CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
LIGHTING PLANS

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)
LEE COUNTY PROJECT NO. 200672

INDEX OF ROADWAY PLANS

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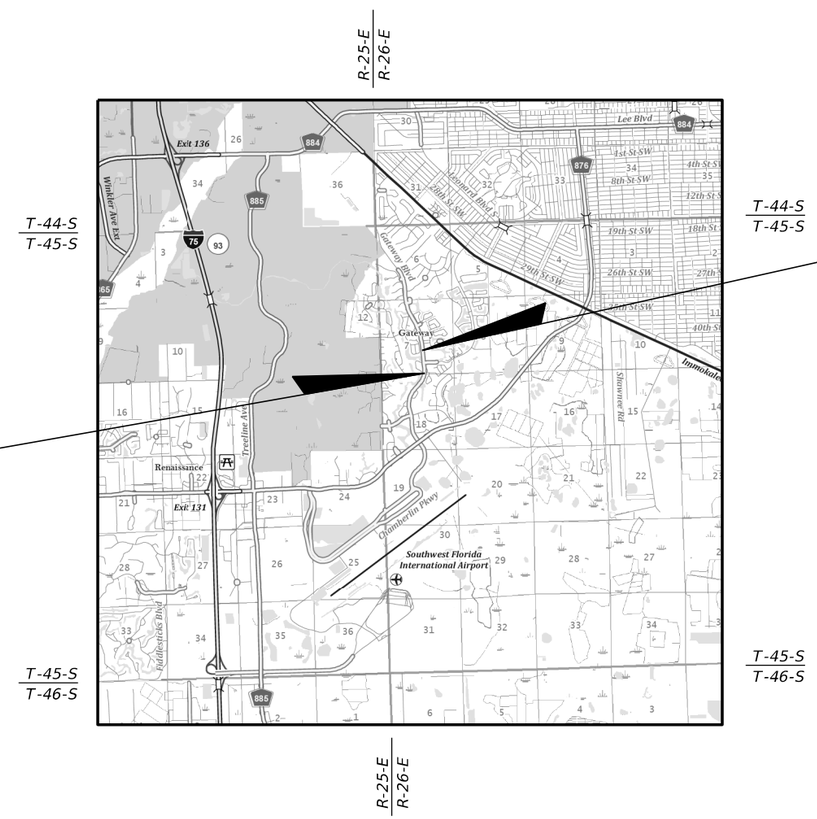
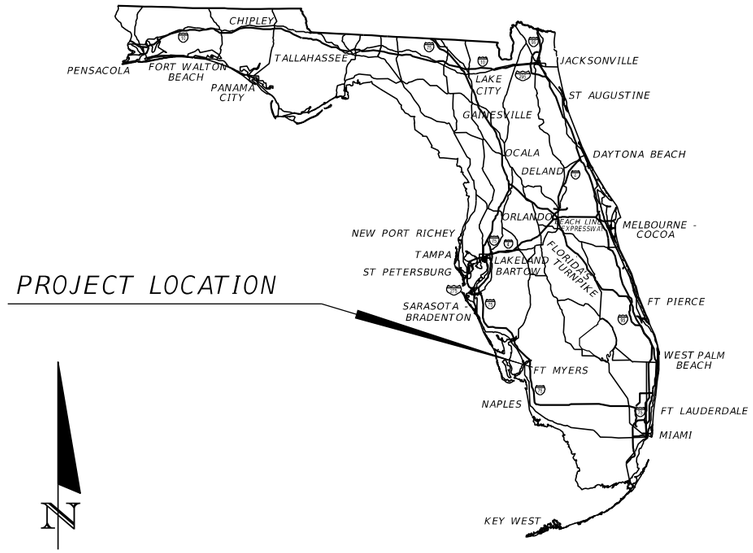
SQ-1 - SQ-9	SUMMARY OF QUANTITIES



BEGIN PROJECT
GATEWAY BLVD.
℄ SURVEY
STA. 145+78.67

END PROJECT
GATEWAY BLVD.
℄ SURVEY
STA. 153+43.55



60% PLANS
MARCH 2019
(NOT FOR CONSTRUCTION)

ROADWAY PLANS ENGINEER OF RECORD:

JASON Y. YAM, P.E.
P.E. NO.: 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 33759
(727) 531-3505
CERTIFICATE OF AUTHORIZATION NO.: 29915

COUNTY PROJECT MANAGER:

Alejandro J. Slaibe, P.E.

GOVERNING STANDARD PLANS:

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

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

APPLICABLE IRs: N/A

GOVERNING STANDARD SPECIFICATIONS:

Lee County Department of Transportation Specifications, and
Florida Department of Transportation, JULY2020 Standard Specifications for Road and Bridge Construction at the following website:
http://www.fdot.gov/programmanagement/Implemented/SpecBooks

CIP NO.	FISCAL YEAR	SHEET NO.
200672	20	1

JASON Y. YAM
LICENSE
No 62449
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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CARDNO
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 33759
PHONE NUMBER: (727) 531-3505
CERTIFICATE OF AUTHORIZATION NO. 29915
JASON Y. YAM, P.E. 62449

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
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SQ-1 - SQ-9	SUMMARY OF QUANTITIES

CHRISTOPHER J. KNOX
LICENSE
No 67350
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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CLEARWATER, FL 33759
PHONE NUMBER: (727) 531-3505
CERTIFICATE OF AUTHORIZATION NO. 29915
CHRISTOPHER J. KNOX, P.E. 67350

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SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
10	SUMMARY OF DRAINAGE STRUCTURES
27-28	DRAINAGE STRUCTURES
48-51	EROSION CONTROL

KEVIN H. SCOTT
LICENSE
No 65514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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TIERRA
7351 TEMPLE TERRACE HIGHWAY
TAMPA, FL 33637
PHONE NUMBER: (727) 531-3505
CERTIFICATE OF AUTHORIZATION NO. 6486
KEVIN H. SCOTT, P.E. 65514

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

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

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SIGNATURE SHEET

COUNTY PROJECT NO. 200672

SHT. NO. 2

SUMMARY OF ROADWAY

PAY ITEM	DESCRIPTION	UNITS	QTY
0101-1	MOBILIZATION	LS	1
0102-1	MAINTENANCE OF TRAFFIC	LS/DA	365
0104-10-3	SEDIMENT BARRIER	LF	4770
0104-12	STAKED TURBIDITY BARRIER - NYLON REINFORCED PVC	LF	42
0104-15	SOIL TRACKING PREVENTION DEVICE	EA	4
0104-18	INLET PROTECTION SYSTEM	EA	16
0107-1	LITTER REMOVAL	AC	62
0107-2	MOWING	AC	62
0110- 1- 1	CLEARING & GRUBBING	LS/AC	1
0110 4	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	619
0110-7-1	MAILBOX, SINGLE, F&I	EA	1
0120 1	REGULAR EXCAVATION	CY	2600
0120 6	EMBANKMENT	CY	1200
0160-4	TYPE B STABILIZATION	SY	6835
0285-709	OPTIONAL BASE GROUP 9	SY	5432
0327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	8604
0334-1-13	SUPERPAVE ASPHALT CONC, TRAFFIC LEVEL C (2.5")	TN	750
0337-7-82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG76-22	TN	351
0350-30-13	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 12" DEPTH	SY	309
0425-1-351	INLETS, CURB, TYPE P-5, < 10'	EA	1
0425-1-361	INLETS, CURB, TYPE P-6, < 10'	EA	1
0425-1-521	INLETS, DITCH BOTTOM, TYPE C, <10'	EA	3
0425-1-523	INLETS, DITCH BOTTOM, TYPE C, J-BOT <10'	EA	1
0425-1-910	INLETS, CLOSED FLUME	EA	1
0430-175-118	PIPE CULVERT, CONCRETE, ROUND 18" ID	LF	377
0430-175-124	PIPE CULVERT, CONCRETE, ROUND 24" ID	LF	249
0430-175-130	PIPE CULVERT, CONCRETE, ROUND 30" ID	LF	4
0430-982-625	MITERED END SECTION, CROSS DRAIN, 12"x18" ERCP	EA	5
0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF	2058
0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	2435
0520-2-4	CONCRETE CURB, TYPE D	LF	206
0520-2-8	CONCRETE CURB, TYPE RA	LF	278
0522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	2041
0524-1-1	CONCRETE DITCH PAVT, NR, 3"	SY	9
0527-2	DETECTABLE WARNINGS	SF	280
0570-1-2	PERFORMANCE TURF, SOD	SY	3460
0919-528	DIRECTIONAL INDICATORS	SF	192
***	ROOT BARRIER	LF	4470
0999-25	CONTINGENCY	LS	1

SUMMARY OF SIGNING AND PAVEMENT MARKINGS

PAY ITEM	DESCRIPTION	UNITS	QTY
654-2-21	RECTANGULAR RAPID FLASHING BEACON, F&I-SOLAR POWERED, COMPLETE SIGN ASSEMBLY- SINGLE DIRECTION	AS	14
654-2-22	RECTANGULAR RAPID FLASHING BEACON, F&I-SOLAR POWERED, COMPLETE SIGN ASSEMBLY- BACK TO BACK	AS	1
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	22
700-1-60	SINGLE POST SIGN, REMOVE	AS	2
700-2-11	MULTI POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	4
706-3	RETROREFLECTIVE PAVEMENT MARKERS (RPMs)	EA	103
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	53
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	582
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.013
711-11-144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED GUIDELINE, 12" FOR ROUNDABOUT	GM	0.039
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	90
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 6-10 DOTTED EXTENSION LINE, 6"	GM	0.047
711-14-123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12" FOR CROSSWALK	LF	340
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	340
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	6
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	13
711-16-101	THERMOPLASTIC, STANDARD, OTHER SURFACES, WHITE, SOLID, 6"	GM	0.530
711-16-102	THERMOPLASTIC, STANDARD, OTHER SURFACES, WHITE, SOLID, 8"	GM	0.241
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM	0.062
711-16-201	THERMOPLASTIC, STANDARD, OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.378

SUMMARY OF LIGHTING

PAY ITEM	DESCRIPTION	UNITS	QTY
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	385
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1890
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	23
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO 8 TO NO 6	LF	7107
715-4-12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	23
715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	4
715-7-21	LOAD CENTER, REWORK, SECONDARY VOLTAGE	EA	1
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	23

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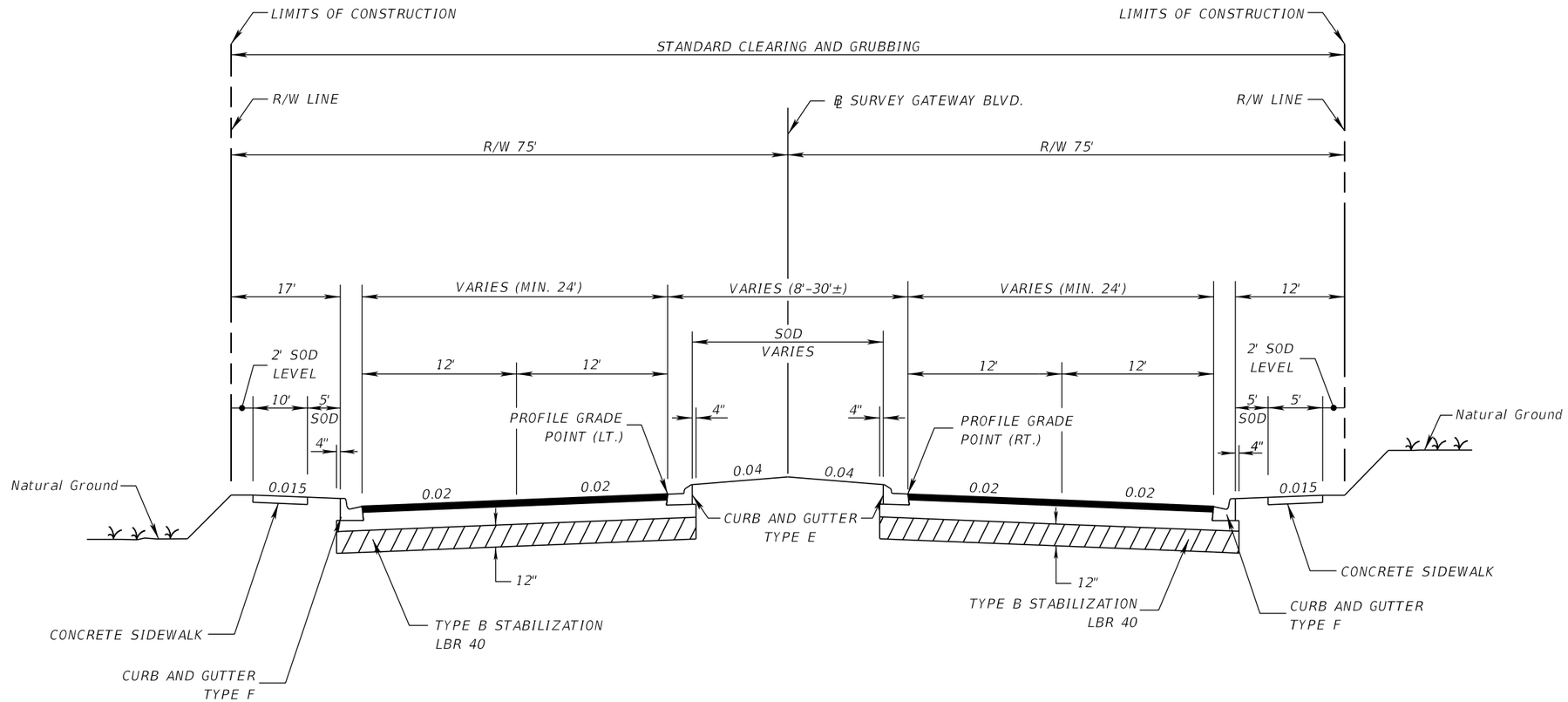

TYPICAL SECTION (1)

GATEWAY BLVD.

STA. 145+78.67 TO STA. 148+69.12 (RT.)

STA. 146+74.57 TO STA. 148+70.09 (LT.)

STA. 149+96.13 TO STA. 153+24.05 (RT.)

STA. 149+97.20 TO STA. 153+43.55 (LT.)

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 23,100
ESTIMATED OPENING YEAR = 2020 AADT = 19,000
ESTIMATED DESIGN YEAR = 2040 AADT = 25,136
DESIGN HOUR T = 3.4%
DESIGN SPEED = 35 MPH

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

TYPICAL SECTION (1)

COUNTY PROJECT NO.	SHT. NO.
200672	4

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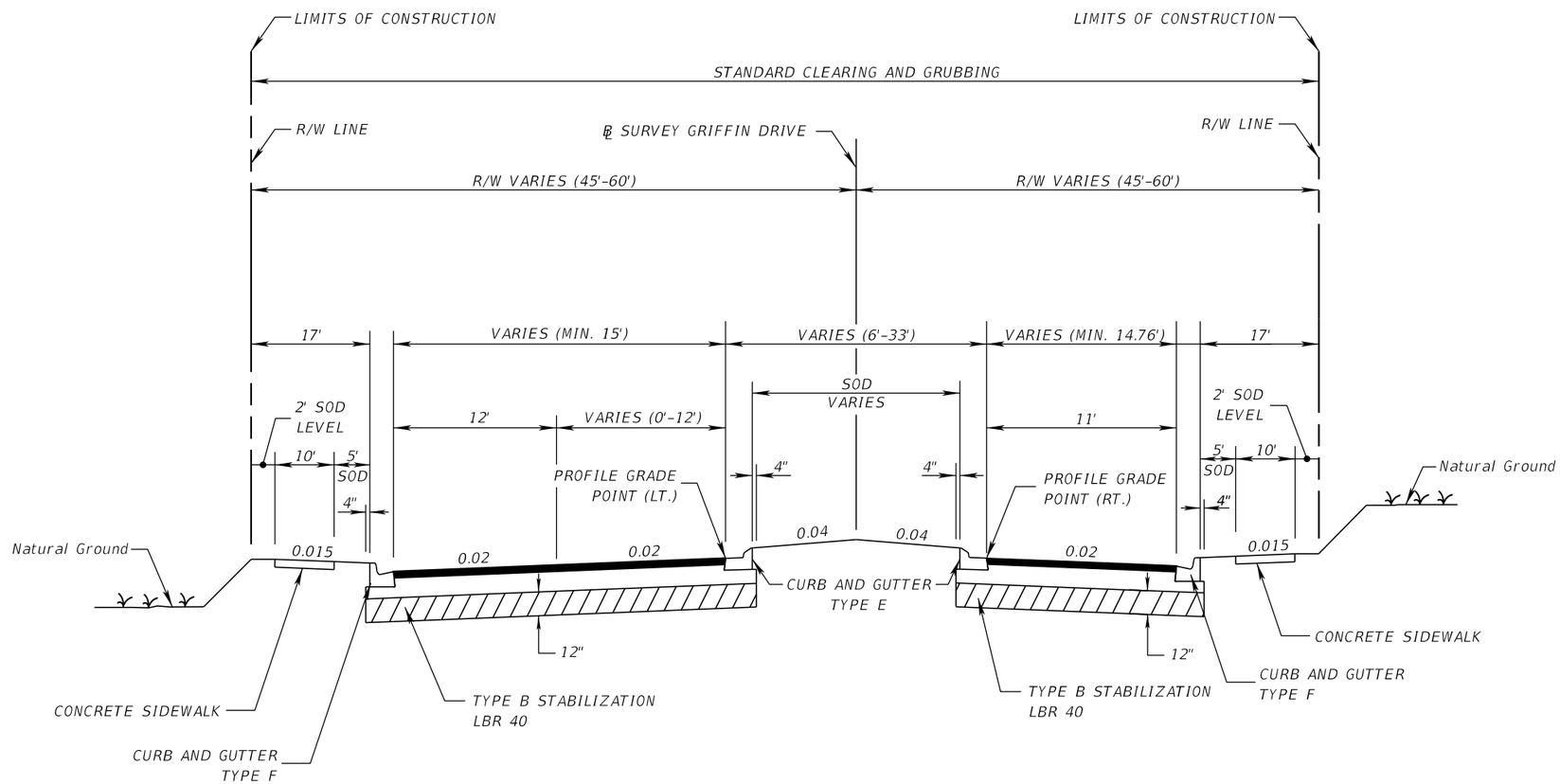

TYPICAL SECTION (2)

GRIFFIN DRIVE

STA. 317+88.90 TO STA. 322+86.05 (LT.)

STA. 317+88.94 TO STA. 321+35.18 (RT.)

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

STA. 317+94.29 TO STA. 328+87.98 (LT.)

MILLING AND RESURFACING

MILL (1")
OVERBUILD (SEE TABLE)*
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

STA. 314+42.65 TO STA. 315+55.02 (LT.)

WIDENING

OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

DESIGN SPEED = 35 MPH * SEE TYPICAL SECTION DETAIL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

TYPICAL SECTION (2)

COUNTY PROJECT NO.	SHT. NO.
200672	5

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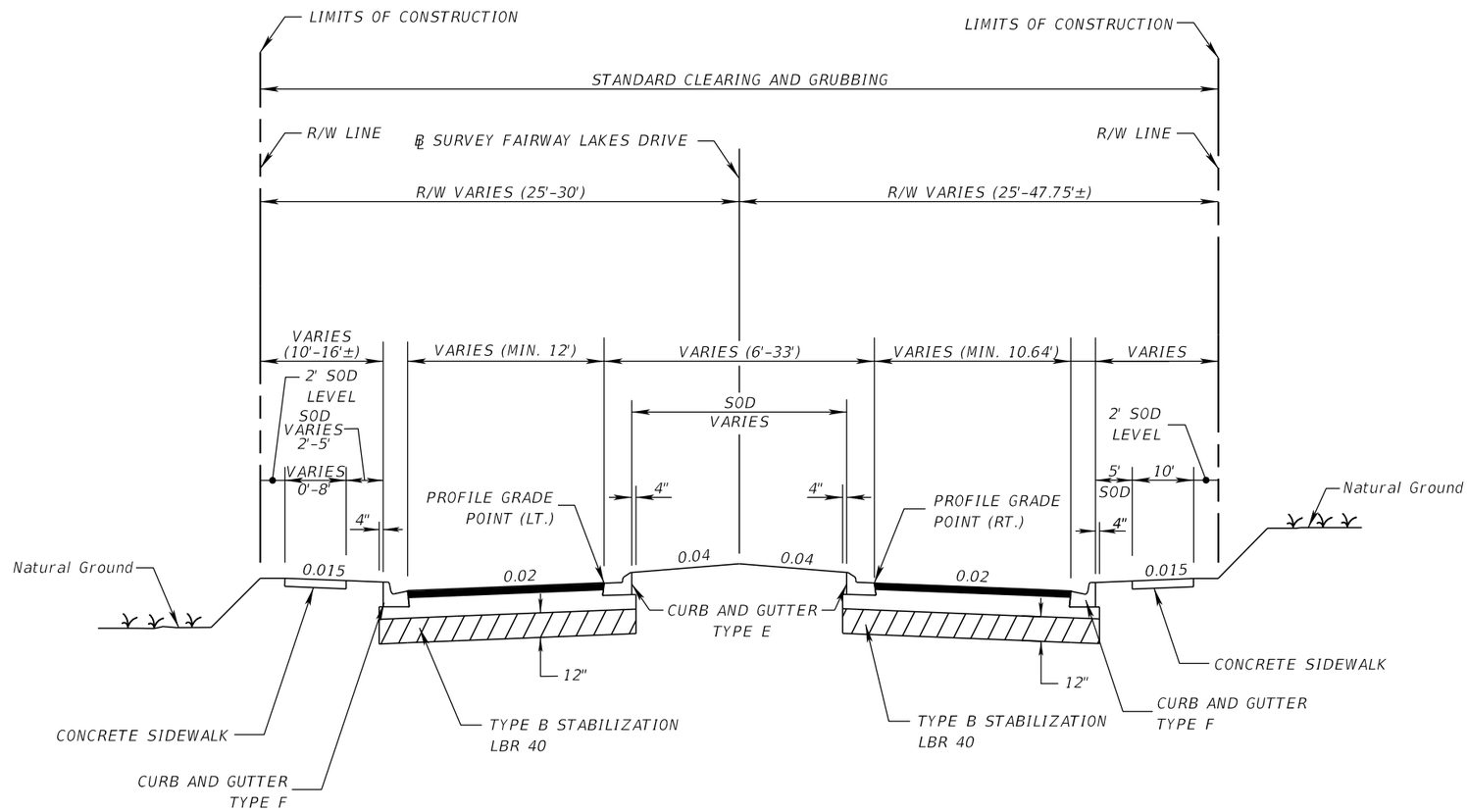

TYPICAL SECTION (3)

FAIRWAY LAKES DRIVE

STA. 314+42.89 TO STA. 315+80.00 (LT.)
STA. 314+42.89 TO STA. 315+08.66 (RT.)

