

**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**

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**GOVERNING STANDARD PLANS:**

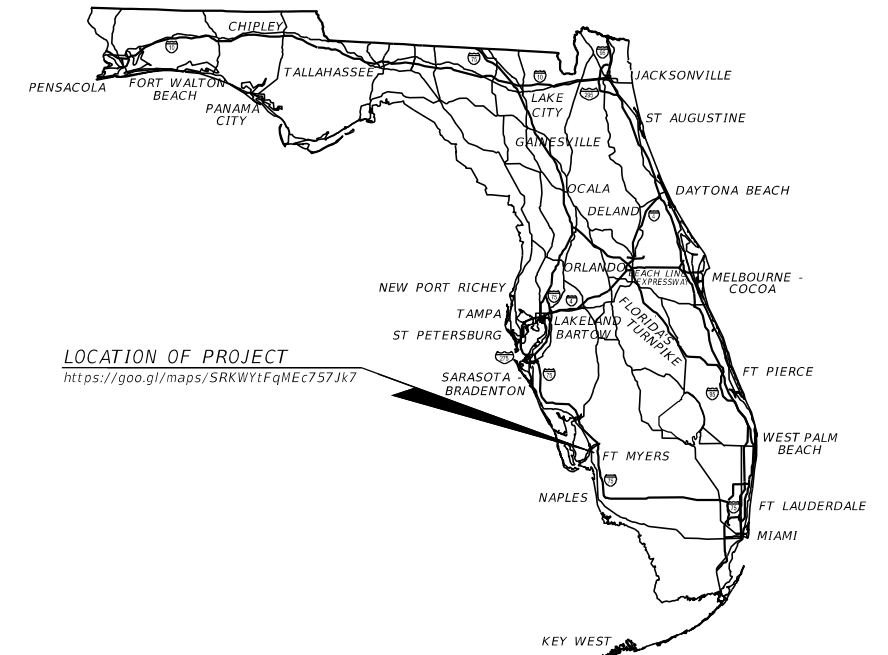
Florida Department of Transportation, FY2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

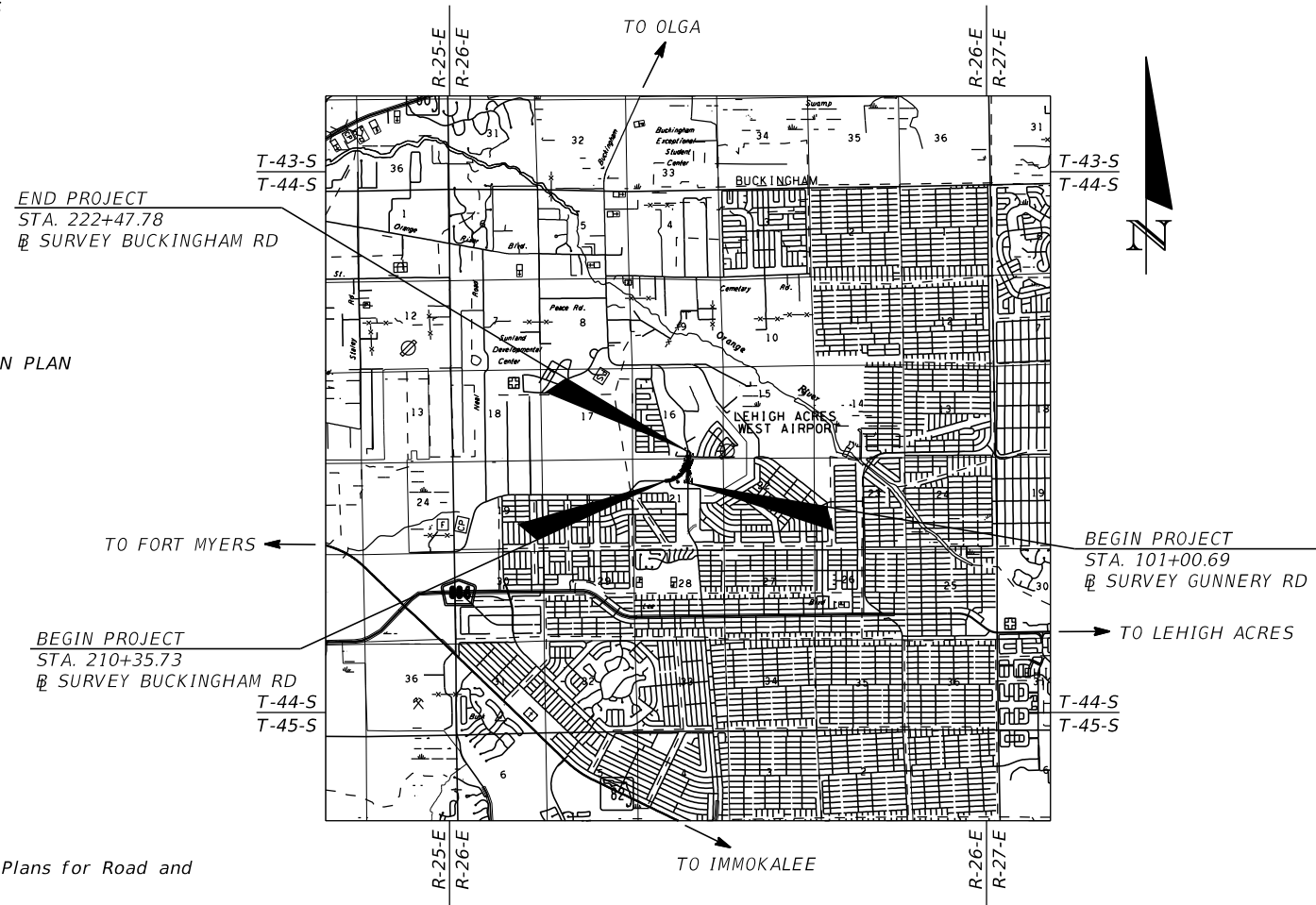
Standard Plans for Bridge Construction are included in the Structures Plans Component

**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>



LOCATION OF PROJECT  
<https://goo.gl/maps/SRKWYtFqMec757Jk7>



**PHASE IV PLANS**  
**03/23/21**

**ROADWAY PLANS**  
**ENGINEER OF RECORD:**

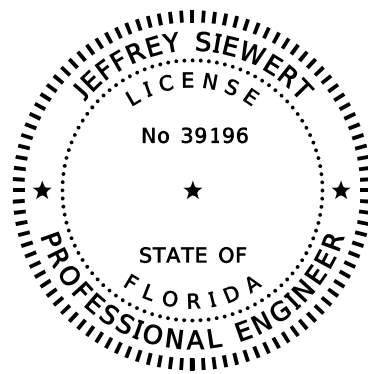
JEFFREY SIEWERT, P.E.  
P.E. LICENSE NUMBER 39196  
AYRES ASSOCIATES  
8875 HIDDEN RIVER PKWY, SUITE 200  
TAMPA, FL 33637  
(813) 978-8688

**LCDOT PROJECT MANAGER:**

ALEJANDRO J. SLAIBE, P.E.

FISCAL YEAR	SHEET NO.
24	1

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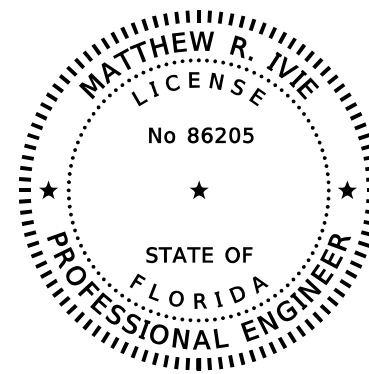
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AYRES ASSOCIATES INC  
8875 HIDDEN RIVER PKWY, SUITE 200  
TAMPA, FL 33637  
JEFFREY SIEWERT, P.E. NO. 39196

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

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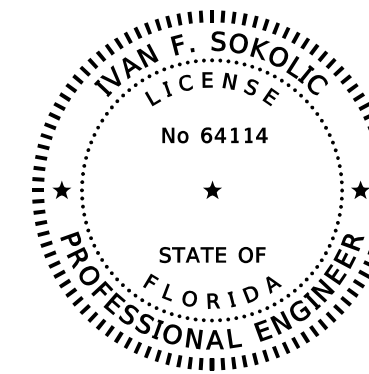
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TAMPA, FL 33637  
MATTHEW R. IVIE, P.E. NO. 86205

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<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
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37 - 43	DRAINAGE STRUCTURES
44 - 45	POND PLAN AND DETAILS
68 - 69	STORMWATER POLLUTION PREVENTION PLAN
70 - 71	EROSION CONTROL
SQ-4	SUMMARY OF QUANTITIES



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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.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
47	ROADWAY SOIL SURVEY

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT	FINANCIAL PROJECT ID 442123-1-58-01	SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						2



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 BY CONTRACTOR 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

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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



BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT

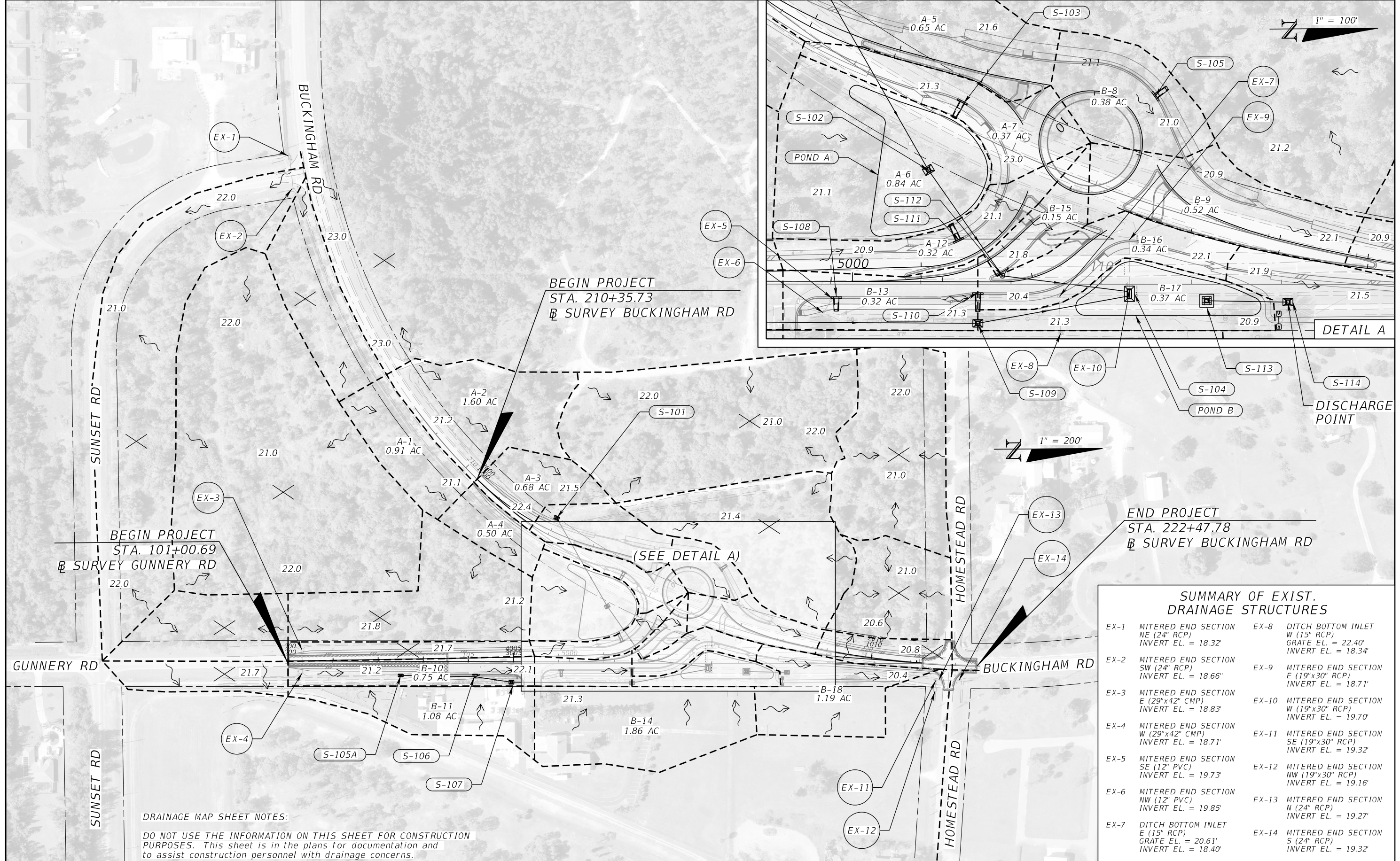
FINANCIAL PROJECT ID

442123-1-58-01

SUMMARY OF PAY ITEMS

SHEET NO.

3



**SUMMARY OF EXIST. DRAINAGE STRUCTURES**

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

**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.

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

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

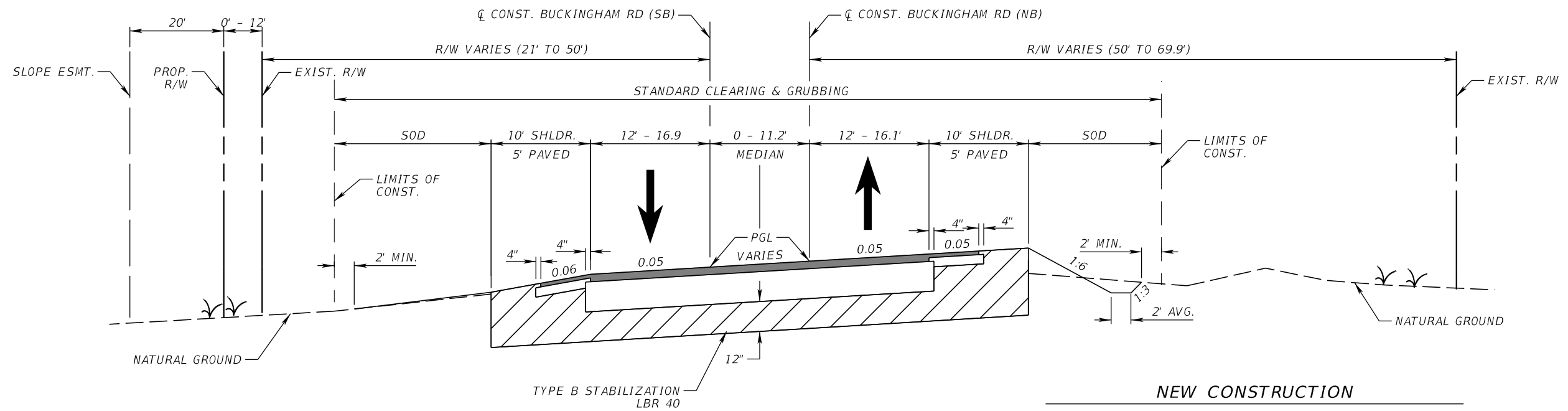
**BUCKINGHAM RD & GUNNER RD  
ROUNDAABOUT**

FINANCIAL PROJECT ID  
442123-1-58-01

**DRAINAGE MAP**

SHEET NO.  
4

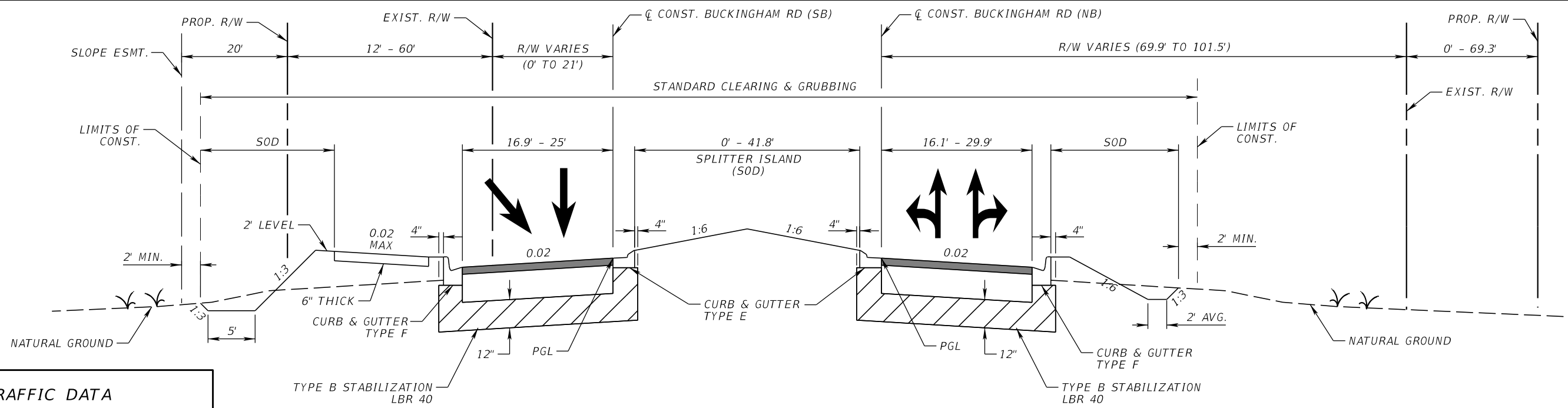
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**TYPICAL SECTION 1**  
**(BUCKINGHAM RD APPROACHING ROUNDABOUT)**  
**STA. 1000+00.00 TO STA. 1002+59.95**

**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,  
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 TAMPA, FL 33637



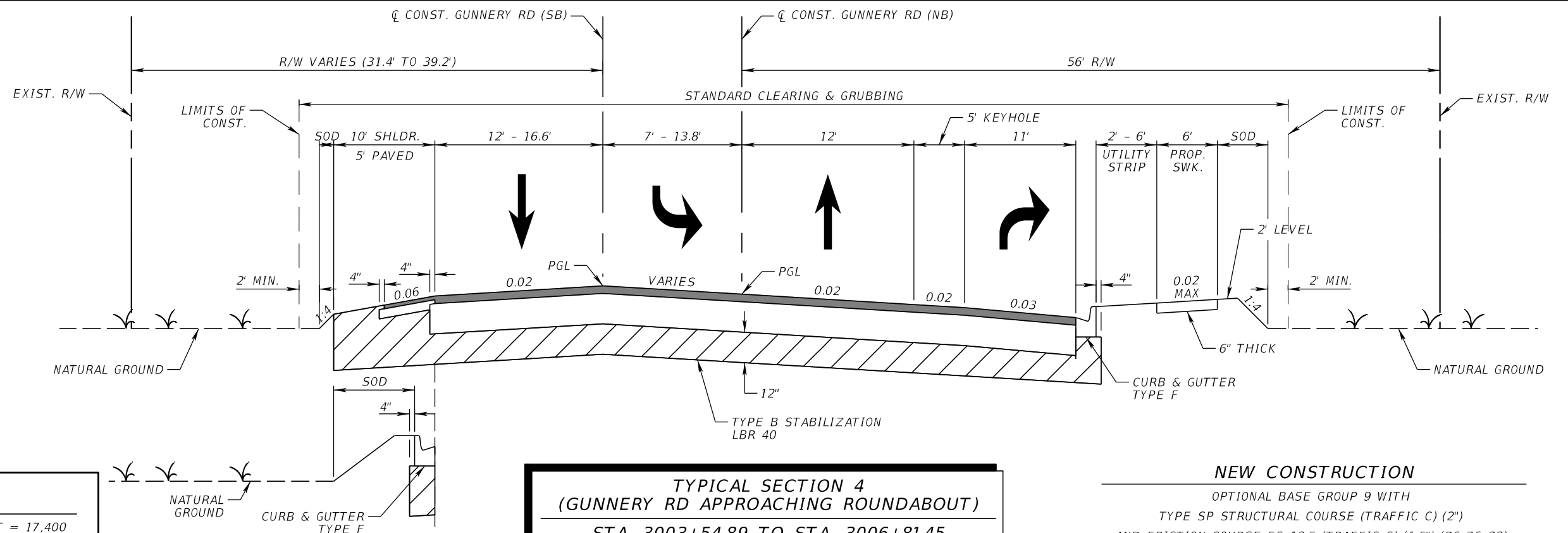
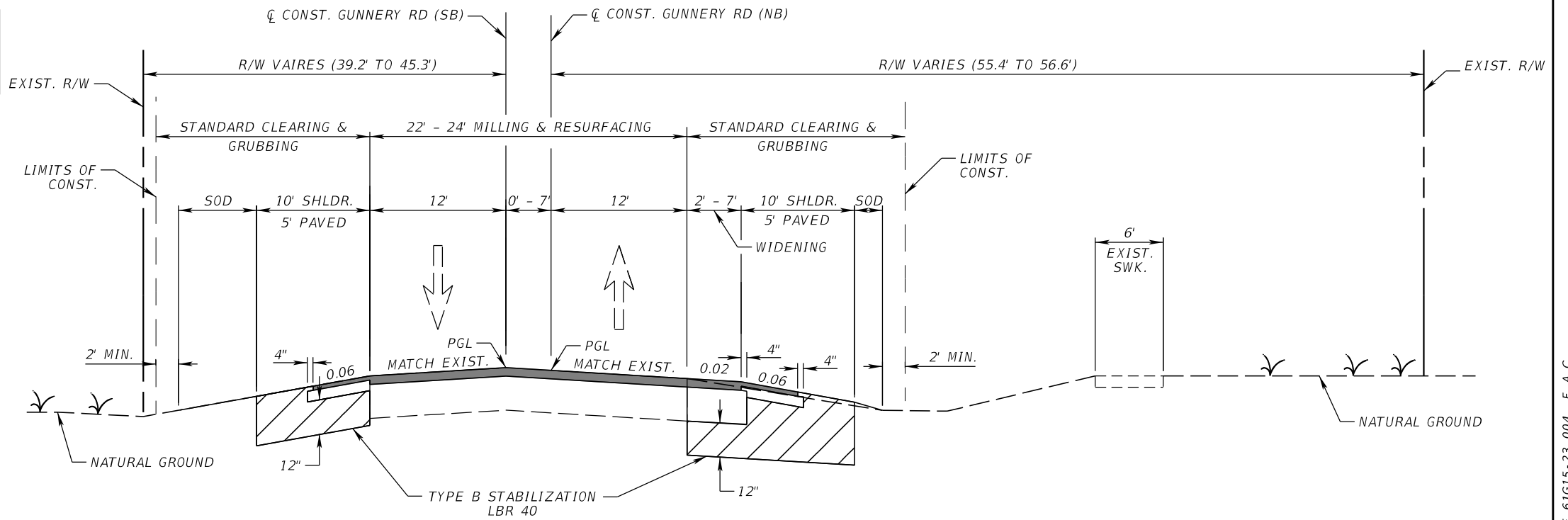
**BUCKINGHAM RD & GUNNERY RD**  
**ROUNDABOUT**  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**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)



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

- 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

STA. 3005+90.10 TO  
STA. 3006+81.45

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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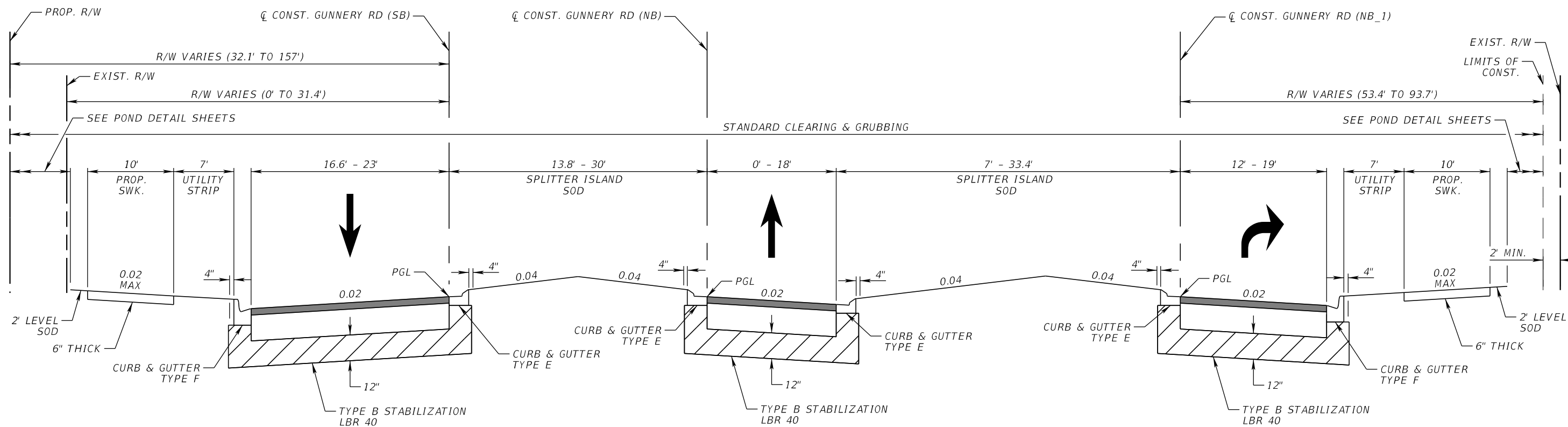


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TYPICAL SECTIONS (2)**

SHEET NO.  
6

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**TYPICAL SECTION 5  
(GUNNERLY 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

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 P.E. LICENSE NUMBER 39196  
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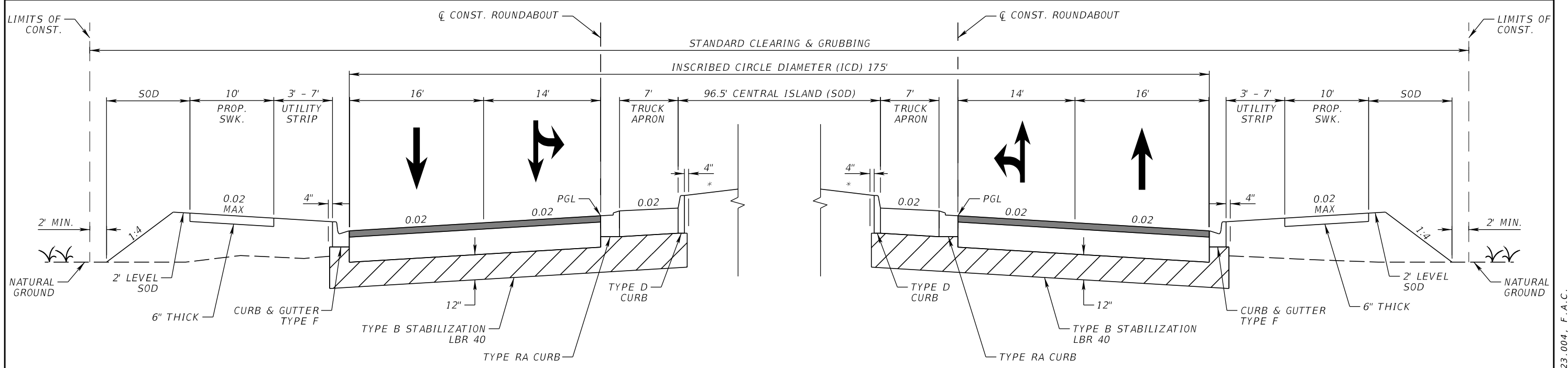
BUCKINGHAM RD & GUNNERLY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TYPICAL SECTIONS (3)**

SHEET NO.  
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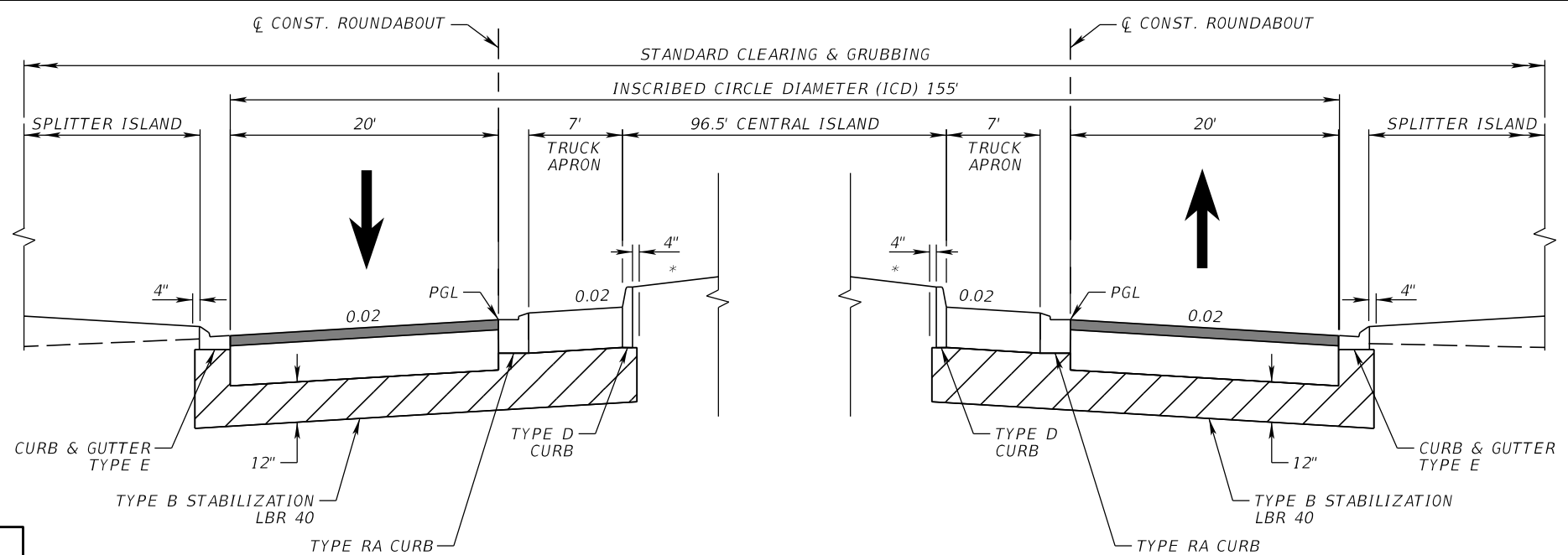


**TYPICAL SECTION 6  
(BUCKINGHAM RD AT ROUNDABOUT)**  
 STA. 10+13.11 TO 11+53.44  
 STA. 11+90.10 TO STA. 13+48.15

**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)



**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)

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

**TRAFFIC DATA**

CURRENT YEAR = 2020 AADT = 17,400  
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 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

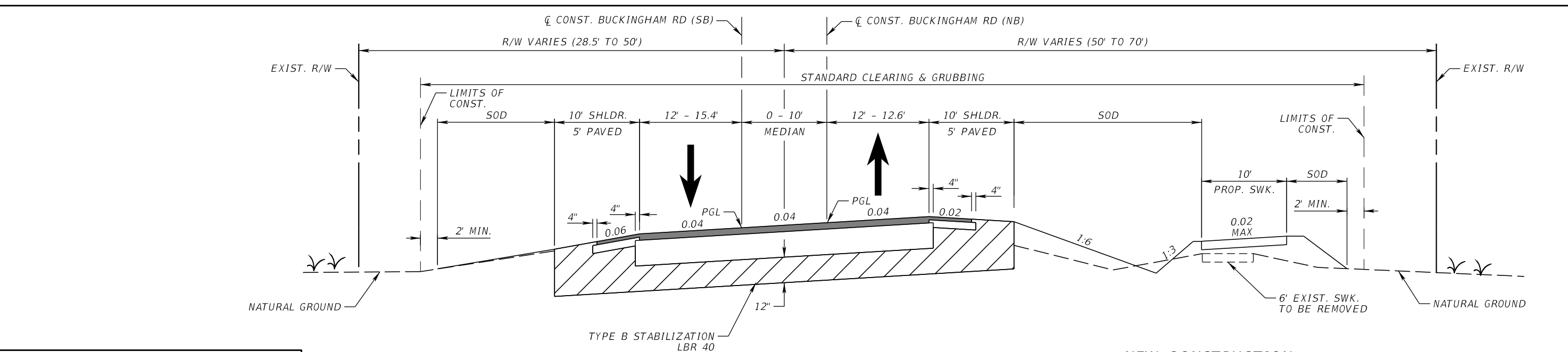
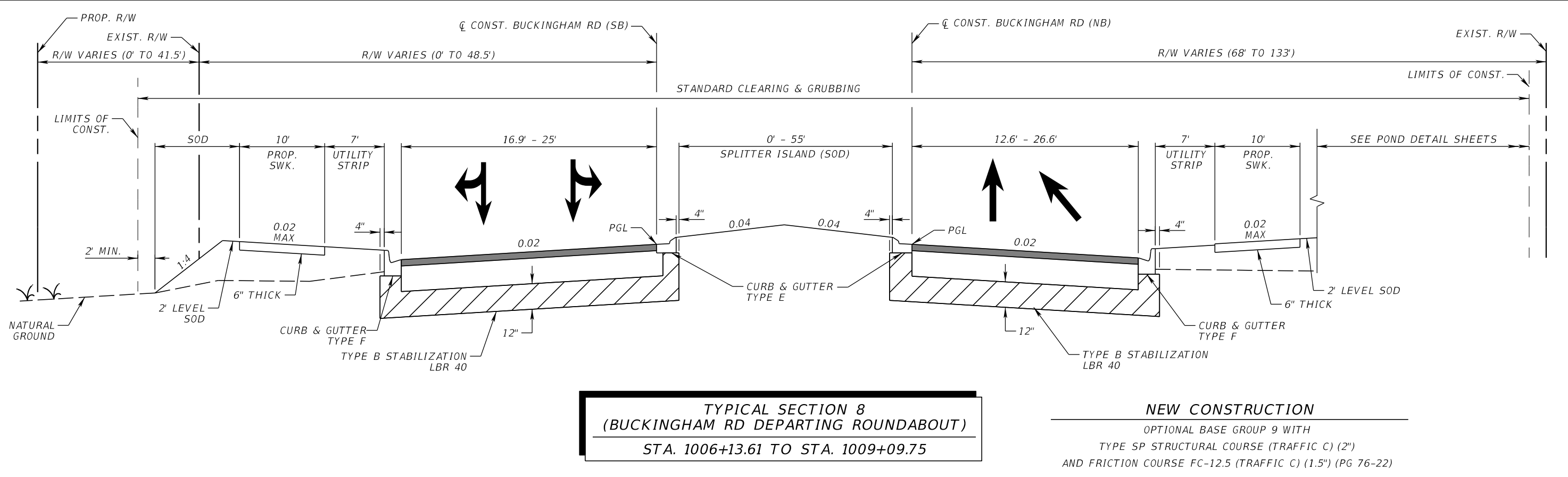


**BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT**  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**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.



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

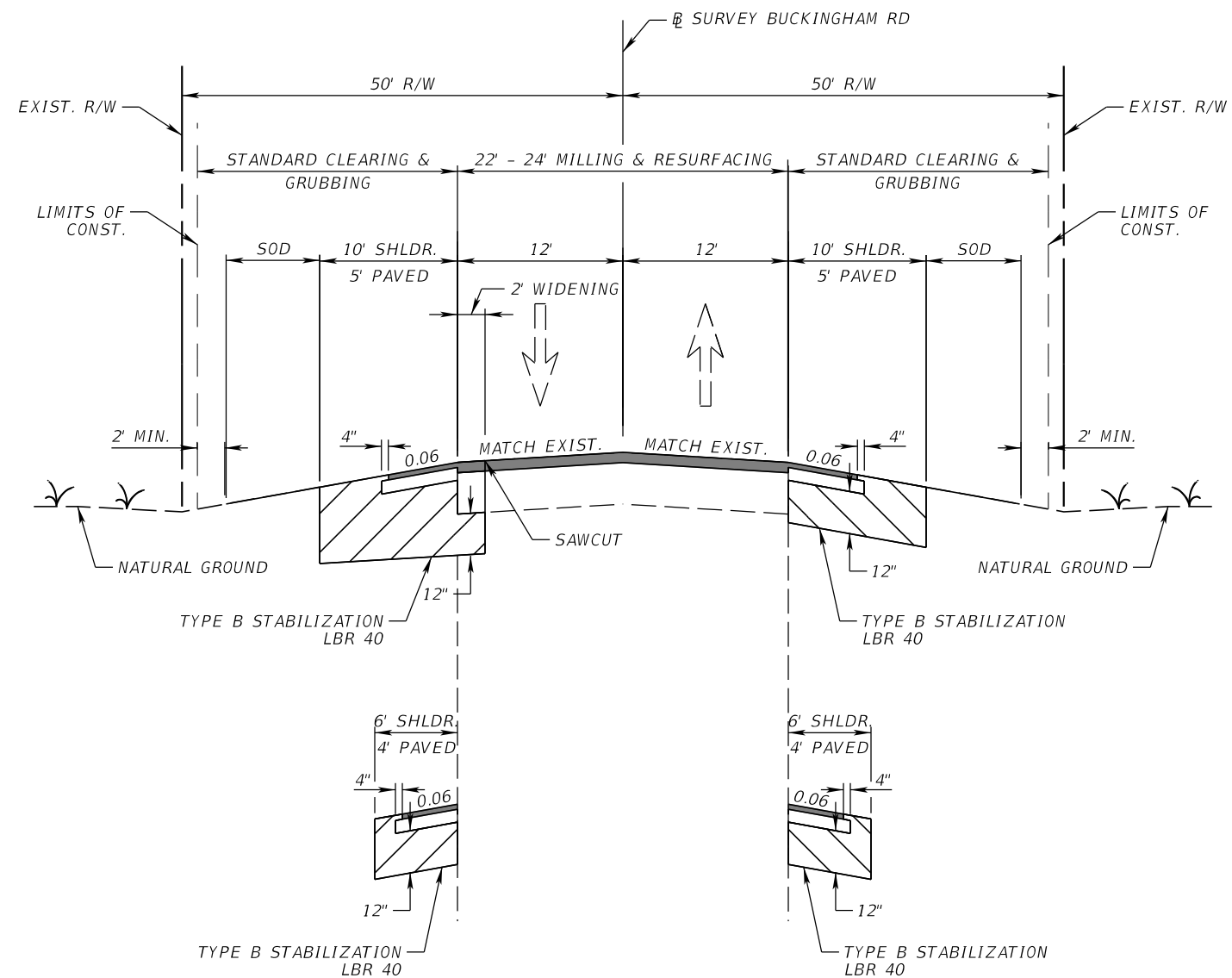
JEFFREY SIEWERT, P.E.  
 P.E. LICENSE NUMBER 39196  
 AYRES ASSOCIATES  
 8875 HIDDEN RIVER PKWY,  
 SUITE 200  
 TAMPA, FL 33637



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)

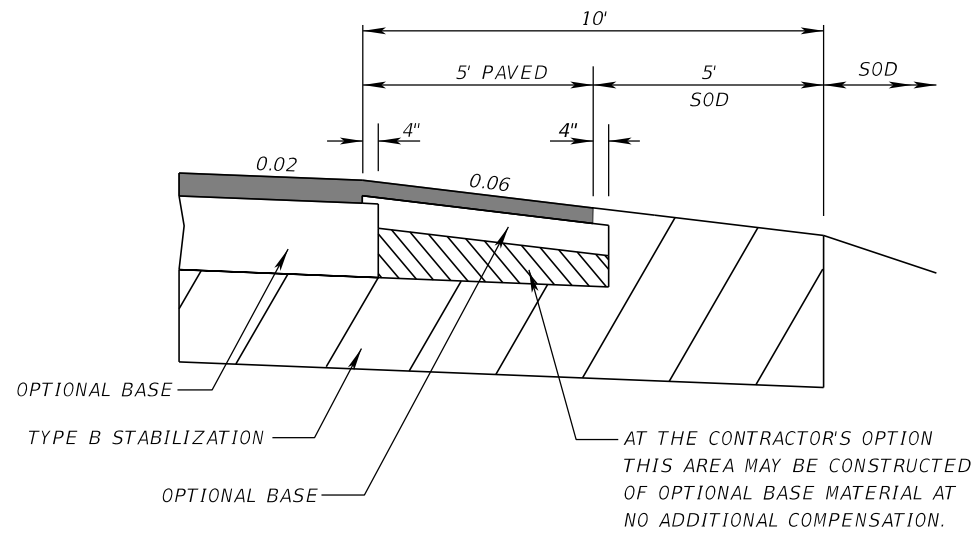
**TRAFFIC DATA**

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

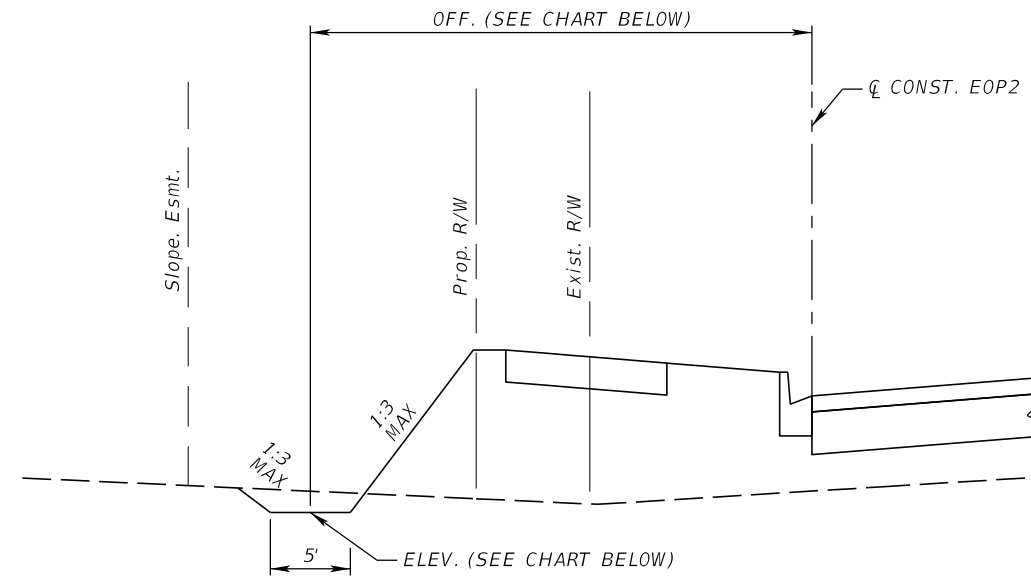
REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<b>TYPICAL SECTIONS (6)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					10

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



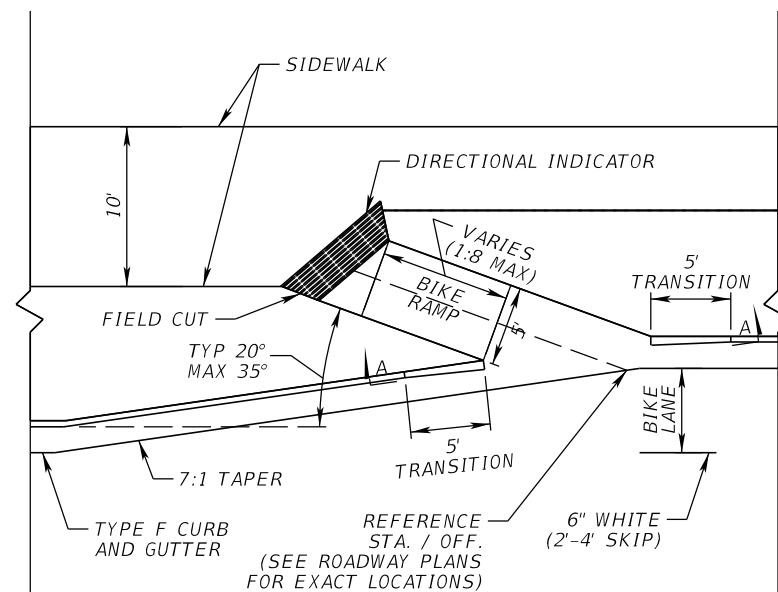


SHOULDER PAVEMENT DETAIL

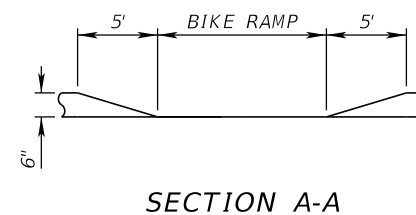


ROADSIDE DITCH DETAIL

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

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



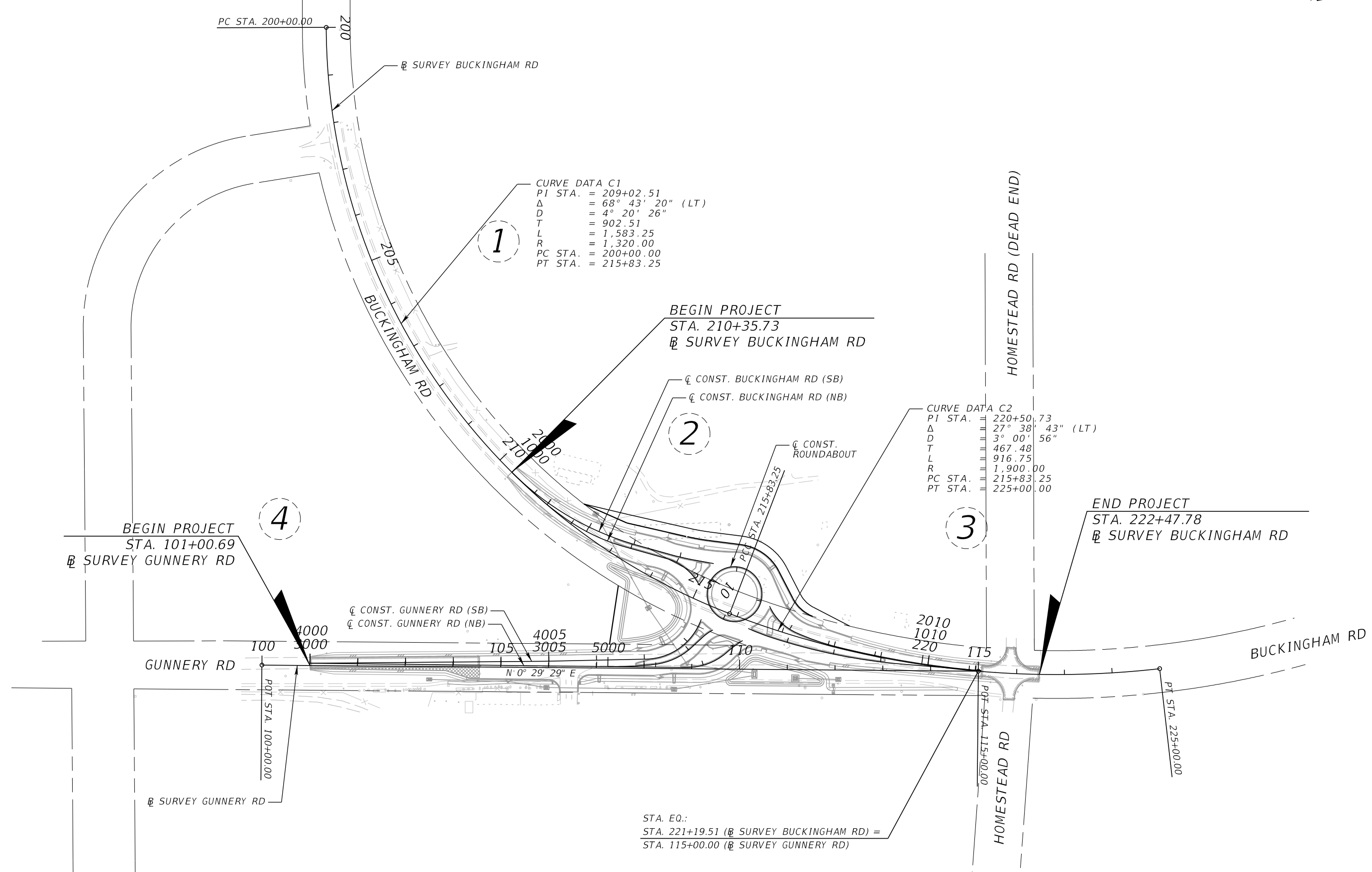
BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

TYPICAL SECTION DETAILS

SHEET NO.

