STATE PLAN COORDINATE SYSTEM, FLORIDA WEST ZONE; NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT).

2. 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:
   BOB POTTER, P.S.M.
   P.S.M. NO: 5688
   AIM ENGINEERING & SURVEYING
   2161 FOWLER ST, FORT MYERS, FL 33901

3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, VH, AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

4.

UTILITY/AGENCY OWNERS	COMPANY CONTACT	TELEPHONE NUMBERS
CENTURYLINK	BILL MCCLOUD	(850) 599-1444
COMCAST	LEONARD MAXWELL-NEWBOLD	(754) 221-1254
FLORIDA POWER & LIGHT	JOEL BRAY	(386) 586-6403
CROWN CASTLE	FIBERDIG TEAM	(888) 632-0931 x2
TECO PEOPLES GAS	JOAN DOMNING	(813) 275-3783

5. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:
   CELTIC FESTIVAL
   EDISON FESTIVAL OF LIGHT
   TASTE OF LEE
   FORT MYERS BOAT SHOW

6. THE COST OF SAW CUTTING SHALL BE INCIDENTAL TO THE WORK BEING PERFORMED.

7. ALL PROPOSED WIDENING AND PAVED SHOULDERS SHALL MAINTAIN A 2' MINIMUM WIDTH.

8. ALL CONCRETE SIDEWALK TO BE 6" THICK.

9. ALL LANES MUST BE ABLE TO BE RE-OPENED IN 12 HOURS FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER EMERGENCY EVENTS AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PROJECT ENGINEER.

10. IN ANY EXCAVATION WORK IT SHOULD BE NOTED THAT THE WATER TABLE IS HIGH IN THIS AREA.

11. ALL CONSTRUCTION IN THE COUNTY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CURRENT LEE COUNTY DEPARTMENT TRANSPORTATION STANDARDS. ALL REQUIRED INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY THESE STANDARDS. PROVIDE BOND AND PERMIT FEE AS REQUIRED.

12. CONCRETE SIDEWALK/TRAIL: USE CLASS 1, 3000 PSI (MINIMUM) CONCRETE. APPLY BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 50' ON CENTER.

13. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEVELOPMENT STANDARDS, LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) AND FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2019-20, UNLESS OTHERWISE NOTED.

14. ALL PERVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED, MULCHED OR LANDSCAPED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN IF INCLUDED WITH THIS PLAN SET OR PROVIDED SEPARATELY AS PART OF CONTRACT. EXISTING SOD IS MOSTLY SAINT AUGUSTINE.

15. VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, NOTIFY THE PROJECT ENGINEER AND/OR LCDOT.

16. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH.

17. WATER TABLE SHOWN ON CROSS SECTIONS MAY DIFFER FROM SEASONAL HIGH WATER TABLE (SHWT).

18. APPROPRIATE TURBIDITY CONTROL DEVICES SUCH AS SILT FENCES WILL BE UTILIZED DURING ALL PHASES OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NPDES NOTICE OF INTENT, NOTICE OF TERMINATION, AND LEE COUNTY RIGHT-OF-WAY PERMITS. NOI MUST BE FILED WITH FDEP IN ACCORDANCE WITH DEP DOCUMENT NO. 62-621 AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORMWATER POLLUTION PREVENTION PLAN.

19. ALL EXISTING PIPES THAT ARE TO REMAIN IN SERVICE WITHIN THE RIGHT-OF-WAY CORRIDOR ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED IN THE PLANS.

20. ALL EXISTING DRAINAGE STRUCTURES ARE TO REMAIN UNLESS NOTED ON THE ROADWAY PLANS.

21. MARK THE PROPERTY LINE LOCATION AND NOTIFY BUSINESS/HOME OWNERS TO REMOVE ANY EXISTING LANDSCAPING (I.E. SOD, BUSHES, TREES, ETC.) AND/OR SPRINKLER PIPE OR SPRINKLER HEADS AND FENCING THAT IS LOCATED WITHIN THE EXISTING PUBLIC RIGHT-OF-WAY OR EASEMENT AT LEAST ONE (1) WEEK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

22. NOTIFY RESIDENCES AND BUSINESSES AT LEAST 48 HOURS IN ADVANCE OF ANY DISRUPTION IN SERVICE, INCLUDING DRIVEWAY CUTS.

23. ALL STORM PIPES LOCATED WITHIN THE PROJECT LIMITS ARE TO BE DESILTED PRIOR TO COMPLETION OF PROJECT CONSTRUCTION.

24. COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION MANUAL SHOULD BE ADHERED TO FOR WILDLIFE INVOLVEMENT DURING CONSTRUCTION.

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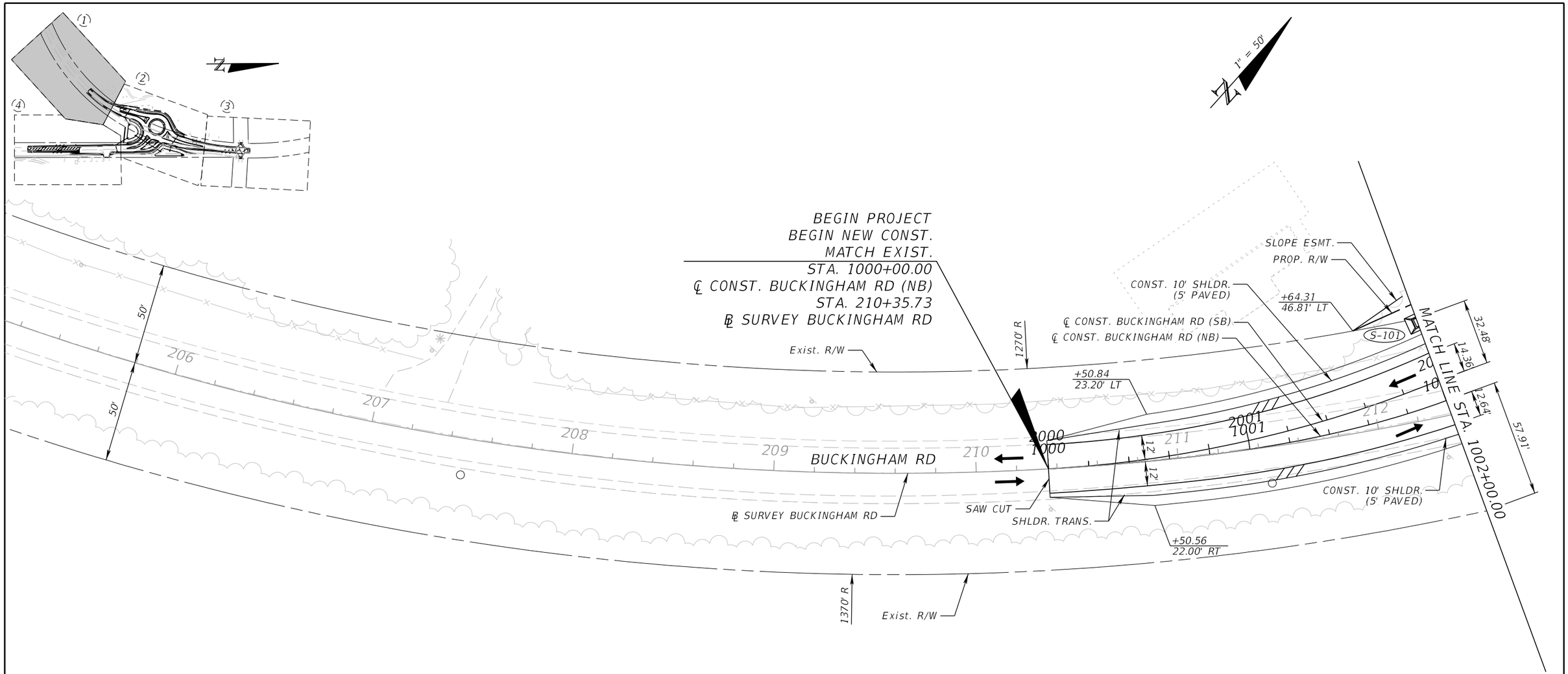

BM 502 SET 4" X 4" CM WITH FDOT
BRASS DISK STAMPED "BM 502"
ELEVATION=22.407'
STATION 202+98.2, 112.6' RT,
N=837843.919 E=747470.000

NOTE:

ALL STA/OFF ARE FROM ℄ CONST. BUCKINGHAM RD (NB)
UNLESS NOTED OTHERWISE.

LEGEND

→ LANE DIRECTION ARROW*

* FOR INFORMATIONAL PURPOSES ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD
ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

ROADWAY PLANS (1)
BUCKINGHAM RD

SHEET NO.
18

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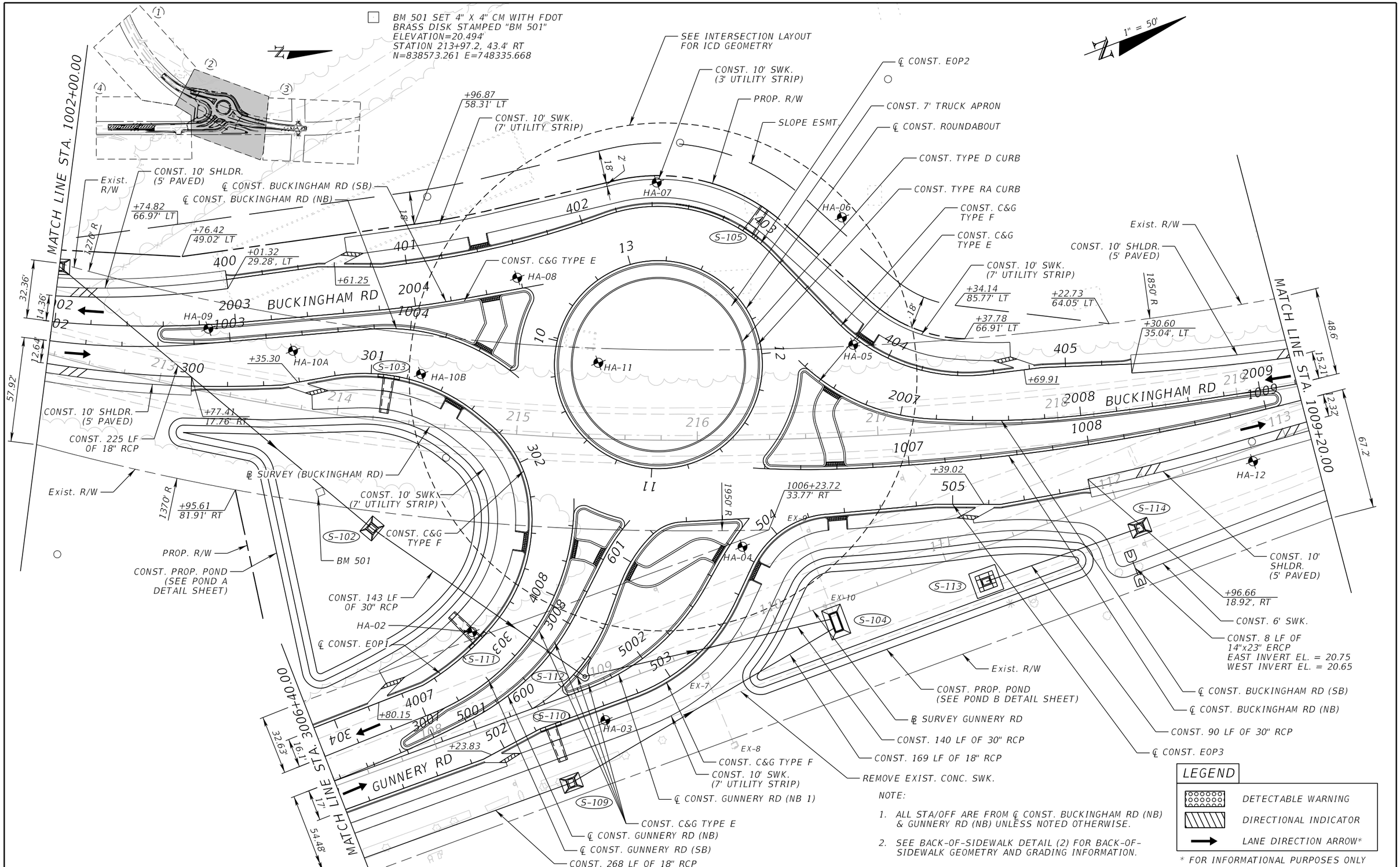

NOTE:

1. ALL STA/OFF ARE FROM ℄ CONST. BUCKINGHAM RD (NB) & GUNNERY RD (NB) UNLESS NOTED OTHERWISE.
2. SEE BACK-OF-SIDEWALK DETAIL (2) FOR BACK-OF-SIDEWALK GEOMETRY AND GRADING INFORMATION.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY, SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

ROADWAY PLANS (2)
BUCKINGHAM RD

SHEET NO.
19

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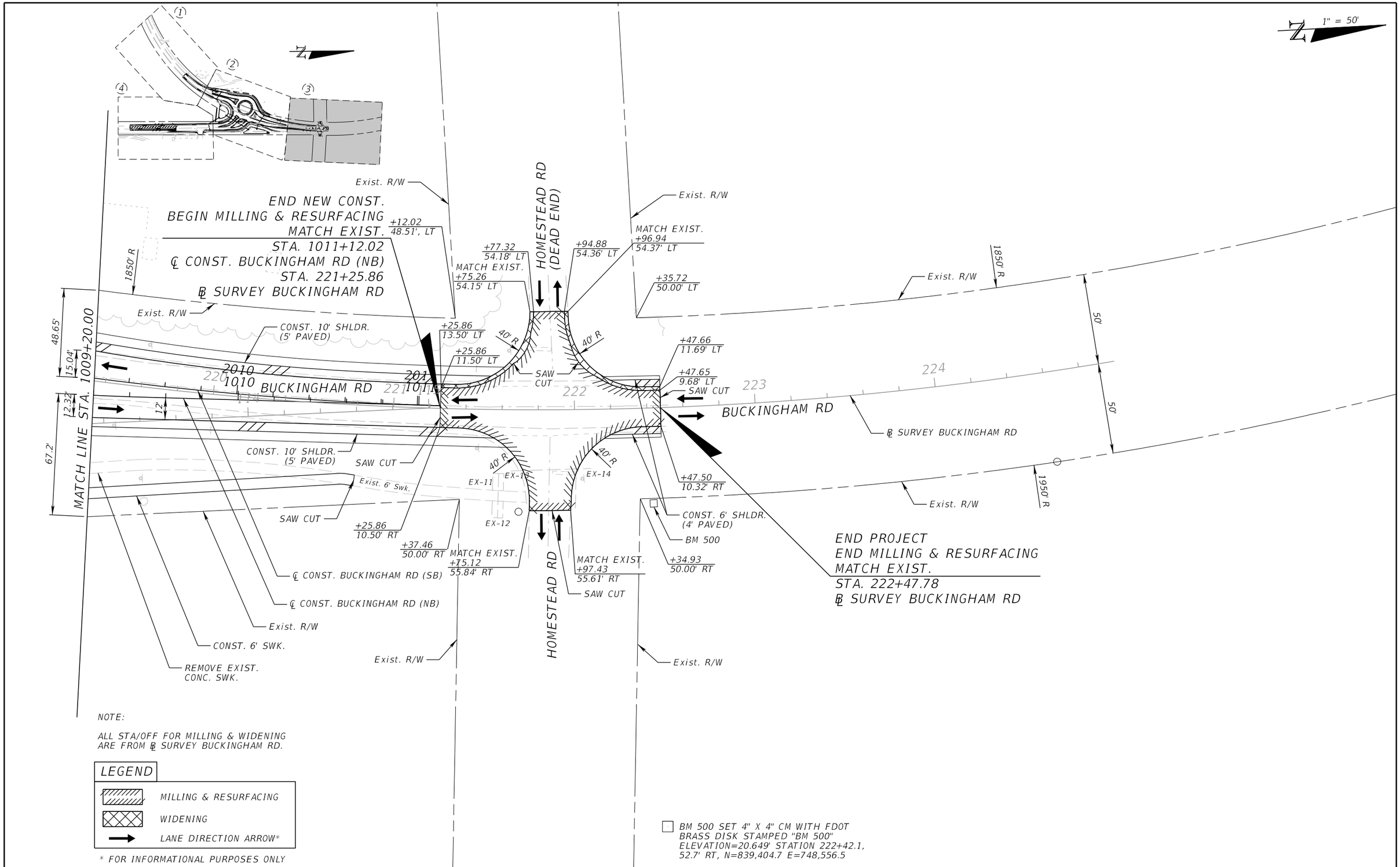

NOTE:

ALL STA/OFF FOR MILLING & WIDENING ARE FROM ℄ SURVEY BUCKINGHAM RD.

LEGEND

- MILLING & RESURFACING
- WIDENING
- LANE DIRECTION ARROW*

* FOR INFORMATIONAL PURPOSES ONLY

BM 500 SET 4" X 4" CM WITH FDOT BRASS DISK STAMPED "BM 500" ELEVATION=20.649' STATION 222+42.1, 52.7' RT, N=839,404.7 E=748,556.5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

ROADWAY PLANS (3)
BUCKINGHAM RD

SHEET NO.

20

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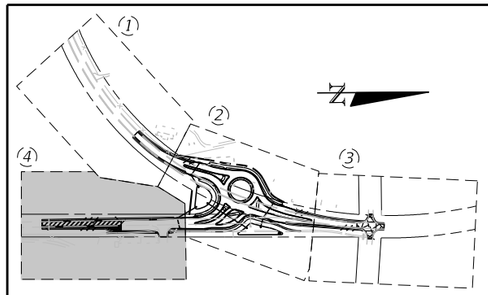

1" = 50'

BEGIN PROJECT
BEGIN MILLING & RESURFACING
BEGIN WIDENING
MATCH EXIST.
STA. 3000+00.00
℄ CONST. GUNNERY RD (NB)
STA. 101+00.69
℄ SURVEY GUNNERY RD

END MILLING & RESURFACING
END WIDENING
BEGIN NEW CONST.
STA. 3003+54.89
℄ CONST. GUNNERY RD (NB)

℄ CONST. GUNNERY RD (SB)
℄ CONST. GUNNERY RD (NB)
℄ SURVEY GUNNERY RD

PROP. R/W
BEGIN C&G TYPE F (FLARED END)
Exist. R/W
+26.73 / 47.10' LT
+34.61 / 26.28' LT
+49.67 / 23.00' LT
CONST. 10' SHLDR. (5' PAVED)
EX-3
+00.00 / 11.96' LT
4000 3000
4001 3001
4002 3002
GUNNERY RD
4003 3003
4004 3004
4005 3005
4006 3006
5000
MATCH LINE STA. 3006+40.00
50'
23.9'
51.9'
32.63'
16.1'
12'
28'
17'
17.17'
54.61'
SAW CUT
+00.12 / 11.89' RT
SHLDR. TRANS.
EX-4
+50.12 / 22.00' RT
CONST. 10' SHLDR. (5' PAVED)
Exist. 6' Swk.
S-105A
HA-01
S-106
CR F
25' R
CR E
S-108
EX-5
EX-6
S-107
5001
5002
+84.01 / 12.00' RT
SAW CUT
BEGIN C&G TYPE F (FLARED END) +28.06, 30.50' RT
CONST. 165 LF OF 18" RCP
CONST. C&G TYPE F
Exist. R/W
REMOVE EXIST. CONC. SWK.
CONST. 82 LF OF 18" RCP
CONST. 6' SWK. (2' UTILITY STRIP)
END C&G TYPE F MATCH EXIST. +23.39, 53.85' RT
CONST. 268 LF OF 18" RCP
REMOVE EXIST. CONC. SWK.
BEGIN C&G TYPE F MATCH EXIST. +62.10, 53.71' RT
CONST. 6' SWK. 6' UTILITY STRIP
SAW CUT

BM 503 SET 4" X 4" CM WITH FDOT BRASS DISK STAMPED "BM 503"
ELEVATION=21.356'
N=837518.193 E=748550.205

LEGEND

- MILLING & RESURFACING
- WIDENING
- DETECTABLE WARNING
- LANE DIRECTION ARROW*

* FOR INFORMATIONAL PURPOSES ONLY

NOTE:

1. ALL STA/OFF ARE FROM ℄ CONST. GUNNERY RD (NB) UNLESS NOTED OTHERWISE.
2. SEE BACK-OF-SIDEWALK DETAIL (1) FOR BACK-OF-SIDEWALK GEOMETRY AND RT TURN-LANE GRADING INFORMATION.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY, SUITE 200
TAMPA, FL 33637

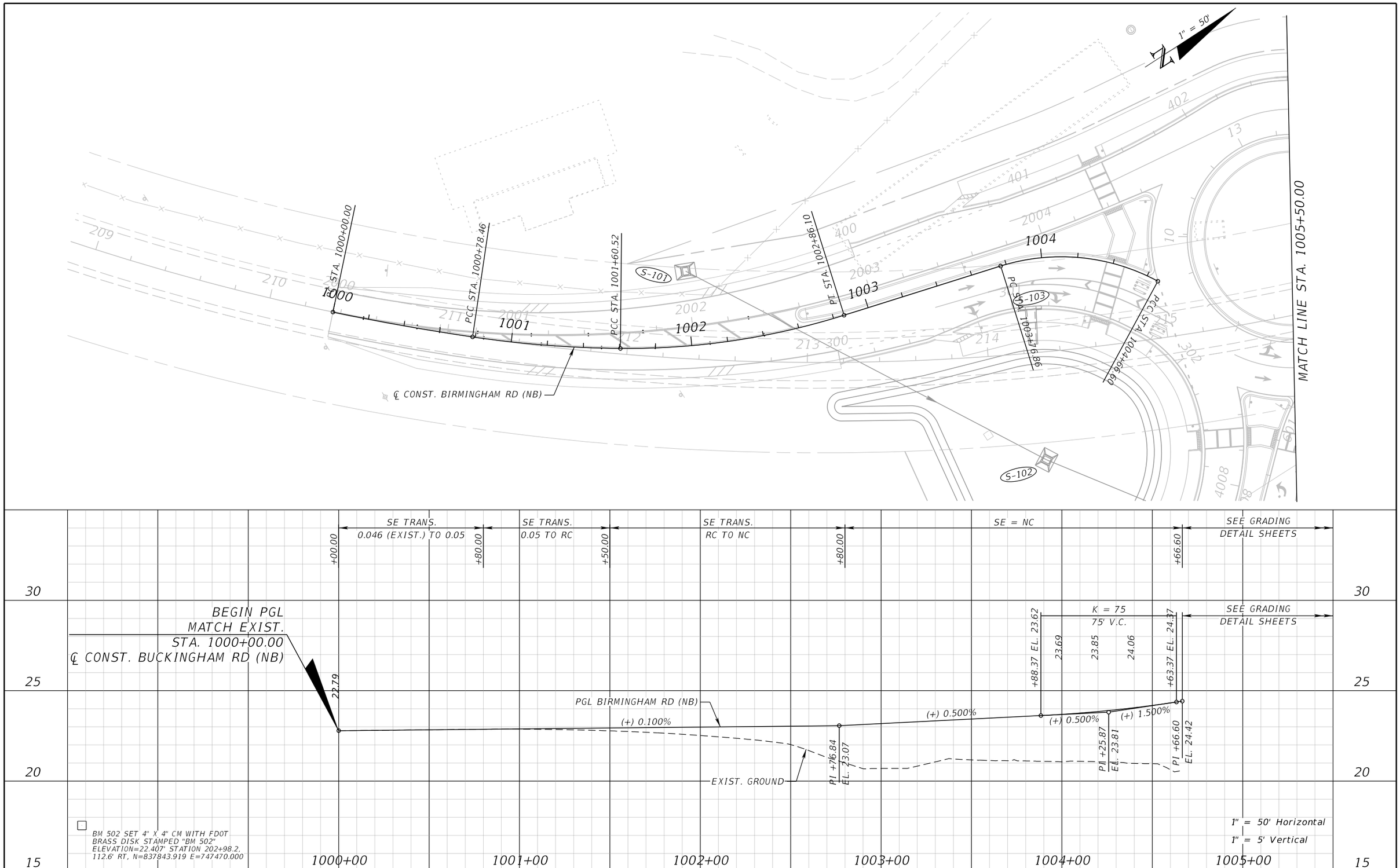
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

ROADWAY PLANS (4)
GUNNERY RD

SHEET NO.
21



REVISIONS			
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JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

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ROADWAY PROFILES (1)
BUCKINGHAM RD (NB)

SHEET NO.

22

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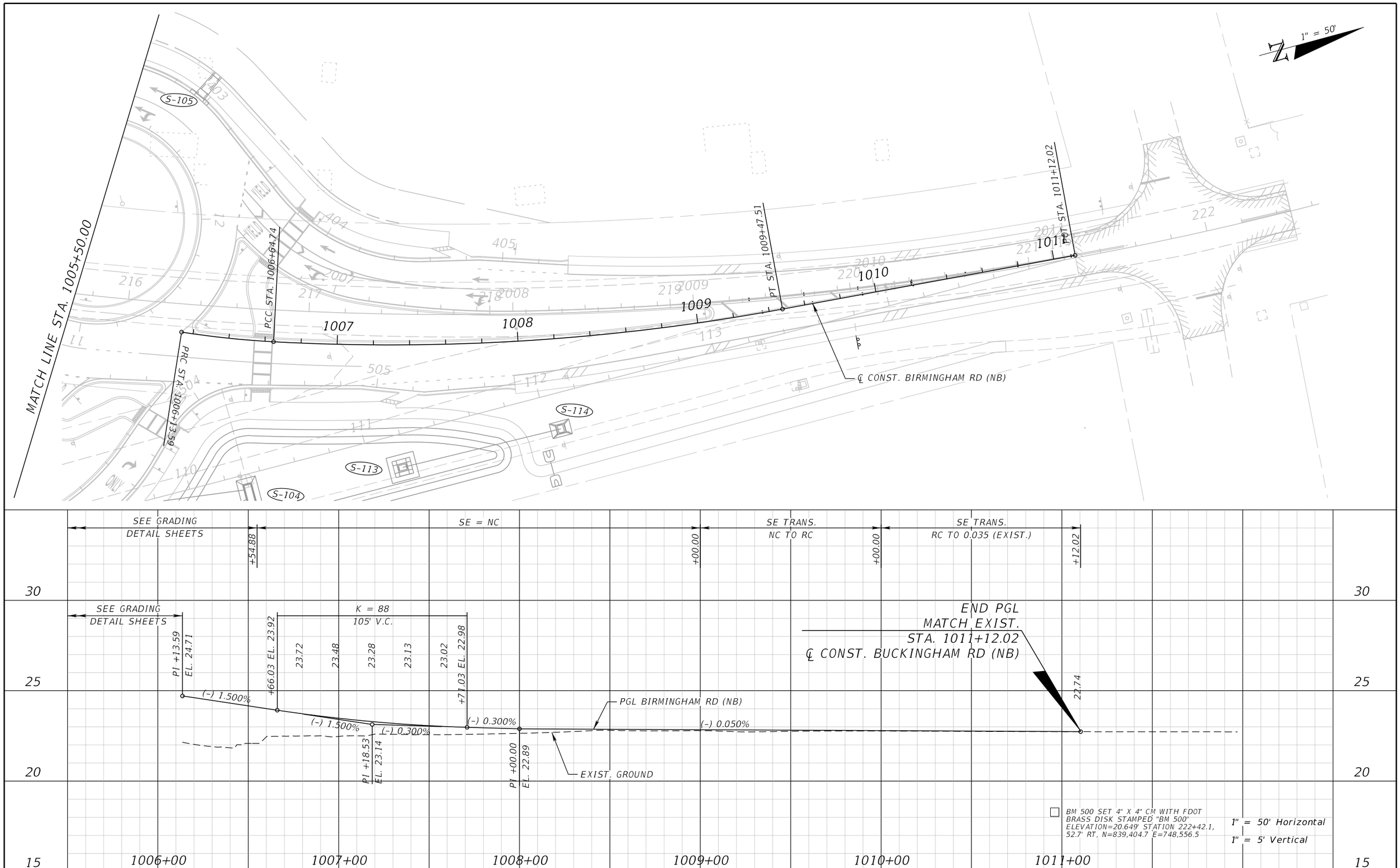

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JEFFREY SIEWERT, P.E.
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AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

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ROADWAY PROFILES (2) BUCKINGHAM RD (NB)

SHEET NO. 23

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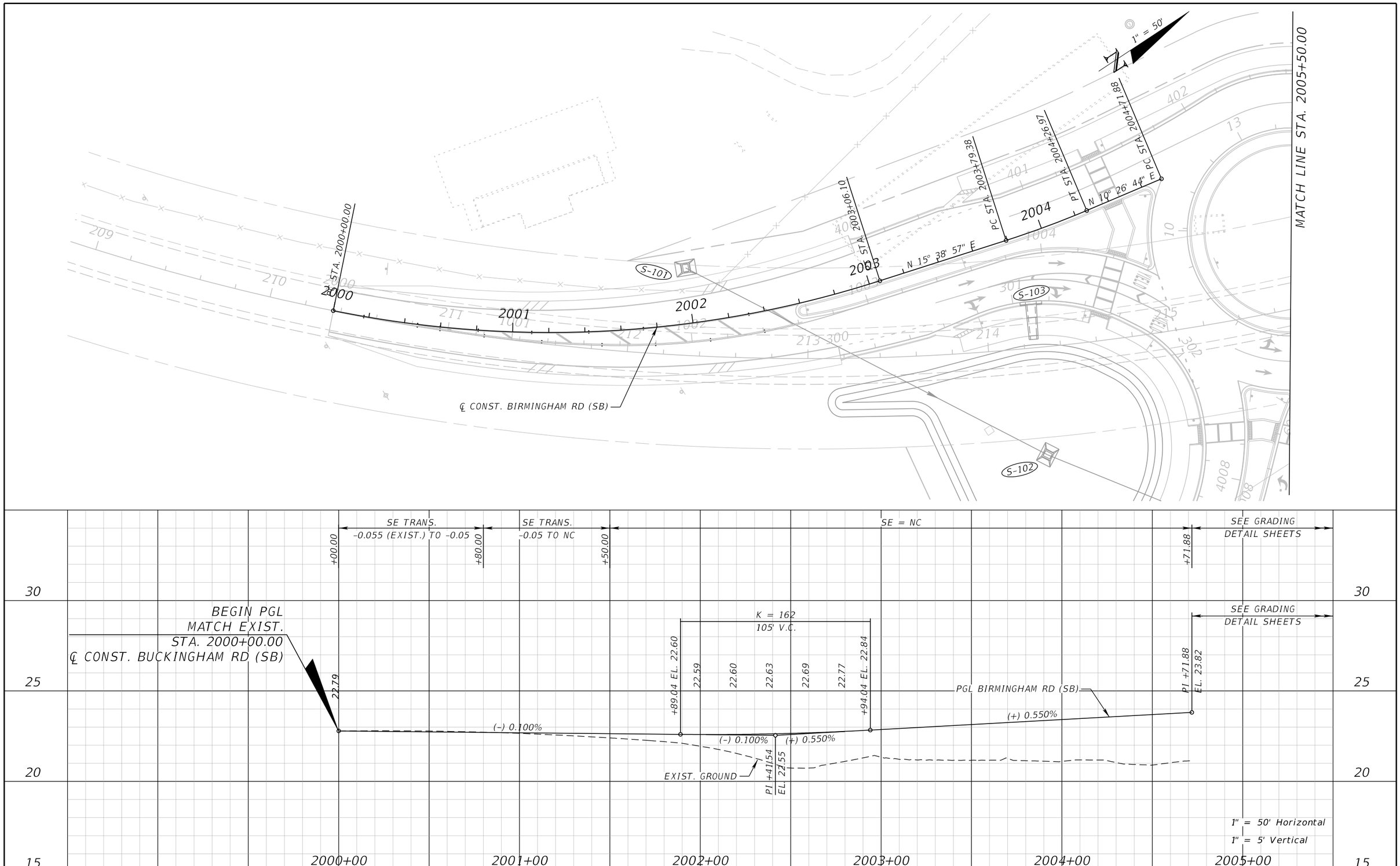

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
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Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

ROADWAY PROFILES (3) BUCKINGHAM RD (SB)

SHEET NO.
24

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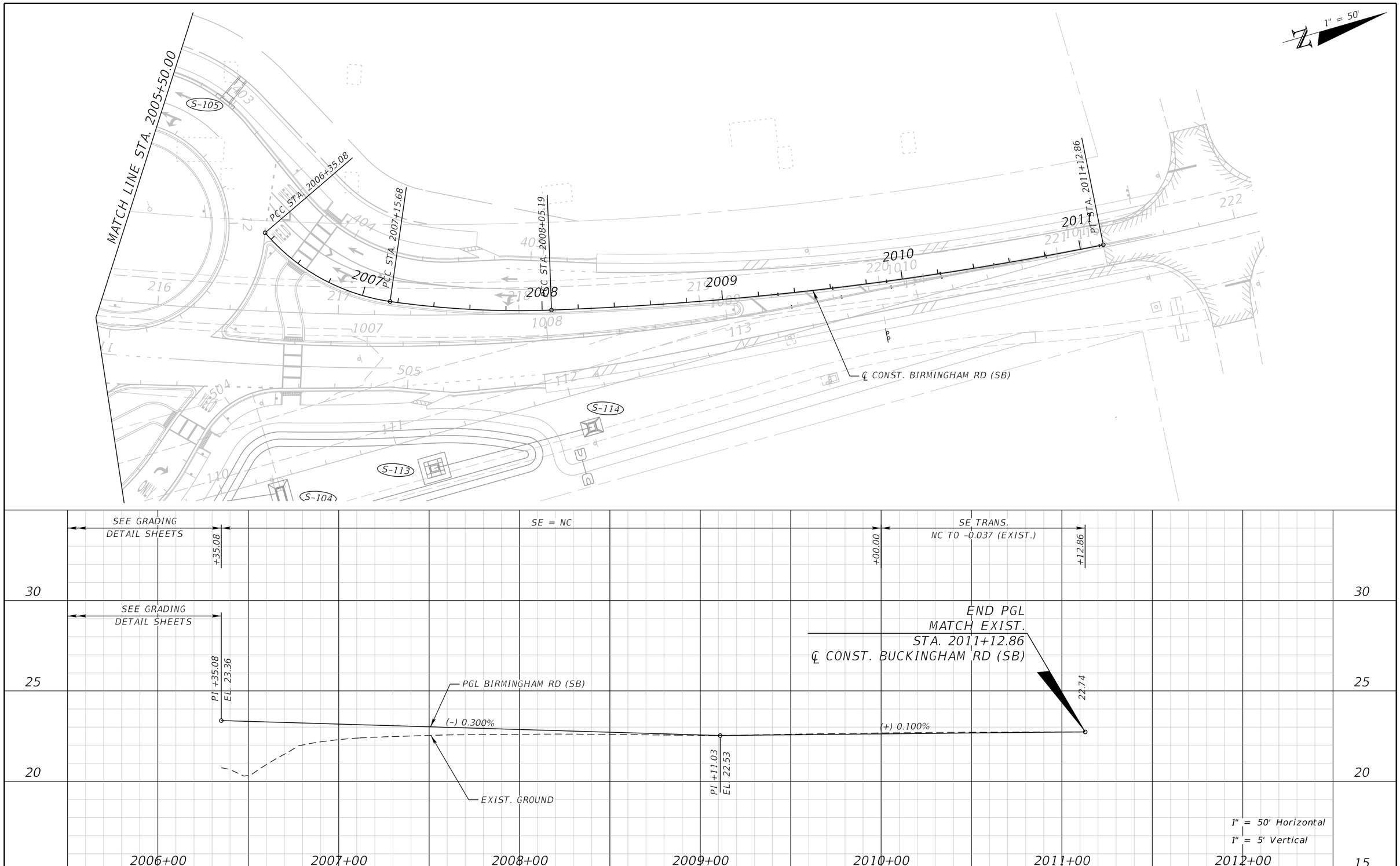

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

ROADWAY PROFILES (4)
BUCKINGHAM RD (SB)

SHEET NO.
25

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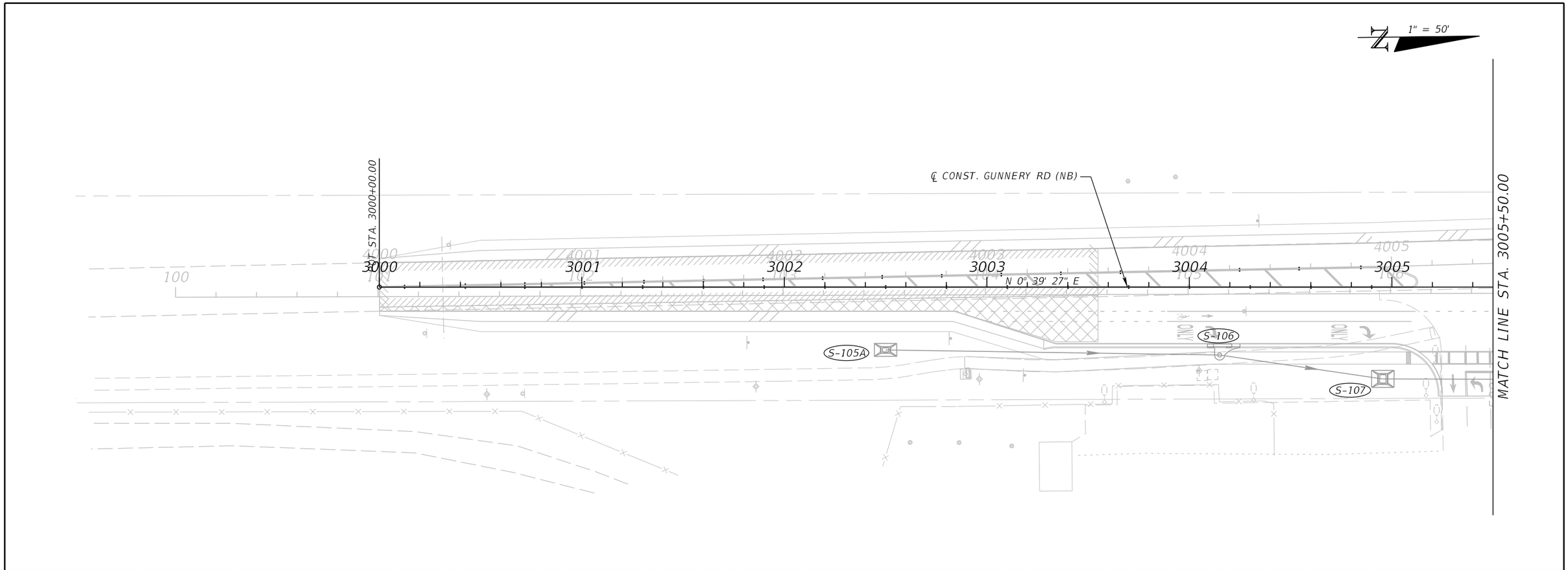

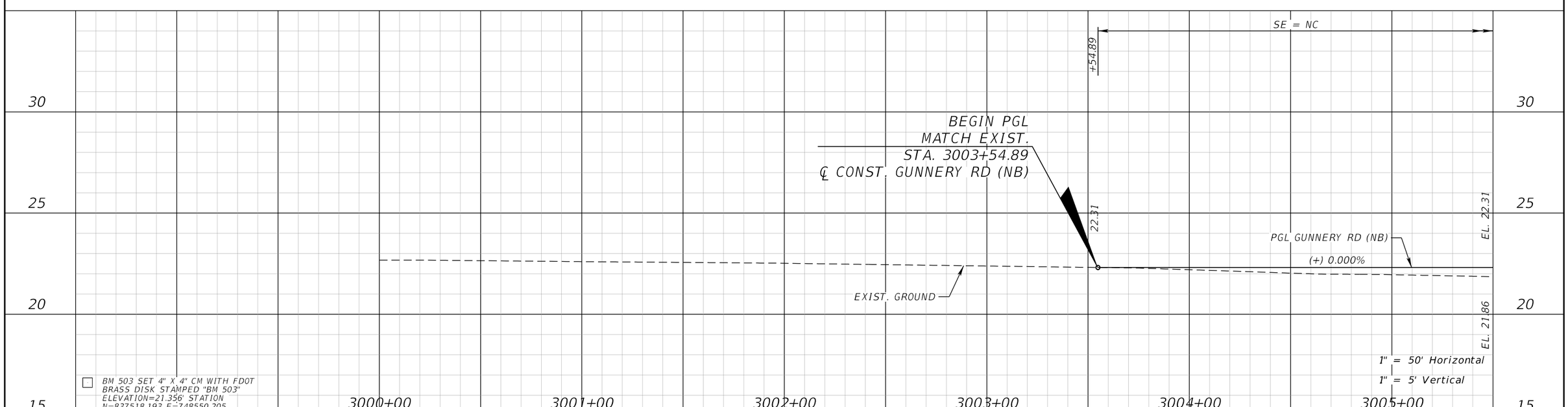

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

ROADWAY PROFILES (5)
GUNNERY RD (NB)

SHEET NO.