MILLING AND RESURFACING

MILL (1")
OVERBUILD (SEE TABLE)*
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

STA. 315+80.00 TO STA. 316+35.09 (LT.)
STA. 315+08.66 TO STA. 316+36.79 (RT.)

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

STA. 314+42.89 TO STA. 315+63+15 (LT.)
STA. 314+58.93 TO STA. 315+06.92 (RT.)

WIDENING

OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

DESIGN SPEED = 25 MPH * SEE TYPICAL SECTION DETAIL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

TYPICAL SECTION (3)

COUNTY PROJECT NO.	SHT. NO.
200672	6

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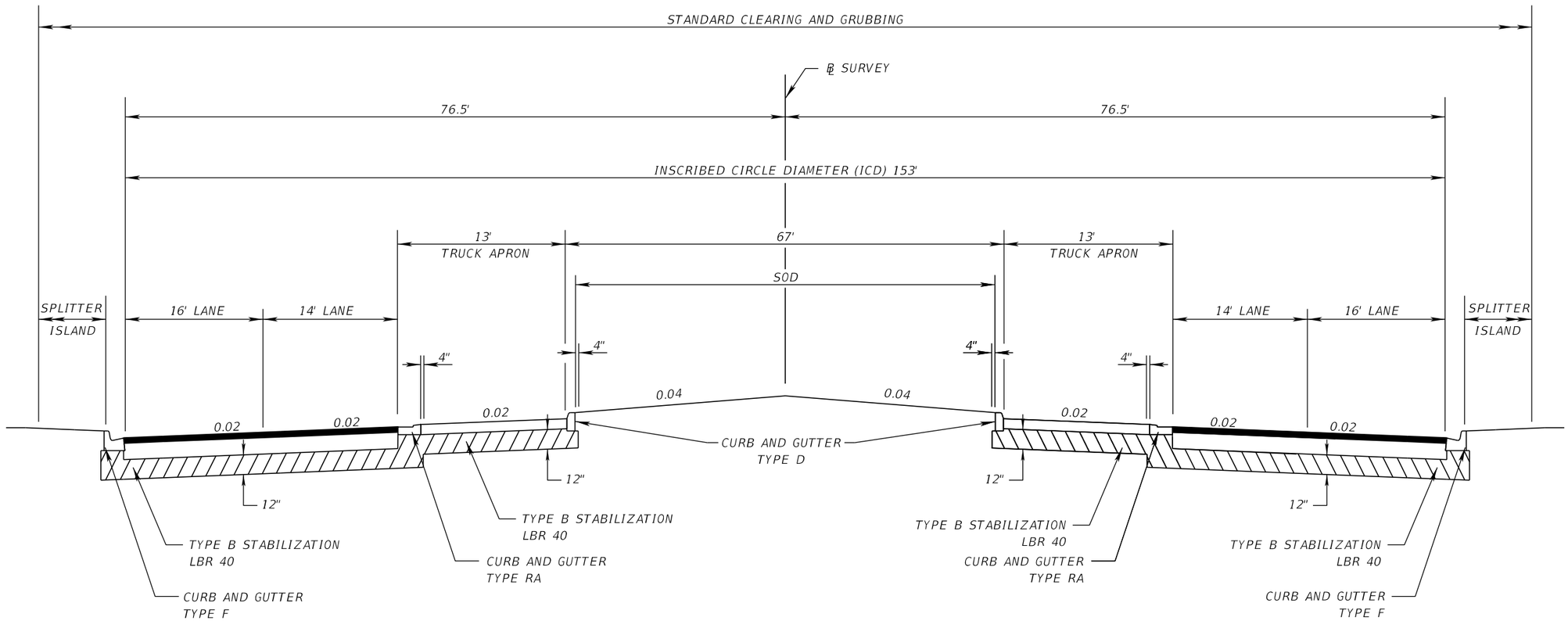

TYPICAL SECTION (4)
GATEWAY BLVD. ROUNDABOUT
STA. 148+70.09 TO 149+97.20

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 (B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

TRUCK APRON

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

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 23,100
ESTIMATED OPENING YEAR = 2020 AADT = 19,000
ESTIMATED DESIGN YEAR = 2040 AADT = 25,136
DESIGN HOUR T = 3.4%
DESIGN SPEED = 35 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
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CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

TYPICAL SECTION (4)

COUNTY PROJECT NO.	SHT. NO.
200672	7

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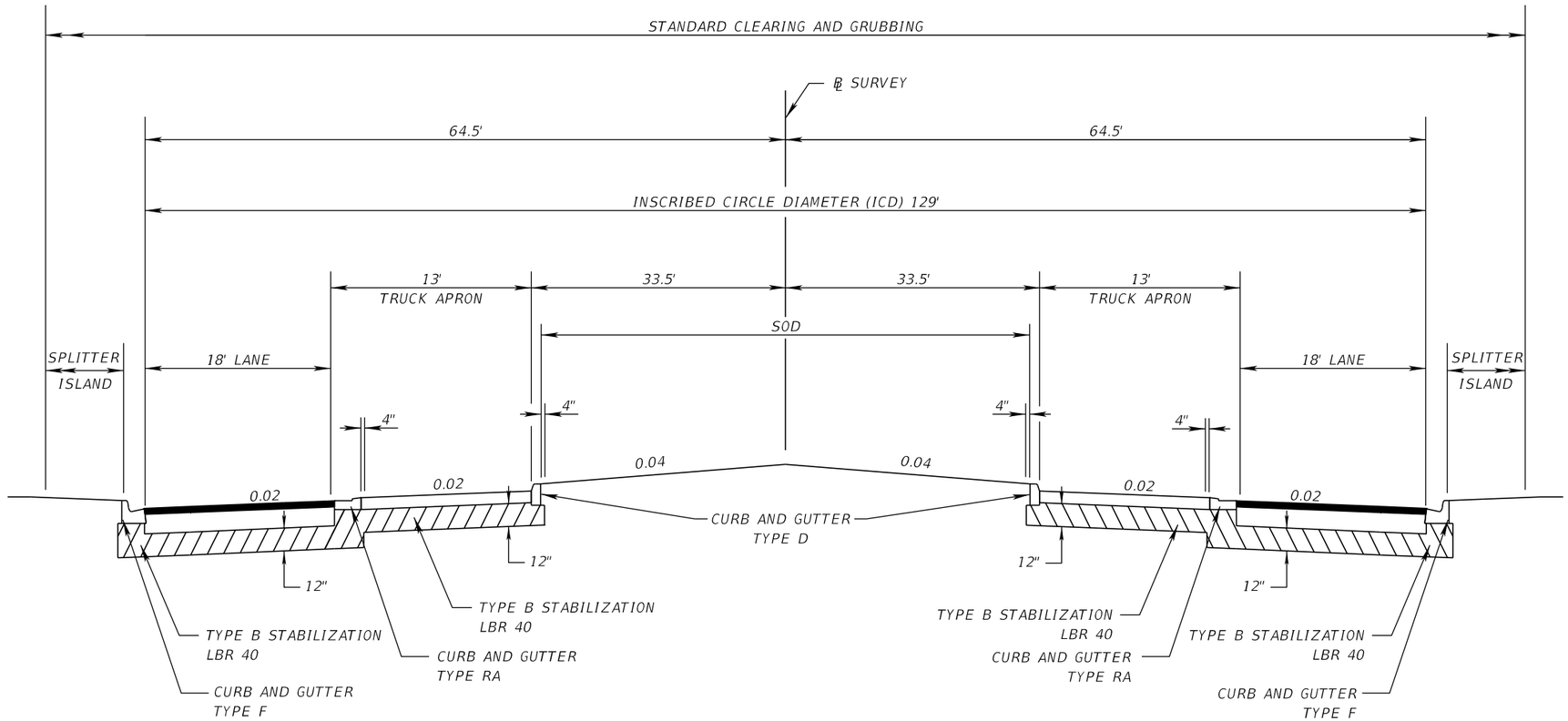

TYPICAL SECTION (5)

GRIFFIN DR. AND FAIRWAY LAKES DR. ROUNDABOUT

STA. 316+36.79 TO 317+88.94

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 (B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

TRUCK APRON

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

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

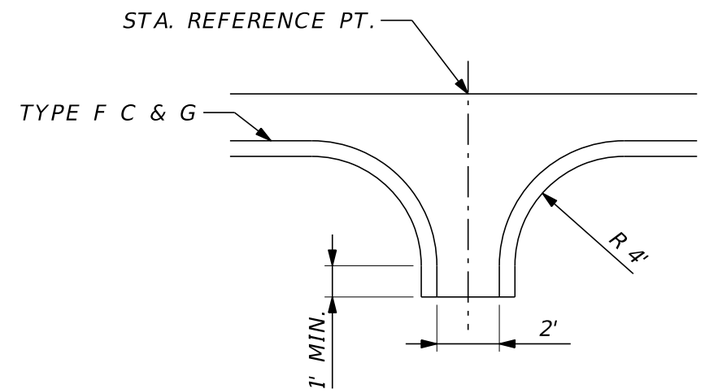
TYPICAL SECTION (5)

COUNTY PROJECT NO.	SHT. NO.
200672	8

SUMMARY OF ASPHALT OVERBUILD FAIRWAY LAKES DR						
LOCATION		EXIST CROSS SLOPE	PROPOSED SLOPE	MAX DEPTH OF OVERBUILD (IN)	WIDTH OF OVERBUILD (FT)	END AREA OF OVERBUILD (SY)
STATION	LANE					
314+42	WB	0.007	0.020	0.00	0	0
314+50	WB	0.011	0.020	0.00	0	0
315+00	WB	0.011	0.020	0.00	0	0
315+50	WB	0.008	0.020	0.28	12	2
315+80.00	WB	0.006	0.020	0.00	0	0

SUMMARY OF ASPHALT OVERBUILD GRIFFIN DR						
LOCATION		EXIST CROSS SLOPE	PROPOSED SLOPE	MAX DEPTH OF OVERBUILD (IN)	WIDTH OF OVERBUILD (FT)	AREA OF OVERBUILD (SY)
STATION	LANE					
317+90	WB	0.011	0.020	0.00		0
318+00	WB	0.005	0.020	0.53	12.3	6
318+50	WB	0.012	0.020	0.54	9.4	5
319+00	WB	0.012	0.020	0.73	11.5	8
319+50	WB	0.012	0.020	0.89	11	8
320+00	WB	0.012	0.020	0.94	25.4	20
320+50	WB	0.012	0.020	1.24	29	27
321+00	WB	0.012	0.020	0.90	28.4	24
321+50	WB	0.012	0.020	0.65	29.5	16
322+00	WB	0.012	0.020	0.30	29.5	9
322+50	WB	-0.007	0.020	0.05	9.2	0
322+86	WB	0.005	0.020	0.00	0	0

OVERBUILD TABLES



GATEWAY BLVD.
STA. 145+84.65 RT.
STA. 150+80.00 LT.
STA. 151+80.00 LT.
GRIFFIN BLVD.
STA. 320+00.00 RT.
STA. 321+50.00 LT.

CONCRETE FLUME DETAIL

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

TYPICAL SECTION DETAILS

COUNTY PROJECT NO. 200672

SHT. NO. 9

QTY.	STRUCT. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM SEWER PIPE		CURB INLETS		DITCH BOTTOM INLETS		DITCH PAVT (SY)	REMARKS
						OTHER		P-5	P-6	C	C (J-BOT)		
						18"	24"	<10	<10	<10	<10		
GATEWAY BOULEVARD													
P	S-100	148+01	RT	CLOSED FLUME	1								
F													
P	S-101	148+00	LT	DBI & PIPE	1								
F													
P	S-102	148+54	LT	CURB INLET	1								
F													
P	S-103	150+80	LT	DBI & PIPE	1								
F													
P	S-104	151+80	LT	DBI & PIPE	1								
F													
P	S-105	154+26	LT	PIPE	1								
F													
SHEET TOTALS				PLAN QUANTITY		0	0	0	0	0	0	0	
				FINAL QUANTITY									

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67350
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF DRAINAGE STRUCTURES

COUNTY NO.	SHT. NO.
0671	10

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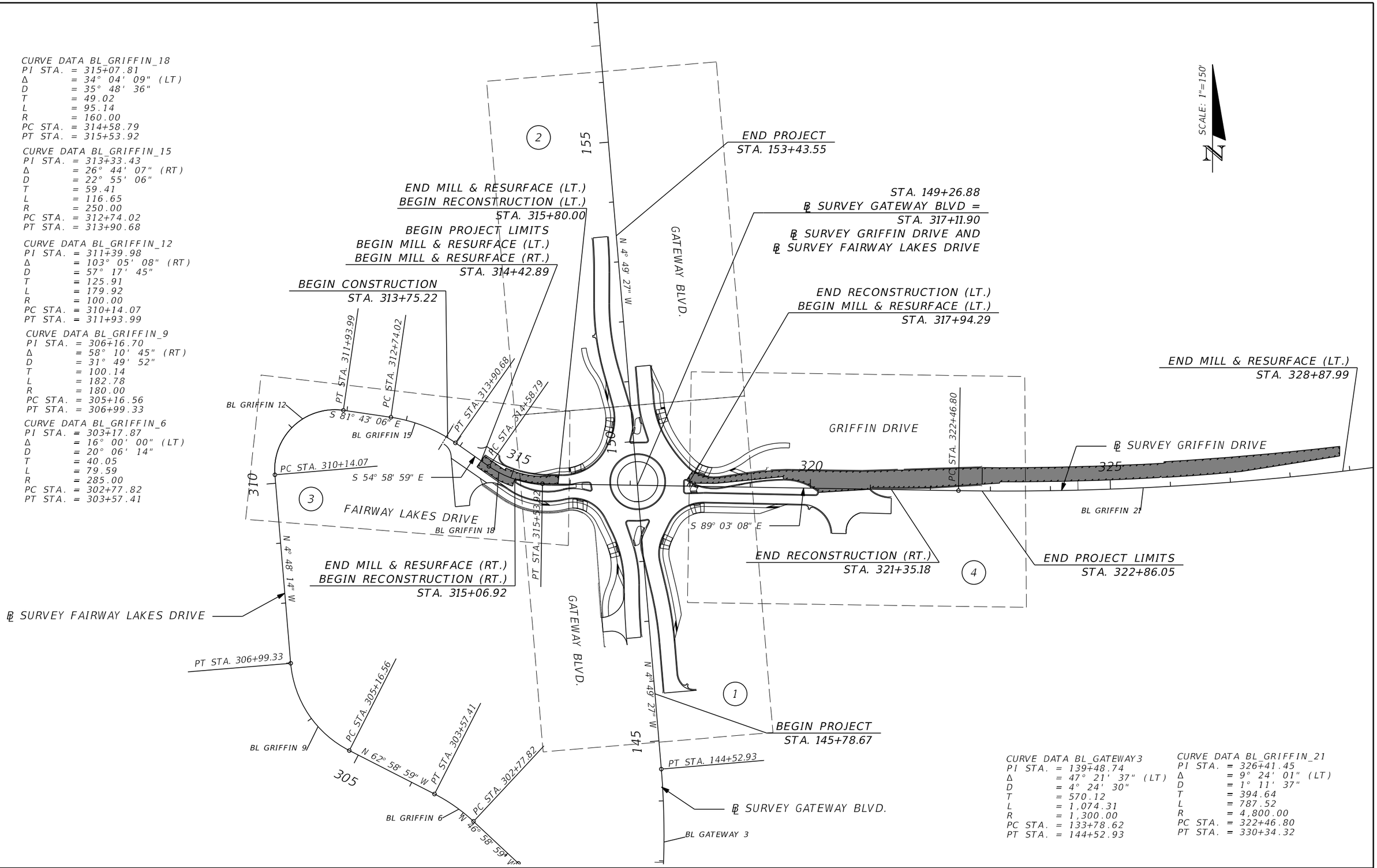
CURVE DATA BL_GRIFFIN_18
PI STA. = 315+07.81
Δ = 34° 04' 09" (LT)
D = 35° 48' 36"
T = 49.02
L = 95.14
R = 160.00
PC STA. = 314+58.79
PT STA. = 315+53.92

CURVE DATA BL_GRIFFIN_15
PI STA. = 313+33.43
Δ = 26° 44' 07" (RT)
D = 22° 55' 06"
T = 59.41
L = 116.65
R = 250.00
PC STA. = 312+74.02
PT STA. = 313+90.68

CURVE DATA BL_GRIFFIN_12
PI STA. = 311+39.98
Δ = 103° 05' 08" (RT)
D = 57° 17' 45"
T = 125.91
L = 179.92
R = 100.00
PC STA. = 310+14.07
PT STA. = 311+93.99

CURVE DATA BL_GRIFFIN_9
PI STA. = 306+16.70
Δ = 58° 10' 45" (RT)
D = 31° 49' 52"
T = 100.14
L = 182.78
R = 180.00
PC STA. = 305+16.56
PT STA. = 306+99.33

CURVE DATA BL_GRIFFIN_6
PI STA. = 303+17.87
Δ = 16° 00' 00" (LT)
D = 20° 06' 14"
T = 40.05
L = 79.59
R = 285.00
PC STA. = 302+77.82
PT STA. = 303+57.41



CURVE DATA BL_GATEWAY3
PI STA. = 139+48.74
Δ = 47° 21' 37" (LT)
D = 4° 24' 30"
T = 570.12
L = 1,074.31
R = 1,300.00
PC STA. = 133+78.62
PT STA. = 144+52.93

CURVE DATA BL_GRIFFIN_21
PI STA. = 326+41.45
Δ = 9° 24' 01" (LT)
D = 1° 11' 37"
T = 394.64
L = 787.52
R = 4,800.00
PC STA. = 322+46.80
PT STA. = 330+34.32

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 62449
CARDNO, INC.
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CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

PROJECT LAYOUT

COUNTY PROJECT NO.	SHT. NO.
200672	11

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COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
110	813504.75'	738296.18'	26.97'	SET 5/8" IR&C "CARDNO T.P. LB 7975"
105	813658.70'	738265.38'	27.21'	SET 5/8" IR&C "CARDNO T.P. LB 7975"
113	812805.74'	738187.71'	26.53'	SET N-D "CARDNO T.P. LB 7975"
106	813652.95'	738648.27'	26.15'	SET N-D "CARDNO T.P. LB 7975"
107	813649.38'	738897.12'	25.99'	SET N-D "CARDNO T.P. LB 7975"
108	813539.15'	738650.20'	26.36'	SET N-D "CARDNO T.P. LB 7975"
109	813534.44'	738362.93'	26.16'	SET 5/8" IR&C "CARDNO T.P. LB 7975"
111	813257.75'	738313.82'	27.38'	SET 5/8" IR&C "CARDNO T.P. LB 7975"
112	812763.47'	738298.99'	28.55'	SET N-D "CARDNO T.P. LB 7975"
114	813053.64'	738203.40'	27.18'	SET N-D "CARDNO T.P. LB 7975"
115	813560.82'	738154.20'	26.98'	SET 5/8" IR&C "CARDNO T.P. LB 7975"
116	813641.95'	737921.13'	25.24'	SET N-D "CARDNO T.P. LB 7975"
117	813642.60'	738167.23'	26.95'	SET 5/8" IR&C "CARDNO T.P. LB 7975"
118	814135.81'	738113.66'	25.91'	SET N-D "CARDNO T.P. LB 7975"
119	814233.15'	738105.78'	26.42'	SET N-D "CARDNO T.P. LB 7975"
120	814143.38'	738218.90'	26.38'	SET 5/8" IR&C "CARDNO T.P. LB 7975"
121	813899.42'	738273.67'	26.22'	SET 5/8" IR&C "CARDNO T.P. LB 7975"
102	813656.87'	738445.49'	26.13'	SET N-D "CARDNO T.P. LB 7975"
150	813696.64'	737728.11'	25.71'	SET N-D "CARDNO T.P. LB 7975"
151	813724.15'	737733.94'	25.77'	SET N-D "CARDNO T.P. LB 7975"