11





STA. EQ.:  
 STA. 221+19.51 (☒ SURVEY BUCKINGHAM RD) =  
 STA. 115+00.00 (☒ SURVEY GUNNERY RD)

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<b>PROJECT LAYOUT (1)</b>	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION					

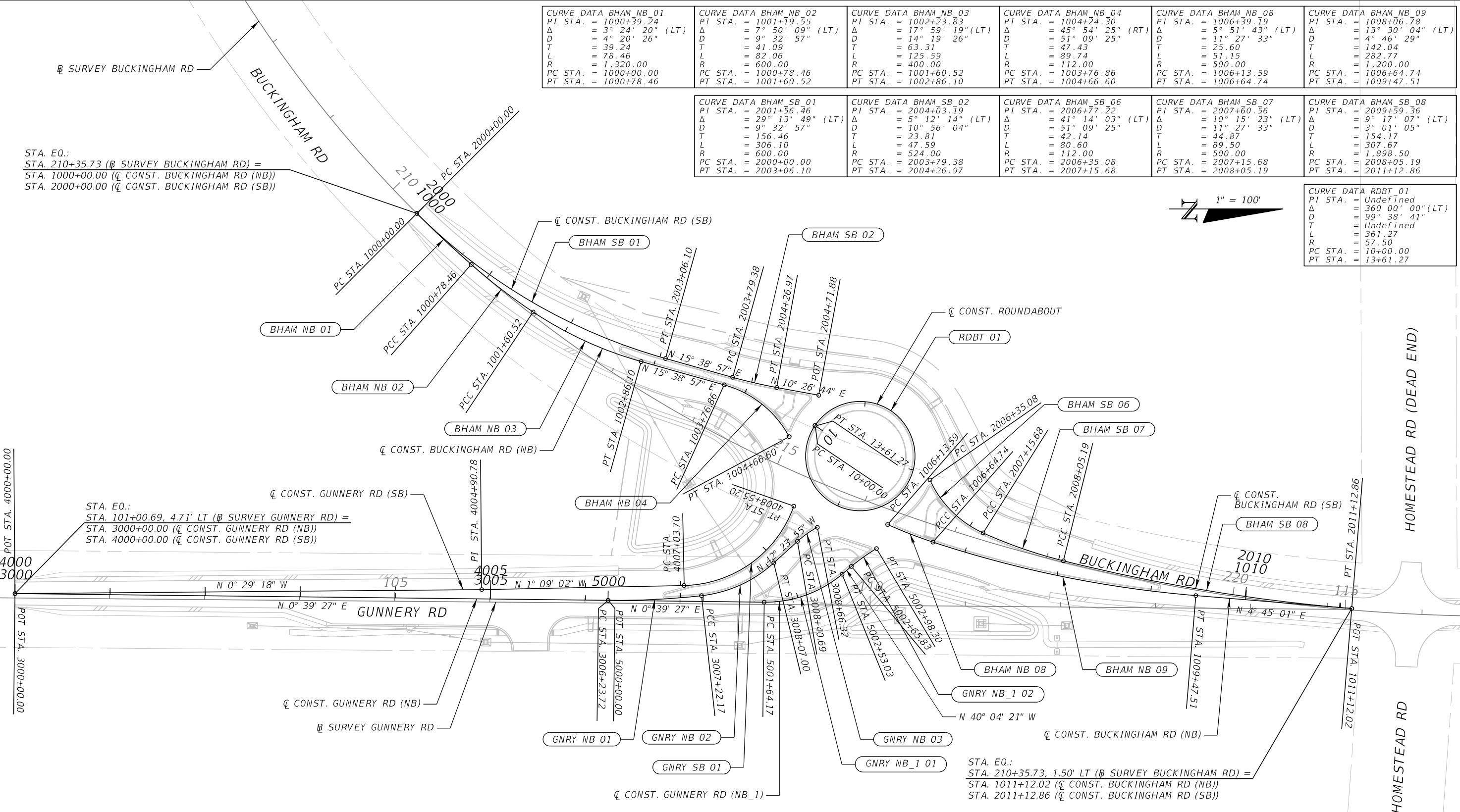
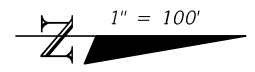
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

<b>CURVE DATA BHAM NB 01</b> PI STA. = 1000+39.24 Δ = 3° 24' 20" (LT) D = 4° 20' 26" T = 39.24 L = 78.46 R = 1,320.00 PC STA. = 1000+00.00 PT STA. = 1000+78.46	<b>CURVE DATA BHAM NB 02</b> PI STA. = 1001+79.55 Δ = 7° 50' 09" (LT) D = 9° 32' 57" T = 41.09 L = 82.06 R = 600.00 PC STA. = 1000+78.46 PT STA. = 1001+60.52	<b>CURVE DATA BHAM NB 03</b> PI STA. = 1002+23.83 Δ = 17° 59' 19" (LT) D = 14° 19' 26" T = 63.31 L = 125.59 R = 400.00 PC STA. = 1001+60.52 PT STA. = 1002+86.10	<b>CURVE DATA BHAM NB 04</b> PI STA. = 1004+24.30 Δ = 45° 54' 25" (RT) D = 51° 09' 25" T = 47.43 L = 89.74 R = 112.00 PC STA. = 1003+76.86 PT STA. = 1004+66.60	<b>CURVE DATA BHAM NB 08</b> PI STA. = 1006+39.19 Δ = 5° 51' 43" (LT) D = 11° 27' 33" T = 25.60 L = 51.15 R = 500.00 PC STA. = 1006+13.59 PT STA. = 1006+64.74	<b>CURVE DATA BHAM NB 09</b> PI STA. = 1008+06.78 Δ = 13° 30' 04" (LT) D = 4° 46' 29" T = 142.04 L = 282.77 R = 1,200.00 PC STA. = 1006+64.74 PT STA. = 1009+47.51
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<b>CURVE DATA BHAM SB 01</b> PI STA. = 2001+56.46 Δ = 29° 13' 49" (LT) D = 9° 32' 57" T = 156.46 L = 306.10 R = 600.00 PC STA. = 2000+00.00 PT STA. = 2003+06.10	<b>CURVE DATA BHAM SB 02</b> PI STA. = 2004+03.19 Δ = 5° 12' 14" (LT) D = 10° 56' 04" T = 23.81 L = 47.59 R = 524.00 PC STA. = 2003+79.38 PT STA. = 2004+26.97	<b>CURVE DATA BHAM SB 06</b> PI STA. = 2006+77.22 Δ = 41° 14' 03" (LT) D = 51° 09' 25" T = 42.14 L = 80.60 R = 112.00 PC STA. = 2006+35.08 PT STA. = 2007+15.68	<b>CURVE DATA BHAM SB 07</b> PI STA. = 2007+60.56 Δ = 10° 15' 23" (LT) D = 11° 27' 33" T = 44.87 L = 89.50 R = 500.00 PC STA. = 2007+15.68 PT STA. = 2008+05.19	<b>CURVE DATA BHAM SB 08</b> PI STA. = 2009+59.36 Δ = 9° 17' 07" (LT) D = 3° 01' 05" T = 154.17 L = 307.67 R = 1,898.50 PC STA. = 2008+05.19 PT STA. = 2011+12.86
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<b>CURVE DATA RDBT_01</b> 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
--

STA. EQ.:  
STA. 210+35.73 (B SURVEY BUCKINGHAM RD) =  
STA. 1000+00.00 (C CONST. BUCKINGHAM RD (NB))  
STA. 2000+00.00 (C CONST. BUCKINGHAM RD (SB))



STA. EQ.:  
STA. 101+00.69, 4.71' LT (B SURVEY GUNTERY RD) =  
STA. 3000+00.00 (C CONST. GUNTERY RD (NB))  
STA. 4000+00.00 (C CONST. GUNTERY RD (SB))

STA. EQ.:  
STA. 210+35.73, 1.50' LT (B SURVEY BUCKINGHAM RD) =  
STA. 1011+12.02 (C CONST. BUCKINGHAM RD (NB))  
STA. 2011+12.86 (C CONST. BUCKINGHAM RD (SB))

<b>CURVE DATA GNRV NB 01</b> PI STA. = 3006+73.00 Δ = 7° 03' 04" (LT) D = 7° 09' 43" T = 49.29 L = 98.45 R = 800.00 PC STA. = 3006+23.72 PT STA. = 3007+22.17	<b>CURVE DATA GNRV NB 02</b> PI STA. = 3007+66.04 Δ = 36° 00' 18" (LT) D = 42° 26' 29" T = 43.87 L = 84.83 R = 135.00 PC STA. = 3007+22.17 PT STA. = 3008+07.00	<b>CURVE DATA GNRV NB 03</b> PI STA. = 3008+53.57 Δ = 14° 40' 49" (RT) D = 57° 17' 45" T = 12.88 L = 25.62 R = 100.00 PC STA. = 3008+40.69 PT STA. = 3008+66.32	<b>CURVE DATA GNRV SB 01</b> 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	<b>CURVE DATA GNRV NB_1 01</b> PI STA. = 5002+10.57 Δ = 40° 43' 48" (LT) D = 45° 50' 12" T = 46.40 L = 88.86 R = 125.00 PC STA. = 5001+64.17 PT STA. = 5002+53.03	<b>CURVE DATA GNRV NB_1 02</b> PI STA. = 5002+82.10 Δ = 9° 18' 15" (RT) D = 28° 38' 52" T = 16.27 L = 32.48 R = 200.00 PC STA. = 5002+65.83 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

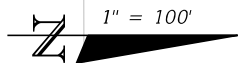


BUCKINGHAM RD & GUNTERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

PROJECT LAYOUT (2)

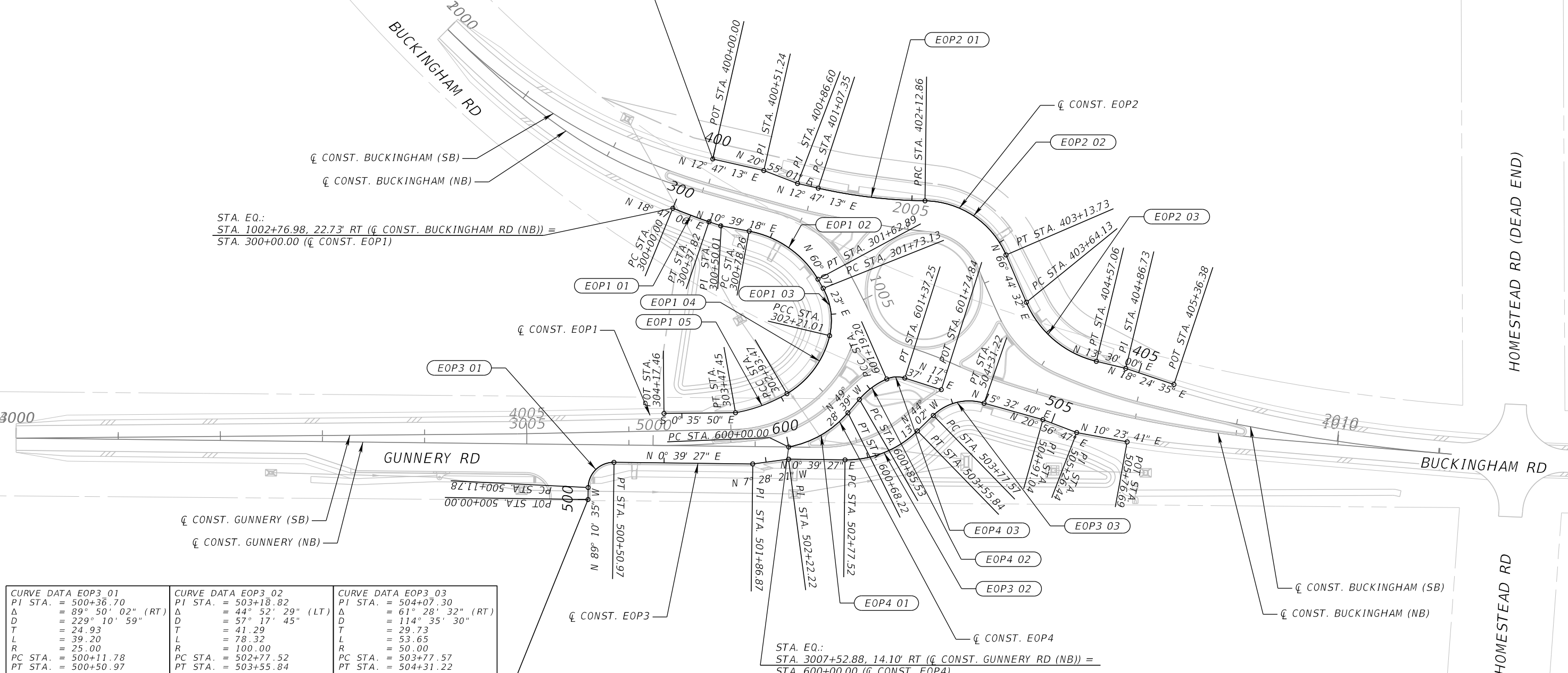
SHEET NO.  
14

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



<b>CURVE DATA EOP1_01</b> PI STA. = 300+18.92 Δ = 3° 30' 43" (LT) D = 9° 17' 10" T = 18.92 L = 37.82 R = 617.00 PC STA. = 300+00.00 PT STA. = 300+37.82	<b>CURVE DATA EOP1_02</b> PI STA. = 301+23.30 Δ = 48° 29' 26" (RT) D = 57° 17' 45" T = 45.04 L = 84.63 R = 100.00 PC STA. = 300+78.26 PT STA. = 301+62.89	<b>CURVE DATA EOP1_03</b> PI STA. = 301+98.21 Δ = 42° 12' 14" (RT) D = 88° 08' 50" T = 25.08 L = 47.88 R = 65.00 PC STA. = 301+73.13 PT STA. = 302+21.01	<b>CURVE DATA EOP1_04</b> PI STA. = 302+59.33 Δ = 46° 07' 50" (RT) D = 63° 39' 43" T = 38.32 L = 72.46 R = 90.00 PC STA. = 302+21.01 PT STA. = 302+93.47	<b>CURVE DATA EOP1_05</b> PI STA. = 303+20.75 Δ = 20° 37' 09" (RT) D = 38° 11' 50" T = 27.29 L = 53.98 R = 150.00 PC STA. = 302+93.47 PT STA. = 303+47.45
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<b>CURVE DATA EOP2_01</b> PI STA. = 401+60.30 Δ = 12° 05' 28" (LT) D = 11° 27' 33" T = 52.95 L = 105.51 R = 500.00 PC STA. = 401+07.35 PT STA. = 402+12.86	<b>CURVE DATA EOP2_02</b> PI STA. = 402+69.74 Δ = 66° 02' 47" (RT) D = 65° 28' 51" T = 56.87 L = 100.86 R = 87.50 PC STA. = 402+12.86 PT STA. = 403+13.73	<b>CURVE DATA EOP2_03</b> PI STA. = 404+14.25 Δ = 53° 14' 32" (LT) D = 57° 17' 45" T = 50.12 L = 92.93 R = 100.00 PC STA. = 403+64.13 PT STA. = 404+57.06
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<b>CURVE DATA EOP3_01</b> PI STA. = 500+36.70 Δ = 89° 50' 02" (RT) D = 229° 10' 59" T = 24.93 L = 39.20 R = 25.00 PC STA. = 500+11.78 PT STA. = 500+50.97	<b>CURVE DATA EOP3_02</b> PI STA. = 503+18.82 Δ = 44° 52' 29" (LT) D = 57° 17' 45" T = 41.29 L = 78.32 R = 100.00 PC STA. = 502+77.52 PT STA. = 503+55.84	<b>CURVE DATA EOP3_03</b> PI STA. = 504+07.30 Δ = 61° 28' 32" (RT) D = 114° 35' 30" T = 29.73 L = 53.65 R = 50.00 PC STA. = 503+77.57 PT STA. = 504+31.22
---	---	---

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

STA. EQ.:  
STA. 3005+60.63, 53.70' RT (Q CONST. GUNNERY RD (NB)) =  
STA. 500+00.00 (Q CONST. EOP3)

**ALIGNMENT LAYOUT - EOP ALIGNMENTS**

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

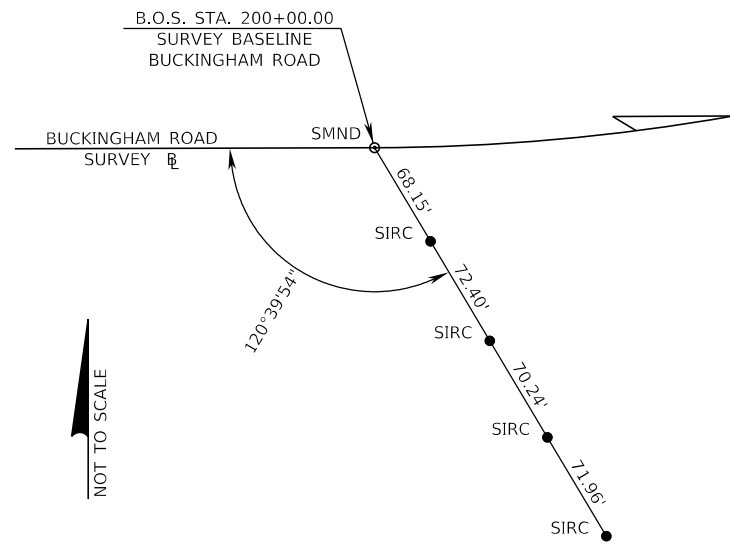


BUCKINGHAM RD & GUNNERY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

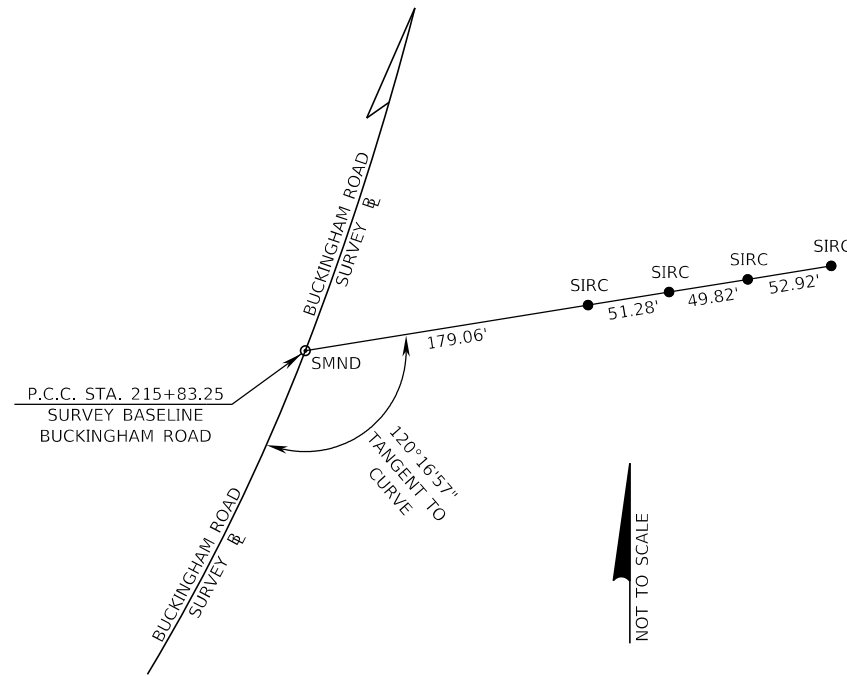
PROJECT LAYOUT (3)

SHEET NO.  
15

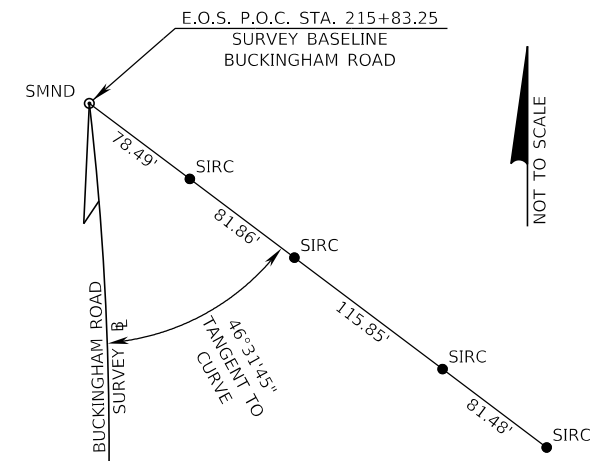
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



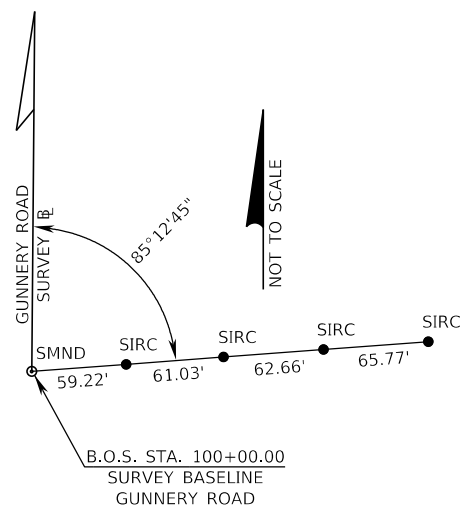
B.O.S. STA. 200+00.00  
BUCKINGHAM ROAD



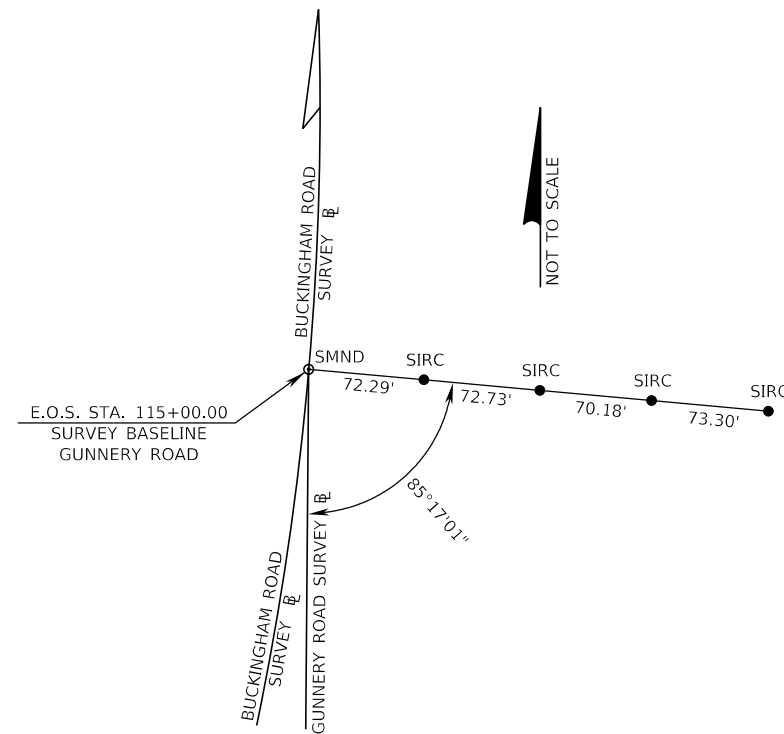
P.C.C. STA. 215+83.25  
BUCKINGHAM ROAD



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



BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**PROJECT CONTROL**

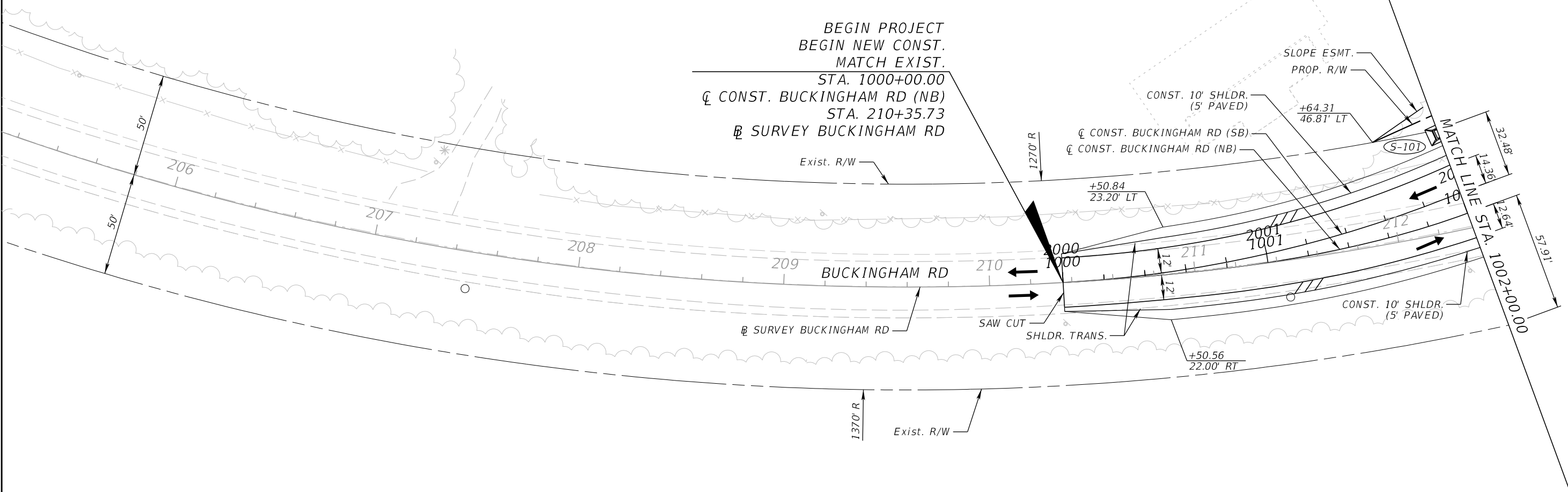
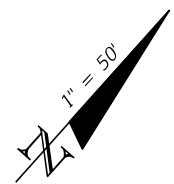
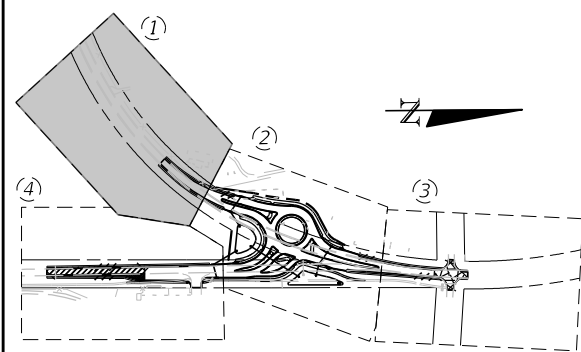
SHEET NO.  
**16**

**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 MCCLLOUD                                      (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.

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT		SHEET NO.  17
DATE	DESCRIPTION	DATE	DESCRIPTION			FINANCIAL PROJECT ID		
						442123-1-58-01		


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



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 CL CONST. BUCKINGHAM RD (NB)  
 UNLESS NOTED OTHERWISE.

**LEGEND**  
 → LANE DIRECTION ARROW\*  
 \* FOR INFORMATIONAL PURPOSES ONLY

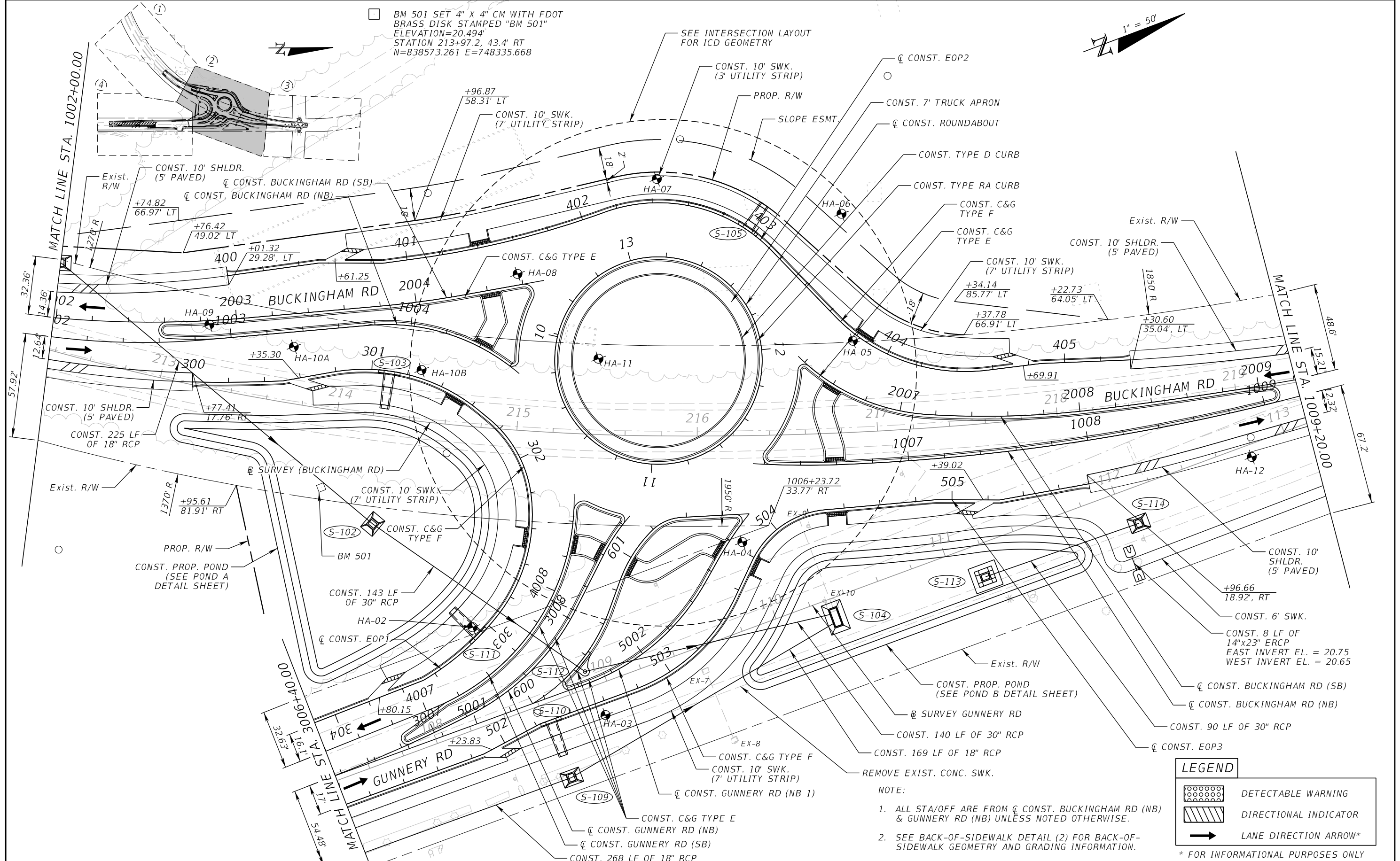
REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDAABOUT FINANCIAL PROJECT ID 442123-1-58-01	ROADWAY PLANS (1) BUCKINGHAM RD	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					18

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



BM 501 SET 4" X 4" CM WITH FDOT  
BRASS DISK STAMPED "BM 501"  
ELEVATION=20.494'  
STATION 213+97.2, 43.4' RT  
N=838573.261 E=748335.668

1" = 50'



- NOTE:
- ALL STA/OFF ARE FROM C<sub>Q</sub> CONST. BUCKINGHAM RD (NB) & GUNNERY RD (NB) UNLESS NOTED OTHERWISE.
  - SEE BACK-OF-SIDEWALK DETAIL (2) FOR BACK-OF-SIDEWALK GEOMETRY AND GRADING INFORMATION.

**LEGEND**

- DETECTABLE WARNING
- DIRECTIONAL INDICATOR
- LANE DIRECTION ARROW\*

\* FOR INFORMATIONAL PURPOSES ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

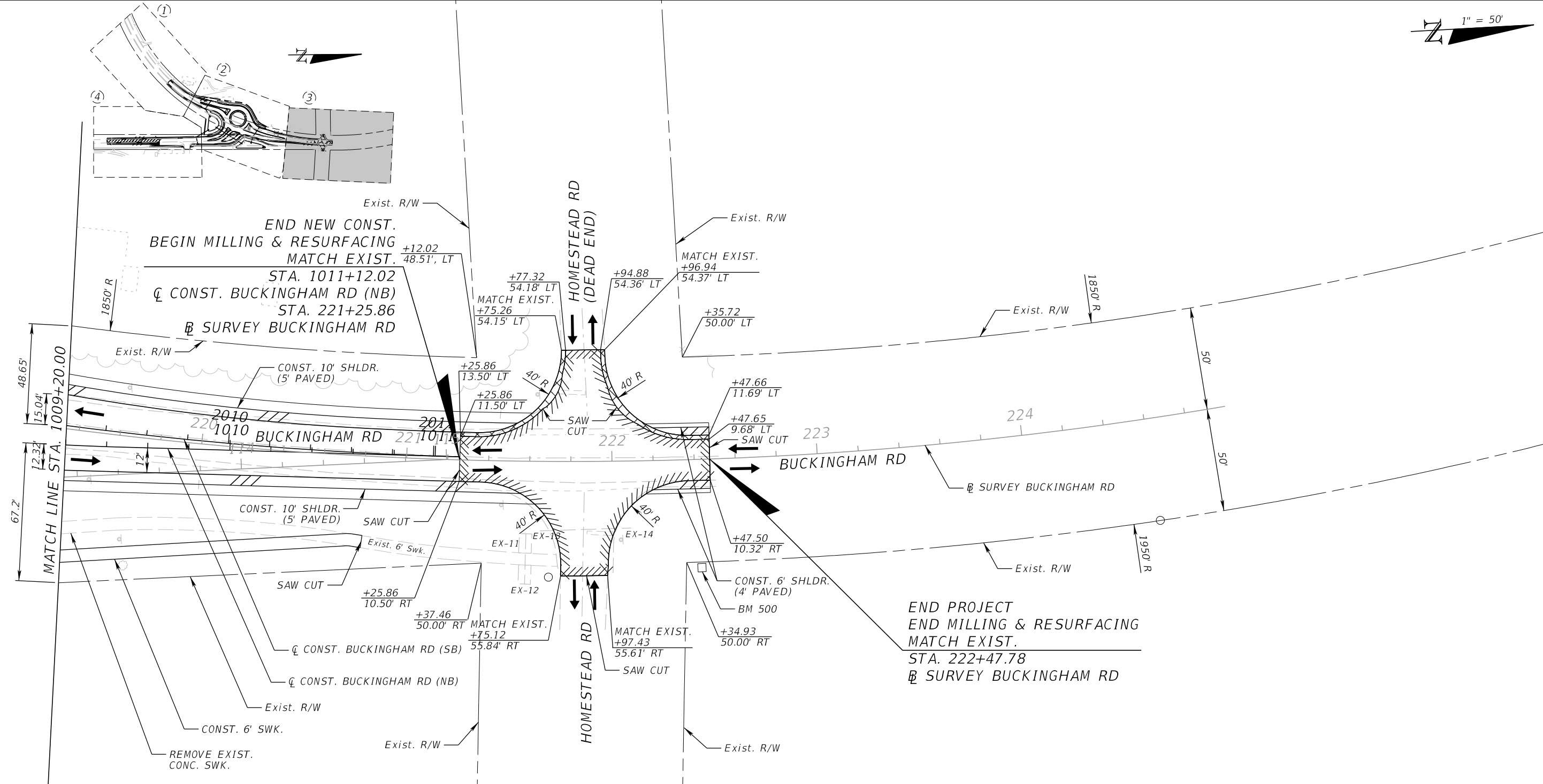
JEFFREY SIEWERT, P.E.  
P.E. LICENSE NUMBER 39196  
AYRES ASSOCIATES  
8875 HIDDEN RIVER PKWY,  
SUITE 200  
TAMPA, FL 33637

BUCKINGHAM RD & GUNNERY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**ROADWAY PLANS (2)**  
**BUCKINGHAM RD**



SHEET NO.  
19

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




NOTE:  
ALL STA/OFF FOR MILLING & WIDENING ARE FROM  $\mathcal{B}$  SURVEY BUCKINGHAM RD.

**LEGEND**

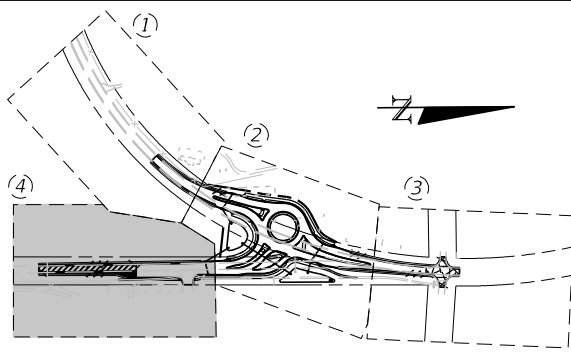
-  MILLING & RESURFACING
-  WIDENING
-  LANE DIRECTION ARROW\*

\* 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		REVISIONS		JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	ROADWAY PLANS (3) BUCKINGHAM RD	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION					

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

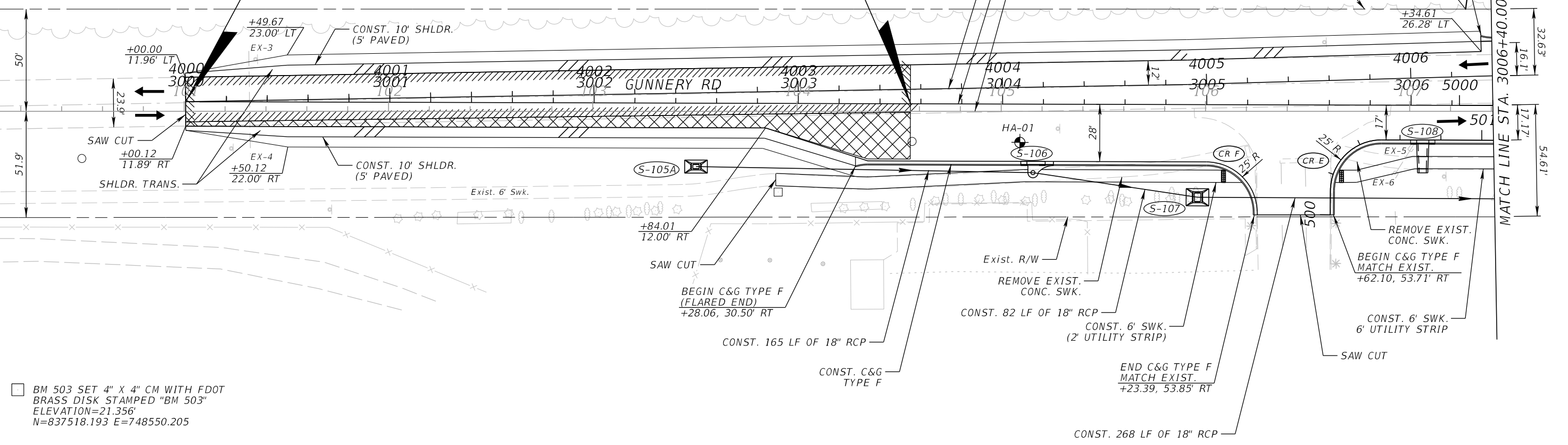


1" = 50'

BEGIN PROJECT  
 BEGIN MILLING & RESURFACING  
 BEGIN WIDENING  
 MATCH EXIST.

STA. 3000+00.00  
 C CONST. GUNNERY RD (NB)  
 STA. 101+00.69  
 B SURVEY GUNNERY RD

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



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*

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

\* 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

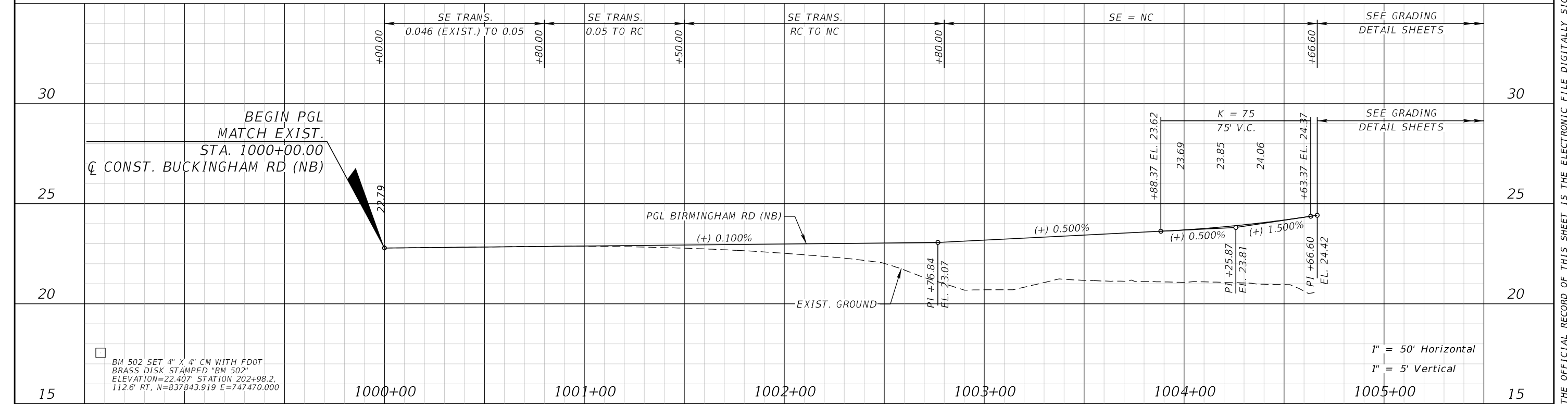
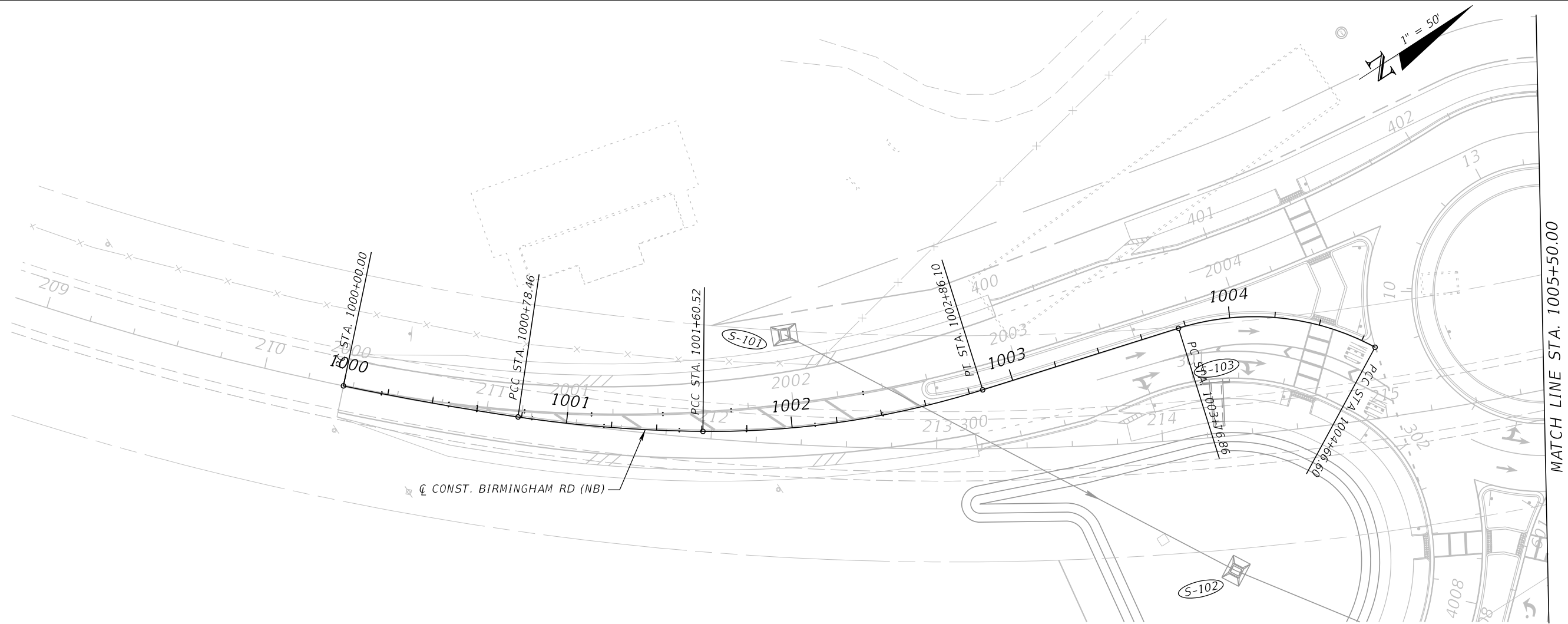


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

ROADWAY PLANS (4)  
 GUNNERY RD

SHEET NO.  
 21

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



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

1" = 50' Horizontal  
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

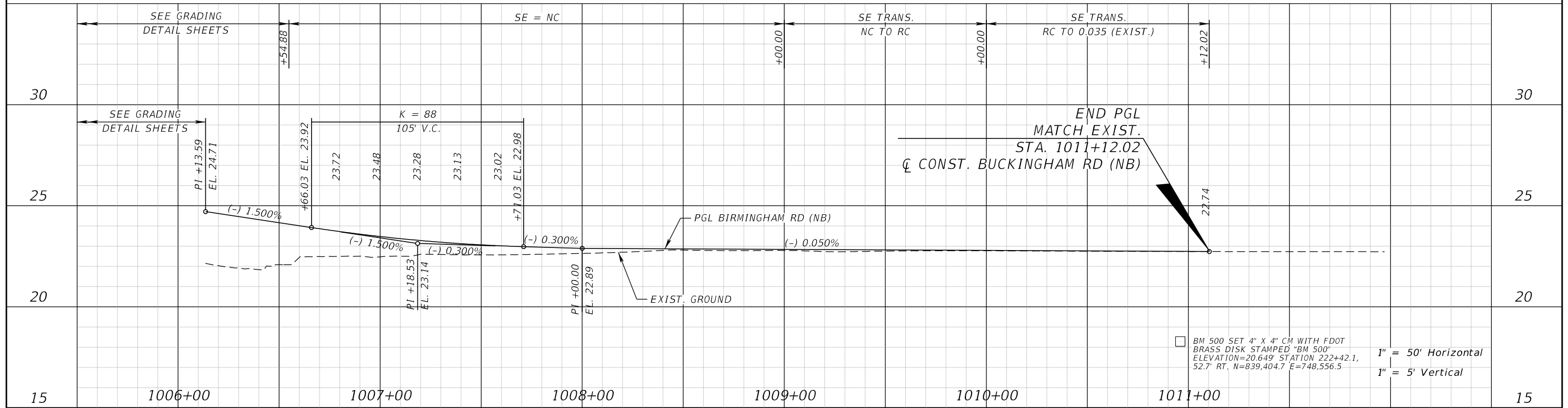
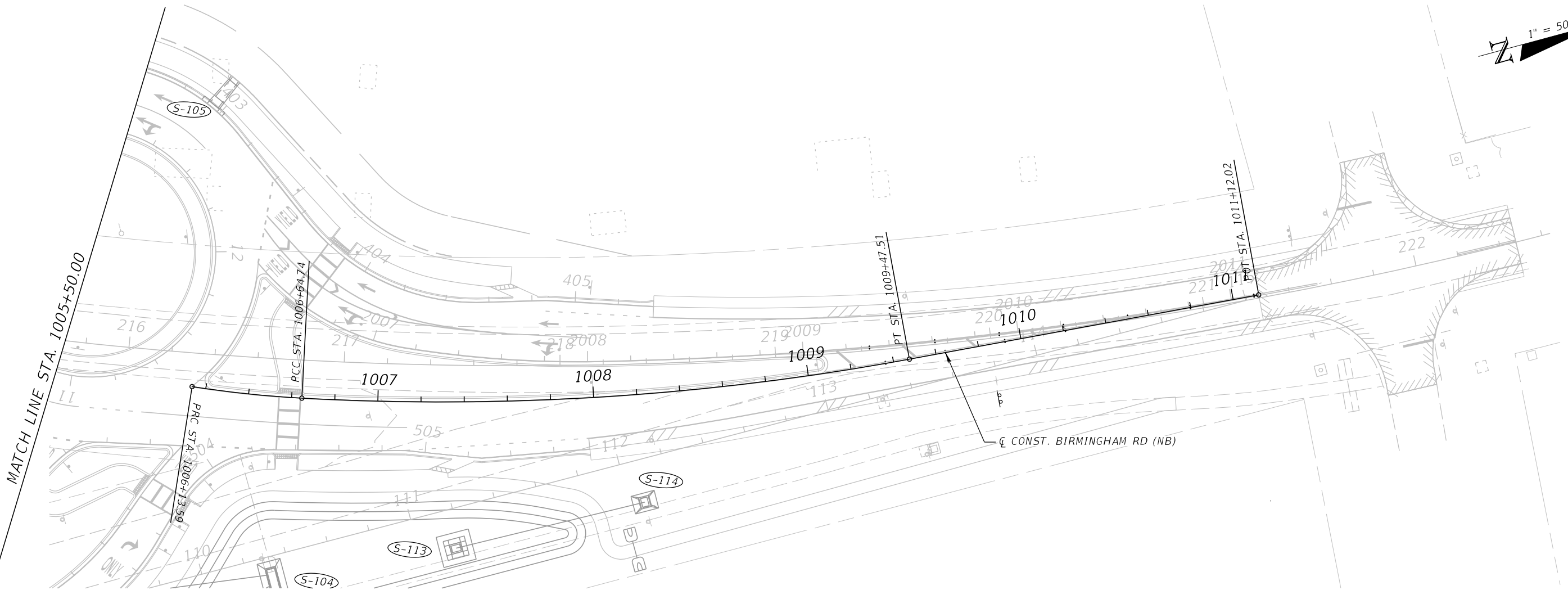
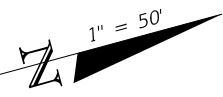
JEFFREY SIEWERT, P.E.  
P.E. LICENSE NUMBER 39196  
AYRES ASSOCIATES  
8875 HIDDEN RIVER PKWY,  
SUITE 200  
TAMPA, FL 33637



BUCKINGHAM RD & GUNNERY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

ROADWAY PROFILES (1)  
BUCKINGHAM RD (NB)  
SHEET NO. 22

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



□ 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  
 1" = 50' Horizontal  
 1" = 5' Vertical