26

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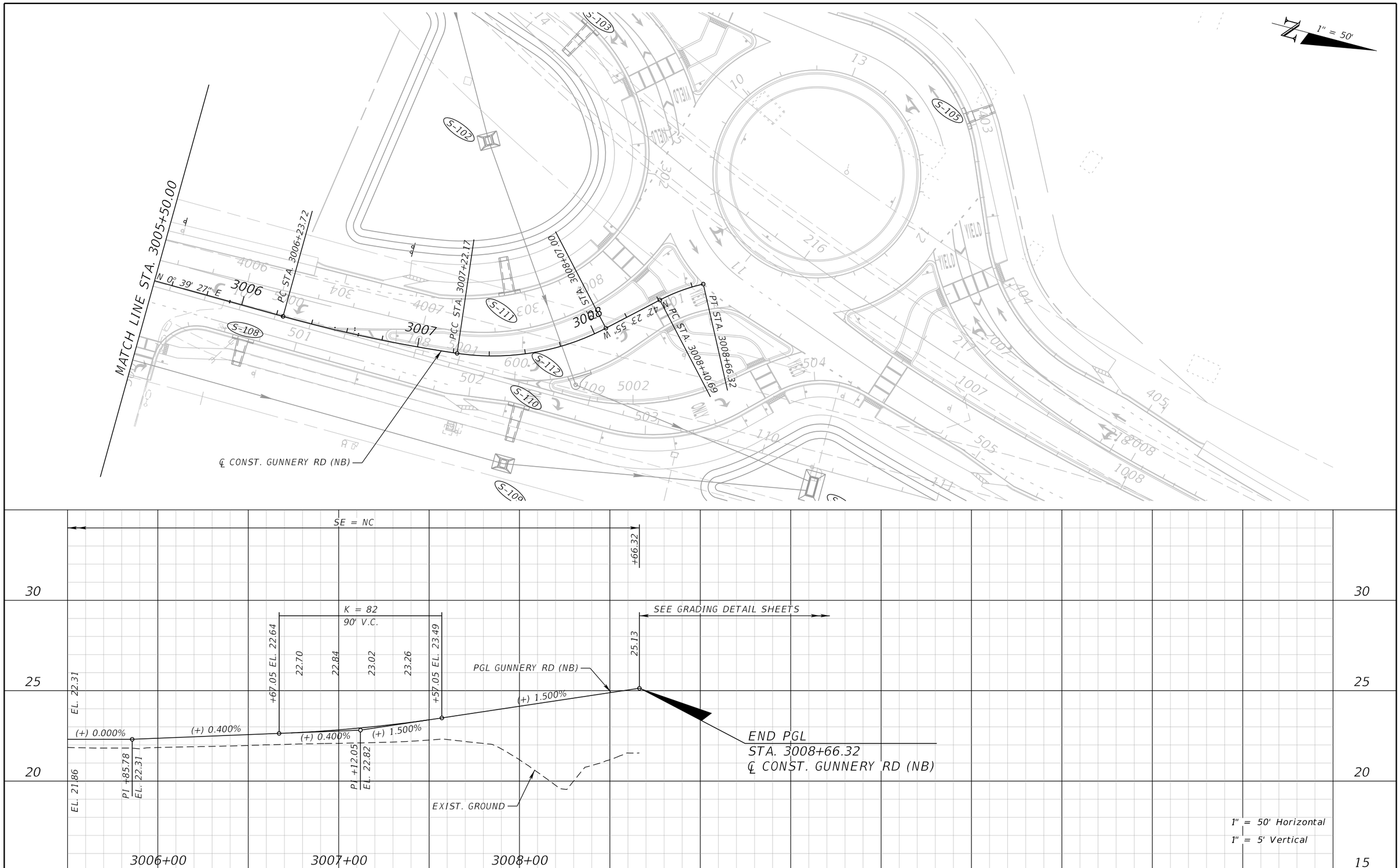

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

ROADWAY PROFILES (6)
GUNNERY RD (NB)

SHEET NO.
27

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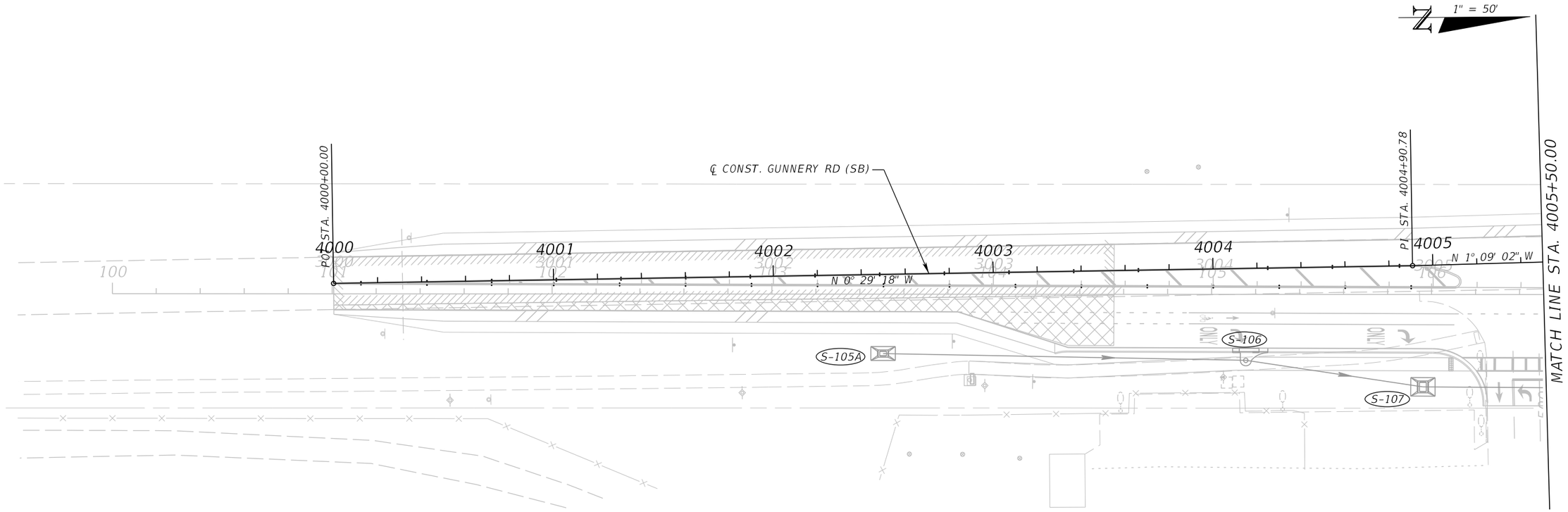

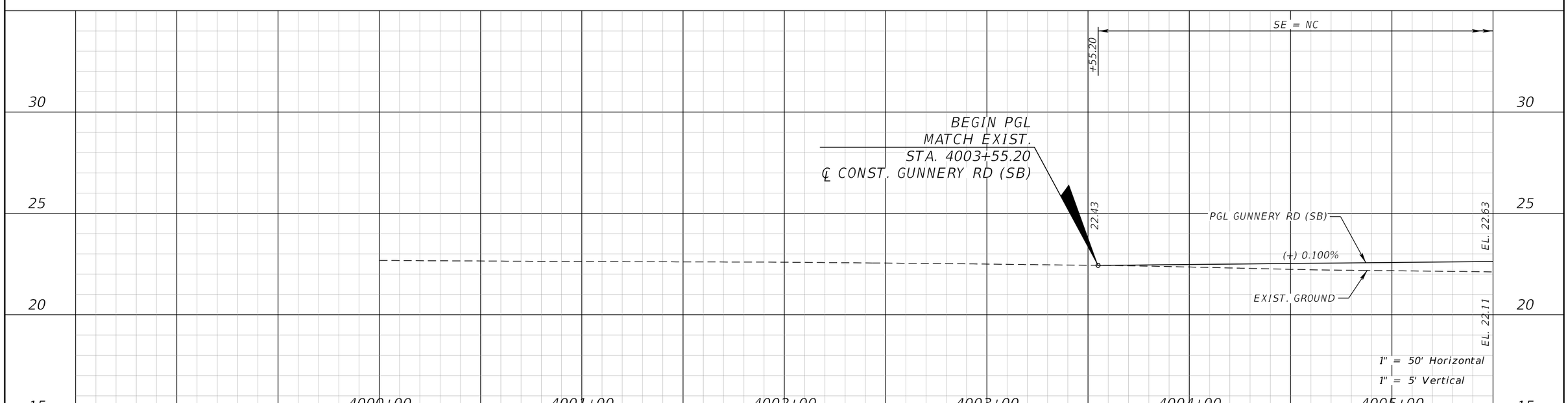

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

ROADWAY PROFILES (7)
GUNNERY RD (SB)

SHEET NO.

28

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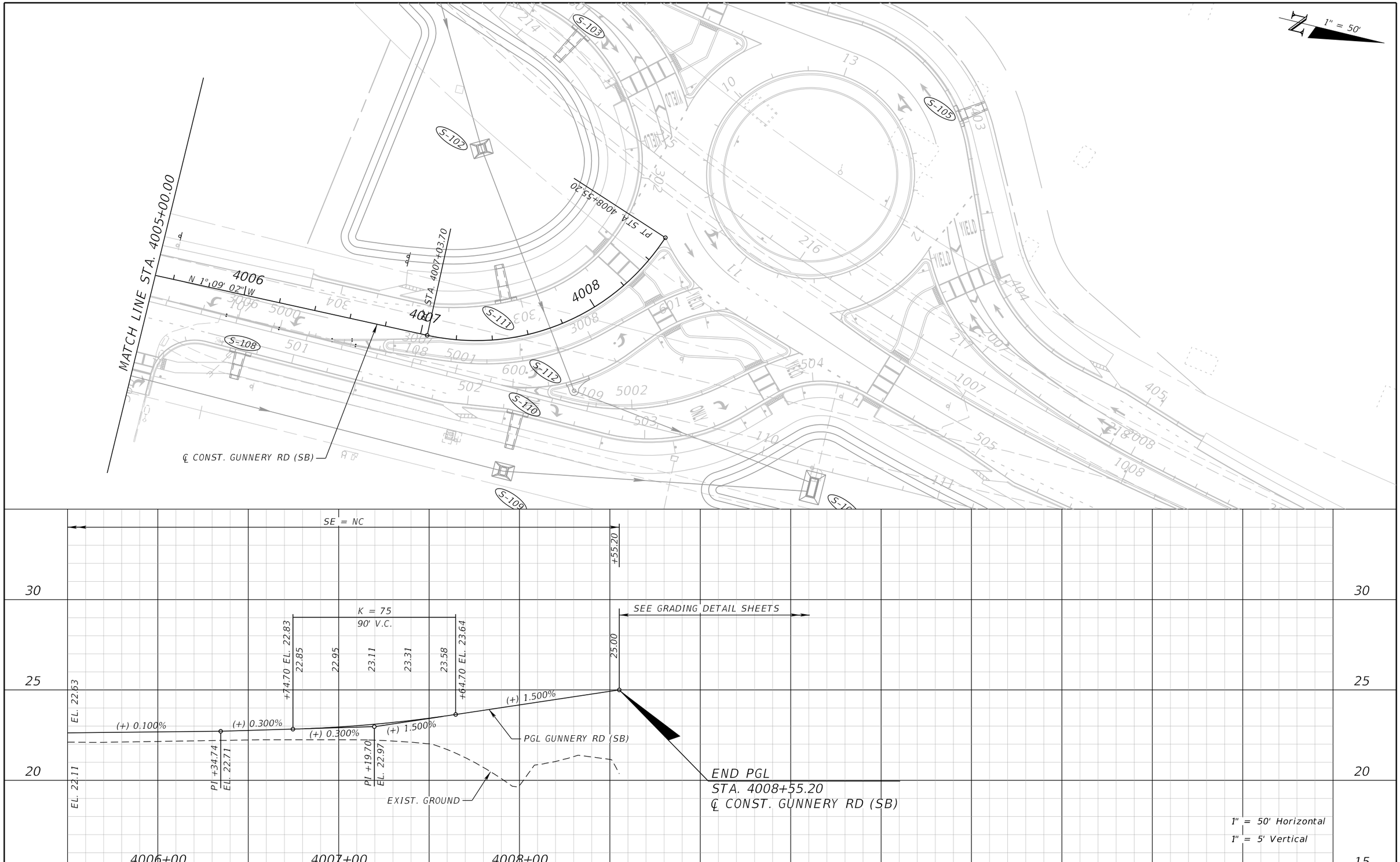

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

ROADWAY PROFILES (8)
GUNNERY RD (SB)

SHEET NO.
29

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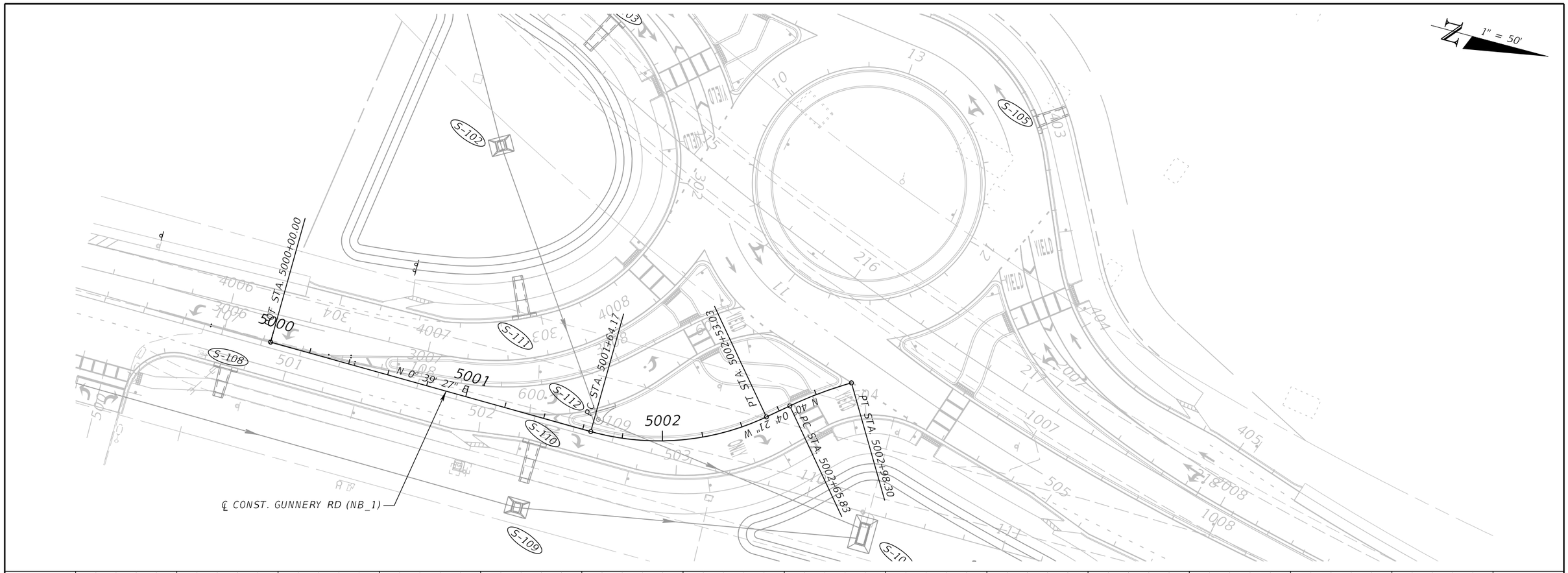

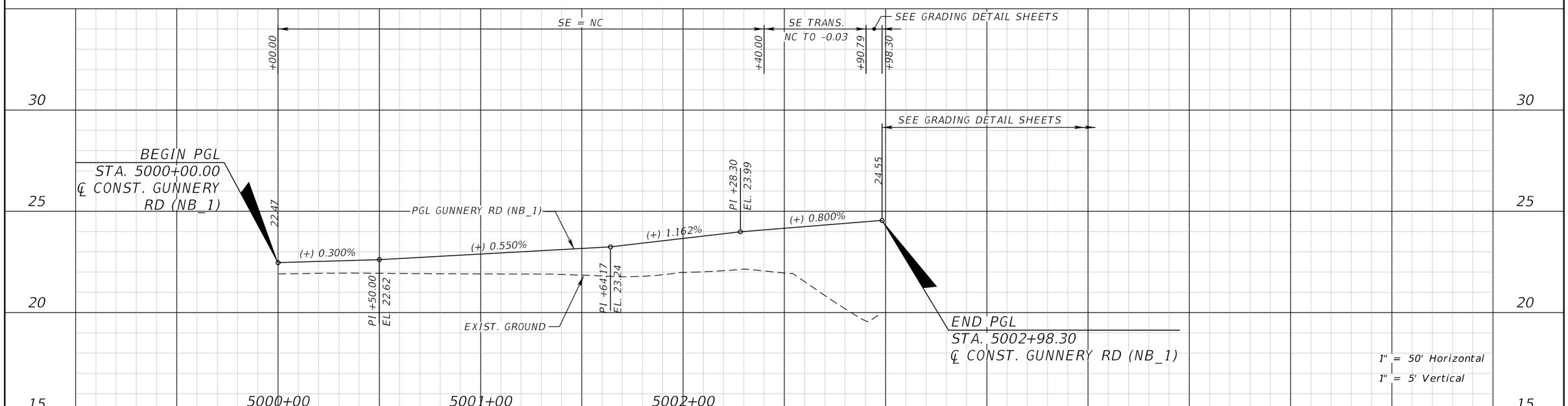

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

ROADWAY PROFILES (9)
GUNNERY RD (NB_1)

SHEET NO.
30

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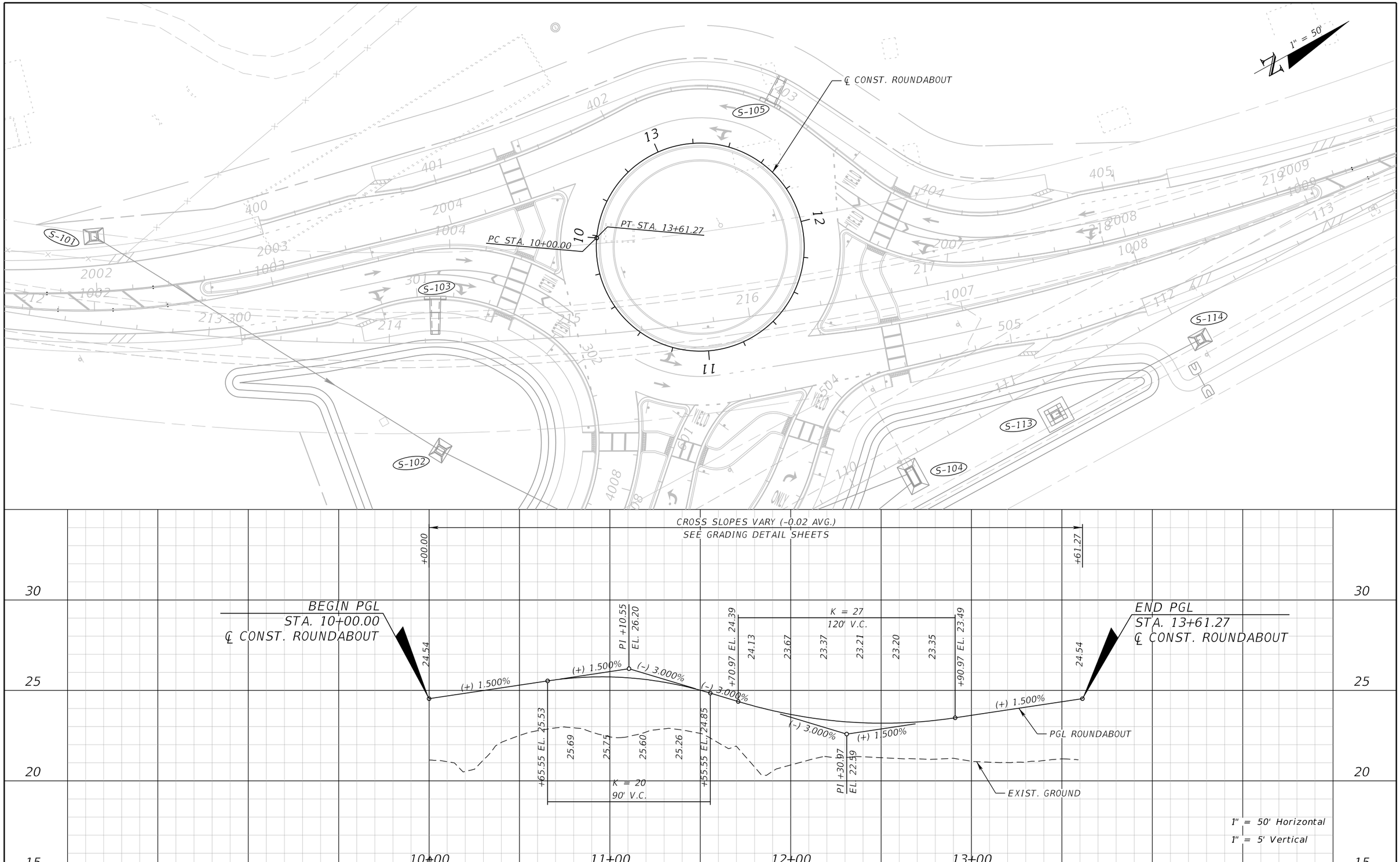

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

ROADWAY PROFILES (10) ROUNDABOUT

SHEET NO.

31

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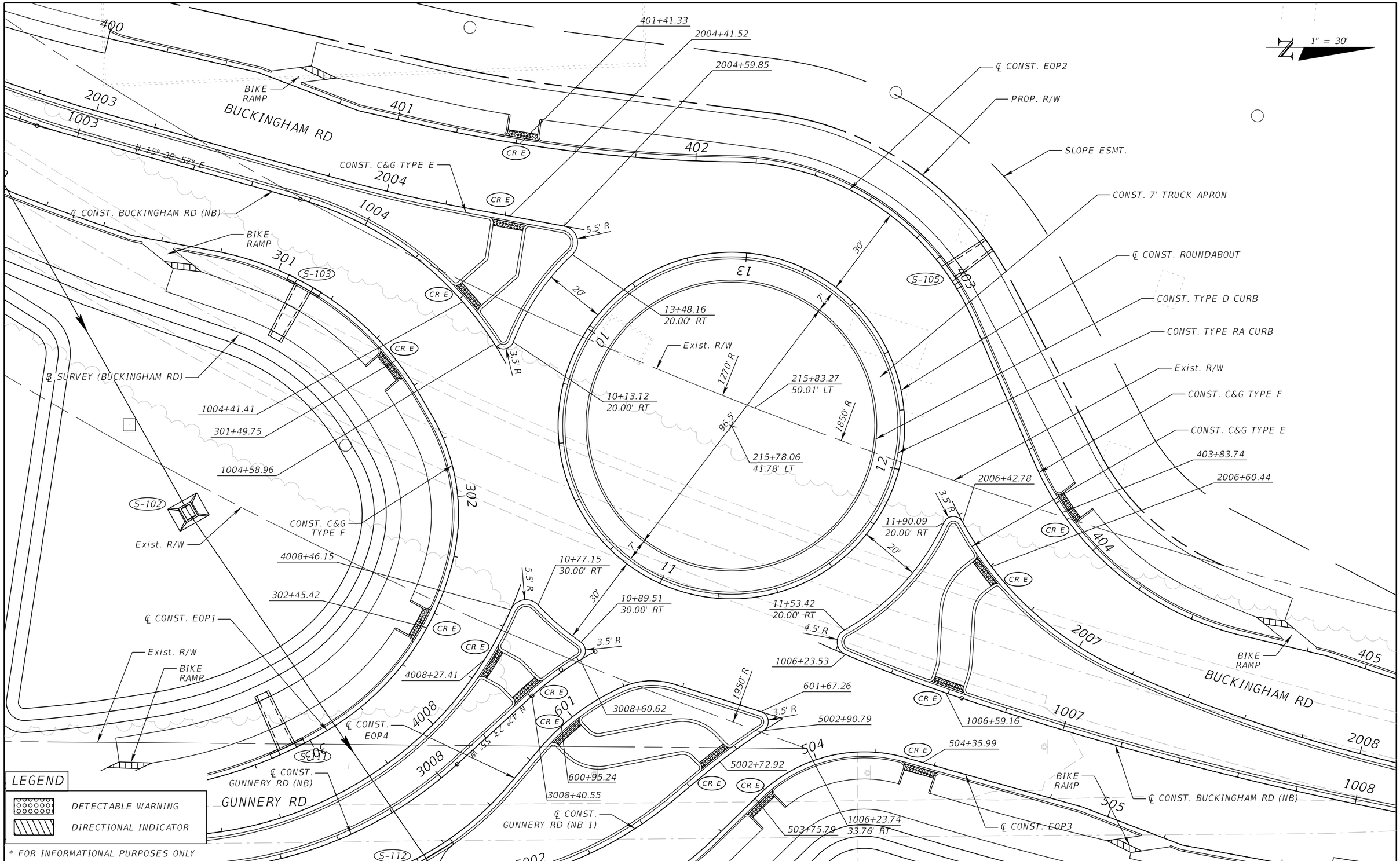

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

INTERSECTION LAYOUT

SHEET NO.

32

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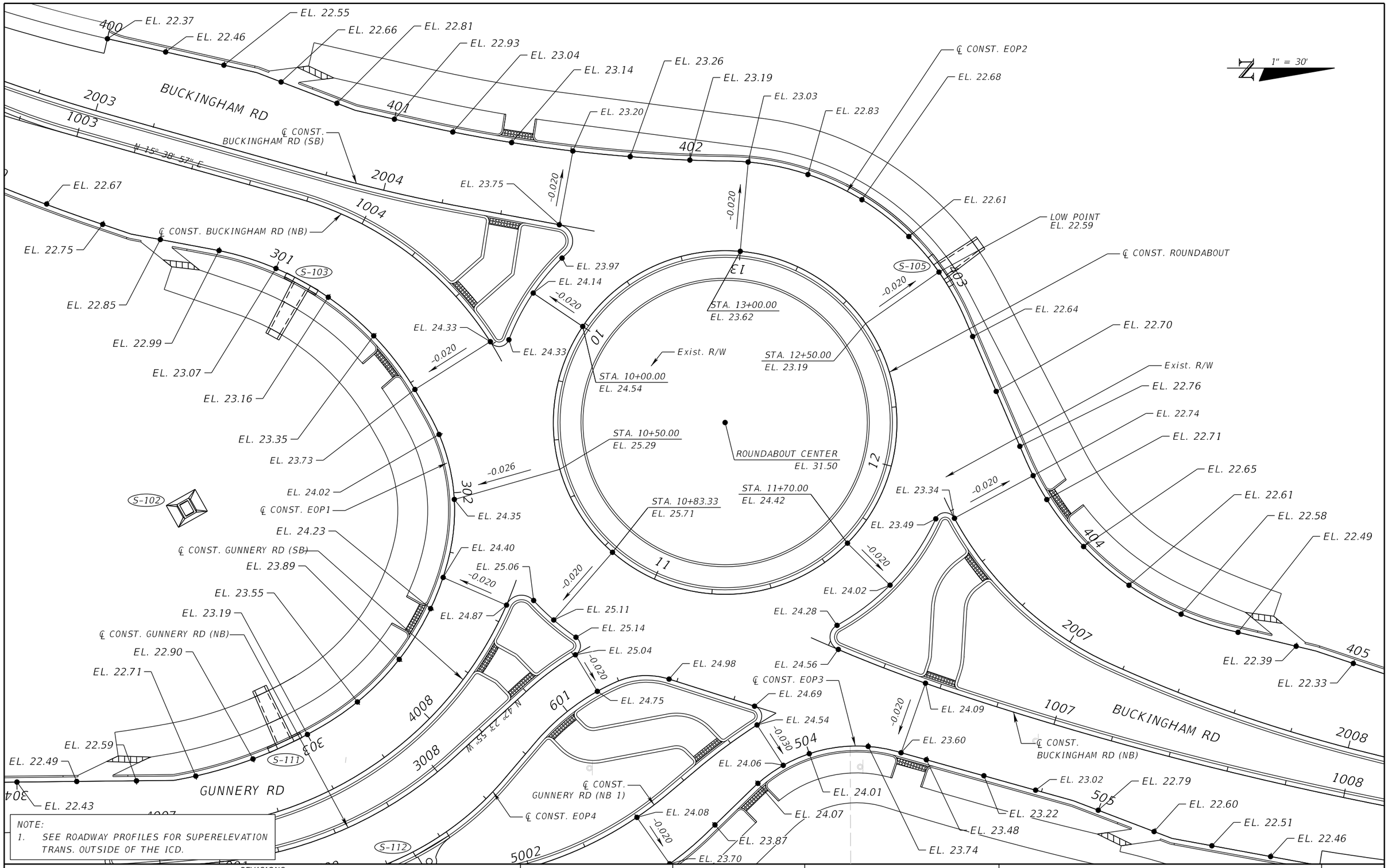

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

INTERSECTION DETAIL

SHEET NO.

33

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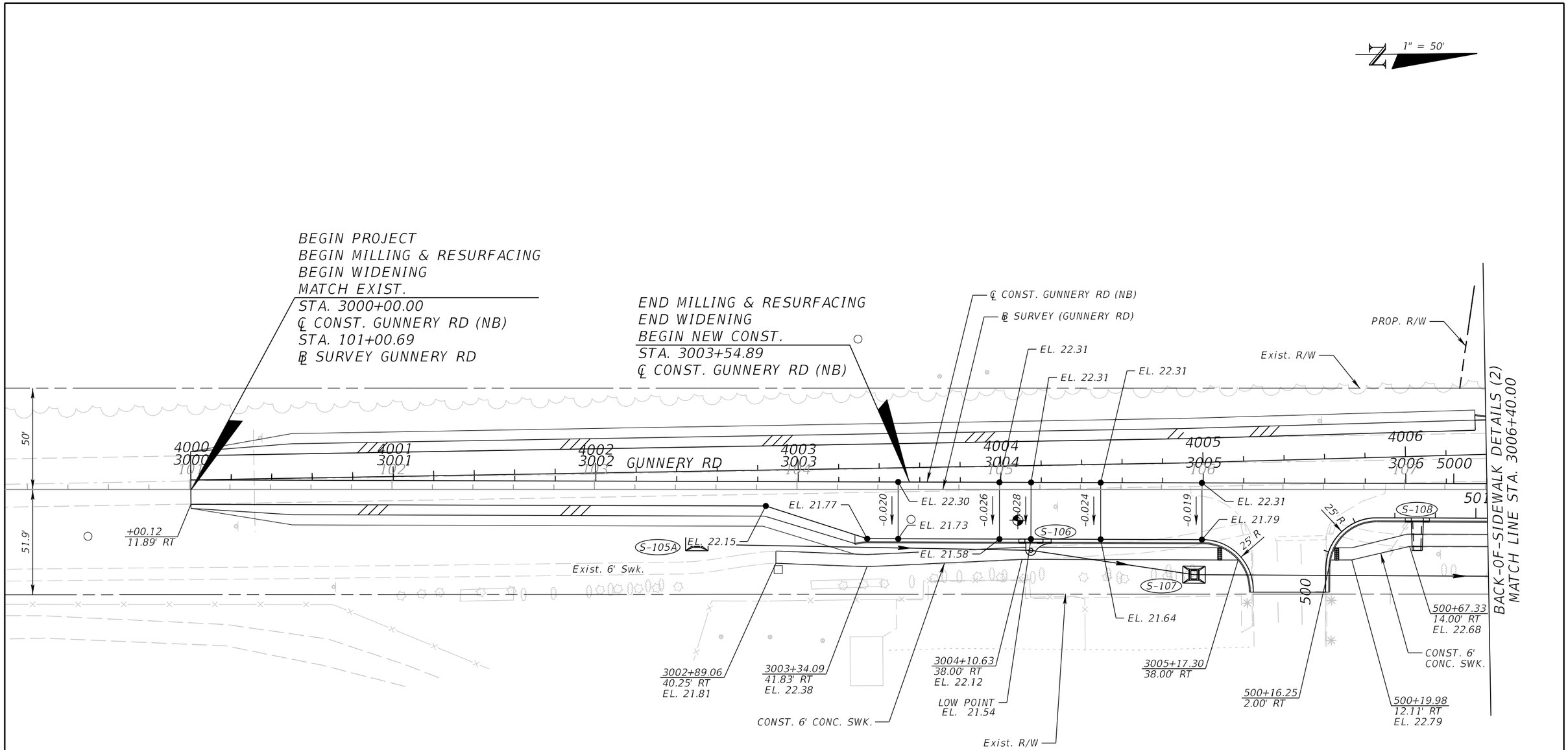

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
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SUITE 200
TAMPA, FL 33637

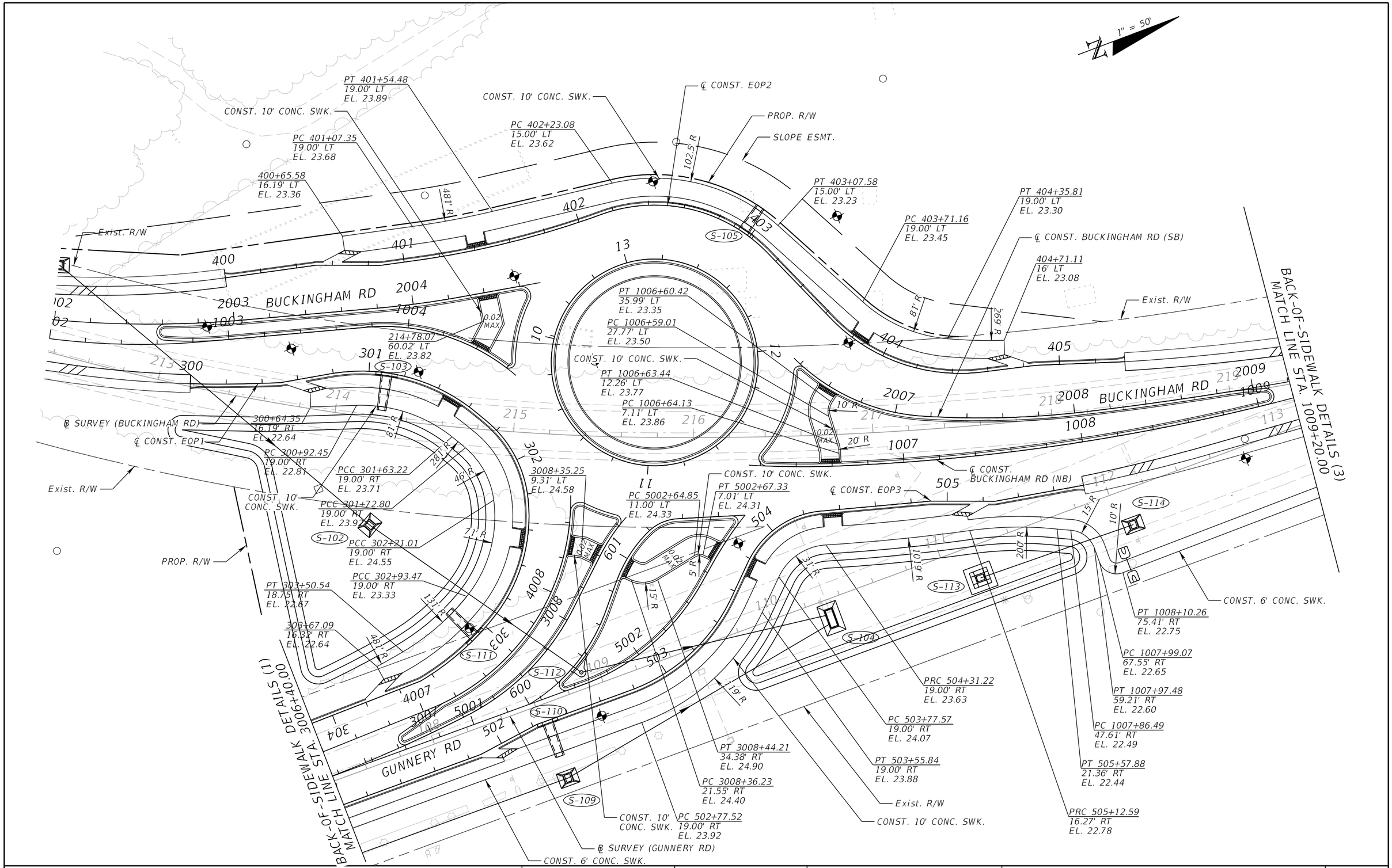
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

BACK-OF-SIDEWALK DETAILS (1)

SHEET NO.
34



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JEFFREY SIEWERT, P.E.
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Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

BACK-OF-SIDEWALK DETAILS (2)

SHEET NO.

35

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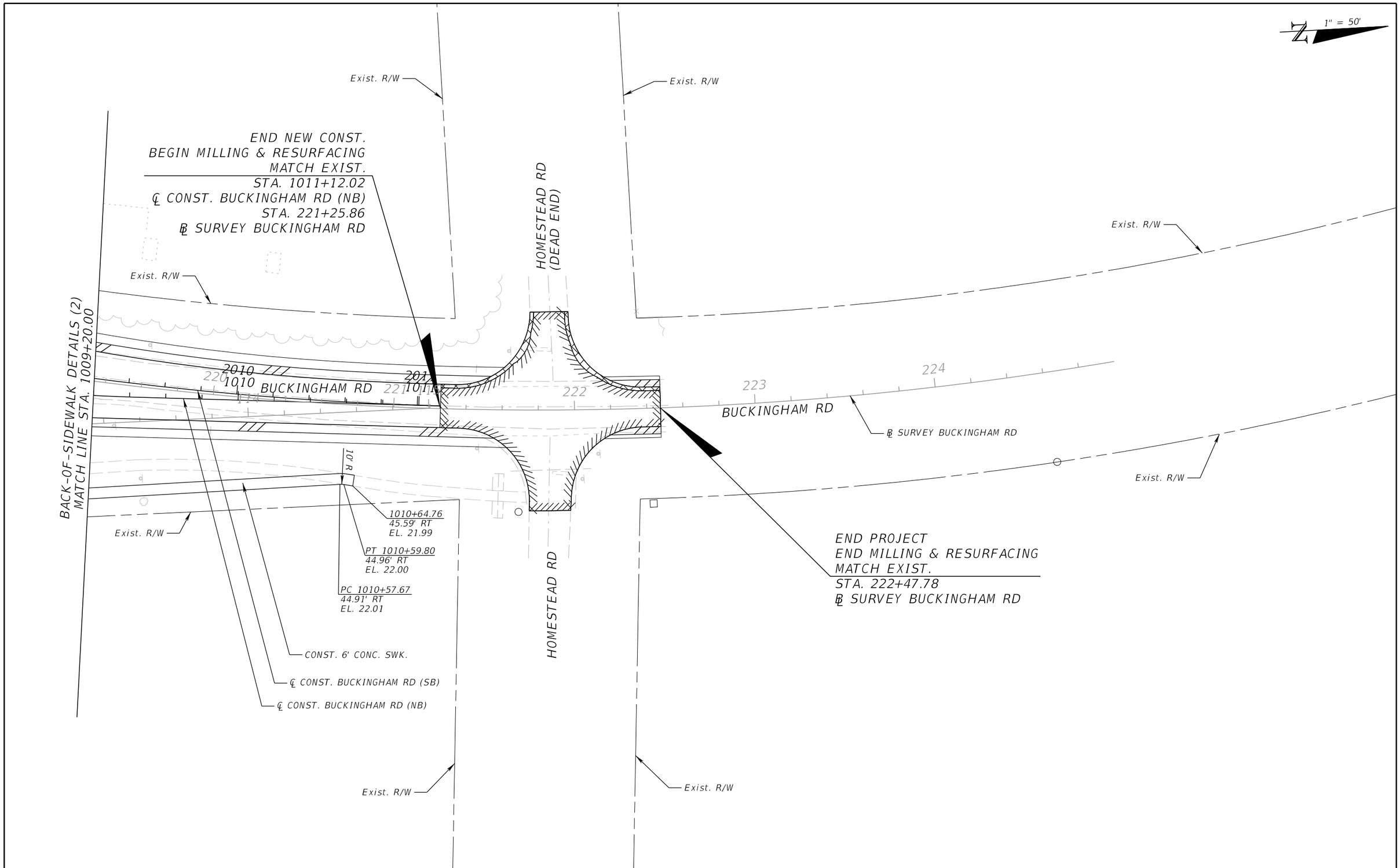

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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JEFFREY SIEWERT, P.E.
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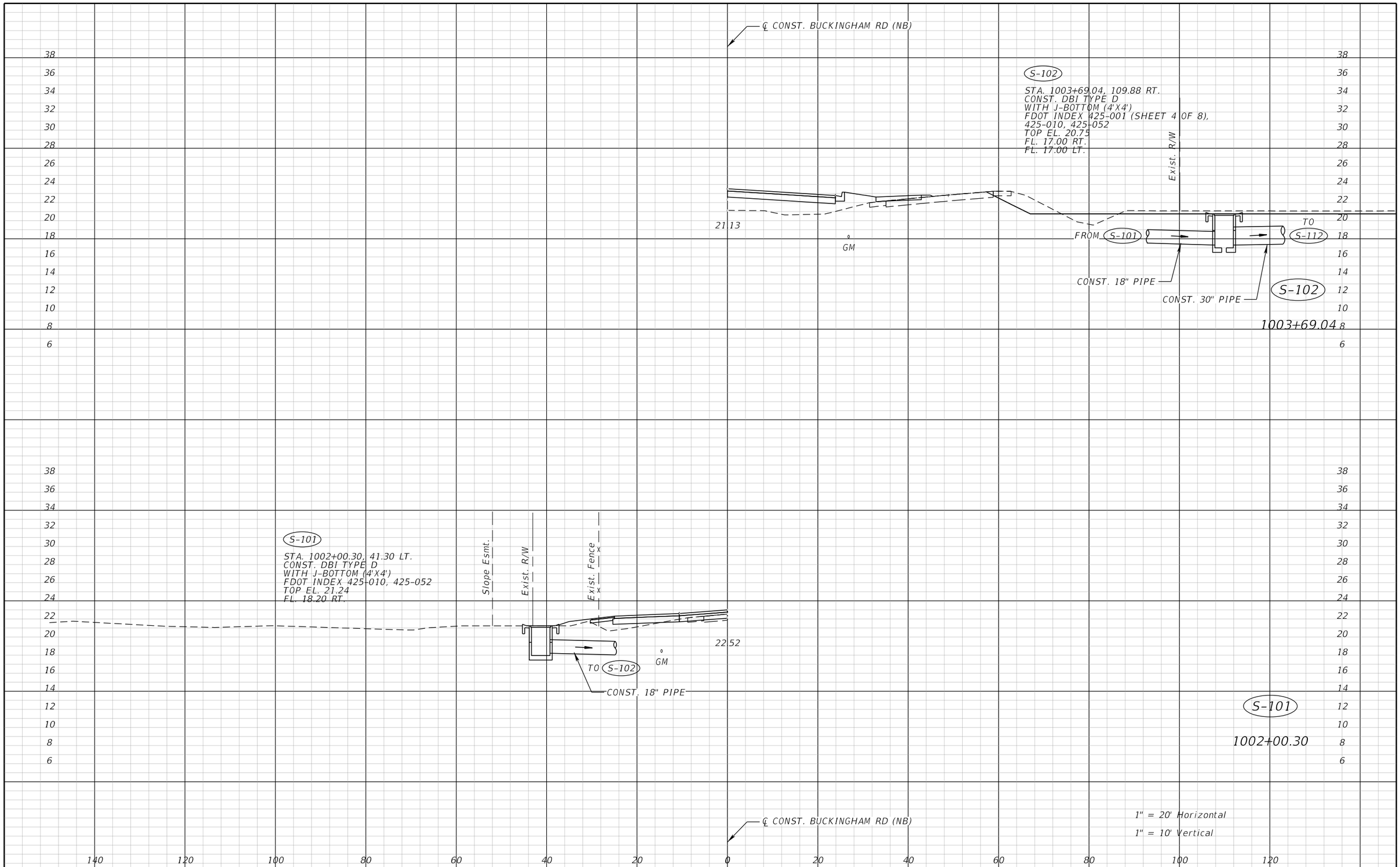
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

BACK-OF-SIDEWALK DETAILS (3)

SHEET NO.
36



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

DRAINAGE STRUCTURES (1)
BUCKINGHAM RD

SHEET NO.

37

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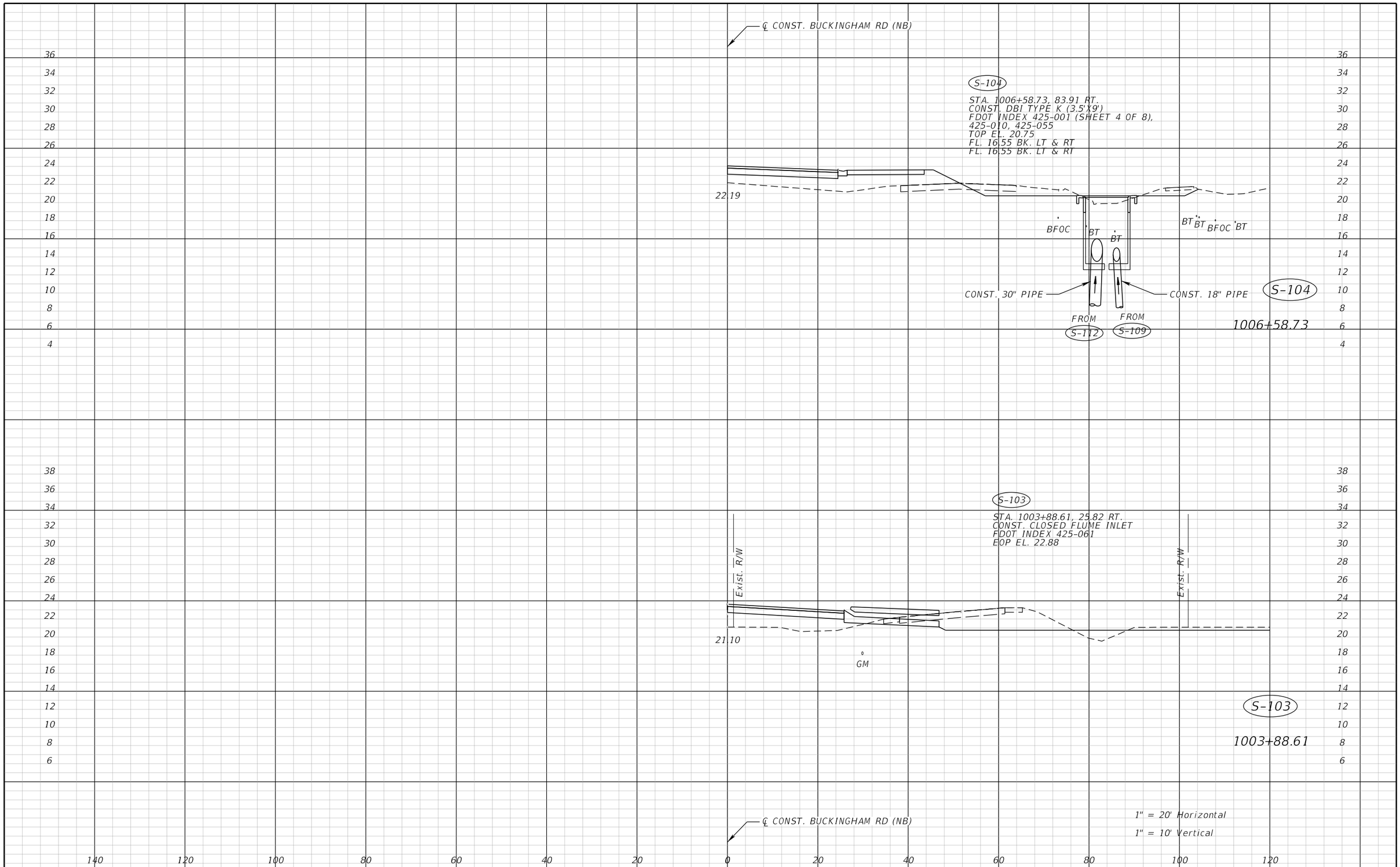

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

DRAINAGE STRUCTURES (2) BUCKINGHAM RD

SHEET NO.
38

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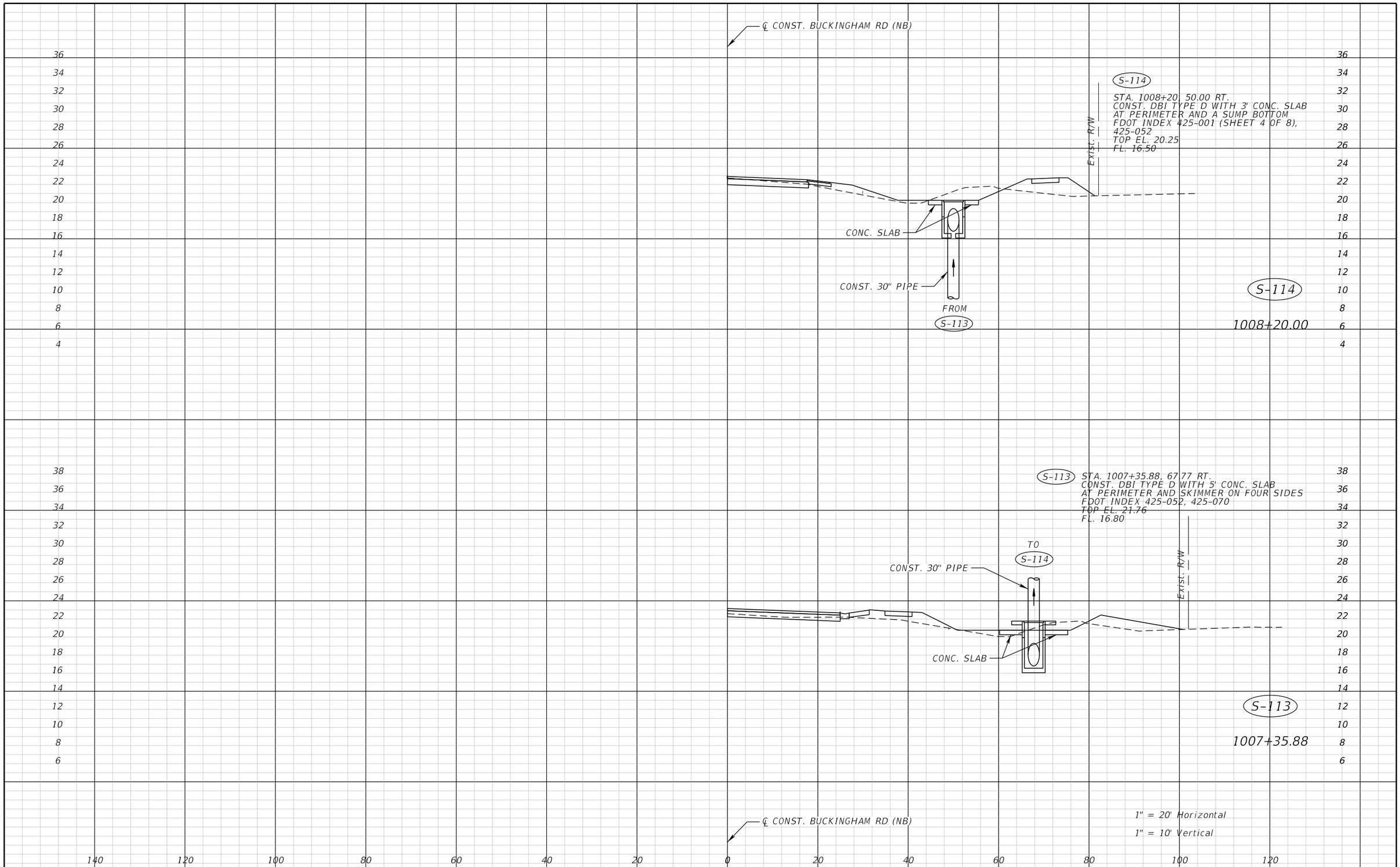

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DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
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Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

DRAINAGE STRUCTURES (3) BUCKINGHAM RD

SHEET NO.