LEGEND:

- AIR RELEASE VALVE
- BACKFLOW PREVENTER
- BENCH MARK
- BOLLARD
- CABLE RISER
- CABLE TV BOX
- CATCH BASIN
- CENTERLINE
- CLEANOUT
- 001 COORDINATE NUMBER
- CONCRETE POWER POLE
- DRAINAGE MANHOLE
- ELECTRICAL BOX
- ELECTRIC OUTLET
- ELECTRIC METER
- E ELECTRIC LINE
- ELECTRIC FLAG
- EXISTING ELEVATION
- FENCE - BARBED WIRE
- FENCE - CHAIN LINK
- FENCE - WOOD
- FIBER OPTIC MARKER / POST
- FIBER OPTIC BOX
- FIRE HYDRANT
- FIRE VALVE
- FLAG POLE
- FM FORCE MAIN
- FORCE MAIN AIR RELEASE VALVE
- GAS PIPELINE MARKER
- GROUND LIGHT
- GUARD RAIL
- GUY POLE
- GUY WIRE
- HANDI-CAP PARKING
- HOSE BIB
- IRRIGATION BOX
- IRRIGATION VALVE
- LIGHT POLE
- MAIL BOX
- MITERED END
- WELL
- OHP OVERHEAD POWER LINE
- OHT OVERHEAD TELEPHONE LINE
- POWER POLE
- POWER POLE w/RISER
- RECLAIM WATER LINE FLAG
- SEWER LINE FLAG
- SS SANITARY SEWER LINE
- SEWER MANHOLE
- SEWER VALVE
- SECURITY SENSOR
- SIGN SINGLE POST
- SIGN DOUBLE POST
- SPRINKLER
- STEEL POST
- TELEPHONE BOX OR VAULT
- TELEPHONE CANISTER
- TELEPHONE FLAG
- TELEPHONE MANHOLE
- TELEPHONE RISER
- TOE OF SLOPE
- TOP OF BANK
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL POLE
- UNKNOWN UTILITY VAULT OR BOX
- UNKNOWN UTILITY MANHOLE
- UG UNDERGROUND UTILITIES
- W WATER MAIN
- WATER LINE FLAG
- WATER METER
- WATER VALVE
- WOOD SUPPORT POLE
- YD YARD DRAIN
- CROSS WALK SIGNAL POLE
- CROSS WALK BUTTON POLE
- BUSH
- CABBAGE PALM
- OAK TREE
- PALM TREE
- PINE TREE
- SHADE TREE (VARIOUS TYPE)
- FOUND CONCRETE MONUMENT
- FOUND DRILL HOLE
- FOUND IRON ROD
- FOUND IRON ROD & CAP
- FOUND NAIL
- FOUND NAIL & DISK
- FOUND PARKER KALON NAIL
- FOUND PARKER KALON NAIL & DISK
- SET CONCRETE MONUMENT
- SET DRILL HOLE
- SET 5/8" IRON ROD & CAP "CARDNO LB 7975" U.O.N.
- SET MAG NAIL & DISK "CARDNO LB 7975" U.O.N.

ABBREVIATIONS:

AC. = ACRE
A.C. = AIR CONDITIONER
A.K.A. = ALSO KNOWN AS
ALUM. = ALUMINUM
APPR. = APPROXIMATE
AVE. = AVENUE
BLDG. = BUILDING
BLVD. = BOULEVARD
BM = BENCHMARK
BOC = BACK OF CURB
BOW = BACK OF WALK
BSM = BUREAU OF SURVEYING AND MAPPING
(C) = CALCULATED
CATV = CABLE TELEVISION
CB = CATCH BASIN
CBS = CONCRETE BLOCK STRUCTURE
C.C.R. = CERTIFIED CORNER RECORD
CDB = CHORD BEARING
CH = CHORD
CLF = CHAIN LINK FENCE
CM = CONCRETE MONUMENT
CMP = CORRUGATED METAL PIPE
C.O. = CLEANOUT
CONC. = CONCRETE
CONT. = CONTROL
CPP = CORRUGATED PLASTIC PIPE
COR. = CORNER
CORP. = CORPORATION
C.P. = CONTROL POINT
C.R. = COUNTY ROAD
CT. = COURT
C.U.E. = COUNTY UTILITY EASEMENT
(D) = DEED
D.E. = DRAINAGE EASEMENT
(DESC.) = DESCRIPTION
DH = DRILL HOLE
DIA. = DIAMETER
DR. = DRIVE
DWG. = DRAWING
EL. = ELEVATION
ELEC. = ELECTRIC
EOP = EDGE OF PAVEMENT
EOW = EDGE OF WATER
ERCP = ELLIPTICAL REINFORCED CONCRETE PIPE
ESMT. = EASEMENT
EXIST. = EXISTING
(F) = FIELD
FDEP = FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION
FEMA = FEDERAL EMERGENCY MANAGEMENT AGENCY
F.F. = FINISHED FLOOR
FND = FOUND
FPL OR FP&L = FLORIDA POWER & LIGHT
F.S. = FLORIDA STATUTES
FT. = FOOT / FEET
GLO = GENERAL LAND OFFICE
GPS = GLOBAL POSITIONING SYSTEM
I.D. = IDENTIFICATION
I.D.D. = IONA DRAINAGE DISTRICT
I.N. = INSTRUMENT NUMBER
INC. = INCORPORATED
INST. = INSTRUMENT
INV. = INVERT
I.P. = IRON PIPE
IR = IRON ROD (5/8" DIA. U.O.N.)
IRC OR IR&C = IRON ROD & CAP
IRR. = IRRIGATION
L = LENGTH
LABINS = LAND BOUNDARY INFORMATION SYSTEM (STATE OF FLORIDA)
LAT = LATITUDE
LB = LICENSED BUSINESS
LN. = LANE
LONG = LONGITUDE
LS = LICENSED SURVEYOR
LT = LEFT
(M) = MEASURED
MAG = MAGNETIC
ME = MITERED END
MH = MANHOLE
MHWL = MEAN HIGH WATER LINE
MISC. = MISCELLANEOUS
MON = MONUMENT
NAD = NORTH AMERICAN DATUM
N.A.V.D. = NORTH AMERICAN VERTICAL DATUM
NGS = NATIONAL GEODETIC SURVEY
N.G.V.D. = NATIONAL GEODETIC VERTICAL DATUM (1929)
No. = NUMBER
N.T.S. = NOT TO SCALE
N.T.T. = NAIL & TIN TAB
O/H = OVERHANG
O.H.W.L. = ORDINARY HIGH WATER LINE
O.H.W.M. = ORDINARY HIGH WATER MARK
O.R. = OFFICIAL RECORD BOOK / PAGE
(P) = PLAT
PB = PLAT BOOK
P.C. = POINT OF CURVATURE
PCP = PERMANENT CONTROL POINT
PG (S) . = PAGE(S)
P.I. = POINT OF INTERSECTION
PKN&D = PARKER-KALON NAIL & DISK
PKWY. = PARKWAY
PL = PROPERTY LINE
PLS = PROFESSIONAL LAND SURVEYOR
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
P.O.T. = POINT OF TERMINUS
PP = POWER POLE
P.R.M. = PERMANENT REFERENCE MONUMENT
PROP. = PROPERTY
PSM = PROFESSIONAL SURVEYOR AND MAPPER
PT. = POINT
P.T. = POINT OF TANGENCY
P.U.E. = PUBLIC UTILITY EASEMENT
PVC = POLY VINYL CHLORIDE
R = RADIUS OR RIGHT
(R) = RECORD
RCP = REINFORCED CONCRETE PIPE
RGE = RANGE
RLS = REGISTERED LAND SURVEYOR
R.R. = RAILROAD
RT = RIGHT
RTA = RIGHT ANGLE
R/W = RIGHT-OF-WAY
SEC. = SECTION
S.F. = SQUARE FEET
SFWMD = SOUTH FLORIDA WATER MANAGEMENT DISTRICT
SHT. = SHEET
S.R. = STATE ROAD
S.S. = SANITARY SEWER
STA. = STATION
ST. = STREET
SWFWMD = SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
T = TANGENT
TEL = TELEPHONE
TIIF = TRUSTEES OF THE INTERNAL IMPROVEMENT FUND OF THE STATE OF FLORIDA
TIITF = BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA
TOB = TOP OF BANK
TOE = TOE OF SLOPE
T.P. = TRAVERSE POINT
TRANS. = TRANSITION
TWP = TOWNSHIP
TYP = TYPICAL
U.E. = UTILITY EASEMENT
U.O.N. = UNLESS OTHERWISE NOTED
USGS = UNITED STATES GEOLOGICAL SURVEY
w/ = WITH
Y.D. = YARD DRAIN
Δ = DELTA ANGLE
± = MORE OR LESS
= NUMBER
" " = STAMPING OF CAP OR DISK

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

PROJECT CONTROL

COUNTY PROJECT NO.	SHT. NO.
200672	12

PROJECT NOTES:

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

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

3. 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.

4. PAVEMENT MARKINGS AND SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND FDOT STANDARD PLANS, INDEX 711-001

5. 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. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION, AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD

6. CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST 48 HOURS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES AND LCDOT PRIOR TO CONSTRUCTION.

UTILITY/AGENCY OWNERS:	COMPANY CONTACT	TELEPHONE NUMBERS
CENTURYLINK	EZEKIEL REID	239-336-2030
COMCAST CABLE	STEVE HUTSON	754-221-1254
FLORIDA POWER AND LIGHT	JUAN CRUZ	941-423-4842
GATEWAY SERVICES DISTRICT	CHRIS SHOEMAKER	239-561-1313
LEE COUNTY UTILITIES	ALLAN MAKAU	239-533-8598
TECO PEOPLES GAS (FT. MYERS)	ANTHONY BAUBLITZ	941-342-4025

7. A STORMWATER POLLUTION PREVENTION PLAN SHALL BE PREPARED IN ACCORDANCE WITH SECTION 104 OF THE FDOT SPECIFICATIONS, THE NOTICE OF INTENT SHALL BE PREPARED FOR THE NPDES STORMWATER PERMIT AND SUBMITTED TO OBTAIN PERMIT COVERAGE. FULL COMPENSATION FOR ALL ITEMS SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF TRAFFIC.

8. IN ANY EXCAVATION WORK IT SHOULD BE NOTED THAT THE WATER TABLE IS HIGH IN THIS AREA. WATER TABLE SHOWN ON CROSS SECTIONS MAY DIFFER FROM SEASONAL HIGH WATER TABLE (SHWT).

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

10. CONCRETE SIDEWALK: USE CLASS 1, 3000 PSI (MINIMUM) CONCRETE. APPLY BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF ¼ OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 50' ON CENTER. ALL CONCRETE SIDEWALK AND DRIVEWAYS TO BE 6" THICK.

11. 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 2020-21, UNLESS OTHERWISE NOTED.

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

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

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

15. 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.

16. 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.

17. ALL EXISTING DRAINAGE STRUCTURES ARE TO REMAIN UNLESS NOTED ON THE ROADWAY PLANS TO BE REMOVED.

18. CONTRACTOR SHALL 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.

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

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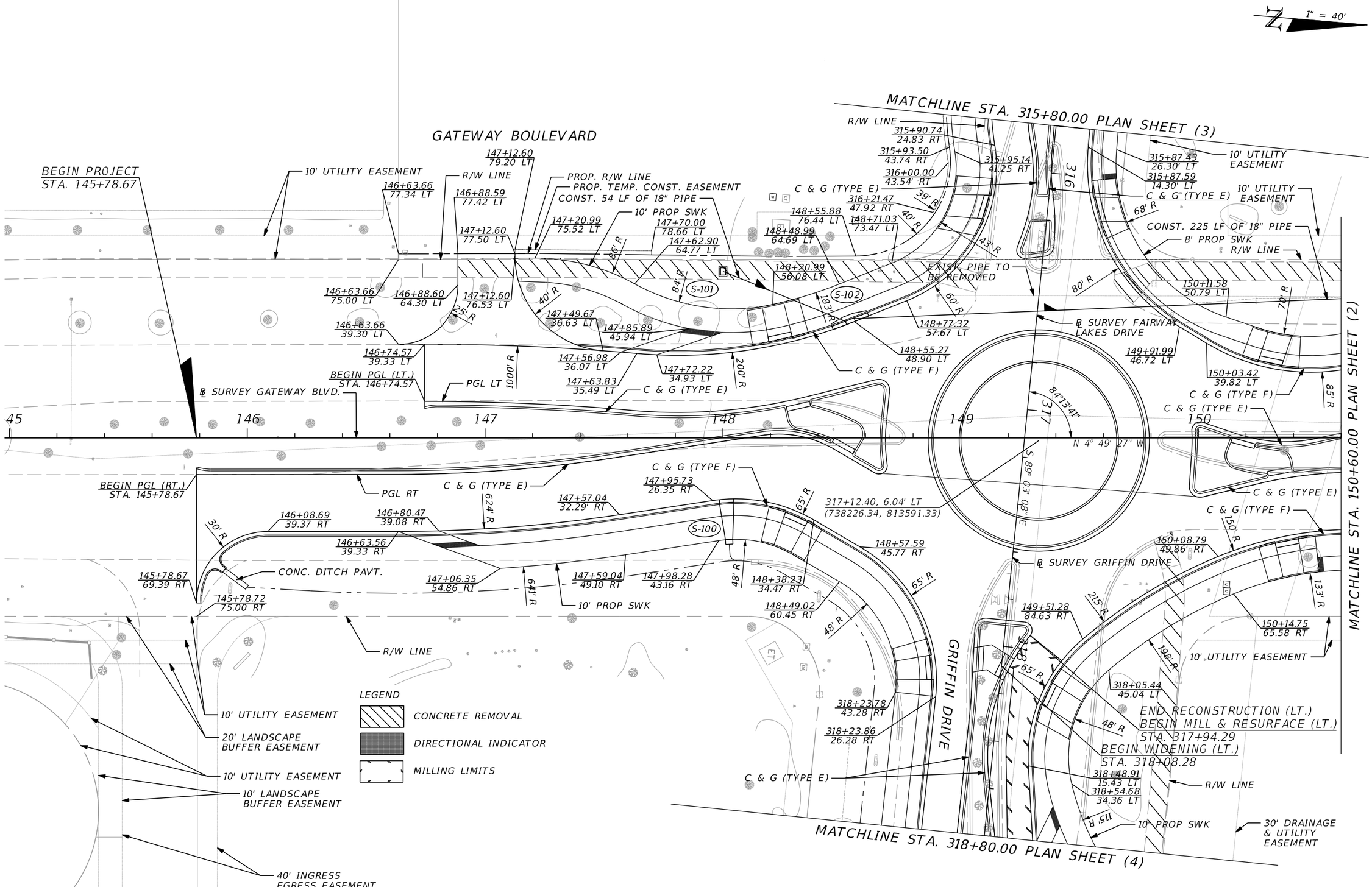

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
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DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

PLAN SHEET (1)

COUNTY PROJECT NO.	SHT. NO.
200672	14

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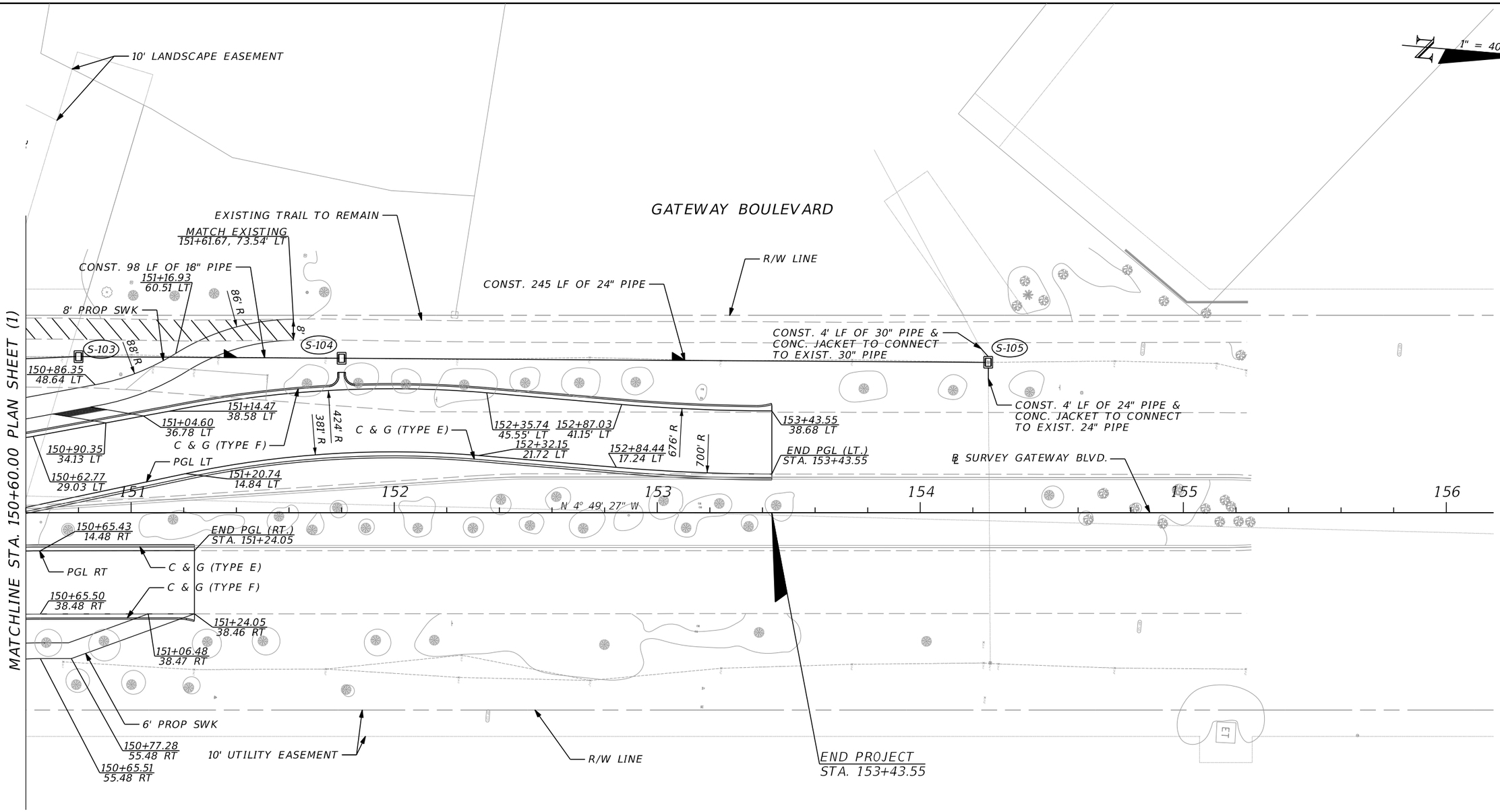