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

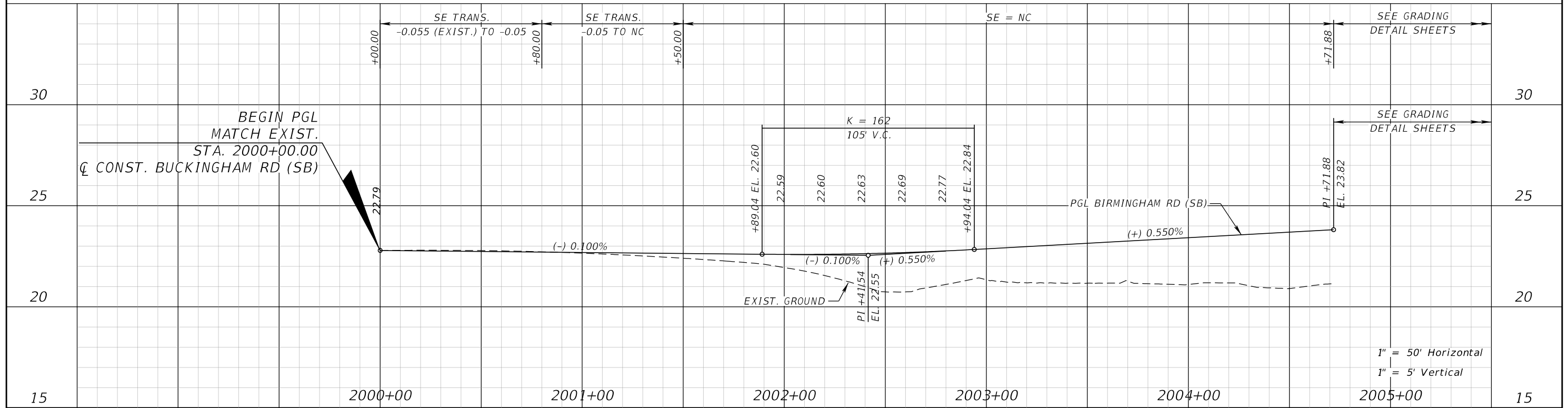
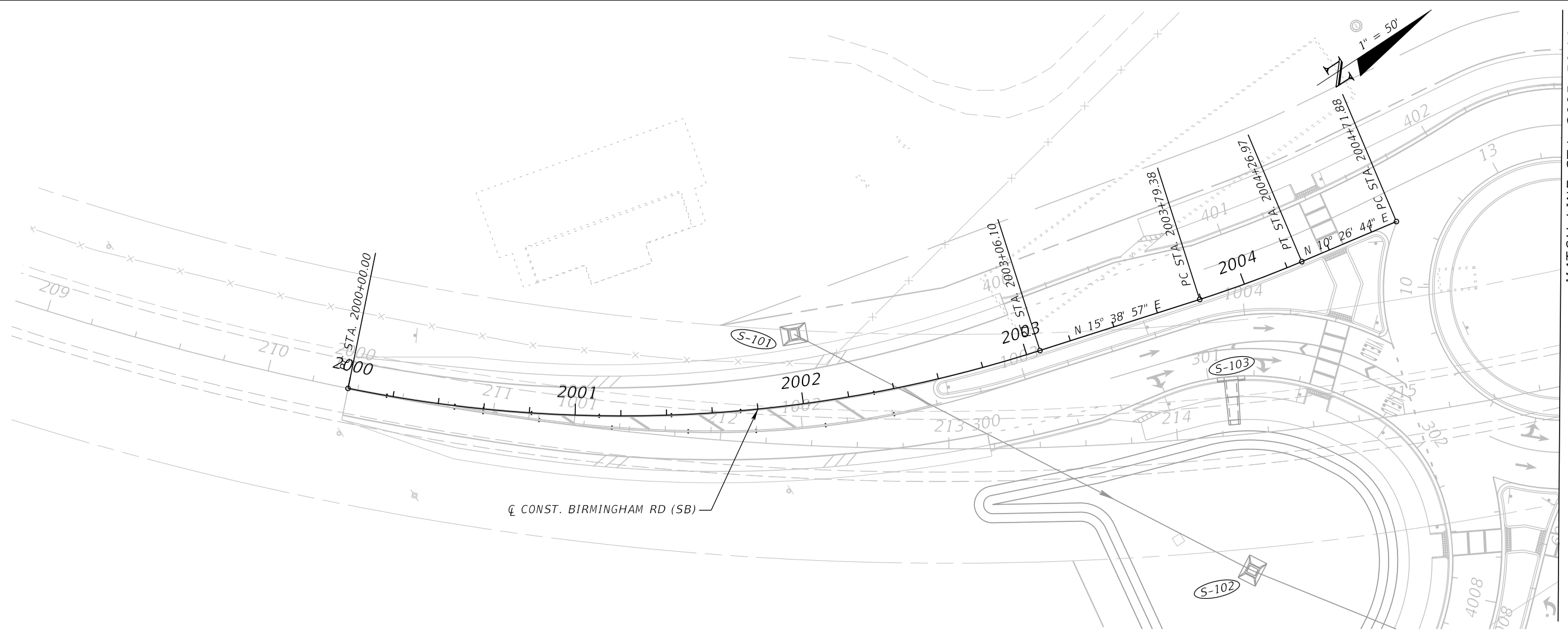


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**ROADWAY PROFILES (2)**  
**BUCKINGHAM RD (NB)**

SHEET  
 NO.  
 23

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

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

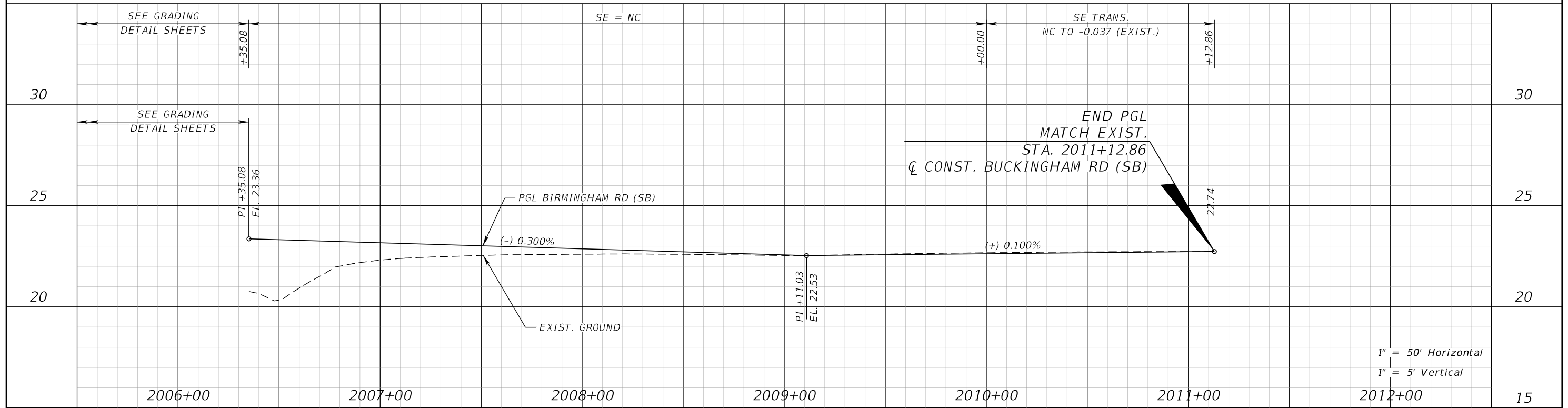
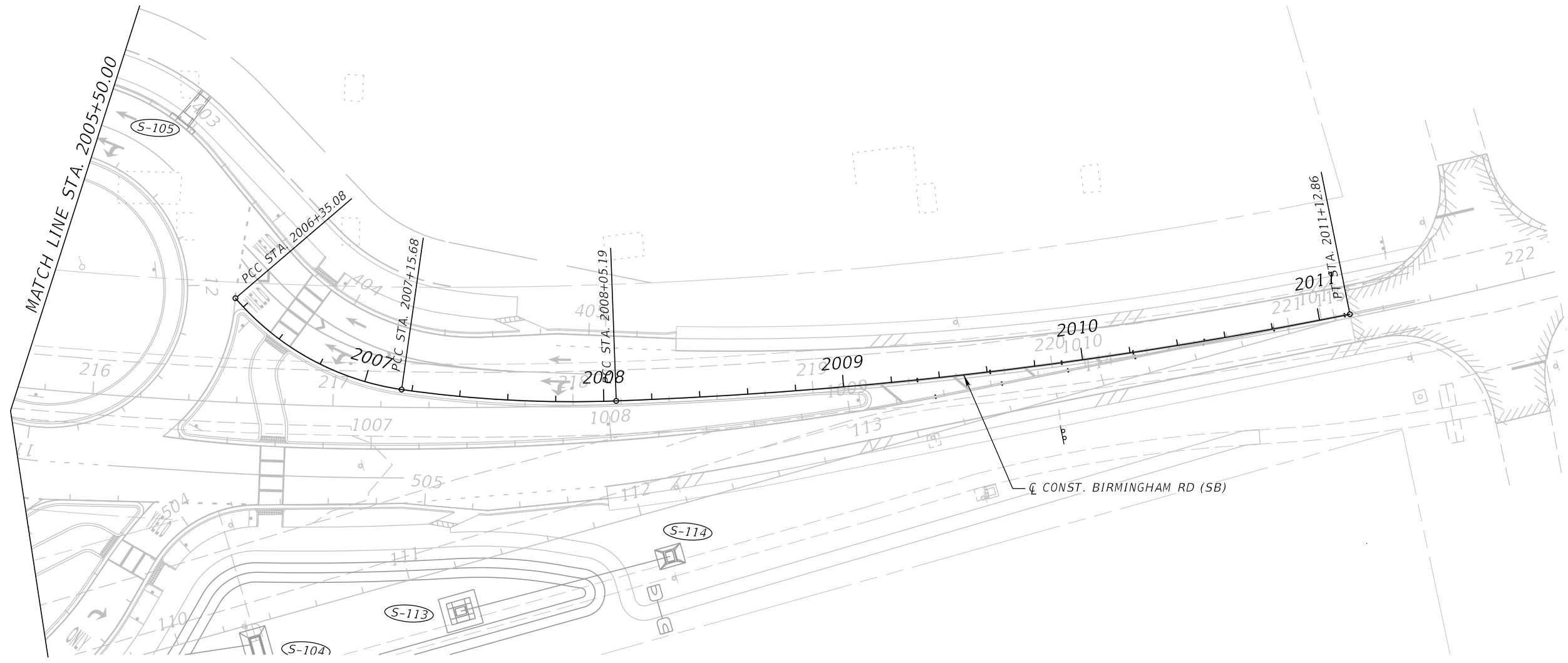
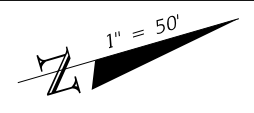


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**ROADWAY PROFILES (3)**  
**BUCKINGHAM RD (SB)**

SHEET NO.  
 24

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



1" = 50' Horizontal  
1" = 5' Vertical

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



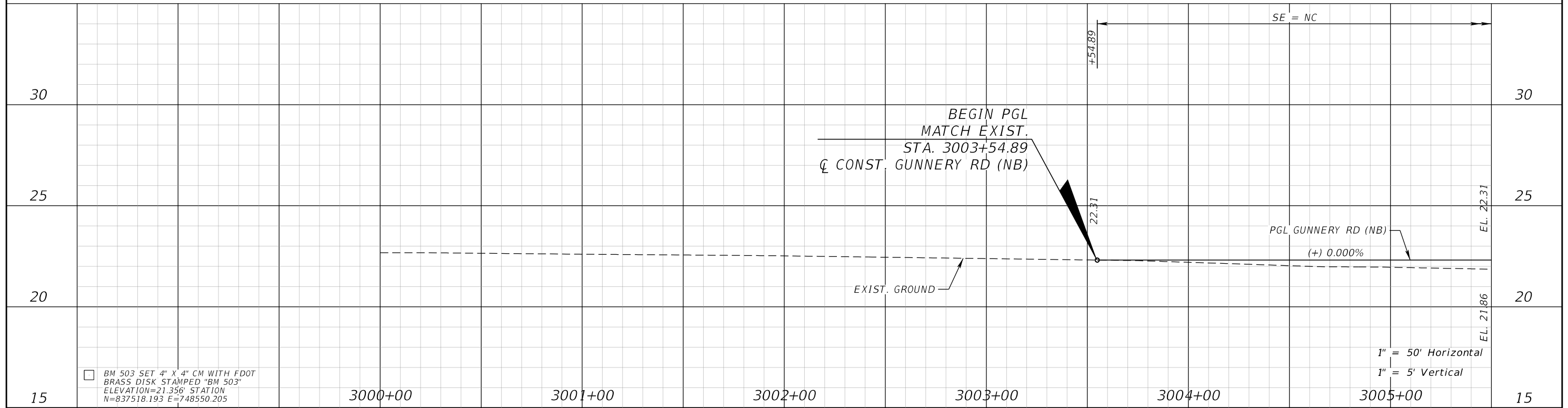
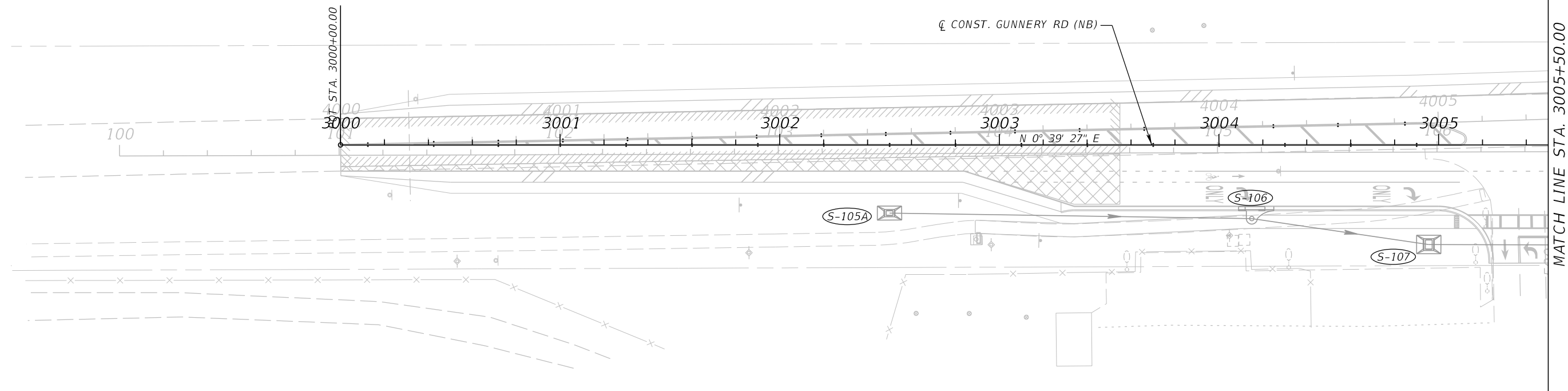
BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**ROADWAY PROFILES (4)**  
**BUCKINGHAM RD (SB)**

SHEET NO.  
25

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

1" = 50'



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

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



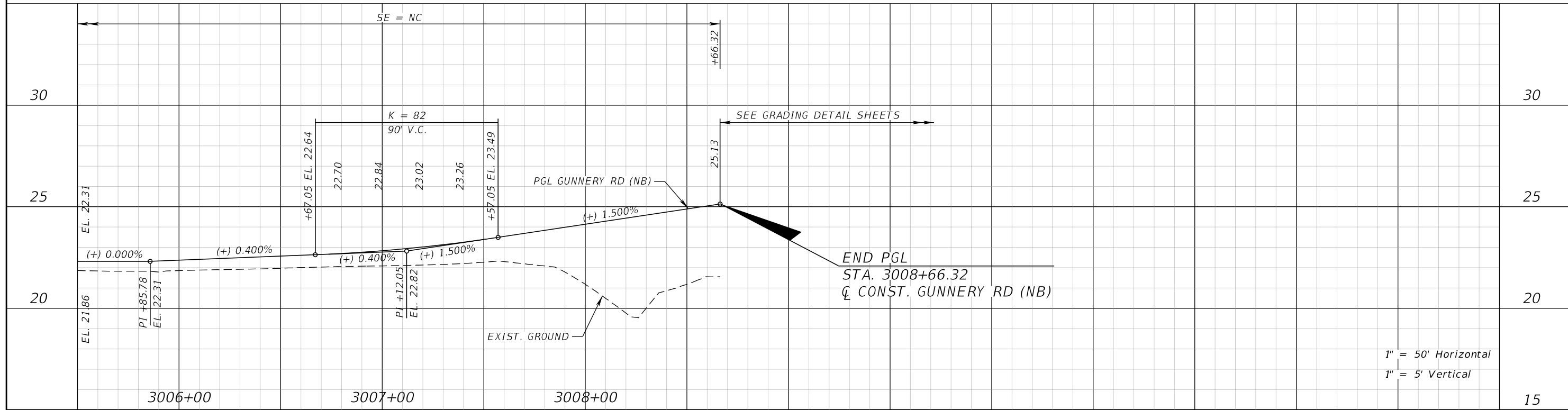
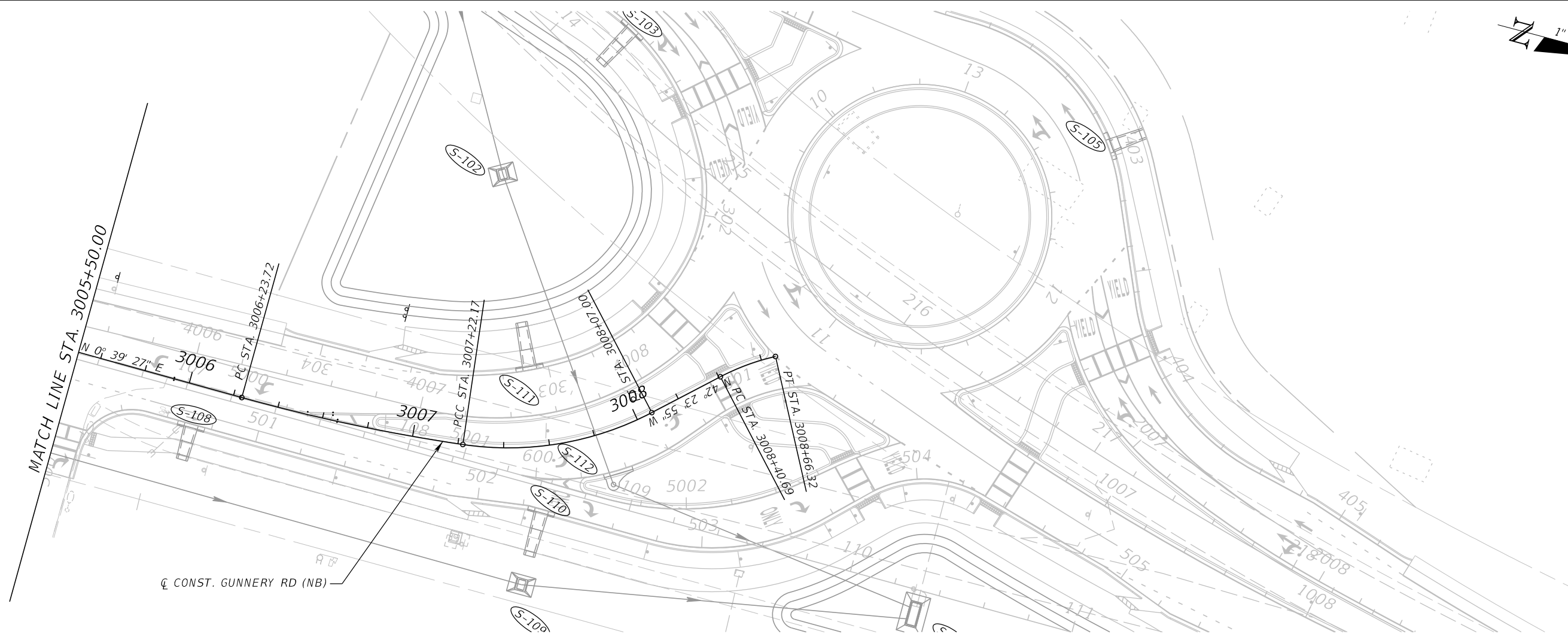
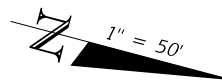
BUCKINGHAM RD & GUNTERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**ROADWAY PROFILES (5)**  
**GUNTERY RD (NB)**

SHEET NO.  
 26

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





1" = 50' Horizontal  
1" = 5' Vertical

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



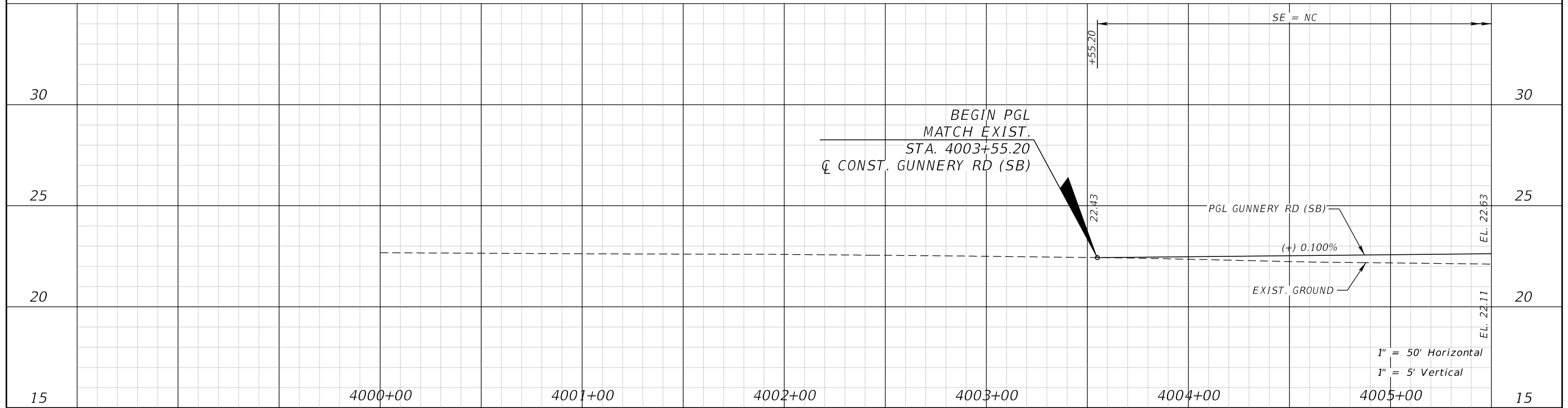
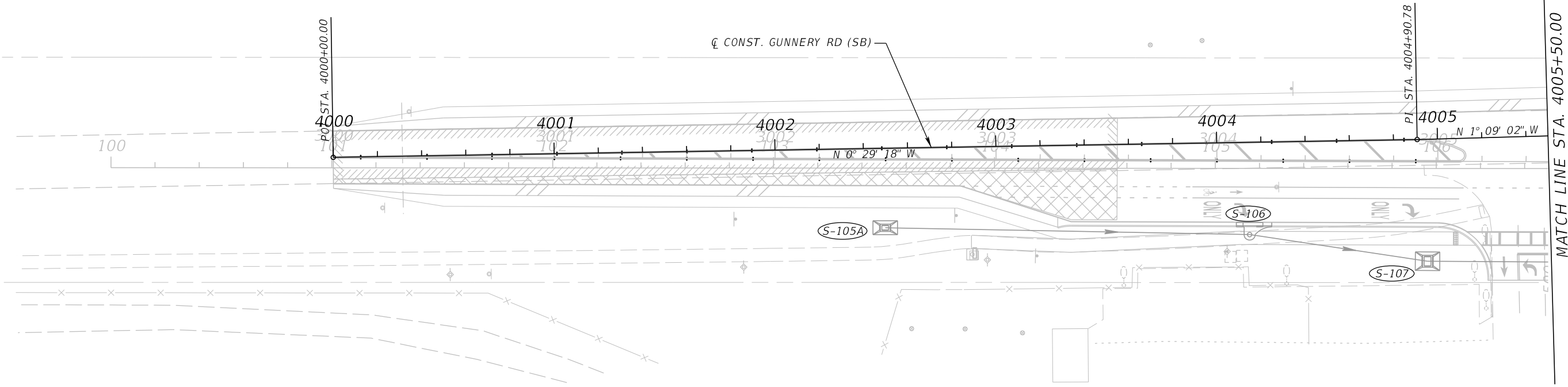
BUCKINGHAM RD & GUNTERY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**ROADWAY PROFILES (6)**  
**GUNTERY RD (NB)**

SHEET NO.  
27

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

1" = 50'



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



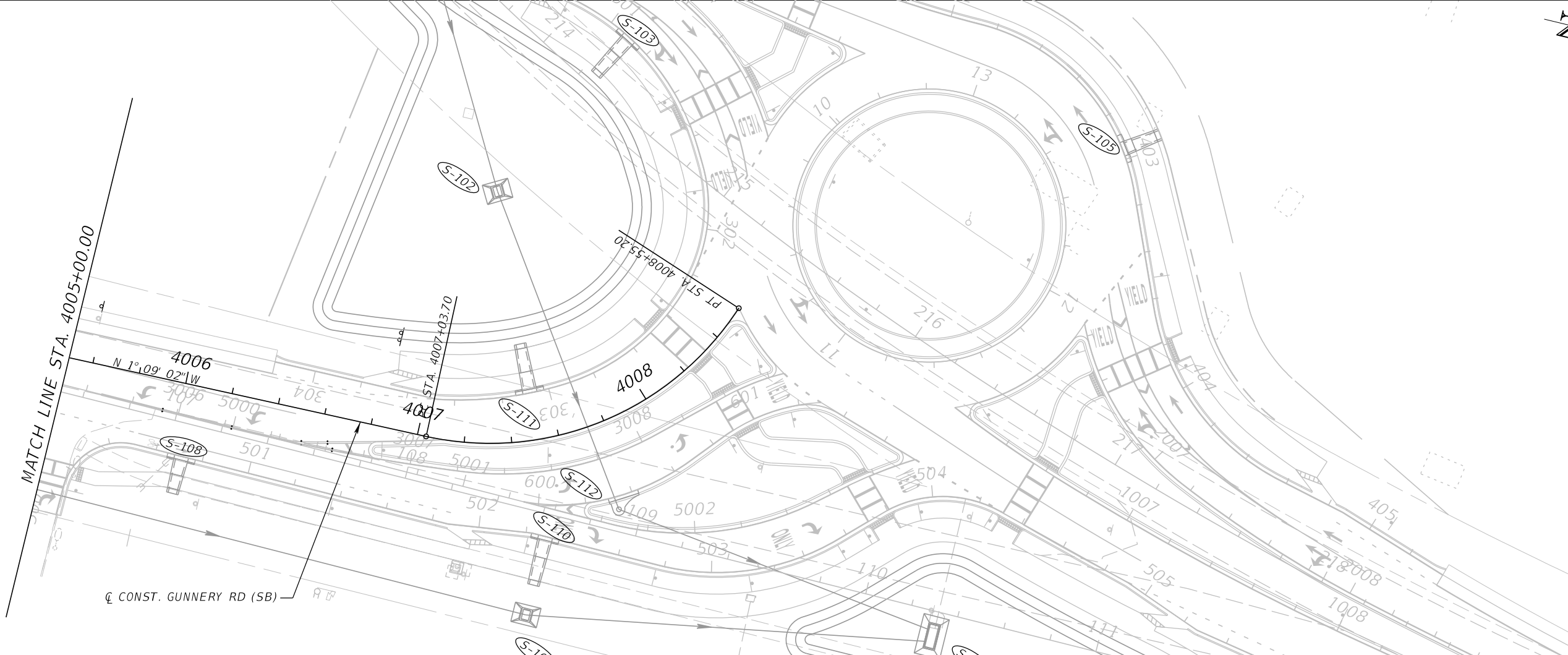
BUCKINGHAM RD & GUNTERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**ROADWAY PROFILES (7)**  
**GUNTERY RD (SB)**

SHEET NO.  
 28

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

1" = 50'



1" = 50' Horizontal  
1" = 5' Vertical

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

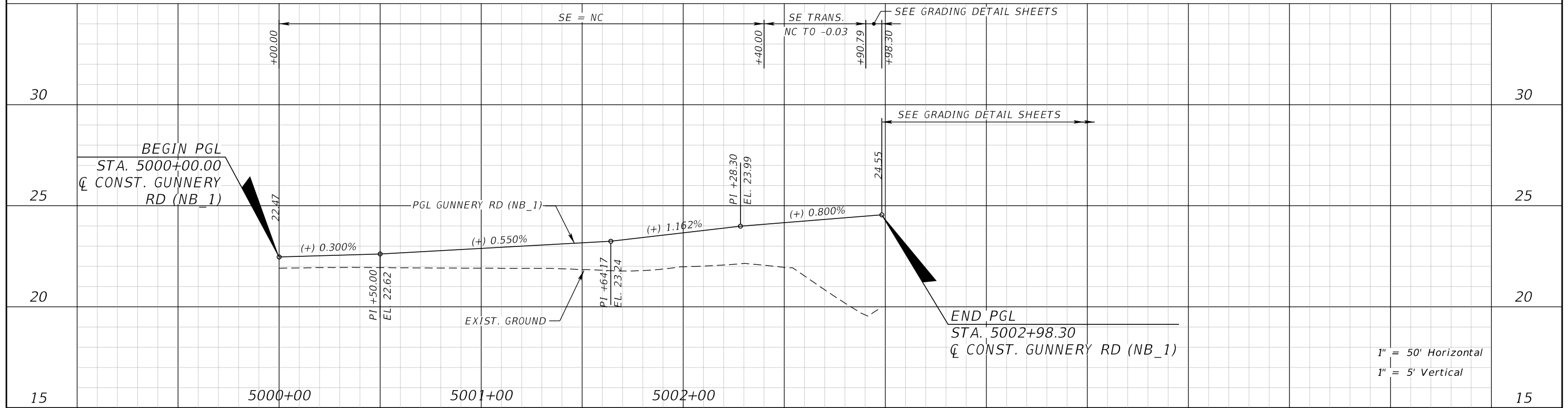
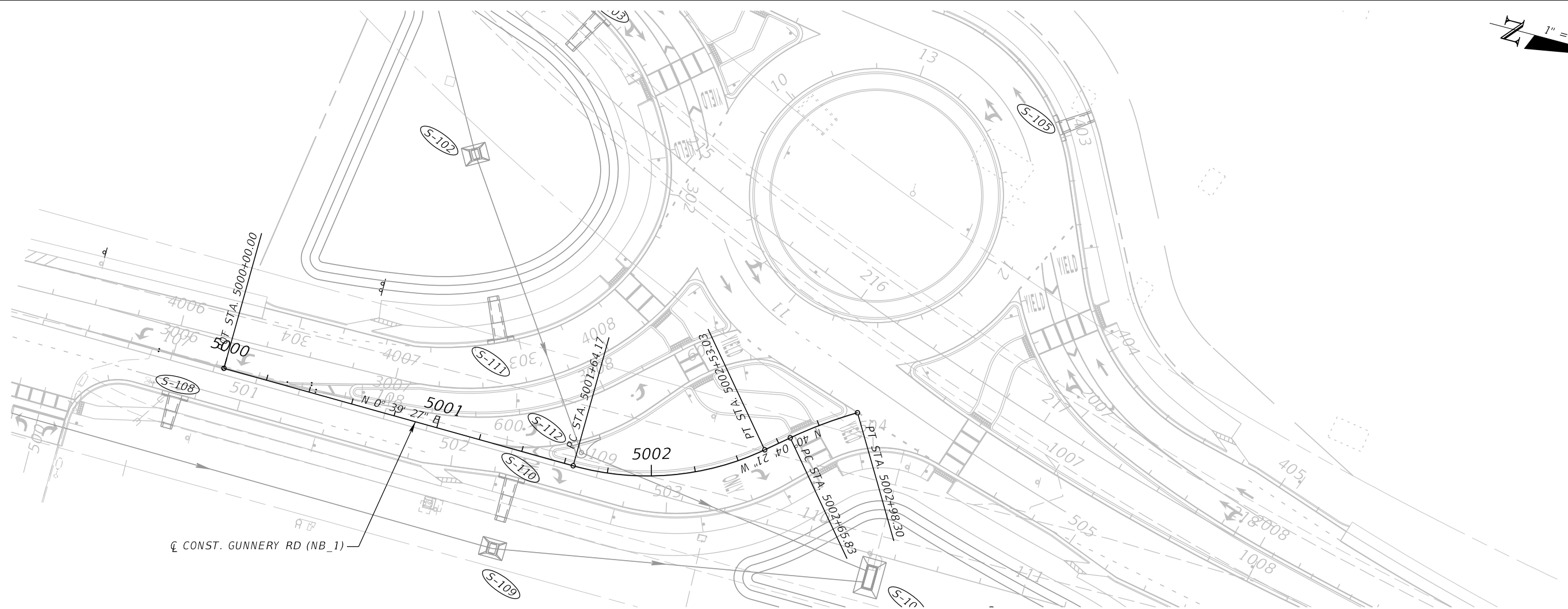


BUCKINGHAM RD & GUNNERLY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**ROADWAY PROFILES (8)**  
**GUNNERLY RD (SB)**

SHEET NO.  
29

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



1" = 50' Horizontal  
1" = 5' Vertical

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

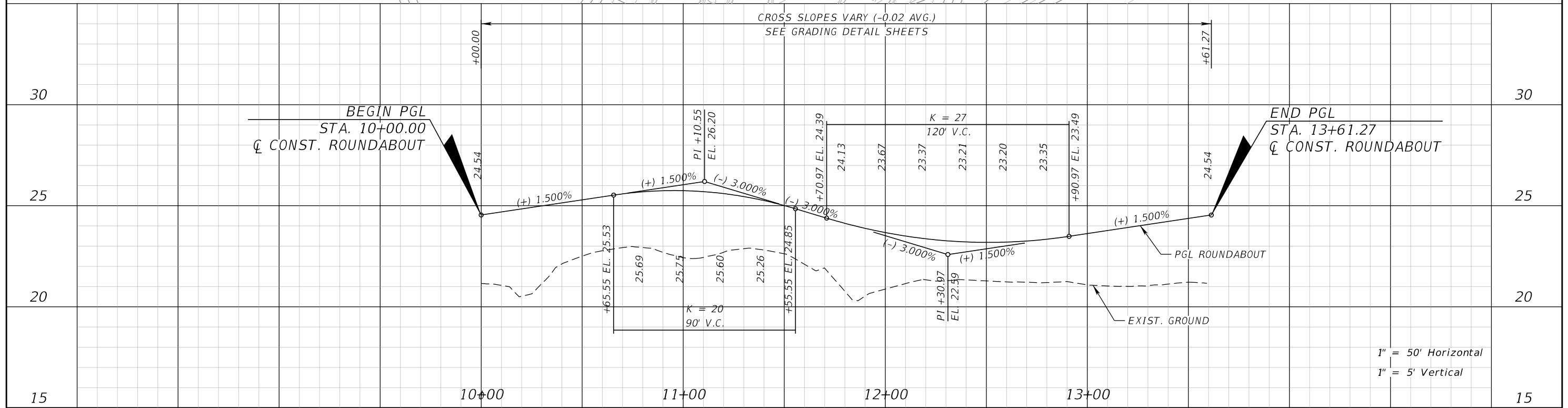
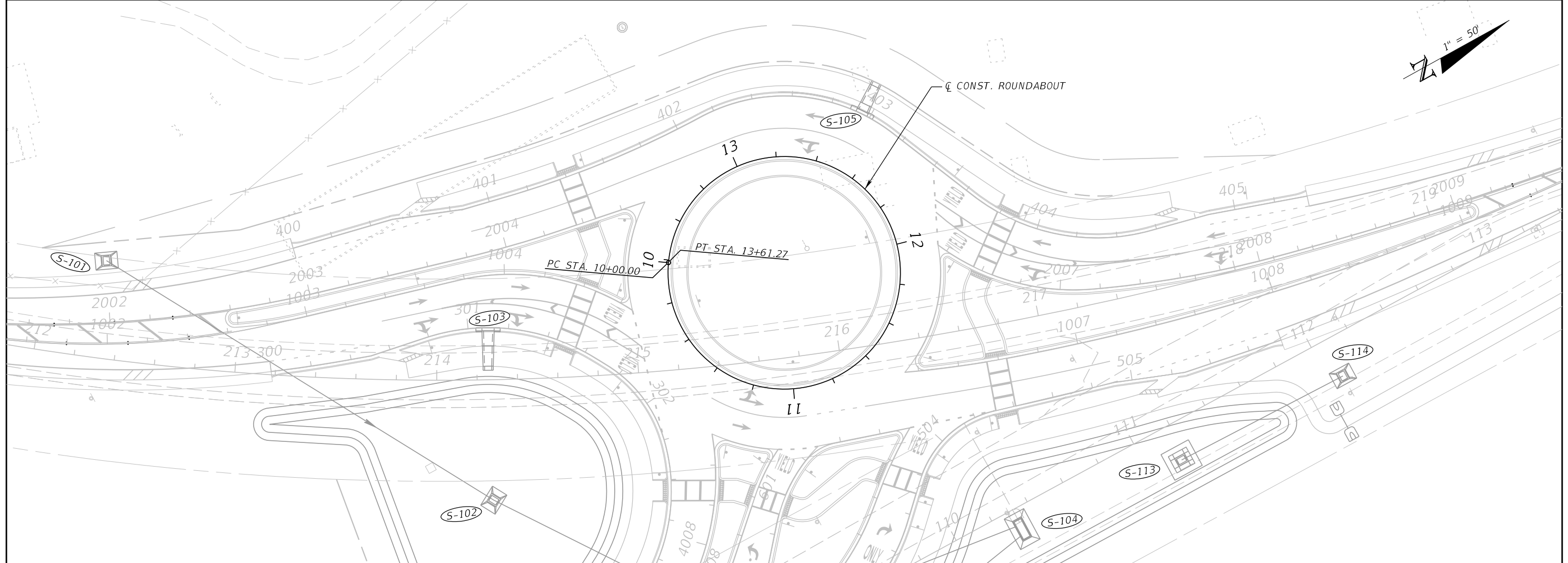
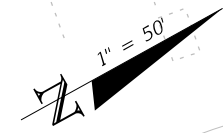


BUCKINGHAM RD & GUNNERY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**ROADWAY PROFILES (9)**  
**GUNNERY RD (NB\_1)**

SHEET NO.  
30

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



1" = 50' Horizontal  
1" = 5' Vertical

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

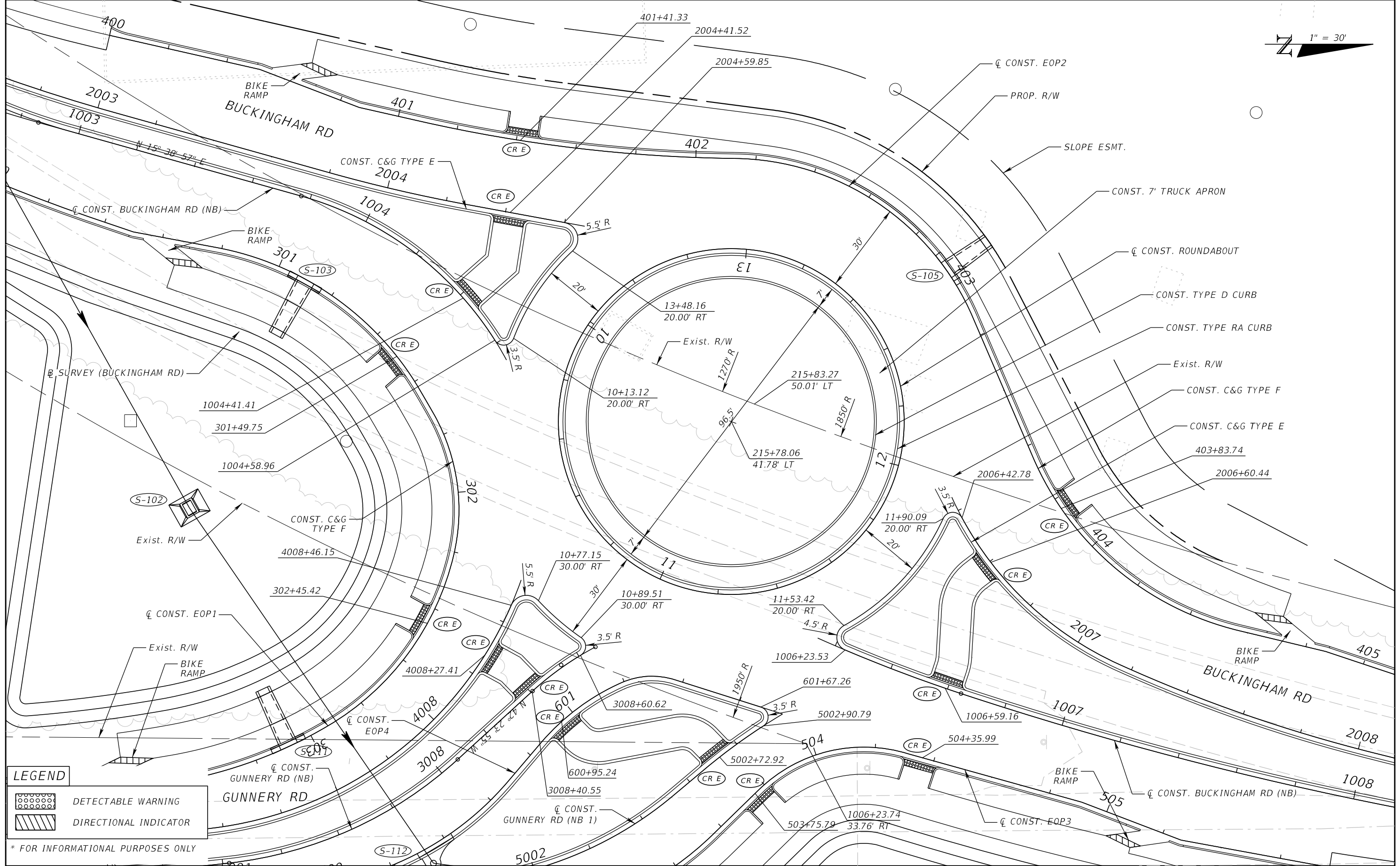
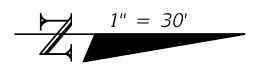


BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**ROADWAY PROFILES (10)**  
**ROUNDABOUT**

SHEET NO.  
31

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



**LEGEND**

	DETECTABLE WARNING
	DIRECTIONAL INDICATOR

\* FOR INFORMATIONAL PURPOSES ONLY

REVISIONS		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



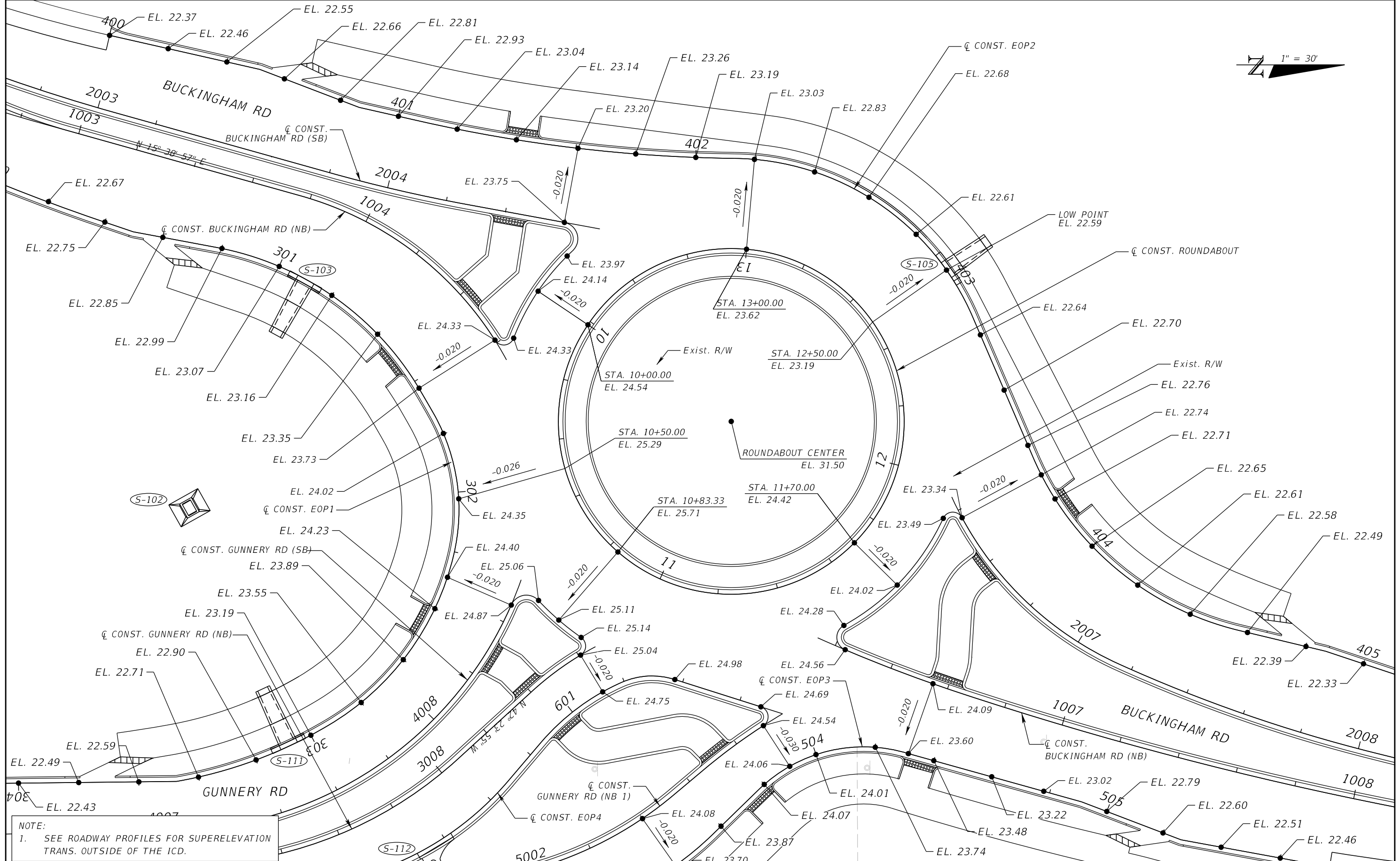
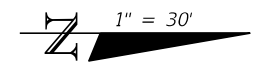
**BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT**

FINANCIAL PROJECT ID  
 442123-1-58-01

# INTERSECTION LAYOUT

SHEET NO.  
 32

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



NOTE:  
1. SEE ROADWAY PROFILES FOR SUPERELEVATION TRANS. OUTSIDE OF THE ICD.

REVISIONS		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



BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**INTERSECTION DETAIL**

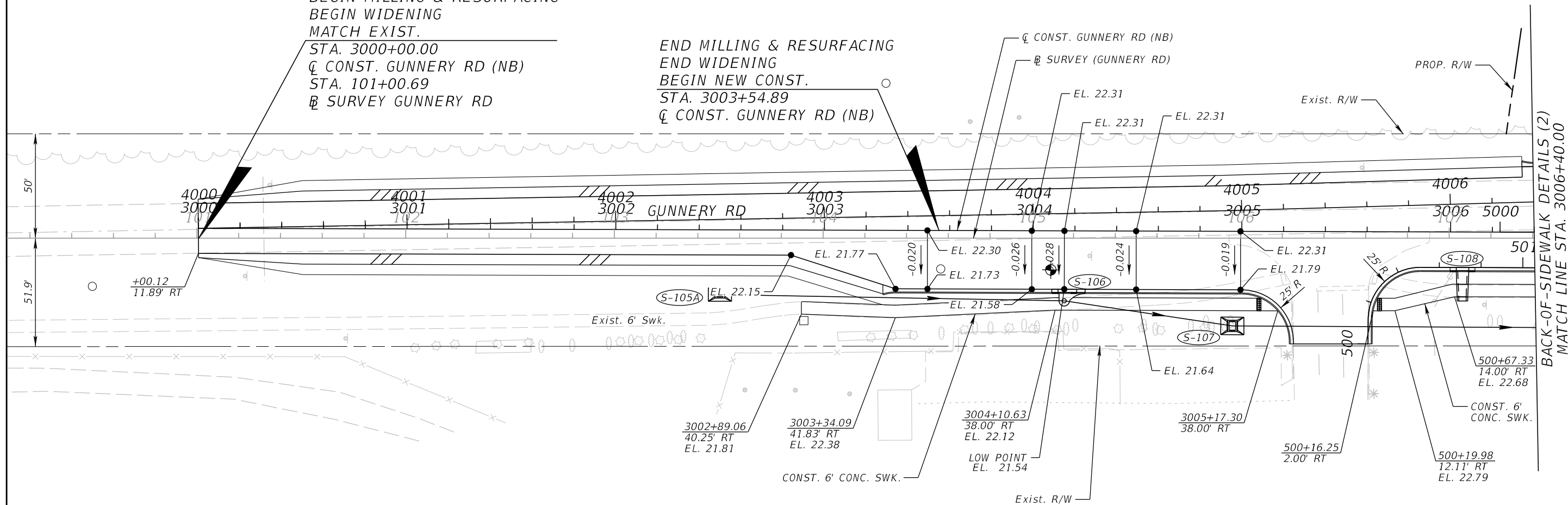
SHEET NO.  
33

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

BEGIN PROJECT  
 BEGIN MILLING & RESURFACING  
 BEGIN WIDENING  
 MATCH EXIST.