39

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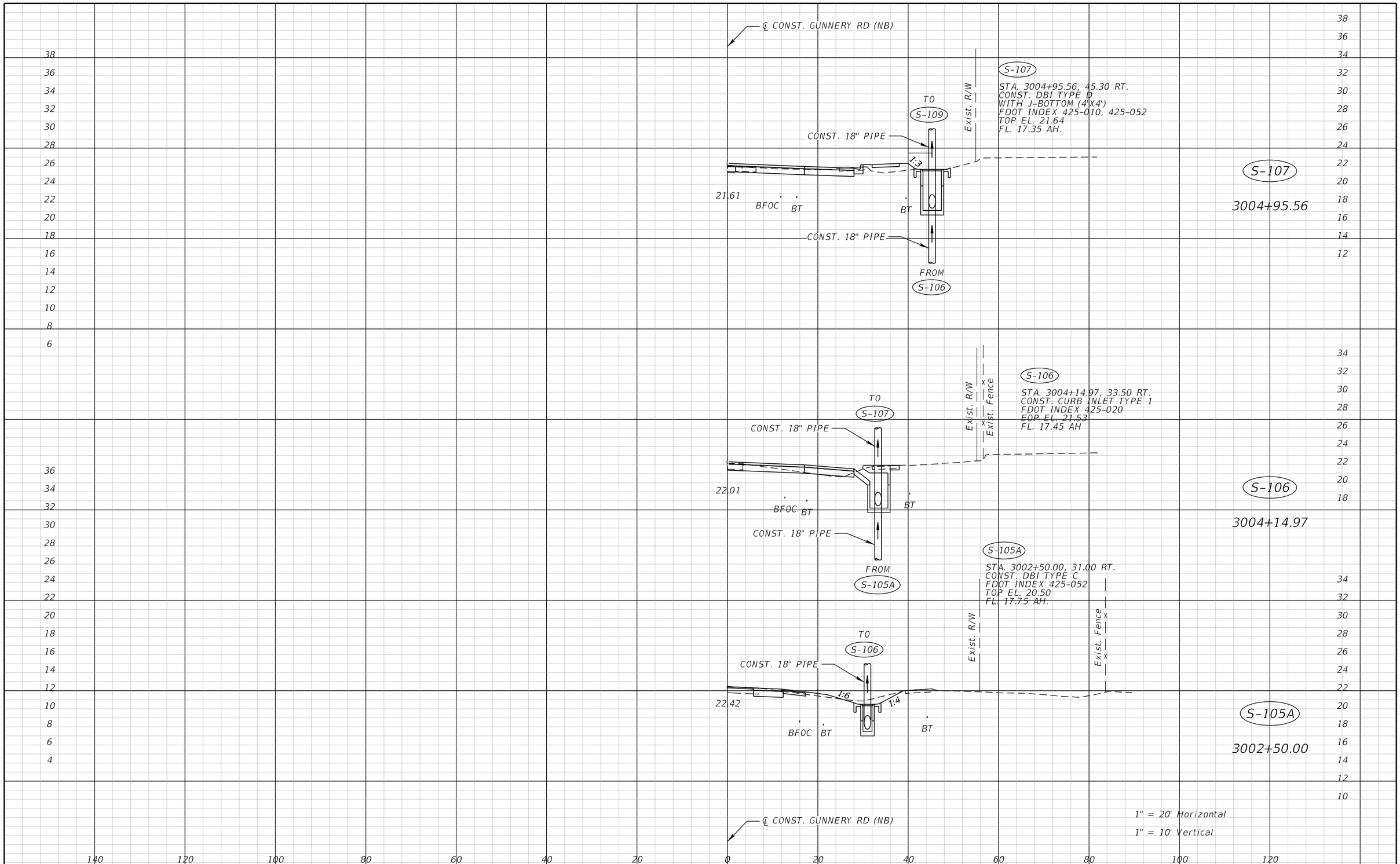

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DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
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AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

DRAINAGE STRUCTURES (4) GUNNERY RD

SHEET NO.

40

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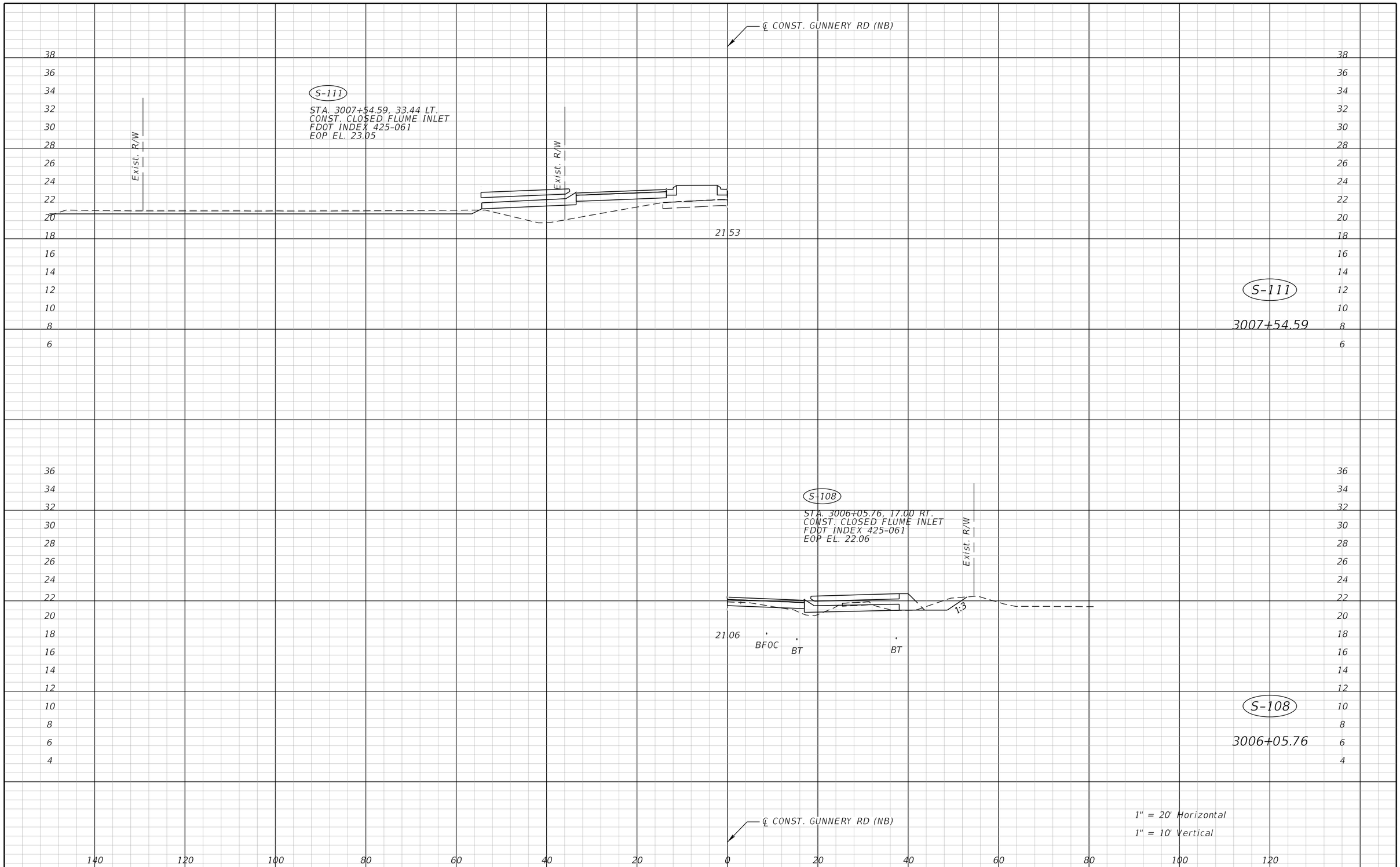

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

DRAINAGE STRUCTURES (5)
GUNNERY RD

SHEET NO.
41

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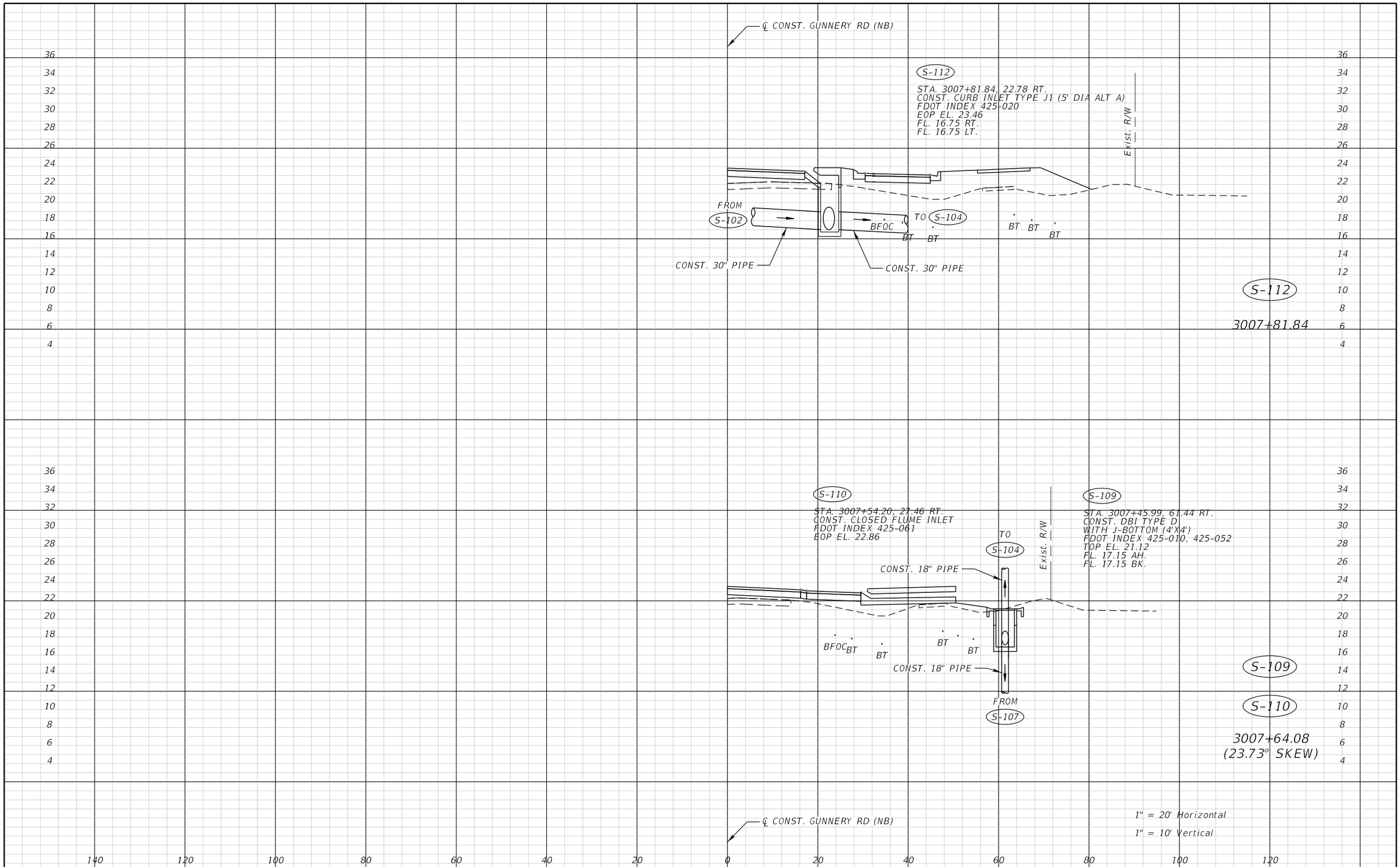

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

DRAINAGE STRUCTURES (6) GUNNERY RD

SHEET NO.

42

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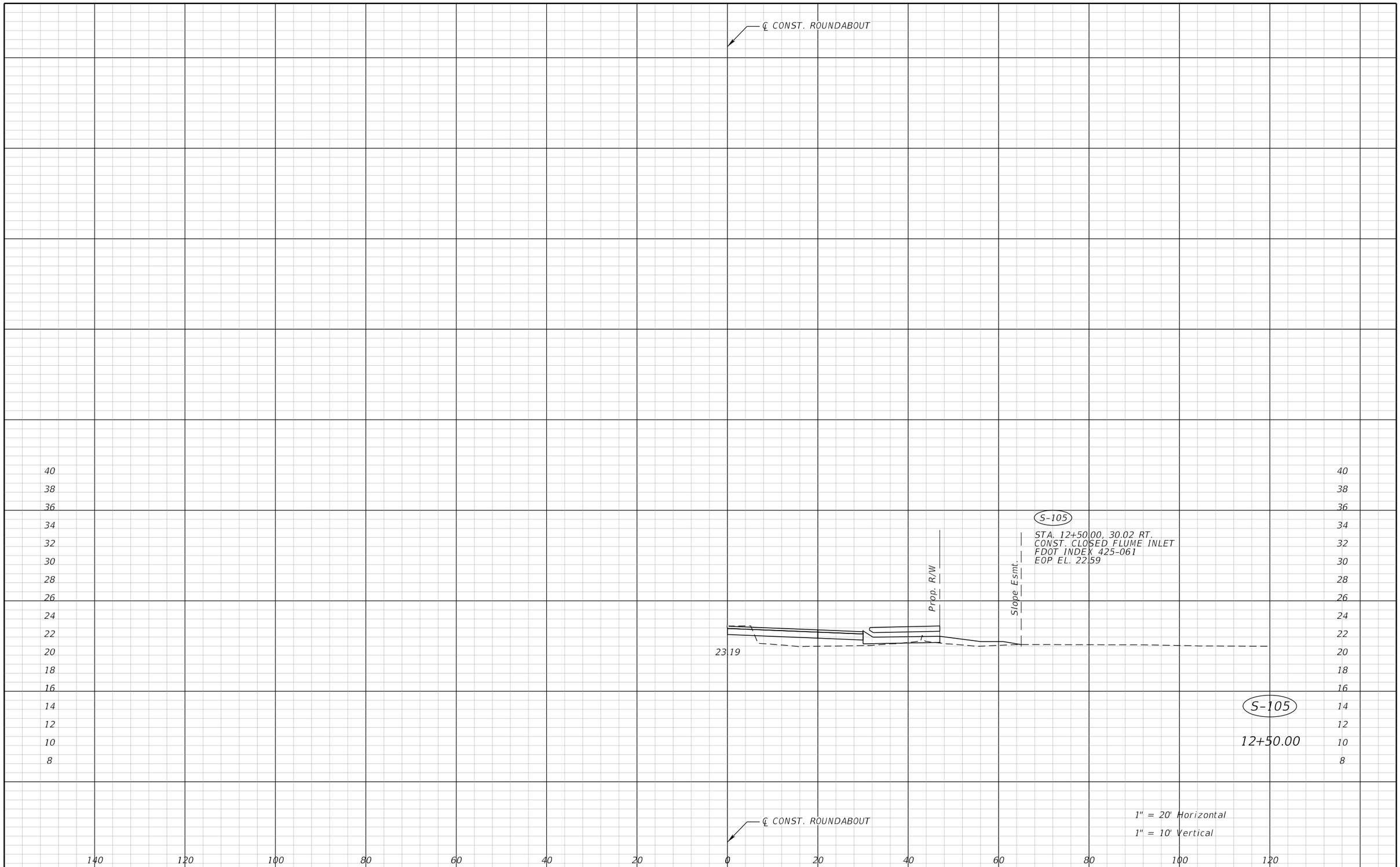


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

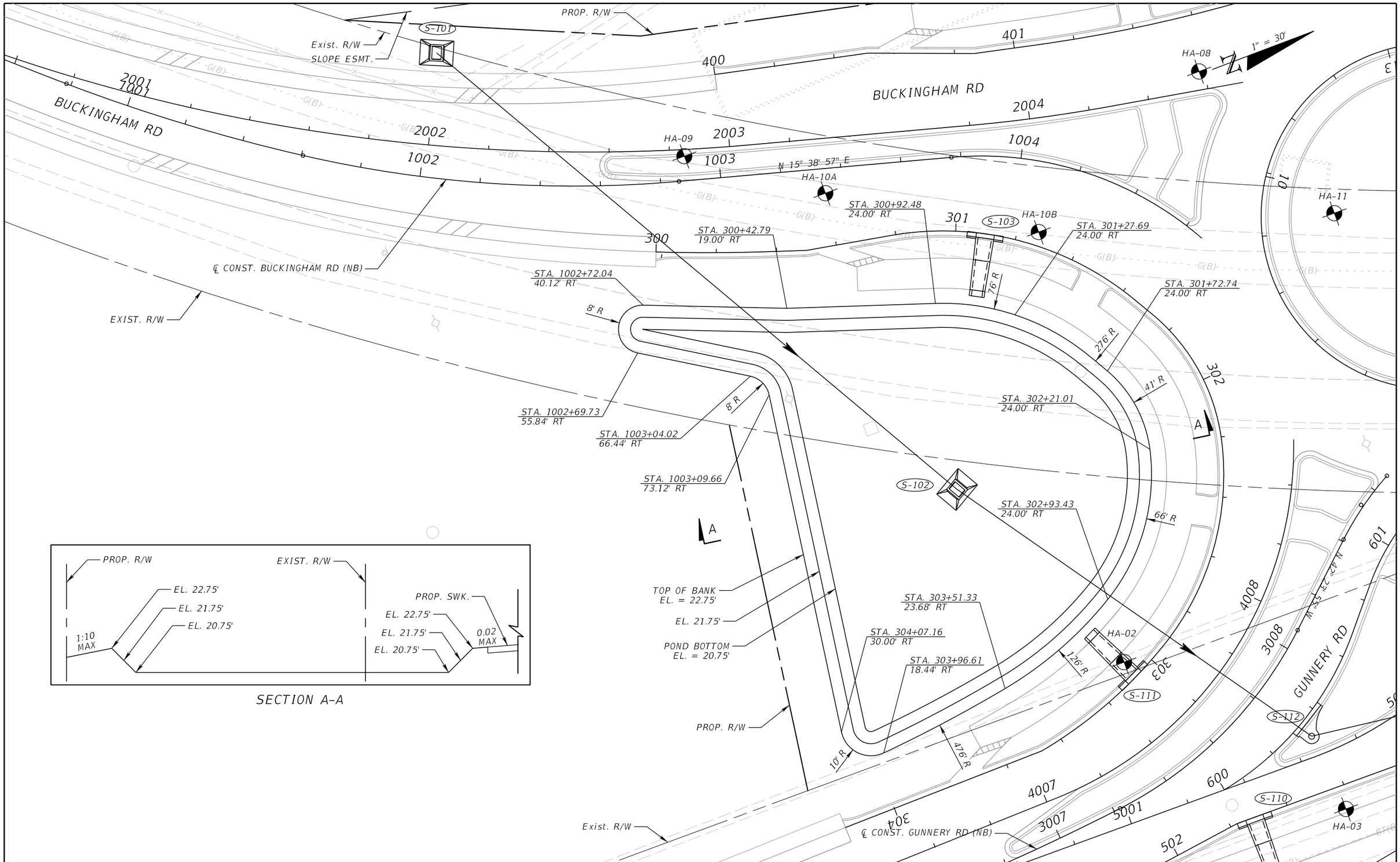
442123-1-58-01

DRAINAGE STRUCTURES (7) ROUNDABOUT

SHEET NO.

43

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



SECTION A-A

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

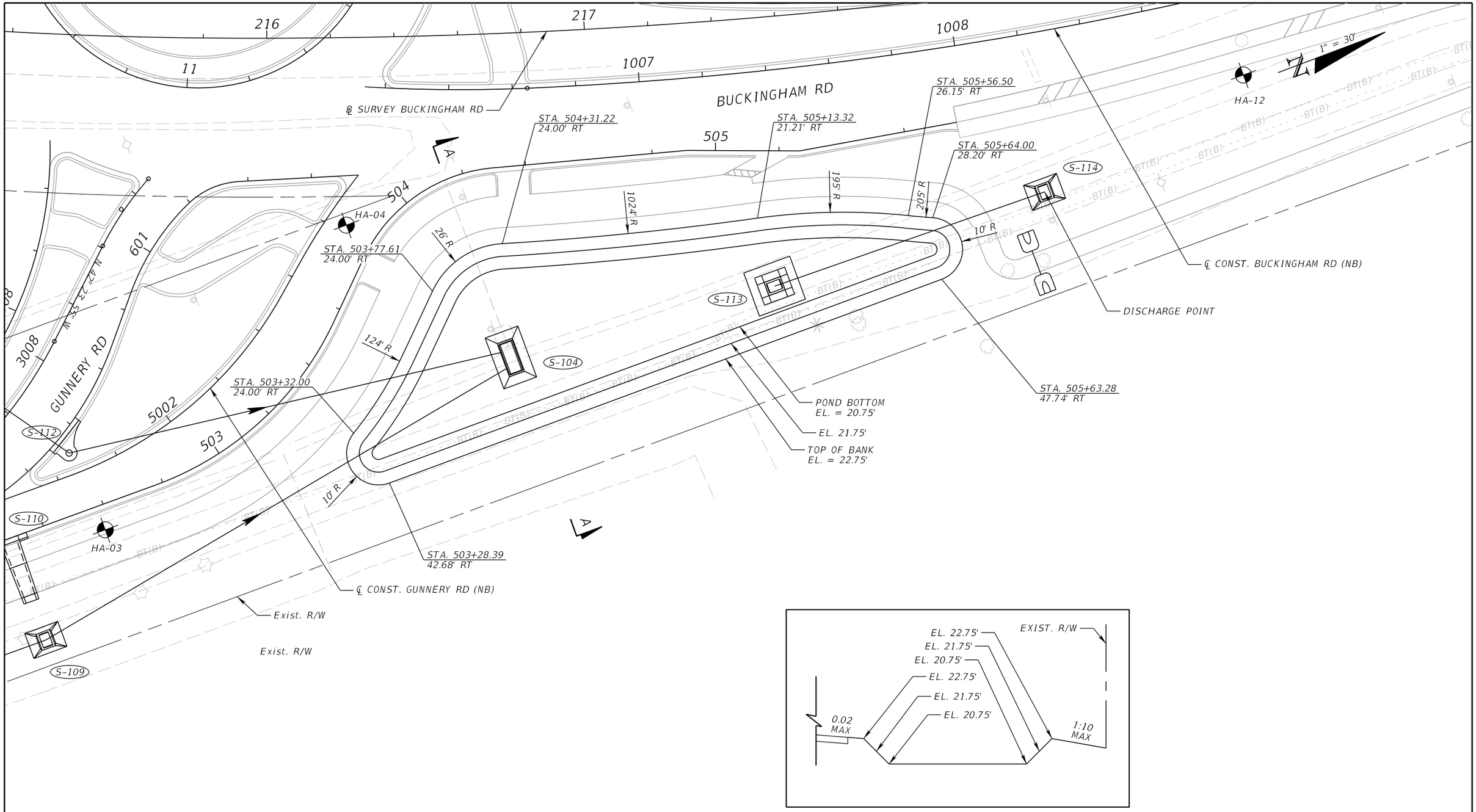
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

POND PLAN AND DETAILS POND A

SHEET NO.
44



SECTION A-A

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
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8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

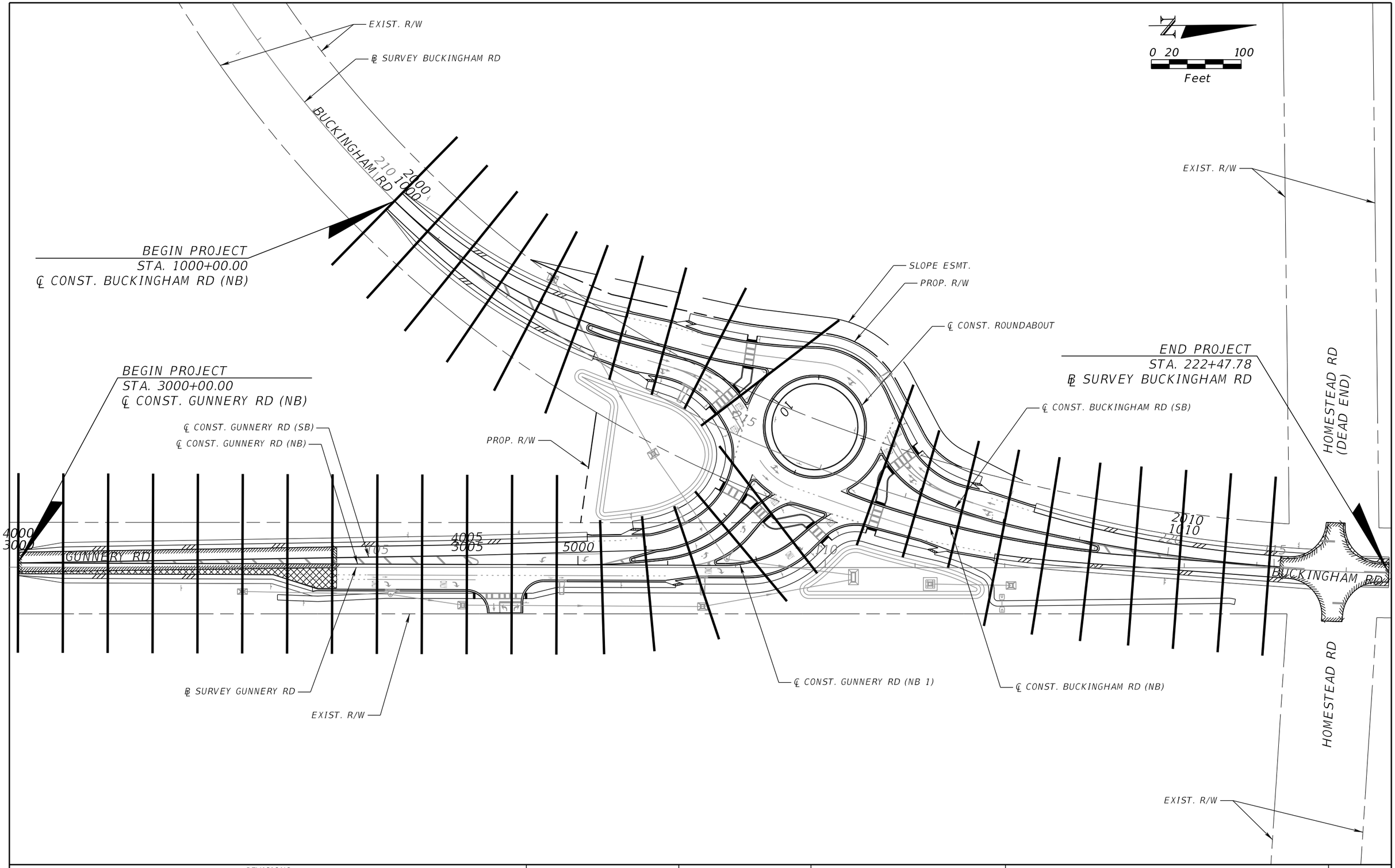
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

POND PLAN AND DETAILS
POND B

SHEET NO.
45



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTION PATTERN

SHEET NO.
46

FIGURE 5

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

FINANCIAL PROJECT ID: 442123-1-58-01

PROJECT NAME: GUNNERY ROAD AND BUCKINGHAM ROAD ROUNDABOUT

CROSS SECTION OF SOIL SURVEY

DATE OF SURVEY: June & July 2020
SURVEY MADE BY: ARDAMAN AND ASSOCIATES, INC.
SUBMITTED BY: IVAN F. SOKOLIC, P.E.

DISTRICT: ONE
ROAD NO.: --
COUNTY: LEE

	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENTAGE PASSING						ATTERBERG LIMITS (%)			SOIL CLASSIFICATION		CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	% MOISTURE	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTICITY INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohms cm	CHLORIDE ppm	SULFATES ppm	pH
1	1	2.3	2	19-63	1	--	--	--	--	6.3	--	--	--	A-3	LIGHT BROWN TO BROWN, LIGHT GRAY TO GRAY, AND GOLDEN BROWN FINE SAND TO FINE SAND WITH TRACE OF SILT AND SHELL FRAGMENTS	2	13,490-20,230	15-30	BDL	8.48-8.78
2	--	--	--	--	--	--	--	--	--	--	--	--	--	A-2-4	BROWN TO GRAY SILTY FINE SAND WITH TRACE OF SHELL	--	--	--	--	--
3	--	--	--	--	--	--	--	--	--	--	--	--	--	A-2-6	BROWN FINE SAND WITH TRACE OF CLAY	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--	--	A-2-7	BROWN CLAYEY FINE SAND	--	--	--	--	--
5	--	--	3	19-20	3	--	--	--	--	40-49	2	NP-24	NP-7	A-4	LIGHT GRAY TO GRAY SANDY SILT WITH TRACE OF SHELL AND LIMESTONE FRAGMENTS	--	--	--	--	--
6	--	--	1	18.1	1	--	--	--	--	46.3	--	--	--	A-6	GRAY SANDY CLAY WITH TRACE OF SILT AND SHELL TO SILTY CLAY WITH TRACE OF SAND AND SHELL	--	--	--	--	--

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE, MAKE FINAL CHECK AFTER GRADING

1. SOIL BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE SECTION 120-3.
2. WATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. GNE DENOTES GROUNDWATER NOT ENCOUNTERED. ESTIMATED SEASONAL HIGH GROUNDWATER LEVELS SHOWN AS ▽. ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL BELOW BOTTOM OF BORING SHOWN AS "*".
3. SOIL PARAMETER NOT TESTED DENOTED AS "--" ABOVE.
4. REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURING WITHIN THE ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH STANDARD PLANS INDEX NO. 120-002, UNLESS OTHERWISE SHOWN ON THE PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX NO. 120-001 FOR FDOT DESIGN STANDARDS.
5. STRATA NOS. 1 AND 2 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLAN INDICES 120-002 AND 120-001.
6. STRATUM NO. 2 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
7. 'NP' DENOTES NON-PLASTIC.
8. "BDL" DENOTES BELOW DETECTION LEVEL.
9. THE MATERIALS FROM STRATA NUMBERS 3, 4, 5 AND 6 ARE PLASTIC MATERIALS AND SHALL BE REMOVED IN ACCORDANCE WITH STANDARD PLANS INDEX 120-002. THEY MAY BE PLACED ABOVE THE EXISTING WATER LEVEL AT THE TIME OF CONSTRUCTION, TO WITHIN 4 FEET OF THE PROPOSED BASE. THEY SHOULD BE PLACED UNIFORMLY IN THE LOWER PORTION OF THE EMBANKMENT FOR SOME DISTANCES ALONG THE PROJECT RATHER THAN FULL DEPTHS FOR SHORT DISTANCES.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

IVAN F. SOKOLIC, P.E.
P.E. LICENSE NUMBER 64114
ARDAMAN AND ASSOCIATES, INC.
9970 BAVARIA ROAD
FORT MYERS, FL 33913

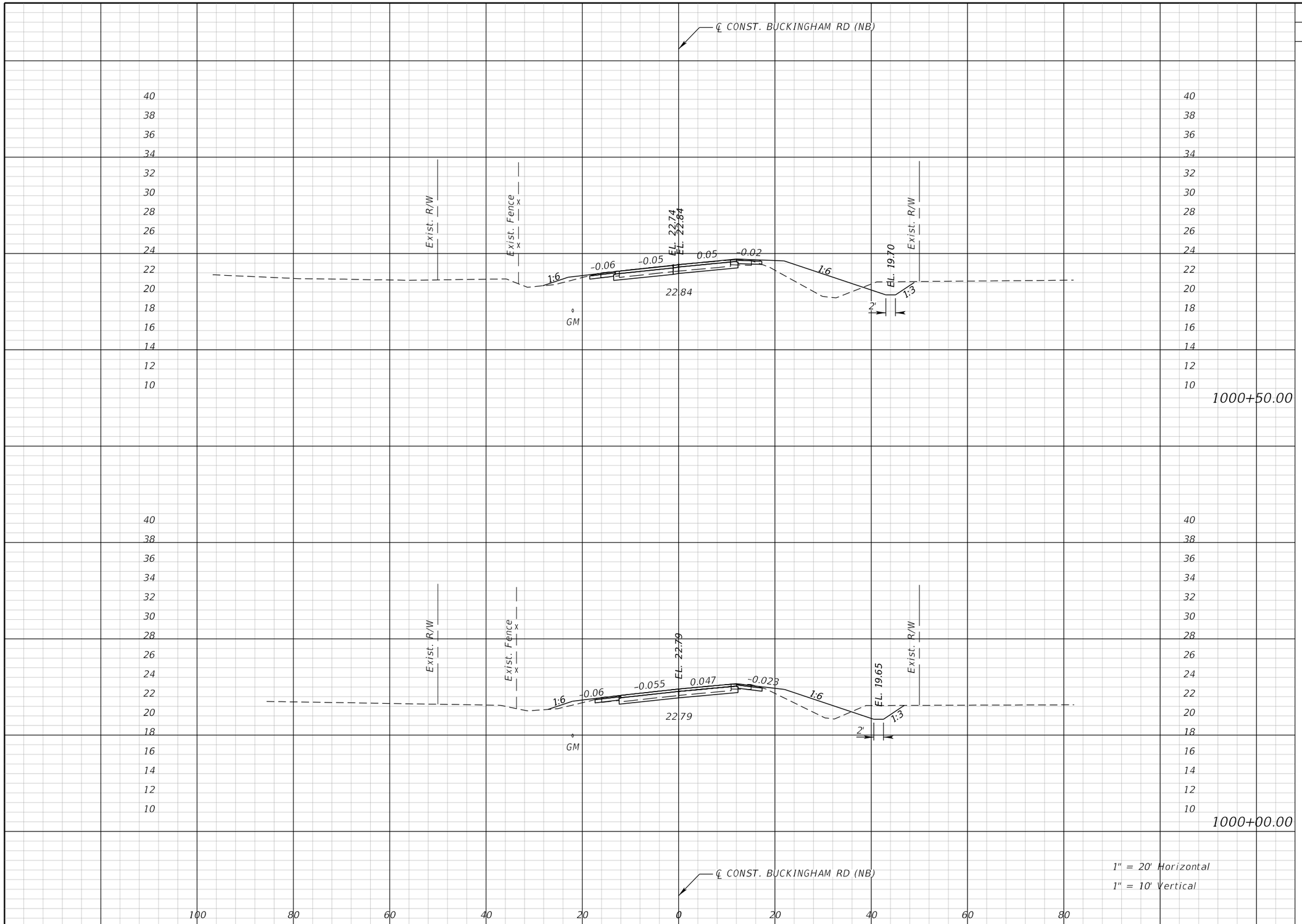
Lee County Department Of Transportation

BUCKINGHAM RD AT GUNNERY RD INTERSECTION IMPROVEMENTS (ROUNDABOUT)

FINANCIAL PROJECT ID: 442123-1-58-01

ROADWAY SOIL SURVEY

SHEET NO. 47



	Regular Exc.		Embankment	
	A	V	A	V
1000+50.00	18	31	34	52
1000+00.00	16	0	20	0

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8875 HIDDEN RIVER PKWY,
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TAMPA, FL 33637

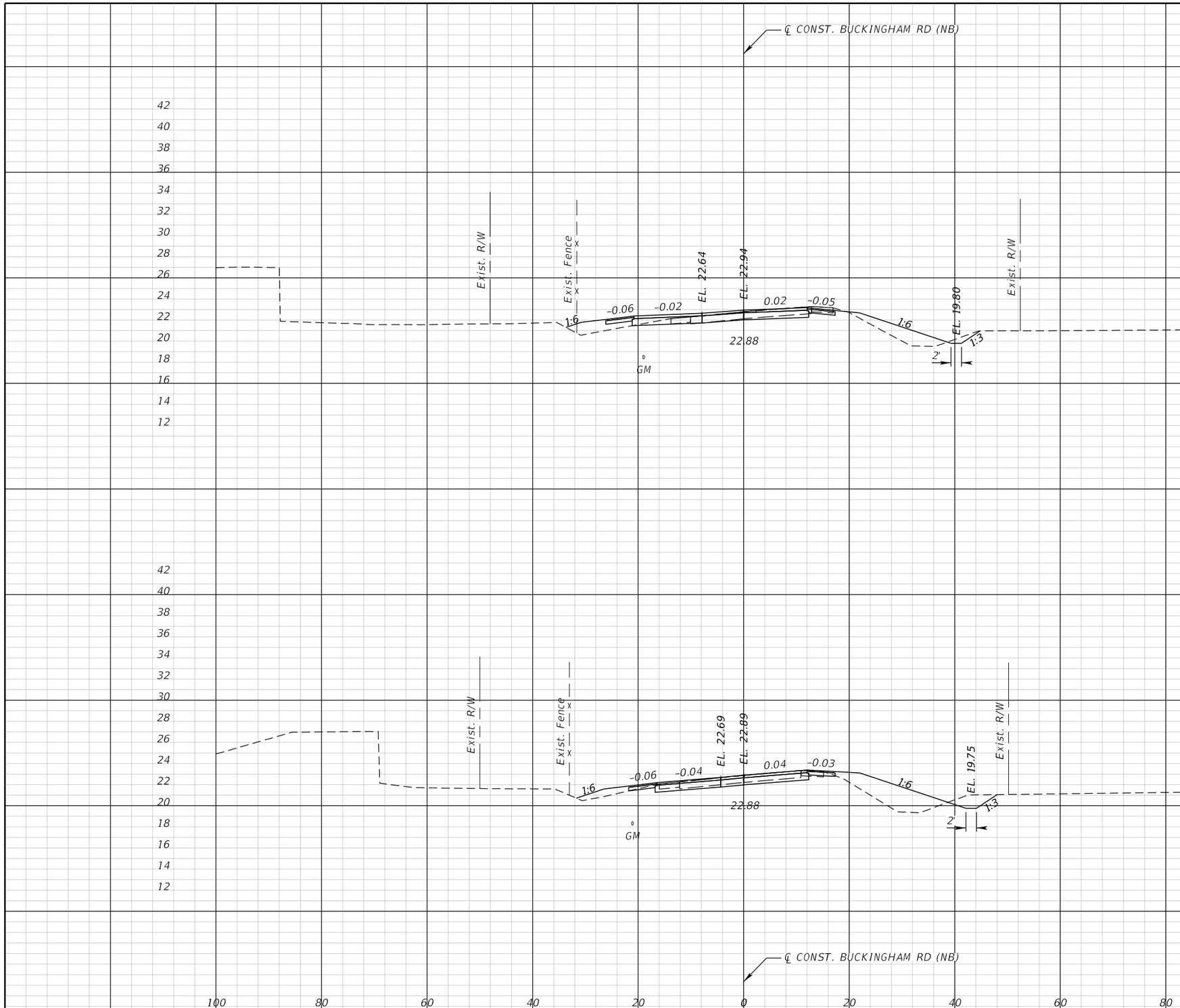
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (1) BUCKINGHAM RD

SHEET NO.
48



	Regular Exc.		Embankment	
	A	V	A	V
1001+50.00	11	26	27	62
1001+00.00	17	33	38	69

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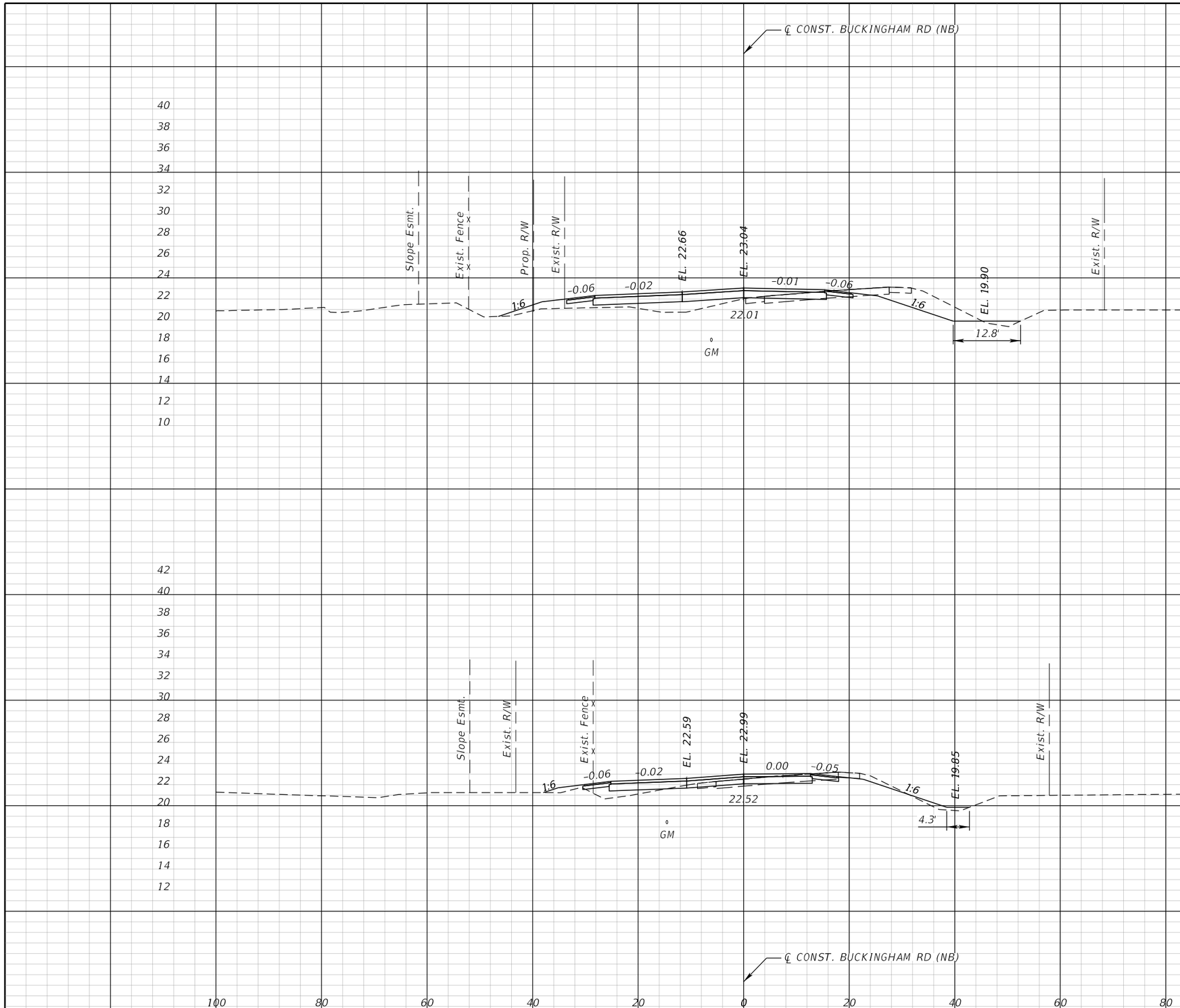
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (2) BUCKINGHAM RD