LEGEND

- CONCRETE REMOVAL
- DIRECTIONAL INDICATOR
- MILLING LIMITS

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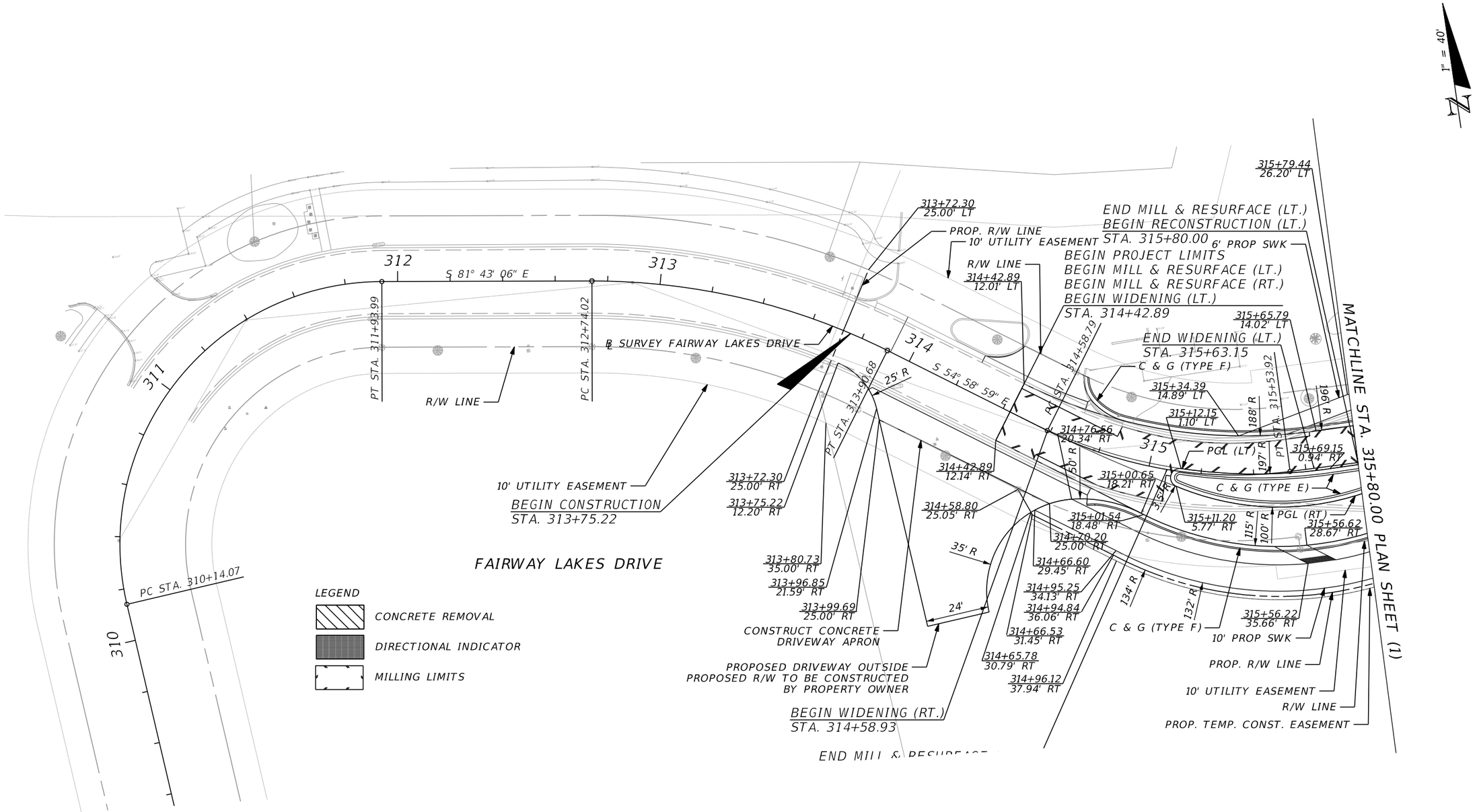
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

PLAN SHEET (2)

COUNTY PROJECT NO.	SHT. NO.
200672	15

kathleen.agoado 3/30/2020 8:31:28 AM J:\CR044\CR044002.02\ms\roadway\planrd02.dgn



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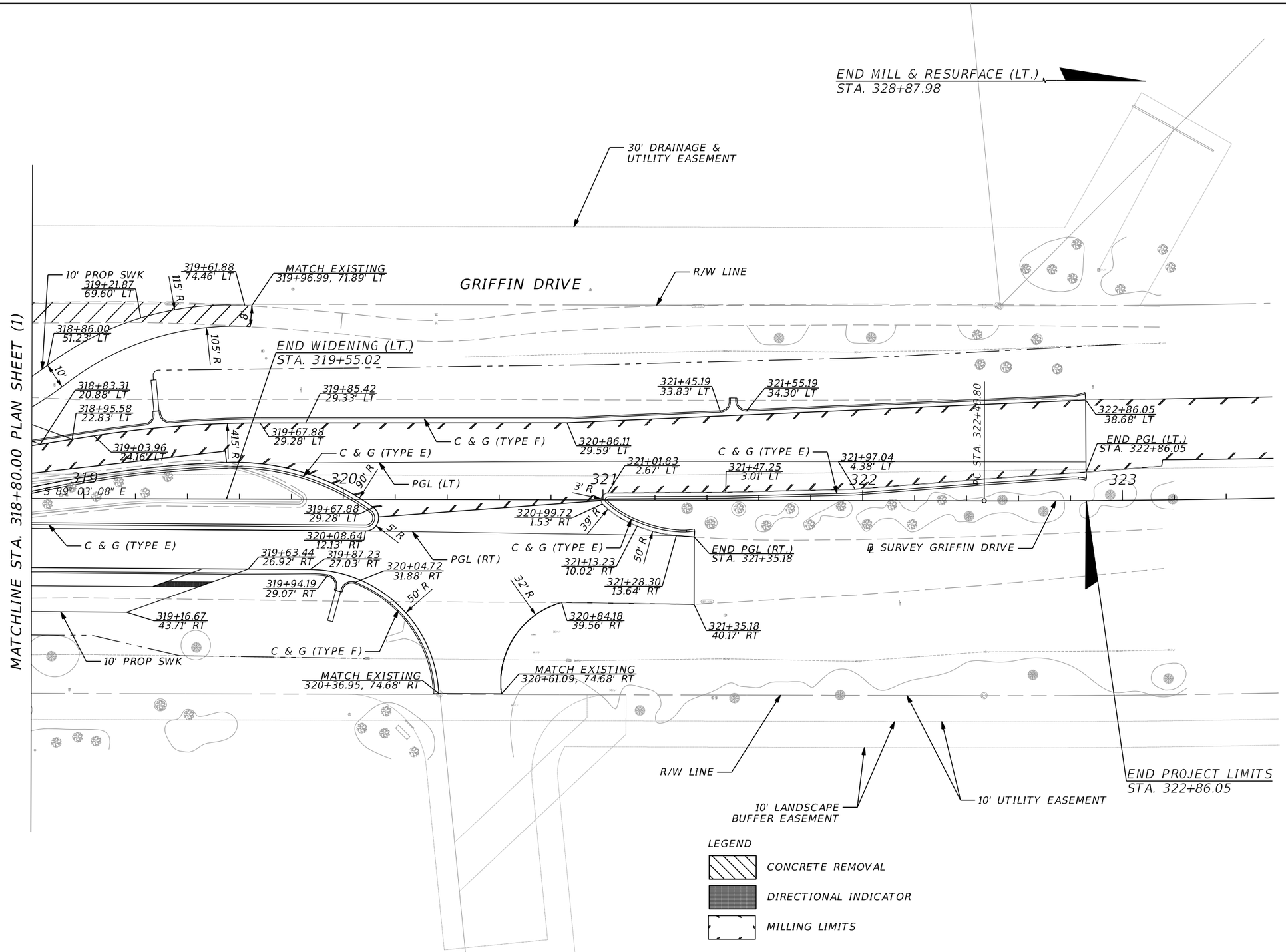
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

PLAN SHEET (3)

COUNTY PROJECT NO.	SHT. NO.
200672	16



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

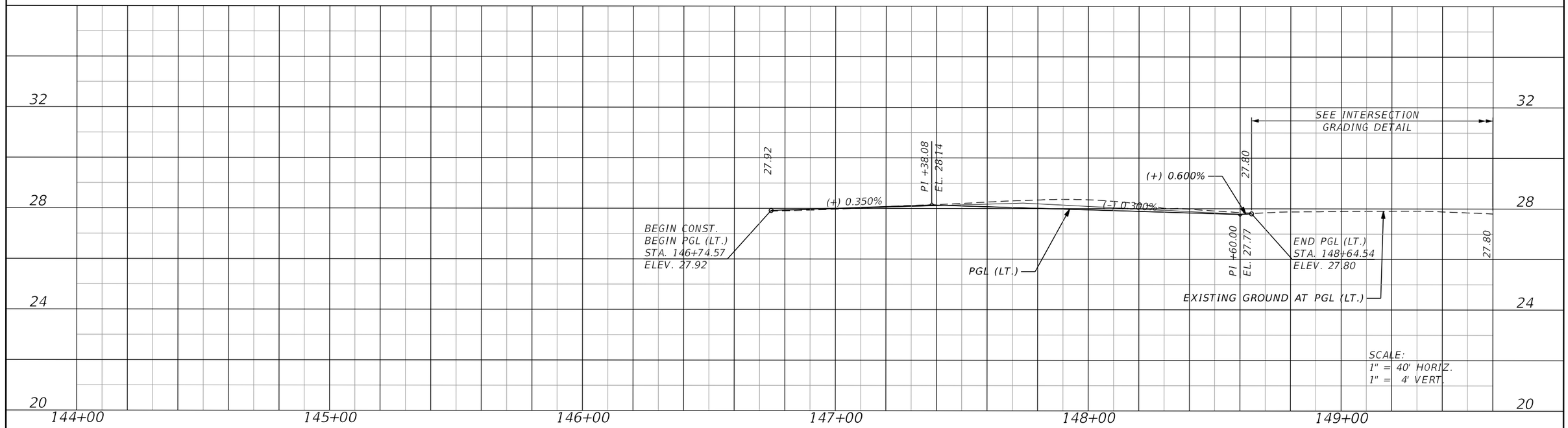
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

PLAN SHEET (4)

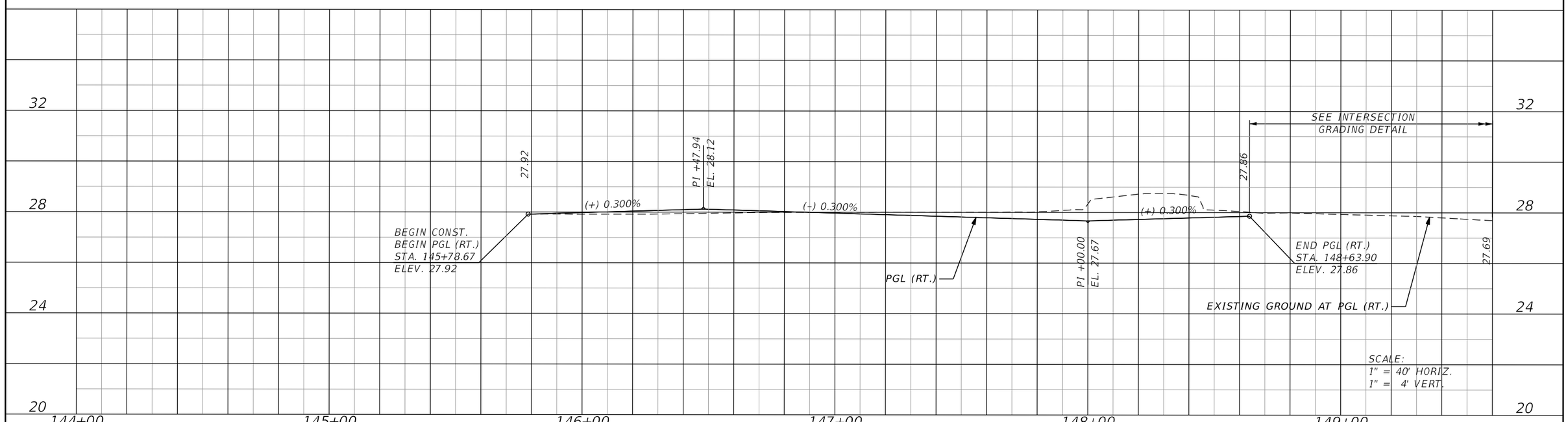
COUNTY PROJECT NO.: 200672

SHT. NO.: 17

LEFT PROFILE GRADE LINE



RIGHT PROFILE GRADE LINE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

ROADWAY PROFILE (1)
(GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	18

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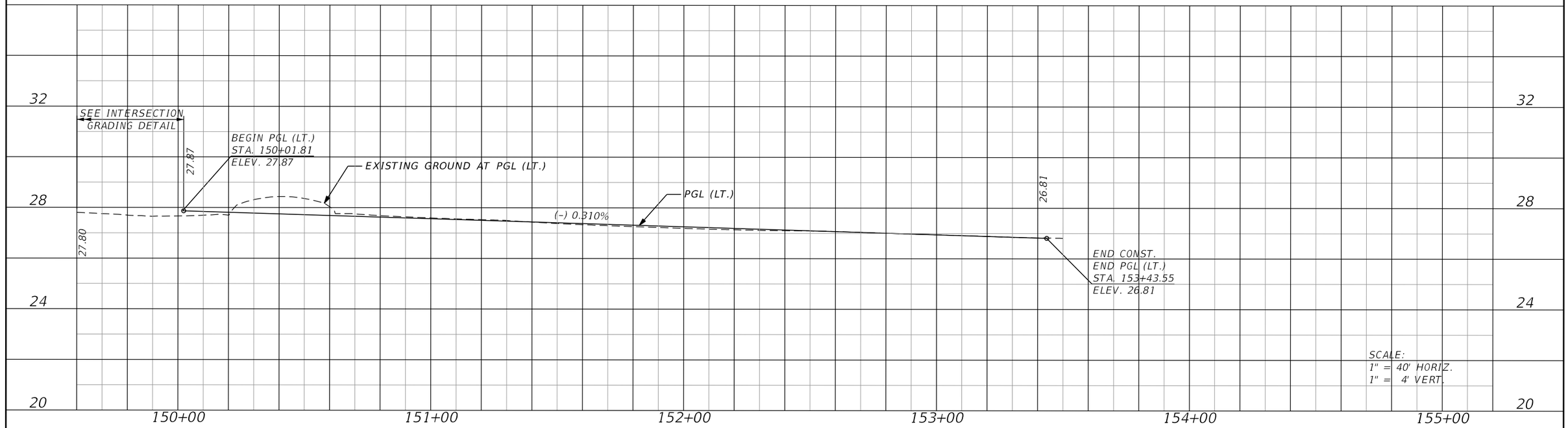
LEFT PROFILE GRADE LINE



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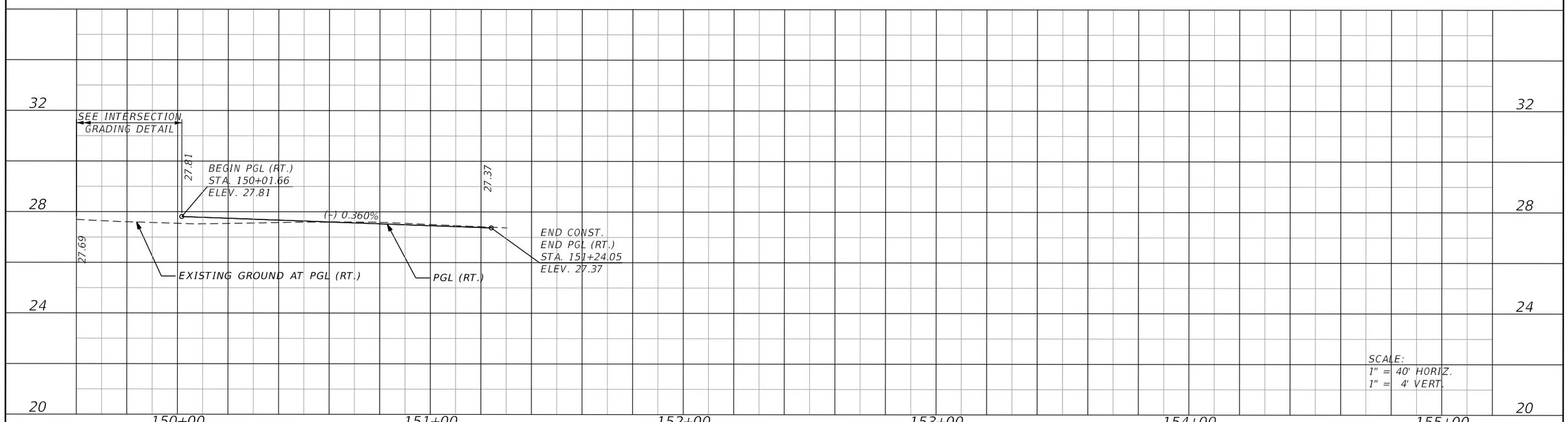

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

ROADWAY PROFILE (2)
(GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	19

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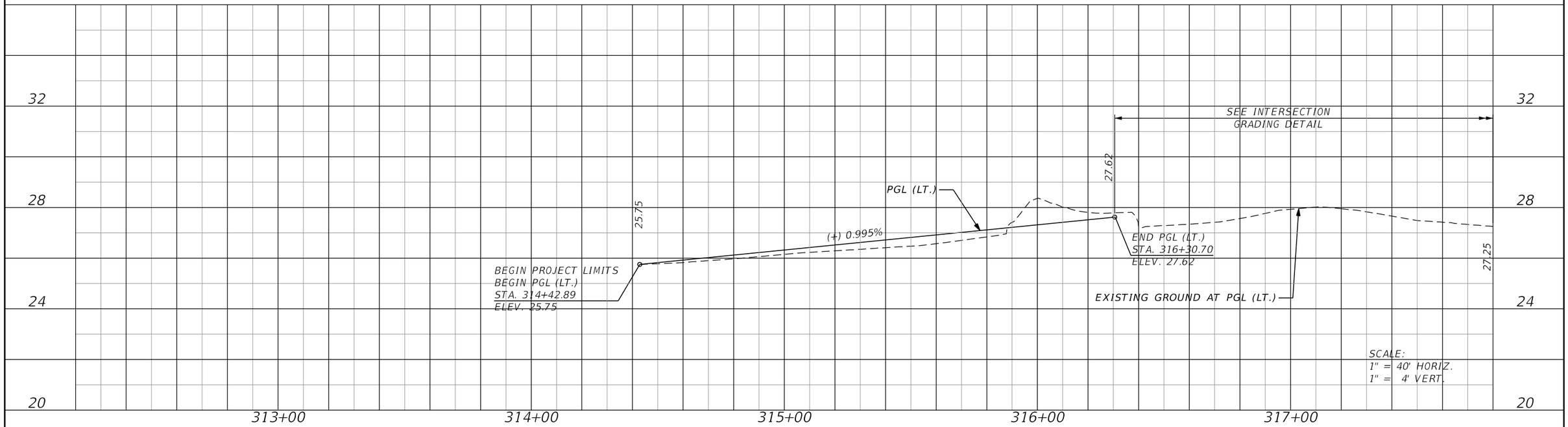
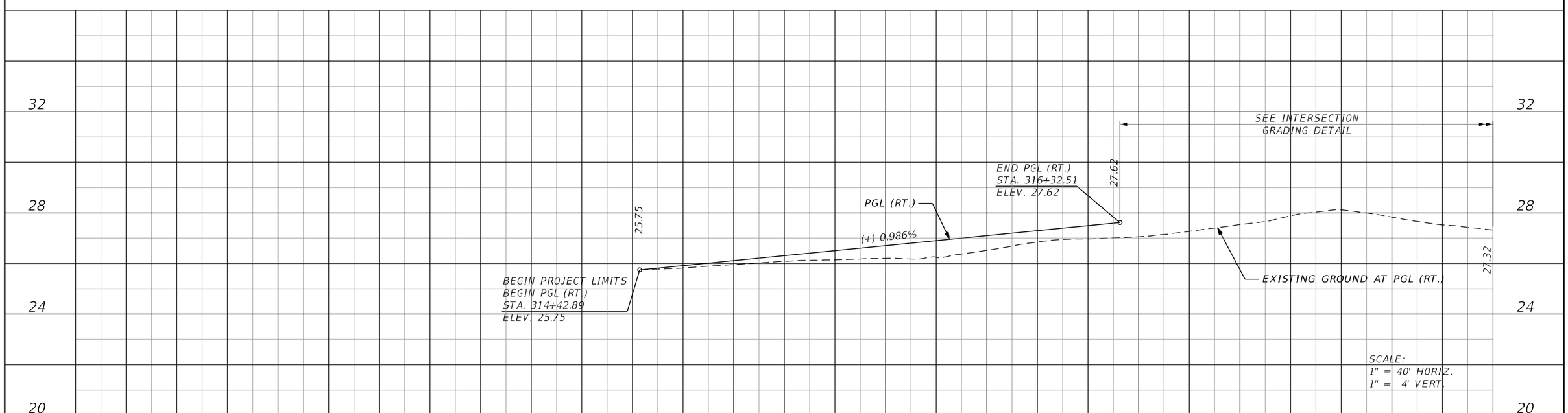
LEFT PROFILE GRADE LINE



RIGHT PROFILE GRADE LINE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

ROADWAY PROFILE (3)
(FAIRWAY LAKES DRIVE)