STA. 3000+00.00  
 C CONST. GUNNERY RD (NB)  
 STA. 101+00.69  
 B SURVEY GUNNERY RD

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



BACK-OF-SIDEWALK DETAILS (2)  
 MATCH LINE STA. 3006+40.00

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

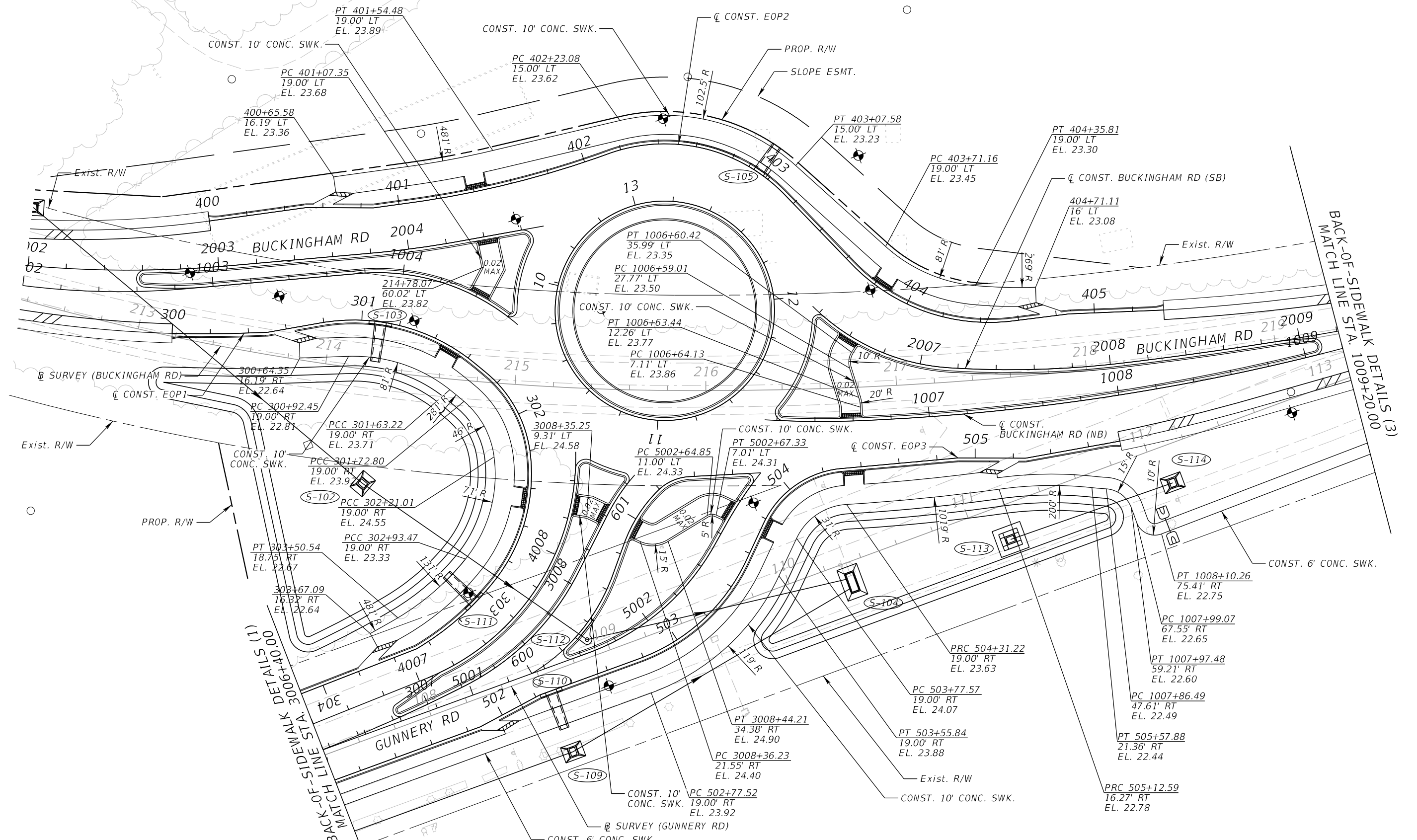
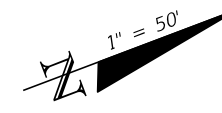


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

BACK-OF-SIDEWALK  
 DETAILS (1)

SHEET NO.  
 34





BACK-OF-SIDEWALK DETAILS (3)  
MATCH LINE STA. 1009+20.00

BACK-OF-SIDEWALK DETAILS (1)  
MATCH LINE STA. 3006+00.00

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

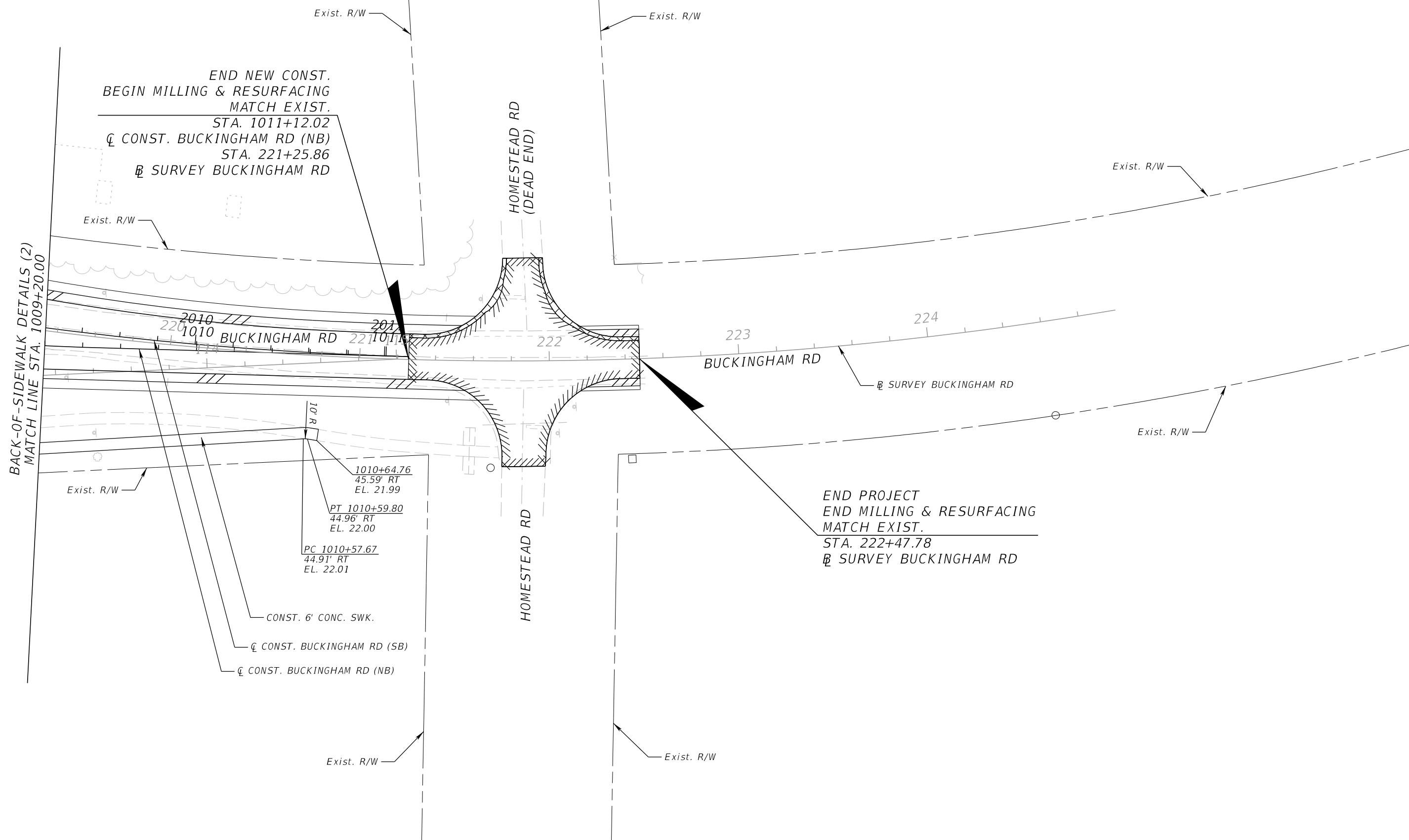


BUCKINGHAM RD & GUNNER RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**BACK-OF-SIDEWALK  
DETAILS (2)**

SHEET NO.  
35

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



BACK-OF-SIDEWALK DETAILS (2)  
MATCH LINE STA. 1009+20.00

END PROJECT  
END MILLING & RESURFACING  
MATCH EXIST.  
STA. 222+47.78  
SURVEY BUCKINGHAM RD

END NEW CONST.  
BEGIN MILLING & RESURFACING  
MATCH EXIST.  
STA. 1011+12.02  
CONST. BUCKINGHAM RD (NB)  
STA. 221+25.86  
SURVEY BUCKINGHAM RD

1010+64.76  
45.59' RT  
EL. 21.99  
PT 1010+59.80  
44.96' RT  
EL. 22.00  
PC 1010+57.67  
44.91' RT  
EL. 22.01

CONST. 6' CONC. SWK.  
CONST. BUCKINGHAM RD (SB)  
CONST. BUCKINGHAM RD (NB)

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

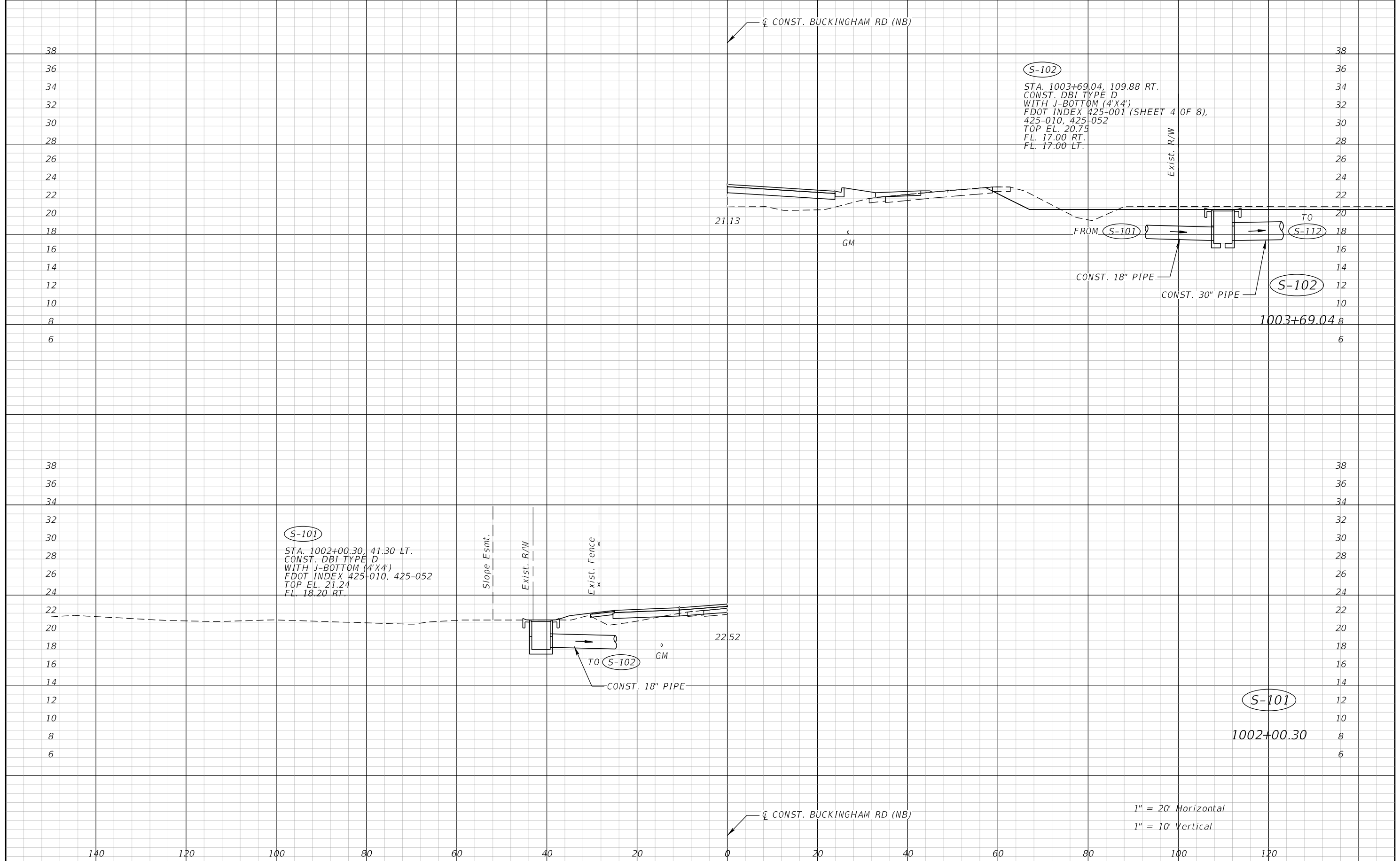


BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

BACK-OF-SIDEWALK  
DETAILS (3)

SHEET NO.  
36

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**S-101**  
 STA. 1002+00.30, 41.30 LT.  
 CONST. DBI TYPE D  
 WITH J-BOTTOM (4'X4')  
 FDOT INDEX 425-010, 425-052  
 TOP EL. 21.24  
 FL. 18.20 RT.

**S-102**  
 STA. 1003+69.04, 109.88 RT.  
 CONST. DBI TYPE D  
 WITH J-BOTTOM (4'X4')  
 FDOT INDEX 425-001 (SHEET 4 OF 8),  
 425-010, 425-052  
 TOP EL. 20.75  
 FL. 17.00 LT.

**S-101**  
 1002+00.30

**S-102**

FROM **S-101** TO **S-112**

CONST. 18" PIPE

CONST. 30" PIPE

21.13

22.52

1003+69.04

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

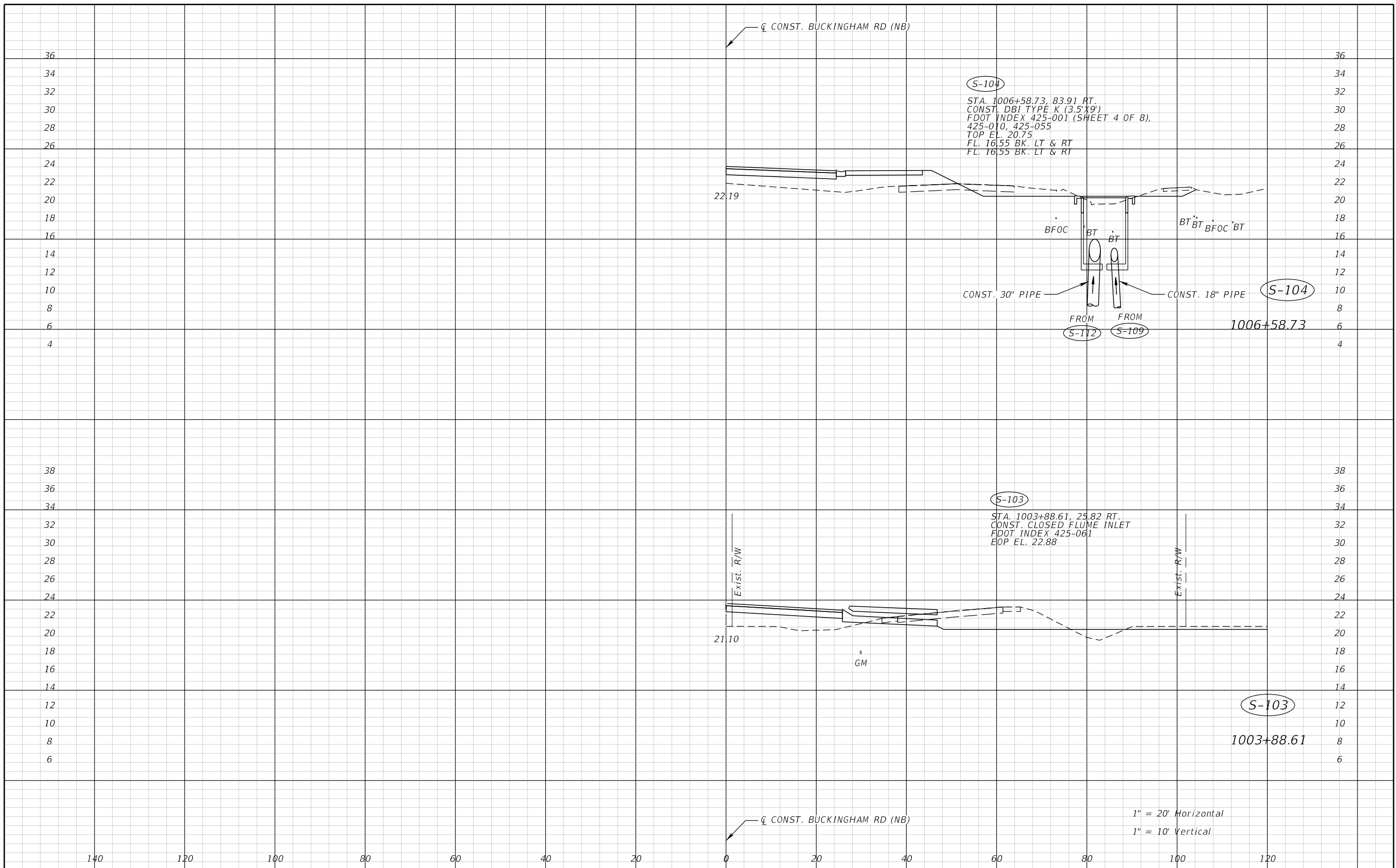


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**DRAINAGE STRUCTURES (1)**  
**BUCKINGHAM RD**

SHEET NO.  
 37

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

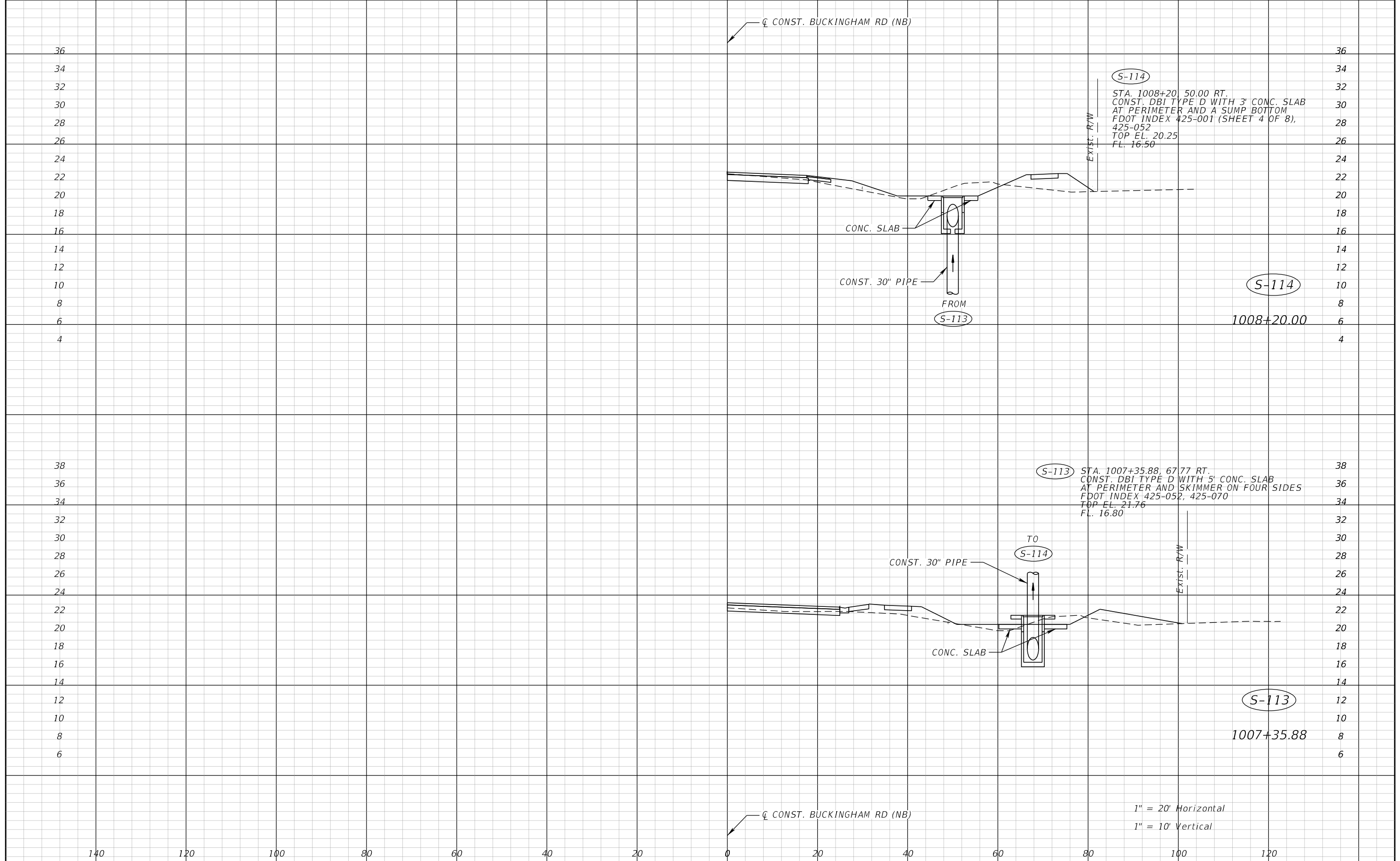


BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**DRAINAGE STRUCTURES (2)**  
**BUCKINGHAM RD**

SHEET NO.  
**38**

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

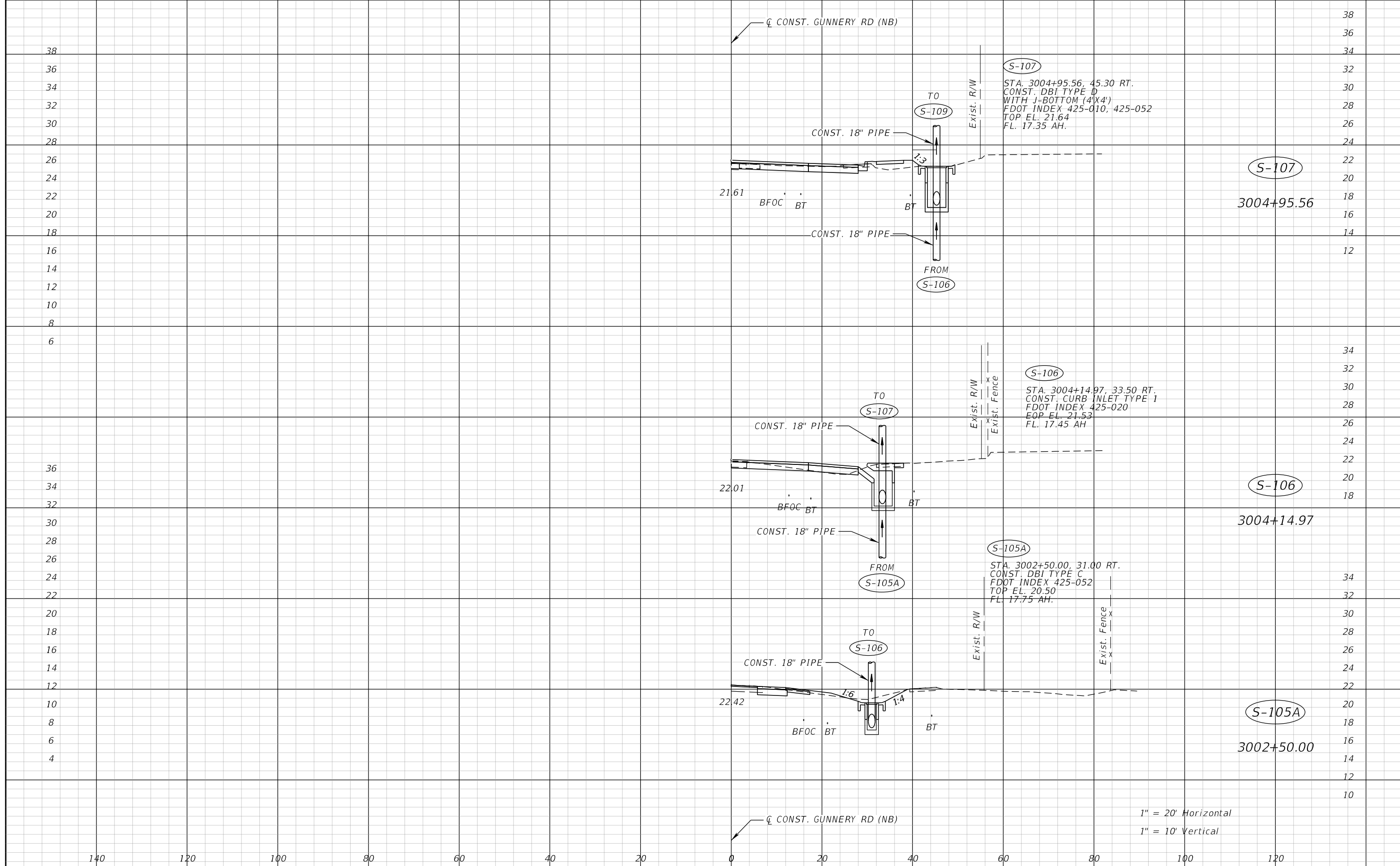


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**DRAINAGE STRUCTURES (3)**  
**BUCKINGHAM RD**

SHEET NO.  
 39

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

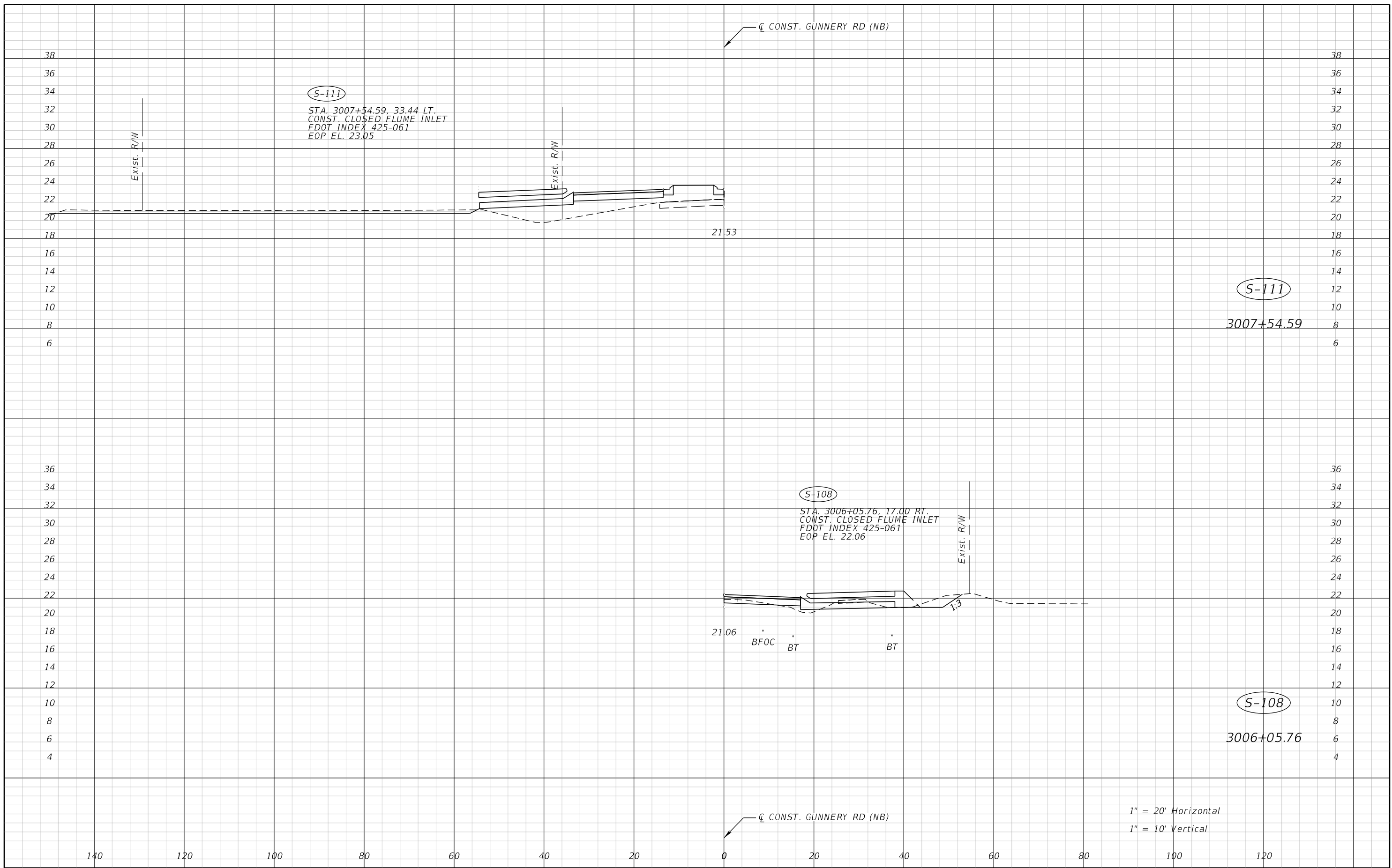


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**DRAINAGE STRUCTURES (4)**  
**GUNNERY RD**

SHEET NO.  
 40

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

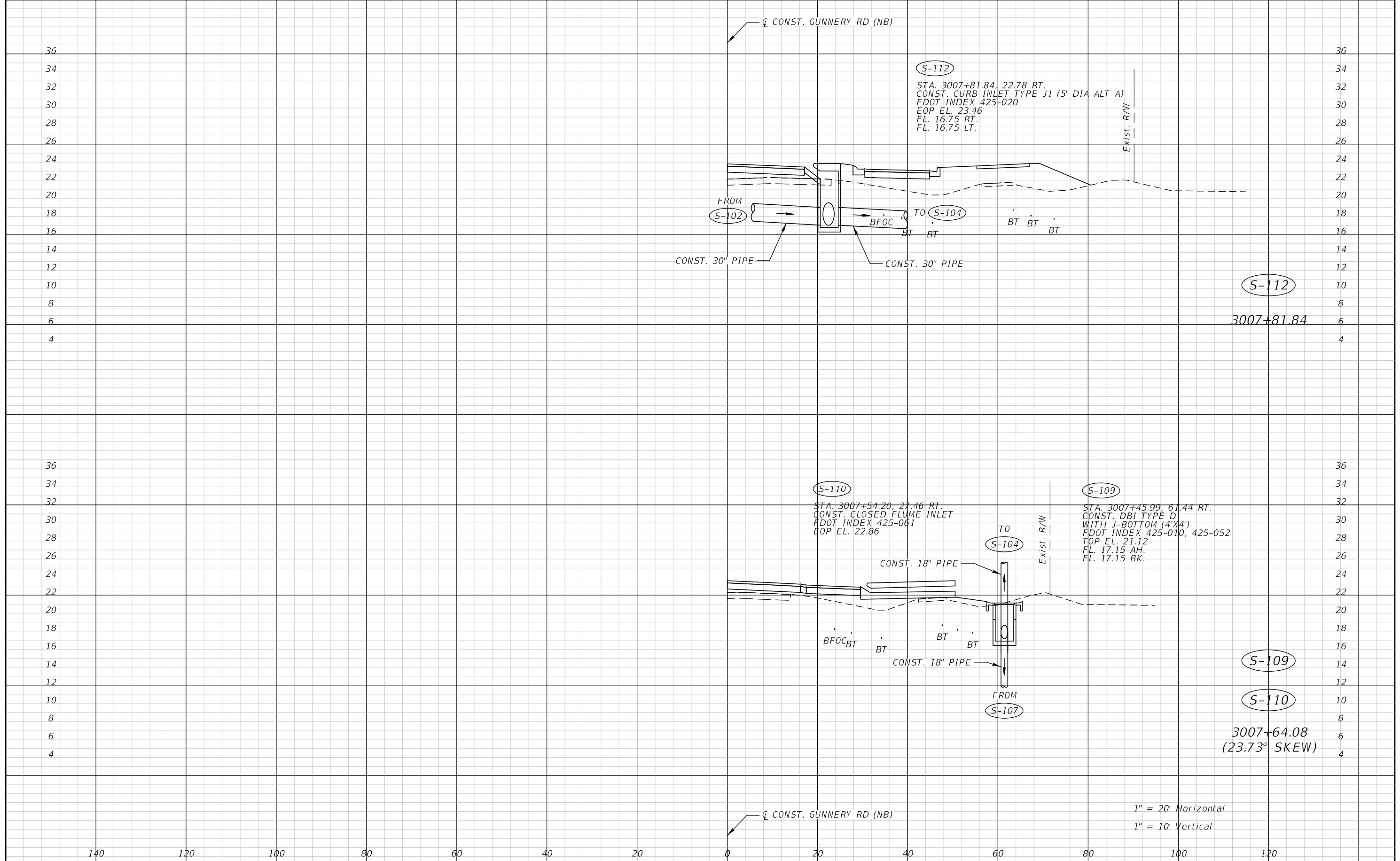


BUCKINGHAM RD & GUNNERY RD  
ROUNABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**DRAINAGE STRUCTURES (5)**  
**GUNNERY RD**

SHEET NO.  
41

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



140 120 100 80 60 40 20 0 20 40 60 80 100 120

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



BUCKINGHAM RD & GUNNERY RD  
ROUNABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

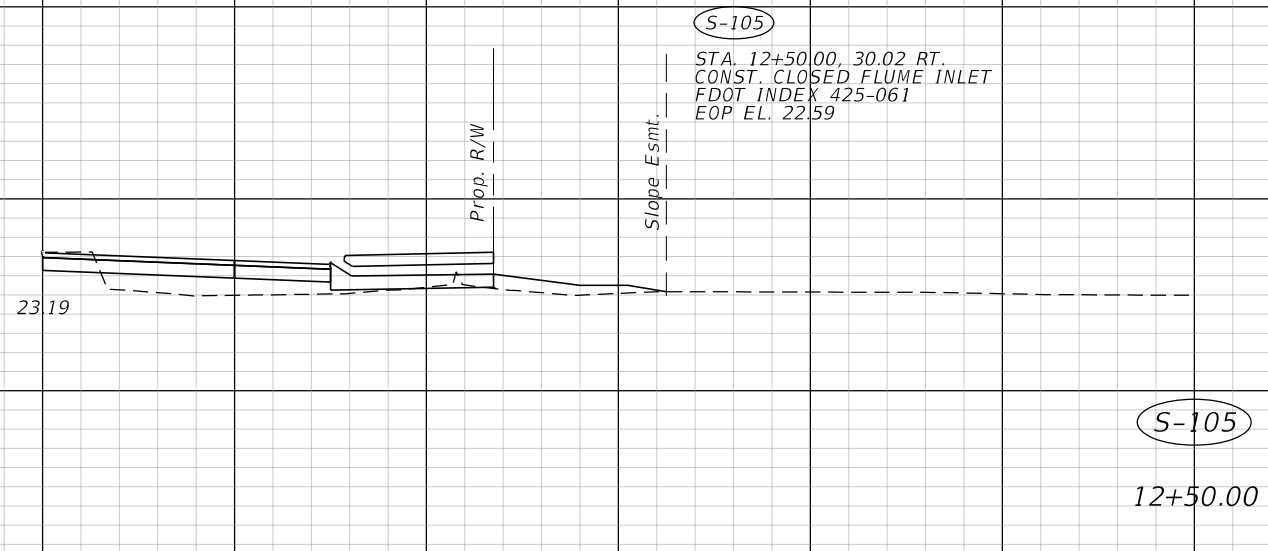
**DRAINAGE STRUCTURES (6)**  
**GUNNERY RD**

SHEET NO.  
42

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☒ CONST. ROUNDABOUT



**S-105**  
 STA. 12+50.00, 30.02 RT.  
 CONST. CLOSED FLUME INLET  
 FDOT INDEX 425-061  
 EOP EL. 22.59

**S-105**

12+50.00

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

☒ CONST. ROUNDABOUT

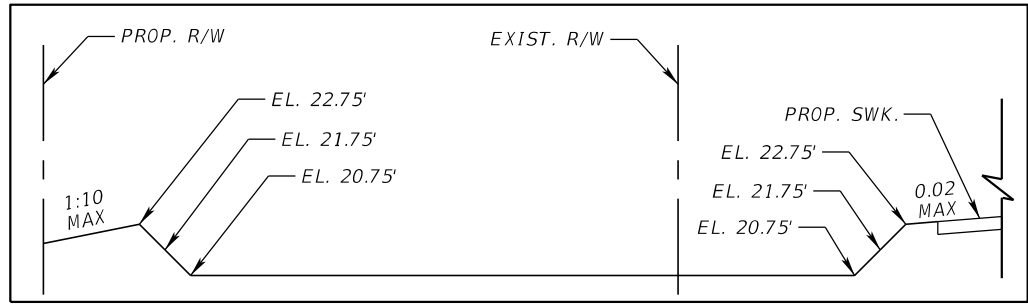
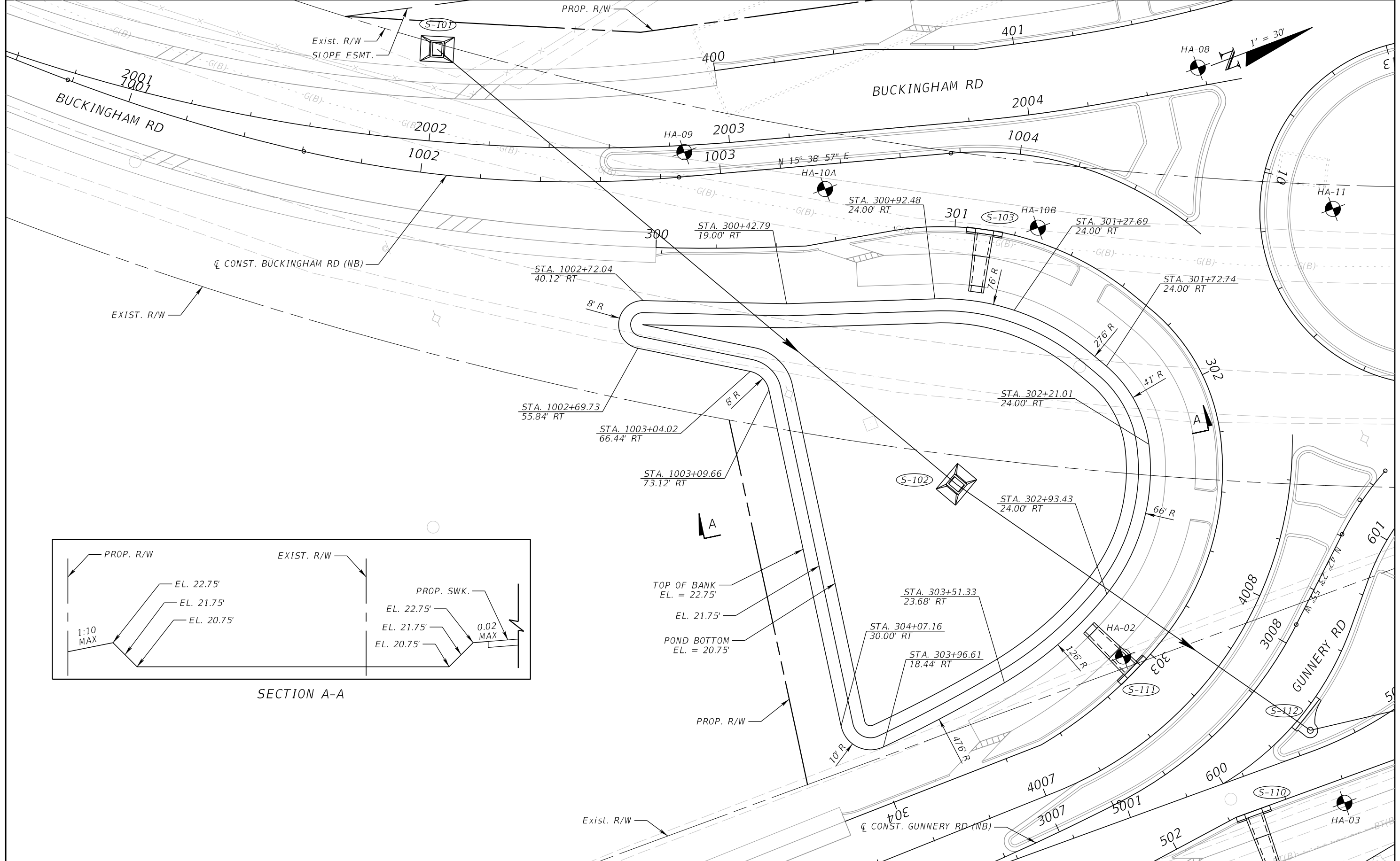
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24  
22  
20  
18  
16  
14  
12  
10  
8

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS				MATTHEW R. IVIE P.E. LICENSE NUMBER 86205 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<b>DRAINAGE STRUCTURES (7)</b> <b>ROUNDABOUT</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					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

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

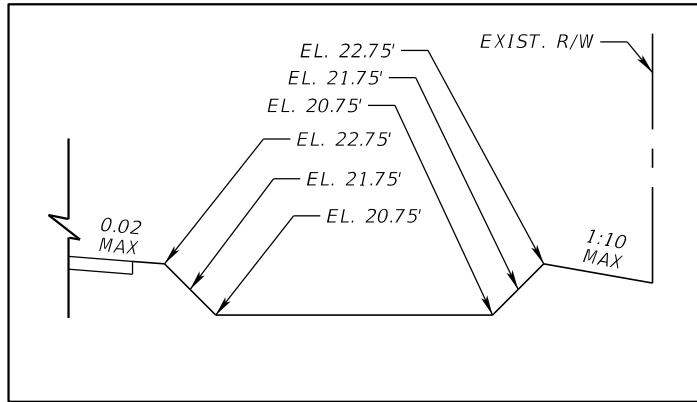
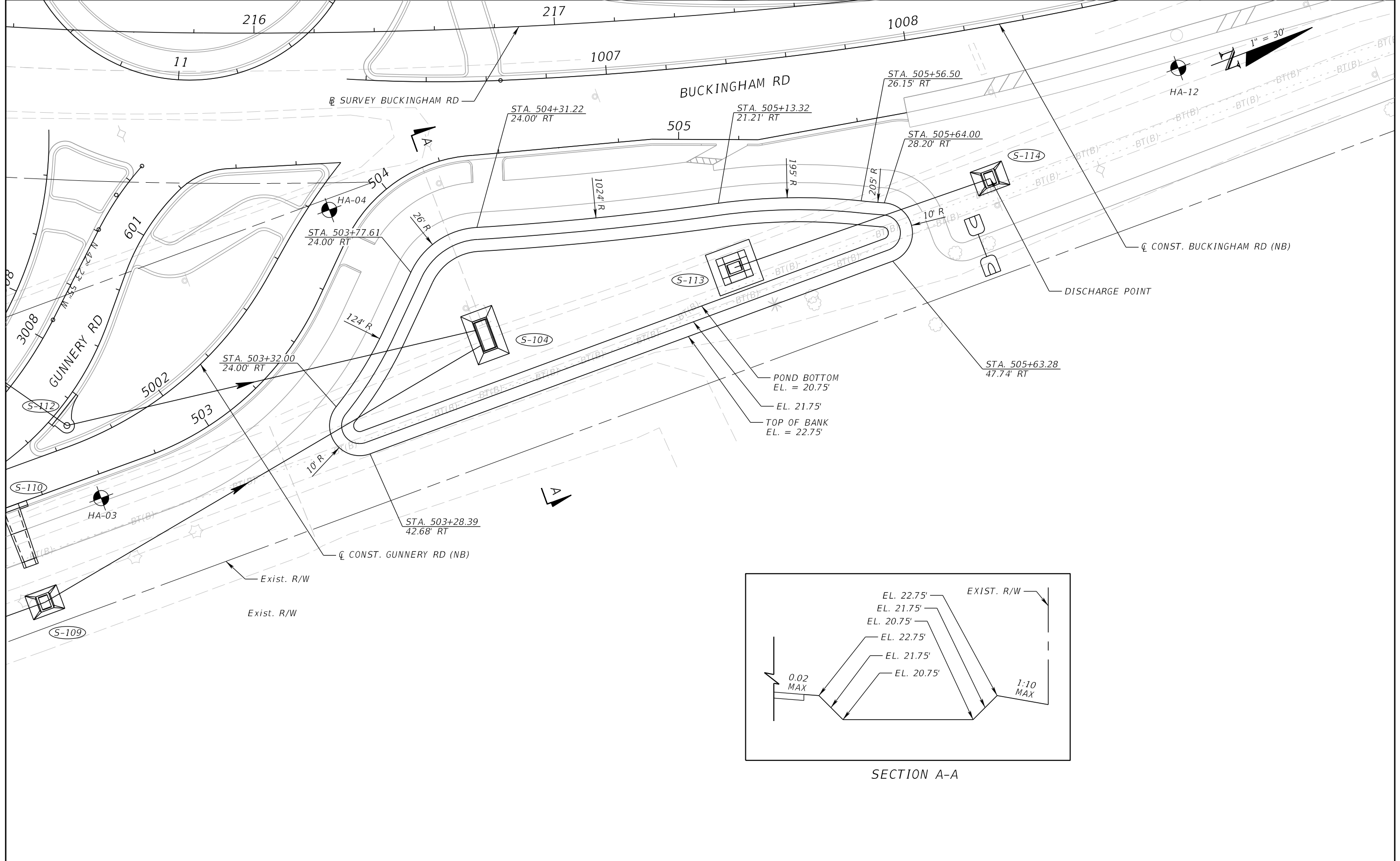


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**POND PLAN AND DETAILS**  
**POND A**

SHEET NO.  
 44

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

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

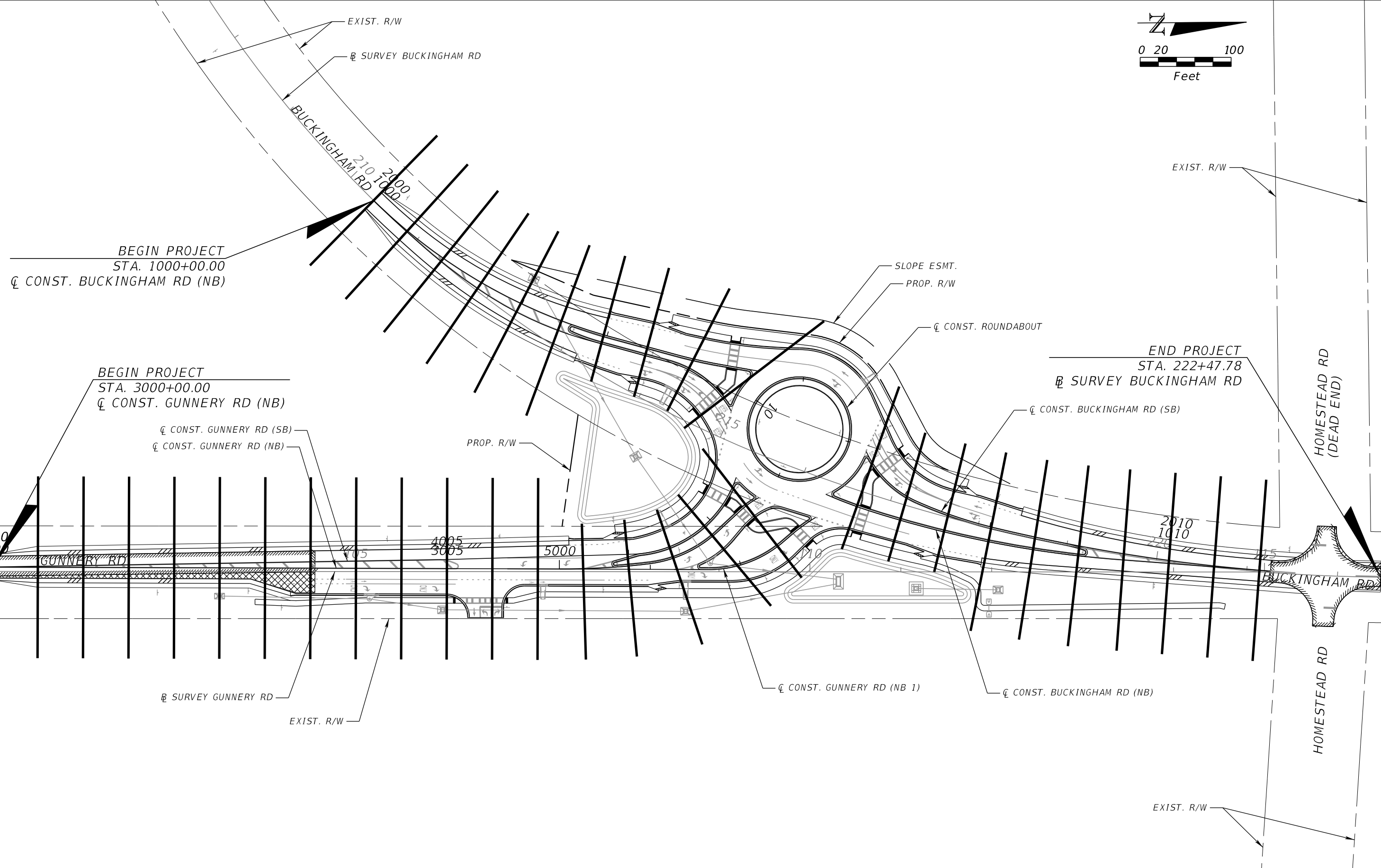
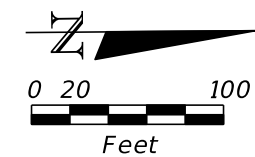


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**POND PLAN AND DETAILS**  
**POND B**

SHEET NO.  
 45

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



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



BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**CROSS SECTION PATTERN**

SHEET NO.  
 46

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

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
MATERIALS AND RESEARCH

FINANCIAL PROJECT ID: 442123-1-58-01

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

PROJECT NAME: GUNNERY ROAD AND BUCKINGHAM ROAD ROUNDABOUT  
CROSS SECTION OF SOIL SURVEY

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

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENTAGE PASSING					ATTERBERG LIMITS (%)			SOIL CLASSIFICATION	DESCRIPTION	CORROSION TEST RESULTS					
	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	NO. OF TESTS	RESISTIVITY ohms cm	CHLORIDE ppm	SULFATES ppm
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

- 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.
- 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 "\*".
- SOIL PARAMETER NOT TESTED DENOTED AS "--" ABOVE.
- REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING 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.
- STRATA NOS. 1 AND 2 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLAN INDICES 120-002 AND 120-001.
- STRATUM NO. 2 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
- 'NP' DENOTES NON-PLASTIC.
- "BDL" DENOTES BELOW DETECTION LEVEL.
- 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.