SHEET NO.
49



Regular Exc.		Embankment	
A	V	A	V
25	28	31	43
6	15	14	38

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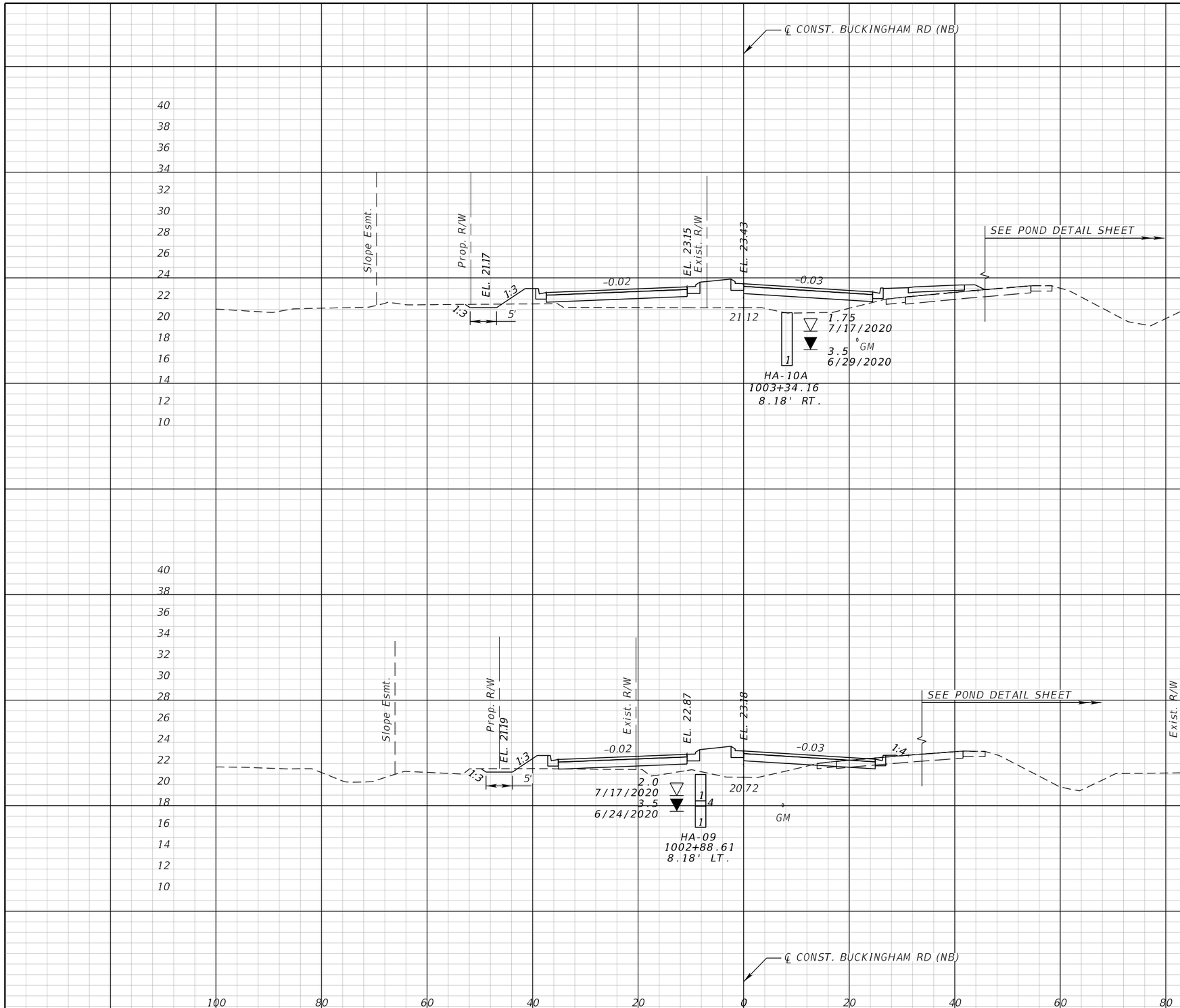
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (3) BUCKINGHAM RD

SHEET NO.
50



Regular Exc.		Embankment	
A	V	A	V
2	5	100	140
3	26	52	77

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DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

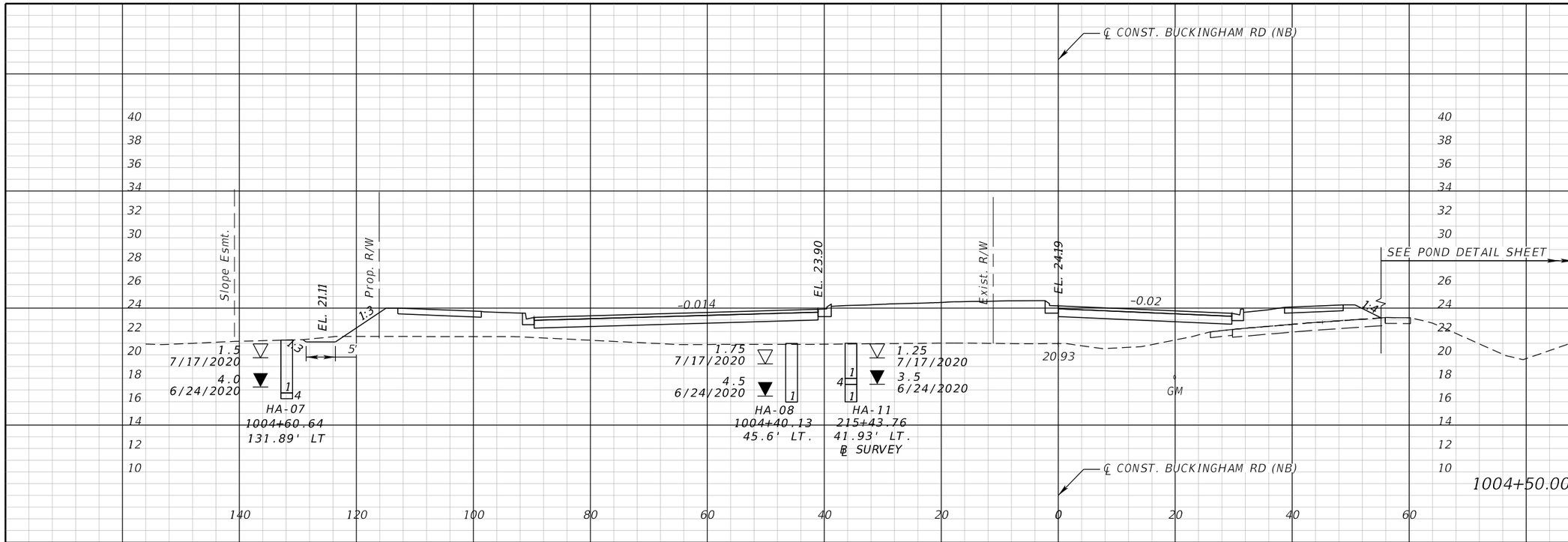
Lee County Department Of Transportation

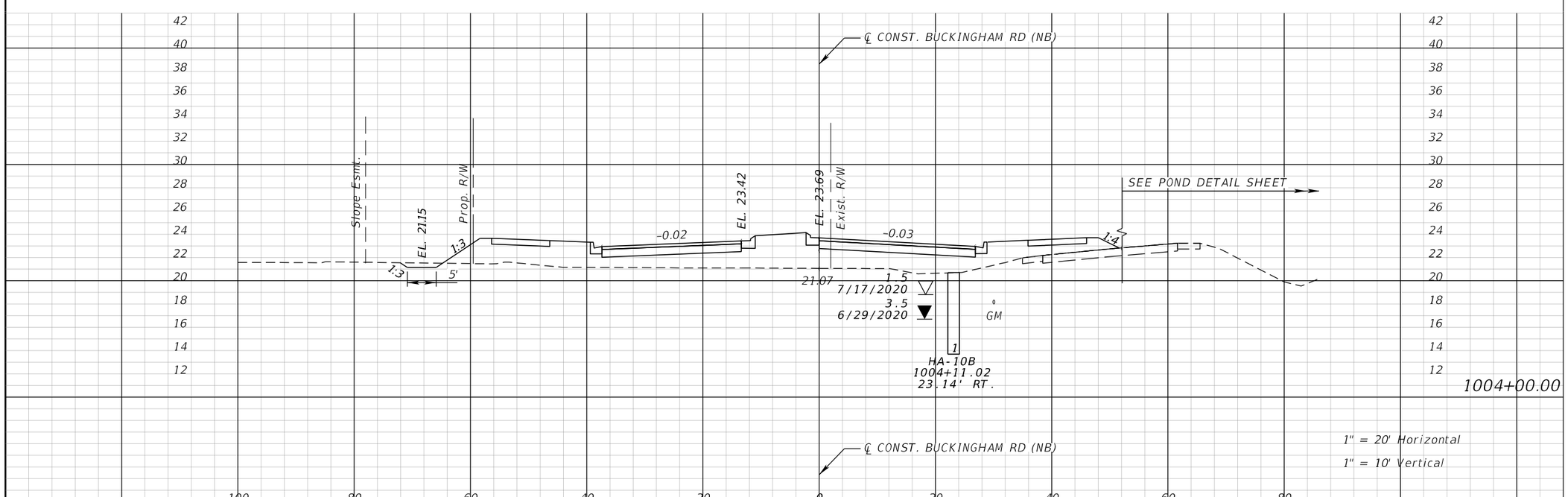
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (4) BUCKINGHAM RD

SHEET NO.
51





	Regular Exc.		Embankment	
	A	V	A	V
1004+50.00	2	5	372	601
1004+00.00	2	4	186	268

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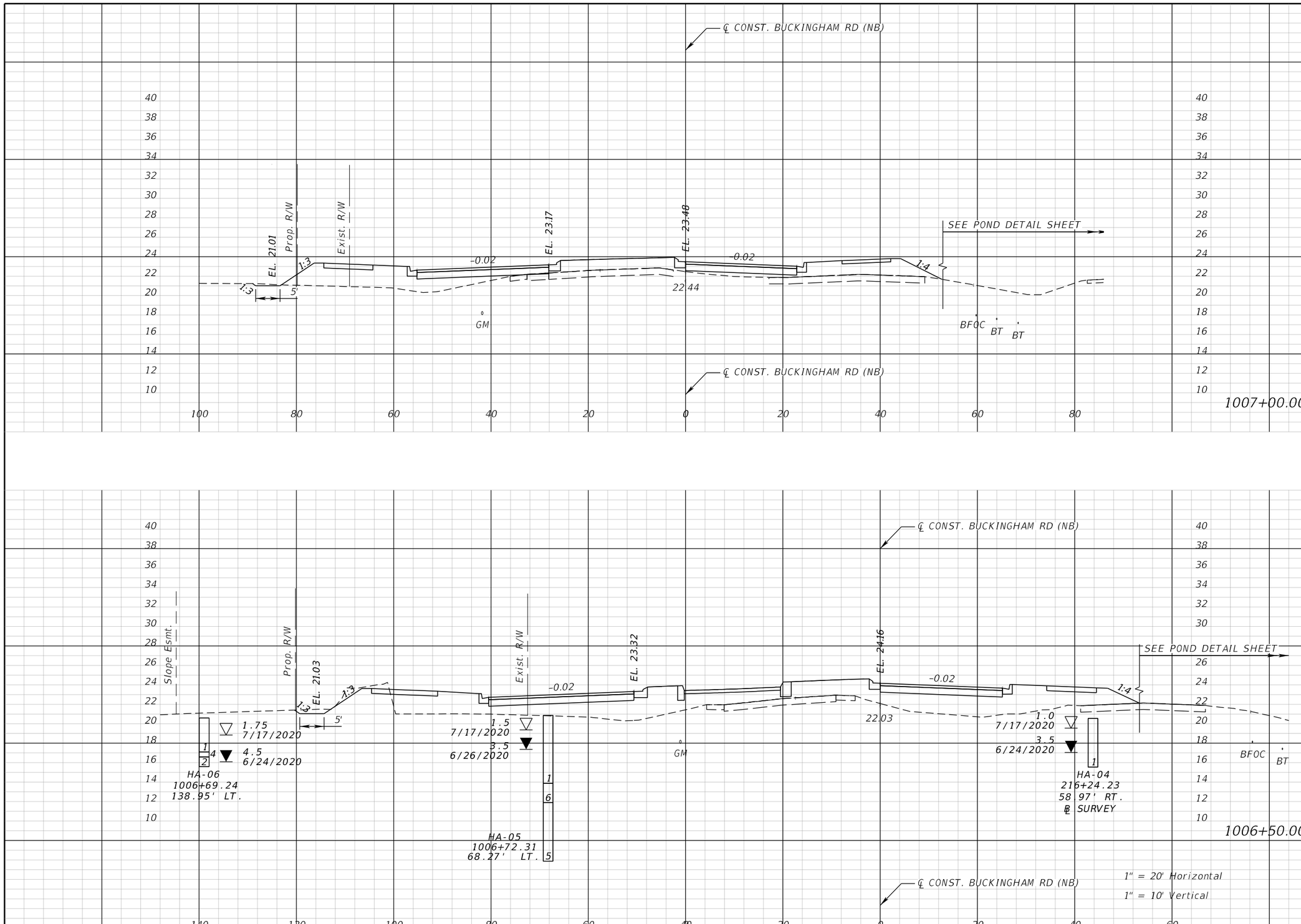
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (5) BUCKINGHAM RD

SHEET NO.
52



Regular Exc.		Embankment	
A	V	A	V
1	9	179	418
9	39	284	2241

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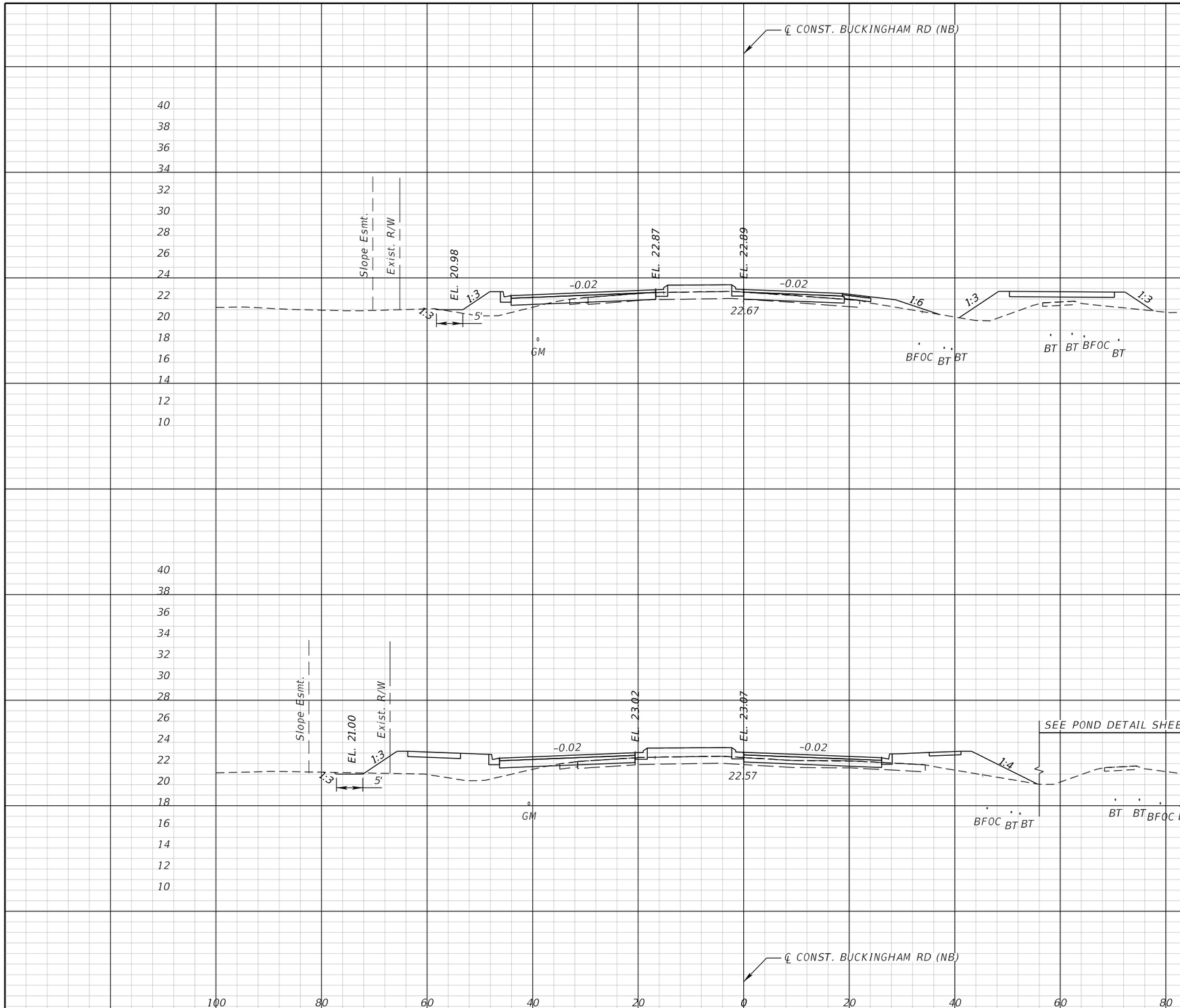
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (6) BUCKINGHAM RD

SHEET NO.
53



	Regular Exc.		Embankment	
	A	V	A	V
1008+00.00	11	11	86	192
1007+50.00	1	2	121	274

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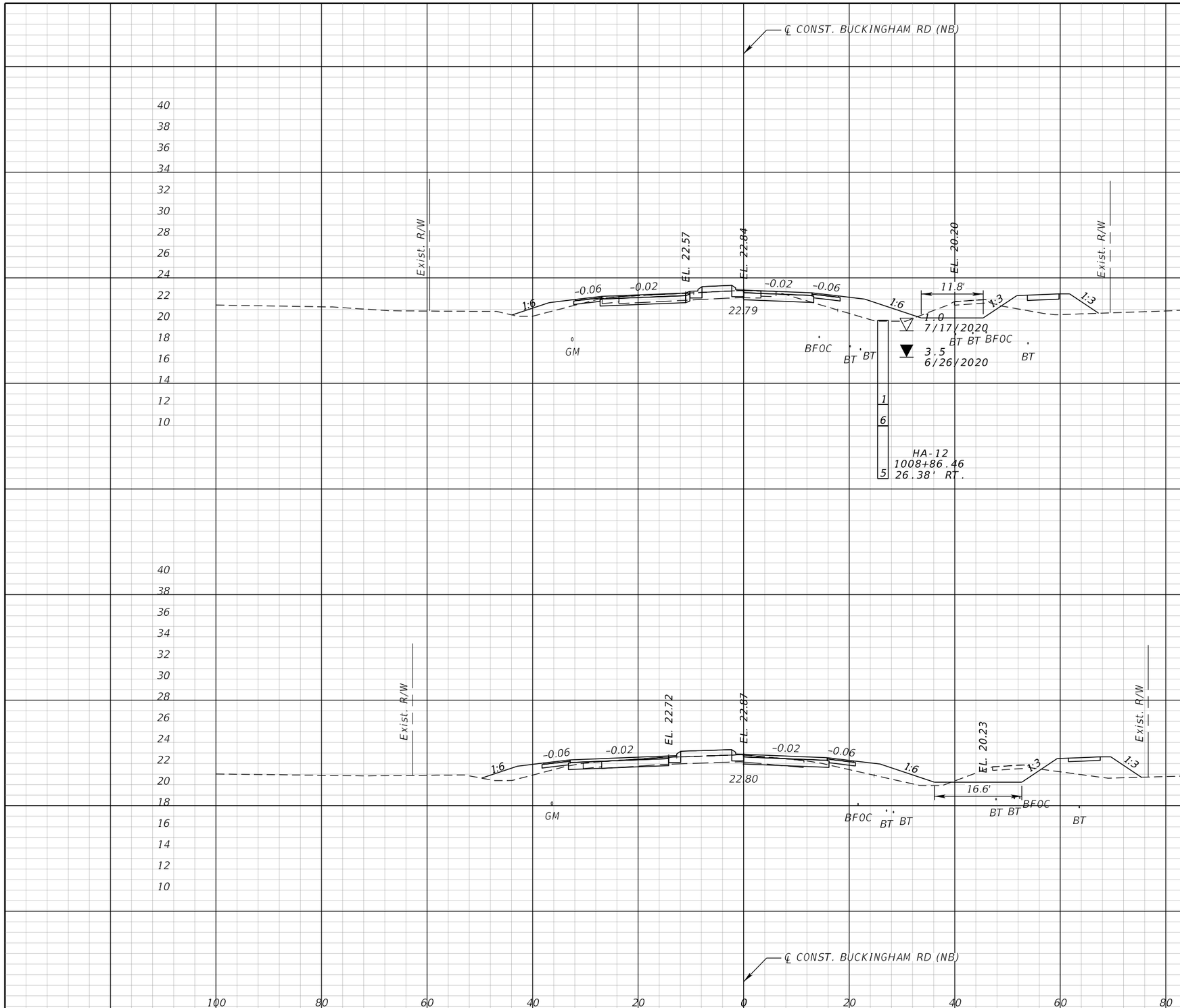
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (7) BUCKINGHAM RD

SHEET NO.
54



	Regular Exc.		Embankment	
	A	V	A	V
1009+00.00	9	13	53	107
1008+50.00	5	15	62	138

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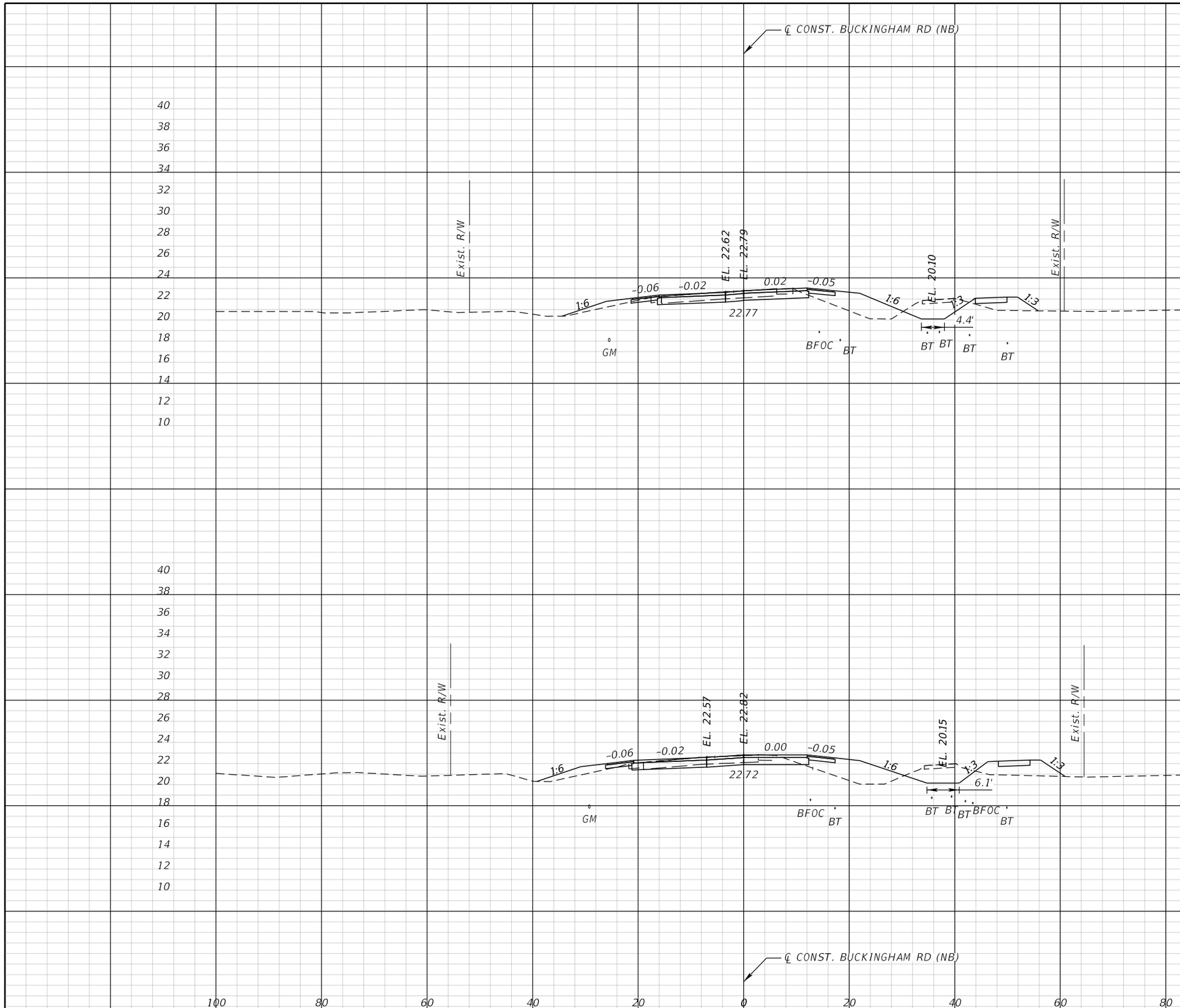
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (8) BUCKINGHAM RD

SHEET NO.
55



	Regular Exc.		Embankment	
	A	V	A	V
1010+00.00	16	28	35	74
1009+50.00	14	22	45	92

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REVISIONS			
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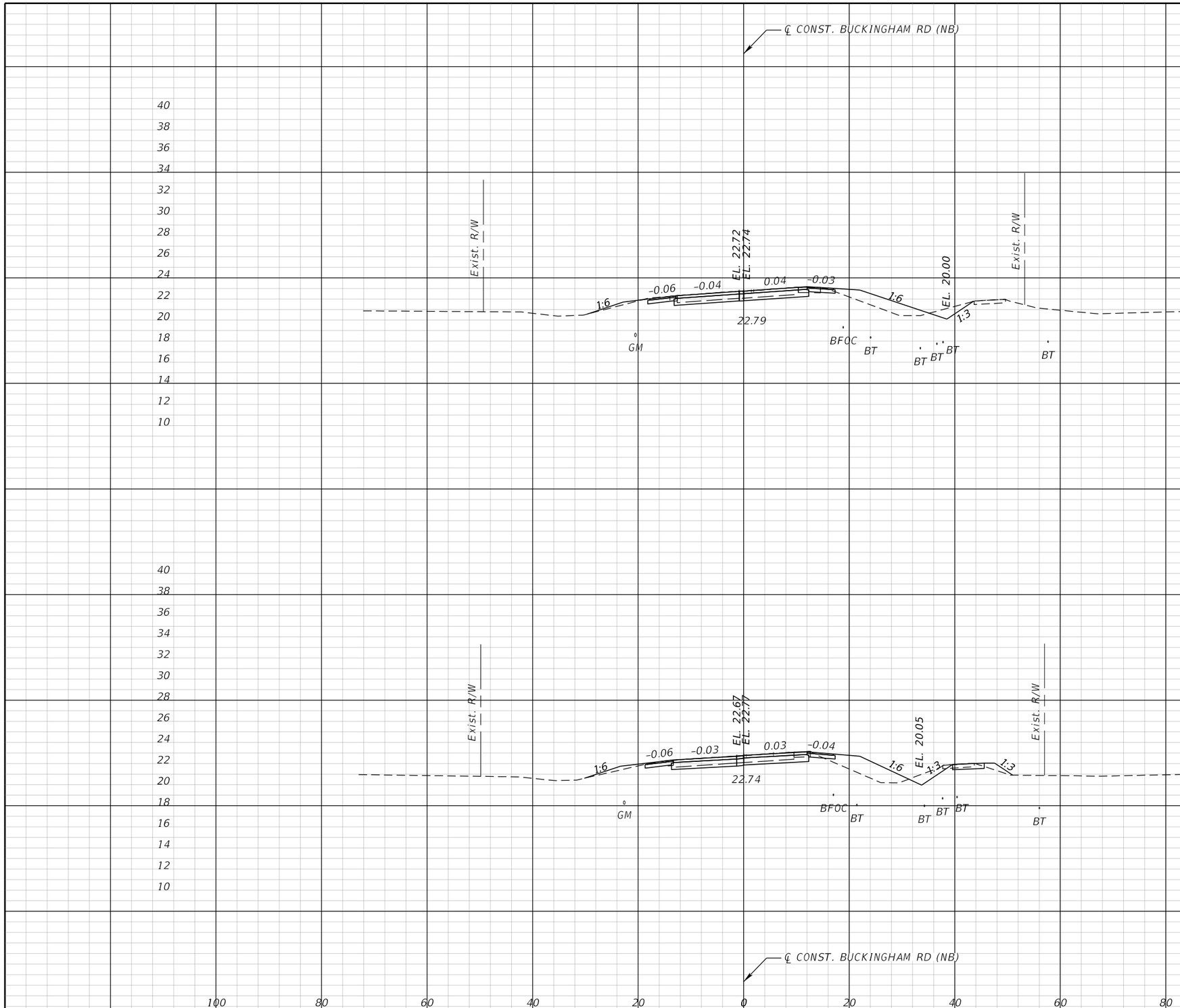
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (9)
BUCKINGHAM RD

SHEET NO.
56



	Regular Exc.		Embankment	
	A	V	A	V
1011+00.00	15	27	17	36
1010+50.00	14	28	22	53

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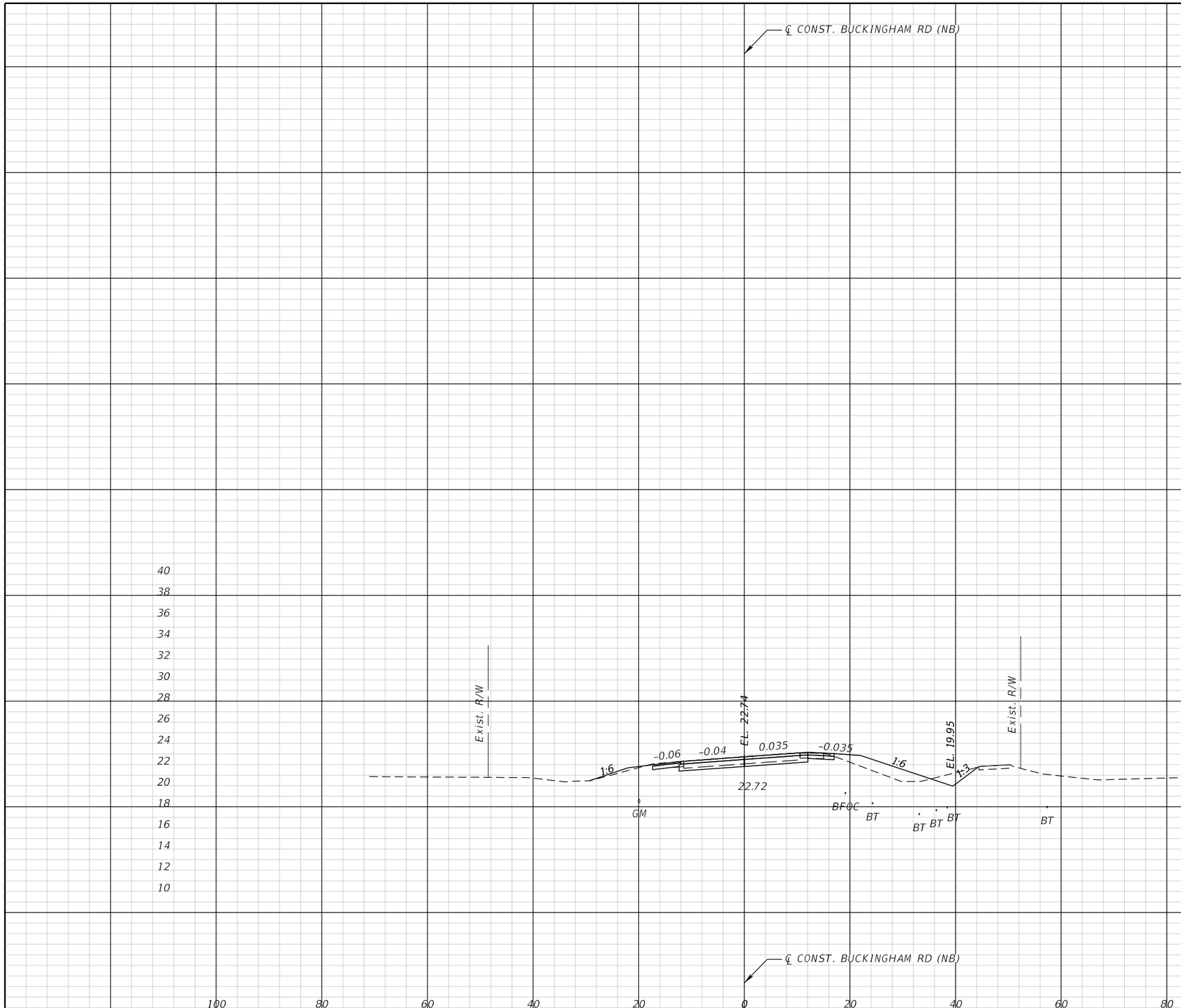
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (10)
BUCKINGHAM RD

SHEET NO.
57



Regular Exc.		Embankment	
A	V	A	V
15	7	17	7

1011+12.02

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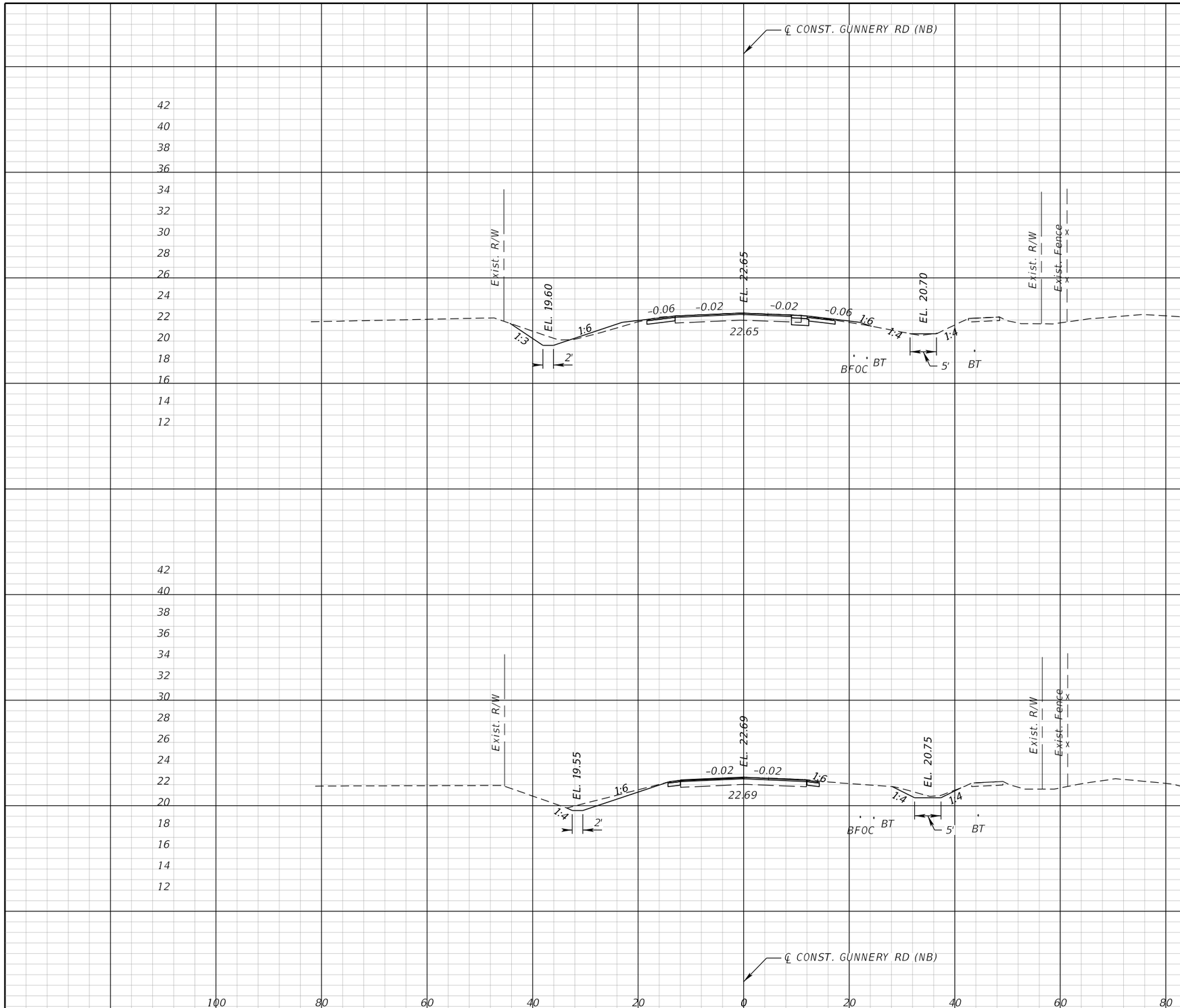
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (11)
BUCKINGHAM RD

SHEET NO.
58



	Regular Exc.		Embankment	
	A	V	A	V
3000+50.00	6	8	16	26
3000+00.00	2	0	12	0

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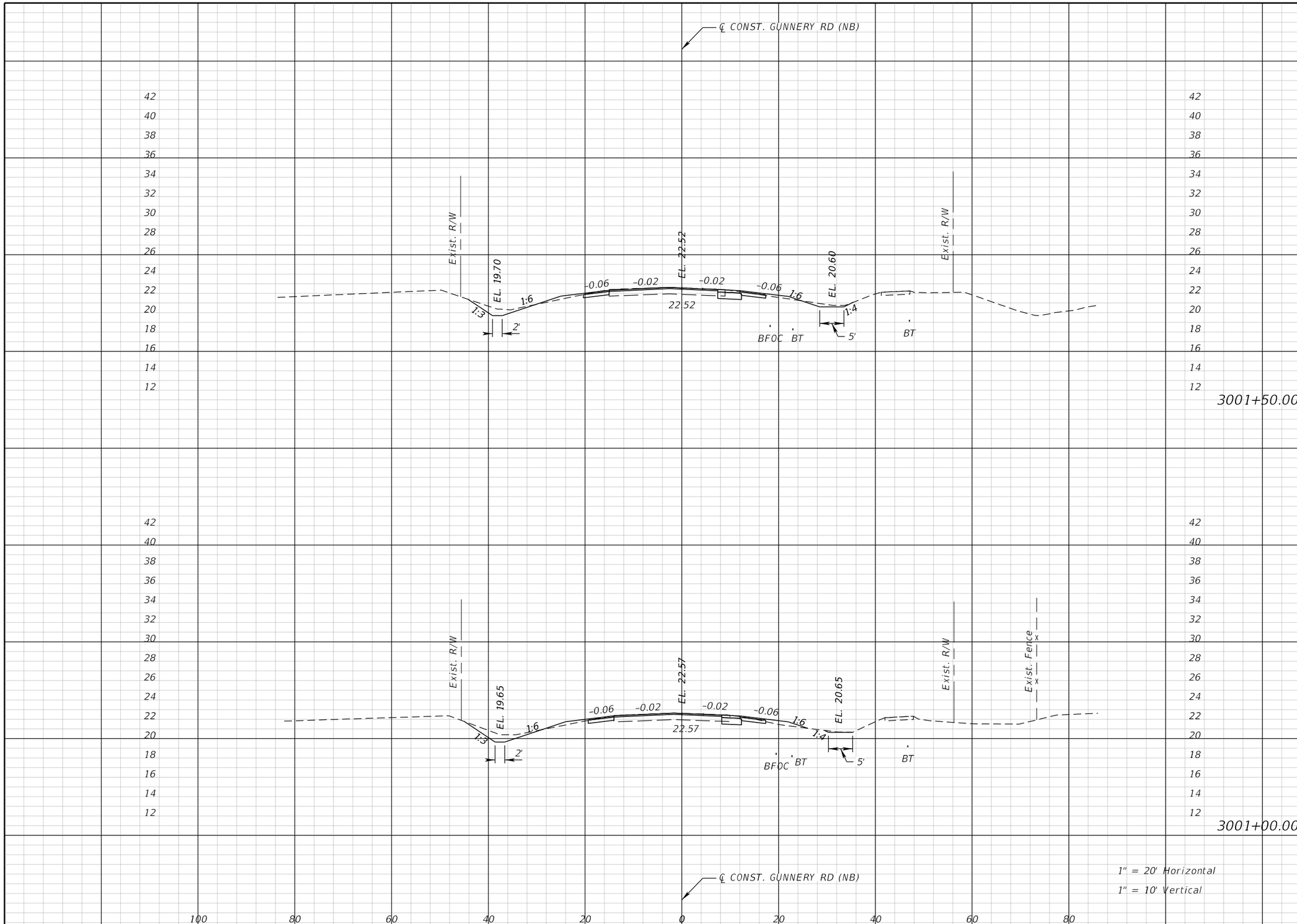
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (12)
GUNNERY RD

SHEET NO.
59



	Regular Exc.		Embankment	
	A	V	A	V
3001+50.00	7	13	15	29
3001+00.00	6	12	16	30

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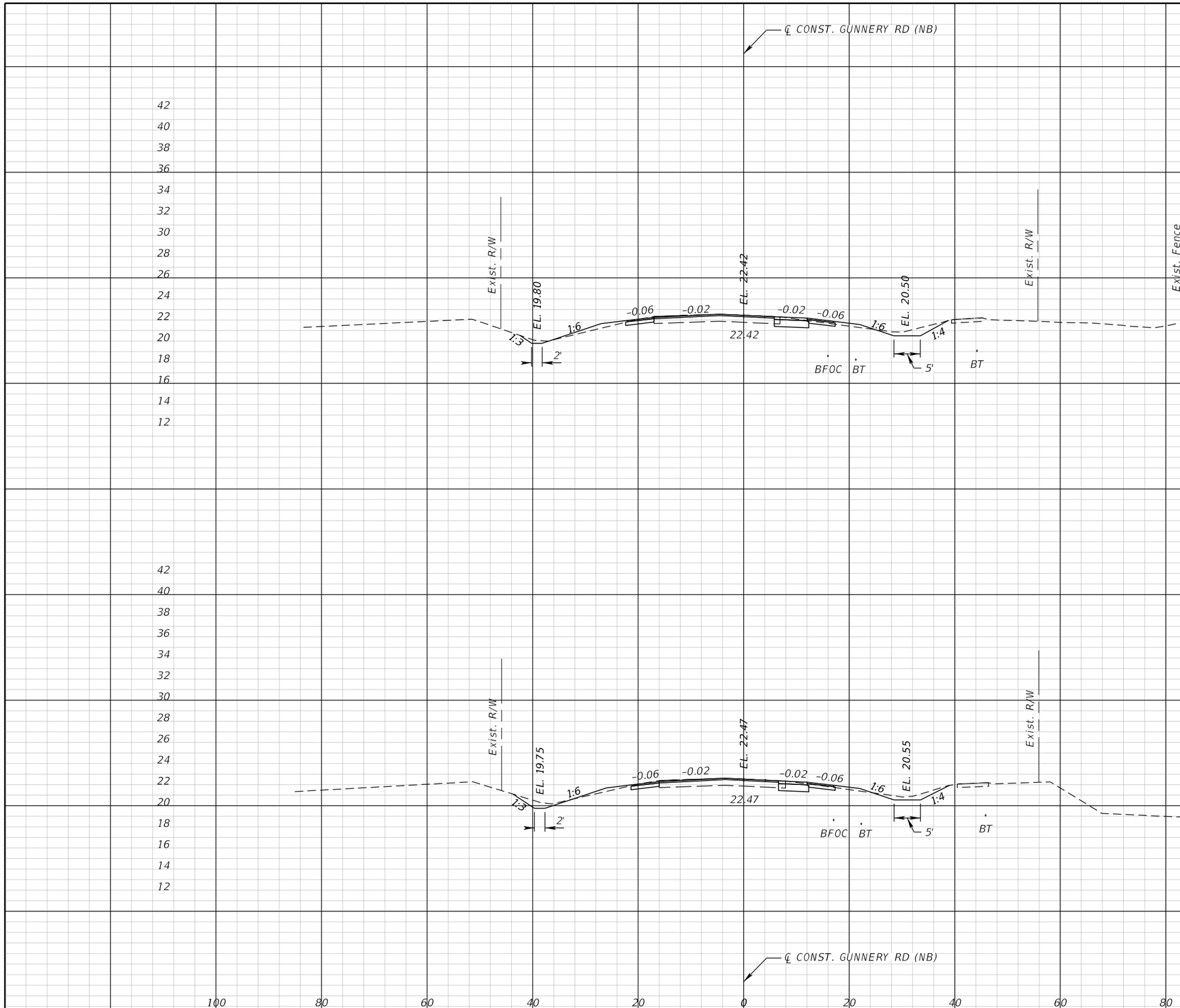
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (13)
GUNNERY RD