CIP NO.	SHT. NO.
200672	20

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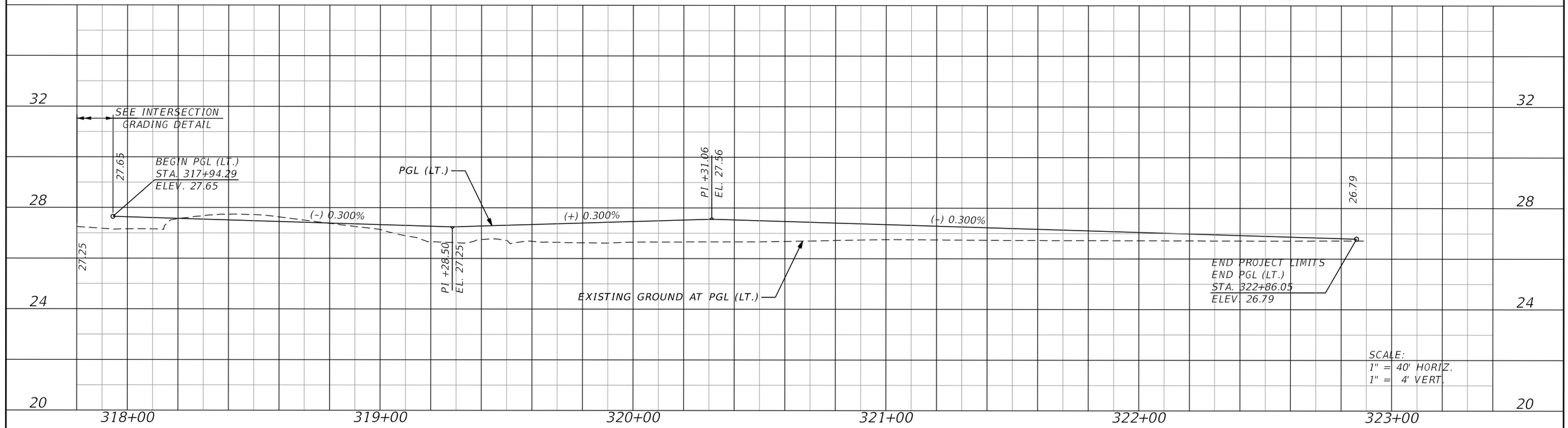
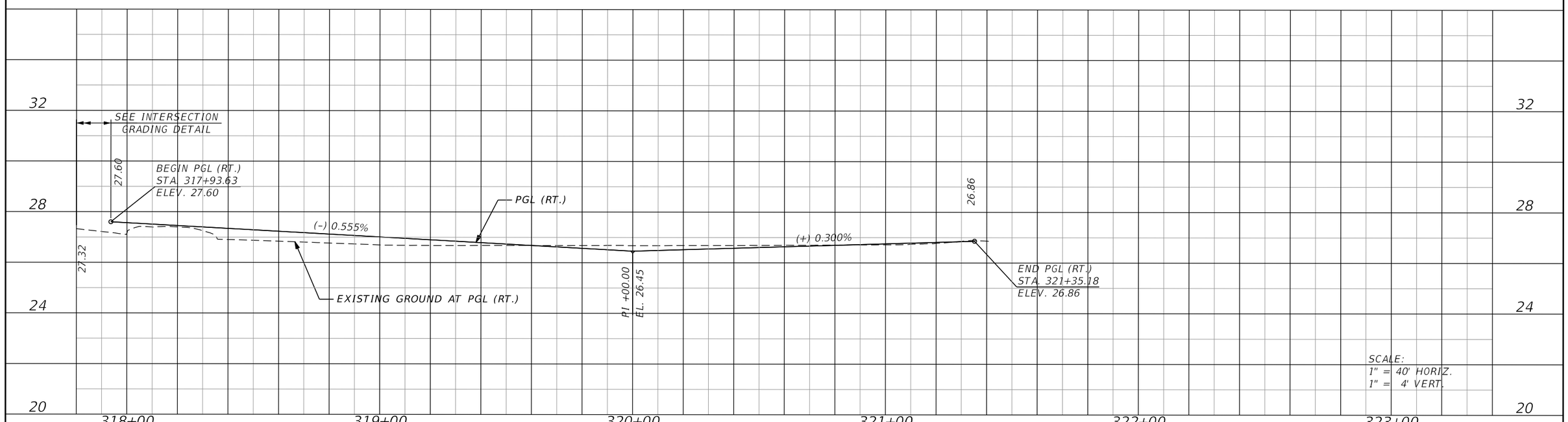
LEFT PROFILE GRADE LINE



RIGHT PROFILE GRADE LINE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

ROADWAY PROFILE (4)
(GRIFFIN DRIVE)

CIP NO.	SHT. NO.
200672	21

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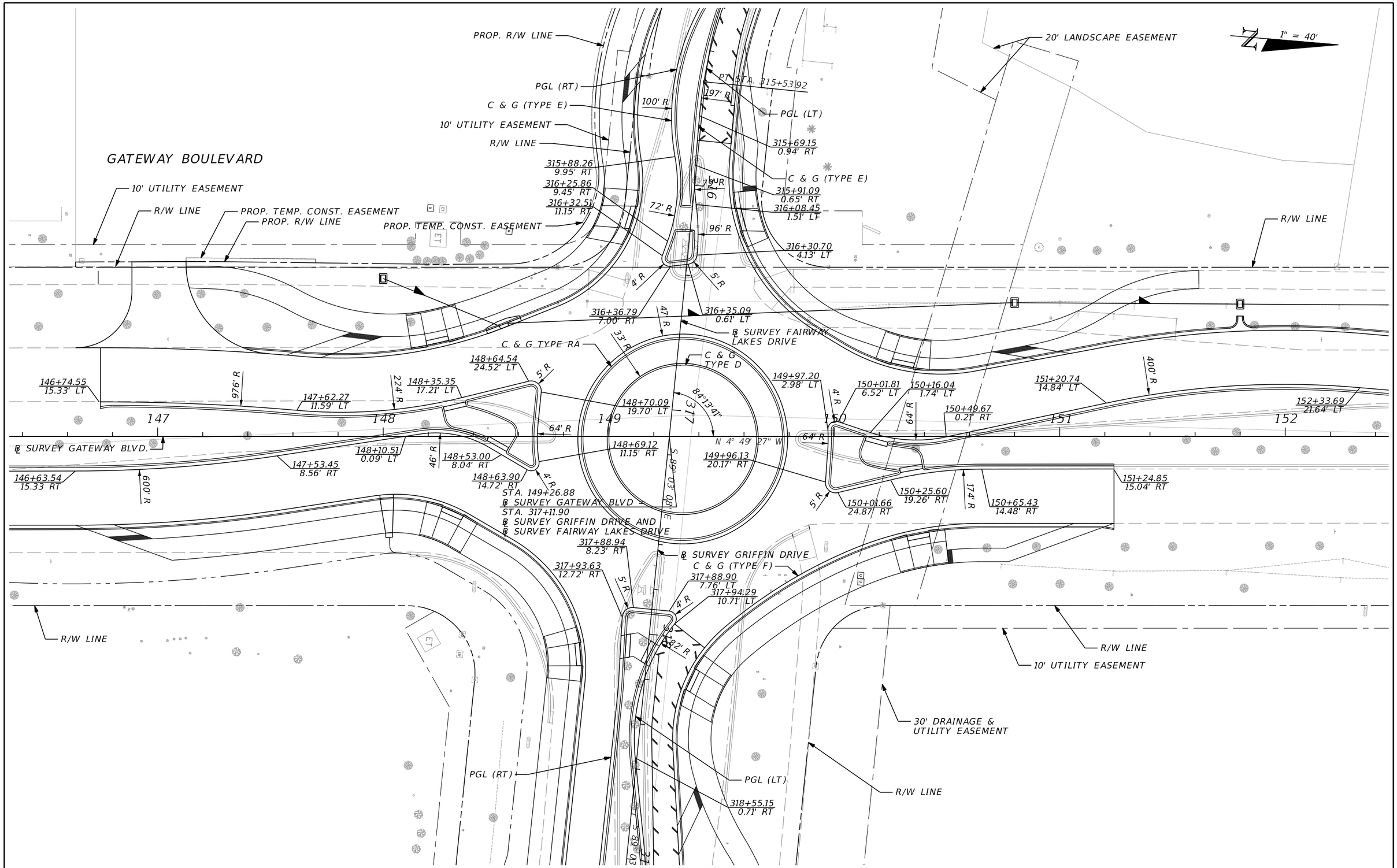

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

INTERSECTION DETAILS

COUNTY PROJECT NO.	SHT. NO.
200672	22

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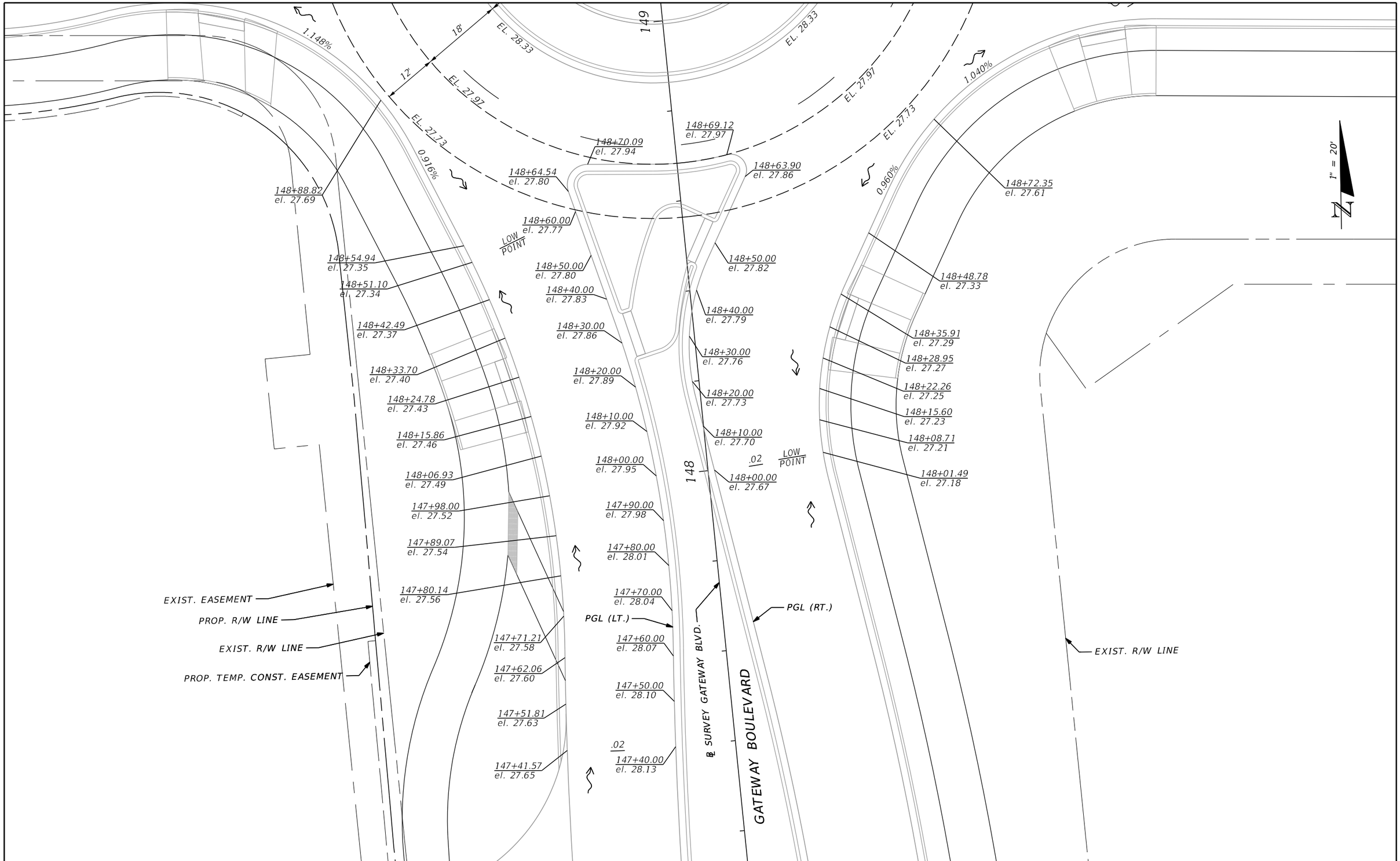

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

INTERSECTION GRADING DETAIL (1)

COUNTY PROJECT NO.	SHT. NO.
200672	23

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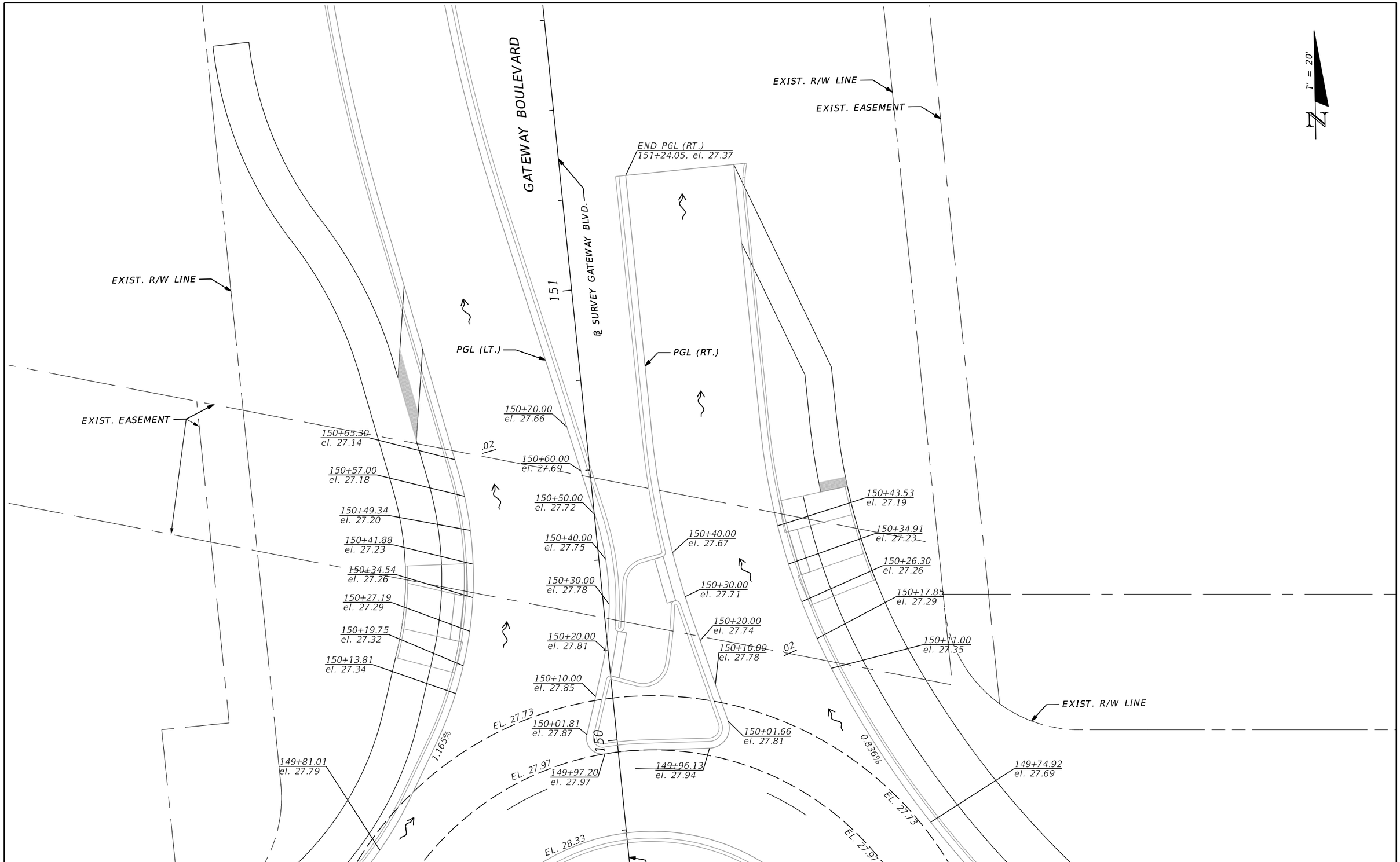
kathleen.agoado 3/30/2020 8:34:56 AM J:\CR044\CR044002.02\ms\roadway\intdrd03.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

INTERSECTION GRADING DETAIL (2)

COUNTY PROJECT NO.	SHT. NO.
200672	24

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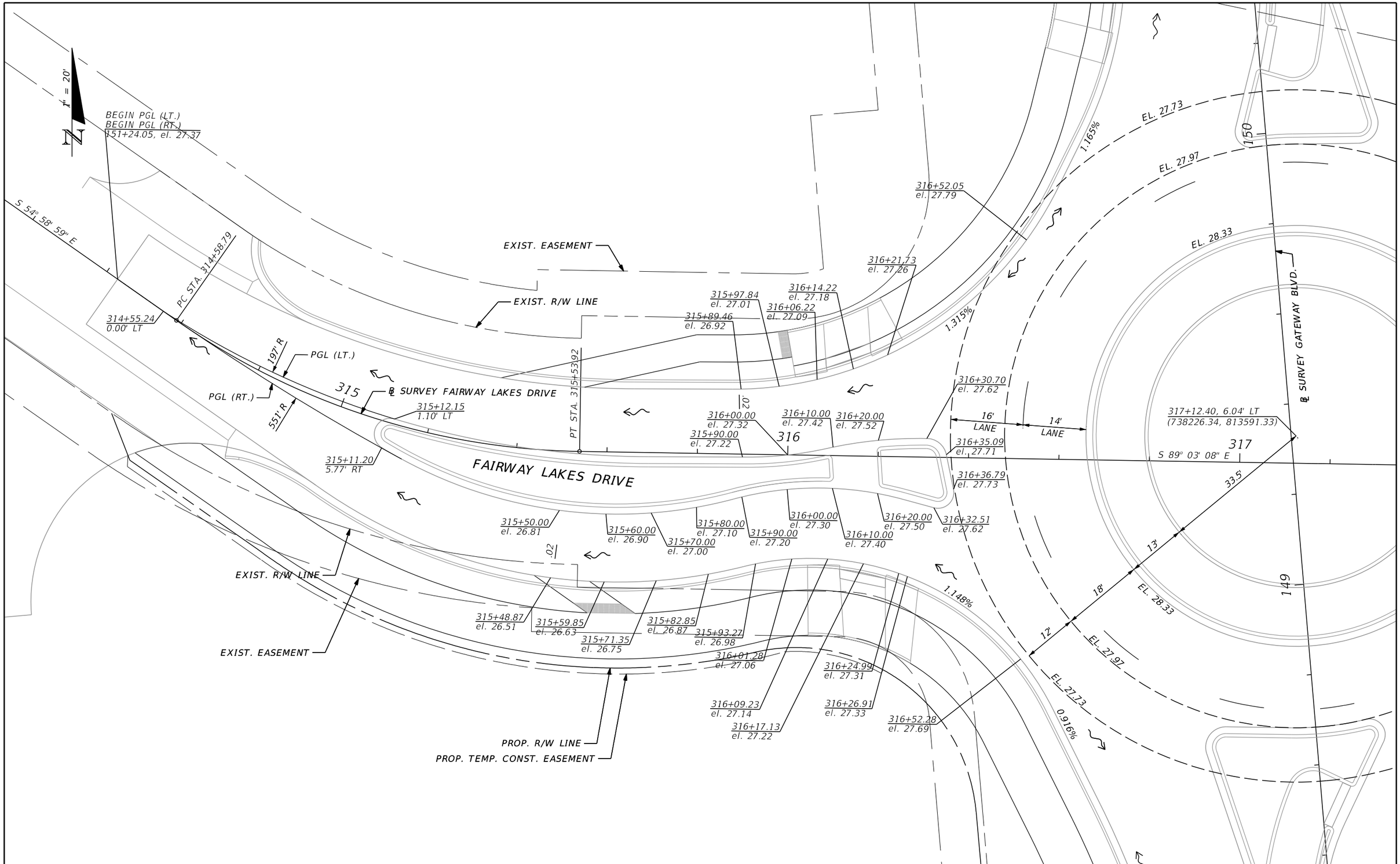

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

INTERSECTION GRADING DETAIL (3)