REVISIONS				IVAN F. SOKOLIC, P.E. P.E. LICENSE NUMBER 64114 ARDAMAN AND ASSOCIATES, INC. 9970 BAVARIA ROAD FORT MYERS, FL 33913		BUCKINGHAM RD AT GUNNERY RD INTERSECTION IMPROVEMENTS (ROUNDABOUT) FINANCIAL PROJECT ID 442123-1-58-01	ROADWAY SOIL SURVEY	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					47

40  
38  
36  
34  
32  
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28  
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18  
16  
14  
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10

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16  
14  
12  
10

100

80

60

40

20

0

20

40

60

80

Q CONST. BUCKINGHAM RD (NB)

Q CONST. BUCKINGHAM RD (NB)

Exist. R/W

Exist. Fence

Exist. R/W

Exist. R/W

Exist. Fence

Exist. R/W

1:6  
-0.06  
-0.05  
EL 22.74  
EL 22.84  
0.05  
0.02  
1:6

1:6  
-0.06  
-0.055  
EL 22.79  
0.047  
-0.023  
1:6

EL 19.70  
1:3  
2'

EL 19.65  
1:3  
2'

GM

GM

1000+50.00

1000+00.00

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

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

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



BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

CROSS SECTIONS (1)  
BUCKINGHAM RD

SHEET NO.  
48

42  
40  
38  
36  
34  
32  
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28  
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12

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32  
30  
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24  
22  
20  
18  
16  
14  
12

100

80

60

40

20

0

20

40

60

80

Q CONST. BUCKINGHAM RD (NB)

Exist. R/W

Exist. Fence

Exist. R/W

-0.06 -0.02

EL. 22.64

EL. 22.94

22.88

0.02 -0.05

1:6

EL. 19.80

2'

1.3'

GM

1001+50.00

11

26

27

62

Exist. R/W

Exist. Fence

Exist. R/W

-0.06 -0.04

EL. 22.69

EL. 22.89

22.88

0.04 -0.03

1:6

EL. 19.75

2'

1.3'

GM

1001+00.00

17

33

38

69

Q CONST. BUCKINGHAM RD (NB)

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

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

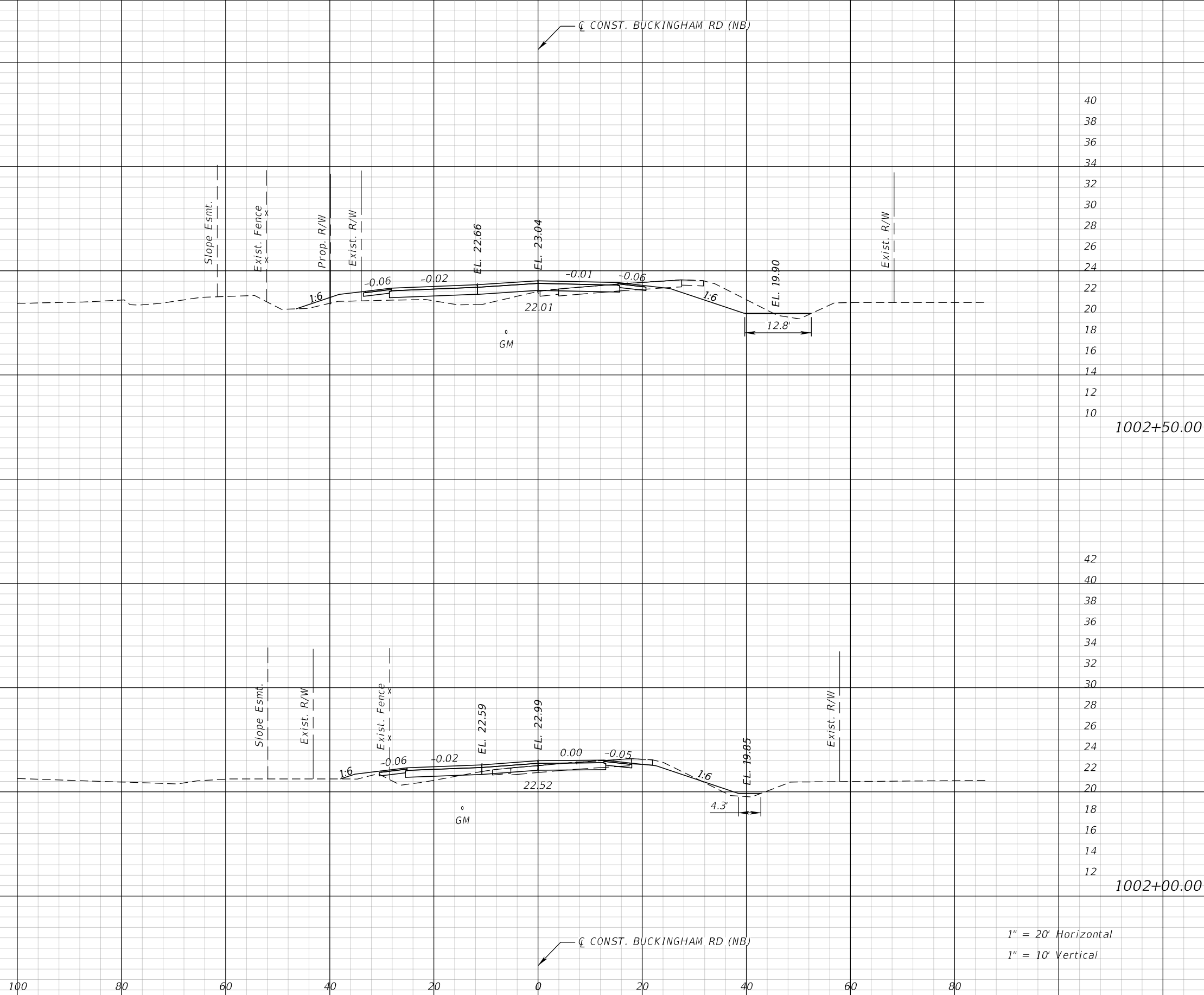


BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

CROSS SECTIONS (2)  
BUCKINGHAM RD

SHEET NO.  
49

40  
38  
36  
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30  
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12  
10  
  
42  
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32  
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26  
24  
22  
20  
18  
16  
14  
12



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

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

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



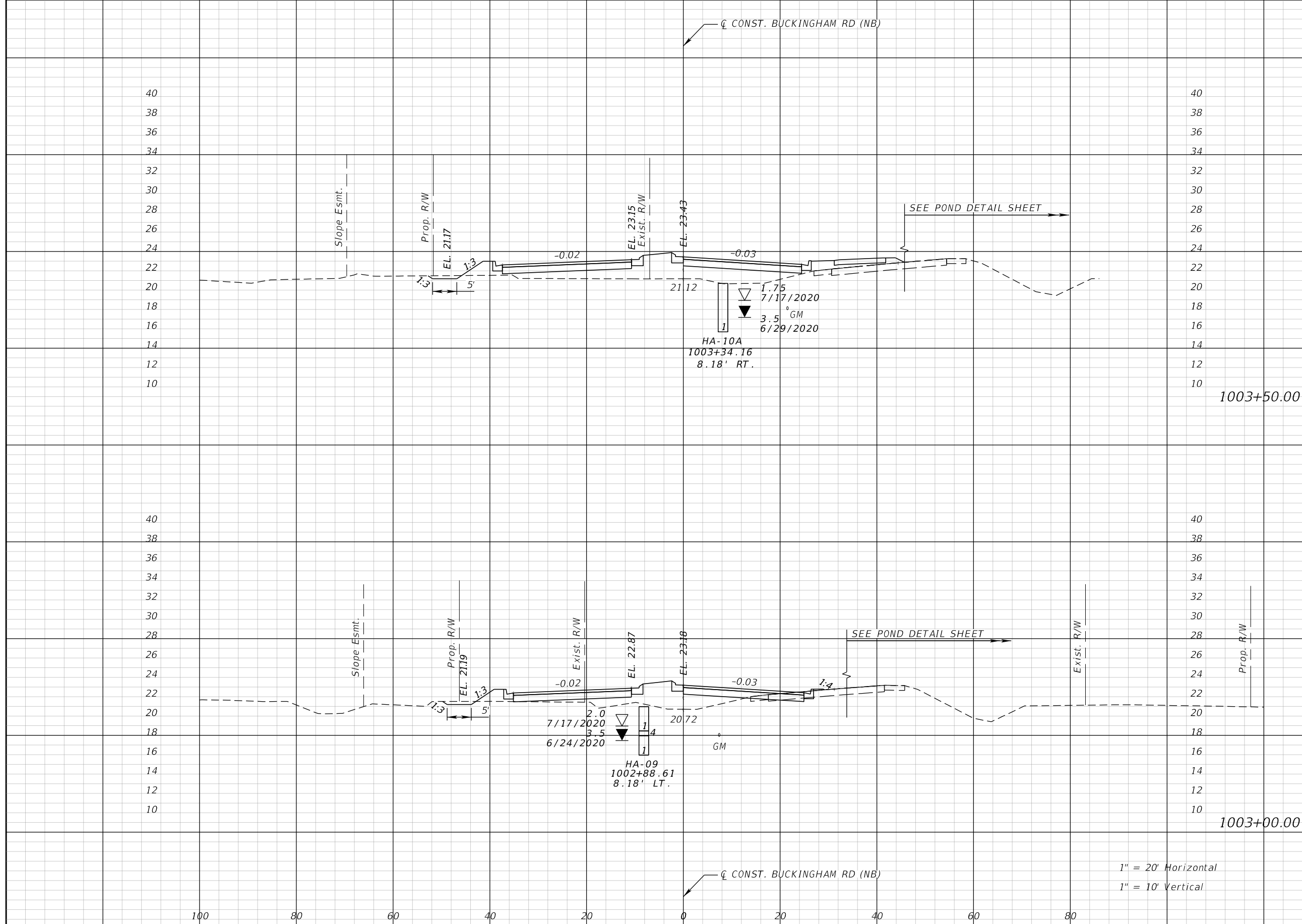
BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (3)**  
**BUCKINGHAM RD**

SHEET NO.  
50

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





Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1003+50.00	2	5	100	140		
1003+00.00	3	26	52	77		

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

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

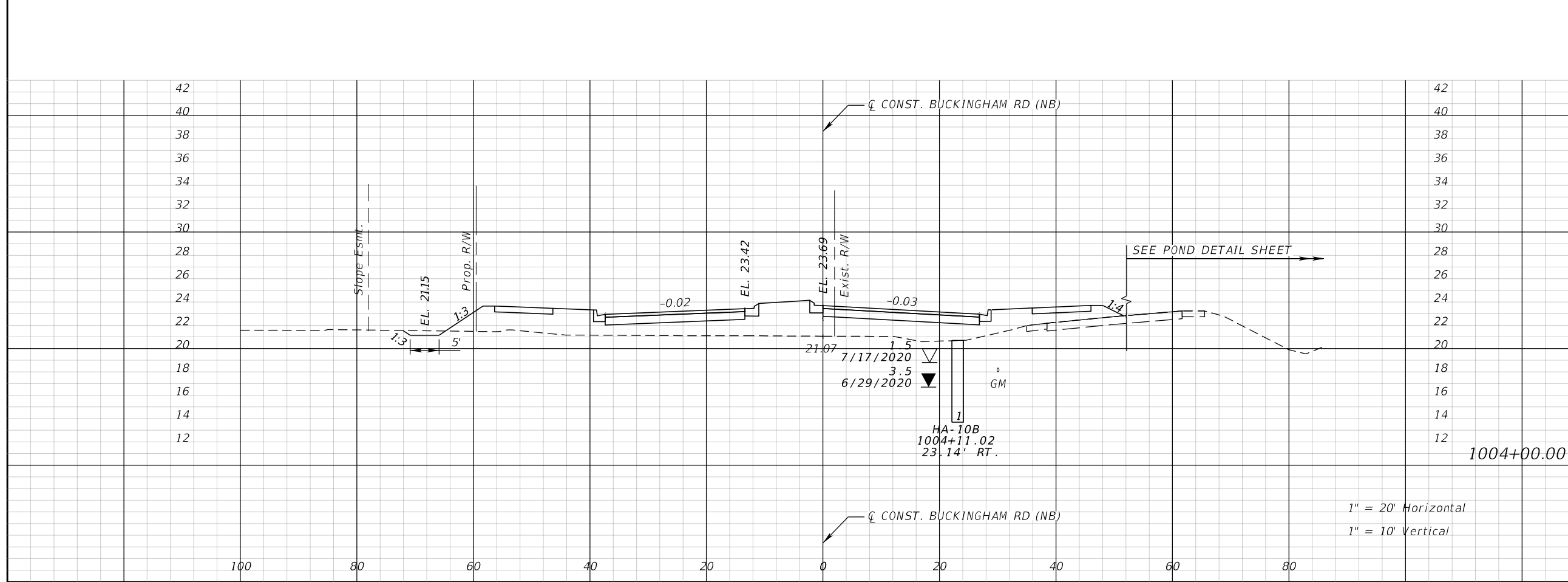
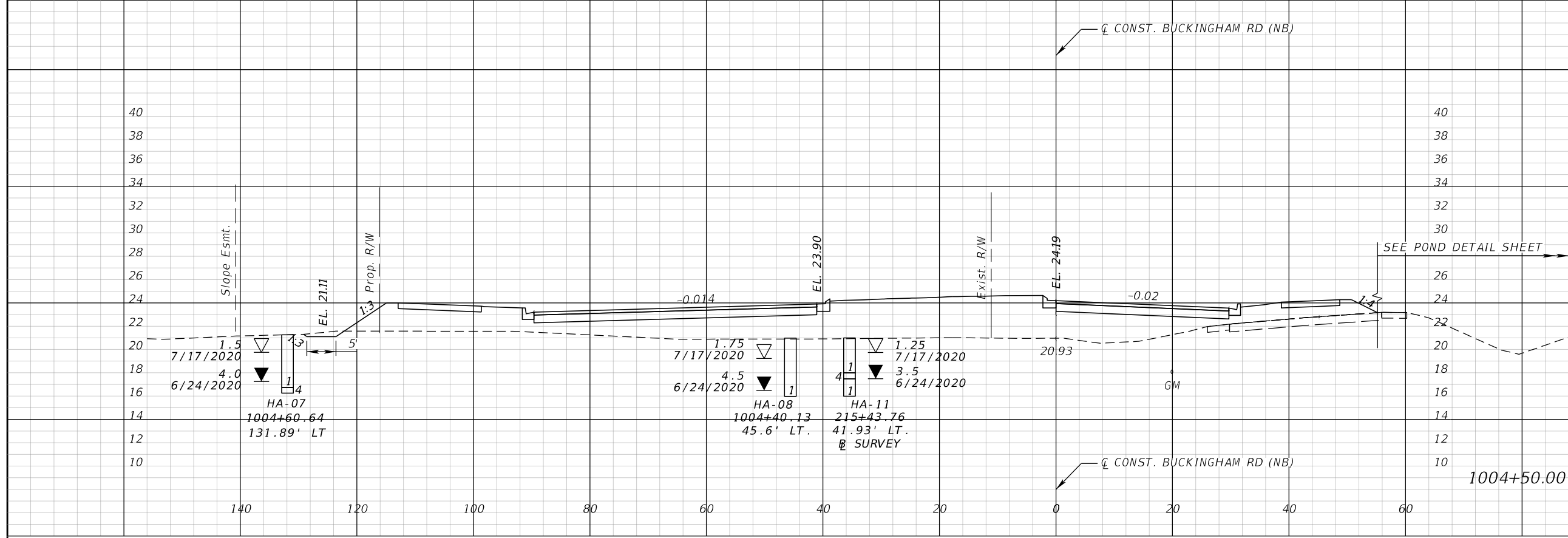


BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

CROSS SECTIONS (4)  
BUCKINGHAM RD

SHEET NO.  
51

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

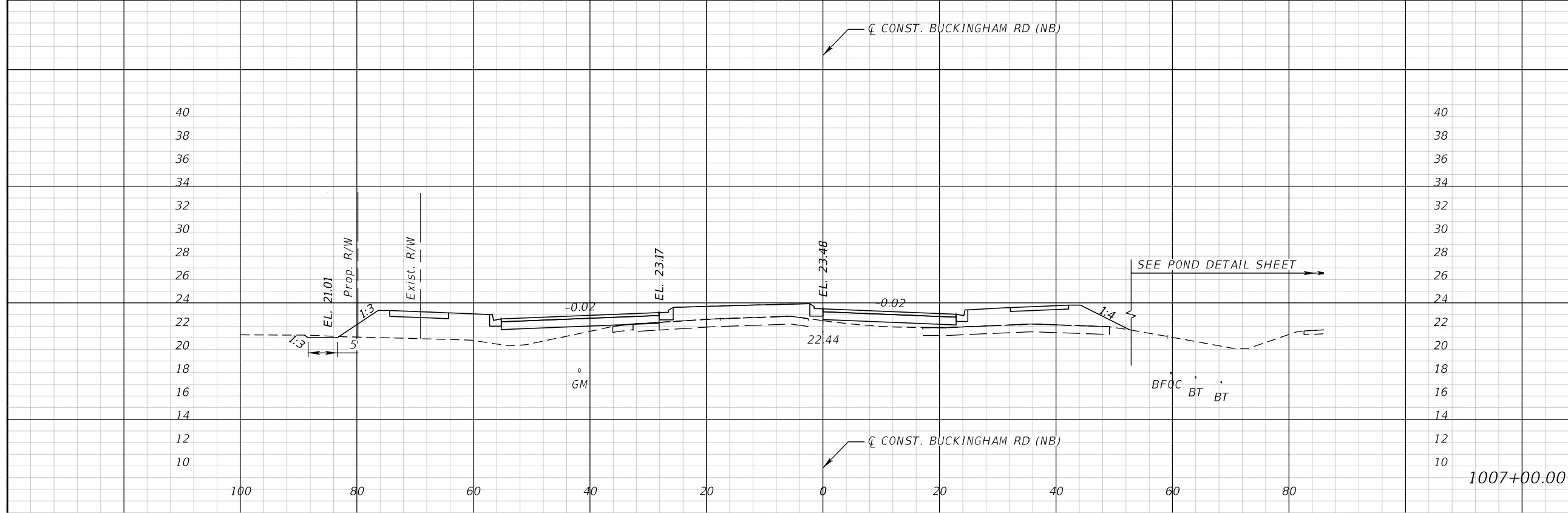


BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

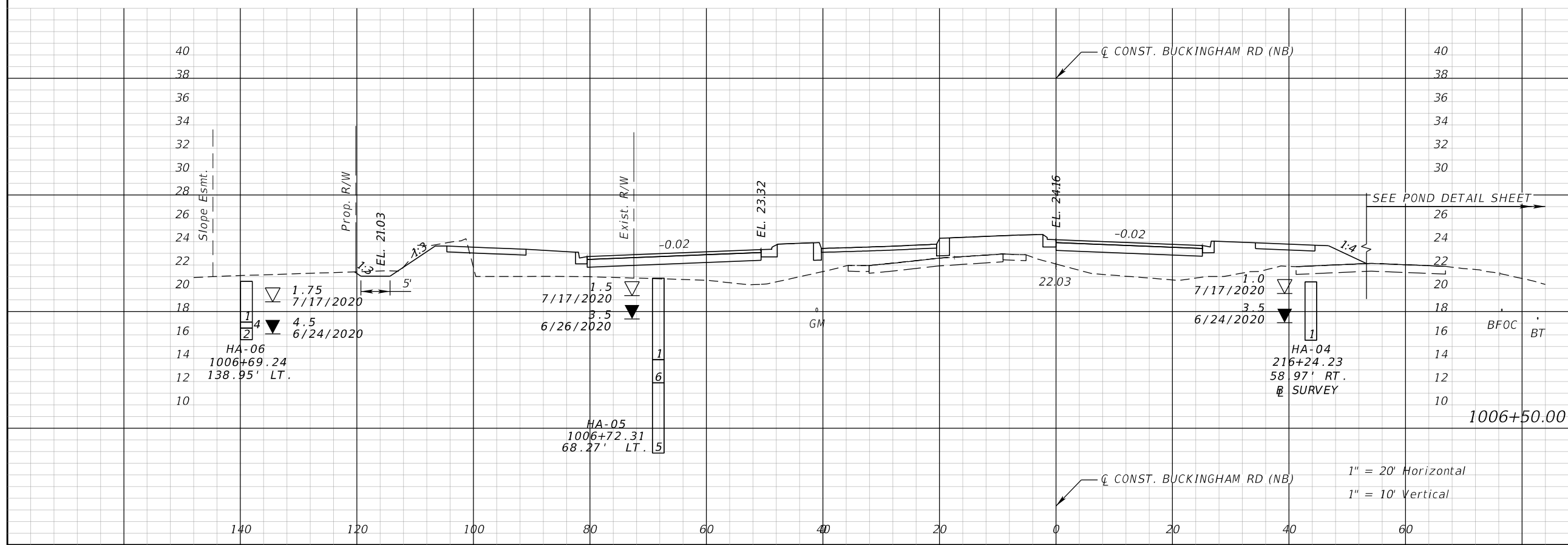
CROSS SECTIONS (5)  
BUCKINGHAM RD

SHEET NO.  
52

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
1	9	179	418		



9	39	284	2241		
---	----	-----	------	--	--

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

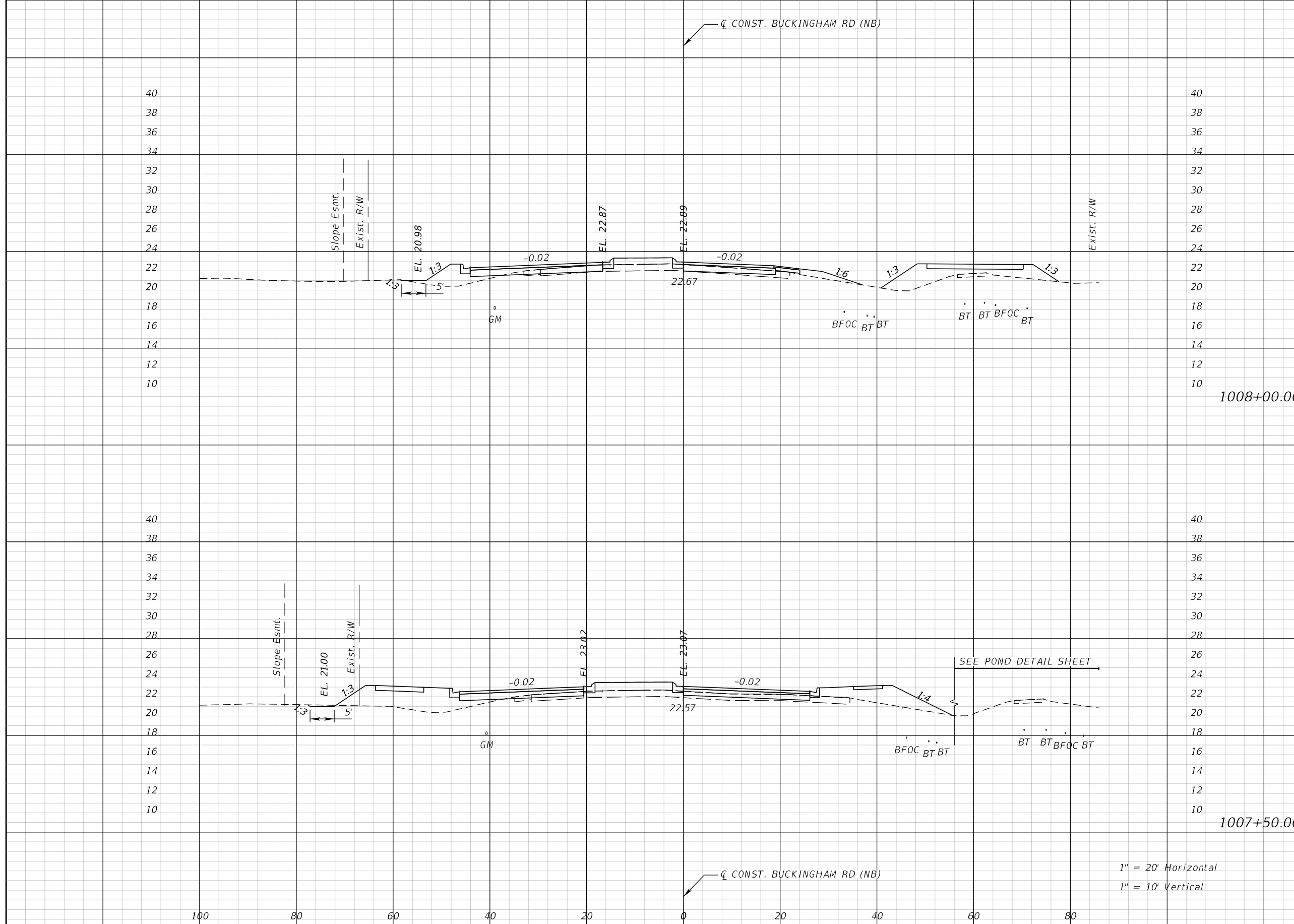


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**CROSS SECTIONS (6)**  
**BUCKINGHAM RD**

SHEET NO.  
 53

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



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

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

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

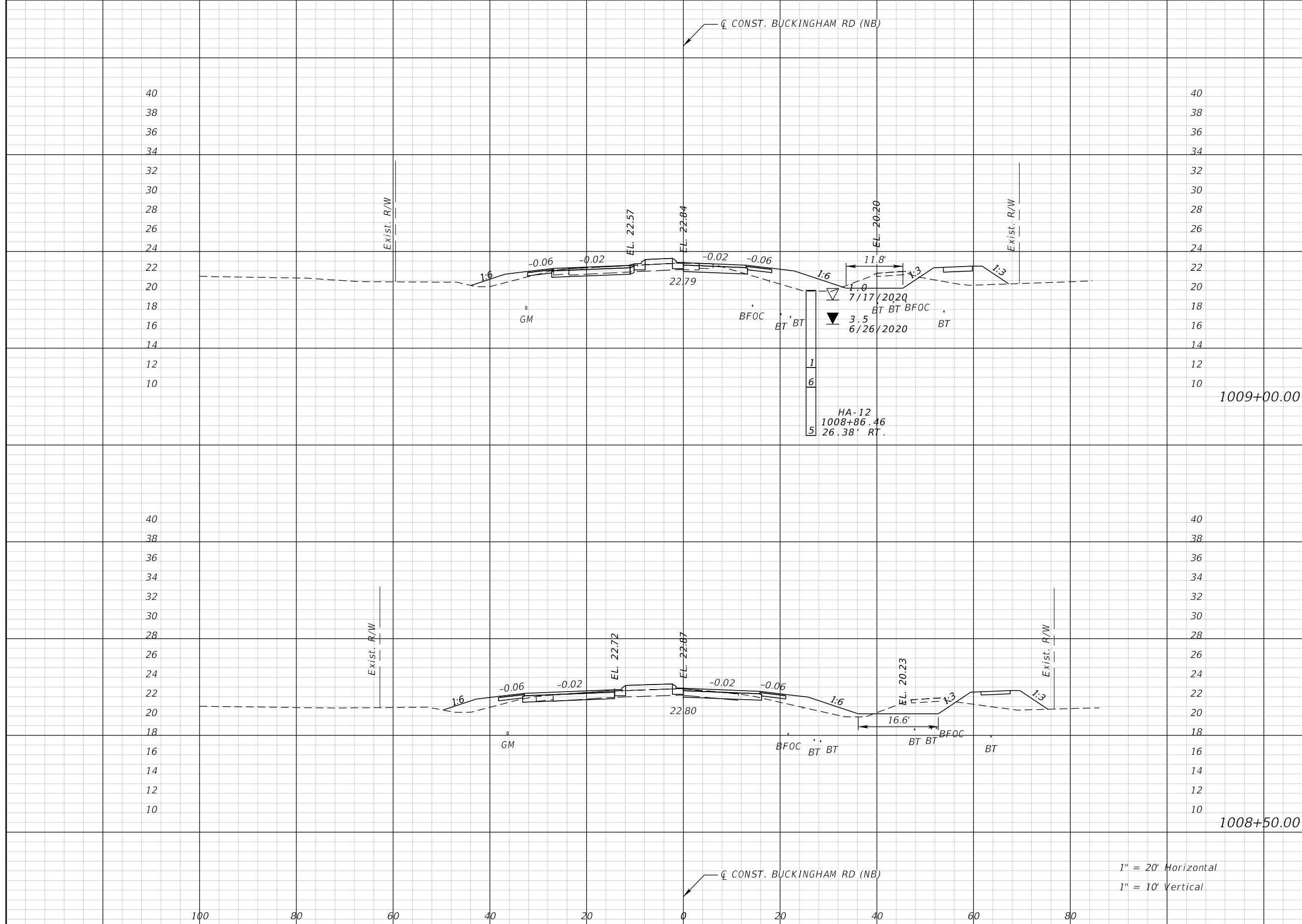


BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (7)**  
**BUCKINGHAM RD**

SHEET NO.  
54

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



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

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

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

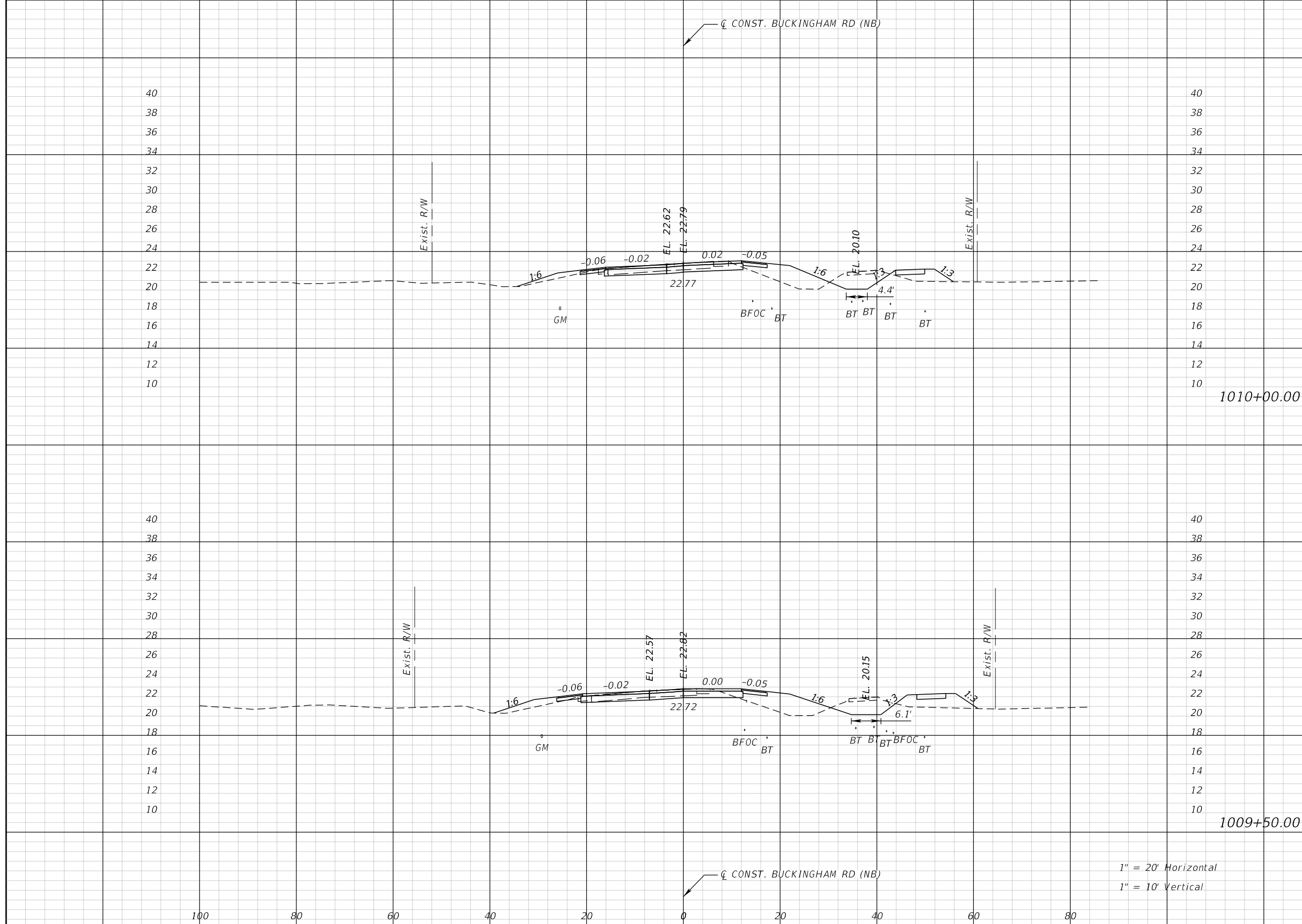


BUCKINGHAM RD & GUNNERY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (8)**  
**BUCKINGHAM RD**

SHEET NO.  
55

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



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

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

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

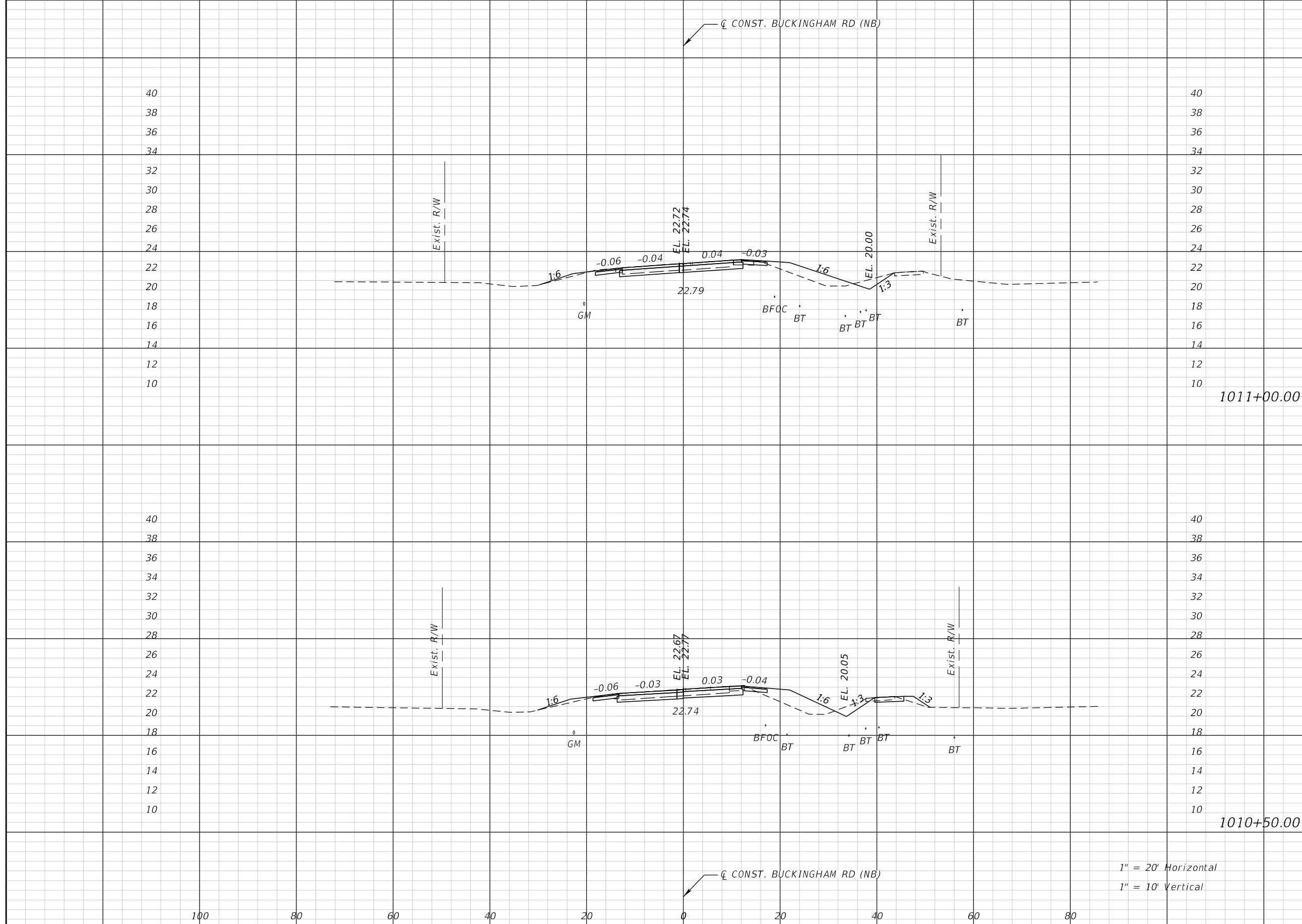


BUCKINGHAM RD & GUNNERY RD  
ROUNDAOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (9)**  
**BUCKINGHAM RD**

SHEET NO.  
56

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



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

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

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



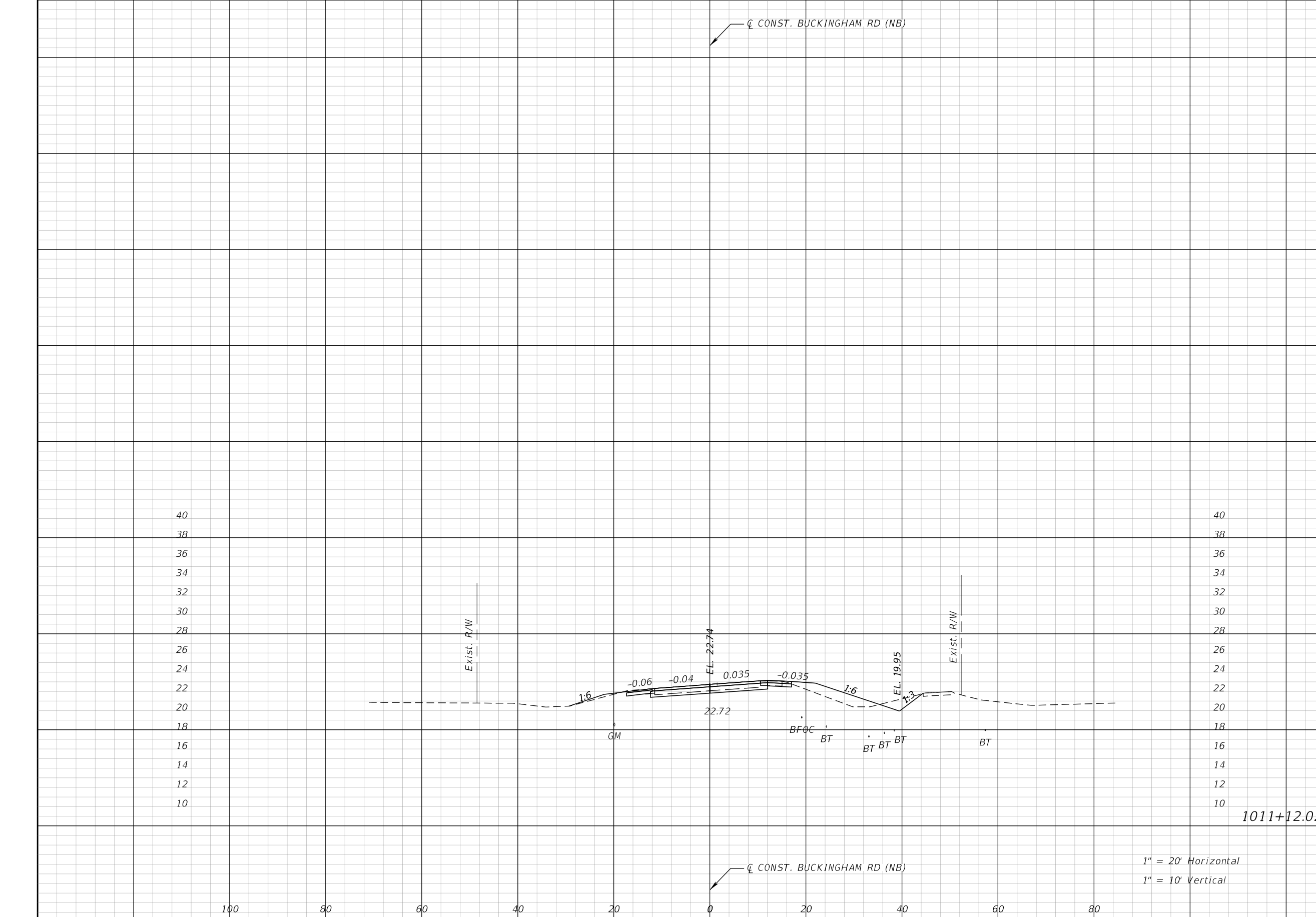
BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (10)**  
**BUCKINGHAM RD**

SHEET NO.  
57

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

Regular		Exc.		Embankment	
A	V	A	V	A	V



1011+12.02

15	7	17	7
----	---	----	---

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

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



BUCKINGHAM RD & GUNNERY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

CROSS SECTIONS (11)  
BUCKINGHAM RD

SHEET NO.  
58



42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12

100

80

60

40

20

0

20

40

60

80

Q CONST. GUNNERY RD (NB)

Exist. R/W

EL. 19.60

1.3

1.6

-0.06

-0.02

-0.02

-0.06

1.6

1.4

EL. 20.70

1.4

Exist. R/W

Exist. Fence

EL. 22.65

22.65

BFOC BT

BT

3000+50.00

6

8

16

26

Exist. R/W

EL. 19.55

1.4

1.6

-0.02

-0.02

1.6

1.4

EL. 20.75

1.4

Exist. R/W

Exist. Fence

EL. 22.69

22.69

BFOC BT

BT

3000+00.00

2

0

12

0

Q CONST. GUNNERY RD (NB)

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

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



BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

CROSS SECTIONS (12)  
GUNNERY RD

SHEET NO.  
59

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12

100

80

60

40

20

0

20

40

60

80

Q CONST. GUNNERY RD (NB)

Exist. R/W

EL. 19.70

1:3

1:6

-0.06

-0.02

EL. 22.52

-0.02

-0.06

1:6

EL. 20.60

1:4

5'

BFOC BT

BT

Exist. R/W

3001+50.00

7

13

15

29

Exist. R/W

EL. 19.65

1:3

1:6

-0.06

-0.02

EL. 22.57

-0.02

-0.06

1:6

EL. 20.65

1:4

5'

BFOC BT

BT

Exist. R/W

Exist. Fence

3001+00.00

6

12

16

30

Q CONST. GUNNERY RD (NB)

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

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



BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

CROSS SECTIONS (13)  
GUNNERY RD

SHEET NO.

60

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12

100

80

60

40

20

0

20

40

60

80

CL CONST. GUNNERY RD (NB)

Exist. R/W

EL. 19.80

1:3

2'

1:6

-0.06

-0.02

EL. 22.42

-0.02

-0.06

EL. 20.50

1:6

1:4

5'

BFOC

BT

BT

Exist. R/W

Exist. Fence

3002+50.00

8

15

17

29

Exist. R/W

EL. 19.75

1:3

2'

1:6

-0.06

-0.02

EL. 22.47

-0.02

-0.06

EL. 20.55

1:6

1:4

5'

BFOC

BT

BT

Exist. R/W

3002+00.00

8

14

15

28

CL CONST. GUNNERY RD (NB)

1" = 20' Horizontal

1" = 10' Vertical

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



BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT

FINANCIAL PROJECT ID

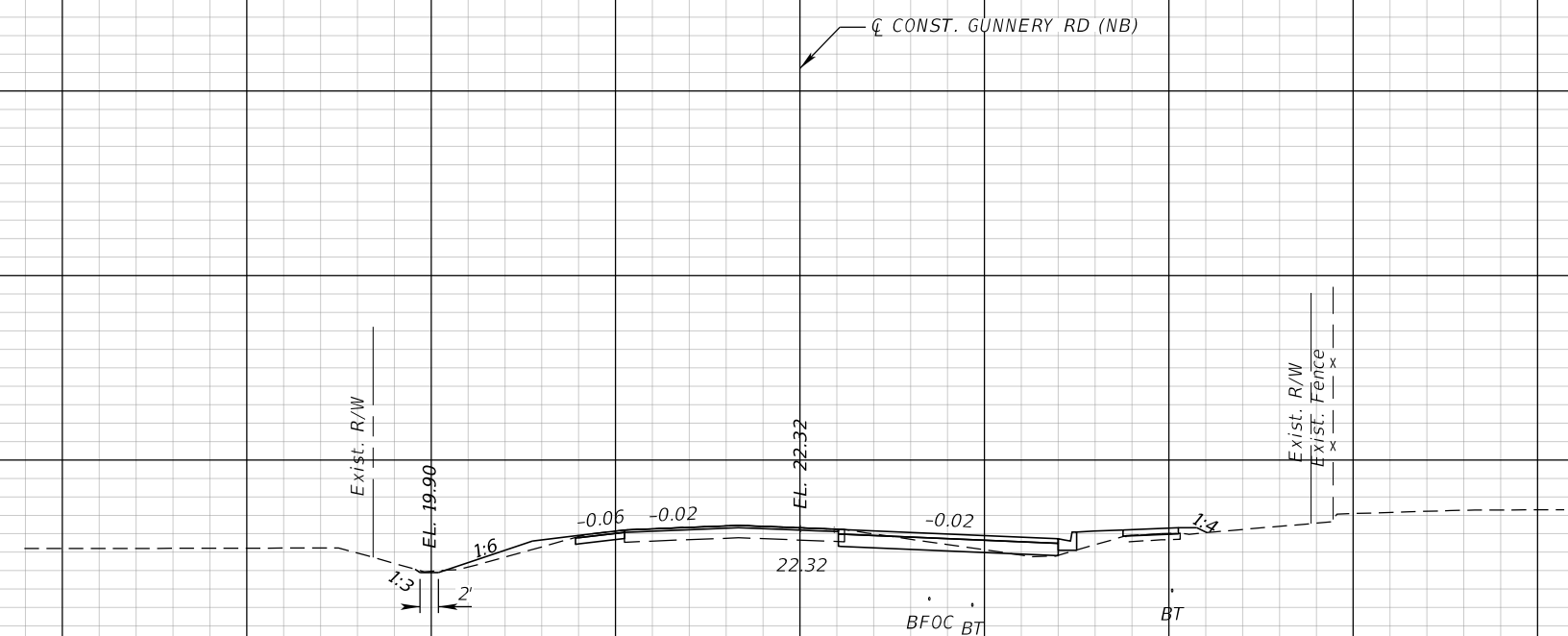
442123-1-58-01

CROSS SECTIONS (14)  
 GUNNERY RD

SHEET NO.