SHEET NO.
60



	Regular Exc.		Embankment	
	A	V	A	V
3002+50.00	8	15	17	29
3002+00.00	8	14	15	28

REVISIONS			
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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (14)
GUNNERY RD

SHEET NO.
61

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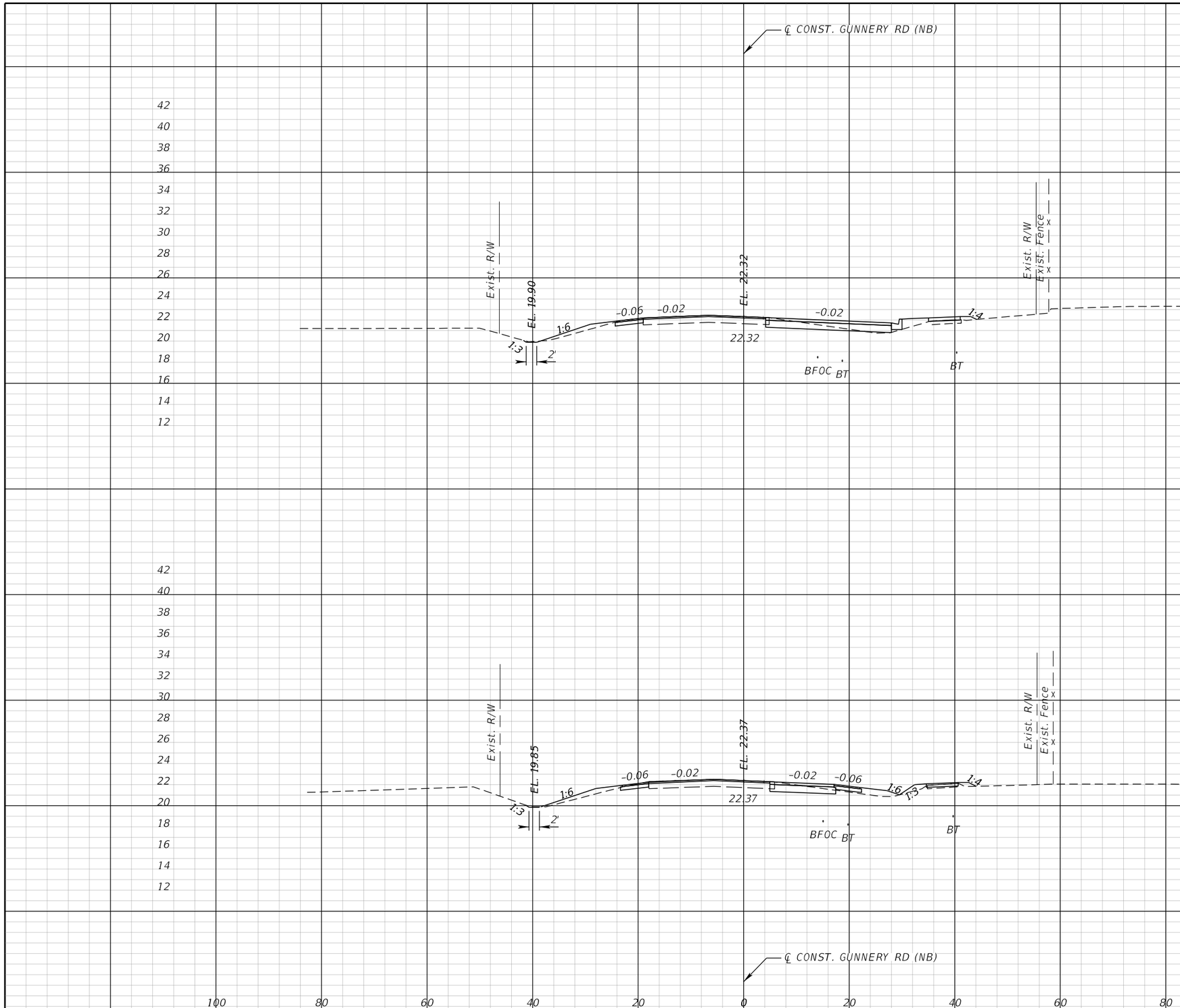

	Regular Exc.		Embankment	
	A	V	A	V
3003+50.00	11	19	23	44
3003+00.00	10	16	24	38

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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
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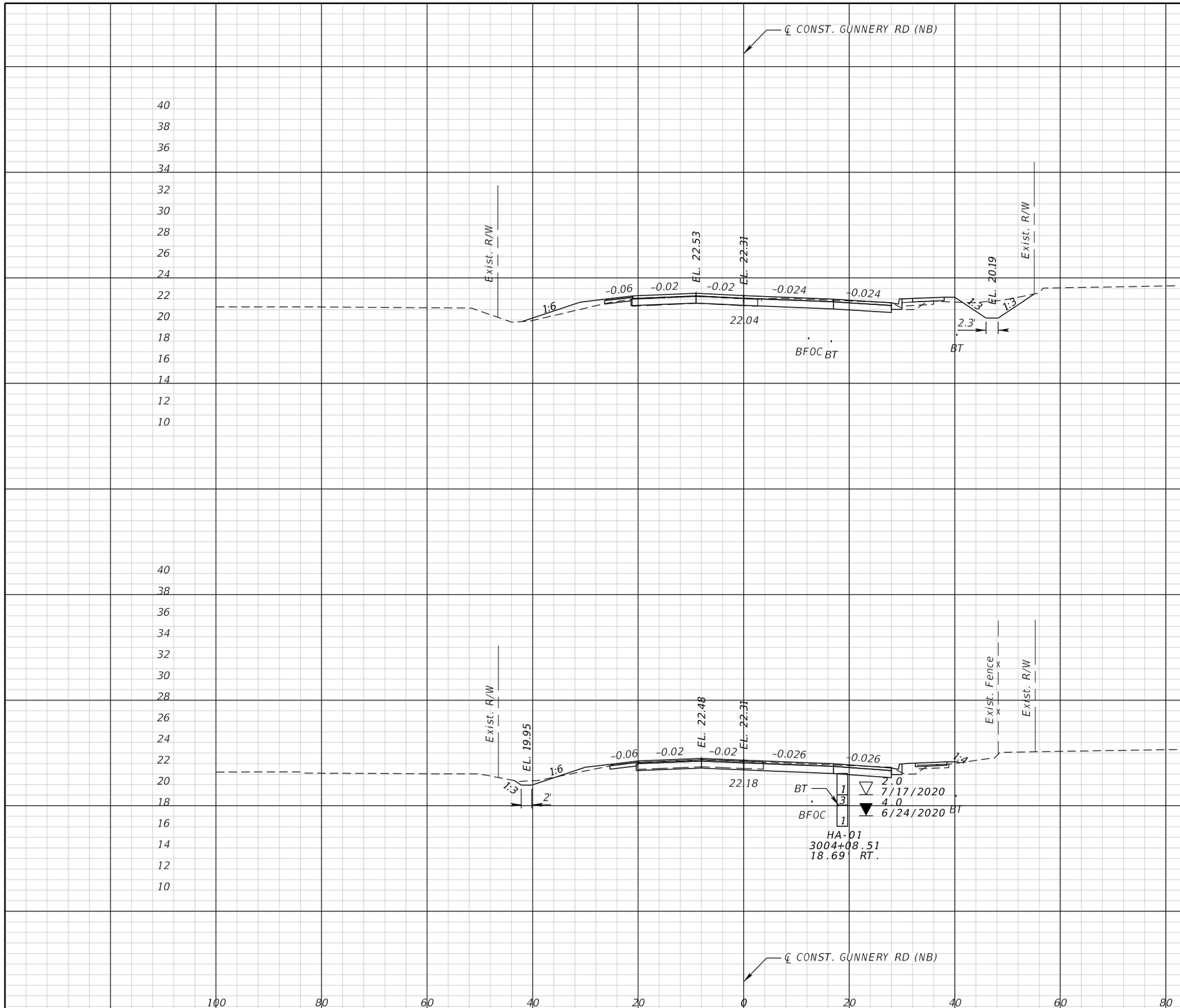
CROSS SECTIONS (15)
GUNNERY RD

SHEET NO.
62



	Regular Exc.		Embankment	
	A	V	A	V
3004+50.00	22	45	12	17
3004+00.00	26	34	7	27

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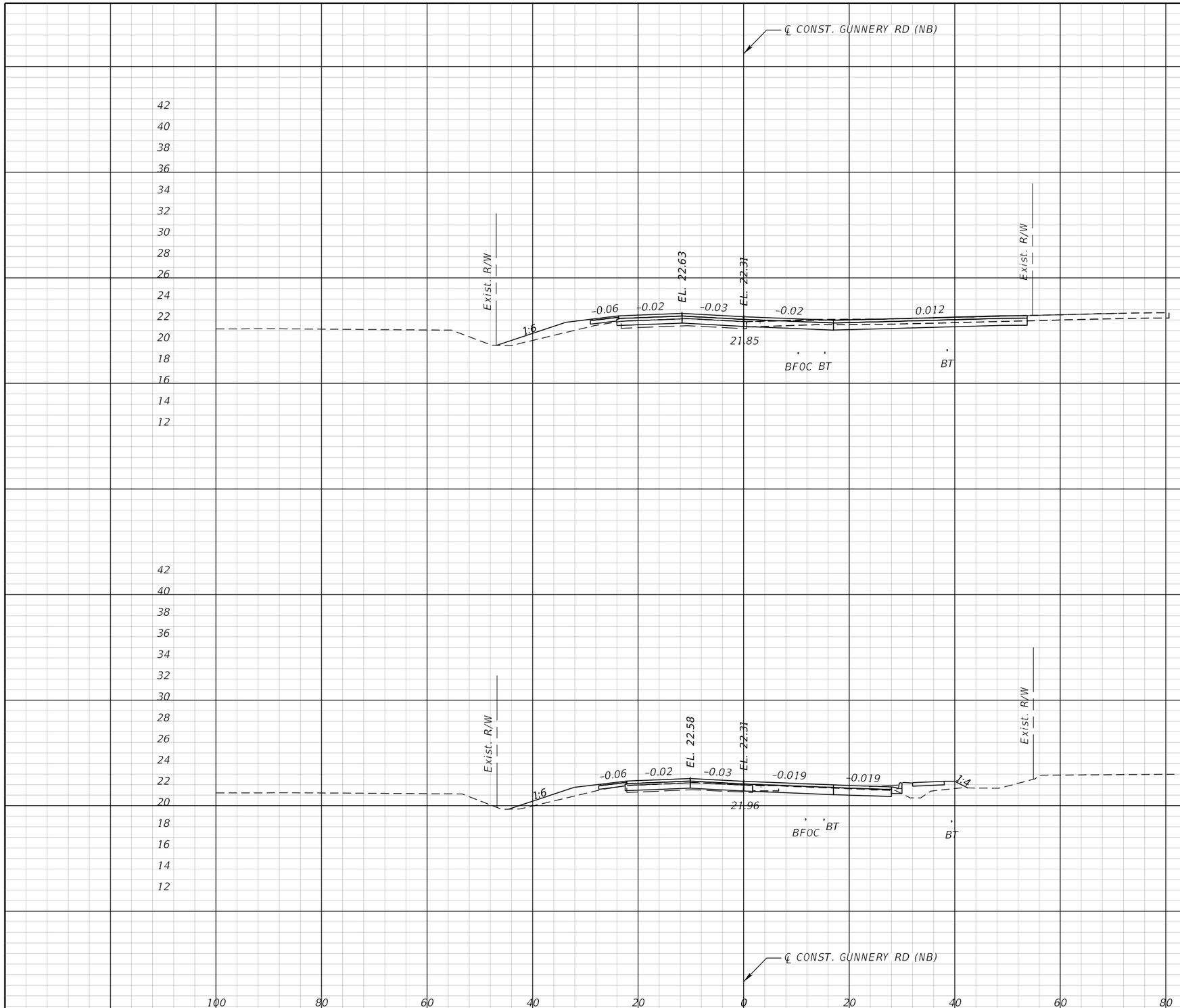
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (16)
GUNNERY RD

SHEET NO.
63



Regular Exc.		Embankment	
A	V	A	V
20	32	19	38
15	34	23	32

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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

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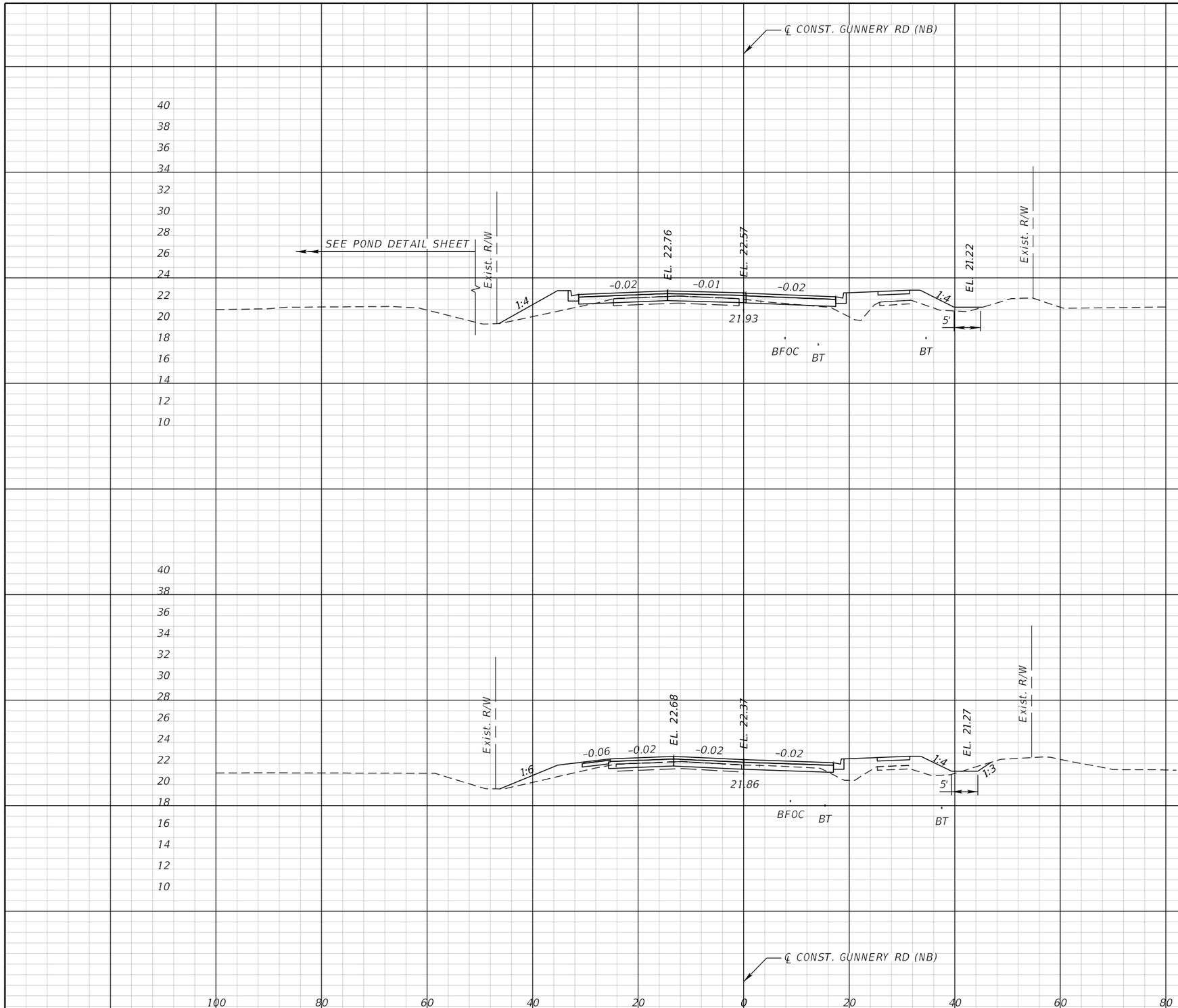
CROSS SECTIONS (17)
GUNNERY RD

SHEET NO.
64



	Regular Exc.		Embankment	
	A	V	A	V
3006+50.00	3	9	52	90
3006+00.00	7	24	45	59

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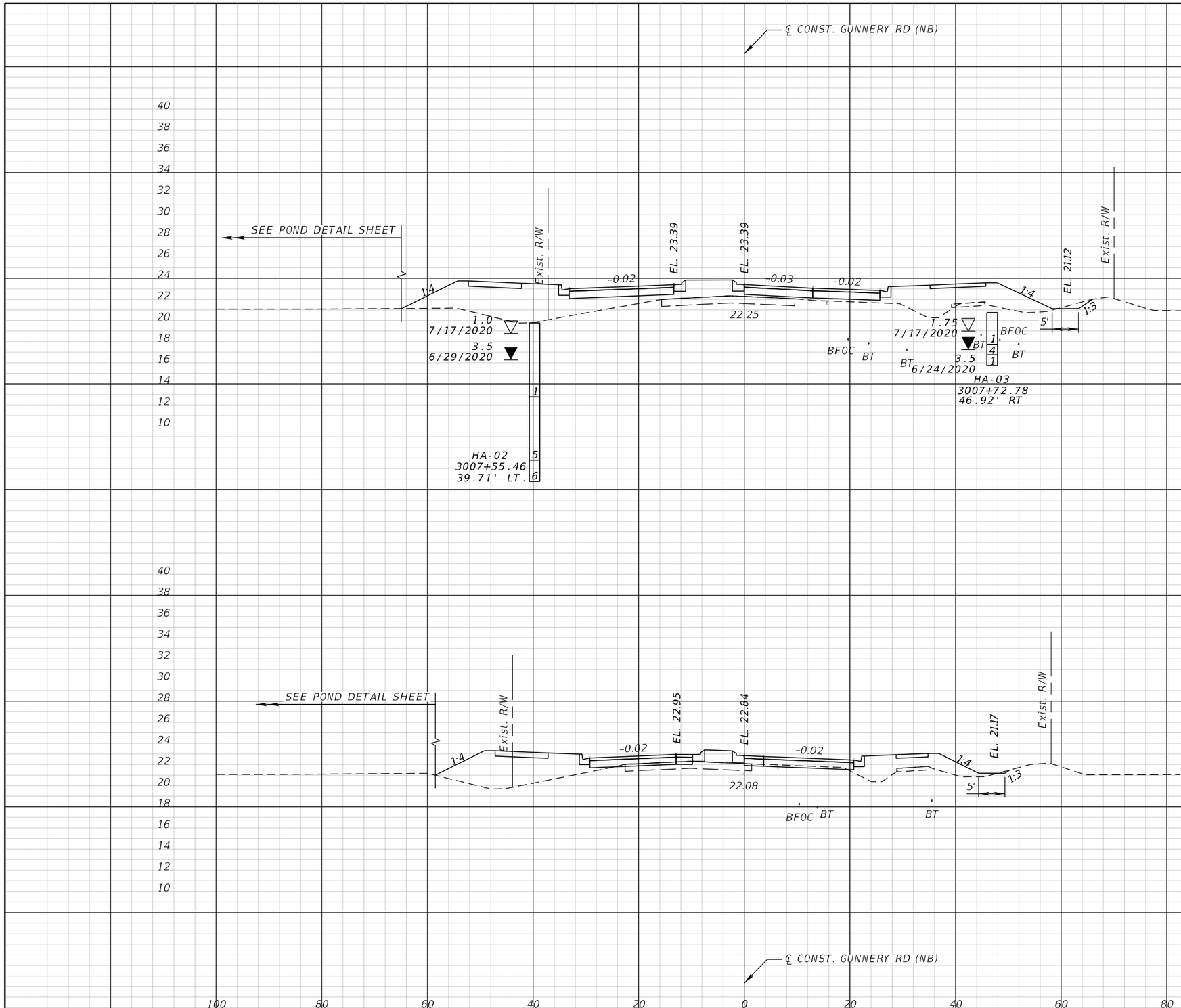
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (18)
GUNNERY RD

SHEET NO.
65



	Regular Exc.		Embankment	
	A	V	A	V
3007+50.00	0	3	194	274
3007+00.00	3	5	119	157

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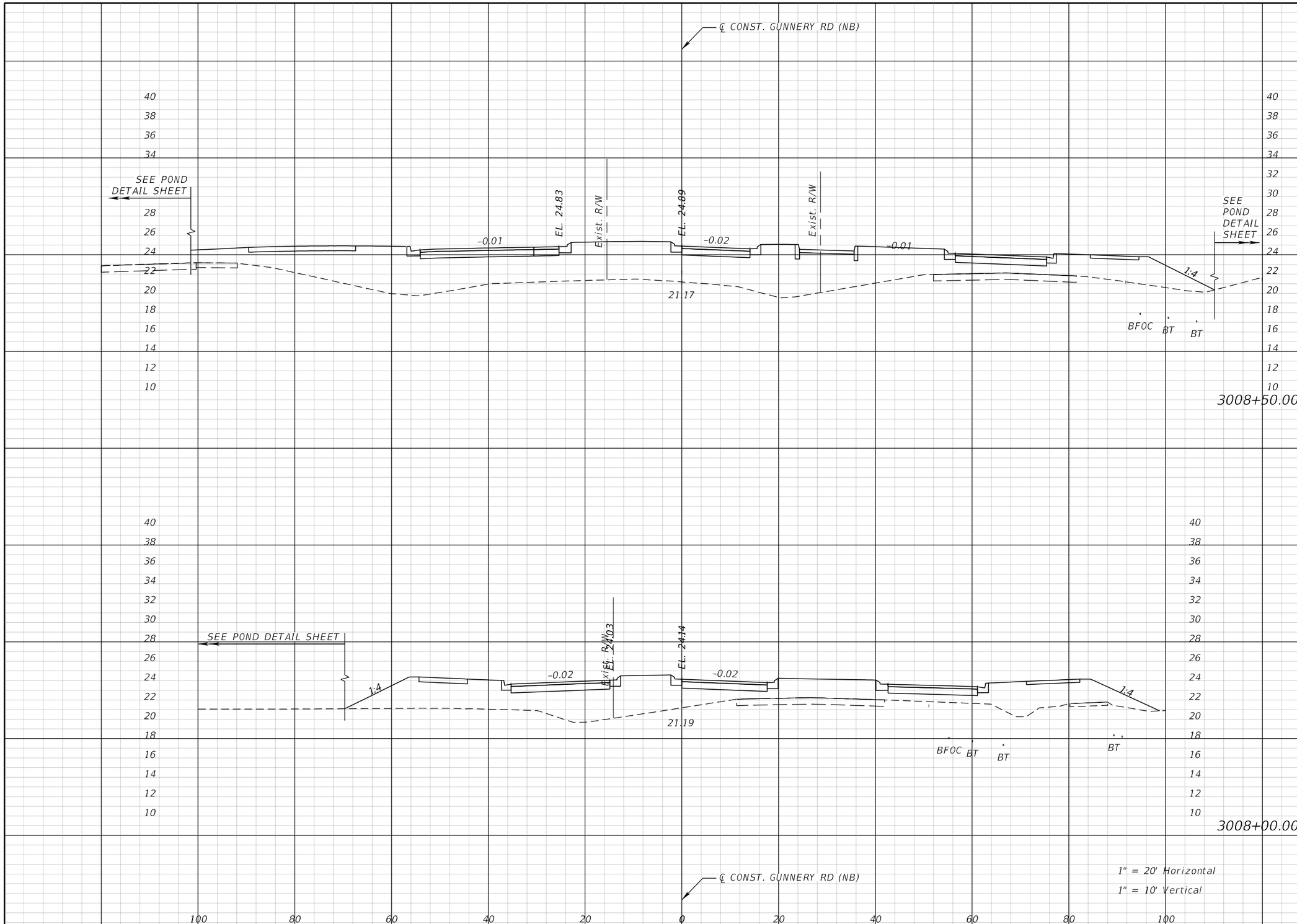
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

CROSS SECTIONS (19)
GUNNERY RD

SHEET NO.
66



Regular Exc.		Embankment	
A	V	A	V
0	0	625	916
0	0	368	521

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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
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CROSS SECTIONS (20)
GUNNERY RD

SHEET NO.
67

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE STANDARD PLANS, 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 THE RECONSTRUCTION OF THE INTERSECTION OF BUCKINGHAM ROAD AND GUNNERY ROAD TO A TWO-LANE ROUNDABOUT. THIS INVOLVES CONSTRUCTING ROADWAY SURFACE, CURB AND GUTTER, SPLITTER ISLANDS, SIDEWALK, UNDERGROUND STORM DRAIN SYSTEMS, STORMWATER MANAGEMENT FACILITIES, LIGHTING, AND LANDSCAPING.

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 A SEQUENCE IS PROPOSED 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 PONDS.

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.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 12.84 ACRES
TOTAL AREA TO BE DISTURBED: 6.38 ACRES

1.D. RUNOFF DATA:

RUNOFF COEFFIECIENTS:

BEFORE: 0.46
AFTER: 0.56

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). THE RESULTS OF SOIL BORINGS DONE IN THE PONDS ARE SHOWN ON THE POND DETAIL SHEETS. THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE CLAYEY SANDS.

OUTFALL INFORMATION:

THERE IS 1 OUTFALL.

#1 DESCRIPTION: POND DISCHARGE TO EXISTING OUTSIDE SWALE.

LOCATION: LATITIUDE 30° 24' 30" N, LONGITUDE, 84° 16' 45" W.
EST. DRAINAGE AREA SIZE: 13.6 ACRES
RECEIVING WATER NAME: NOT APPLICABLE.

1.E. 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. THE BACK OF SIDEWALK PROFILE SHEETS SHOW OVERLAND FLOW DIRECTION AT THE RIGHT OF WAY LINE. THE ARROWS ABOVE AND BELOW THE PROFILE REPRESENT THE FLOW DIRECTION AT THE LEFT AND RIGHT PROPERTY LINE, RESPECTIVELY. ARROWS POINTING TO THE PROFILE INDICATE RUNOFF COMING TO THE SITE. POINTING AWAY FROM THE SITE INDICATE RUNOFF LEAVING THE SITE.

*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 PONDS ARE 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.

* DISCHARGE POINTS TO SURFACE WATERS: THERE IS ONLY ONE. THIS IS SHOWN ON THE PLAN-PROFILE SHEETS NORTH OF THE EAST DITCH (DBI AT STATION 1008+20 50' RT (℄ CONST. BHAM NB).

1.F. RECEIVING WATERS:

SEE ITEM 1.D. FOR THE OUTFALL LOCATIONS. THERE ARE NO WETLAND AREAS ON THE PROJECT SITE.

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.A.1 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.

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL 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 FLUMES AND SWALES WILL BE CONSTRUCTED TO CONVEY RUNOFF TO TWO (2) STORMWATER RETENTION / DETENTION PONDS. THE FACILITIES WILL BE PERMITTED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND LEE COUNTY AND COMPLY WITH APPLICABLE STANDARD PLANS.

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.

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* 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. INCLUDE IN THE PROPOSED METHODS AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

* COVERING LOADED HAUL TRUCKS WITH TARPAULINS.

* 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.

* LEE COUNTY ENVIRONMENTAL MANAGEMENT ORDINANCE NUMBER 90-0-0044AA.

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.

* PONDS A AND B: THE PONDS ARE TEMPORARY SEDIMENT BASINS UNTIL THE AREAS THAT DRAIN TO THEM ARE STABILIZED, SO UNTIL THEN, REMOVE SEDIMENT FROM THE POND WHEN IT BECOMES 1.5' DEEP AT ANY POINT.

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, CONDUCT INSPECTION 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 S. RANDY STAFFORD, DISTRICT HAZARDOUS MATERIALS COORDINATOR AT (386) 943-5395.

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REVISIONS			
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Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

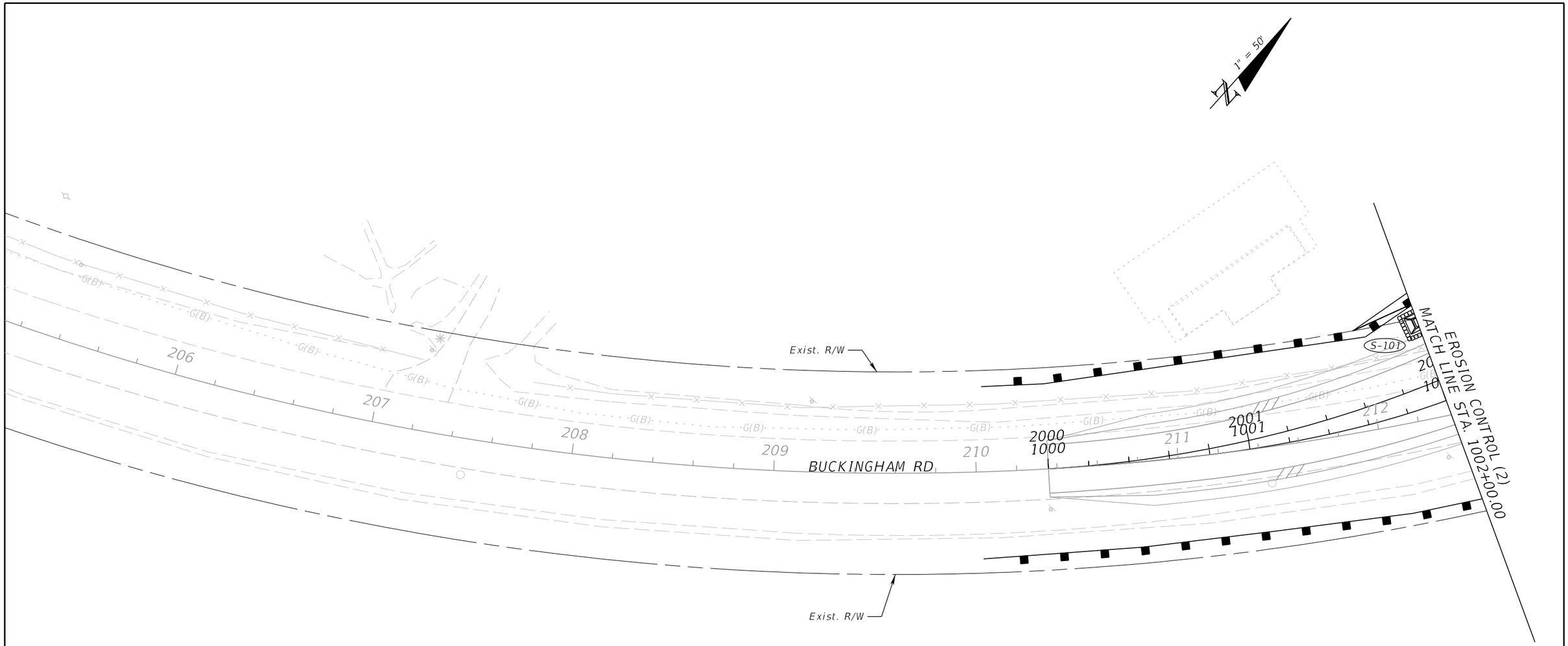
FINANCIAL PROJECT ID

442123-1-58-01

STORMWATER POLLUTION PREVENTION PLAN (2)

SHEET NO.

69



LEGEND

SEDIMENT BARRIER

INLET PROTECTION SYSTEM

REVISIONS			
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Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

EROSION CONTROL (1) BUCKINGHAM RD

SHEET NO.

70

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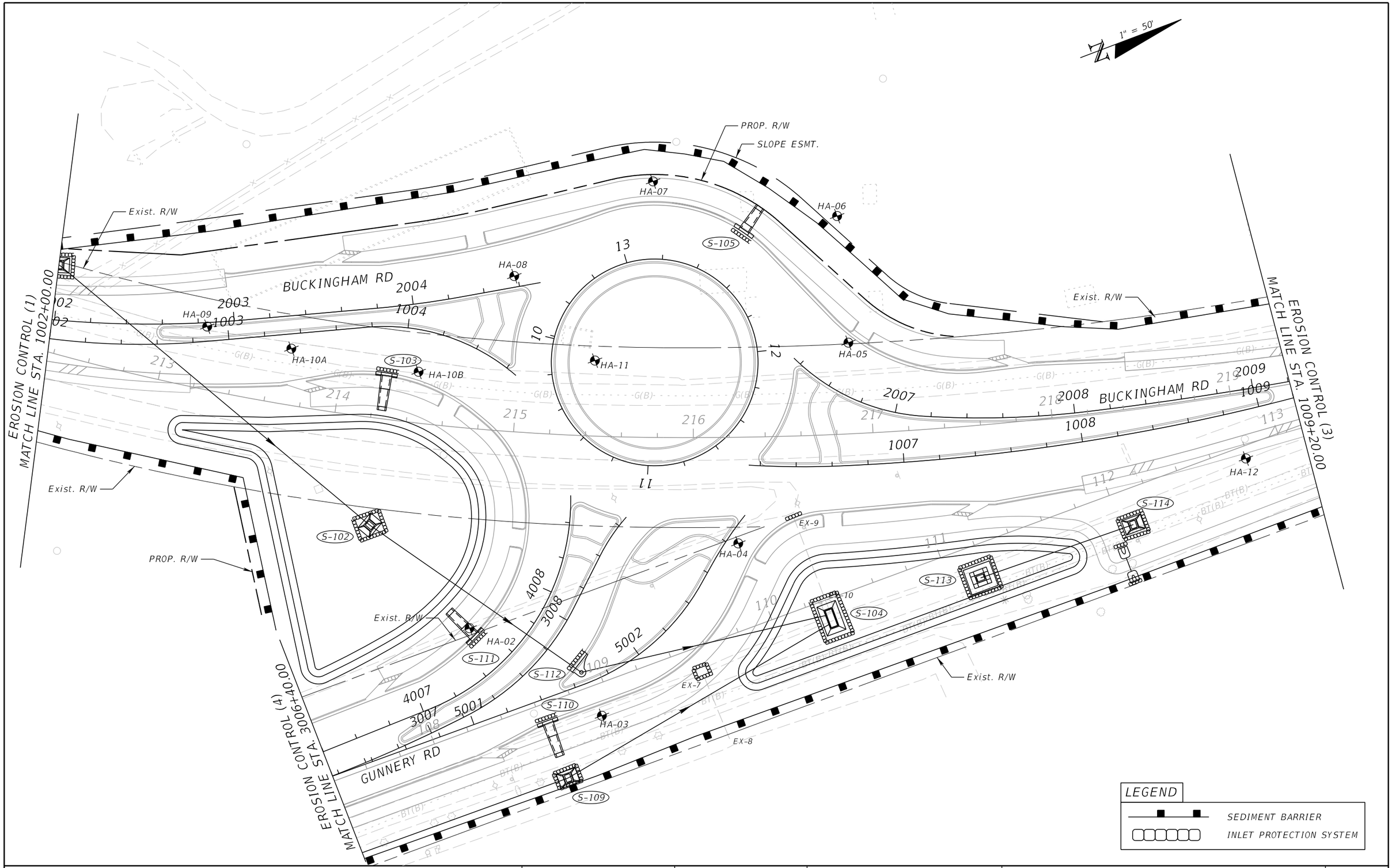

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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

EROSION CONTROL (2) BUCKINGHAM RD

SHEET NO.
71

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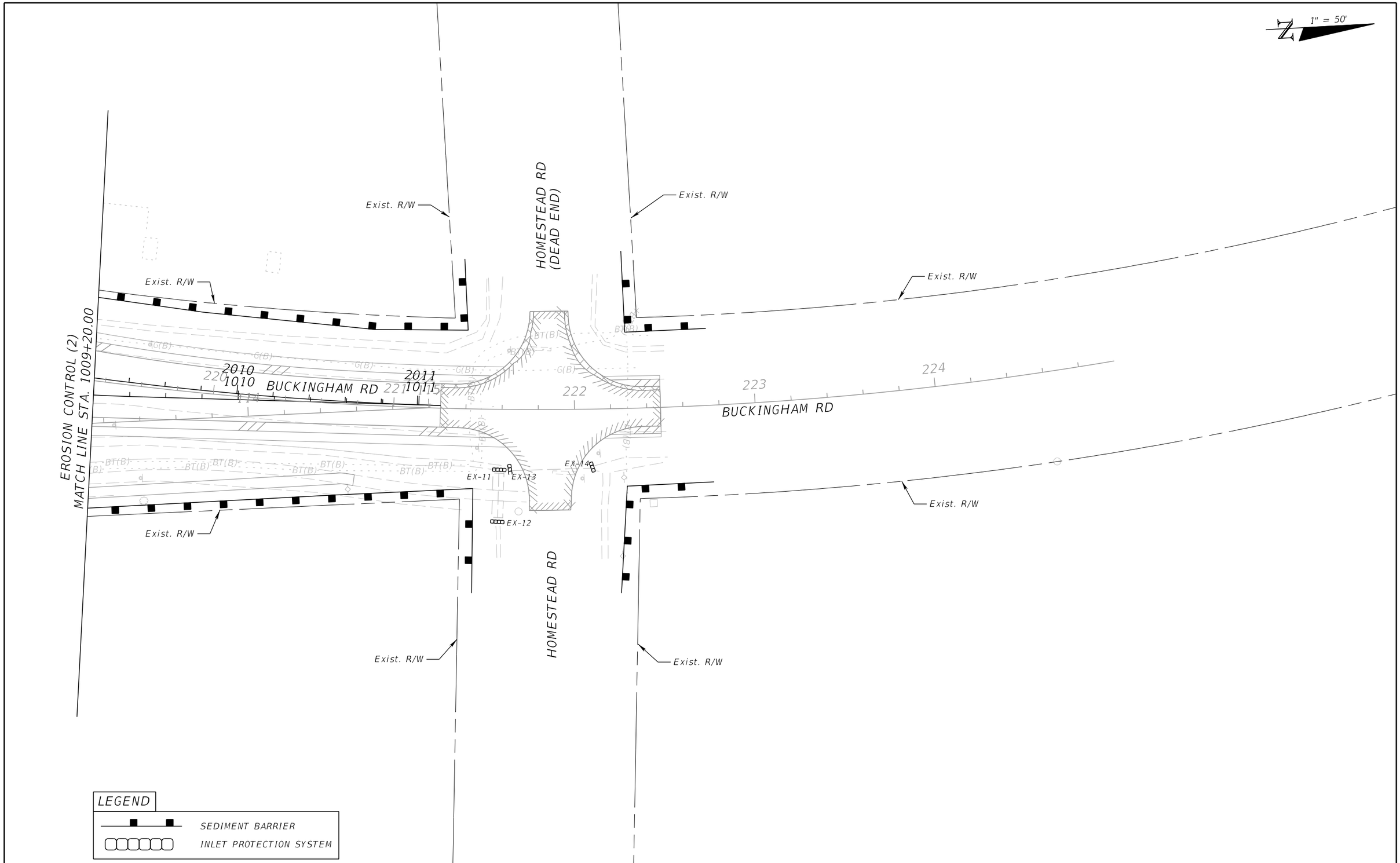

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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

EROSION CONTROL (3) BUCKINGHAM RD

SHEET NO.

72

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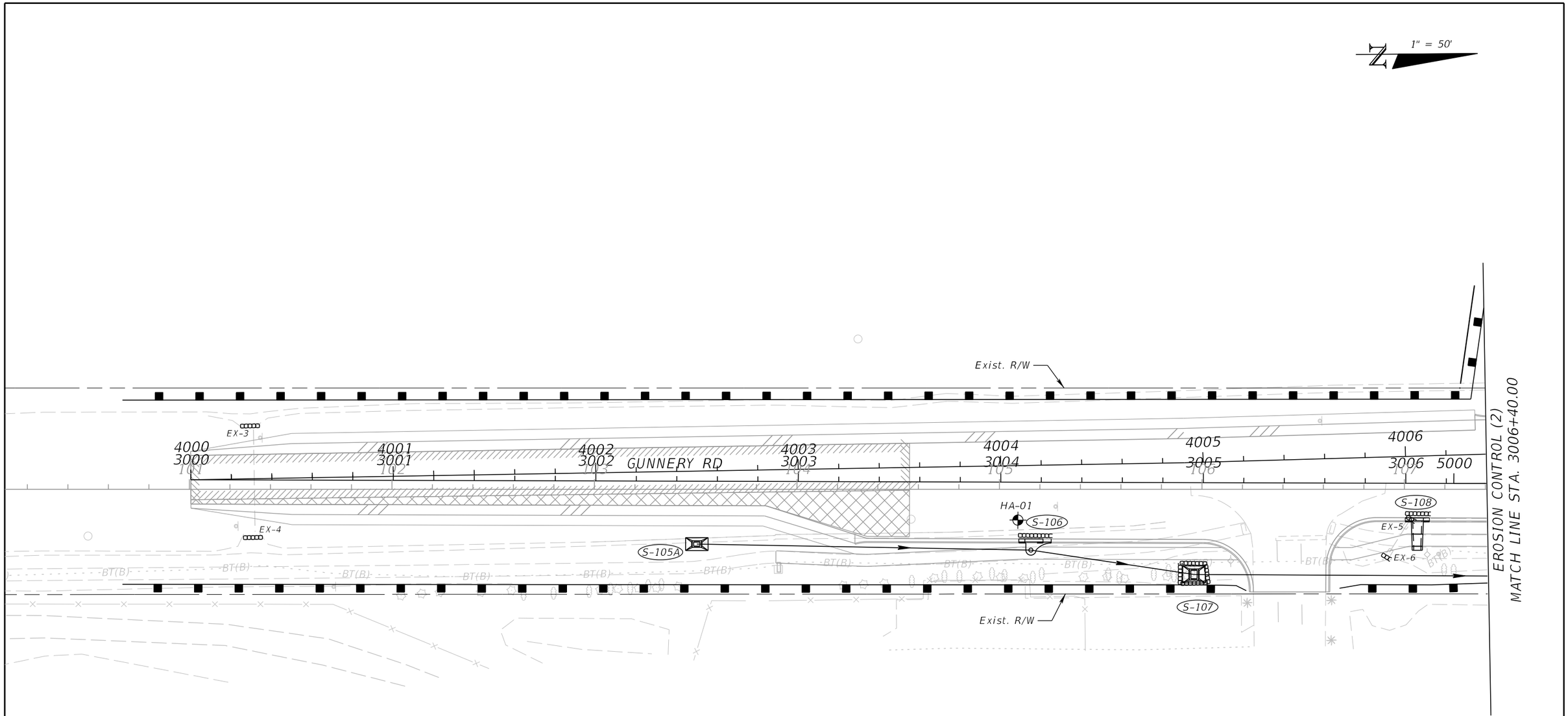

LEGEND

SEDIMENT BARRIER

INLET PROTECTION SYSTEM

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

EROSION CONTROL (4) GUNNERY RD

SHEET NO.

73

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

GENERAL:

1. FOR GENERAL TRAFFIC CONTROL ZONE REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO STANDARD PLANS INDEX, 102-000 SERIES. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH INDEX NO. 102-000 SERIES UNLESS OTHERWISE NOTED.

2. THROUGH ARROWS SHOWN ON TRAFFIC CONTROL PLANS INDICATE DIRECTION OF TRAFFIC. THEY DO NOT REPRESENT PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.