COUNTY PROJECT NO.	SHT. NO.
200672	25

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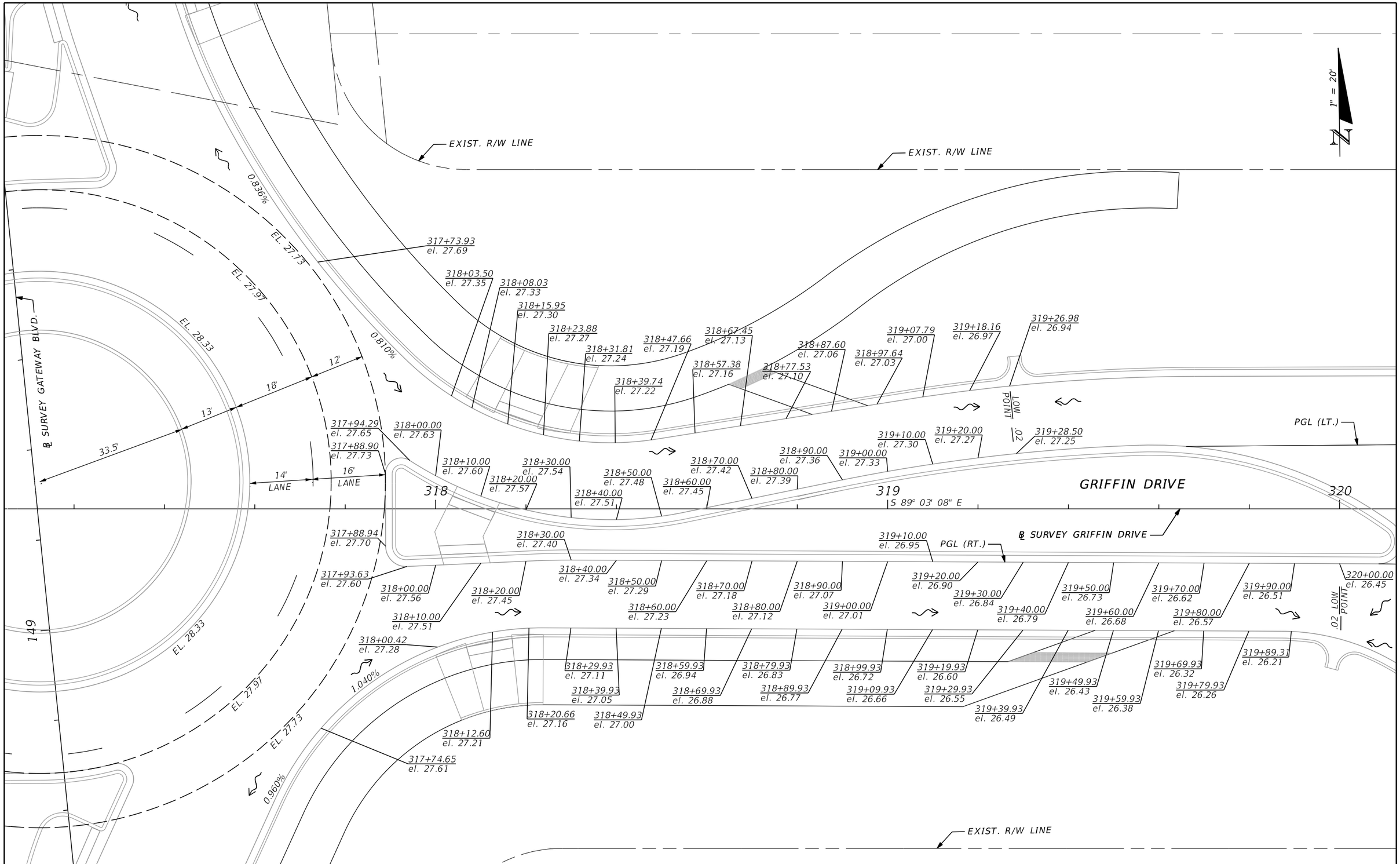

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

INTERSECTION GRADING DETAIL (4)

COUNTY PROJECT NO.	SHT. NO.
200672	26

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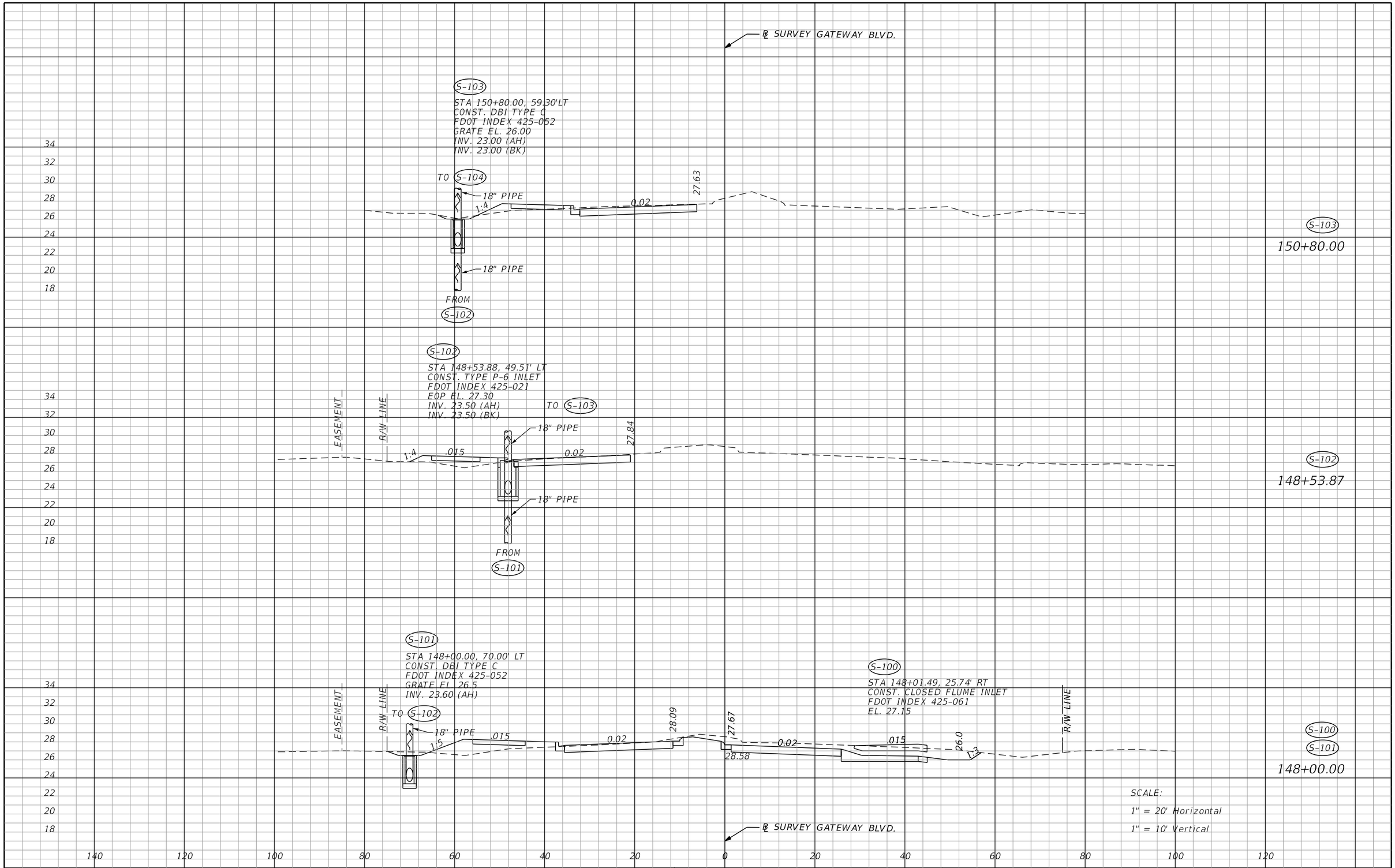


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67350
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

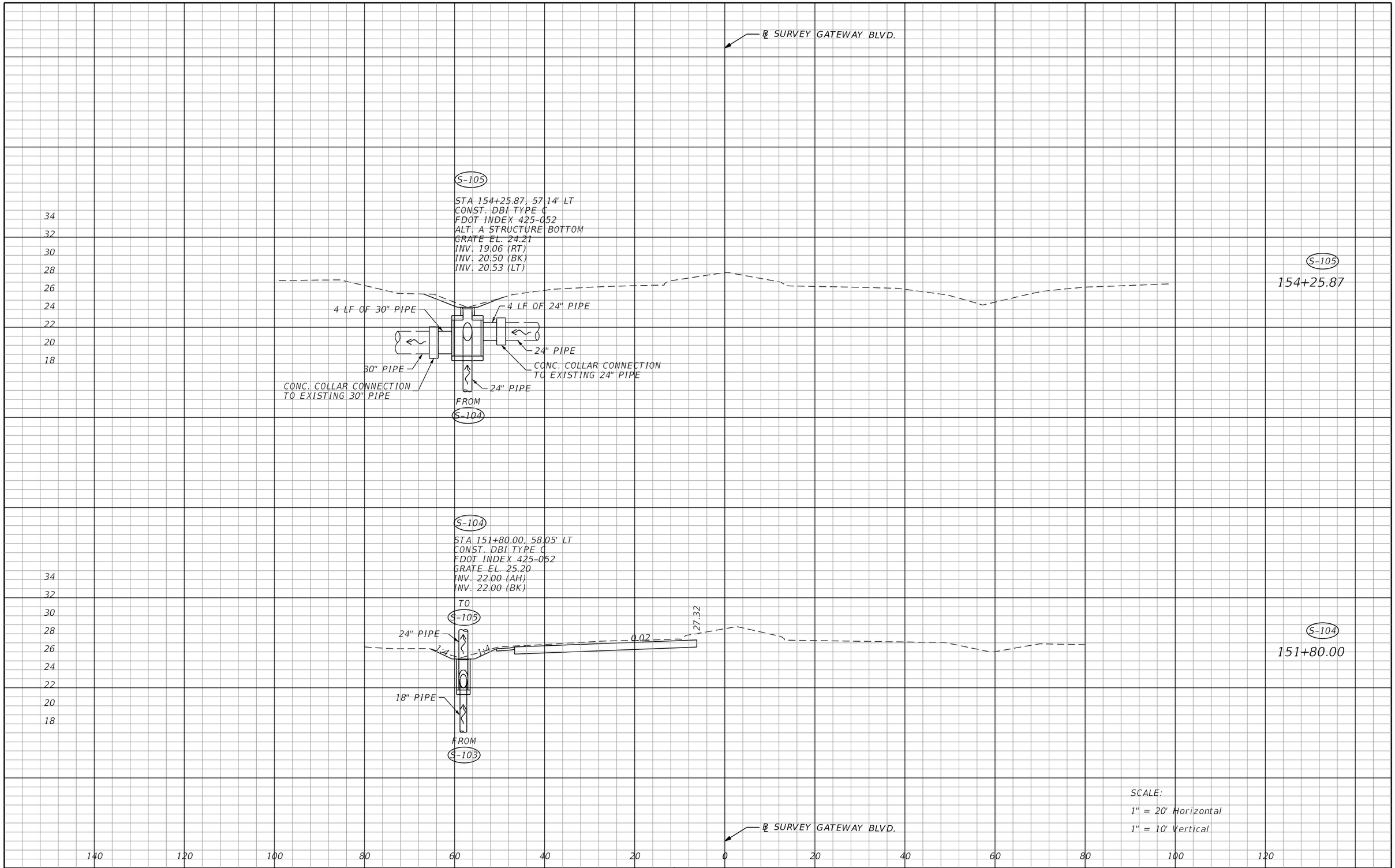
Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

DRAINAGE STRUCTURES (1)

CIP NO.	SHT. NO.
200672	27

kathleen.agoado 3/30/2020 8:36:50 AM J:\CR044\CR044002.02\ms\drainage\DRXSRD01.dgn



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

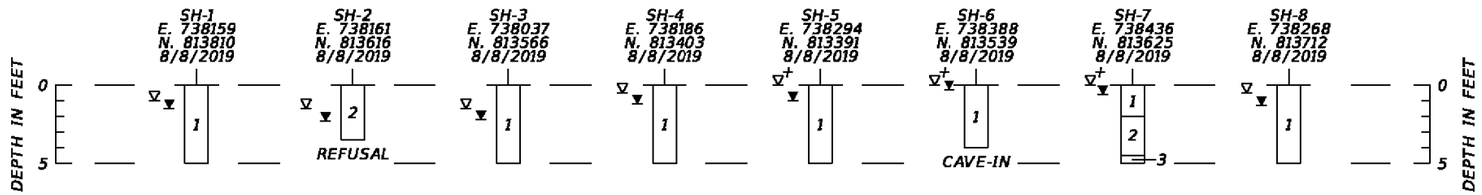
CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67350
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

DRAINAGE STRUCTURES (2)

CIP NO.	SHT. NO.
200672	28



LEGEND

1.	GRAY TO BROWN SAND TO SAND WITH SILT SOMETIMES WITH LIMEROCK FRAGMENTS (A-3)
2.	LIGHT BROWN SILTY SAND SOMETIMES WITH LIMEROCK FRAGMENTS (A-2-4)
3.	LIGHT BROWN CLAYEY SAND (A-2-6)
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW.
∇	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
▼	GROUNDWATER LEVEL ENCOUNTERED DURING FIELD EXPLORATIONS
∇+	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE IS ABOVE THE EXISTING GROUND SURFACE
REFUSAL	BOREHOLE REFUSAL DUE TO LIMEROCK
CAVE-IN	BOREHOLE CAVE-IN DUE TO GROUNDWATER INTRUSION
EASTING	EASTING COORDINATE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA WEST ZONE, N.A.D. 83.
NORTHING	NORTHING COORDINATE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA WEST ZONE, N.A.D. 83.

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

KEVIN H. SCOTT, P.E.
P.E. LICENSE NUMBER 65514
TIERRA, INC.
7351 TEMPLE TERRACE HIGHWAY
TAMPA, FLORIDA 33637
CERTIFICATE OF AUTHORIZATION 6486

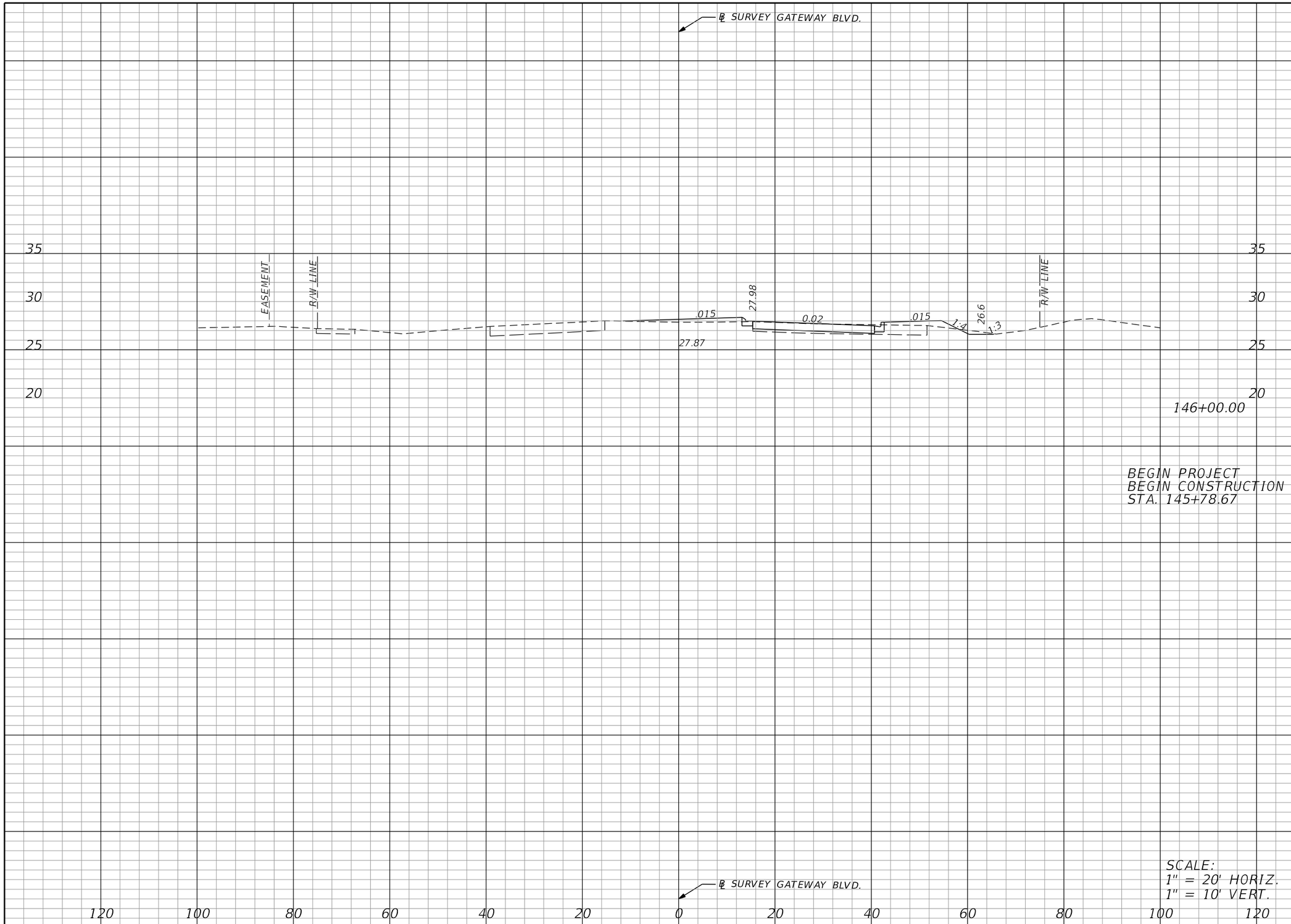
Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

ROADWAY SOIL SURVEY

COUNTY PROJECT NO. 200672

SHT. NO. 29



Regular Exc.		Embankment	
A	V	A	V

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	30

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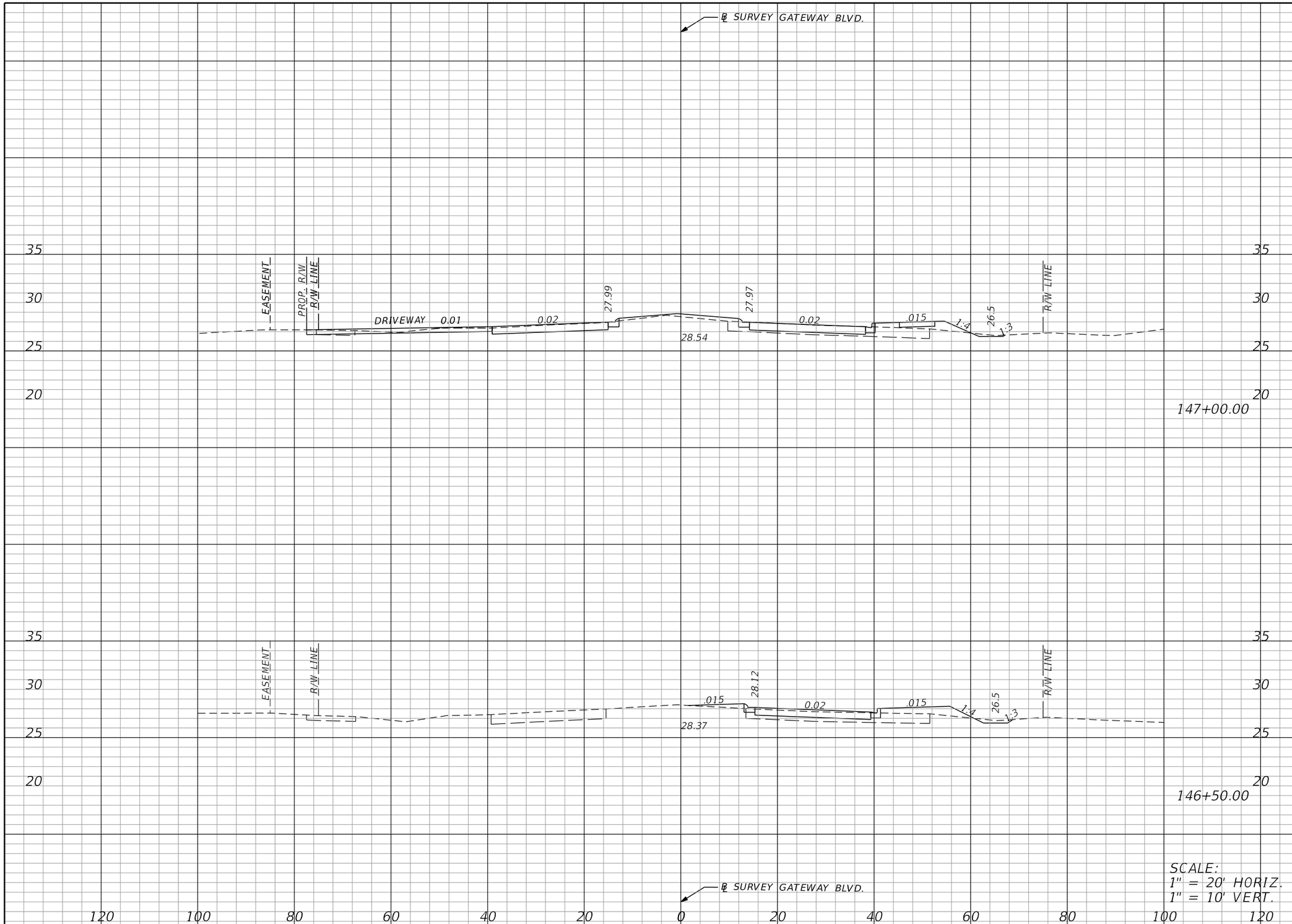