61

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12



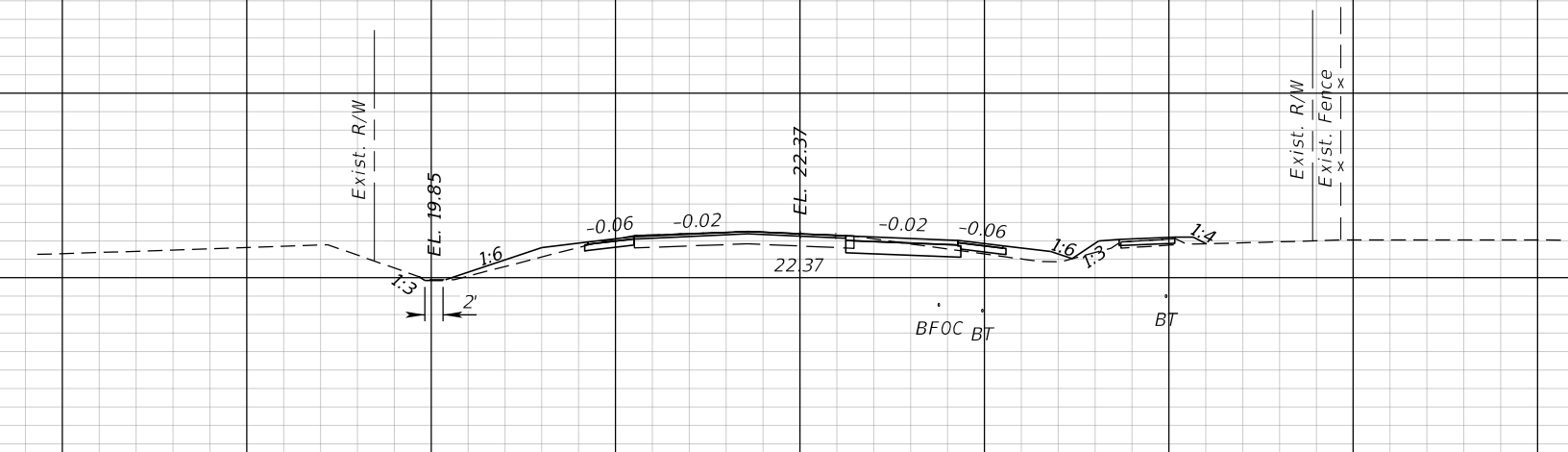
3003+50.00

Regular Exc. Embankment

A V A V

11 19 23 44

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12



3003+00.00

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

100 80 60 40 20 0 20 40 60 80

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



BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (15)**  
**GUNNERY RD**

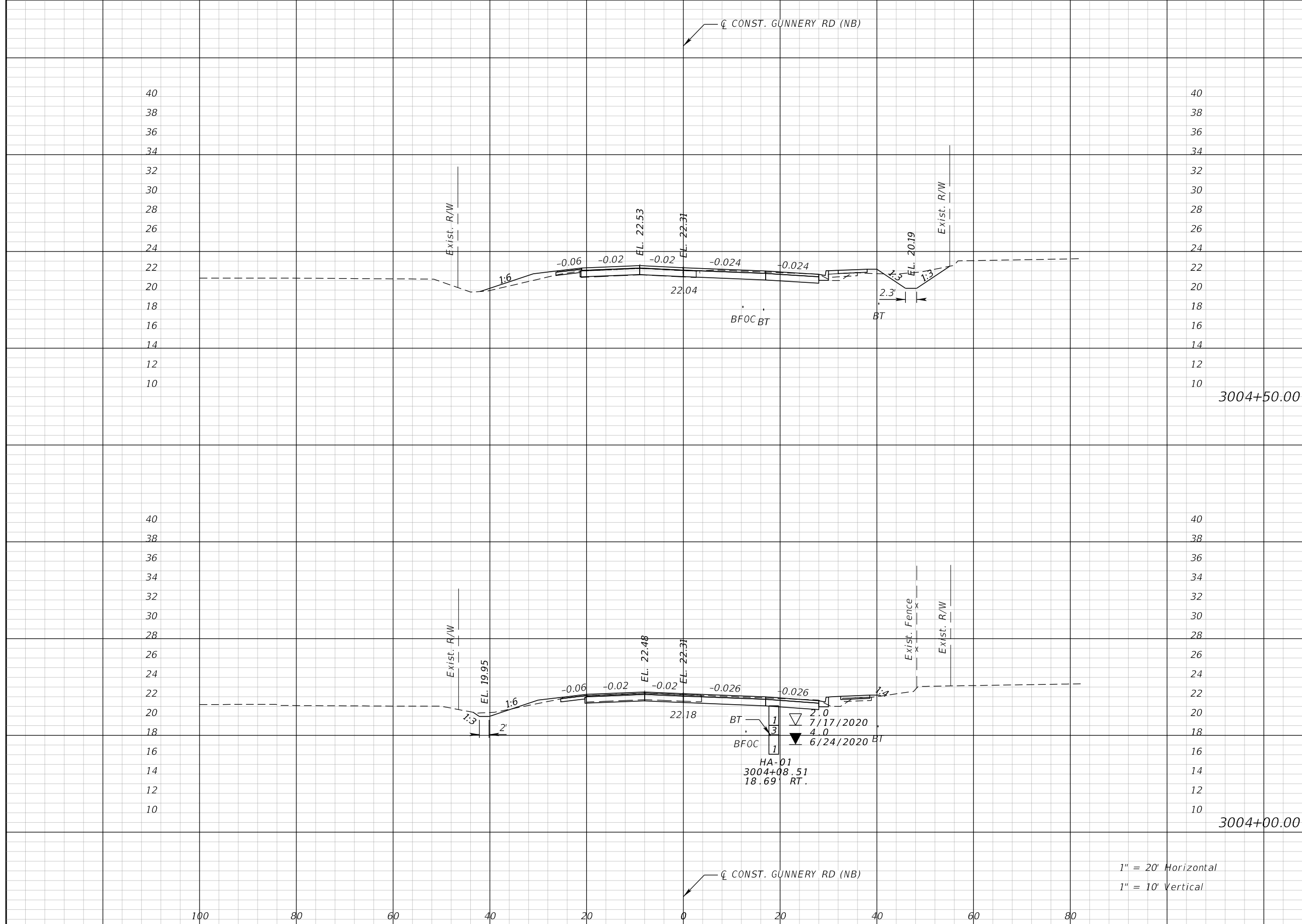
SHEET  
NO.  
62

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

SharmaS

3/25/2021 1:56:56 PM Rdxsrd\_shg

I:\67\67026900 Buckingham Rd Roundabout\44212315801\roadway\RDx5RD01.dgn



Regular		Exc.		Embankment	
A	V	A	V	A	V
22	45	12	17		
26	34	7	27		

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

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



BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

CROSS SECTIONS (16)  
GUNNERY RD

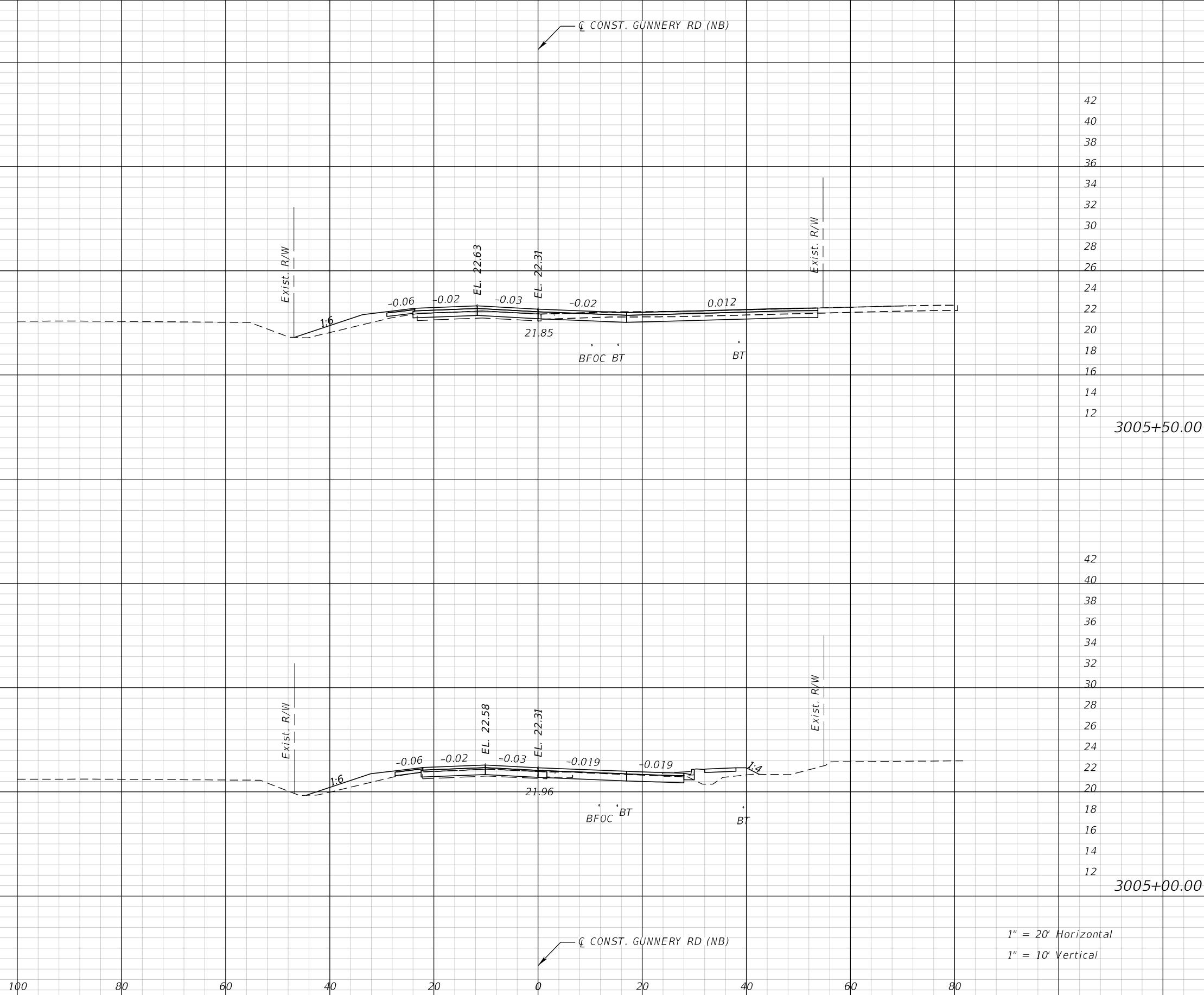
SHEET NO.  
63

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

Regular Exc. Embankment  
A V A V

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12

42  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12



3005+50.00

20

32

19

38

3005+00.00

15

34

23

32

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

100 80 60 40 20 0 20 40 60 80

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

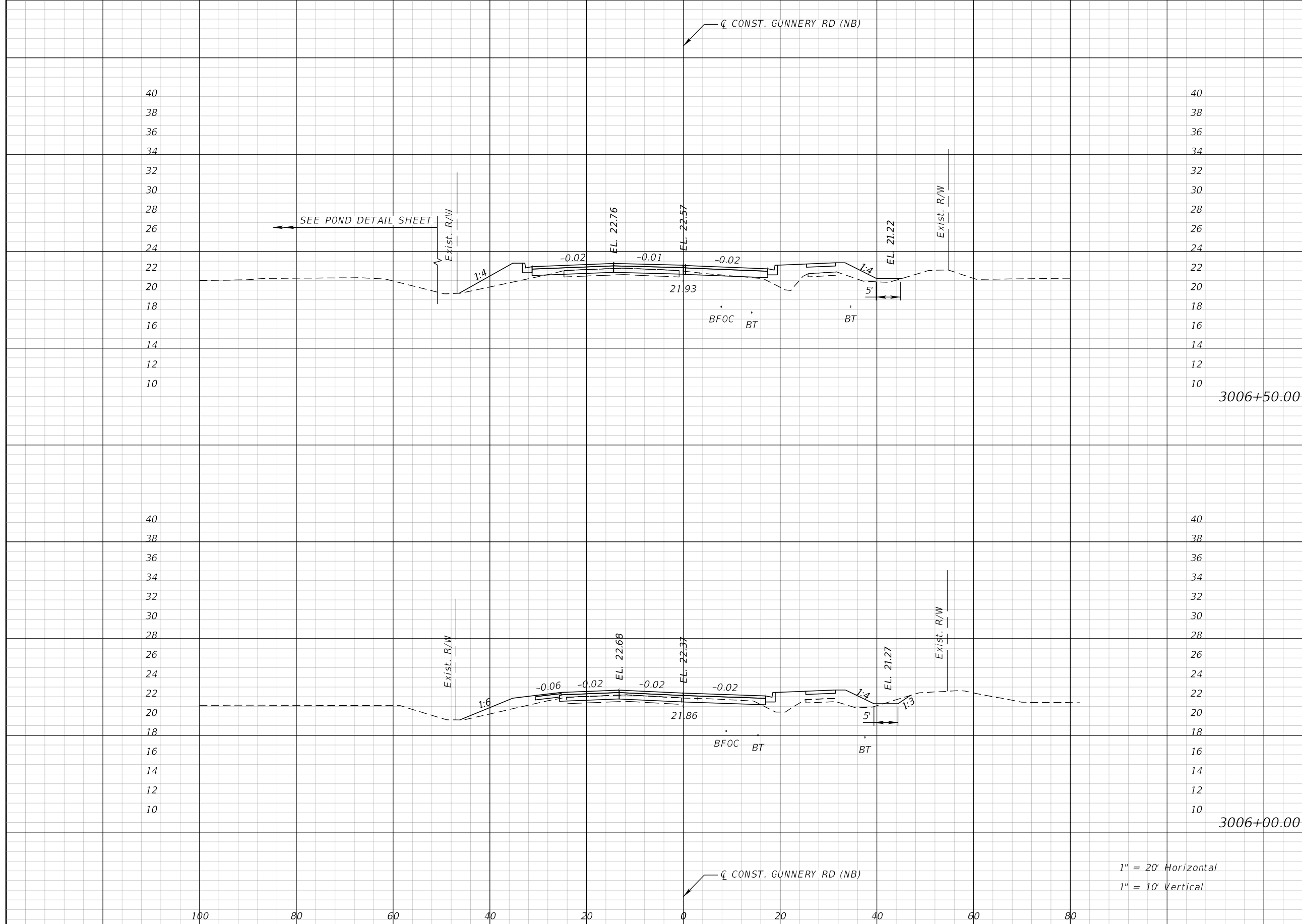


BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

CROSS SECTIONS (17)  
GUNNERY RD

SHEET NO.  
64

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
3	9	52	90		
7	24	45	59		

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

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

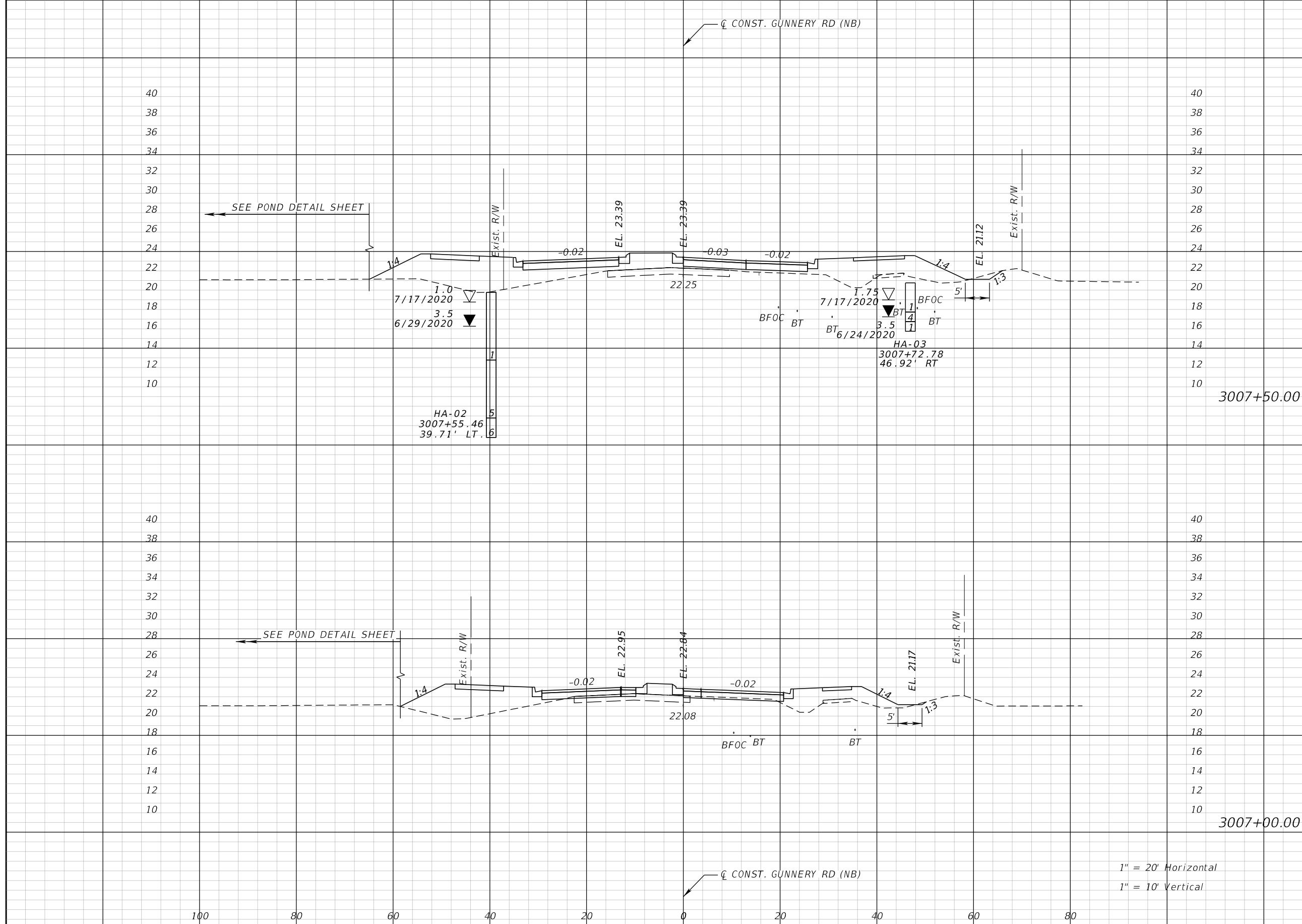


BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (18)**  
**GUNNERY RD**

SHEET NO.  
65

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	3	194	274		
3	5	119	157		

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

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



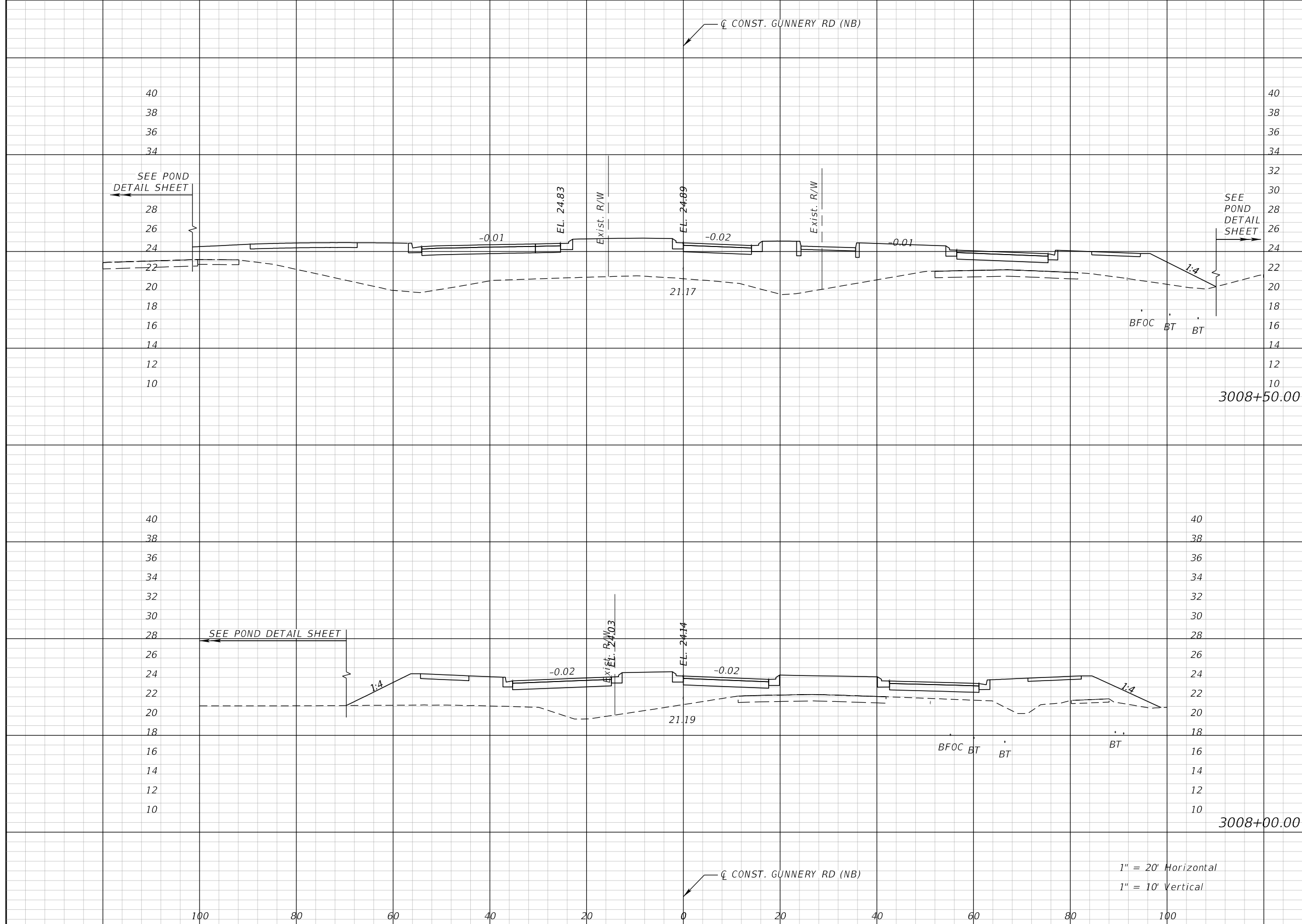
BUCKINGHAM RD & GUNNERY RD  
ROUNDAABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (19)**  
**GUNNERY RD**

SHEET NO.  
66

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





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

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

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



BUCKINGHAM RD & GUNNERY RD  
ROUNDBOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**CROSS SECTIONS (20)**  
**GUNNERY RD**

SHEET NO.  
67

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

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 COEFFICIENTS:

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: LATITUDE 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 (Q 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.A1 STABILIZATION PRACTICES:

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

TEMPORARY:

\* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

\* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

\* ASPHALT OR CONCRETE SURFACE.

\* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

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.

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT	FINANCIAL PROJECT ID 442123-1-58-01	<b>STORMWATER POLLUTION PREVENTION PLAN (1)</b>	SHEET NO.
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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 TARPULINS.

\* REMOVING EXCESS DIRT FROM ROADS DAILY.

\* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106.

\* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

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

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

2.C.4 FERTILIZERS AND PESTICIDES:

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

2.C.5 TOXIC SUBSTANCES:

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

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

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

\* 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.

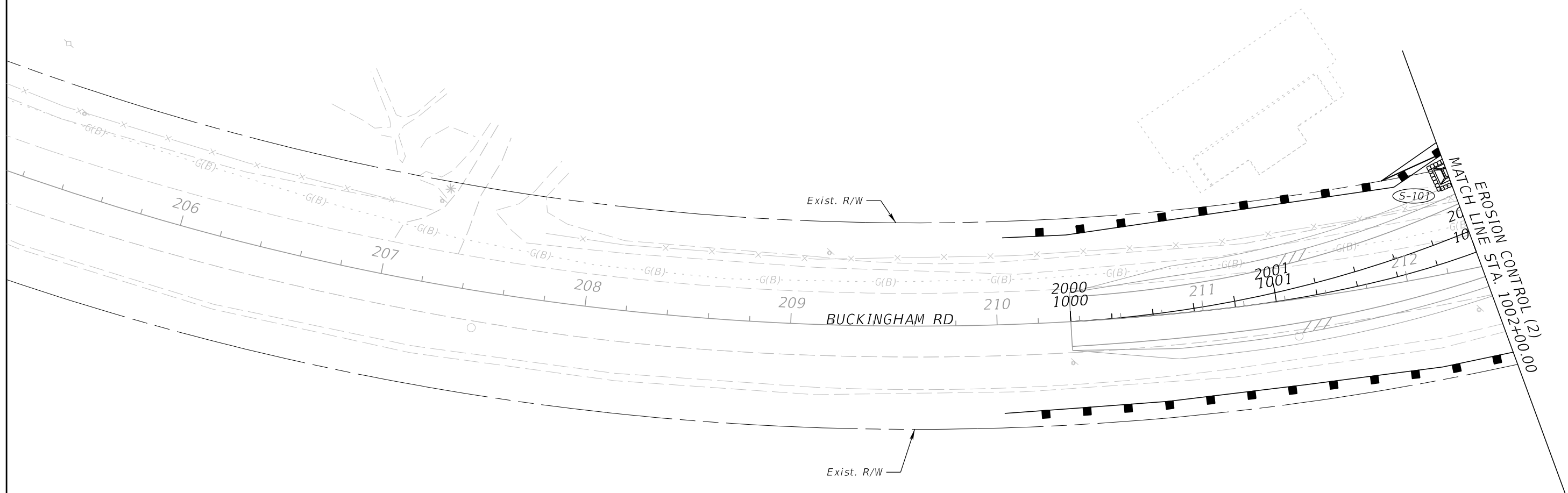
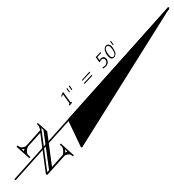
INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

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.

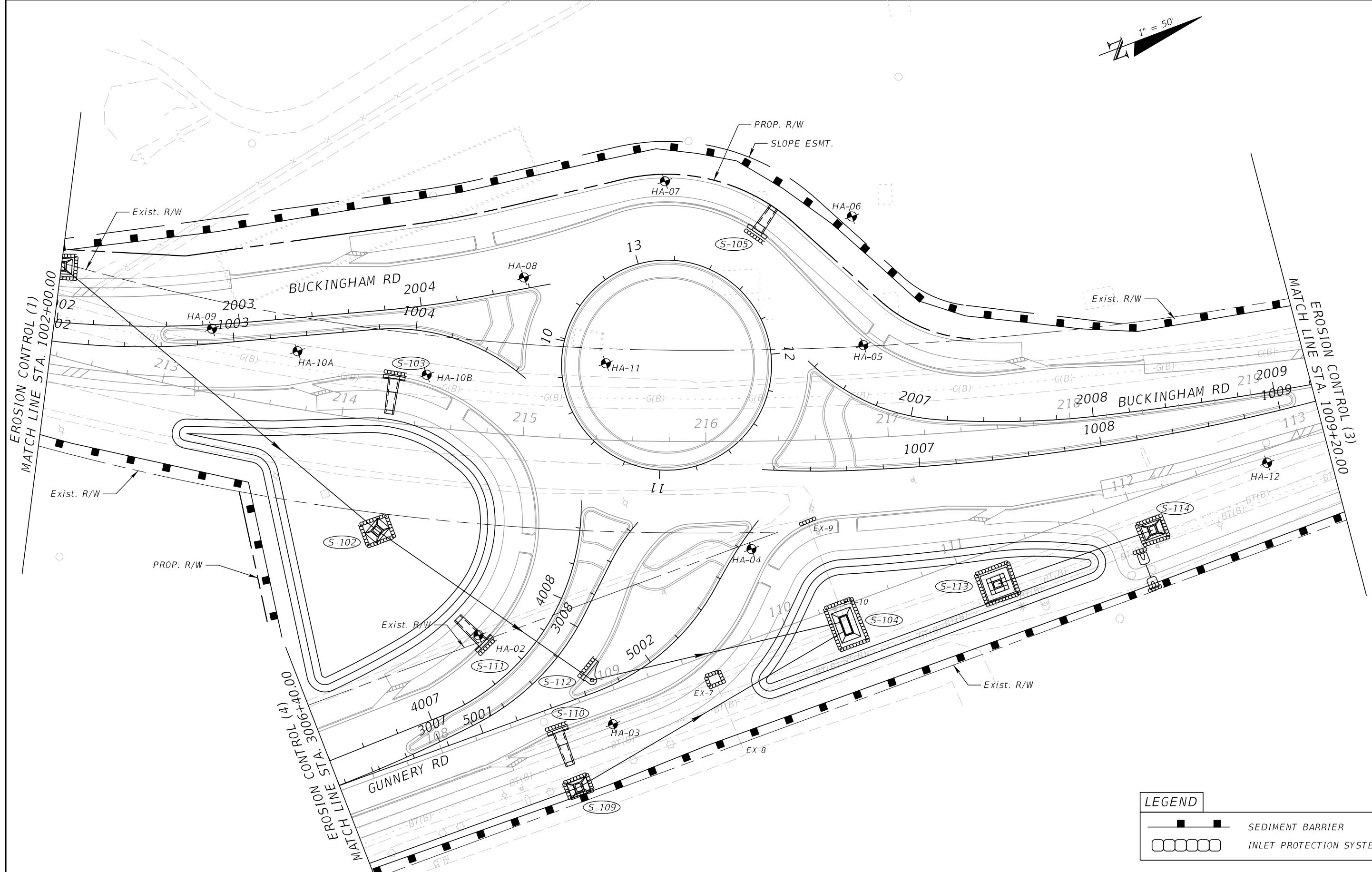
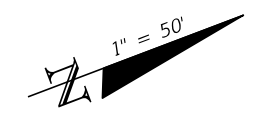
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DATE	DESCRIPTION	DATE	DESCRIPTION					
						FINANCIAL PROJECT ID 442123-1-58-01		



LEGEND	
	SEDIMENT BARRIER
	INLET PROTECTION SYSTEM

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<i>EROSION CONTROL (1)</i> <i>BUCKINGHAM RD</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					70

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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

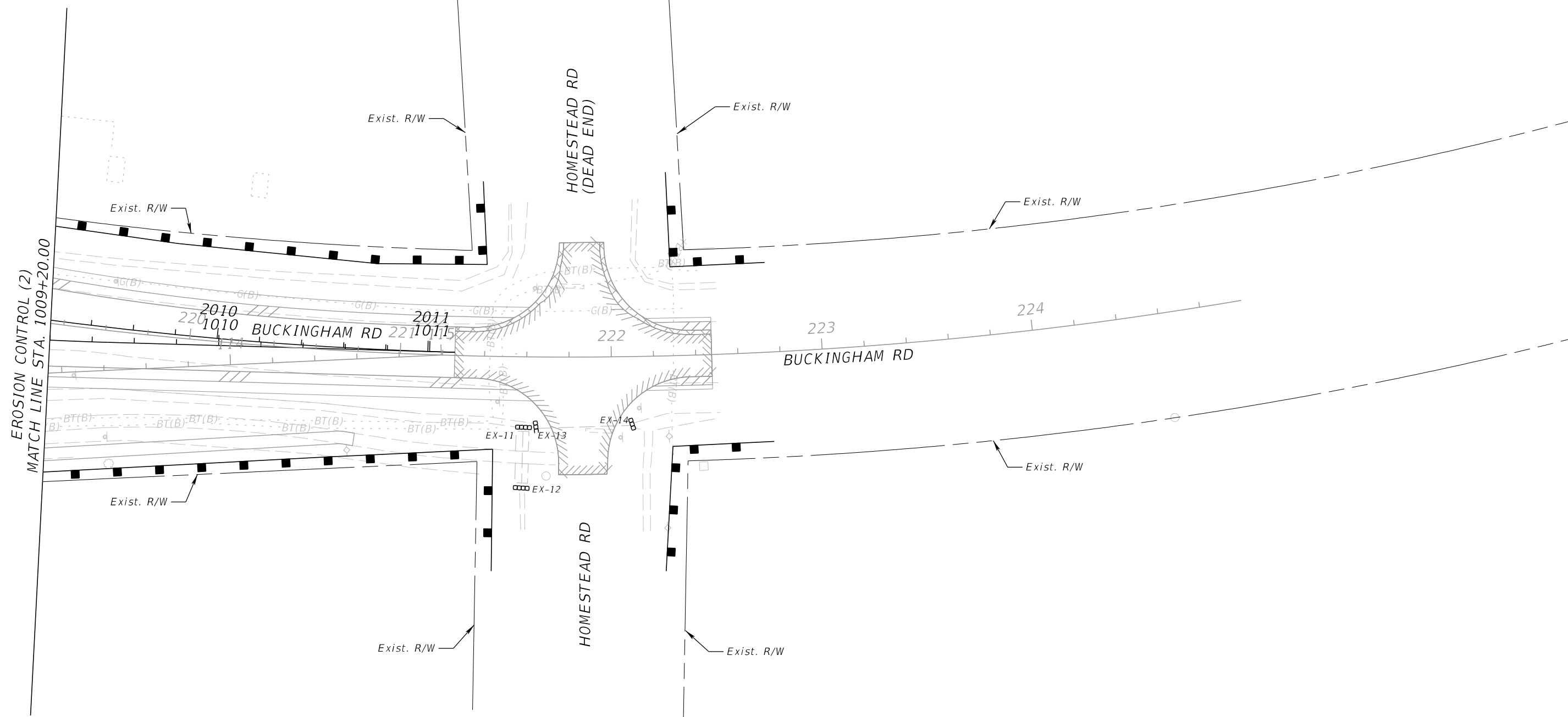


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**EROSION CONTROL (2)**  
**BUCKINGHAM RD**

SHEET NO.  
 71

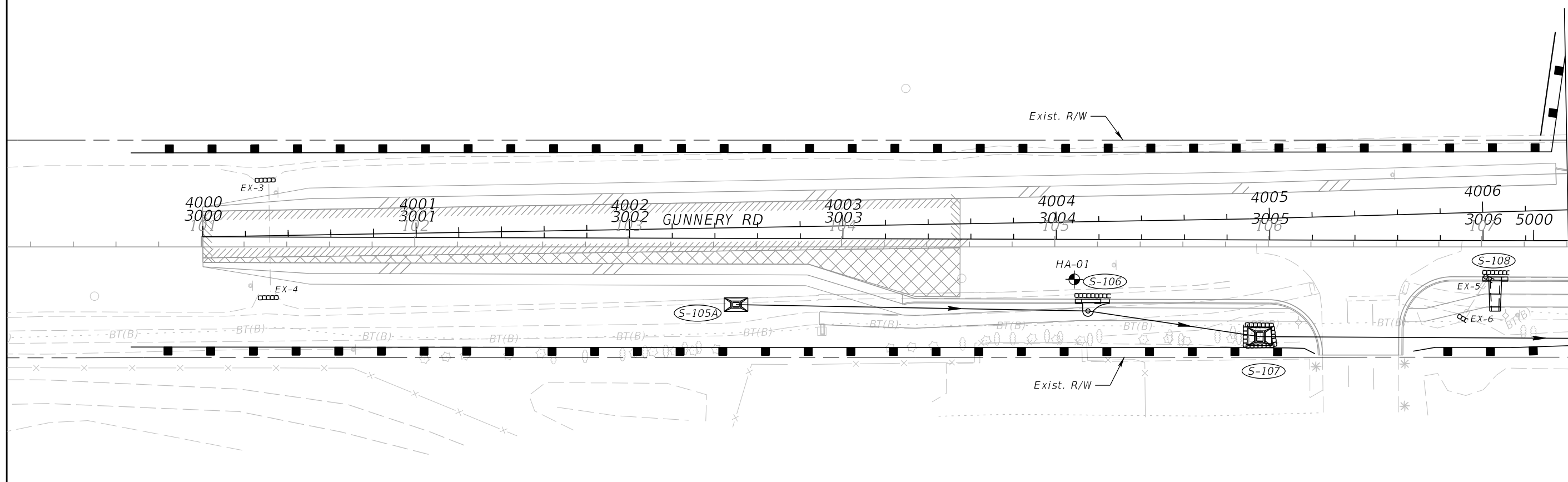
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LEGEND	
	SEDIMENT BARRIER
	INLET PROTECTION SYSTEM

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	EROSION CONTROL (3) BUCKINGHAM RD	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					72

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LEGEND	
	SEDIMENT BARRIER
	INLET PROTECTION SYSTEM

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERLY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	EROSION CONTROL (4) GUNNERLY RD	SHEET NO. 73
DATE	DESCRIPTION	DATE	DESCRIPTION					

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**GENERAL:**

- 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.
- THROUGH ARROWS SHOWN ON TRAFFIC CONTROL PLANS INDICATE DIRECTION OF TRAFFIC. THEY DO NOT REPRESENT PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.
- THE EXACT LOCATION OF ALL SIGNS AND BARRICADES SHALL BE DETERMINED IN THE FIELD TO MEET THE STANDARDS PLANS INDEX 102-000.
- TEMPORARY REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED WITH TEMPORARY STRIPING IN ACCORDANCE WITH INDEXES 102-000 AND 706-001.
- 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.
- 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.
- 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.
- THROUGHOUT THE MILLING & GRINDING OPERATIONS, USE A SELF-CONTAINED VACUUM TYPE MOBILE BROOM, OR EQUIVALENT, FOR CLEANUP OF MILLED DUST MATERIAL.
- ENSURE THAT STREET NAME SIGNS ARE VISIBLE TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
- 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.
- 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:**

- 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.
- 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:**

- IN ACCORDANCE WITH FDOT SPECIFICATION 8-8.4, SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:
  - CELTIC FESTIVAL
  - EDISON FESTIVAL OF LIGHT
  - TASTE OF LEE
  - FORT MYERS BOAT SHOW
- THE PRIMARY DETOURS ILLUSTRATED IN THE DETOUR SHEETS SHOULD BE APPLIED IN ALL INSTANCES UNLESS THERE ARE CONSTRUCTION CONSTRAINTS.
- COORDINATE ALL WORK, LANE CLOSURES, AND TEMPORARY TRAFFIC CONTROL WITH ANY OTHER PROJECTS IN THE VICINITY.
- ACCESSABILITY TO LOCAL TRAFFIC TO BE MAINTAINED AT ALL TIMES.
- TRAFFIC SHIFT SET UPS AND BREAK DOWNS, ROADWAY STRIPING AND MARKING SHALL BE DONE DURING NIGHT HOURS OF 7 PM TO 5 AM.
- NO LANE CLOSURES ALLOWED FROM 7 PM TO 5 AM.

**PCMS MESSAGES:**

- 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.
- 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: R O A D W O R K X X X X R D

MESSAGE 2: B E G I N M M / D D M M / D D

**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: N E W T R A F F I C P A T T E R N

MESSAGE 2: U S E C A U T I O N

**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: X X X X R D C L O S E D A H E A D

MESSAGE 2: F O L L O W D E T O U R

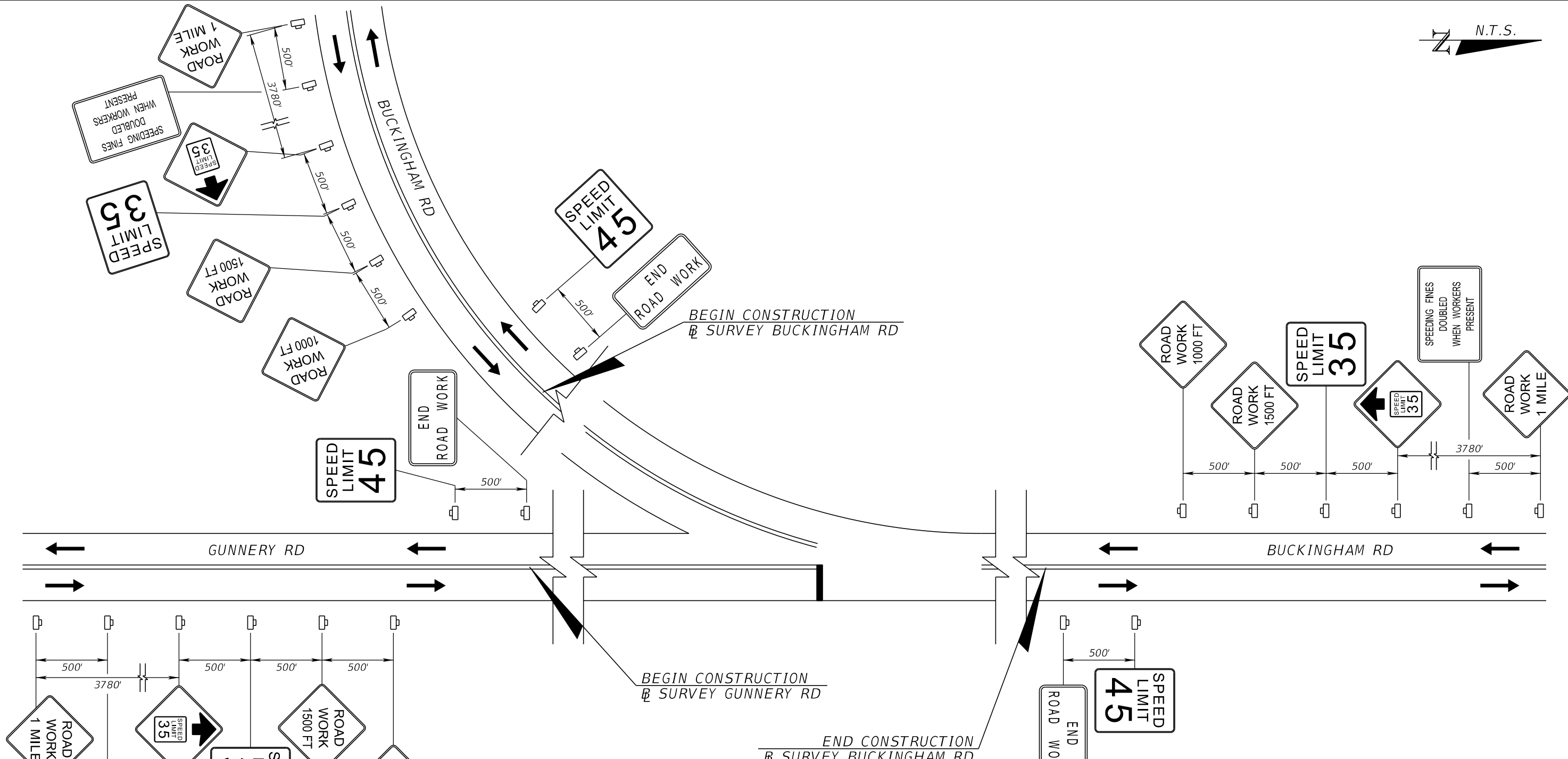
**TEMOPORARY SIGNALIZATION:**

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

**TTC GENERAL NOTES**

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				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		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<b>TEMPORARY TRAFFIC CONTROL PLANS (1)</b>	SHEET NO.  74
REVISIONS																				
DATE	DESCRIPTION	DATE	DESCRIPTION																	





- 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

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



**BUCKINGHAM RD & GUNNER RD  
 ROUNDABOUT**

FINANCIAL PROJECT ID  
 442123-1-58-01

**TEMPORARY TRAFFIC  
 CONTROL PLANS (2)**

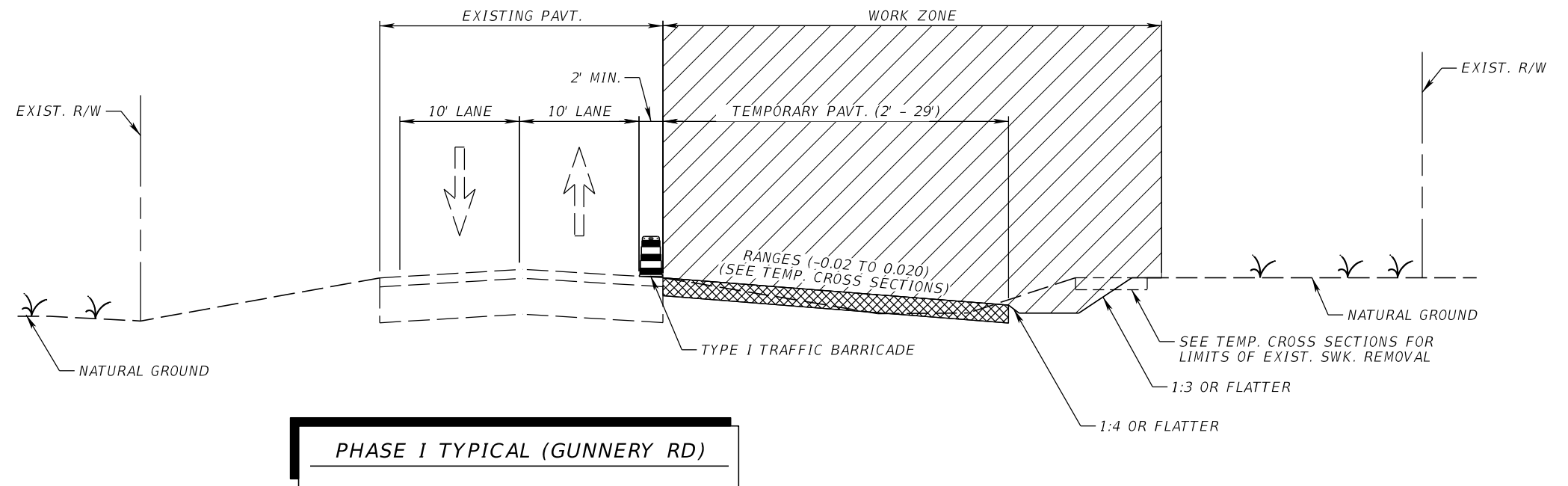
SHEET  
 NO.  
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**PHASE I NOTES:**

OPERATIONS ARE TO INSTALL TEMPORARY PAVEMENT FOR PHASE II.

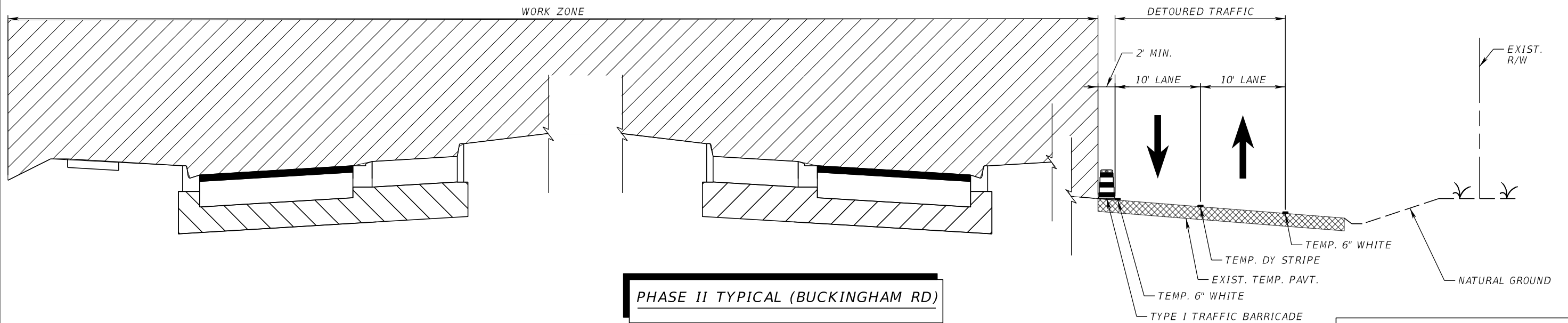
1. MAINTAIN EXISTING TRAFFIC PATTERNS.
2. CONSTRUCT TEMPORARY PAVEMENT FOR PHASE II OPERATIONS.