3. THE EXACT LOCATION OF ALL SIGNS AND BARRICADES SHALL BE DETERMINED IN THE FIELD TO MEET THE STANDARDS PLANS INDEX 102-000.

4. TEMPORARY REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED WITH TEMPORARY STRIPING IN ACCORDANCE WITH INDEXES 102-000 AND 706-001.

5. ONLY THE MAJOR WORK ITEMS ARE NOTED IN THE PHASING NOTES. ALL OTHER ANCILLARY CONSTRUCTION (DRAINAGE, GRADING, UTILITY RELOCATION, SODDING, ETC.) IN THE WORK ZONE IS TO BE INCLUDED IN THE SAME PHASE AS THE ADJACENT ROADWAY.

6. THE REGULATORY SPEED USED FOR TTC CALCULATIONS FOR EACH FACILITY ARE NOTED BELOW. MODIFICATIONS OF THE REGULATORY SPEED MAY REQUIRE RESUBMITTAL OF THE TTC PLAN. THE REGULATORY SPEED SHALL NOT BE ALTERED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

   EXISTING REGULATORY POSTED SPEEDS ARE AS FOLLOWS:
   * BUCKINGHAM RD = 35 MPH * GUNNERY RD = 35 MPH

   PLACE W13-1P (15 MPH ADVISORY) AND W24-1R SIGNS PRIOR TO PHASE III CONSTRUCTION.

7. ALL EXISTING PAVEMENT MARKINGS OUTSIDE OF THE CONSTRUCTION LIMITS THAT ARE REMOVED FOR TRAFFIC CONTROL PURPOSES ARE TO BE REPLACED IN-KIND UPON COMPLETION OF THE TRAFFIC CONTROL PURPOSE WHICH CAUSED ITS REMOVAL.

8. THROUGHOUT THE MILLING & GRINDING OPERATIONS, USE A SELF-CONTAINED VACUUM TYPE MOBILE BROOM, OR EQUIVALENT, FOR CLEANUP OF MILLED DUST MATERIAL.

9. ENSURE THAT STREET NAME SIGNS ARE VISIBLE TO FACILITATE EMERGENCY VEHICLE TRAFFIC.

10. THERE WILL BE NO PAVEMENT MARKING ERADICATION PERMITTED AFTER THE FINAL ASPHALT COURSE IS PLACED. ANY EXISTING ROADWAYS THAT HAVE TEMPORARY STRIPING ERADICATED SHALL HAVE THE FULL WIDTH OF THE EXISTING TOP PAVEMENT COURSE MILLED AND RESURFACED PRIOR TO FINAL ACCEPTANCE.

11. MAINTAIN ACCESS TO THE EXISTING CHURCH ENTRANCE DURING ALL PHASES OF CONSTRUCTION THROUGH THE USE OF CHANNELIZING DEVICES AND FLAGGING OPERATIONS WITH ONE-LANE TWO-WAY ACCESS.

SIGNING & PAVEMENT MARKING:

1. ALL EXISTING WARNING, GUIDE AND REGULATORY SIGNS SHALL BE MAINTAINED AT ALL TIMES. SIGNS SHALL BE RELOCATED, REMOVED OR COVERED FOR EACH PHASE'S TRAFFIC PATTERN.

2. BUSINESS ENTRANCE SIGNS SHALL BE LOCATED WITHIN THE LIMITS OF THE PROJECT AS REQUIRED BY INDEX 102-000 OR AS DIRECTED BY THE ENGINEER.

LANE CLOSURES / DETOURS:

1. IN ACCORDANCE WITH FDOT SPECIFICATION 8-8.4, SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:
   A. CELTIC FESTIVAL
   B. EDISON FESTIVAL OF LIGHT
   C. TASTE OF LEE
   D. FORT MYERS BOAT SHOW

2. THE PRIMARY DETOURS ILLUSTRATED IN THE DETOUR SHEETS SHOULD BE APPLIED IN ALL INSTANCES UNLESS THERE ARE CONSTRUCTION CONSTRAINTS.

3. COORDINATE ALL WORK, LANE CLOSURES, AND TEMPORARY TRAFFIC CONTROL WITH ANY OTHER PROJECTS IN THE VICINITY.

4. ACCESSABILITY TO LOCAL TRAFFIC TO BE MAINTAINED AT ALL TIMES.

5. TRAFFIC SHIFT SET UPS AND BREAK DOWNS, ROADWAY STRIPING AND MARKING SHALL BE DONE DURING NIGHT HOURS OF 7 PM TO 5 AM.

6. NO LANE CLOSURES ALLOWED FROM 7 PM TO 5 AM.

PCMS MESSAGES:

1. PLACE A PCMS SIGN 7 DAYS IN ADVANCE OF ANY MAINLINE OR SIDE STREET CLOSURES, TRAFFIC SHIFT OR DETOUR NOTIFYING THE PUBLIC OF THE UPCOMING EVENT.

2. PCMS MESSAGES BELOW WITH "XXXX RD" REPRESENT EITHER BUCKINGHAM RD (WRITTEN AS "BHAM RD), OR GUNNERY RD (WRITTEN AS "GNRY RD") DEPENDENT ON THE DETOUR PHASE.

PCMS MESSAGES IN ADVANCE OF PROPOSED CONSTRUCTION START DATE
500-FT IN ADVANCE OF WORK ZONE. THE FOLLOWING LEGEND SHALL DISPLAY CONTINUOUSLY AT EACH PCMS LOCATION UNTIL THE TIME OF THE ACTUAL ACTIVITY.

MESSAGE 1:	MESSAGE 2:
ROAD	BEGIN
WORK ON	MM/DD TO
XXXX RD	MM/DD

PCMS MESSAGES FOR TRAFFIC SHIFTS
ROAD WORK WITH TRAFFIC SHIFTS (DAY OF AND FOR 10 DAYS AFTER). THE FOLLOWING LEGEND SHALL DISPLAY CONTINUOUSLY AT EACH PCMS LOCATION UNTIL THE TIME OF THE ACTUAL ACTIVITY.

MESSAGE 1:	MESSAGE 2:
NEW	USE
TRAFFIC	CAUTION
PATTERN	

PCMS MESSAGES FOR DETOURS
ROAD WORK WITH DETOURS (DURING). THE FOLLOWING LEGEND SHALL DISPLAY CONTINUOUSLY AT EACH PCMS LOCATION UNTIL THE TIME OF THE ACTUAL ACTIVITY.

MESSAGE 1:	MESSAGE 2:
XXXX RD	FOLLOW
CLOSED	DETOUR
AHEAD	

TEMOPORARY SIGNALIZATION:

1. AT LEAST 7 DAYS PRIOR TO IMPLEMENTING PHASE II OF THE TEMPORARY TRAFFIC CONTROL PLAN WITH THE CLOSURE OF BUCKINGHAM ROAD, CONSTRUCT THE TEMPORARY TRAFFIC SIGNAL AT GUNNERY ROAD AND SUNSET ROAD INTERSECTION TO CONTROL THE ADDITIONAL TRAFFIC VOLUME DUE THE BUCKINGHAM ROAD CLOSURE.

   THE TEMPORARY TRAFFIC SIGNAL SHALL BE OPERATIONAL AND IN FLASHING MODE (FLASHING YELLOW FOR GUNNERY ROAD AND FLASHING RED FOR SUNSET ROAD) FOR AT LEAST SEVEN DAYS BEFORE FULL TRAFFIC SIGNAL OPERATIONS BEGINS AND THE CLOSURE OF BUCKINGHAM ROAD.

2. AT LEAST 7 DAYS PRIOR TO IMPLEMENTING PHASE III OF THE TEMPORARY TRAFFIC CONTROL PLAN WITH THE CLOSURE OF GUNNERY ROAD, CONSTRUCT THE TEMPORARY TRAFFIC SIGNAL AT BUCKINGHAM AND SUNSET ROAD INTERSECTION TO CONTROL THE ADDITIONAL TRAFFIC VOLUME DUE THE GUNNERY ROAD CLOSURE. MAINTAIN THE EXISTING TEMPORARY SIGNAL AT THE GUNNERY ROAD/SUNSET ROAD INTERSECTION.

   THE TEMPORARY TRAFFIC SIGNAL AT BUCKINGHAM ROAD/SUNSET ROAD SHALL BE OPERATIONAL AND IN FLASHING MODE (FLASHING YELLOW FOR BUCKINGHAM ROAD AND FLASHING RED FOR SUNSET ROAD) FOR AT LEAST SEVEN DAYS BEFORE FULL TRAFFIC SIGNAL OPERATIONS BEGINS AND THE CLOSURE OF GUNNERY ROAD. THE TEMPORARY SIGNAL PHASING AT GUNNERY ROAD/SUNSET ROAD INTERSECTION SHALL BE ADJUSTED AS PER PHASE III TEMPORARY SIGNAL PLAN.

3. AT THE COMPLETION OF THE PHASE III TRAFFIC CONTROL PLAN, THE TEMPORARY TRAFFIC SIGNALS AT BOTH BUCKINGHAM ROAD/SUNSET ROAD AND GUNNERY ROAD/SUNSET ROAD INTERSECTION SHALL BE DISMANTLED AND REMOVED. THE PAVEMENT AT THESE INTERSECTIONS WILL REQUIRE RESTRIPING FOR THE PERMANENT CONDITION.

4. ALL TEMPORARY TRAFFIC SIGNAL EQUIPMENT SHALL COMPLY WITH THE MUTCD AND FDOT STANDARDS AND SPECIFICATIONS.

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TTC GENERAL NOTES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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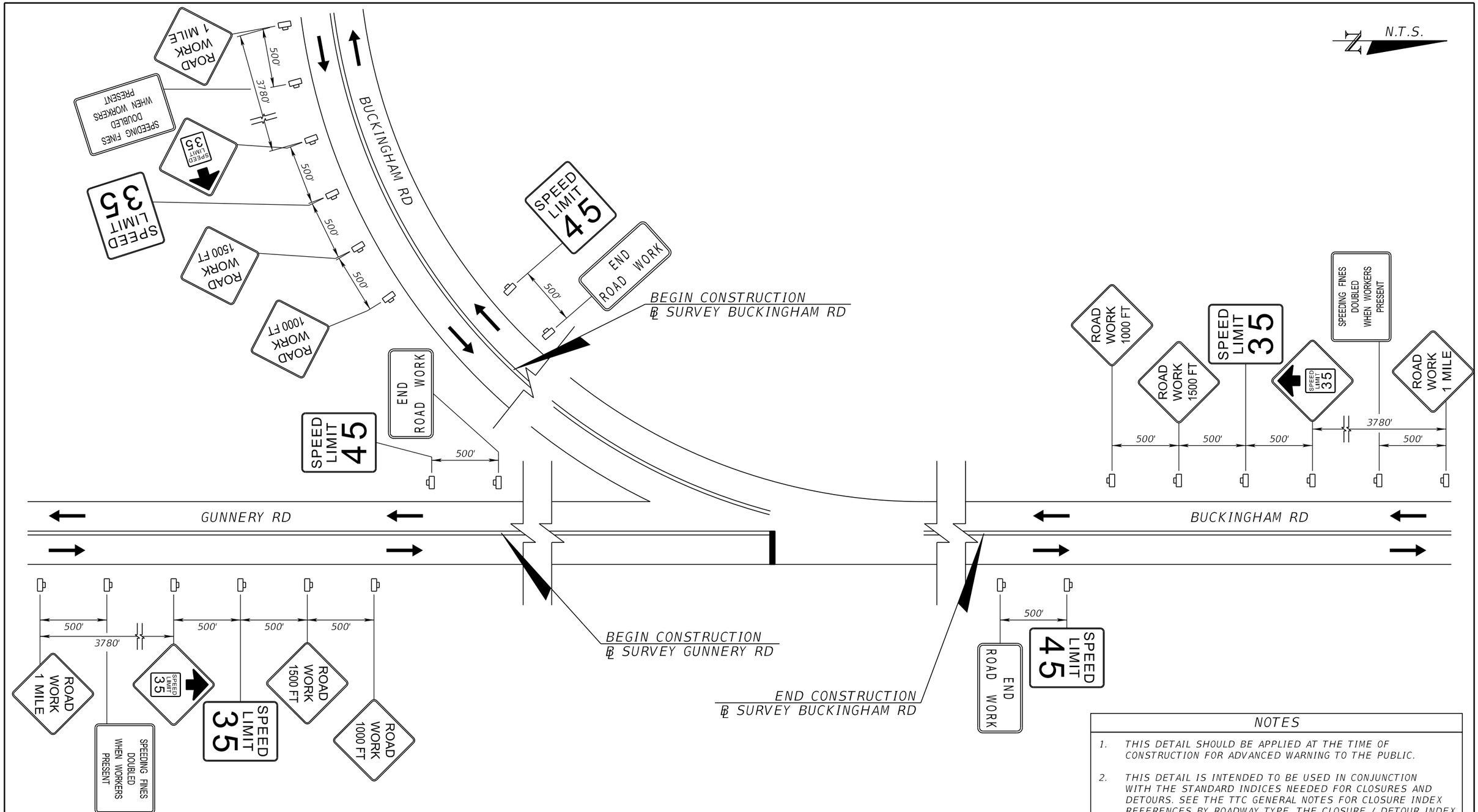
Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (1)

SHEET NO.
74



NOTES

1. THIS DETAIL SHOULD BE APPLIED AT THE TIME OF CONSTRUCTION FOR ADVANCED WARNING TO THE PUBLIC.
2. THIS DETAIL IS INTENDED TO BE USED IN CONJUNCTION WITH THE STANDARD INDICES NEEDED FOR CLOSURES AND DETOURS. SEE THE TTC GENERAL NOTES FOR CLOSURE INDEX REFERENCES BY ROADWAY TYPE. THE CLOSURE / DETOUR INDEX SHOULD BE APPLIED TO THIS ADVANCED WARNING DIAGRAM DETAIL AND THE DETAIL SHOULD BE ADJUSTED ACCORDINGLY.
3. COVER SIGNS THAT ARE NOT APPLICABLE WHEN WORK IS NOT BEING PERFORMED.

LEGEND

LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

WORK ZONE SIGN

ADVANCE WARNING DETAIL LAYOUT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (2)

SHEET NO.

75

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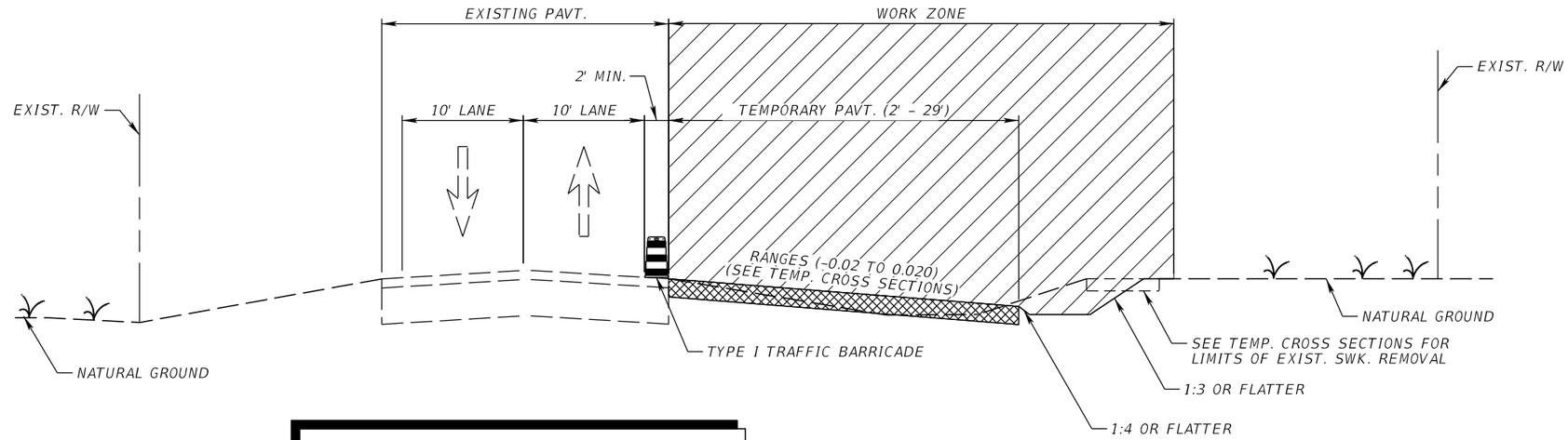
PHASE I NOTES:

OPERATIONS ARE TO INSTALL TEMPORARY PAVEMENT FOR PHASE II.

1. MAINTAIN EXISTING TRAFFIC PATTERNS.
2. CONSTRUCT TEMPORARY PAVEMENT FOR PHASE II OPERATIONS.

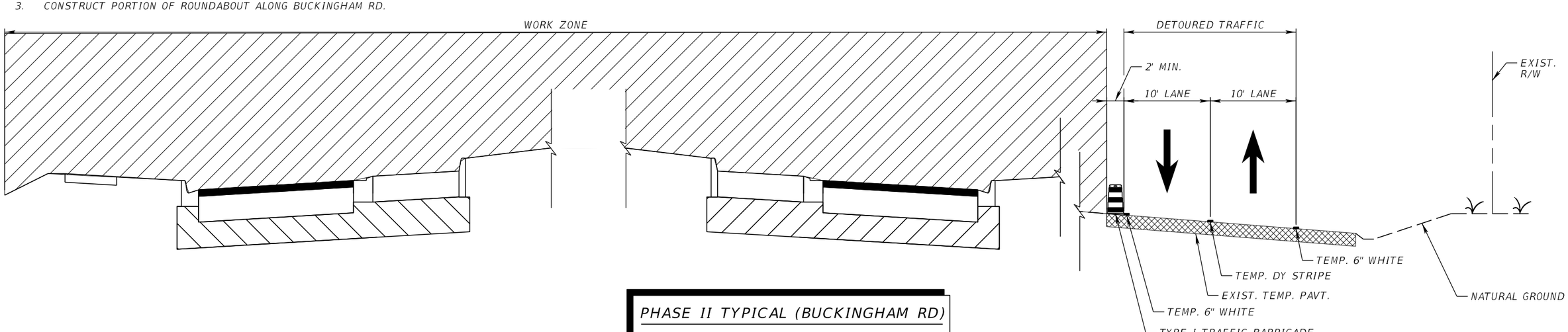


PHASE I TYPICAL (GUNNERY RD)

PHASE II NOTES:

OPERATIONS ARE TO CONSTRUCT THE PORTION OF THE ROUNDABOUT ALONG BUCKINGHAM RD (SEE TTCP PHASE II DETAILS).

1. SETUP TRAFFIC CONTROL DEVICES ALONG GUNNERY RD.
2. DETOUR EXIST. TRAFFIC FROM BUCKINGHAM RD TO GUNNERY RD (SEE TTCP SHEET 15).
3. CONSTRUCT PORTION OF ROUNDABOUT ALONG BUCKINGHAM RD.



PHASE II TYPICAL (BUCKINGHAM RD)

PHASE TYPICALS

REVISIONS			
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BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

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442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (3)

SHEET NO.

76

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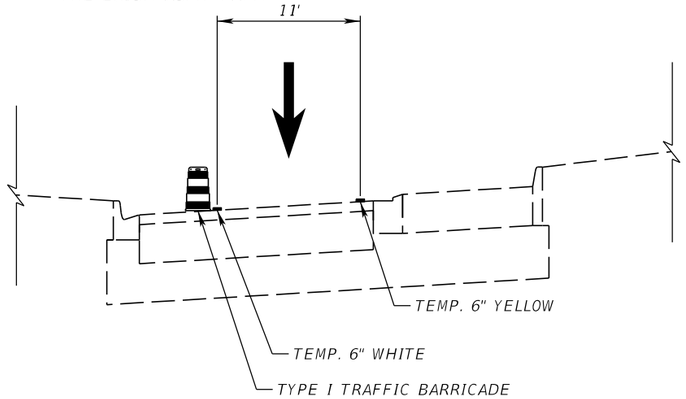
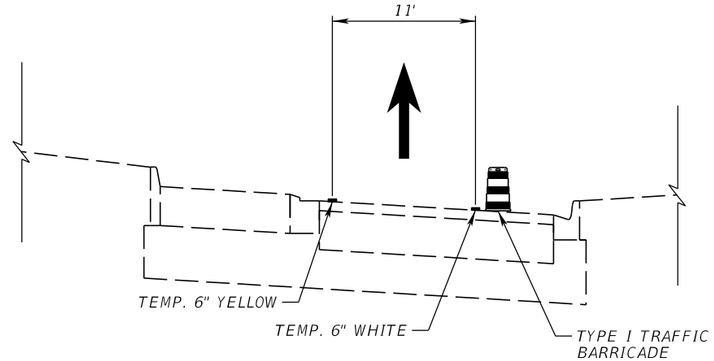
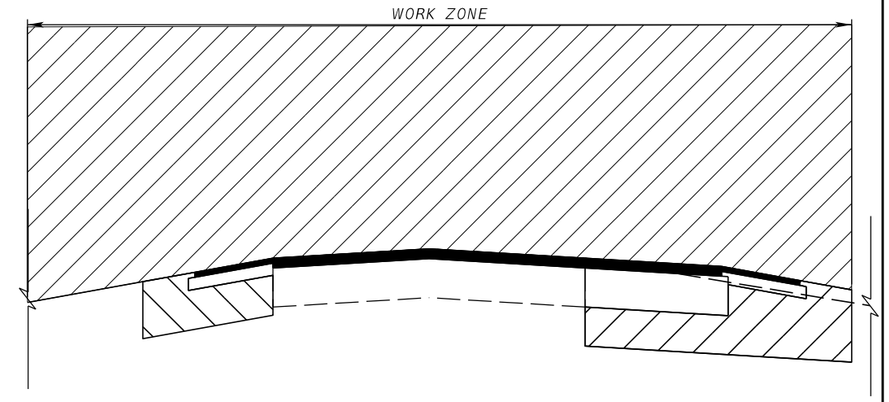
PHASE III NOTES:

OPERATIONS ARE TO CONSTRUCT THE PORTION OF THE ROUNDABOUT, WIDENING, AND MILLING & RESURFACING OPERATIONS ALONG GUNNERY RD (SEE TTCP PHASE III DETAILS).

1. SETUP TRAFFIC CONTROL DEVICES ALONG BUCKINGHAM RD.
2. DETOUR EXIST. TRAFFIC FROM GUNNERY RD TO BUCKINGHAM RD (SEE TTCP SHEET 18).
3. CONSTRUCT PORTION OF ROUNDABOUT ALONG GUNNERY RD, WIDEN THE SOUTHERN PORTION OF GUNNERY RD, AND MILL & RESURFACE THE EXIST. ASPH. PAVT.





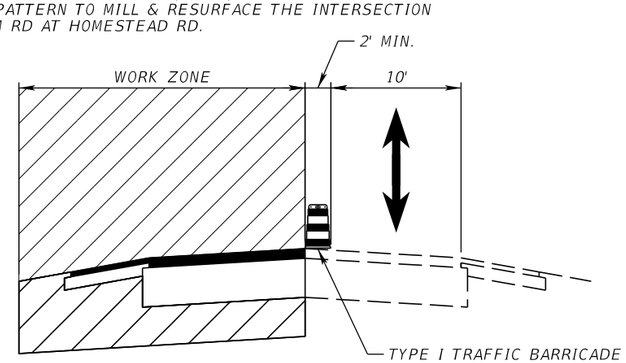


PHASE III TYPICAL (GUNNERY RD)

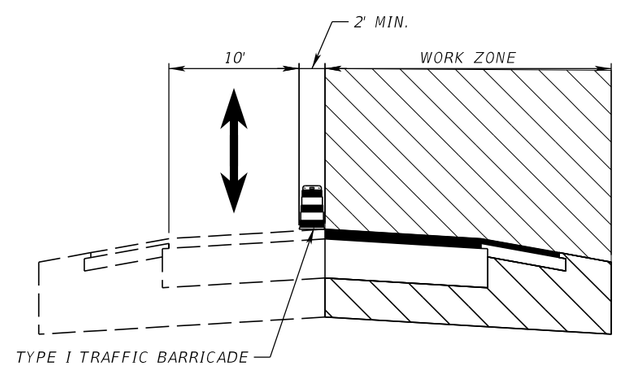
PHASE IV NOTES:

OPERATIONS ARE TO CONSTRUCT THE REMAINING PORTION OF THE ROUNDABOUT ALONG BUCKINGHAM RD AND PERFORM MILLING & RESURFACING AT THE INTERSECTION OF BUCKINGHAM RD AND HOMESTEAD RD (SEE TTCP PHASE IV DETAILS).

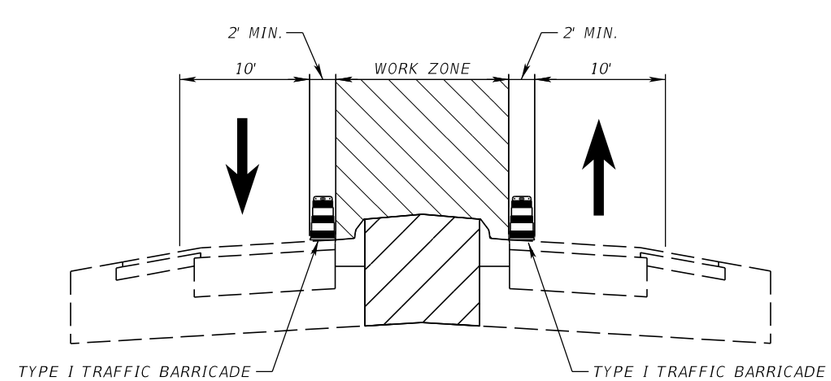
1. SETUP TRAFFIC CONTROL DEVICES ALONG BUCKINGHAM AND GUNNERY RD.
2. APPLY MUTCD TYPICAL APPLICATION (TA-27) TO ALLOW FOR TWO WAY ONE LANE TRAFFIC PATTERN TO CONSTRUCT REMAINING PORTION OF ROUNDABOUT ALONG BUCKINGHAM RD.
3. APPLY MUTCD TYPICAL APPLICATION (TA-27) TO ALLOW FOR TWO WAY ONE LANE TRAFFIC PATTERN TO MILL & RESURFACE THE INTERSECTION OF BUCKINGHAM RD AT HOMESTEAD RD.



STAGE I
(FLAGGING OPERATION REQUIRED)



STAGE II
(FLAGGING OPERATION REQUIRED)



STAGE III

PHASE IV TYPICAL (BUCKINGHAM RD)

PHASE TYPICALS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

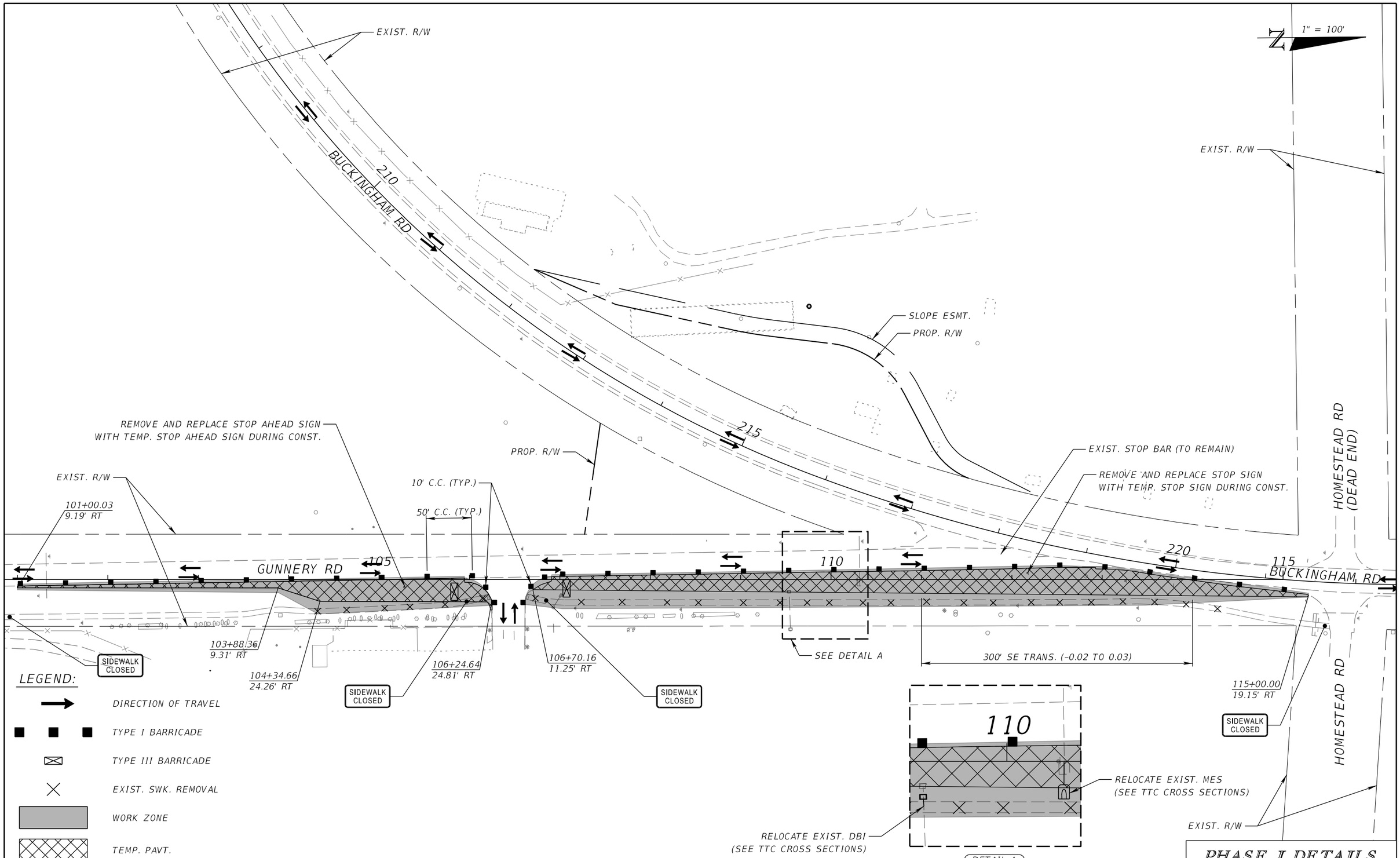
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (4)

SHEET NO.
77

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



PHASE I DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (5)

SHEET NO.

78

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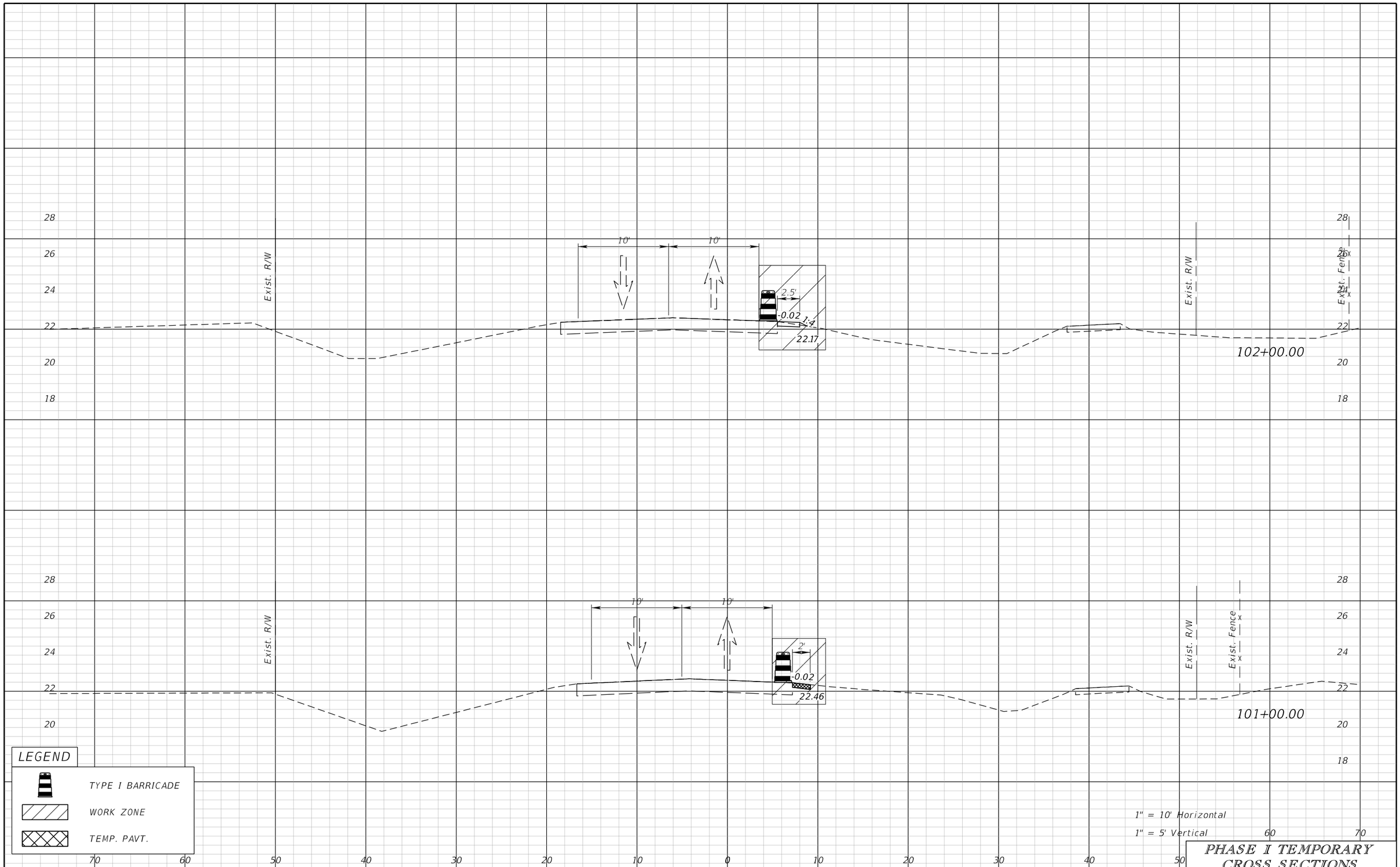

PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (6)

SHEET NO.

79

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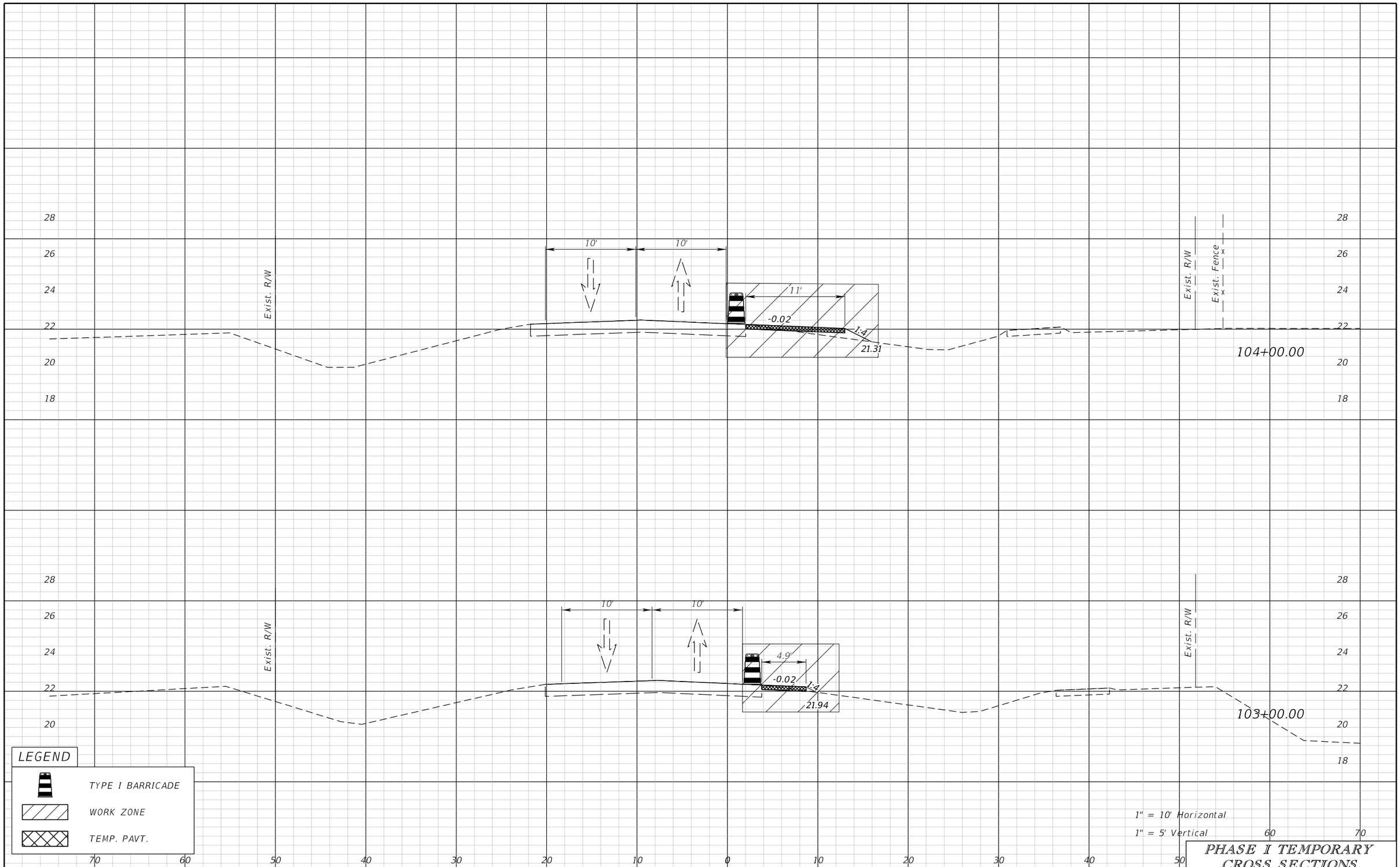

PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (7)

SHEET NO.
80

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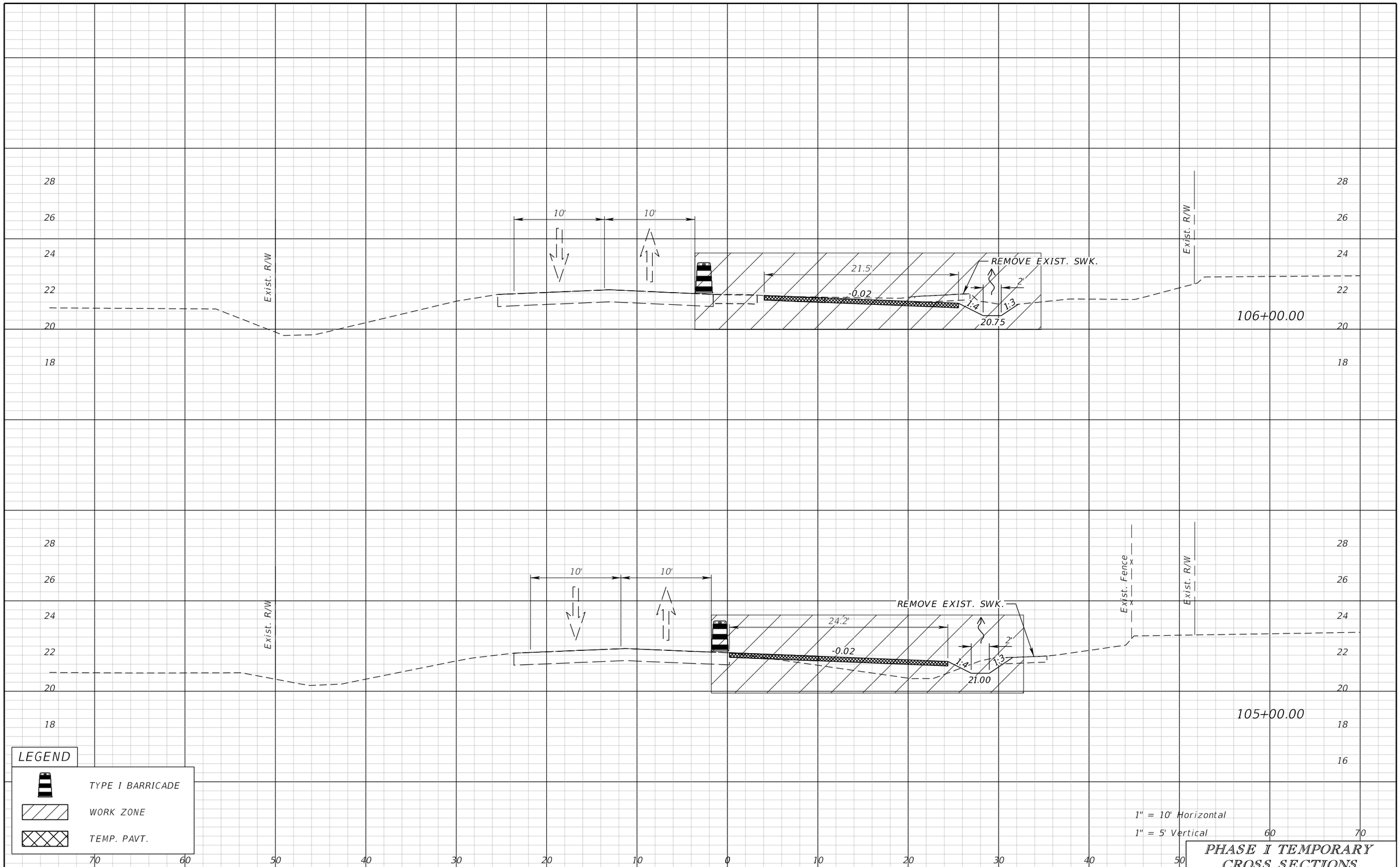

PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (8)

SHEET NO.
81

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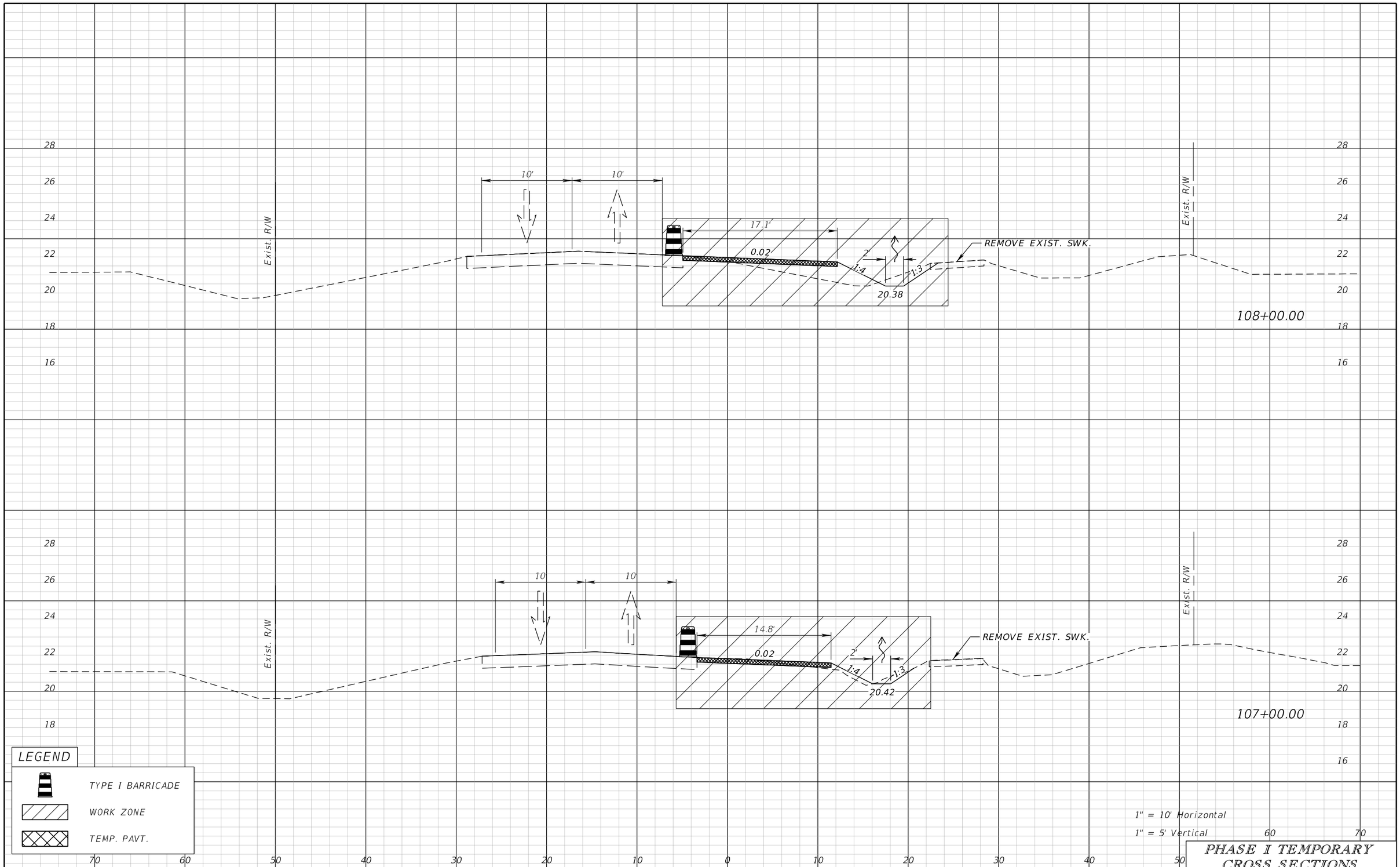


PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

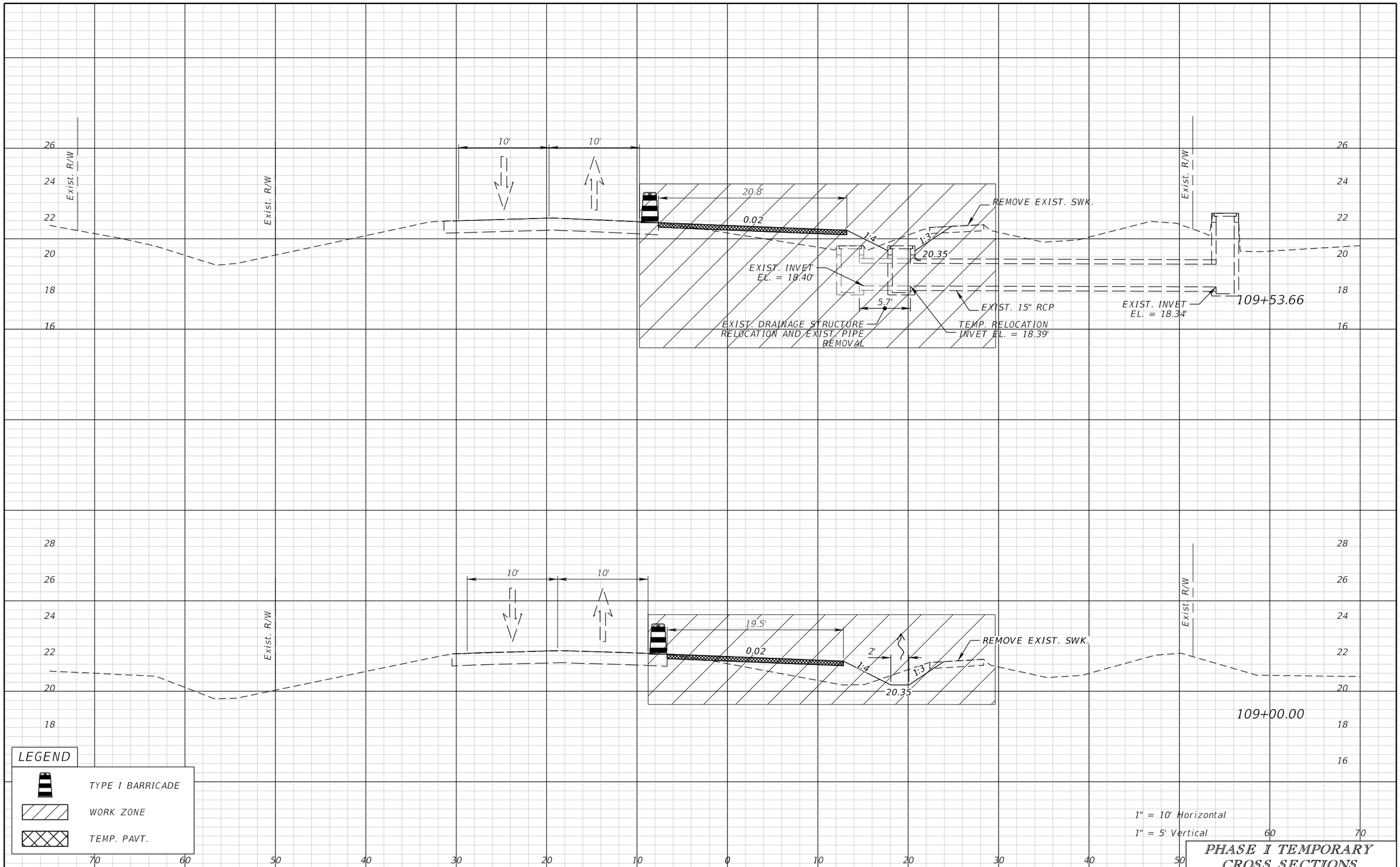
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (9)

SHEET NO.
82

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



PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

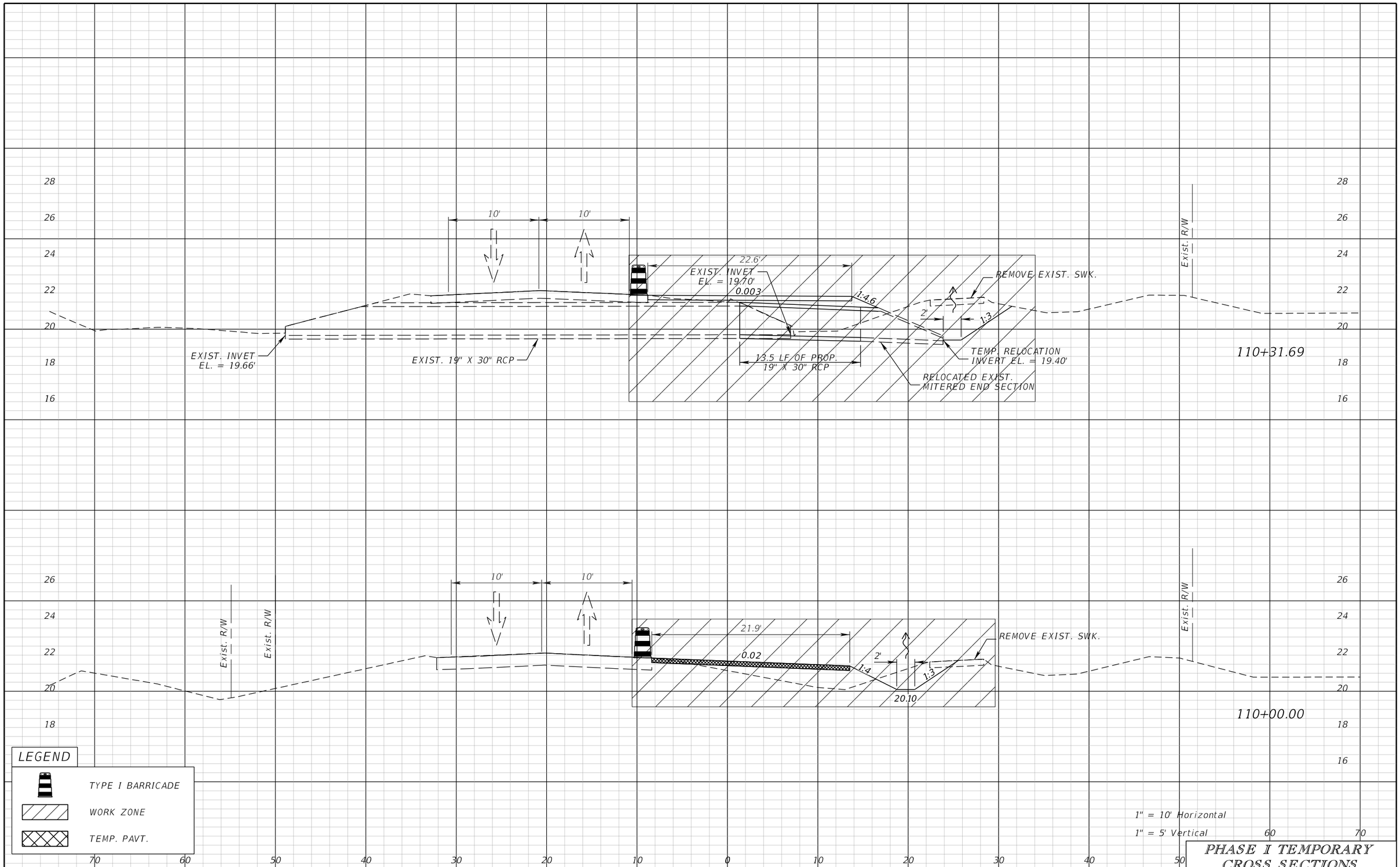
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (10)

SHEET NO.
83

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



PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

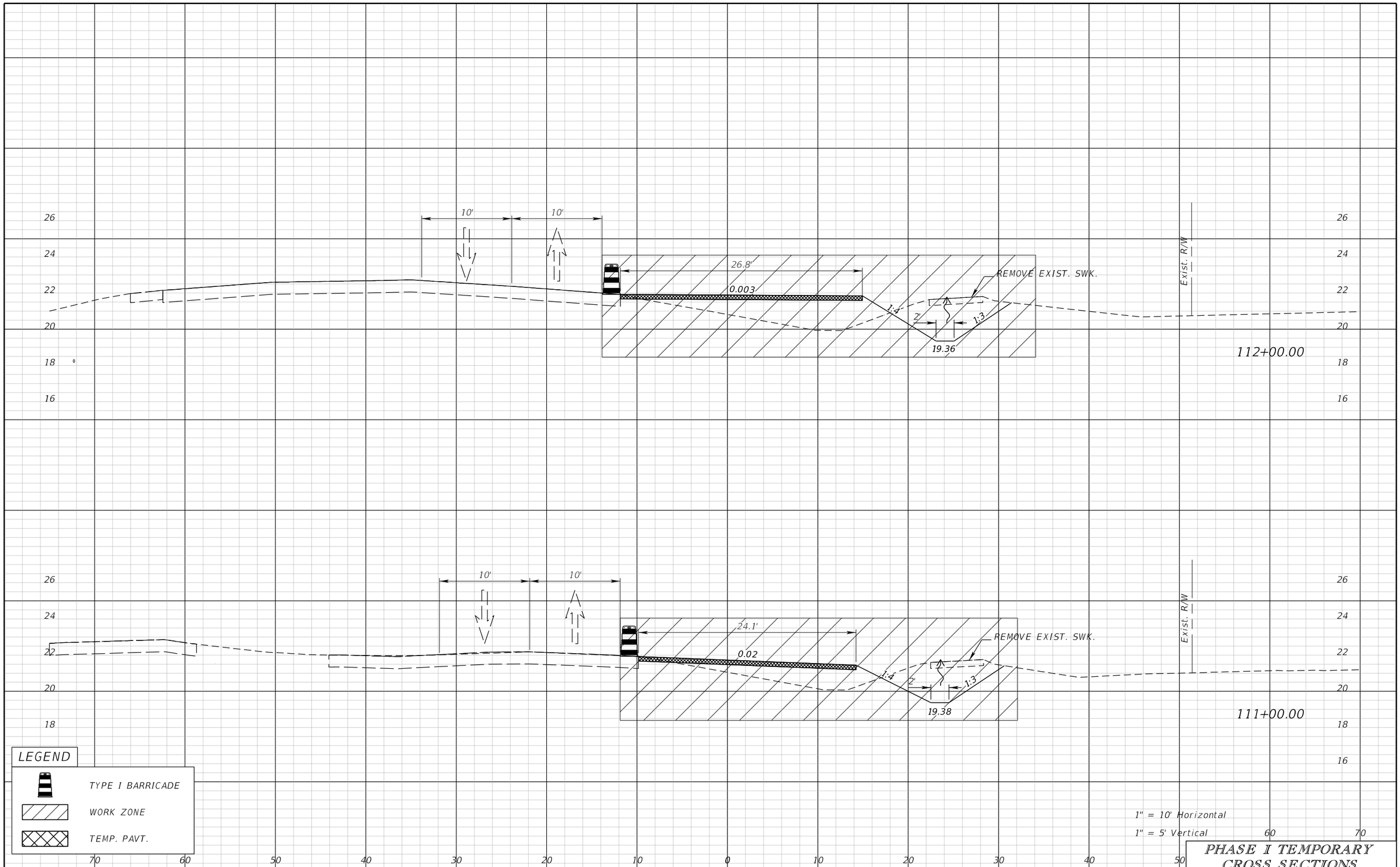
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (11)

SHEET NO.

84

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



PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

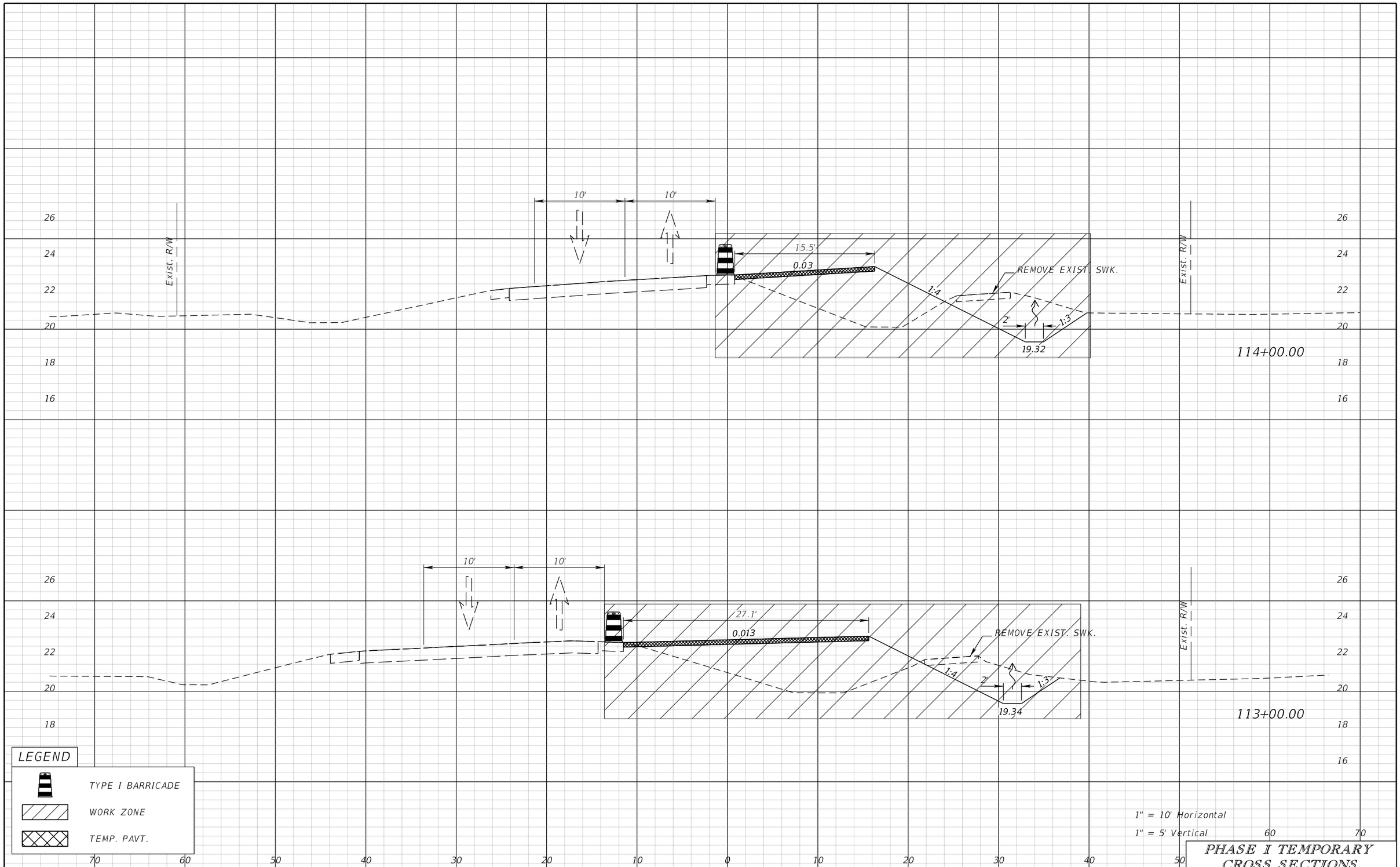
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (12)

SHEET NO.
85

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



PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

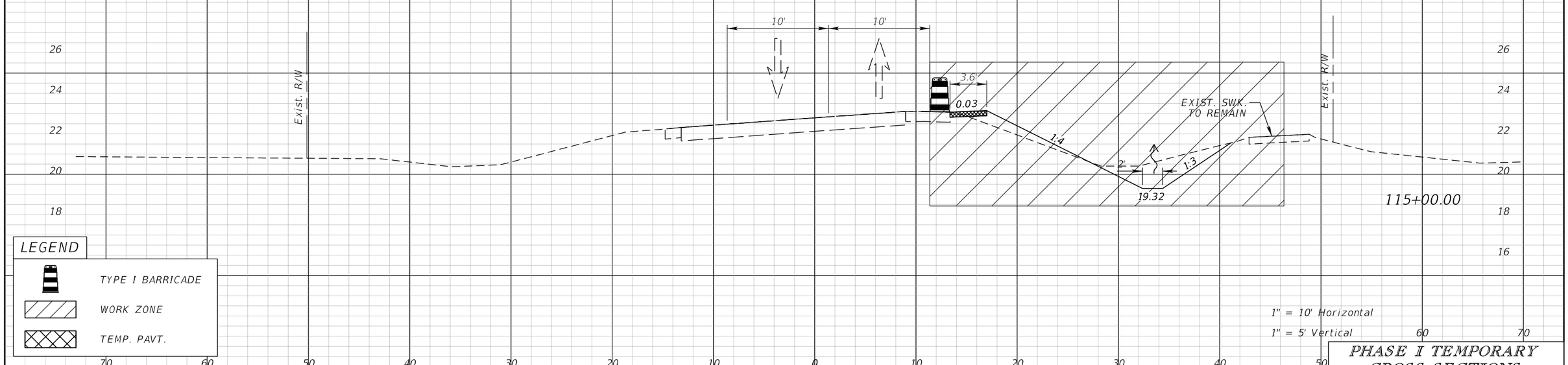
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (13)

SHEET NO.
86

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



LEGEND

- TYPE I BARRICADE
- WORK ZONE
- TEMP. PAVT.

PHASE I TEMPORARY CROSS SECTIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (14)

SHEET NO.

87

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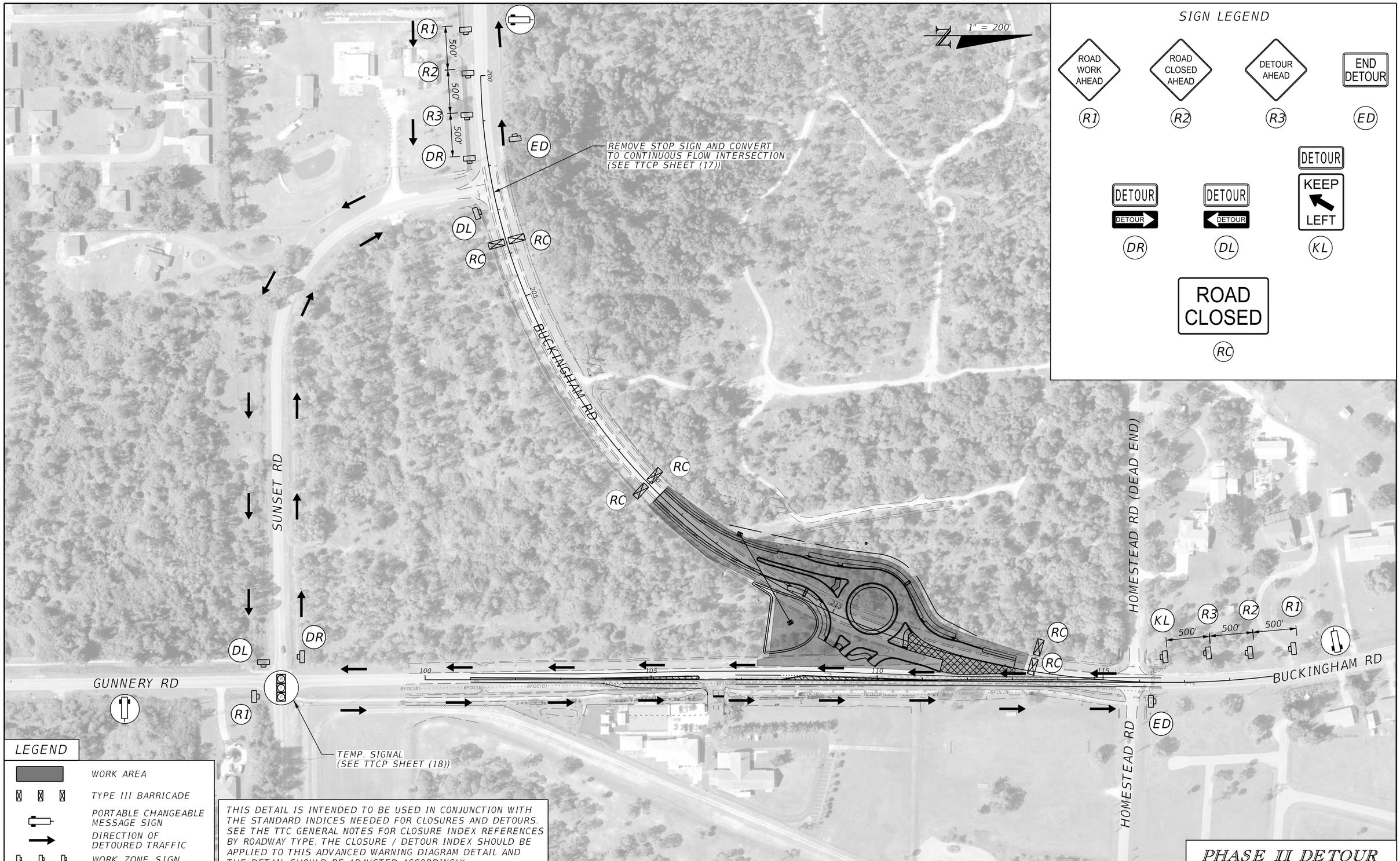

THIS DETAIL IS INTENDED TO BE USED IN CONJUNCTION WITH THE STANDARD INDICES NEEDED FOR CLOSURES AND DETOURS. SEE THE TTC GENERAL NOTES FOR CLOSURE INDEX REFERENCES BY ROADWAY TYPE. THE CLOSURE / DETOUR INDEX SHOULD BE APPLIED TO THIS ADVANCED WARNING DIAGRAM DETAIL AND THE DETAIL SHOULD BE ADJUSTED ACCORDINGLY.

PHASE II DETOUR

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (15)

SHEET NO.

88

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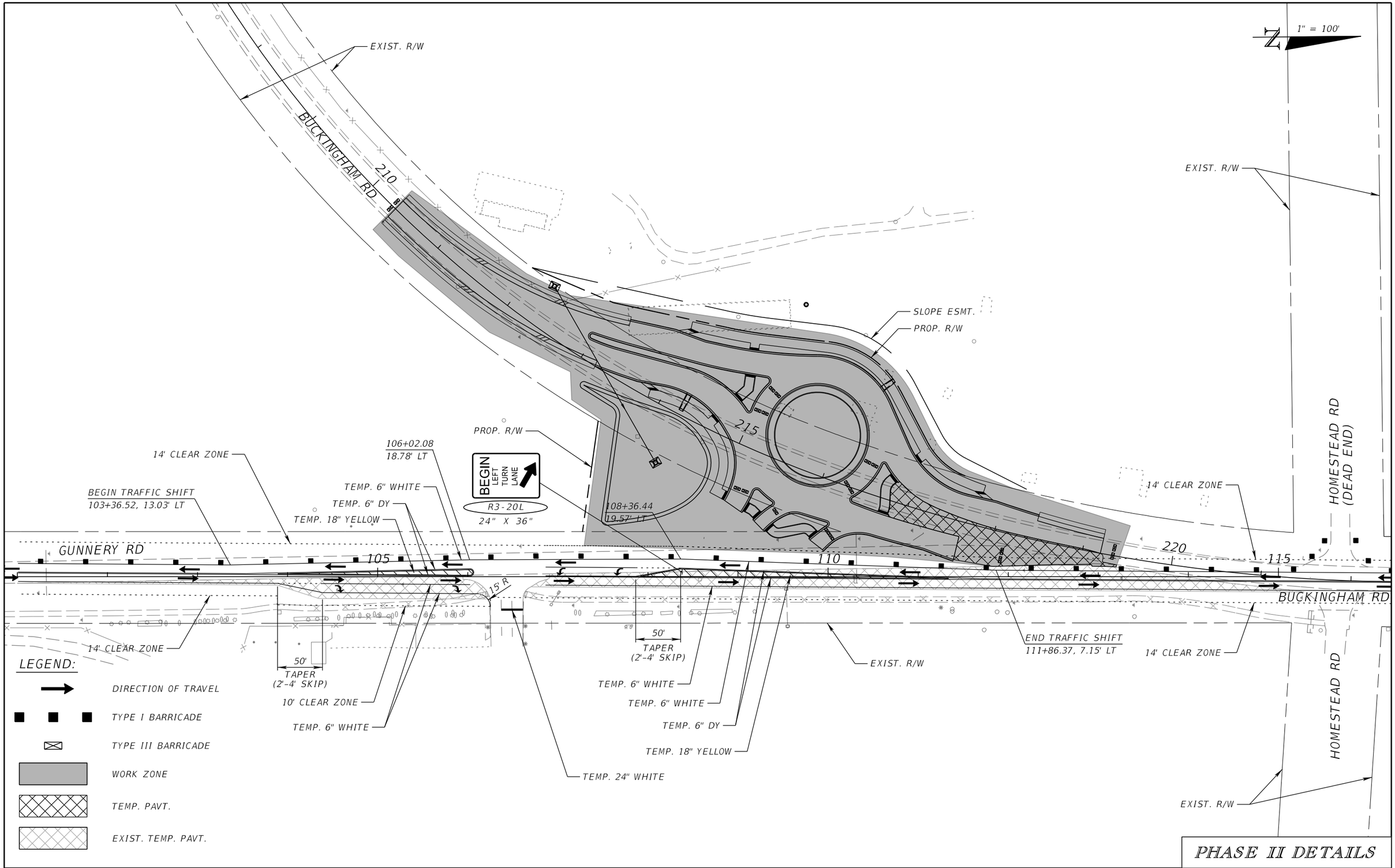

PHASE II DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (16)

SHEET NO.
89

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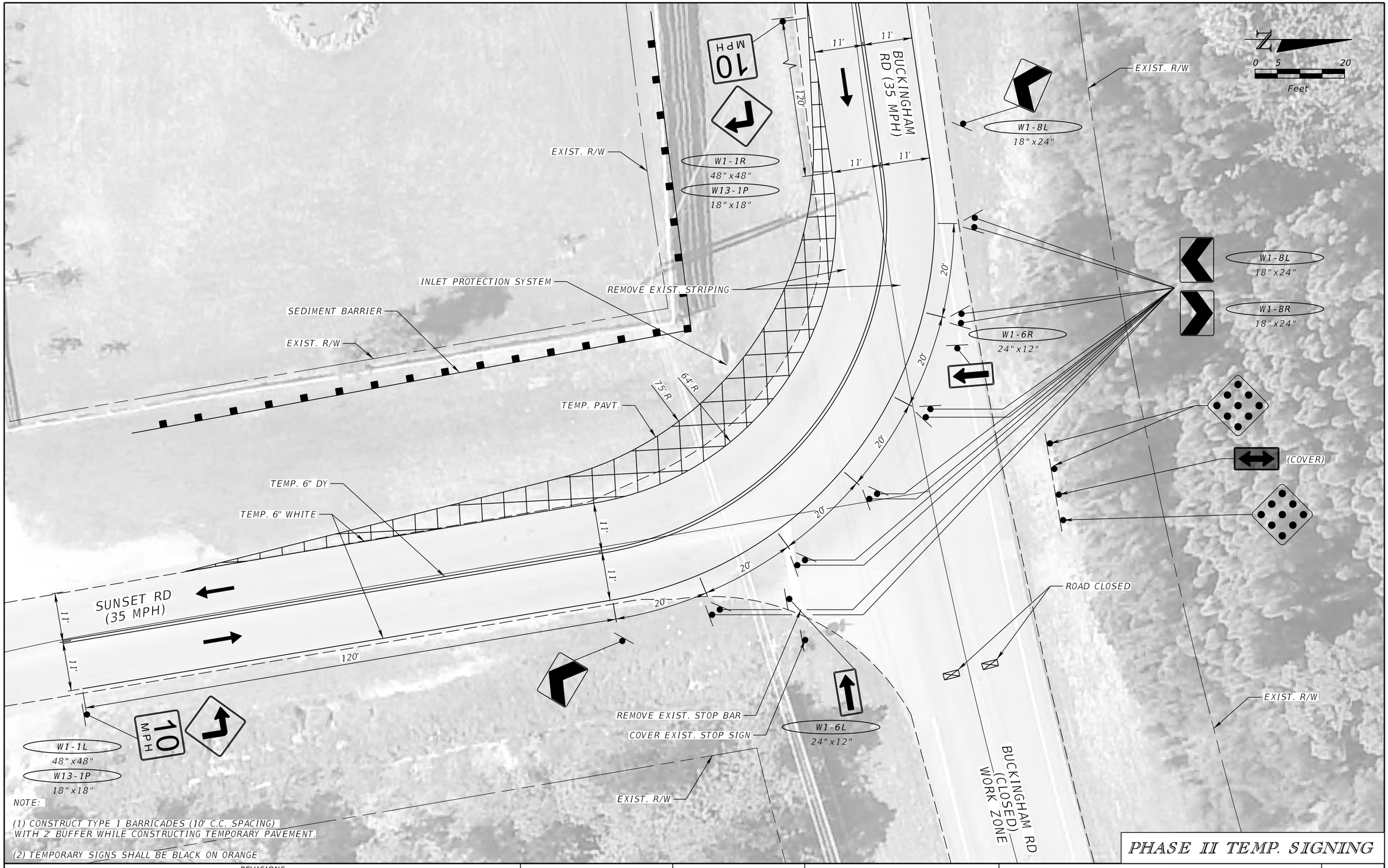


NOTE:

(1) CONSTRUCT TYPE 1 BARRICADES (10' C.C. SPACING) WITH 2' BUFFER WHILE CONSTRUCTING TEMPORARY PAVEMENT.

(2) TEMPORARY SIGNS SHALL BE BLACK ON ORANGE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

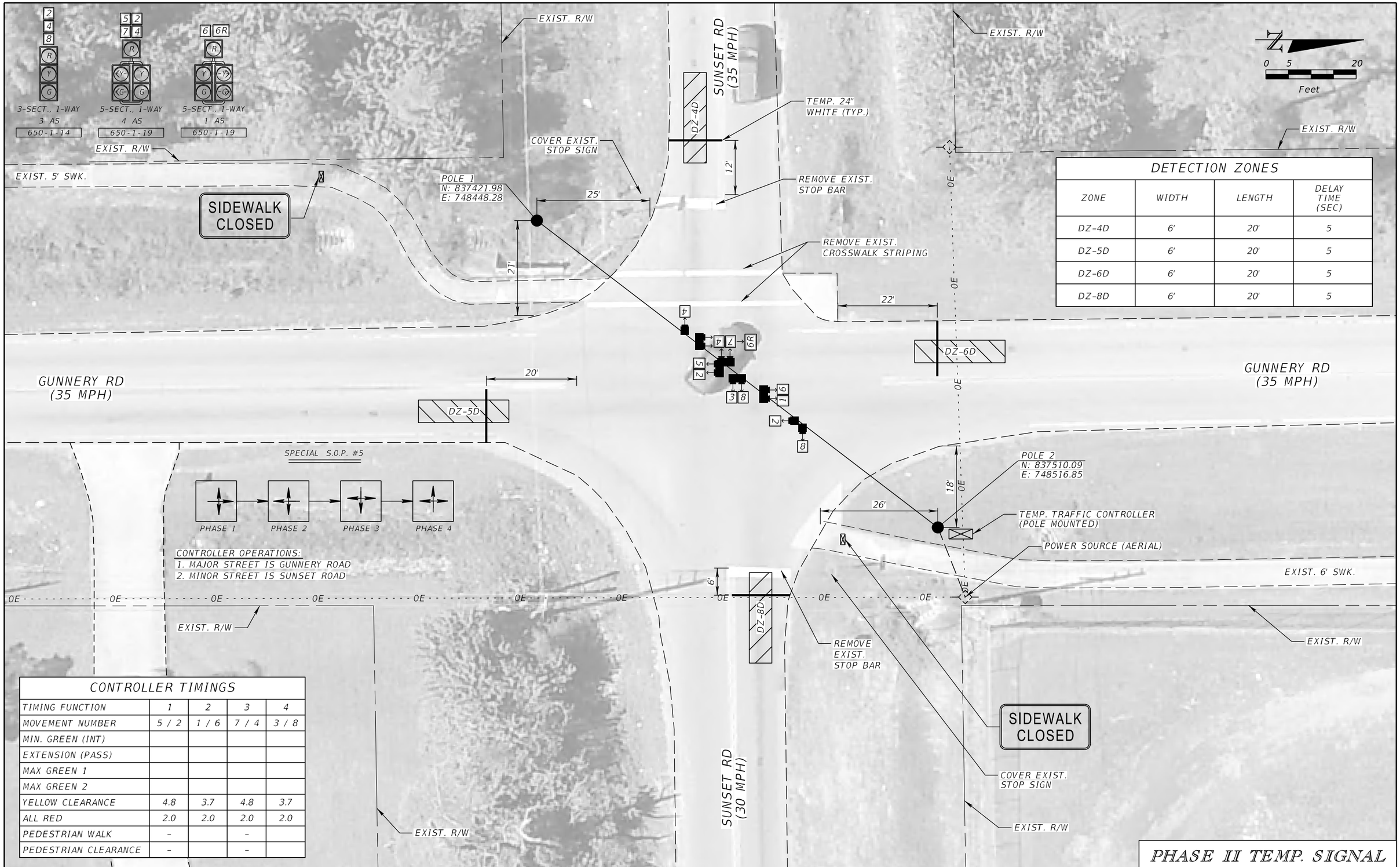
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (17)

SHEET NO.
90

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



DETECTION ZONES

ZONE	WIDTH	LENGTH	DELAY TIME (SEC)
DZ-4D	6'	20'	5
DZ-5D	6'	20'	5
DZ-6D	6'	20'	5
DZ-8D	6'	20'	5

CONTROLLER TIMINGS

TIMING FUNCTION	1	2	3	4
MOVEMENT NUMBER	5 / 2	1 / 6	7 / 4	3 / 8
MIN. GREEN (INT)				
EXTENSION (PASS)				
MAX GREEN 1				
MAX GREEN 2				
YELLOW CLEARANCE	4.8	3.7	4.8	3.7
ALL RED	2.0	2.0	2.0	2.0
PEDESTRIAN WALK	-		-	
PEDESTRIAN CLEARANCE	-		-	

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
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AYRES ASSOCIATES
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TAMPA, FL 33637

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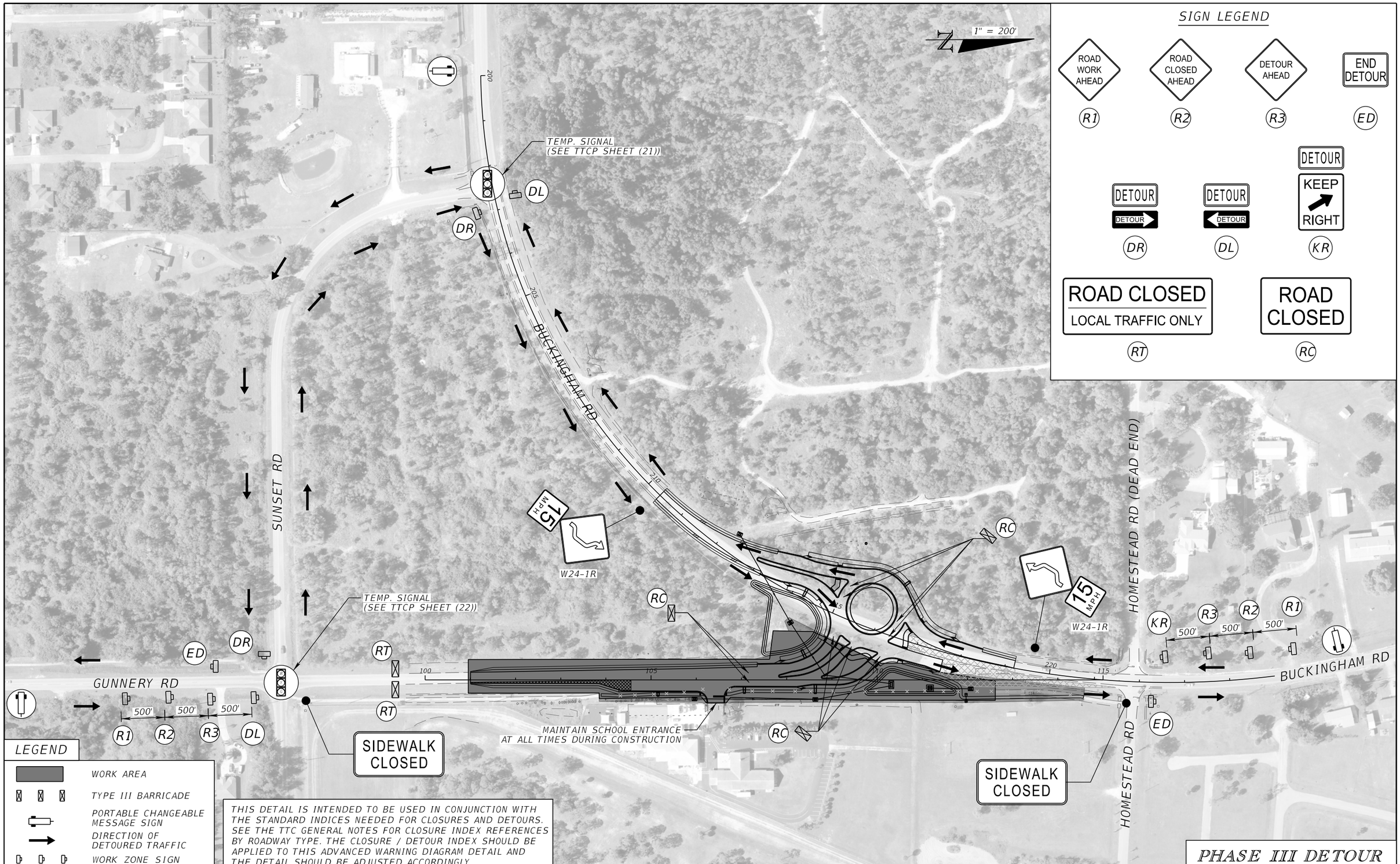
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (18)

SHEET NO.
91



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
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AYRES ASSOCIATES
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TAMPA, FL 33637

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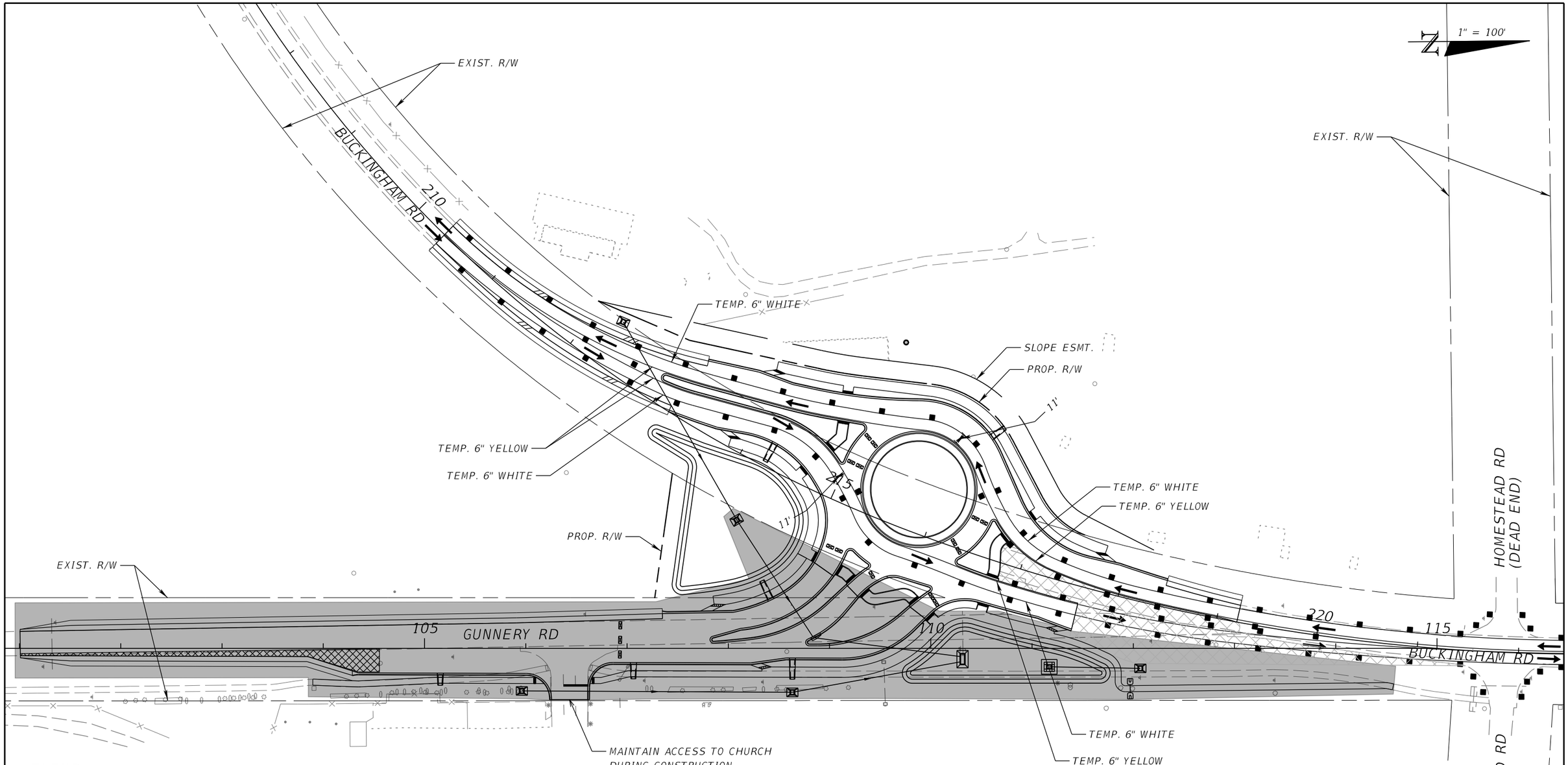
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (19)

SHEET NO.
92



LEGEND:

- TEMP. FLOW OF TRAFFIC
- TYPE I BARRICADE
- TYPE III BARRICADE
- WORK ZONE
- MILLING & RESURFACING
- WIDENING

PHASE III DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (20)

SHEET NO.