Regular Exc.		Embankment	
A	V	A	V

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
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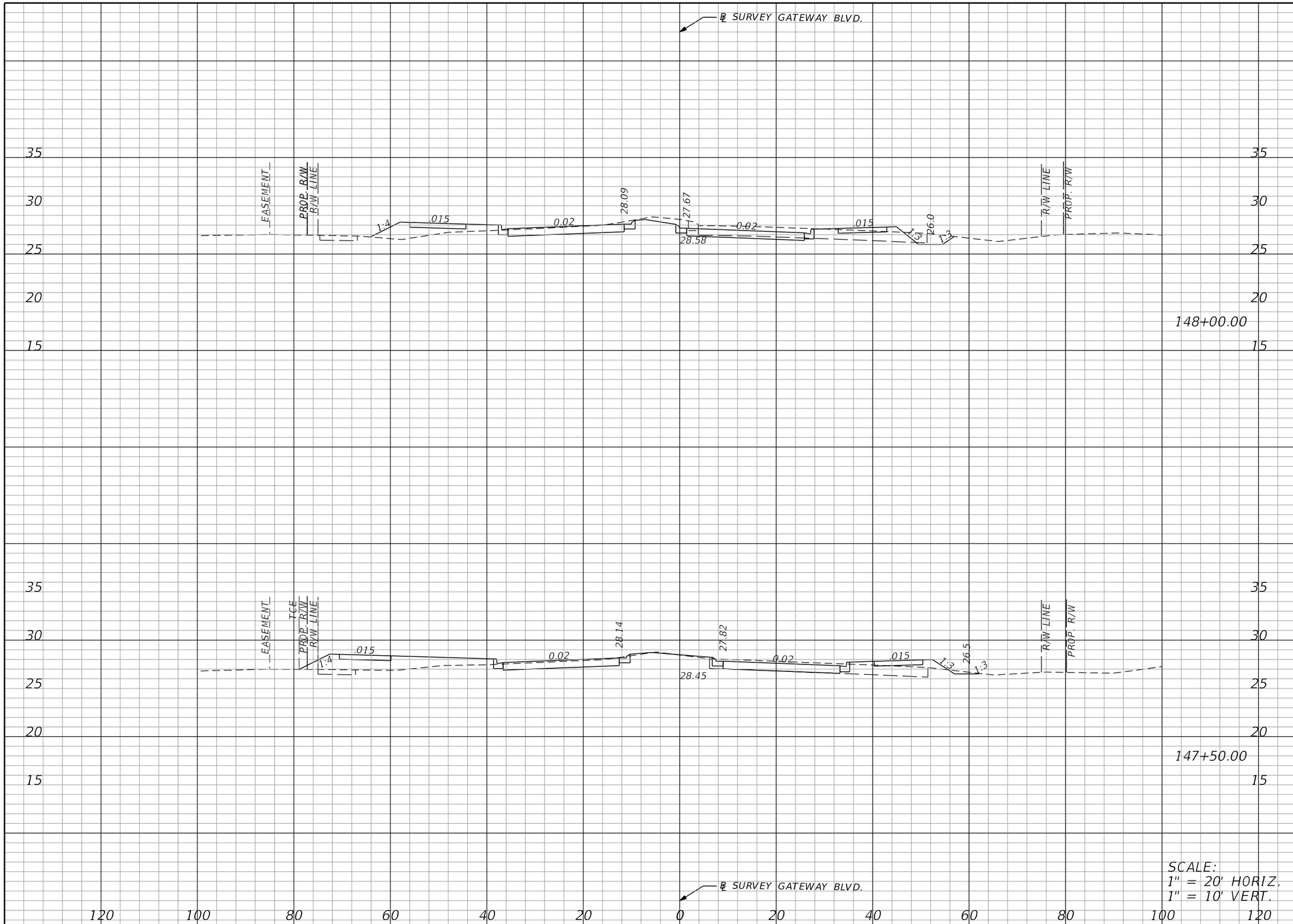
Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	31

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



Regular Exc.		Embankment	
A	V	A	V

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

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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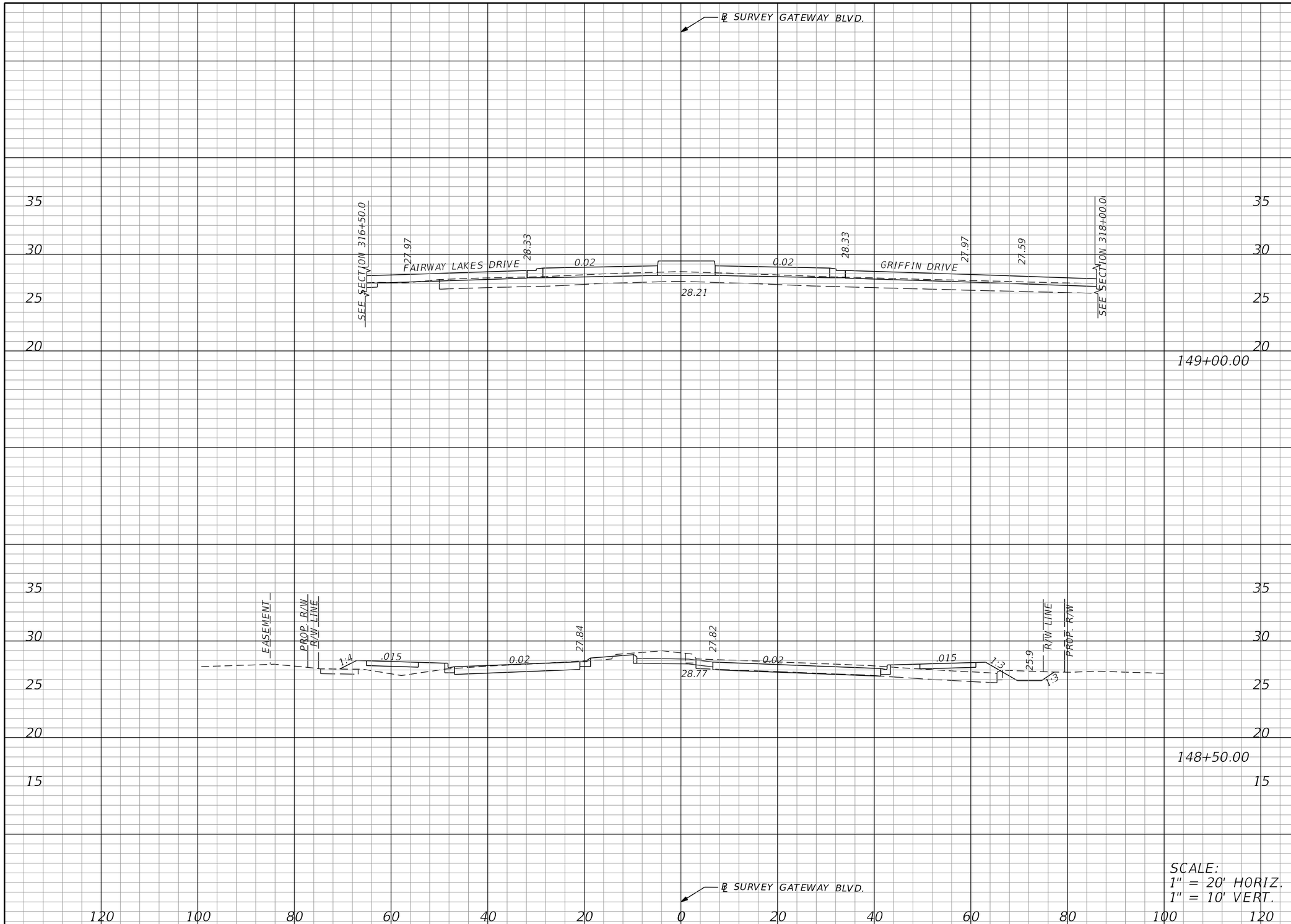
Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	32



Regular Exc.		Embankment	
A	V	A	V

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

JASON Y. YAM, P.E.
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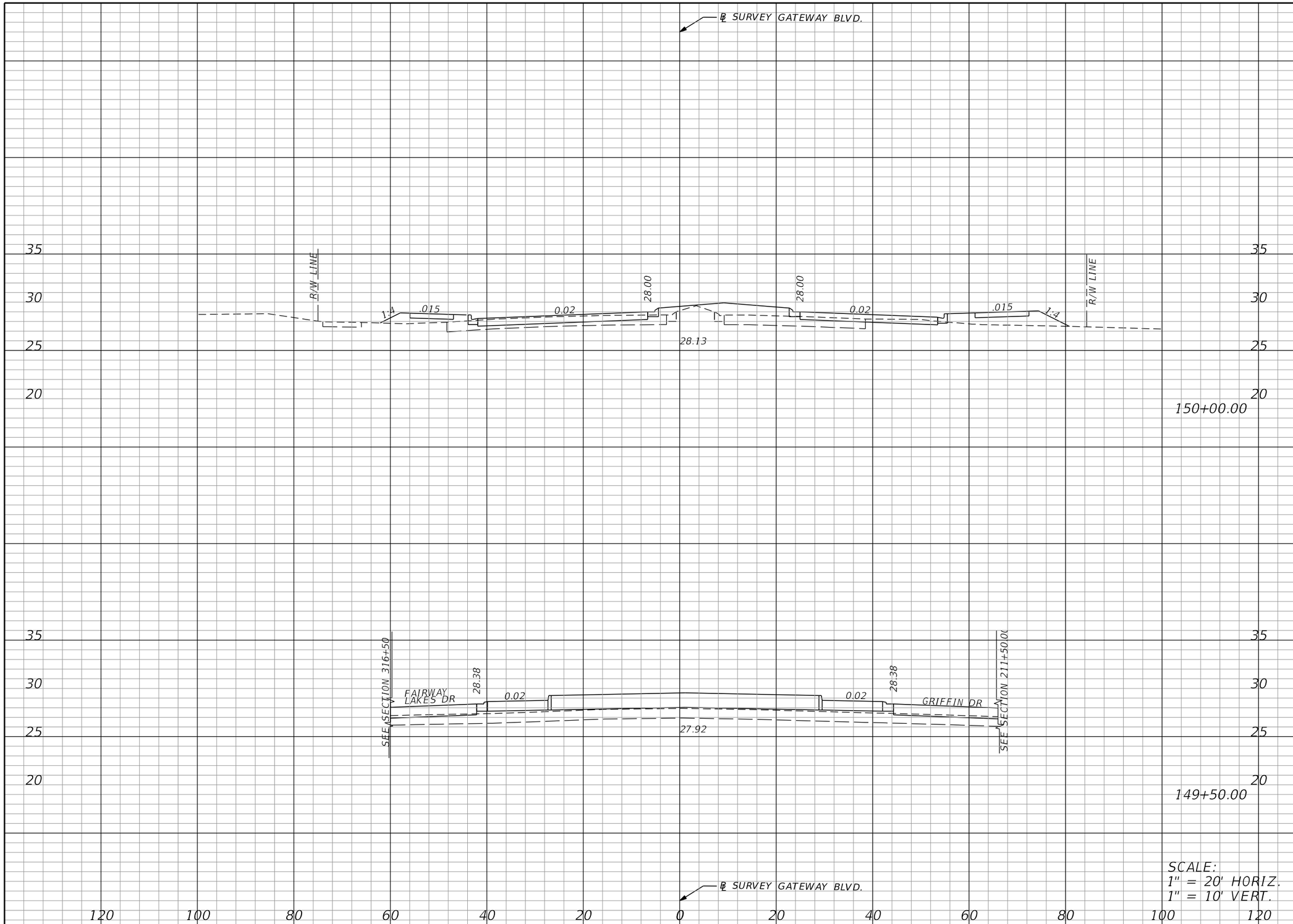
Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS
(GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	33



Regular Exc.		Embankment	
A	V	A	V

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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CERTIFICATE OF AUTHORIZATION 29915

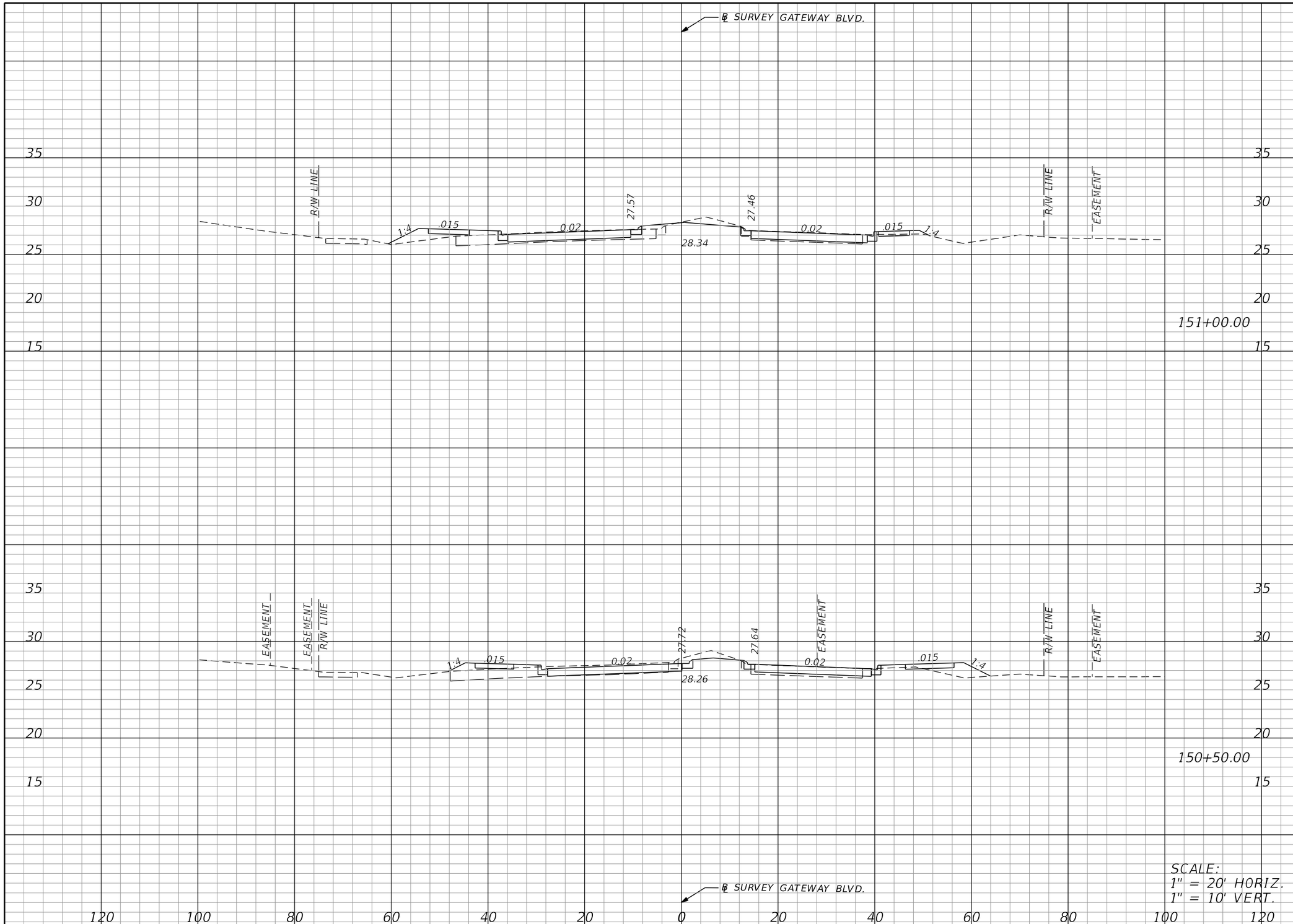
Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	34

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



Regular Exc.		Embankment	
A	V	A	V

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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CERTIFICATE OF AUTHORIZATION 29915

Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	35

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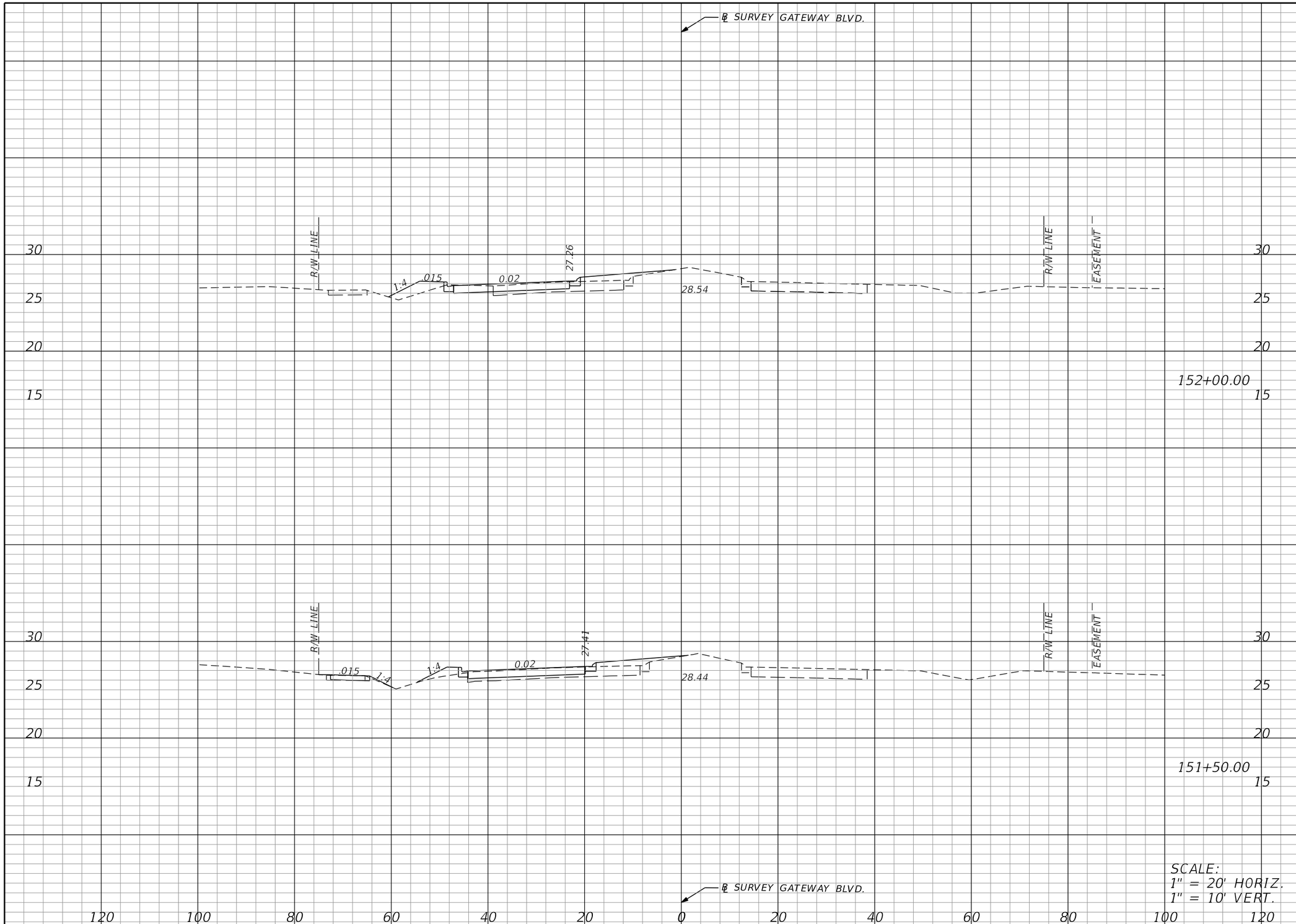

Regular Exc.		Embankment	
A	V	A	V

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

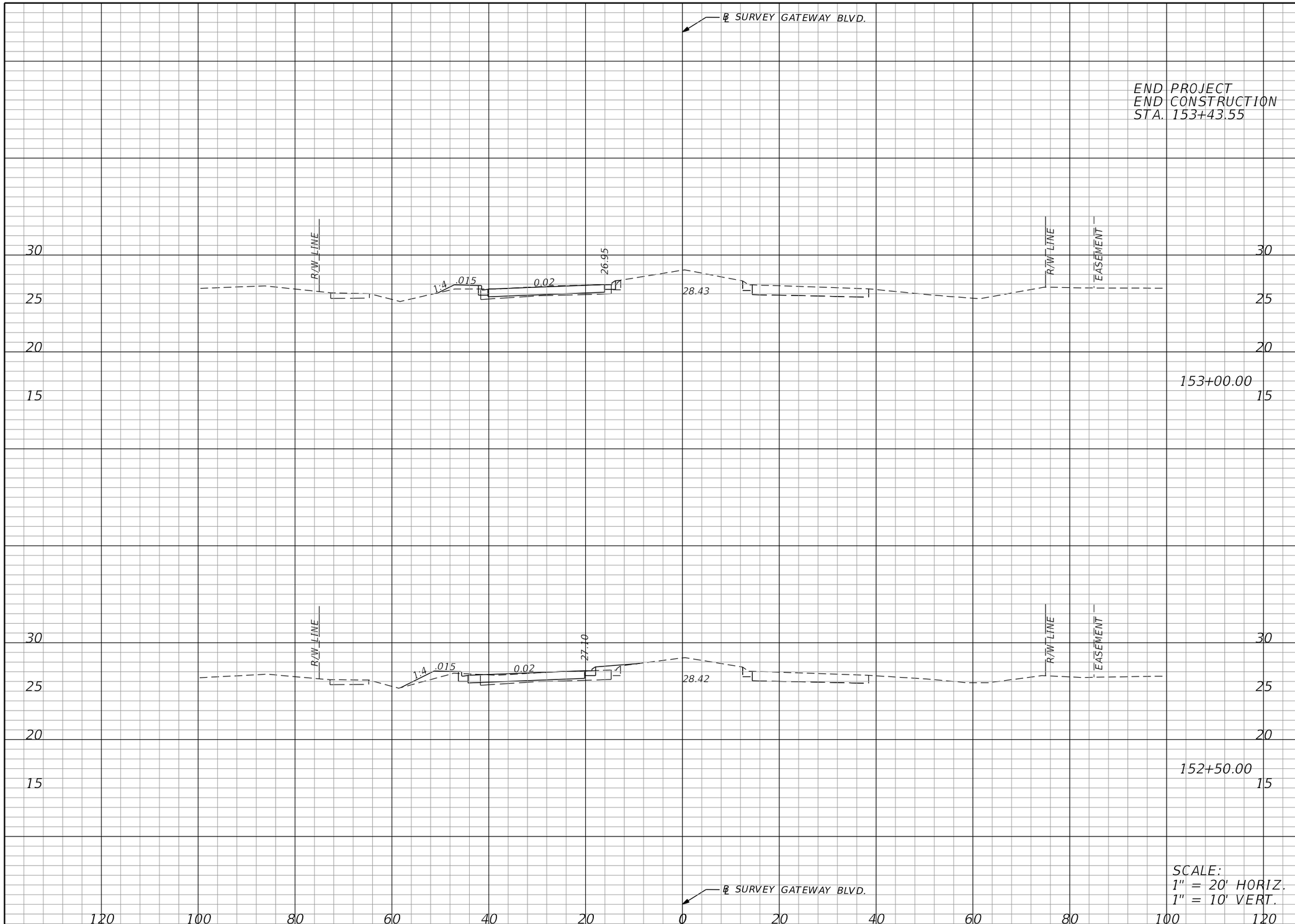
JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	36