**PHASE 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 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



BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

**TEMPORARY TRAFFIC  
CONTROL PLANS (3)**

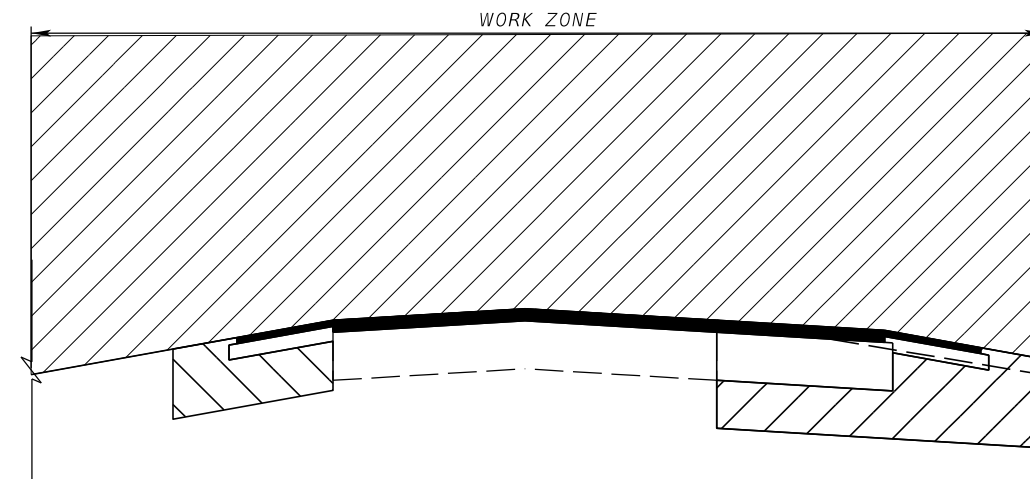
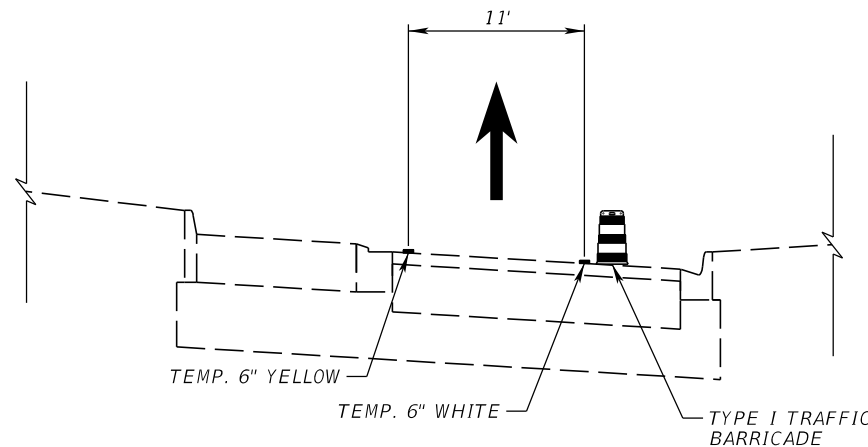
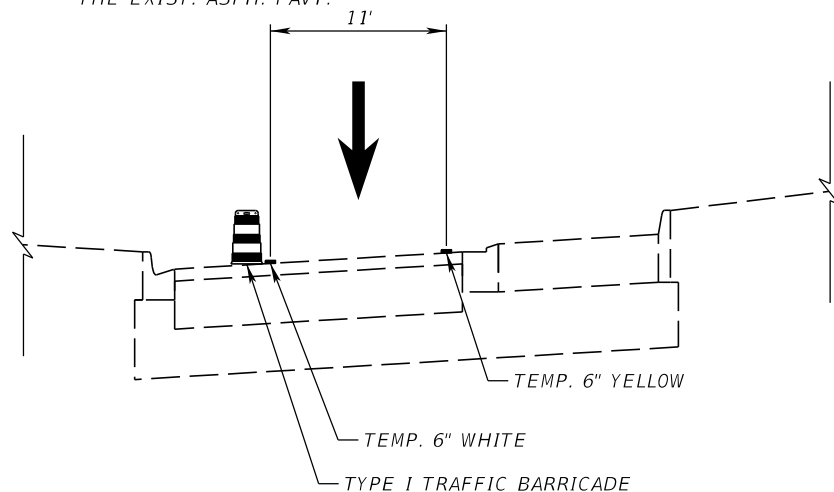
SHEET NO.  
76

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

**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.

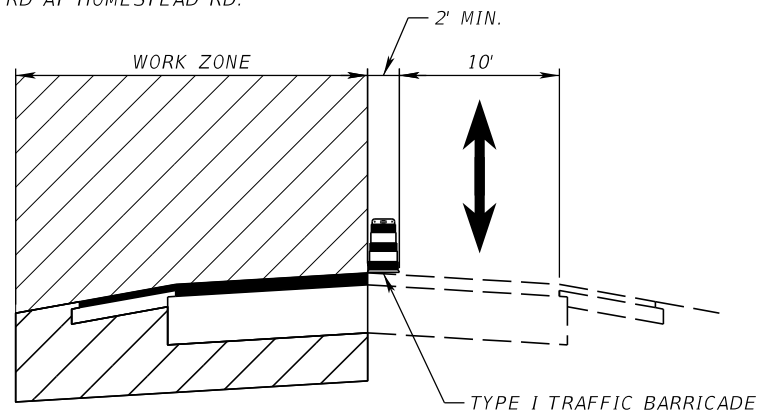


**PHASE III TYPICAL (GUNNERY RD)**

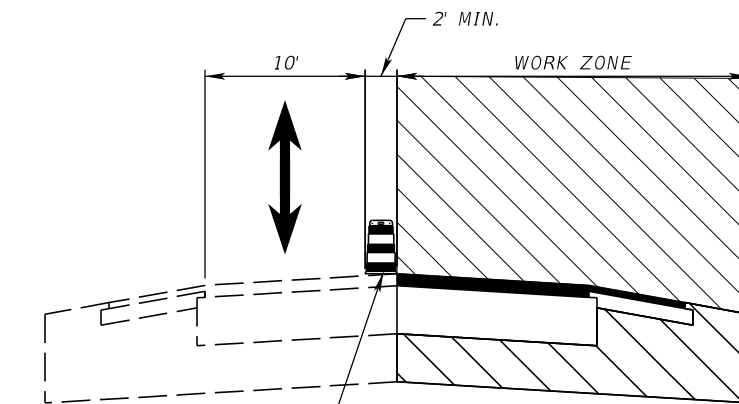
**PHASE IV NOTES:**

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).

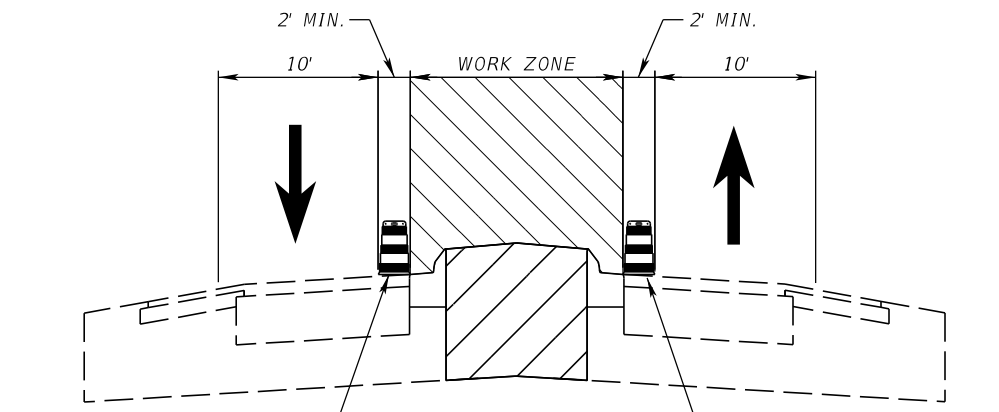
1. SETUP TRAFFIC CONTROL DEVICES ALONG BUCKINGHAM AND GUNNERY RD.
2. APPLY MUTCD TYPICAL APPLICATION (TA-27) TO ALLOW FOR TWO WAY ONE LANE TRAFFIC PATTERN TO CONSTRUCT REMAINING PORTION OF ROUNDABOUT ALONG BUCKINGHAM RD.
3. APPLY MUTCD TYPICAL APPLICATION (TA-27) TO ALLOW FOR TWO WAY ONE LANE TRAFFIC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



**STAGE I  
(FLAGGING OPERATION REQUIRED)**



**STAGE II  
(FLAGGING OPERATION REQUIRED)**



**STAGE III**

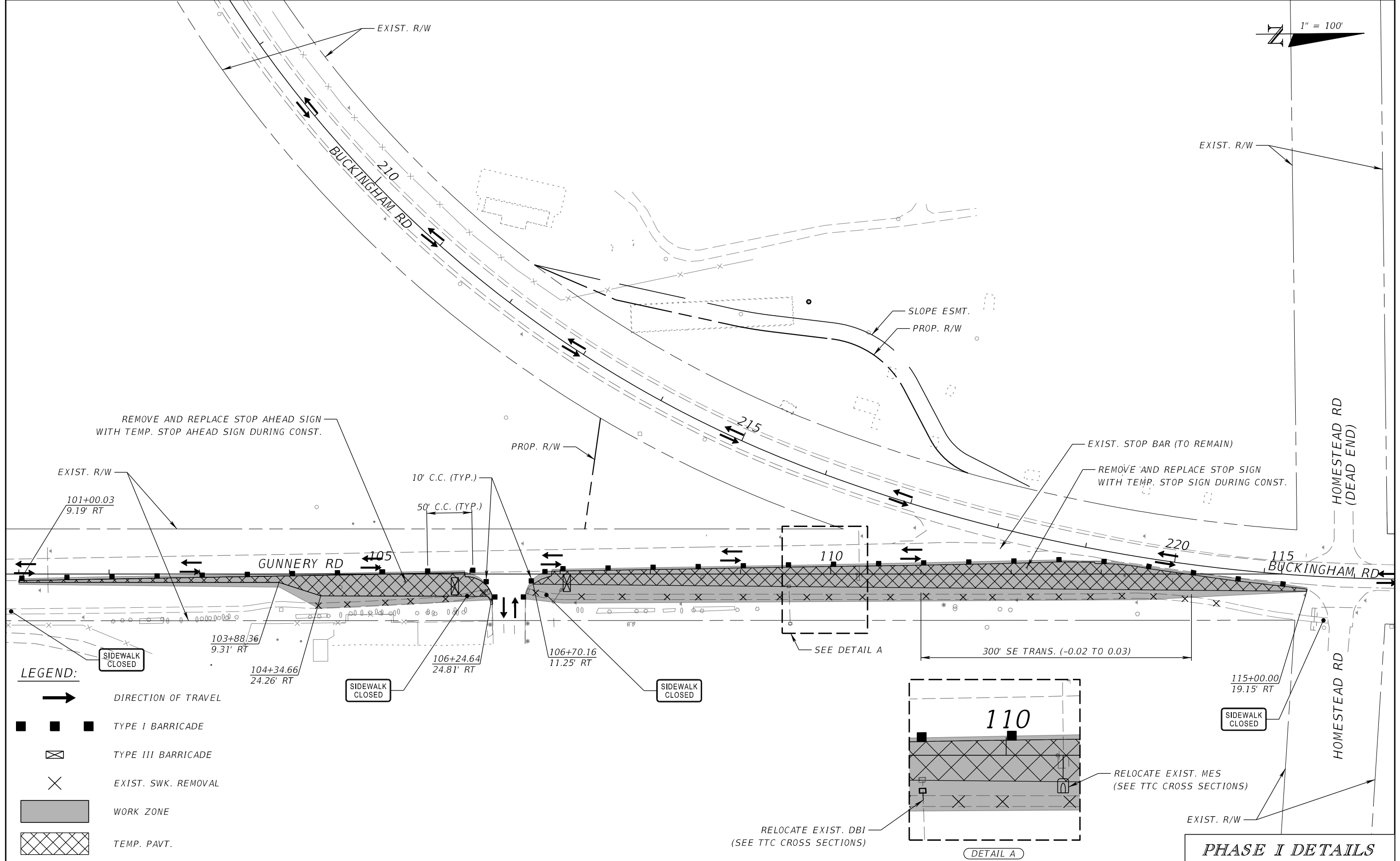
**PHASE IV TYPICAL (BUCKINGHAM RD)**

**PHASE TYPICALS**

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT	FINANCIAL PROJECT ID 442123-1-58-01	TEMPORARY TRAFFIC CONTROL PLANS (4)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						77

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

1" = 100'



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



BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

TEMPORARY TRAFFIC  
 CONTROL PLANS (5)

SHEET NO.  
 78

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

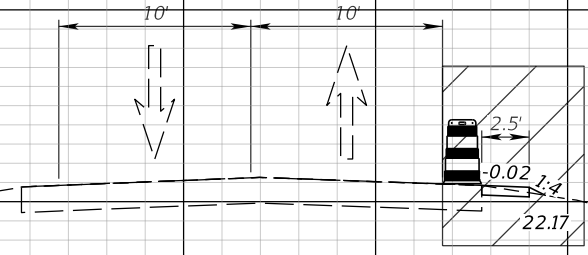
28  
26  
24  
22  
20  
18

28  
26  
24  
22  
20  
18

Exist. R/W

Exist. R/W

Exist. Fence



102+00.00

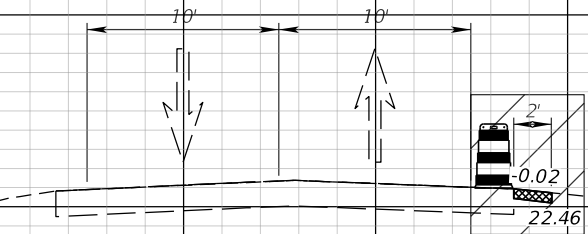
28  
26  
24  
22  
20  
18

28  
26  
24  
22  
20  
18

Exist. R/W




Exist. R/W

Exist. Fence



101+00.00

**LEGEND**

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

1" = 10' Horizontal  
1" = 5' Vertical

**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

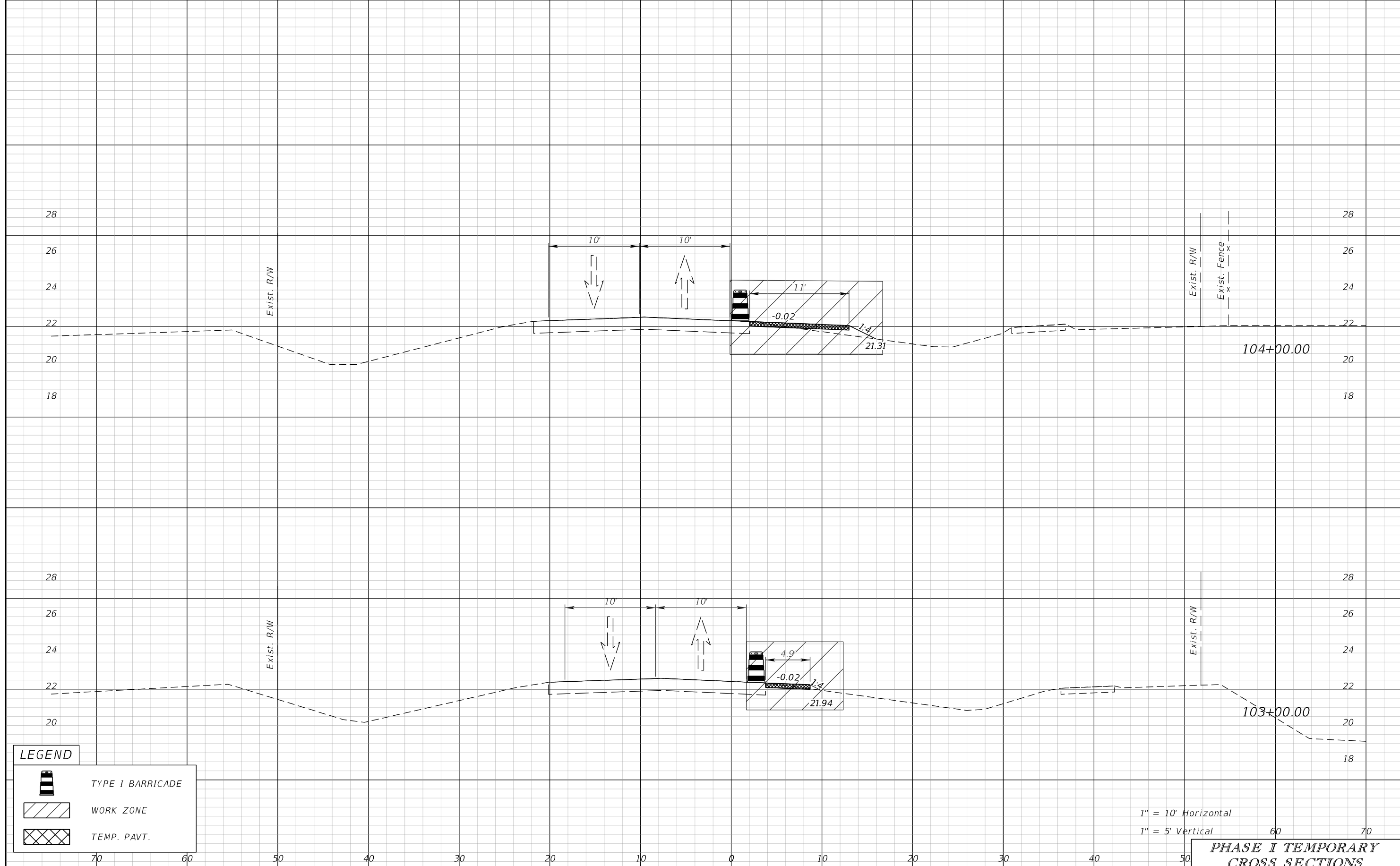


BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01




**TEMPORARY TRAFFIC CONTROL PLANS (6)**

SHEET NO.  
79

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**LEGEND**

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

1" = 10' Horizontal  
 1" = 5' Vertical

**PHASE I TEMPORARY CROSS SECTIONS**

REVISIONS	
DATE	DESCRIPTION

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

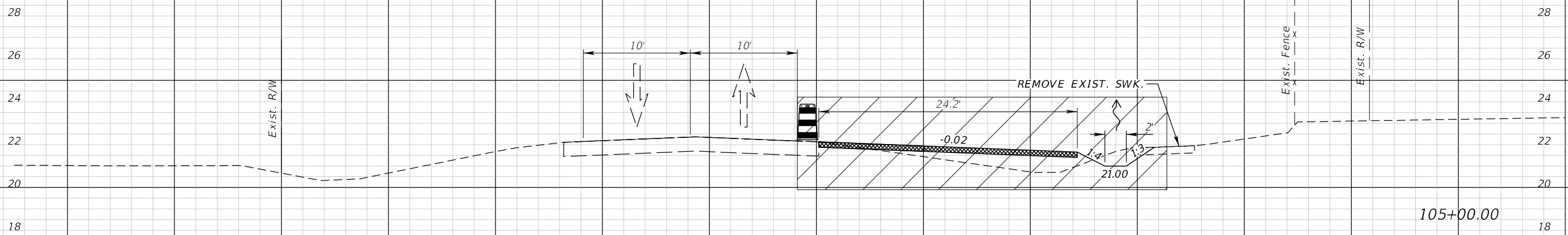
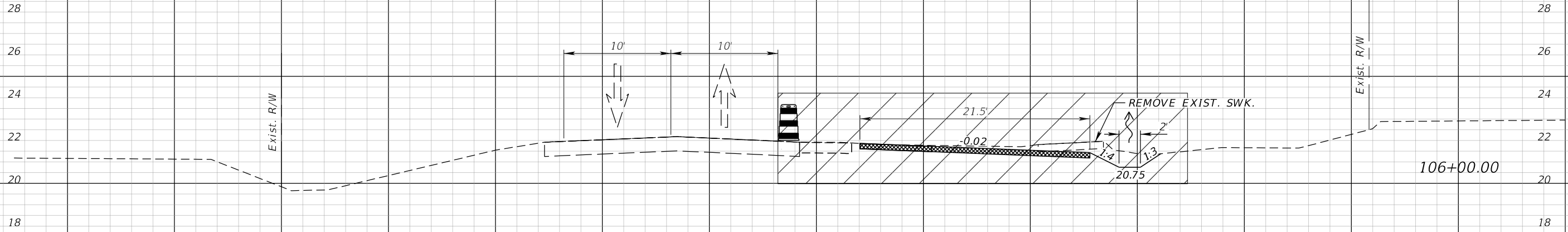


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TEMPORARY TRAFFIC CONTROL PLANS (7)**

SHEET NO.  
 80

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.

1" = 10' Horizontal  
 1" = 5' Vertical

**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

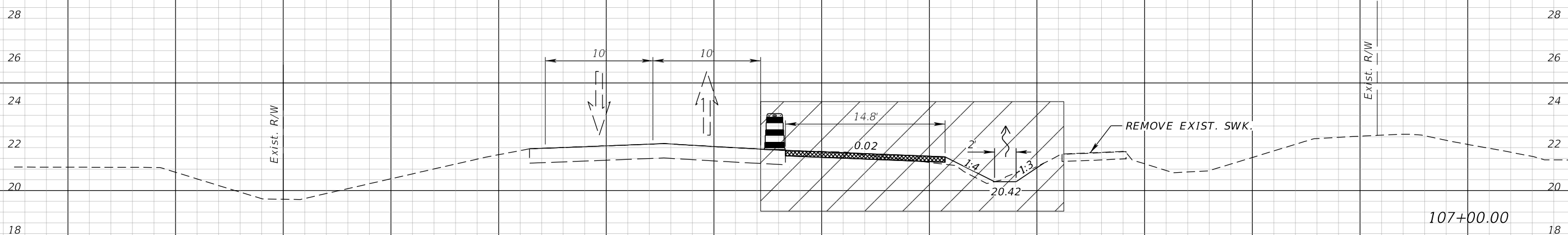
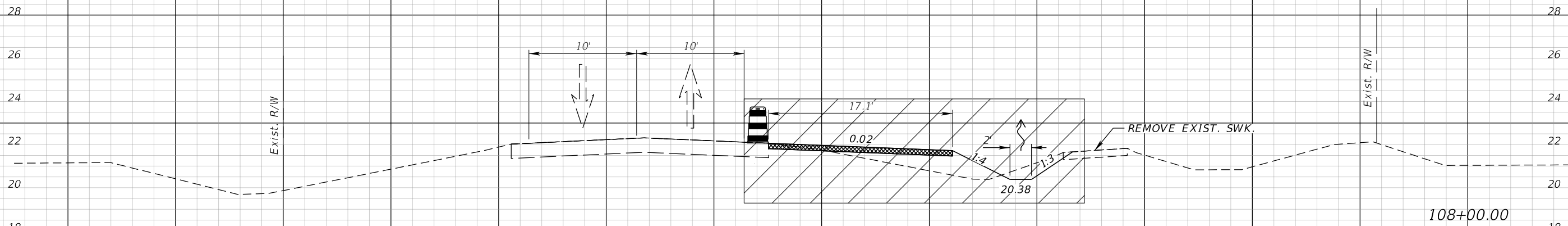


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TEMPORARY TRAFFIC CONTROL PLANS (8)**

SHEET NO.  
 81

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.

1" = 10' Horizontal  
 1" = 5' Vertical

**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



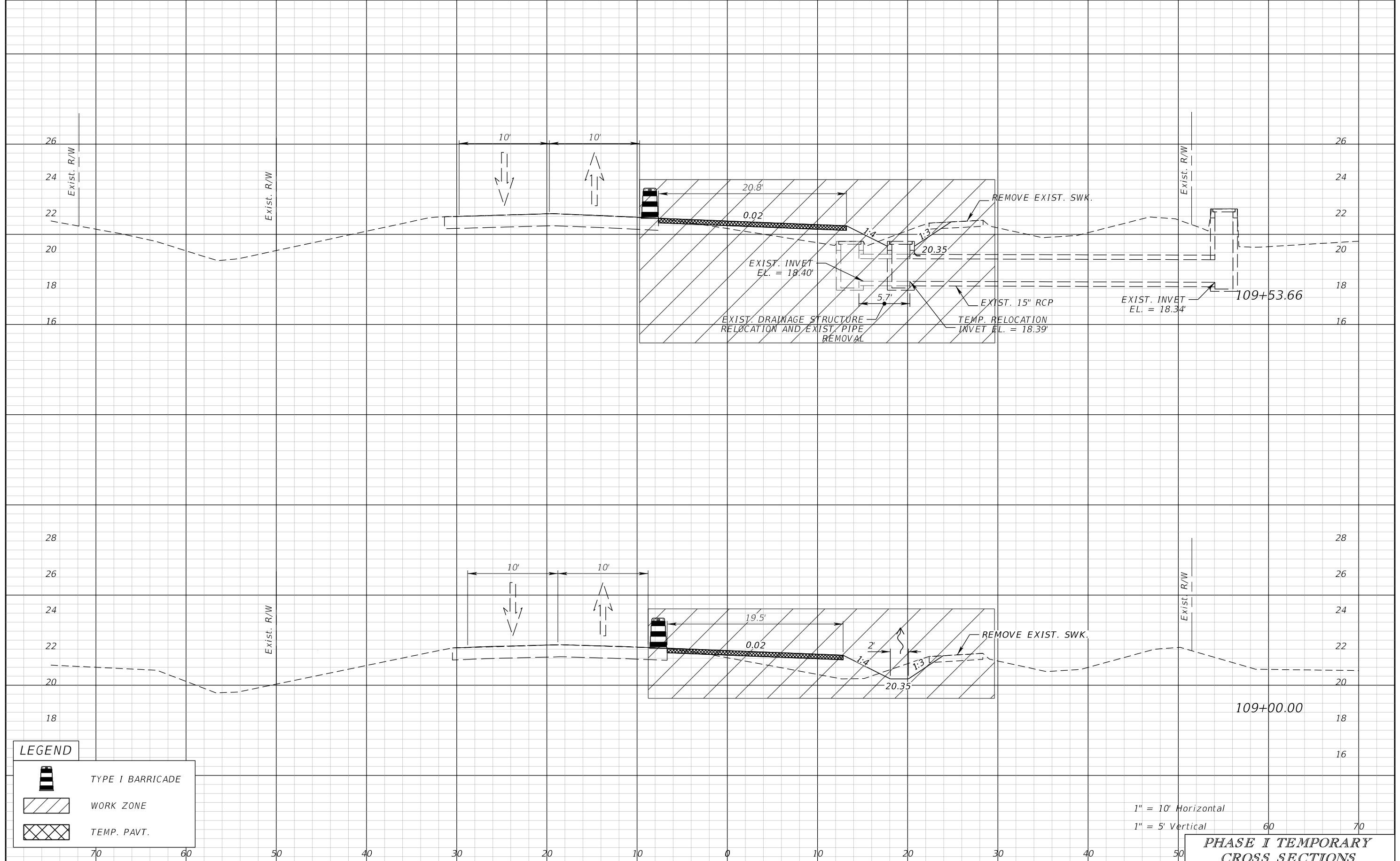
BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**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.





**LEGEND**

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

1" = 10' Horizontal  
 1" = 5' Vertical

**PHASE I TEMPORARY CROSS SECTIONS**

REVISIONS	
DATE	DESCRIPTION

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

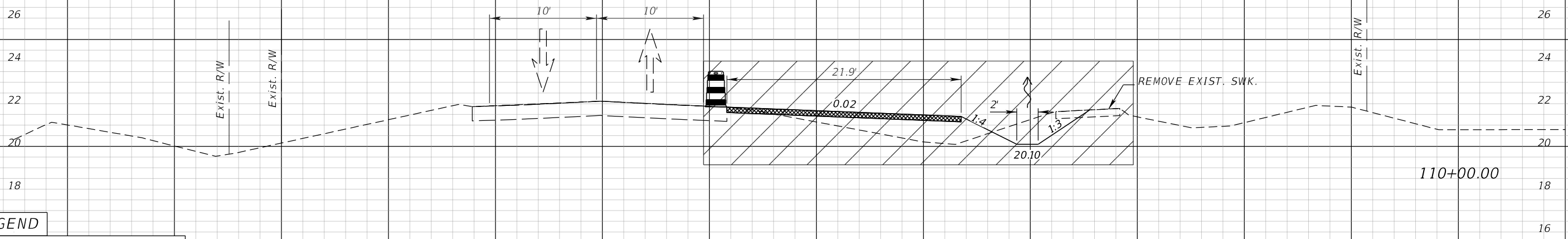
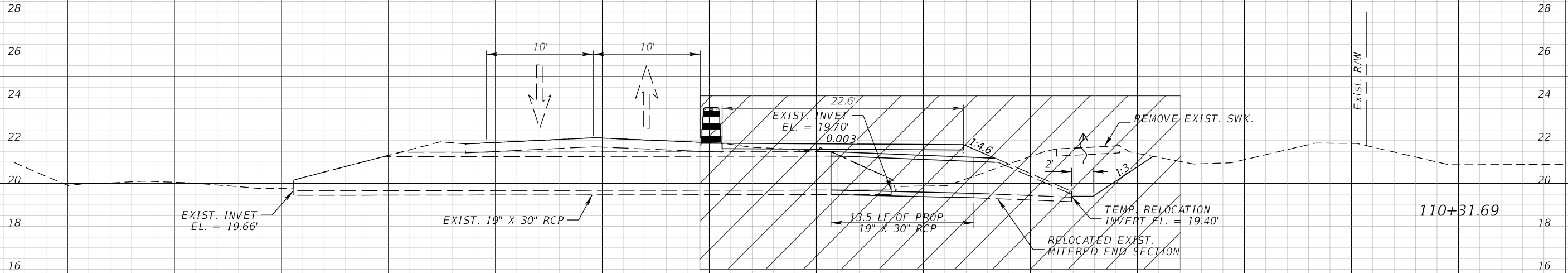


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**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.



LEGEND	
	TYPE I BARRICADE
	WORK ZONE
	TEMP. PAVT.

1" = 10' Horizontal  
 1" = 5' Vertical

**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

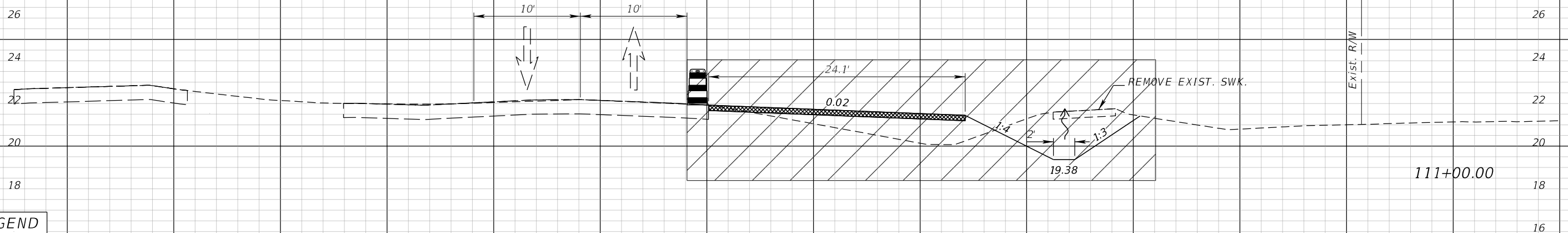
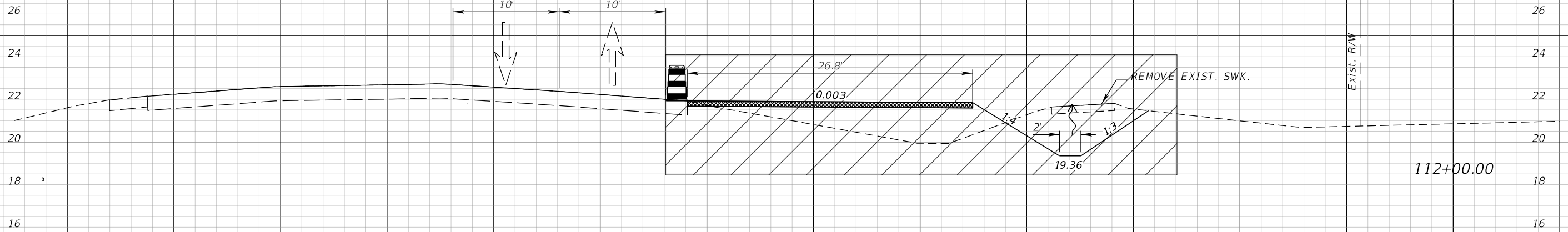


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**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.



LEGEND	
	TYPE I BARRICADE
	WORK ZONE
	TEMP. PAVT.

1" = 10' Horizontal  
 1" = 5' Vertical

**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

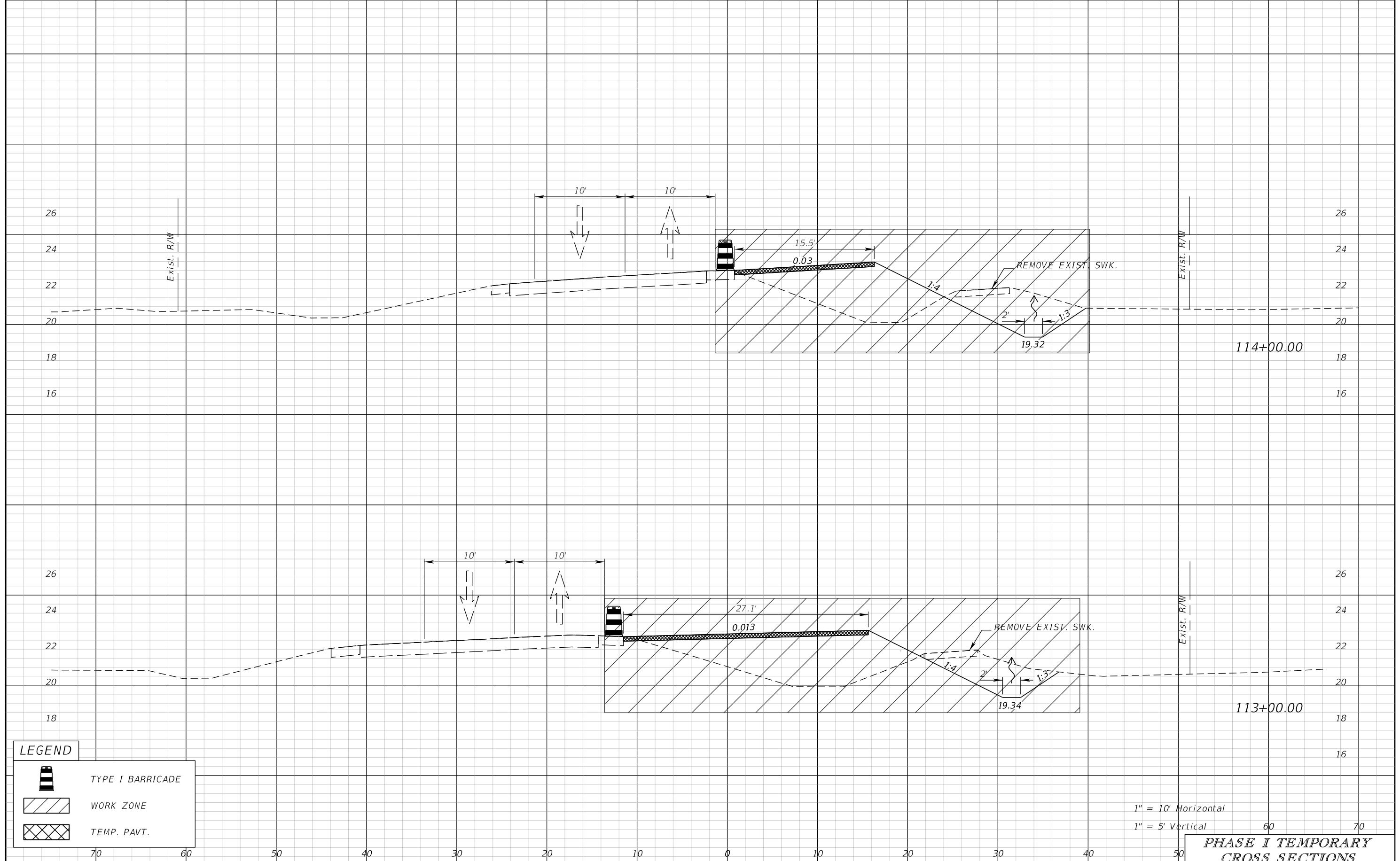


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01




**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.



**LEGEND**

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

1" = 10' Horizontal  
 1" = 5' Vertical

**PHASE I TEMPORARY CROSS SECTIONS**

REVISIONS	
DATE	DESCRIPTION

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

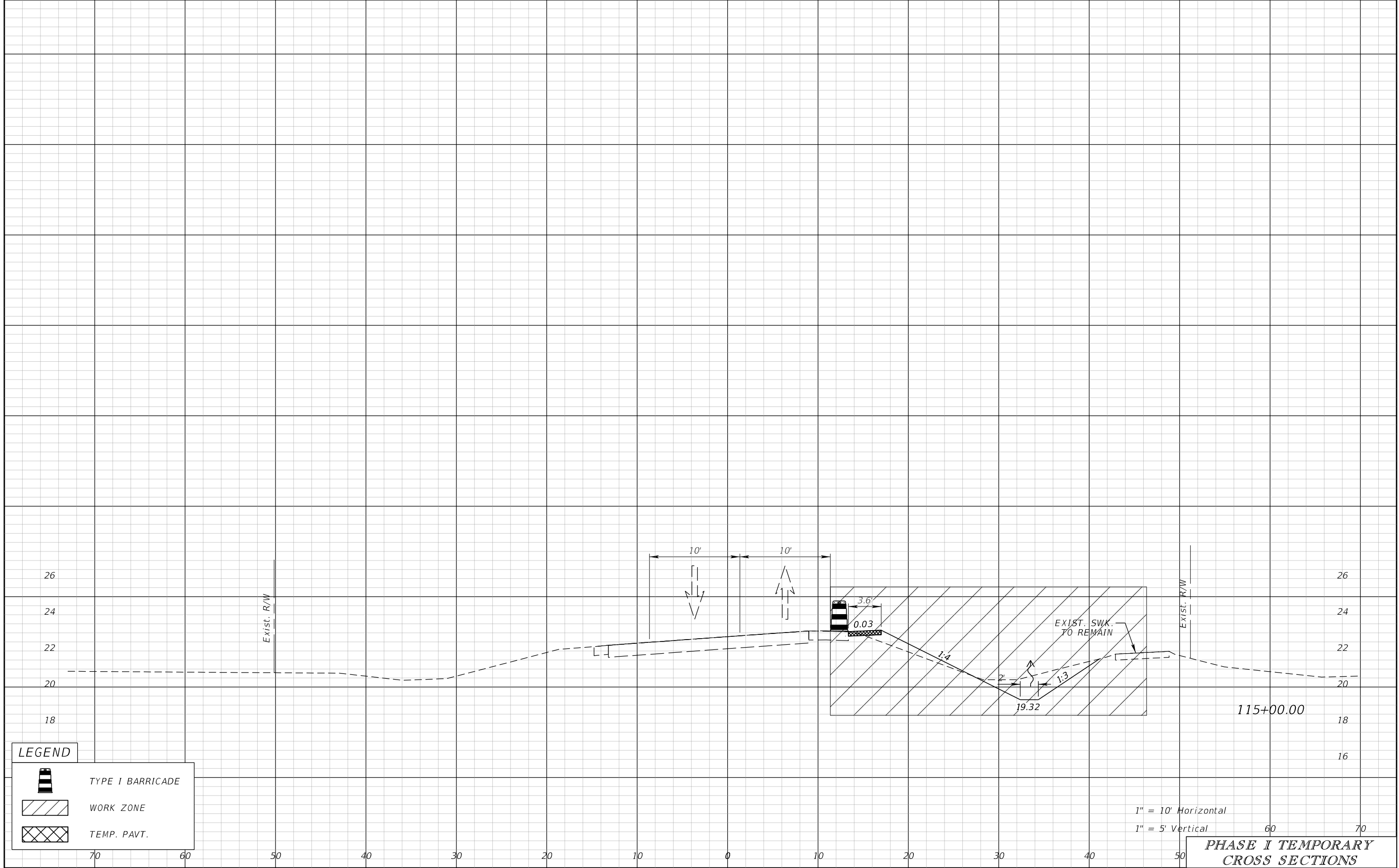


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**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.

1" = 10' Horizontal  
 1" = 5' Vertical

**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

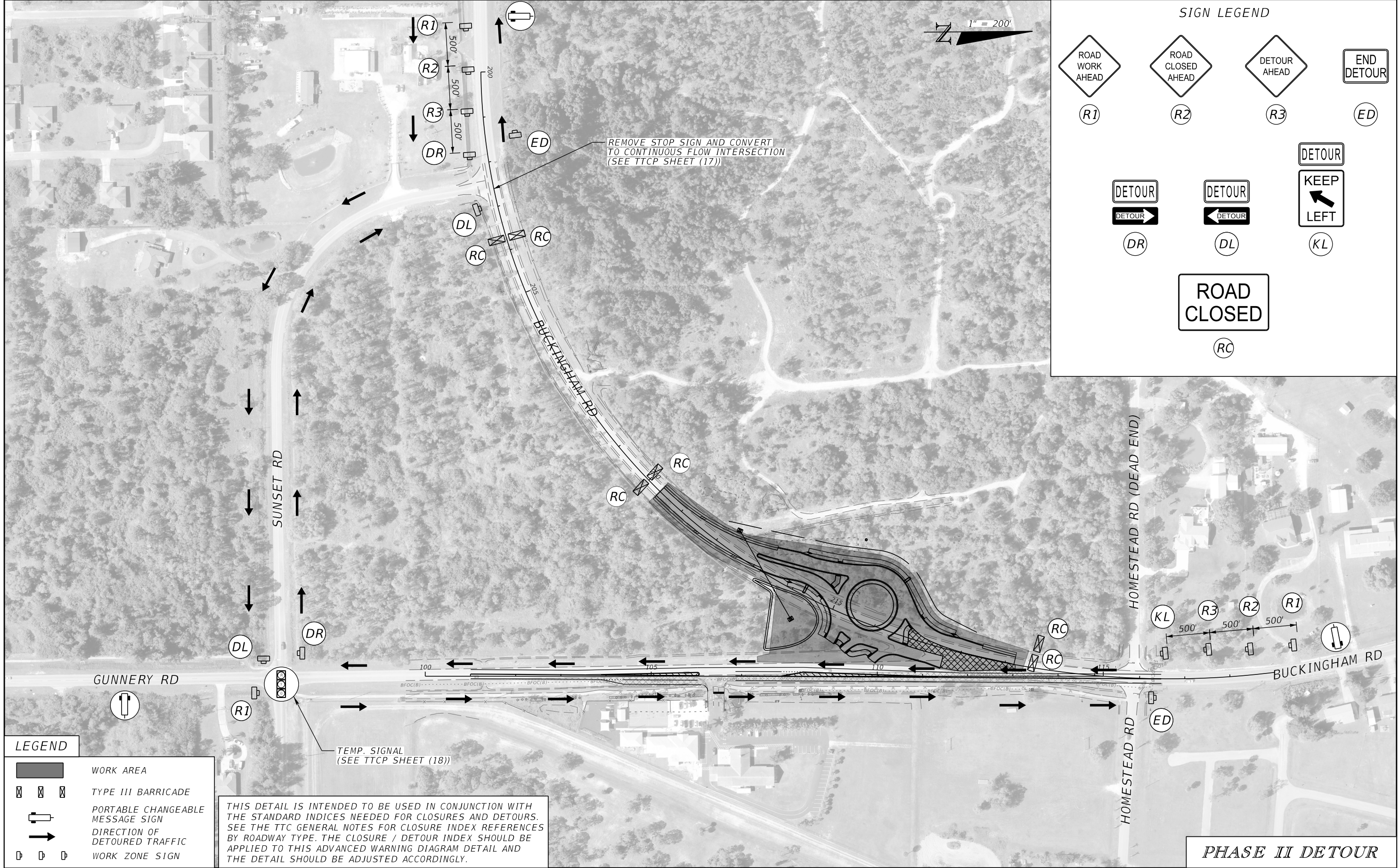


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TEMPORARY TRAFFIC CONTROL PLANS (14)**

SHEET NO.  
 87

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



**LEGEND**

- WORK AREA
- TYPE III BARRICADE
- PORTABLE CHANGEABLE MESSAGE SIGN
- DIRECTION OF DETOURED TRAFFIC
- WORK ZONE SIGN

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.

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



BUCKINGHAM RD & GUNNER RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

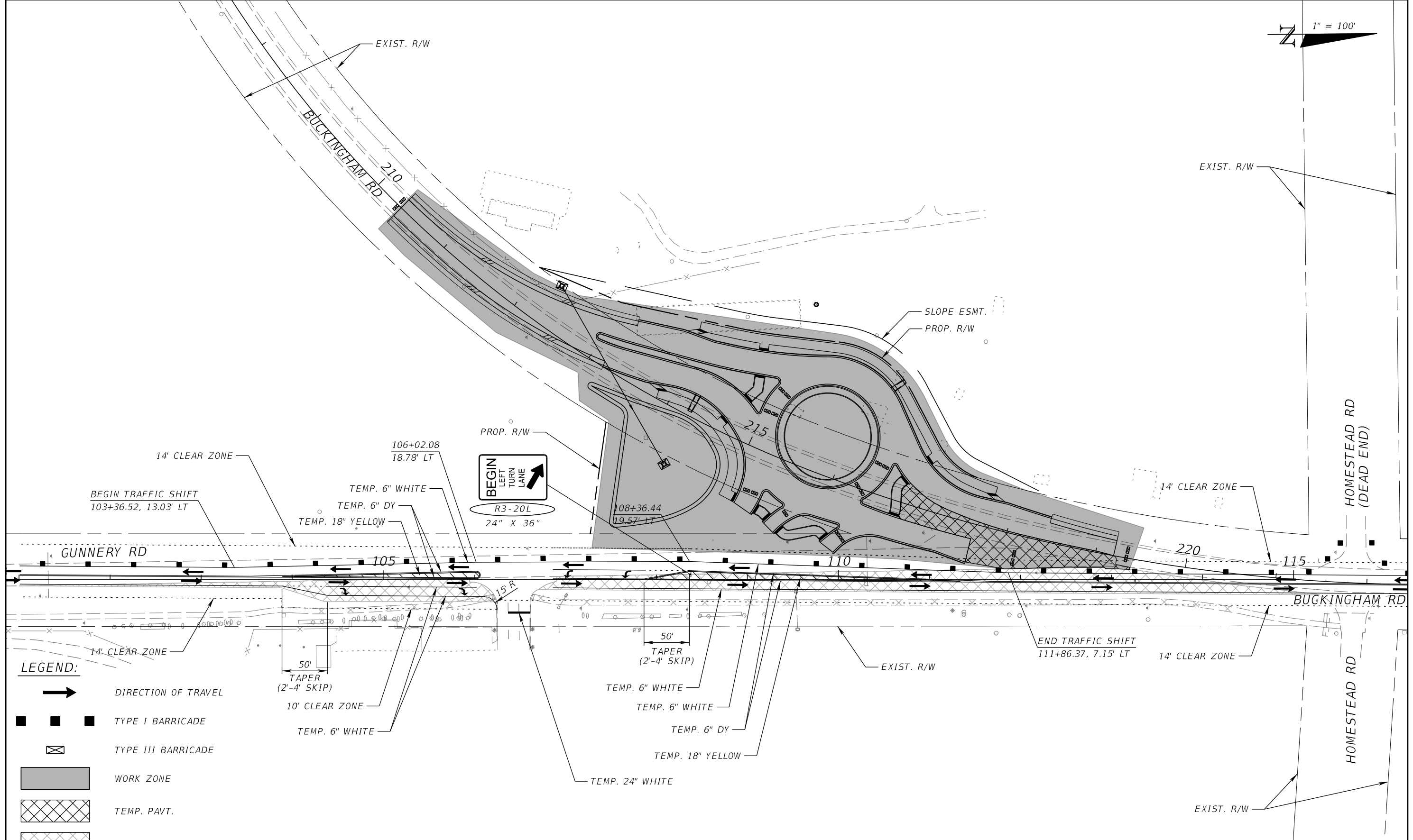
**TEMPORARY TRAFFIC CONTROL PLANS (15)**

SHEET NO.  
 88

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



1" = 100'



- LEGEND:**
- DIRECTION OF TRAVEL
  - TYPE I BARRICADE
  - TYPE III BARRICADE
  - WORK ZONE
  - TEMP. PAVT.
  - EXIST. TEMP. PAVT.