93

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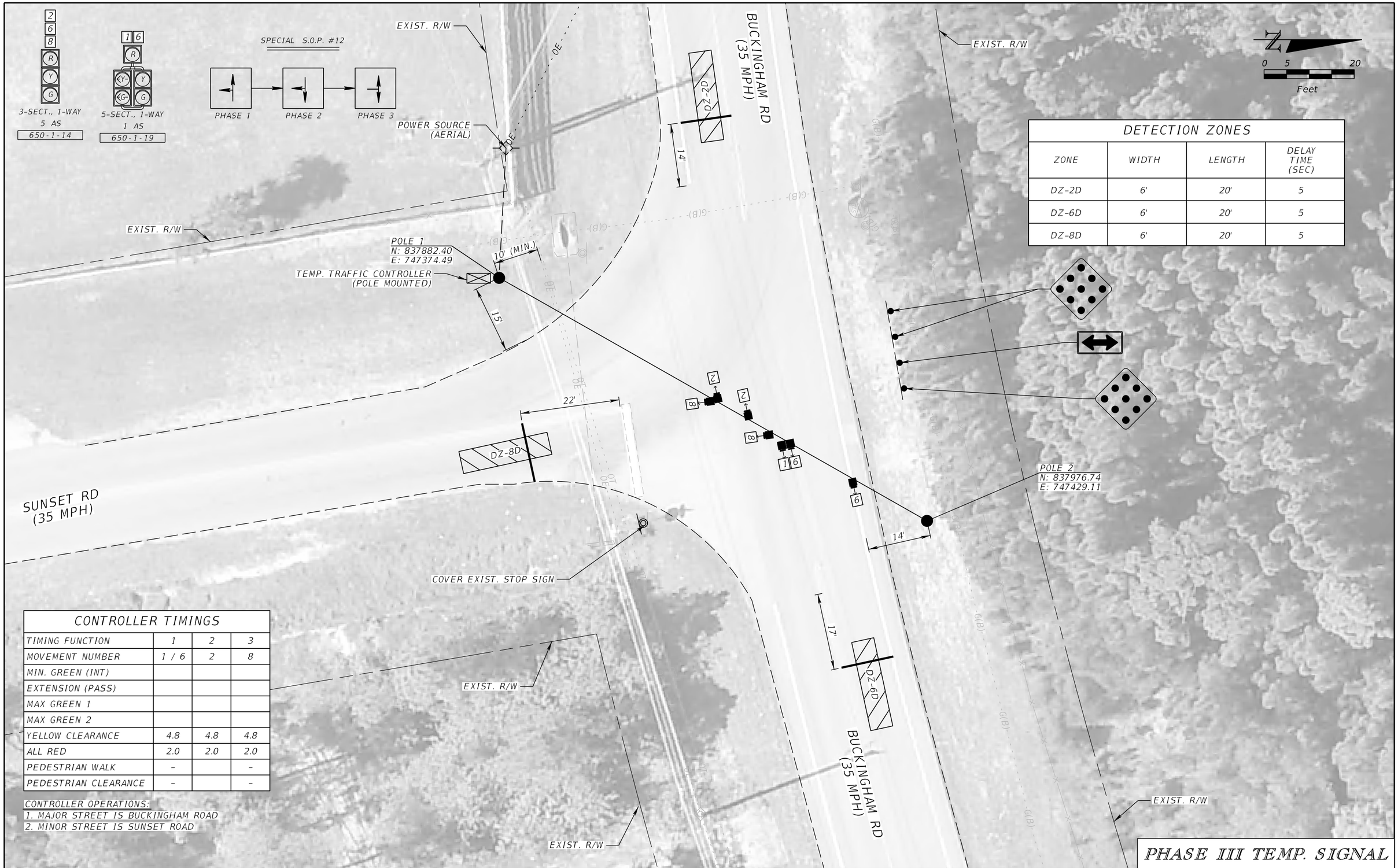

DETECTION ZONES

ZONE	WIDTH	LENGTH	DELAY TIME (SEC)
DZ-2D	6'	20'	5
DZ-6D	6'	20'	5
DZ-8D	6'	20'	5

CONTROLLER TIMINGS

TIMING FUNCTION	1	2	3
MOVEMENT NUMBER	1 / 6	2	8
MIN. GREEN (INT)			
EXTENSION (PASS)			
MAX GREEN 1			
MAX GREEN 2			
YELLOW CLEARANCE	4.8	4.8	4.8
ALL RED	2.0	2.0	2.0
PEDESTRIAN WALK	-		-
PEDESTRIAN CLEARANCE	-		-

CONTROLLER OPERATIONS:
1. MAJOR STREET IS BUCKINGHAM ROAD
2. MINOR STREET IS SUNSET ROAD

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
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AYRES ASSOCIATES
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TAMPA, FL 33637

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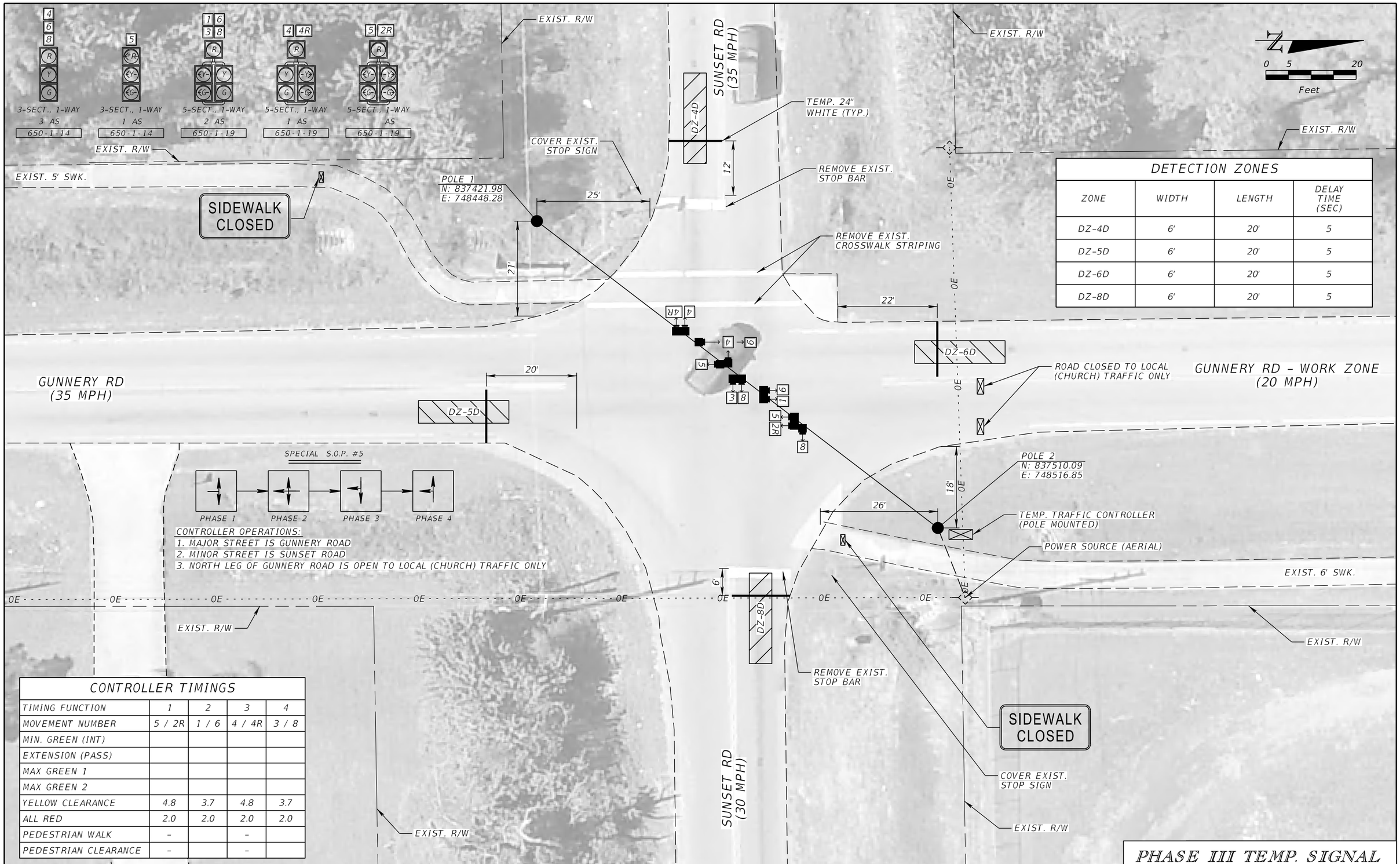
BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (21)

SHEET NO.
94



DETECTION ZONES

ZONE	WIDTH	LENGTH	DELAY TIME (SEC)
DZ-4D	6'	20'	5
DZ-5D	6'	20'	5
DZ-6D	6'	20'	5
DZ-8D	6'	20'	5

CONTROLLER TIMINGS

TIMING FUNCTION	1	2	3	4
MOVEMENT NUMBER	5 / 2R	1 / 6	4 / 4R	3 / 8
MIN. GREEN (INT)				
EXTENSION (PASS)				
MAX GREEN 1				
MAX GREEN 2				
YELLOW CLEARANCE	4.8	3.7	4.8	3.7
ALL RED	2.0	2.0	2.0	2.0
PEDESTRIAN WALK	-		-	
PEDESTRIAN CLEARANCE	-		-	

PHASE III TEMP. SIGNAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (22)

SHEET NO.
95

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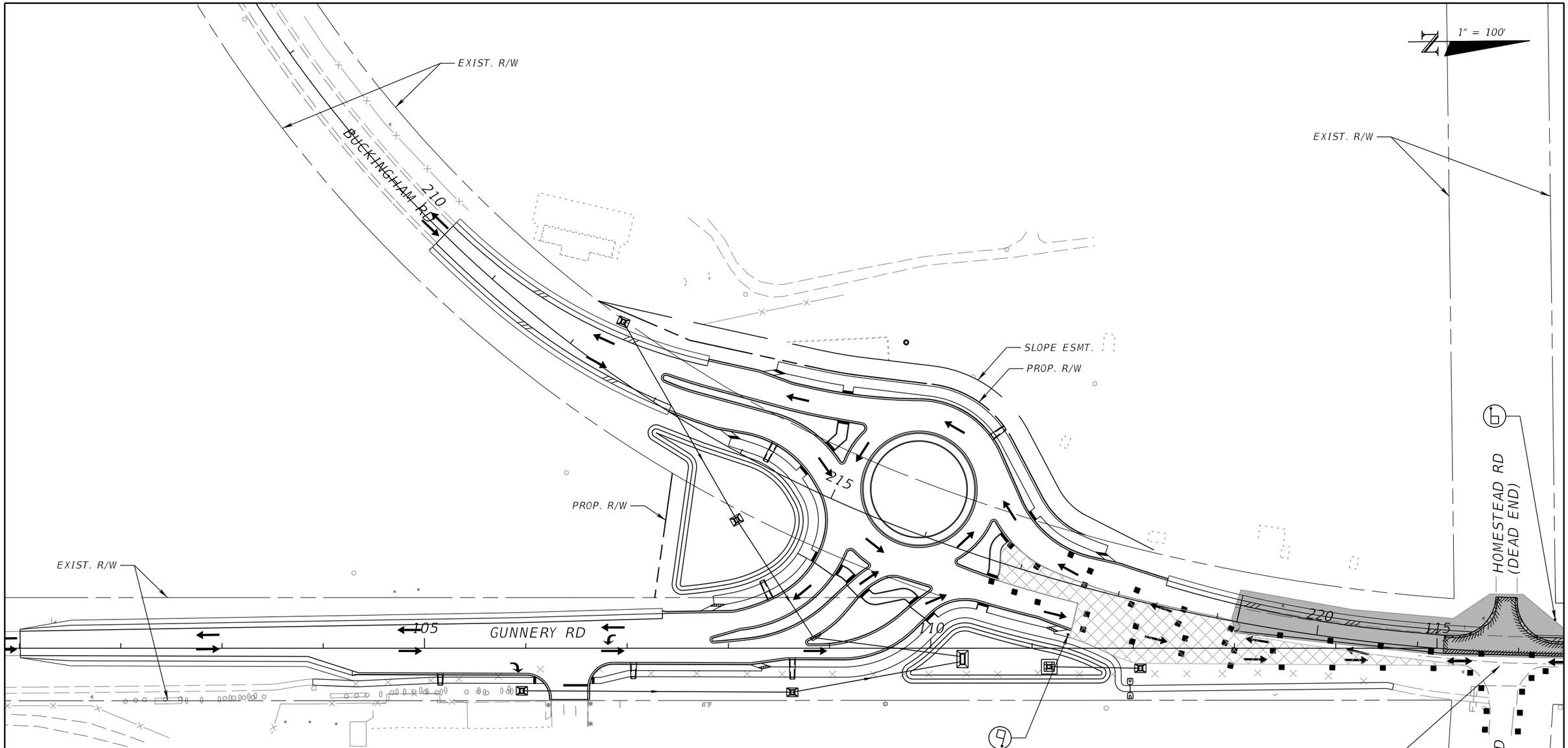

LEGEND:

- TEMP. FLOW OF TRAFFIC
- TYPE I BARRICADE
- FLAGGER
- WORK ZONE
- MILLING & RESURFACING
- EXIST. TEMP. PAVT.

PHASE IV - STAGE I DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (23)

SHEET NO.

96

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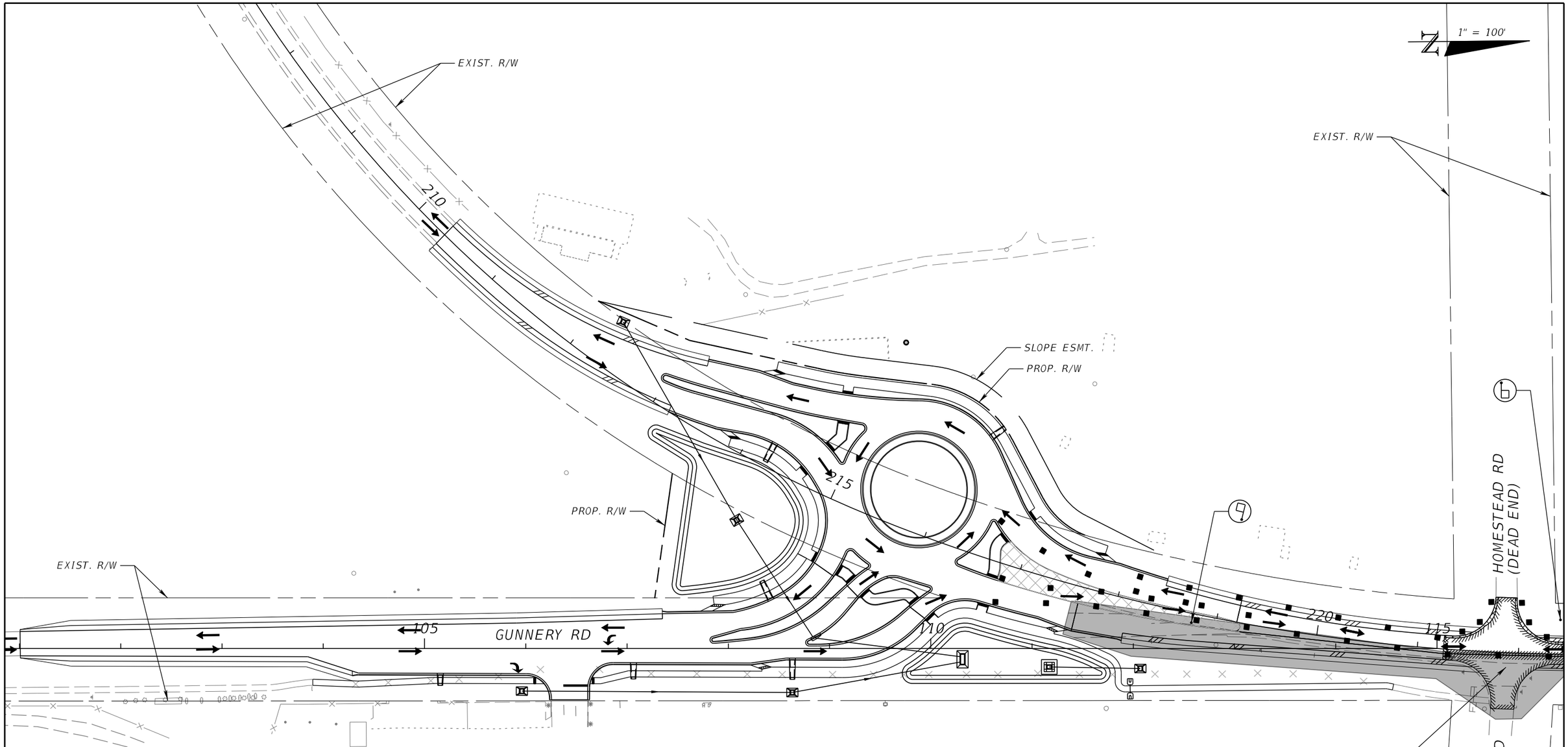

LEGEND:

- TEMP. FLOW OF TRAFFIC
- TYPE I BARRICADE
- FLAGGER
- WORK ZONE
- MILLING & RESURFACING
- EXIST. TEMP. PAVT.

PHASE IV - STAGE II DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (24)

SHEET NO.

97

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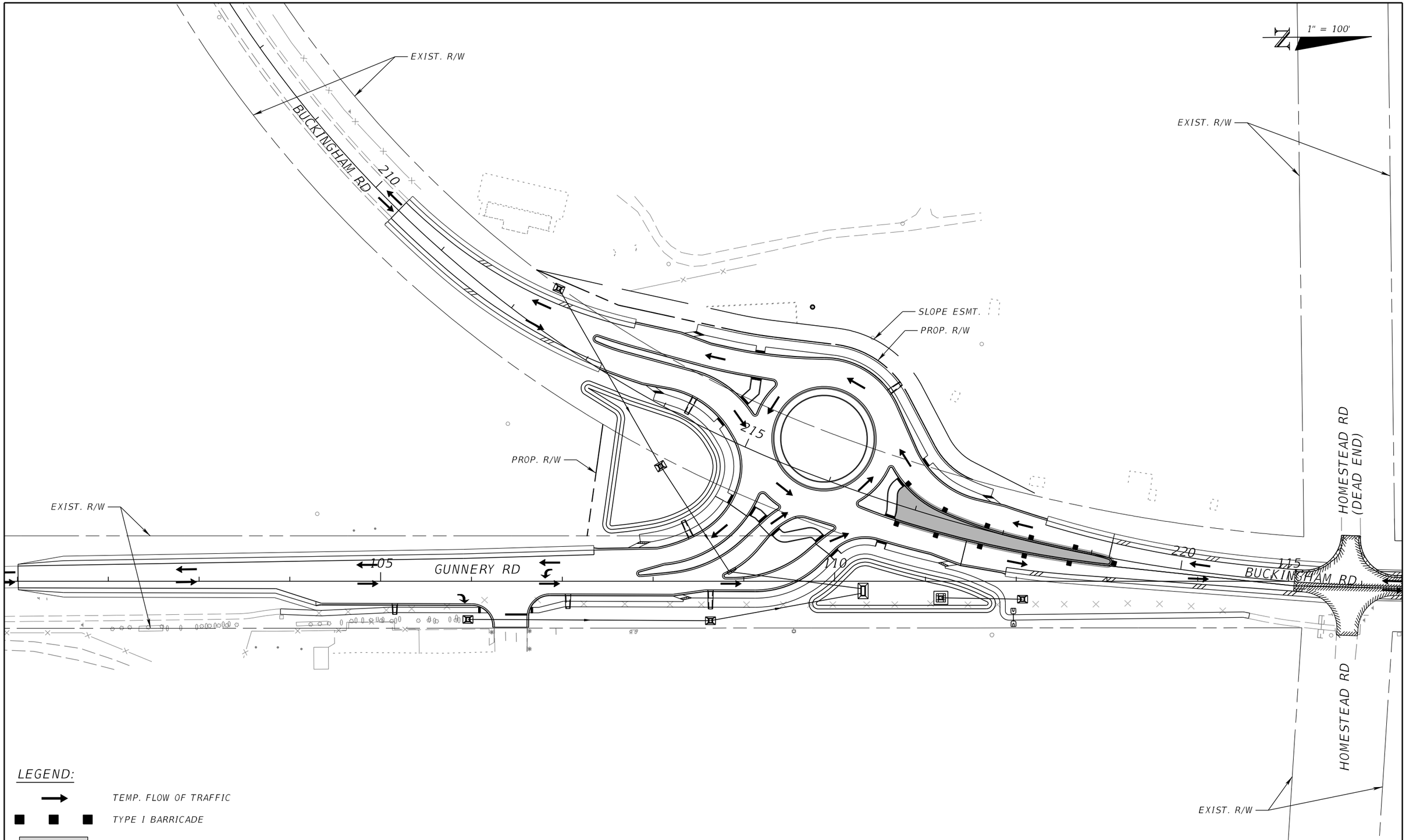

LEGEND:

TEMP. FLOW OF TRAFFIC

TYPE I BARRICADE

WORK ZONE

PHASE IV - STAGE III DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

TEMPORARY TRAFFIC CONTROL PLANS (25)

SHEET NO.

98

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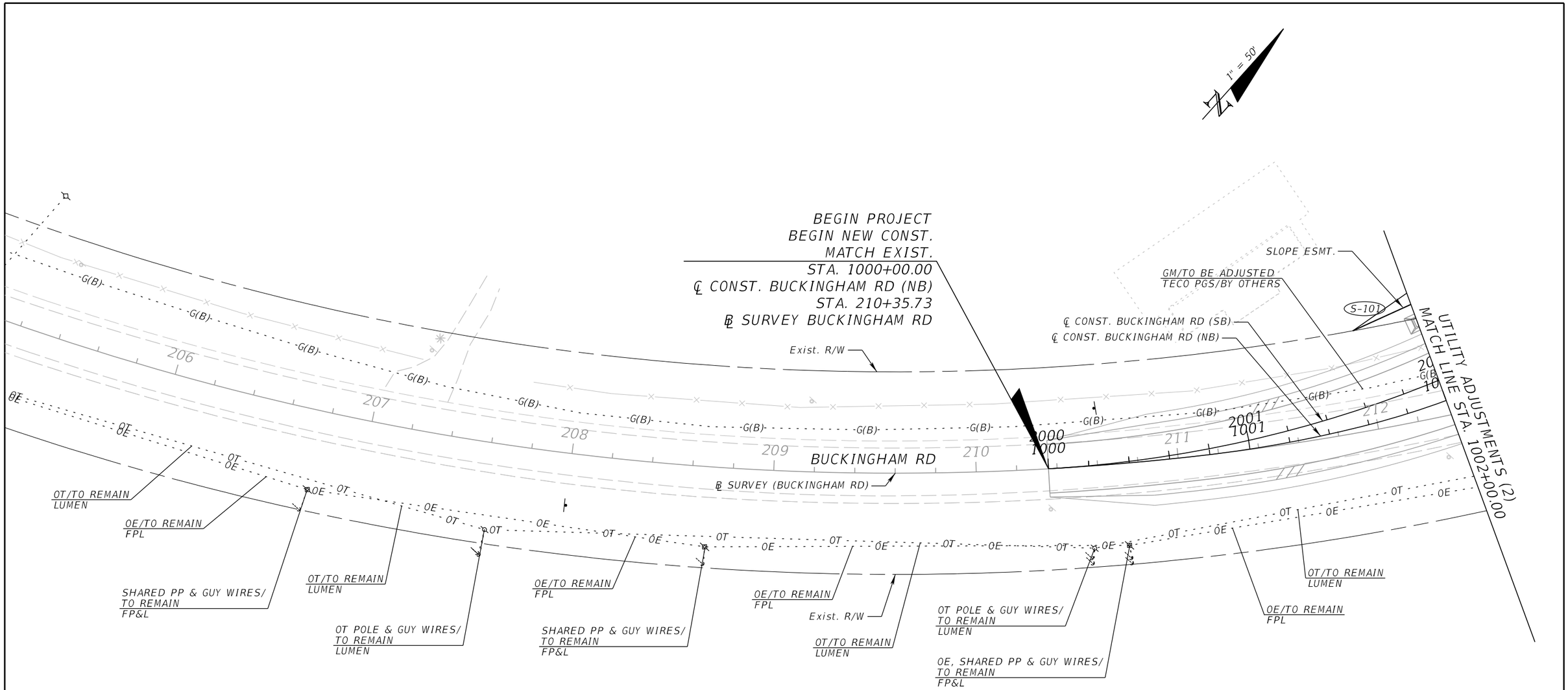

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

UTILITY ADJUSTMENTS (1) BUCKINGHAM RD

SHEET NO.

99

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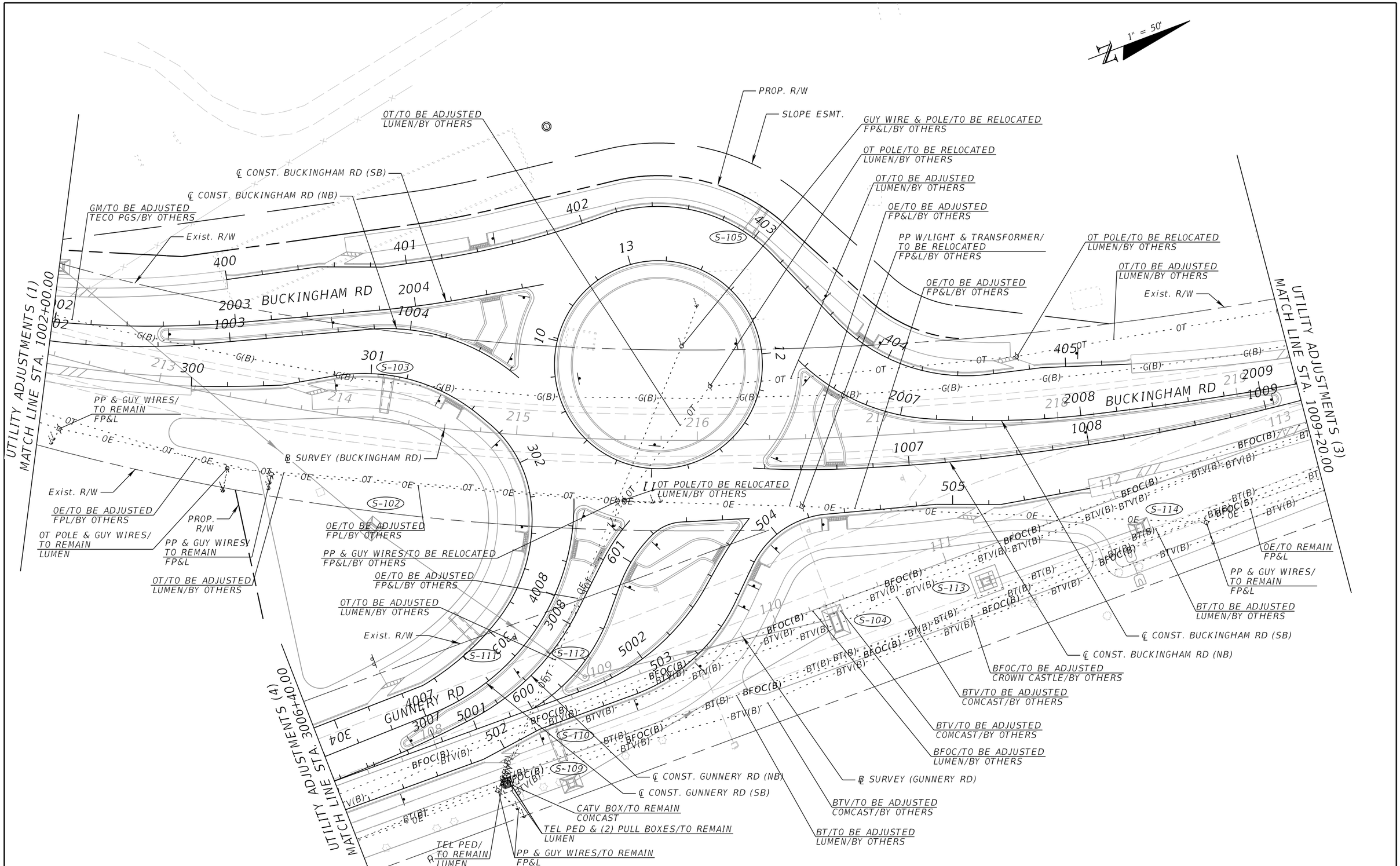

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

UTILITY ADJUSTMENTS (2) BUCKINGHAM RD

SHEET NO.

100

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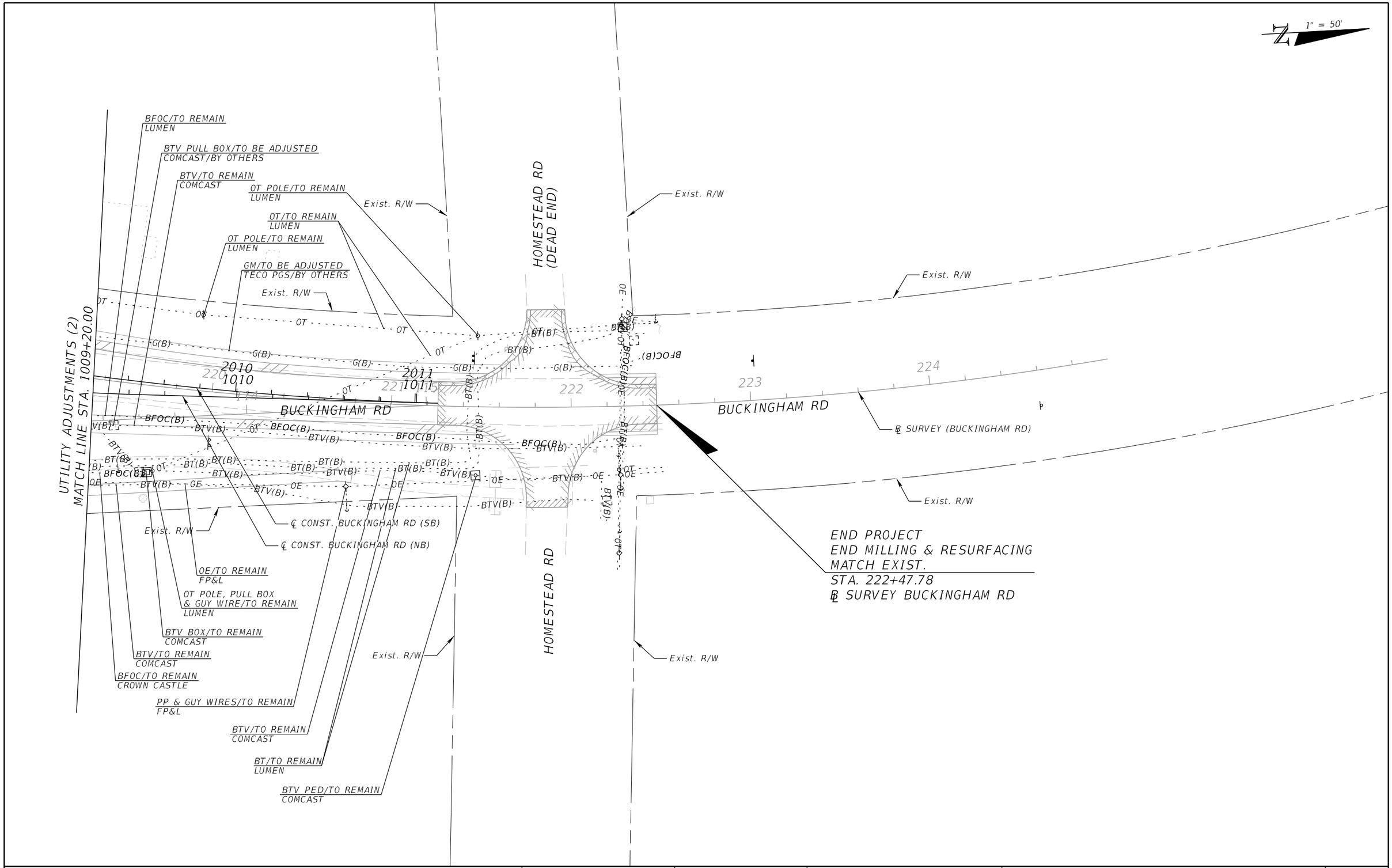

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County
Department Of Transportation

BUCKINGHAM RD & GUNNERY RD
ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

UTILITY ADJUSTMENTS (3)
BUCKINGHAM RD

SHEET NO.
101

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1" = 50'

BEGIN PROJECT
BEGIN MILLING & RESURFACING
BEGIN WIDENING
MATCH EXIST.
STA. 3000+00.00
℄ CONST. GUNNERY RD (NB)
STA. 101+00.69
℄ SURVEY GUNNERY RD

℄ CONST. GUNNERY RD (SB)
℄ CONST. GUNNERY RD (NB)
℄ SURVEY GUNNERY RD

PROP. R/W
Exist. R/W

4000 3000 4001 3001 4002 3002 GUNNERY RD 4003 3003 4004 3004 4005 3005 4006 3006 5000

BFOC(B) BTV(B) BT(B) OE OT

S-106 S-107 S-108

500

UTILITY ADJUSTMENTS (2)
MATCH LINE STA. 3006+40.00

OE/TO REMAIN
FP&L

SHARED PP/TO REMAIN
FP&L

BTV/TO BE ADJUSTED
COMCAST/BY OTHERS

BFOC/TO BE ADJUSTED
LUMEN/BY OTHERS

BT/TO REMAIN
LUMEN

SHARED PP/TO REMAIN
FP&L

OE/TO REMAIN
FP&L

OE/TO REMAIN
FP&L

PED POLE/TO REMAIN
LUMEN

JUNCTION BOX/TO REMAIN
FP&L

SHARED PP/TO REMAIN
FP&L

OT & POLE/TO REMAIN
LUMEN

Exist. R/W

OE/TO REMAIN
FP&L

TRANS. SHARED PP/
TO REMAIN
FP&L

OT & POLE/TO REMAIN
LUMEN

ELECTRIC PULL BOX/
TO REMAIN
FP&L

CATV PULL BOX/
TO REMAIN
LUMEN

OE & PP/TO REMAIN
FP&L

OE/TO REMAIN
FP&L

PP/TO REMAIN
FP&L

OT & POLE/TO REMAIN
LUMEN

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD
ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

UTILITY ADJUSTMENTS (4)
GUNNERY RD

SHEET NO.
102

INDEX OF SUMMARY OF QUANTITY SHEETS

SHEET NO.	SHEET NO.
SQ-1	SUMMARY OF LUMP SUM ITEMS
	SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES
SQ-2	SUMMARY OF LITTER REMOVAL AND MOWING
	SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS
	SUMMARY OF EARTHWORK
SQ-3	SUMMARY OF PAVEMENT
SQ-4	SUMMARY OF SIDE DRAIN & MITERED END SECTIONS
SQ-5	SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS
SQ-6	SUMMARY OF SIDEWALK & DETECTABLE WARNINGS
SQ-7	SUMMARY OF PERFORMANCE TURF

PAY ITEM NOTES

SHEET NO.	
0102 1	COST OF MILLING, RESURFACING, AND STRIPING FROM TTCP DETOURS ARE INCIDENTAL TO MAINTENANCE OF TRAFFIC.

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY P	QUANTITY F	DESIGN NOTES	CONSTRUCTION REMARKS
0101 1	MOBILIZATION	1			
0102 1	MAINTENANCE OF TRAFFIC	1		300 CONSTRUCTION DAYS	

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA. TO STA.	SIDE	SEDIMENT BARRIER 0104 10 3 LF P	SEDIMENT BARRIER 0104 10 3 LF F	INLET PROTECTION SYSTEM 0104 18 EA P	INLET PROTECTION SYSTEM 0104 18 EA F	DESIGN NOTES	CONSTRUCTION REMARKS
209+87.73 to 214+01.12	RT	1163.9					
210+03.82 to 221+40.32	LT	1170.8					
210+32.14 to 213+58.63	RT	555.5					
213+90.92 to 221+44.95	RT	912.3					
222+23.70 to 222+75.16	RT	107.3					
222+27.86 to 222+74.83	LT	89.9					
210+25.23	RT			1			
210+52.94	RT			1			
212+29.89	LT			1			
212+74.62	RT			1			
213+37.08	RT			1			
214+01.63	RT			1			
214+04.65	RT			1			
214+05.30	RT			1			
214+27.01	RT			1			
214+26.23	LT			1			
214+89.42	RT			1			
215+26.10	RT			1			
215+38.08	RT			1			
215+36.27	RT			1			
216+04.37	RT			1			
216+28.41	LT			1			
216+54.80	RT			1			
216+73.00	RT			1			
217+53.05	RT			1			
218+29.98	RT			1			
218+34.57	RT			1			
218+37.36	RT			1			
221+58.11	RT			1			
221+58.83	RT			1			
221+64.56	RT			1			
222+09.47	RT			1			
SUB-TOTAL:		3999.7		26			
TOTAL:		4000		26			

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID 442123-1-58-01

SUMMARY OF QUANTITES

SHEET NO. SQ-1

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

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 CYCLES	LITTER REMOVAL 0107 1 AREA AC/CYCLE	LITTER REMOVAL 0107 1 AREA TOTAL (AC) P	LITTER REMOVAL 0107 1 AREA TOTAL (AC) F	MOWING 0107 2 CYCLES	MOWING 0107 2 AREA AC/CYCLE	MOWING 0107 2 AREA TOTAL (AC) P	MOWING 0107 2 AREA TOTAL (AC) F	DESIGN NOTES	CONSTRUCTION REMARKS
ALL PHASES	210+01.26 to 218+20.42	RT	300	30	10	1.588	15.880		10	1.588	15.880			
	210+29.39 to 213+44.00	RT	300	30	10	0.352	3.520		10	0.352	3.520			
	210+36.01 to 221+75.70	LT	300	30	10	1.722	17.220		10	1.722	17.220			
	210+47.98 to 213+61.35	RT	300	30	10	0.152	1.520		10	0.152	1.520			
	213+75.30 to 221+37.46	RT	300	30	10	0.416	4.160		10	0.416	4.160			
	213+77.44 to 221+73.15	RT	300	30	10	0.613	6.130		10	0.613	6.130			
	221+96.00 to 222+57.86	LT	300	30	10	0.059	0.590		10	0.059	0.590			
	221+97.44 to 222+68.36	RT	300	30	10	0.057	0.570		10	0.057	0.570			
						SUB-TOTAL:	49.590				49.590			
						TOTAL:	49.59				49.59			

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNITS	SECONDARY UNITS (IF LUMP SUM) AREA (AC)	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0110 1 1	CLEARING AND GRUBBING	214+22.51 to 214+22.51	RT	LS	5.322			1		5.40 TOTAL AC	
		221+94.90 to 222+47.87	LT		0.038						
		221+97.46 to 222+48.16	RT		0.037						
0110 4 10	REMOVAL OF EXISTING CONCRETE	211+98.50 to 213+48.51	RT	SY		154		1296			
		213+14.51 to 214+99.99	LT			480					
		213+51.78 to 213+61.61	RT			1					
		213+74.66 to 221+73.65	RT			587					
		213+77.54 to 213+87.68	RT			2					
		215+24.52 to 215+41.83	LT			15					
		216+03.85 to 216+31.39	LT			38					
		216+28.08 to 216+36.64	LT			9					
		217+01.84 to 217+09.70	LT			9					

SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY P	CY F	DESIGN NOTES	CONSTRUCTION REMARKS
0120 1	REGULAR EXAVATION	7954.6			
0120 6	EMBANKMENT	708.0			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID
442123-1-58-01

SUMMARY OF QUANTITES

SHEET NO.
SQ-2

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SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0160 4	TYPE B STABILIZATION	210+28.54 to 221+77.34	LT/RT	SY	11558.1		11610			
		221+94.90 to 222+47.79	LT		35.2					
		222+16.14 to 222+47.52	RT		16.5					
285701	OPTIONAL BASE, BASE GROUP 01	210+17.74 to 214+09.27	RT	SY	338.7		1174			
		210+29.58 to 212+20.71	RT		167.4					
		210+35.73 to 213+17.91	LT/RT		143.1					
		210+35.73 to 213+26.94	LT		148.7					
		218+12.71 to 221+55.64	RT		189.6					
		218+43.86 to 221+53.86	LT		167.1					
		222+19.74 to 222+47.52	RT		9.9					
		222+20.09 to 222+47.76	LT		9.7					
285709	OPTIONAL BASE, BASE GROUP 09	210+28.54 to 221+77.34	LT/RT	SY	8834.6		8854			
		221+94.90 to 222+47.69	LT		19.0					
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	210+17.74 to 212+25.48	RT	SY	888.4		1530			
		221+25.89 to 222+47.67	LT/RT		641.1					
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	210+28.54 to 221+25.89	LT/RT	TN	969.79		969.8			
0337 7 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	210+28.54 to 222+47.76	LT/RT	TN	953.49		953.5			
0350 30 13	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 12" DEPTH	215+78.08 to 215+78.08	LT/RT	SY	243.3		243			

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REVISIONS

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JEFFREY SIEWERT, P.E.
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8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

SUMMARY OF QUANTITES

SHEET NO.

SQ-3

SUMMARY OF SIDE DRAIN & MITERED END SECTIONS

LOCATION	SIDE	PIPE LENGTH - LF		MES (1:2) - EA		DESIGN NOTES	CONSTRUCTION REMARKS
		0430174224		0430982629			
STA. TO STA.		14" X 23"		24"			
		P	F	P	F		
1008+12.19 to 1008+15.92	RT	8					
1008+12.19 to 1008+15.92	RT			2			
SUB-TOTAL:		8		2			
TOTAL:		8		2			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MATTHEW R. IVIE
P.E. LICENSE NUMBER 86205
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

SUMMARY OF QUANTITES

SHEET NO.

SQ-4

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SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	P	F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	212+97.01 to 215+02.64	LT		LF	453.1		1735			
		214+56.04 to 215+59.16	RT			376.2					
		215+33.71 to 216+22.44	RT			288.1					
		216+38.48 to 219+19.73	LT/RT			617.1					
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	212+20.71 to 213+60.31	RT		LF	209.7		1734			
		213+18.35 to 215+08.59	LT/RT			413.6					
		213+24.34 to 218+44.38	LT			536.7					
		213+83.10 to 218+13.37	RT			574.2					
0520 2 4	CONCRETE CURB, TYPE D	215+32.54 to 216+24.29	LT		LF	301.6		302			
0520 2 8	CONCRETE CURB, TYPE RA	215+25.08 to 216+32.07	LT		LF	351.9		352			

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

SUMMARY OF QUANTITES

SHEET NO.

SQ-5

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION	SIDE	CONC SIDEWALK 6"		DETECTABLE WARNINGS		DIRECTIONAL INDICATOR		DESIGN NOTES	CONSTRUCTION REMARKS
		0522 2		0527 2		0919528			
STA. TO STA.		SY		SF		SF			
		P	F	P	F	P	F		
211+98.46 to 213+49.49	RT	150.0							
213+71.26 to 215+09.67	LT/RT	318.1							
213+80.19 to 217+89.76	LT	470.6							
213+81.09 to 220+74.45	RT	708.1							
214+72.61 to 214+89.22	LT	33.9							
215+33.21 to 215+50.81	RT	17.9							
215+62.46 to 216+14.65	RT	61.2							
216+66.16 to 216+80.66	LT/RT	47.6							
213+39.91 to 213+43.84	RT			12.0					
213+81.09 to 213+84.99	RT			12.0					
214+58.86 to 214+69.54	LT			20.8					
214+64.34 to 214+76.13	LT			20.7					
214+72.03 to 214+82.96	LT			20.5					
214+73.30 to 214+84.92	LT			20.6					
215+07.01 to 215+09.68	RT			20.8					
215+33.11 to 215+36.59	RT			20.6					
215+44.94 to 215+51.06	RT			20.6					
215+62.20 to 215+68.38	RT			20.9					
216+07.79 to 216+14.91	RT			20.7					
216+27.80 to 216+34.15	RT			20.7					
216+70.05 to 216+81.31	RT			20.6					
216+70.09 to 216+81.20	RT			20.7					
216+70.60 to 216+80.63	LT			20.5					
216+90.58 to 217+00.57	LT			20.8					
213+80.93 to 213+93.30	LT					18.7			
213+88.35 to 214+01.57	LT					18.7			
214+41.46 to 215+52.73	RT					21.6			
215+02.85 to 215+12.78	RT					18.7			
217+40.25 to 217+51.98	RT					17.8			
217+67.41 to 217+80.59	RT					19.0			
SUB-TOTAL:		1807.4		313.5		114.5			
TOTAL:		1807		314		114			

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

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

442123-1-58-01

SUMMARY OF QUANTITES

SHEET NO.

SQ-6

SUMMARY OF PERFORMANCE TURF

LOCATION	SIDE	PERFORMANCE TURF (SOD) 0570 1 2 SY		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.		P	F		
210+09.84 to 214+93.30	LT/RT	3744.9			
210+30.56 to 213+59.96	RT	937.3			
210+35.73 to 221+75.28	LT	2833.6			
212+97.13 to 214+77.36	LT	163.8			
213+81.09 to 215+06.83	RT	117.5			
213+82.09 to 221+75.15	RT	3785.9			
213+91.37 to 214+64.10	LT	49.7			
214+21.02 to 214+21.02	LT	53.6			
214+44.99 to 215+08.61	RT	80.3			
214+56.33 to 215+45.87	RT	150.3			
214+66.50 to 215+09.69	LT/RT	60.7			
214+73.71 to 216+95.01	LT	116.3			
214+83.28 to 215+02.15	LT	46.8			
215+03.54 to 216+34.12	RT	131.3			
215+32.94 to 215+32.94	LT	790.2			
215+34.04 to 216+08.62	RT	221.3			
215+34.89 to 215+58.78	RT	37.9			
215+67.72 to 216+22.05	RT	64.3			
216+33.50 to 216+70.37	RT	33.5			
216+38.85 to 216+70.48	LT/RT	94.3			
216+76.51 to 219+19.67	LT/RT	419.7			
216+81.08 to 217+50.44	RT	51.4			
217+00.70 to 217+78.21	LT	54.0			
221+96.96 to 222+47.80	LT	154.8			
221+97.46 to 222+48.16	RT	168.1			
SUB-TOTAL:		14361.5			
TOTAL:		14361			

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY,
SUITE 200
TAMPA, FL 33637

Lee County Department Of Transportation

BUCKINGHAM RD & GUNNERY RD ROUNDABOUT

FINANCIAL PROJECT ID

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SUMMARY OF QUANTITES

SHEET NO.

SQ-7