**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

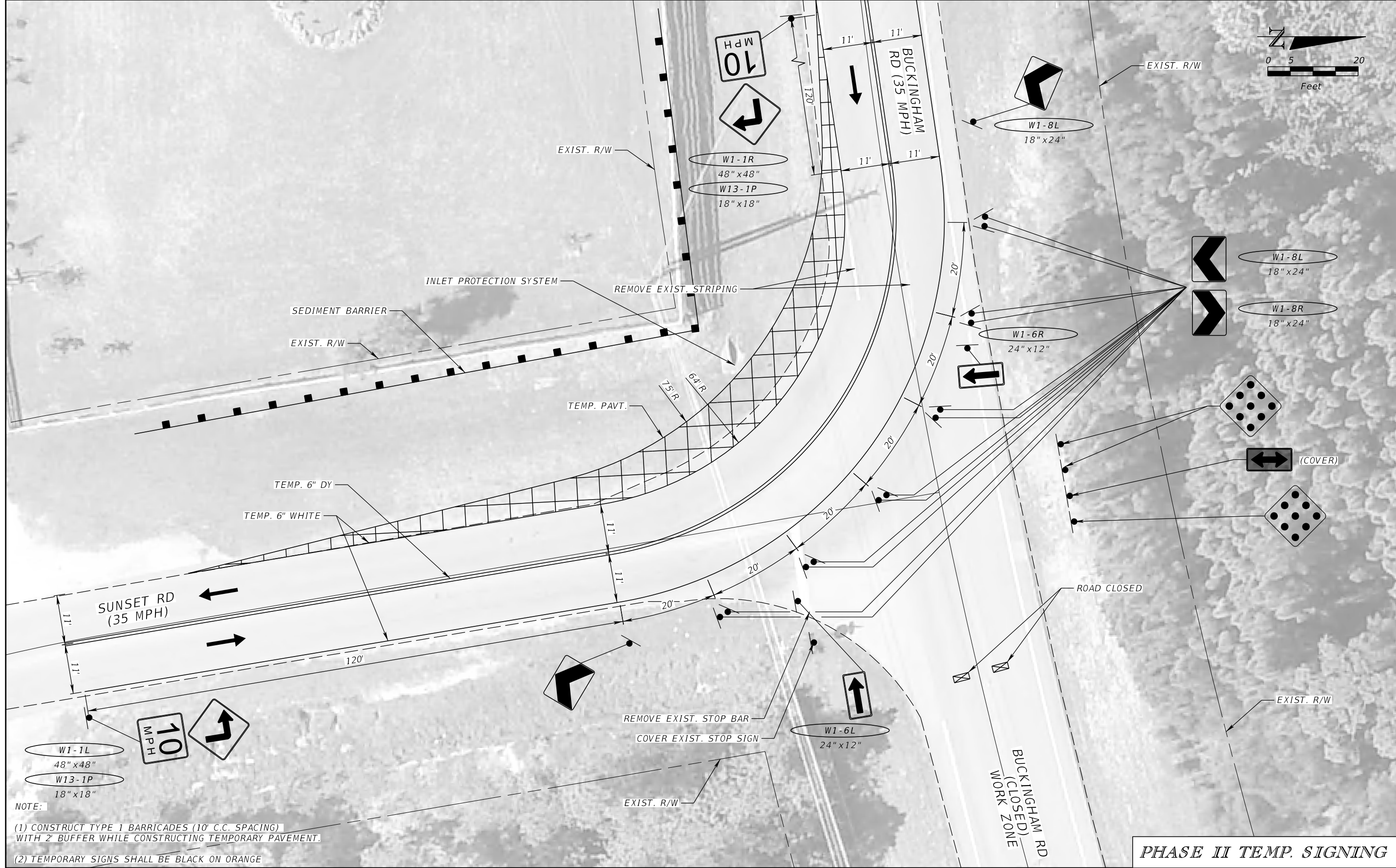


BUCKINGHAM RD & GUNNER RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TEMPORARY TRAFFIC  
 CONTROL PLANS (16)**

SHEET  
 NO.  
 89

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



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		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



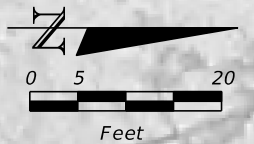
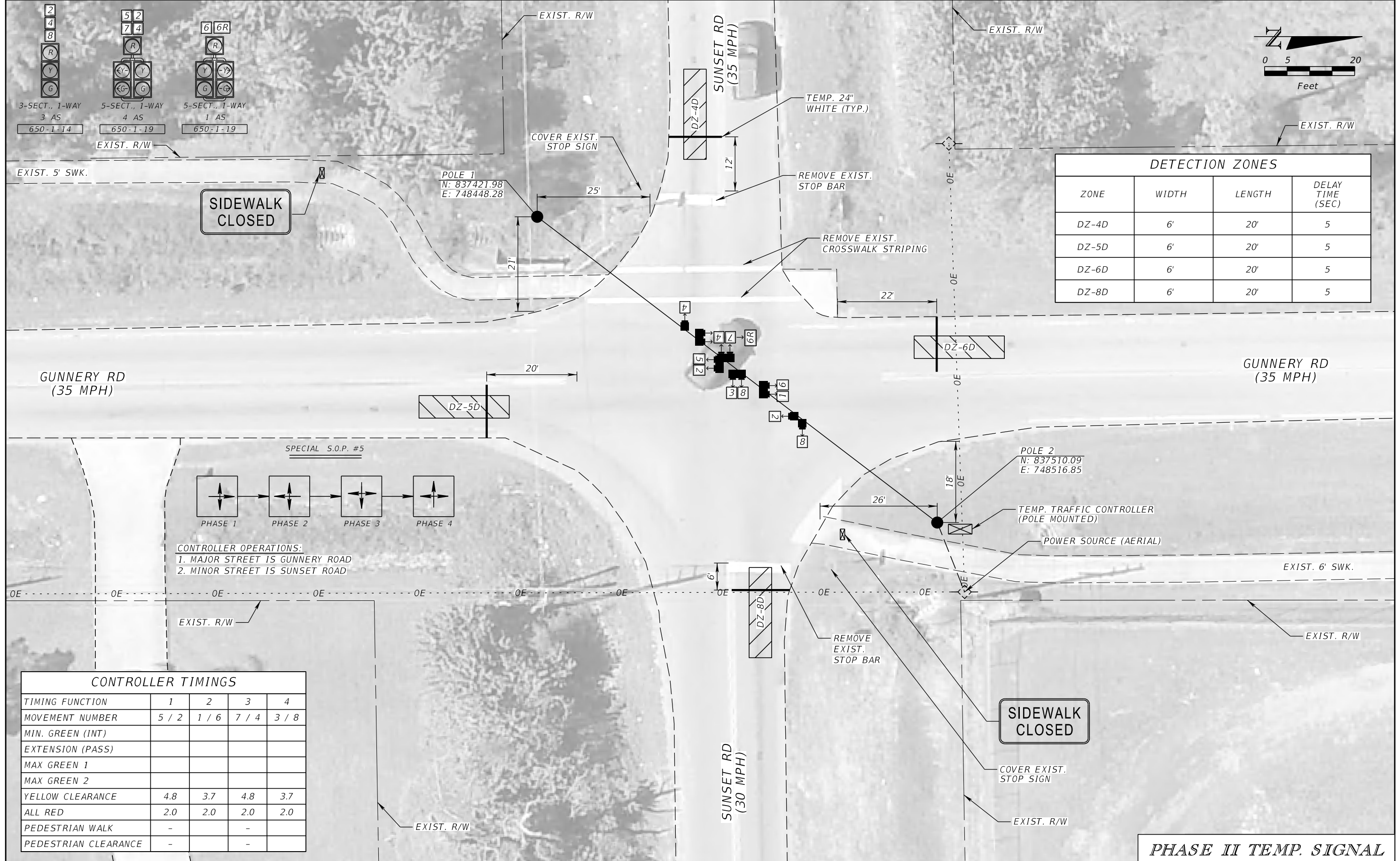
BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

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.

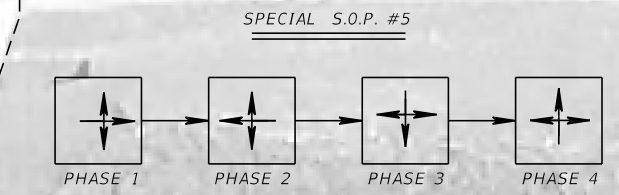




DETECTION ZONES			
ZONE	WIDTH	LENGTH	DELAY TIME (SEC)
DZ-4D	6'	20'	5
DZ-5D	6'	20'	5
DZ-6D	6'	20'	5
DZ-8D	6'	20'	5

**SIDEWALK CLOSED**

**SIDEWALK CLOSED**



- CONTROLLER OPERATIONS:**
1. MAJOR STREET IS GUNNERY ROAD
  2. MINOR STREET IS SUNSET ROAD

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	-	-	-	-

**PHASE II 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

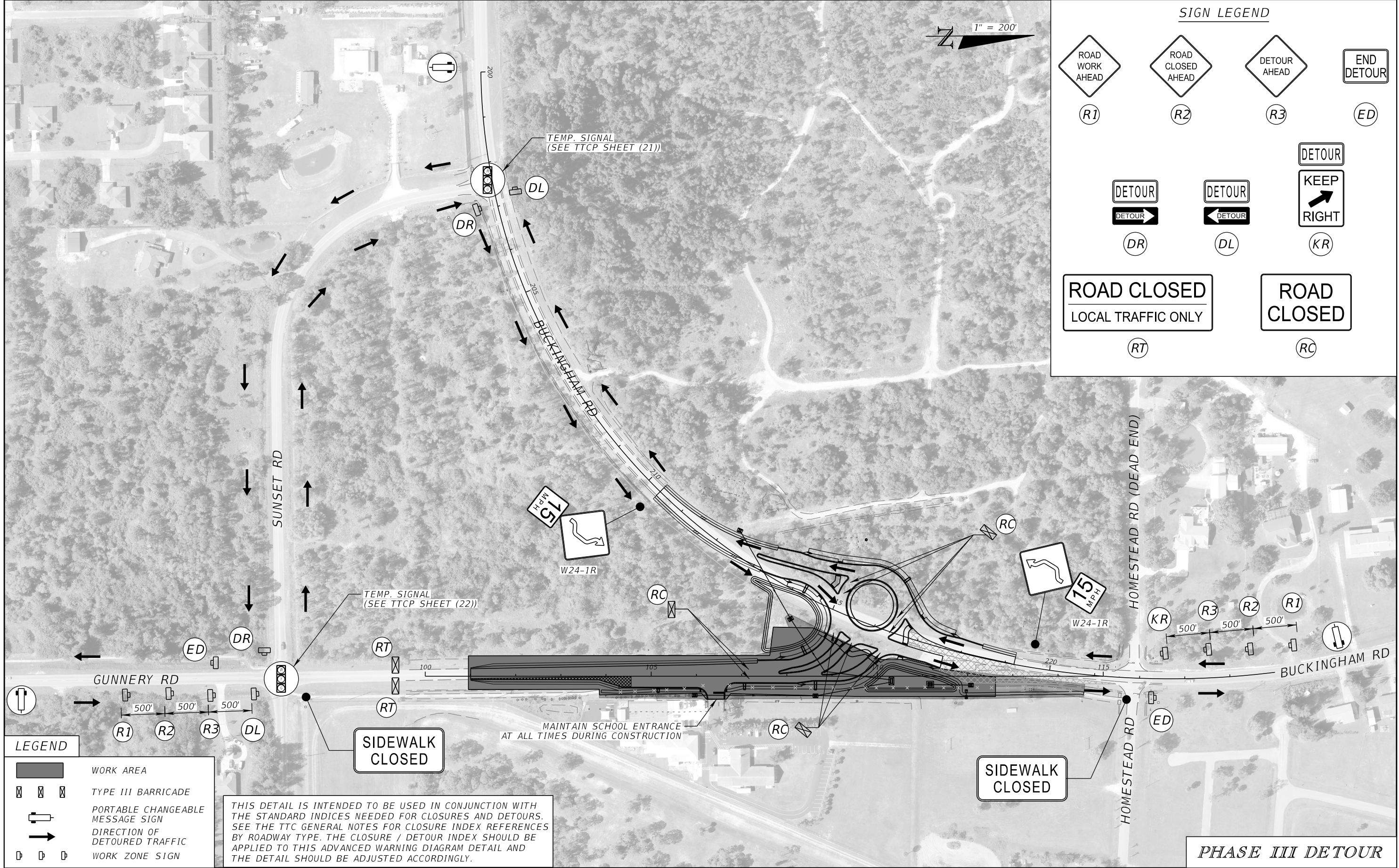


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TEMPORARY TRAFFIC CONTROL PLANS (18)**

SHEET NO.  
 91

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



**LEGEND**

- WORK AREA
- TYPE III BARRICADE
- PORTABLE CHANGEABLE MESSAGE SIGN
- DIRECTION OF DETOURED TRAFFIC
- WORK ZONE SIGN

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.

REVISIONS	
DATE	DESCRIPTION

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



BUCKINGHAM RD & GUNNER RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

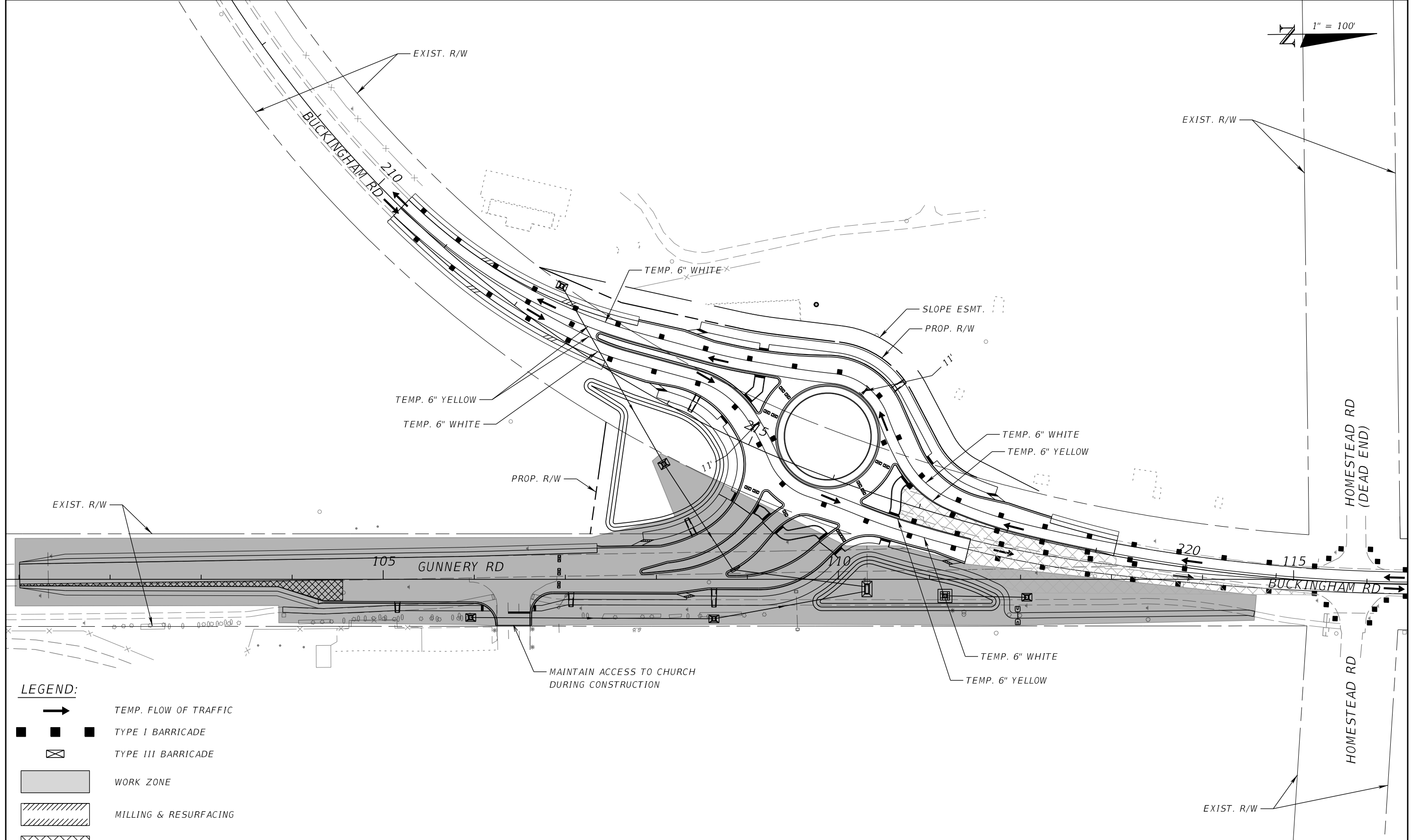
TEMPORARY TRAFFIC  
 CONTROL PLANS (19)

SHEET NO.  
 92

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



1" = 100'



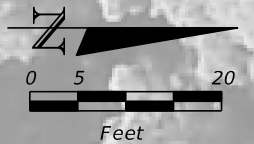
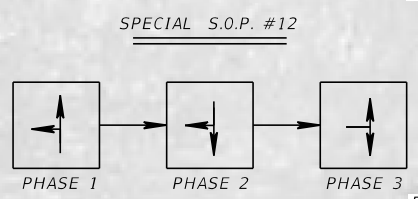
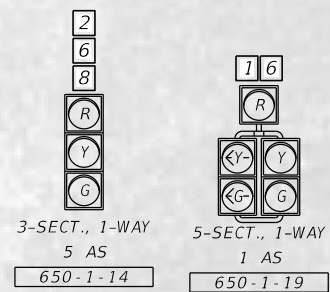
**LEGEND:**

- ➔ TEMP. FLOW OF TRAFFIC
- ■ ■ TYPE I BARRICADE
- ⊠ TYPE III BARRICADE
- ▒ WORK ZONE
- ▨ MILLING & RESURFACING
- ▩ WIDENING

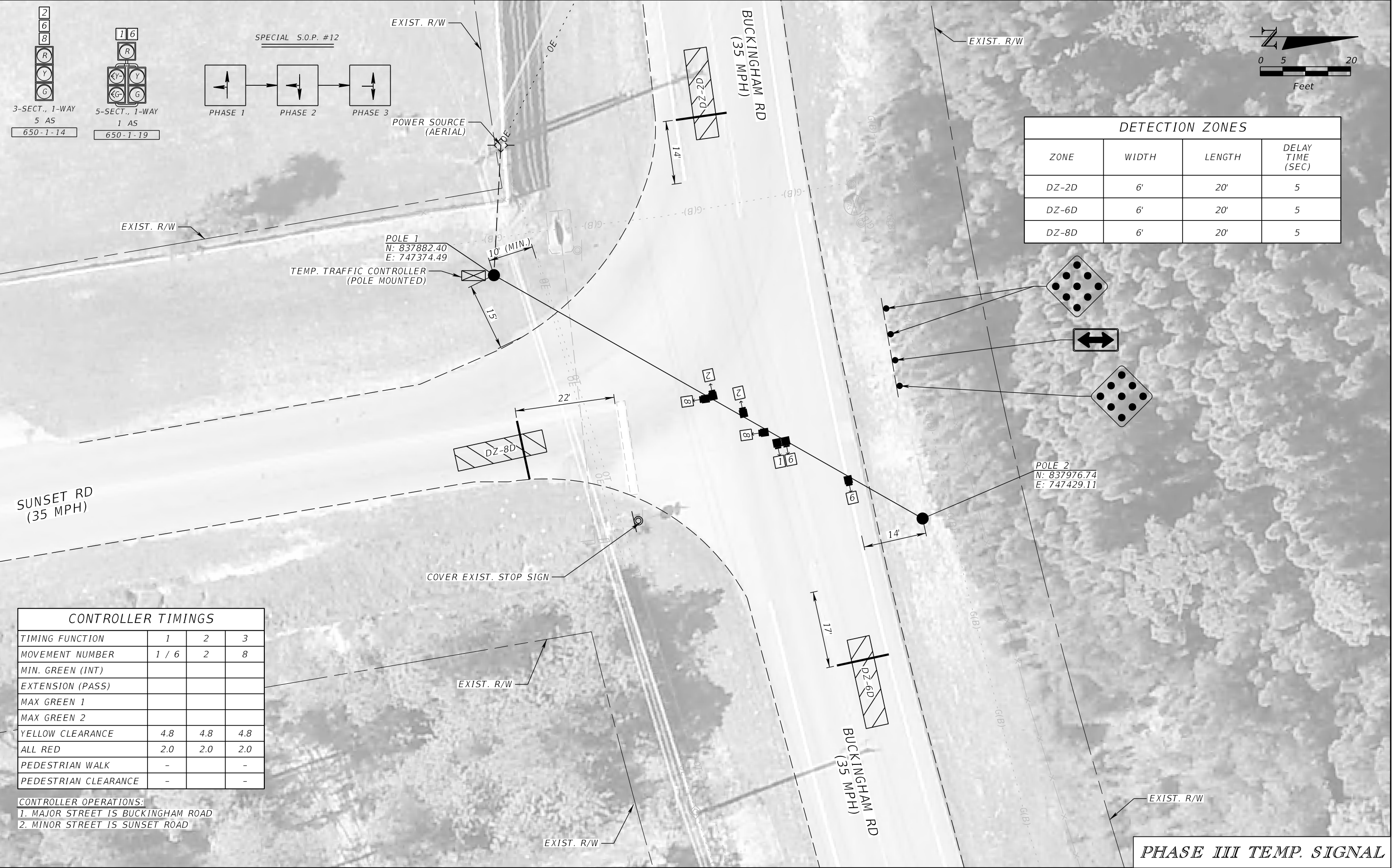
**PHASE III DETAILS**

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNER RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<b>TEMPORARY TRAFFIC                  CONTROL PLANS (20)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					93

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-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

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

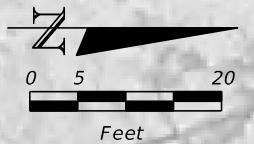
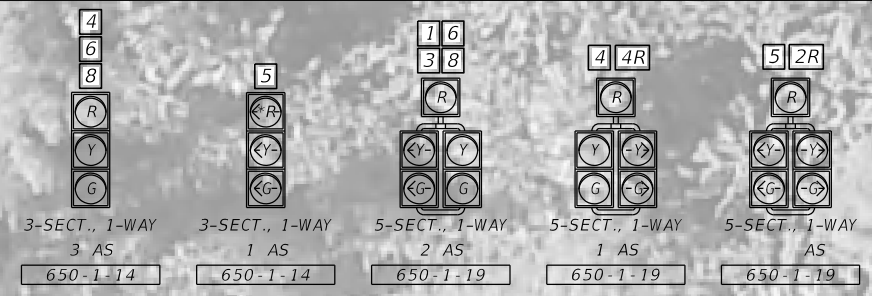


BUCKINGHAM RD & GUNNERY RD  
ROUNDABOUT  
FINANCIAL PROJECT ID  
442123-1-58-01

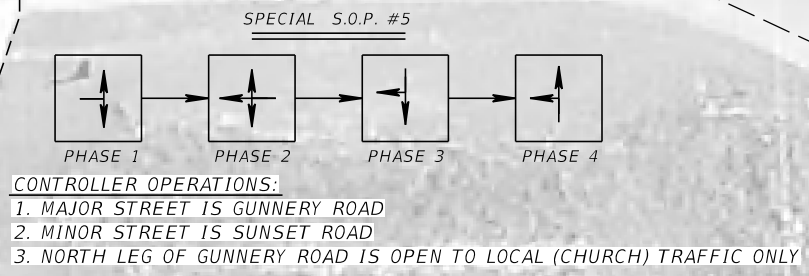
TEMPORARY TRAFFIC  
CONTROL PLANS (21)

SHEET NO.  
94

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 / 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



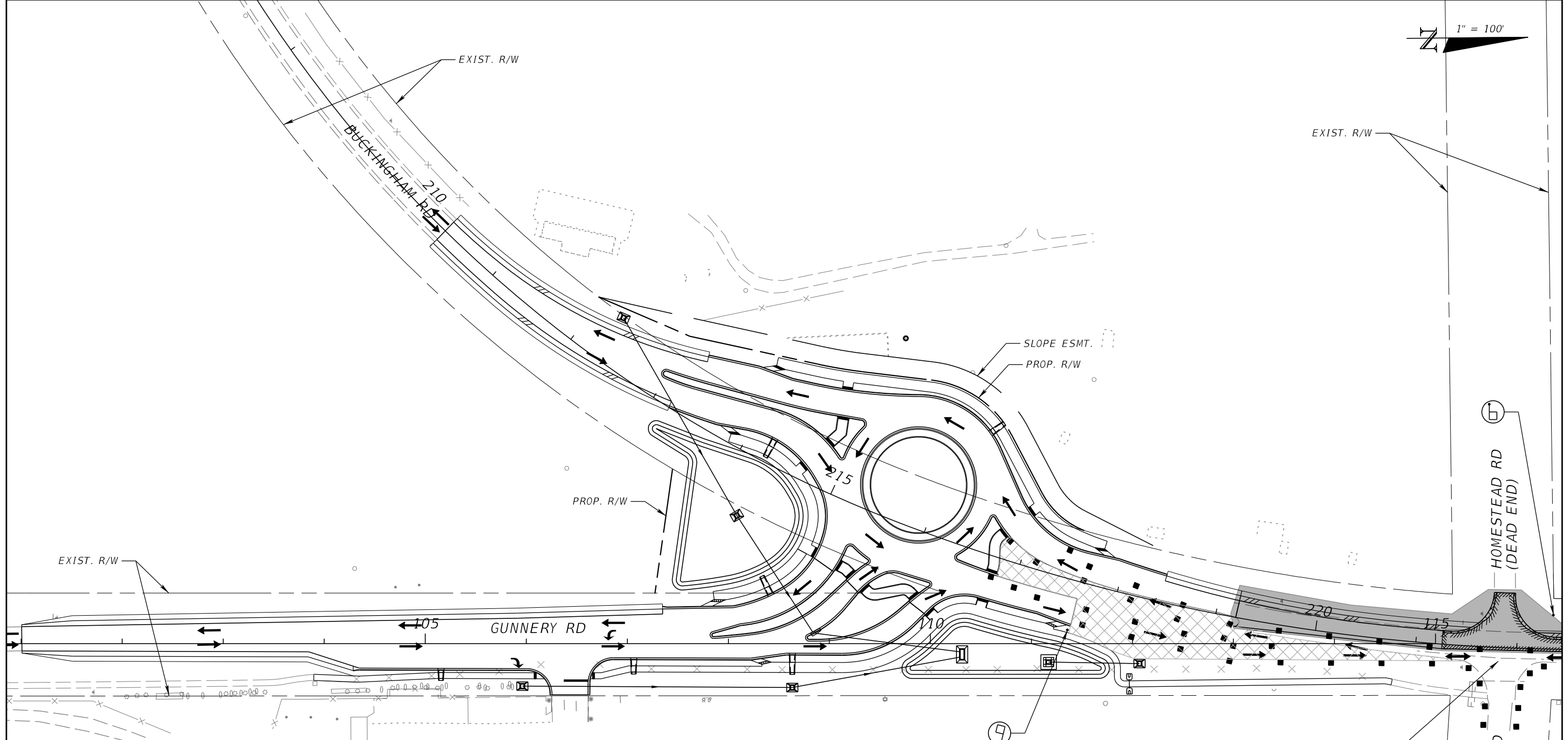
BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TEMPORARY TRAFFIC CONTROL PLANS (22)**







SHEET NO.  
 95

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

1" = 100'



**LEGEND:**

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

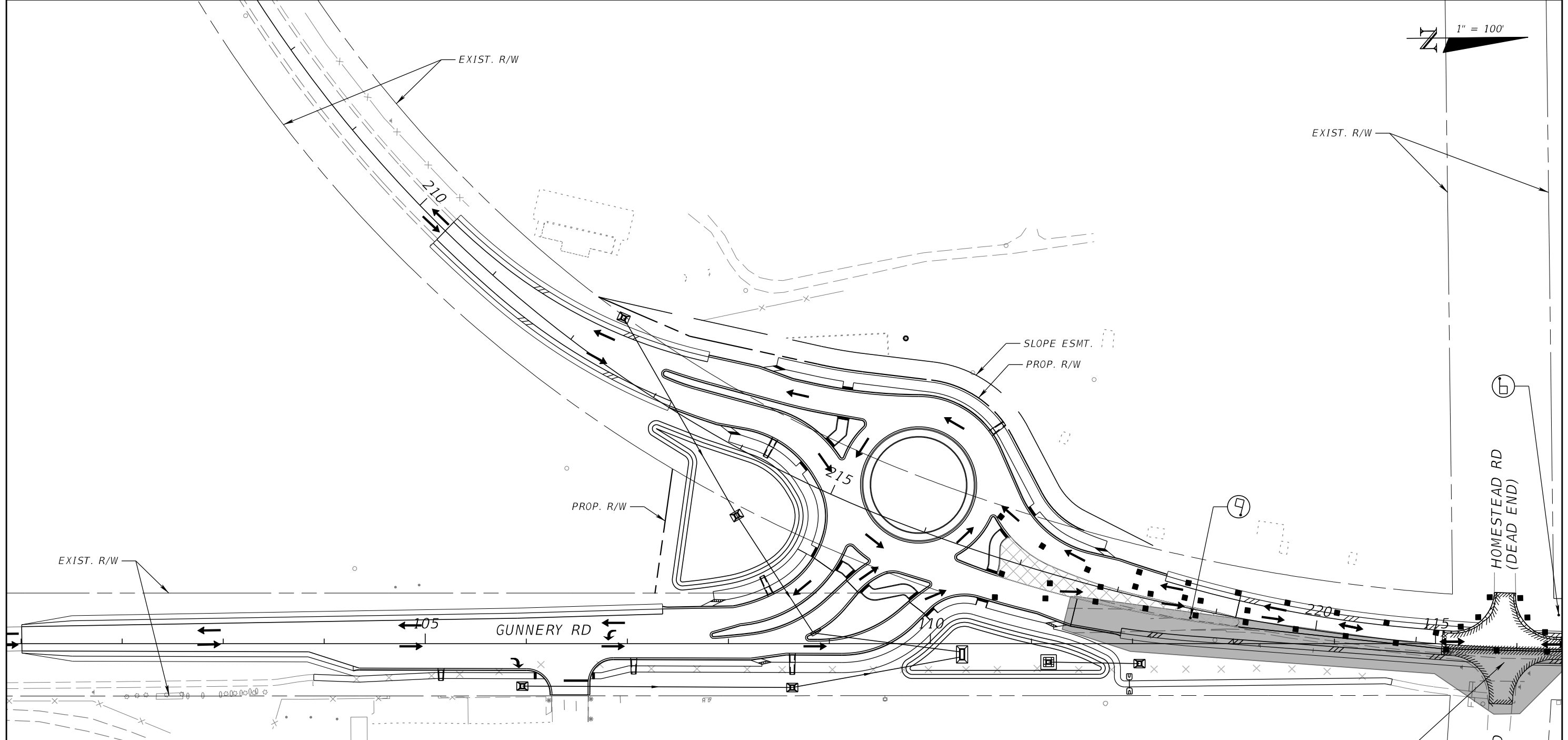
APPLY MUTCD TYPICAL APPLICATION 27 FOR ADVANCED WARNING LAYOUT SIGNS FOR FLAGGING OPERATION

**PHASE IV - STAGE I DETAILS**

REVISIONS		JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637			BUCKINGHAM RD & GUNNER RD ROUNDAABOUT		<b>TEMPORARY TRAFFIC CONTROL PLANS (23)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	442123-1-58-01		96

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

1" = 100'



EXIST. R/W

EXIST. R/W

EXIST. R/W

SLOPE ESMT.  
PROP. R/W

PROP. R/W

GUNTERY RD

HOMESTEAD RD  
(DEAD END)

HOMESTEAD RD

EXIST. R/W

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

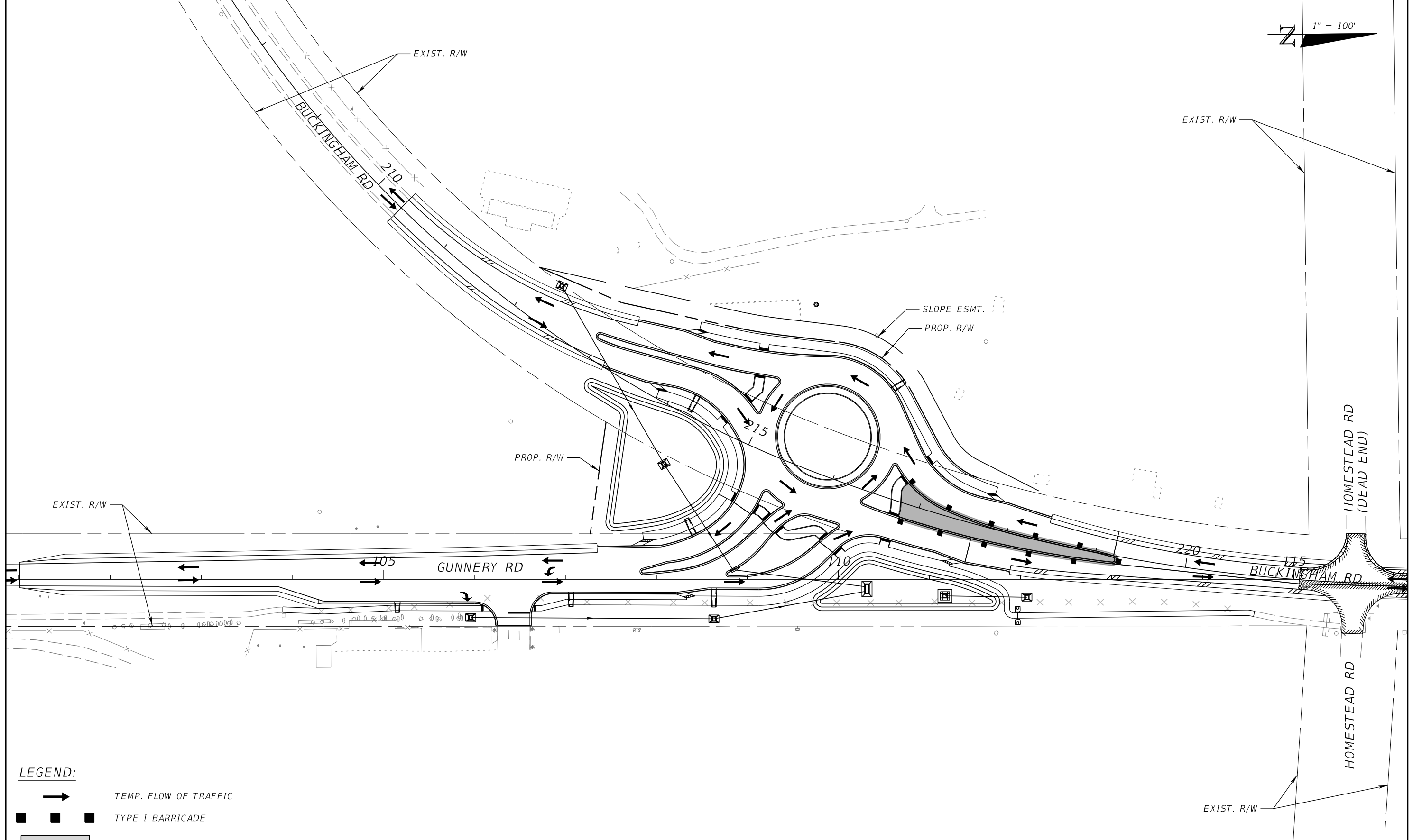
APPLY SPI 102-603 FOR ADVANCED WARNING  
LAYOUT SIGNS FOR FLAGGING OPERATION




**PHASE IV - STAGE II DETAILS**

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNTERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	TEMPORARY TRAFFIC CONTROL PLANS (24)	SHEET NO. 97
DATE	DESCRIPTION	DATE	DESCRIPTION					

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

1" = 100'



- LEGEND:**
-  TEMP. FLOW OF TRAFFIC
  -  TYPE I BARRICADE
  -  WORK ZONE

**PHASE IV - STAGE III DETAILS**

REVISIONS	
DATE	DESCRIPTION

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



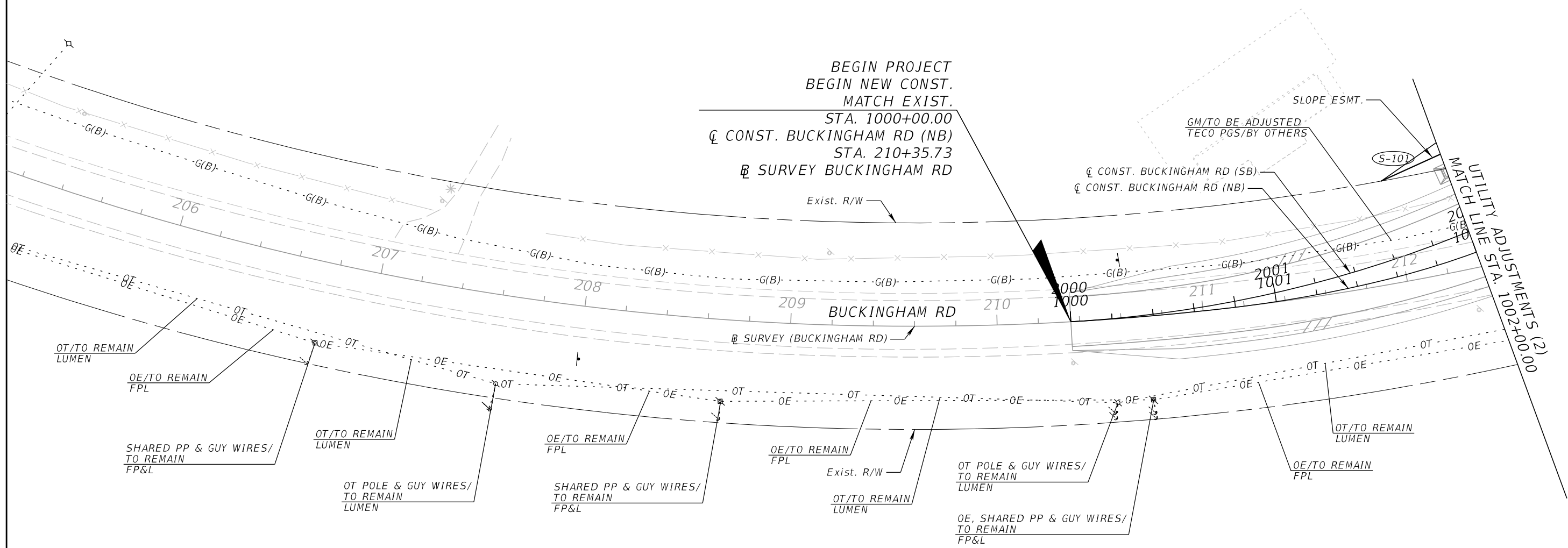
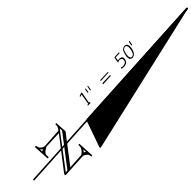
BUCKINGHAM RD & GUNNER RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**TEMPORARY TRAFFIC  
 CONTROL PLANS (25)**

SHEET  
 NO.  
 98

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

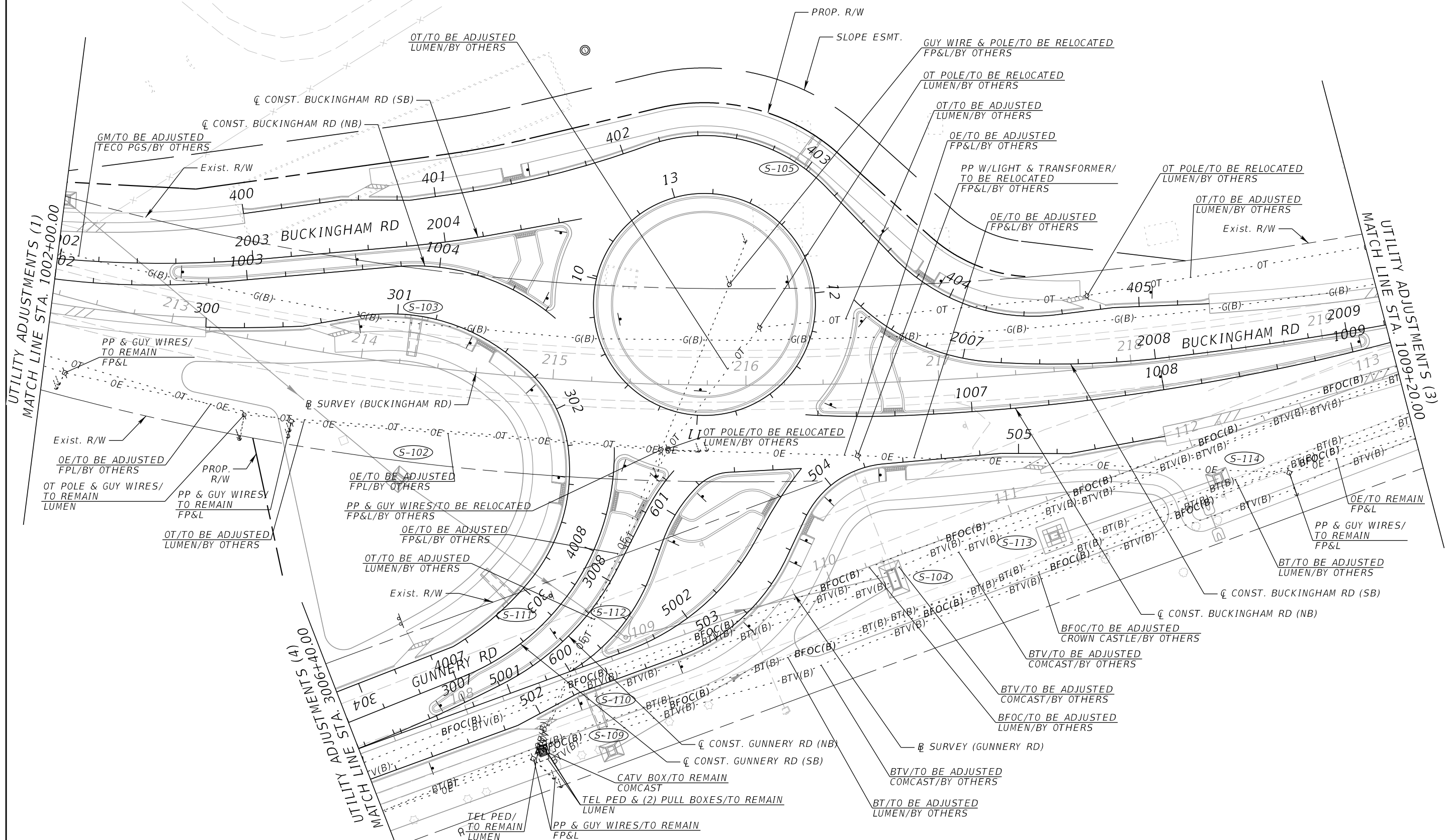
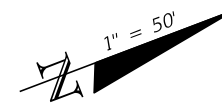


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**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

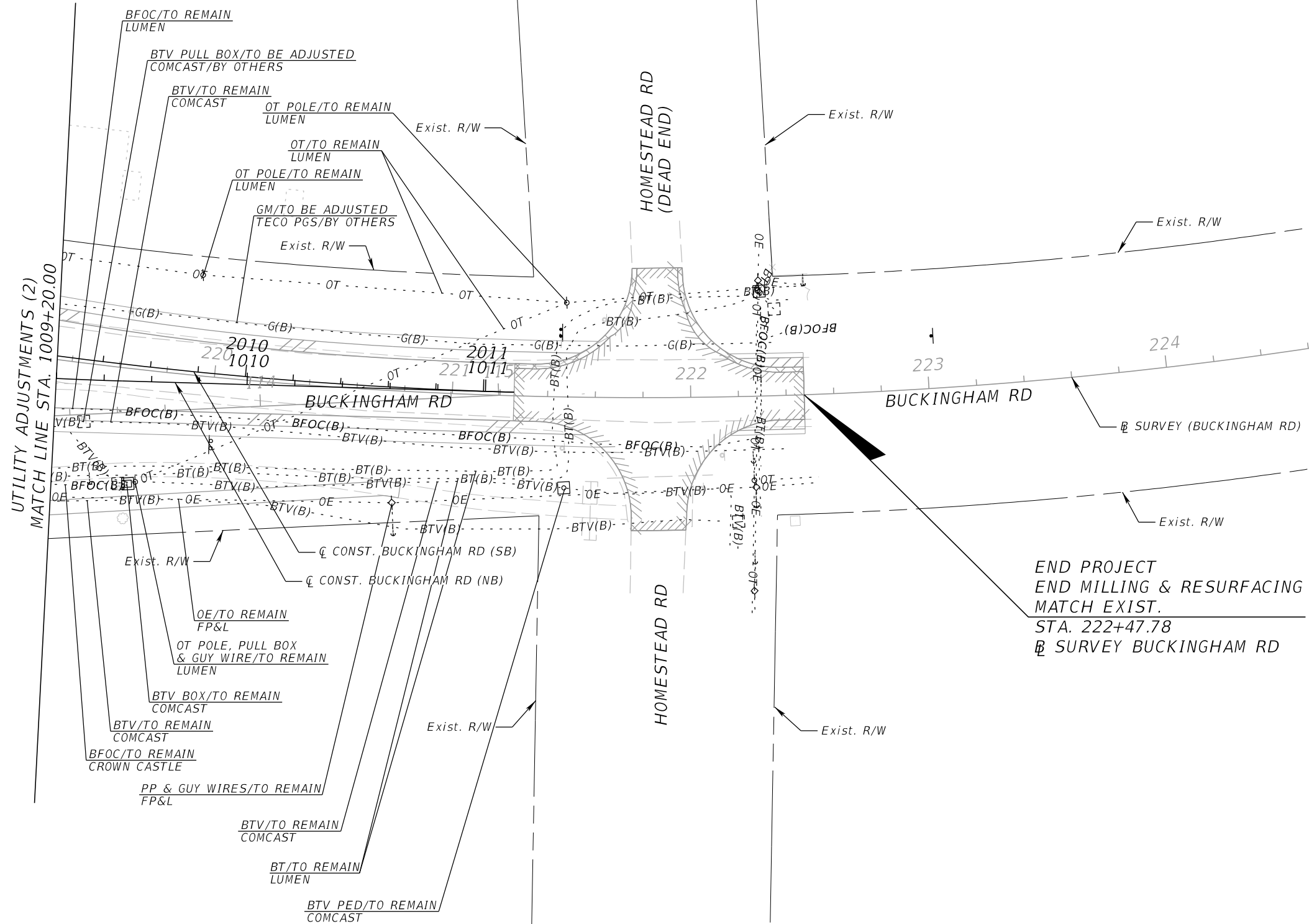


BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

**UTILITY ADJUSTMENTS (2)**  
**BUCKINGHAM RD**

SHEET NO.  
 100

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



END PROJECT  
 END MILLING & RESURFACING  
 MATCH EXIST.  
 STA. 222+47.78  
 SURVEY BUCKINGHAM RD

UTILITY ADJUSTMENTS (2)  
 MATCH LINE STA. 1009+20.00

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



BUCKINGHAM RD & GUNNERY RD  
 ROUNDABOUT  
 FINANCIAL PROJECT ID  
 442123-1-58-01

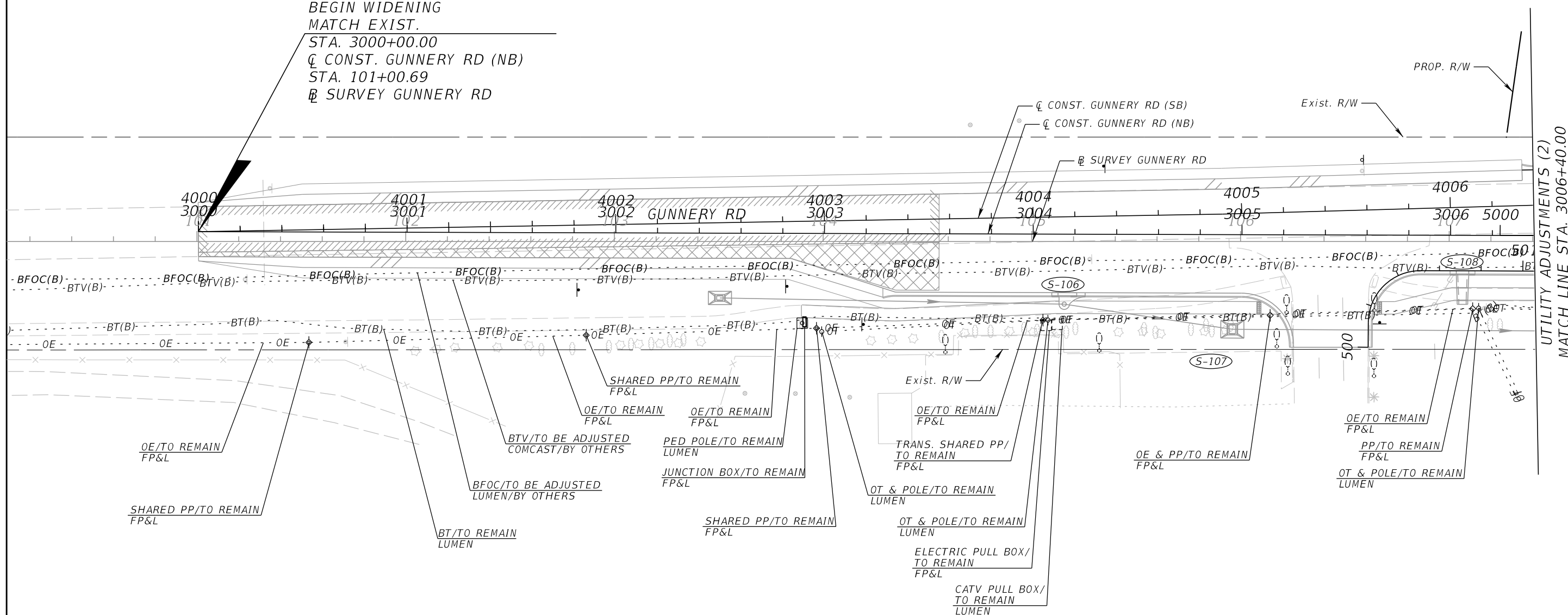
UTILITY ADJUSTMENTS (3)  
 BUCKINGHAM RD

SHEET NO.  
 101

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

BEGIN PROJECT  
 BEGIN MILLING & RESURFACING  
 BEGIN WIDENING  
 MATCH EXIST.

STA. 3000+00.00  
 CL CONST. GUNNERY RD (NB)  
 STA. 101+00.69  
 SURVEY GUNNERY RD



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

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



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
- SQ-2 SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES  
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		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
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		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
		0104 10 3		0104 18			
		LF		EA			
		P	F	P	F		
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				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					

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	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	CONSTRUCTION REMARKS
					0107 1				0107 2					
	CYCLES				AREA		CYCLES	AREA						
					AC/ CYCLE	TOTAL (AC)		AC/ CYCLE	TOTAL (AC)					
STA. TO STA.	P	F	P	F	P	F								
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			
TOTAL:											49.59			


SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS											
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
						P	F	P	F		
		STA. TO STA.			AREA (AC)						
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		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120 1	REGULAR EXAVATION	7954.6			
0120 6	EMBANKMENT	708.0			

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDAABOUT FINANCIAL PROJECT ID 442123-1-58-01	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					SQ-2

**SUMMARY OF PAVEMENT**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.			P	F	P	F		
		0160 4			TYPE B STABILIZATION	210+28.54 to 221+77.34	LT/RT	SY		
		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			

<p align="center"><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<p><b>SUMMARY OF QUANTITIES</b></p>	SHEET NO. SQ-3
DATE	DESCRIPTION	DATE	DESCRIPTION													

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

SUMMARY OF SIDE DRAIN & MITERED END SECTIONS							
LOCATION	SIDE	PIPE LENGTH - LF		MES (1:2) - EA		DESIGN NOTES	CONSTRUCTION REMARKS
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				MATTHEW R. IVIE P.E. LICENSE NUMBER 86205 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			FINANCIAL PROJECT ID		SQ-4
						442123-1-58-01		

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



**SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				P	F	P	F		
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			

<p align="center"><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<p align="center"><b>SUMMARY OF QUANTITIES</b></p>	SHEET NO. SQ-5
DATE	DESCRIPTION	DATE	DESCRIPTION													

**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION STA. TO STA.	SIDE	CONC SIDEWALK 6"		DETECTABLE WARNINGS		DIRECTIONAL INDICATOR		DESIGN NOTES	CONSTRUCTION REMARKS
		0522 2		0527 2		0919528			
		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			

<p align="center"><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	<p align="center"><b>SUMMARY OF QUANTITIES</b></p>	SHEET NO. SQ-6
DATE	DESCRIPTION	DATE	DESCRIPTION													

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