Regular Exc.		Embankment	
A	V	A	V

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
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Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GATEWAY BOULEVARD)

CIP NO.	SHT. NO.
200672	37

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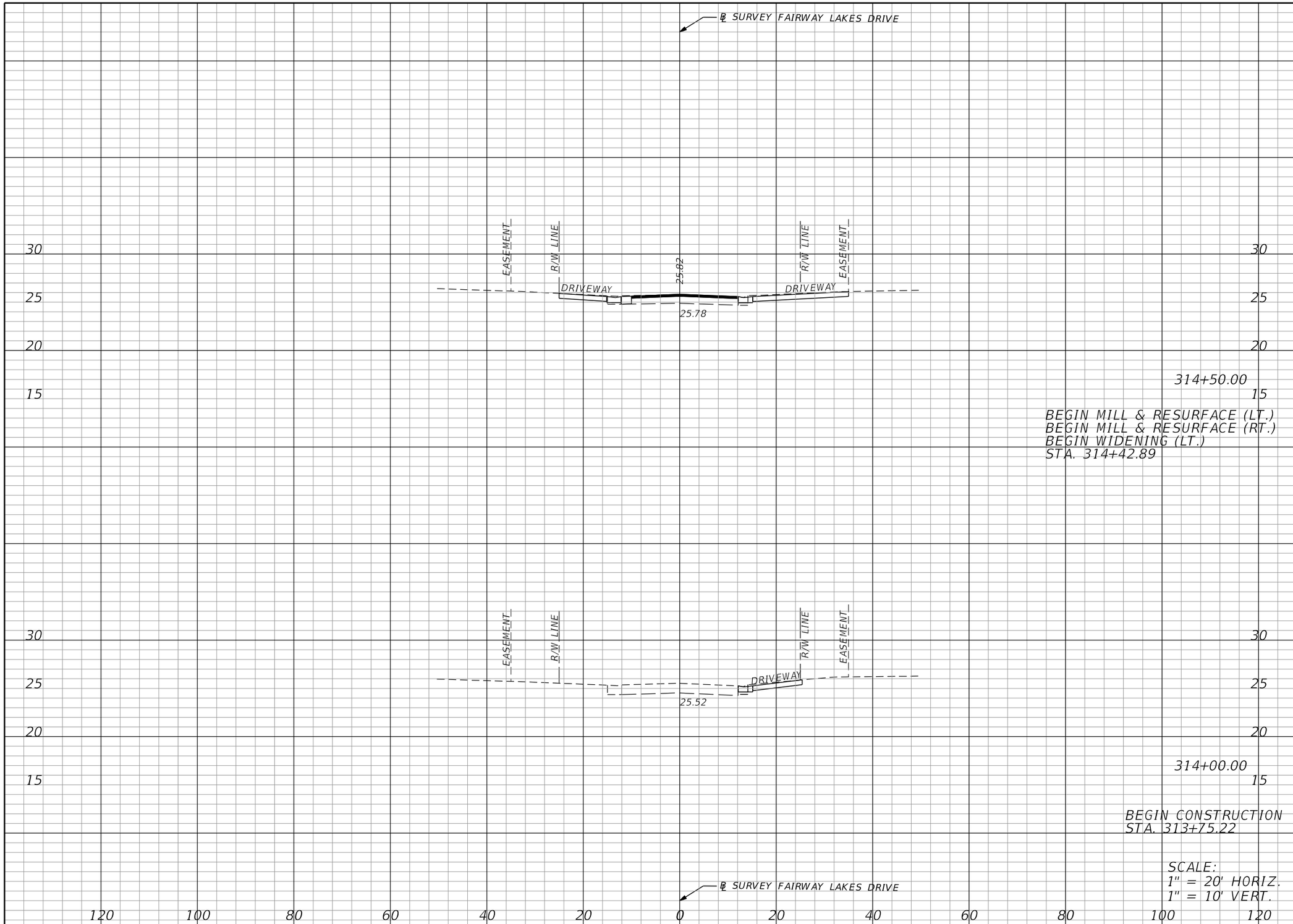

Regular Exc.		Embankment	
A	V	A	V

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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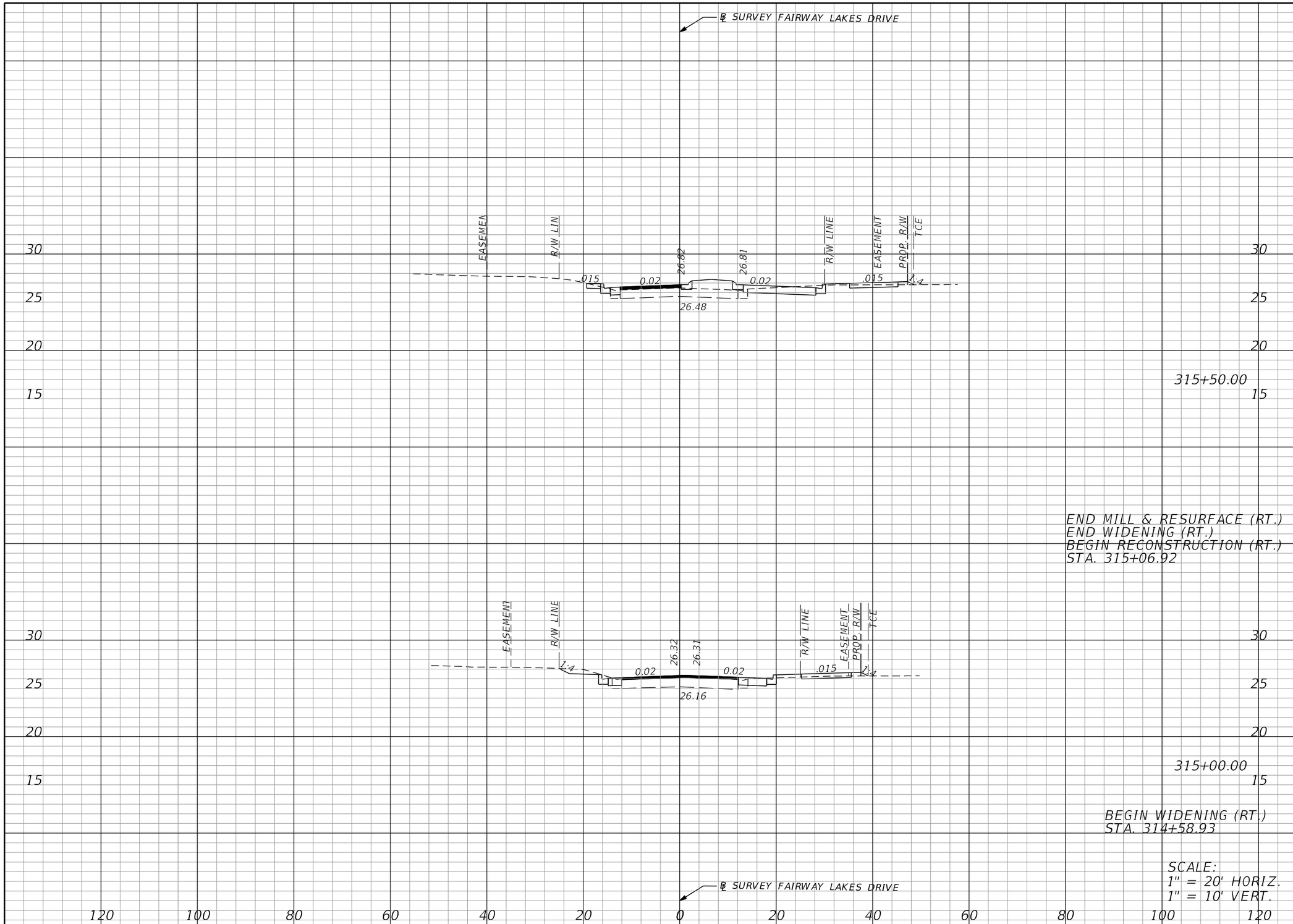
Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (FAIRWAY LAKES DRIVE)

CIP NO.	SHT. NO.
200672	38



Regular Exc.		Embankment	
A	V	A	V

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
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DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (FAIRWAY LAKES DRIVE)

CIP NO.	SHT. NO.
200672	39

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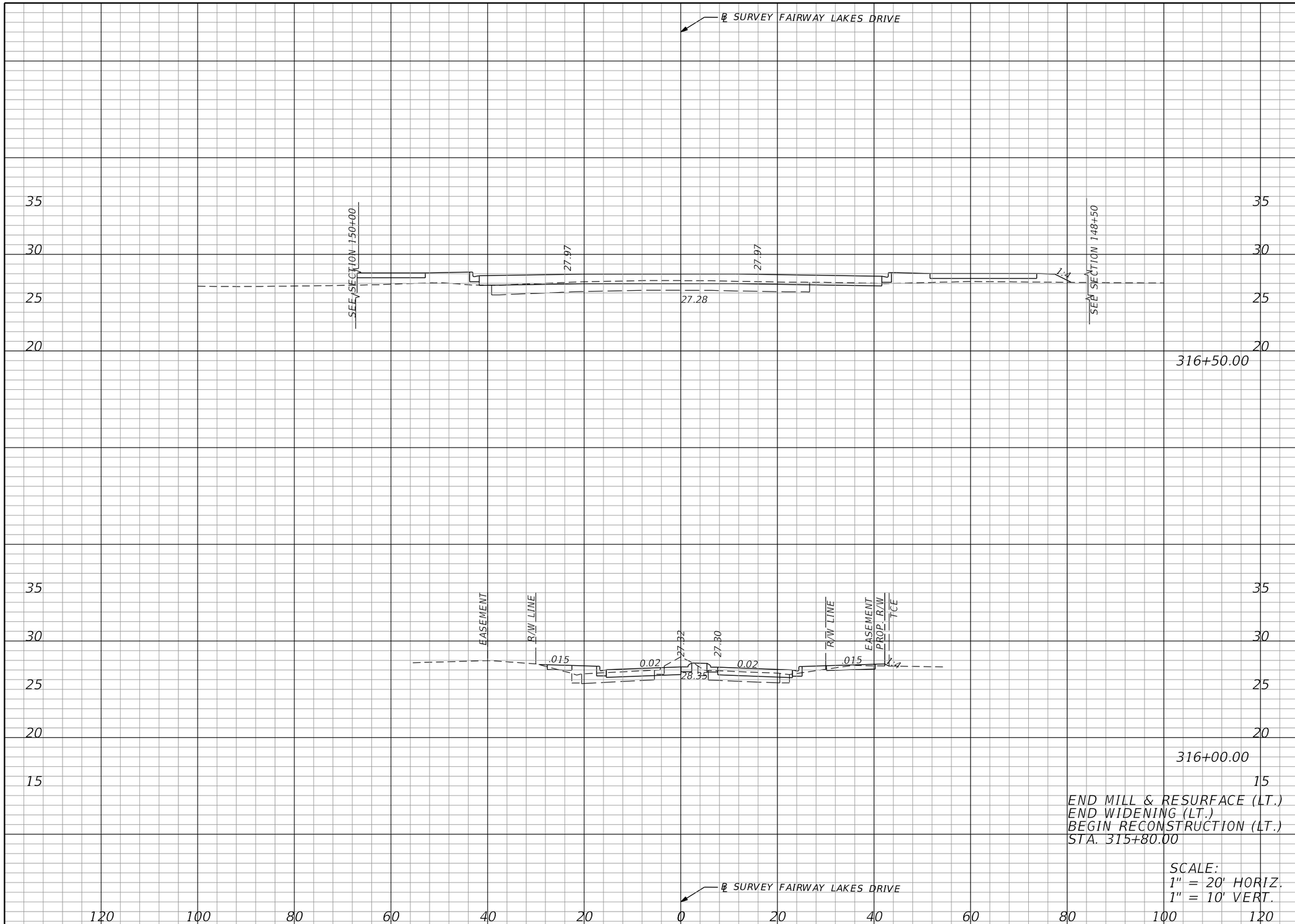

Regular Exc.		Embankment	
A	V	A	V

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
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DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (FAIRWAY LAKES DRIVE)

CIP NO.	SHT. NO.
200672	40

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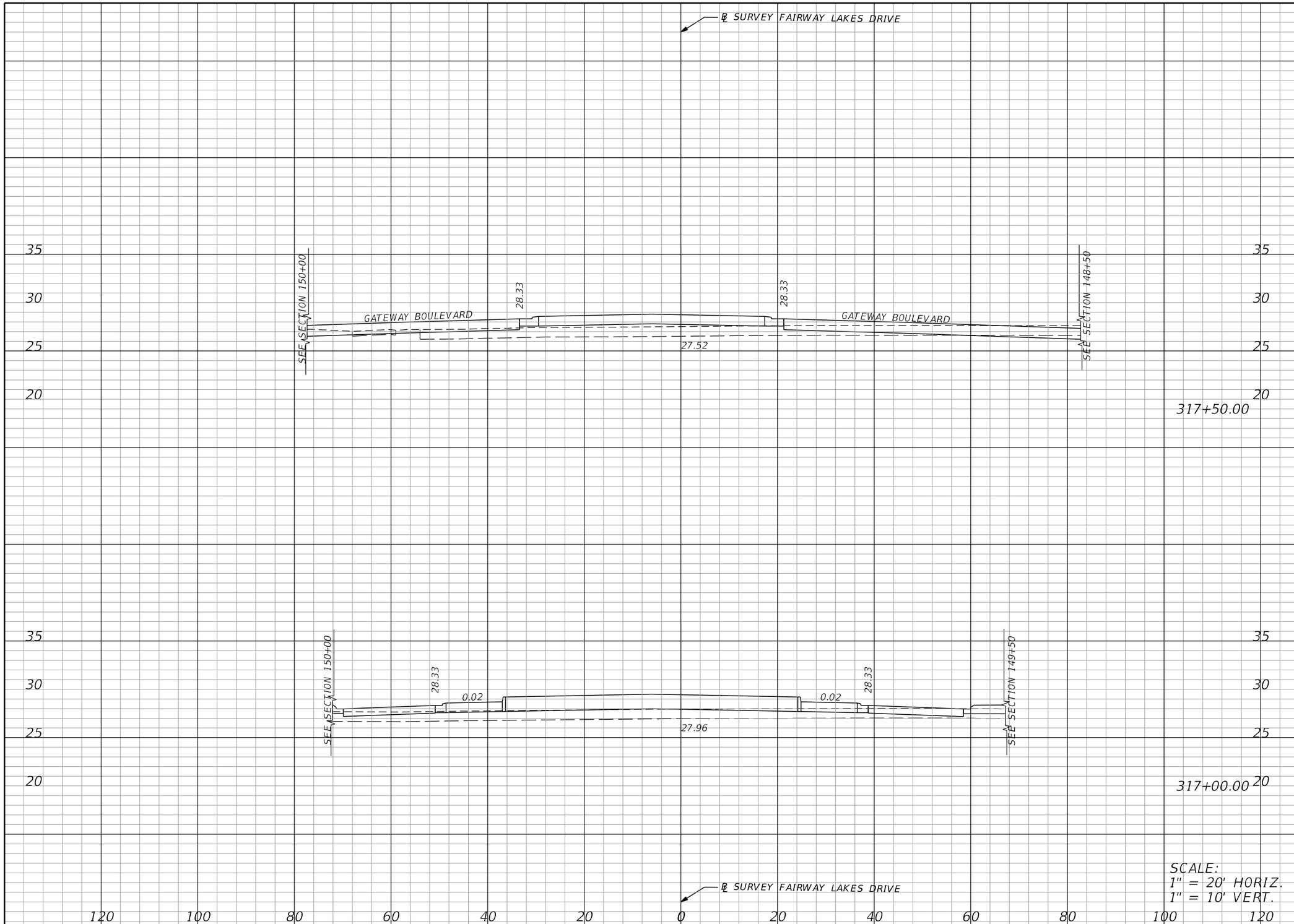

Regular Exc.		Embankment	
A	V	A	V

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REVISIONS			
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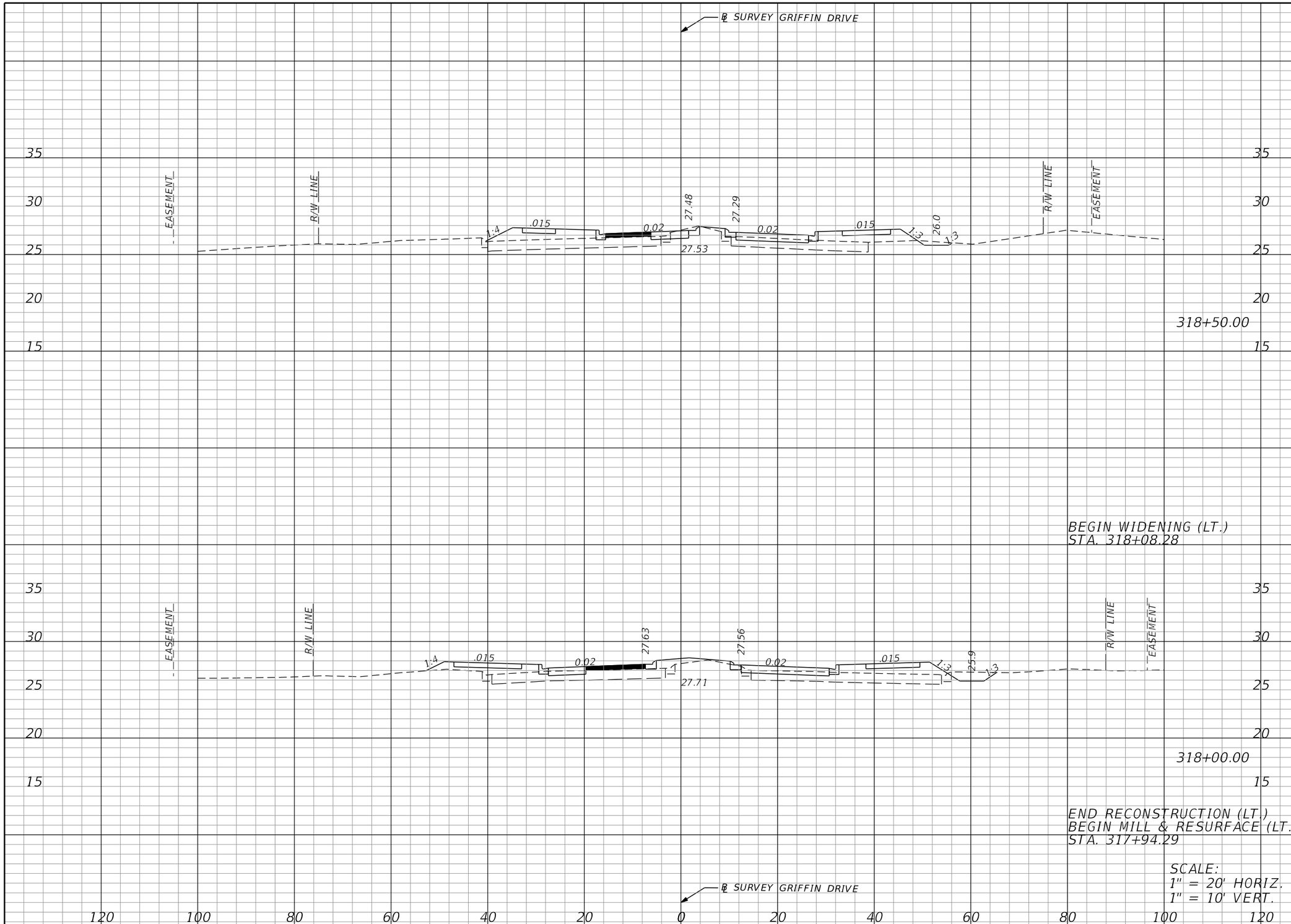
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (FAIRWAY LAKES DRIVE)

CIP NO.	SHT. NO.
200672	41



Regular Exc.		Embankment	
A	V	A	V

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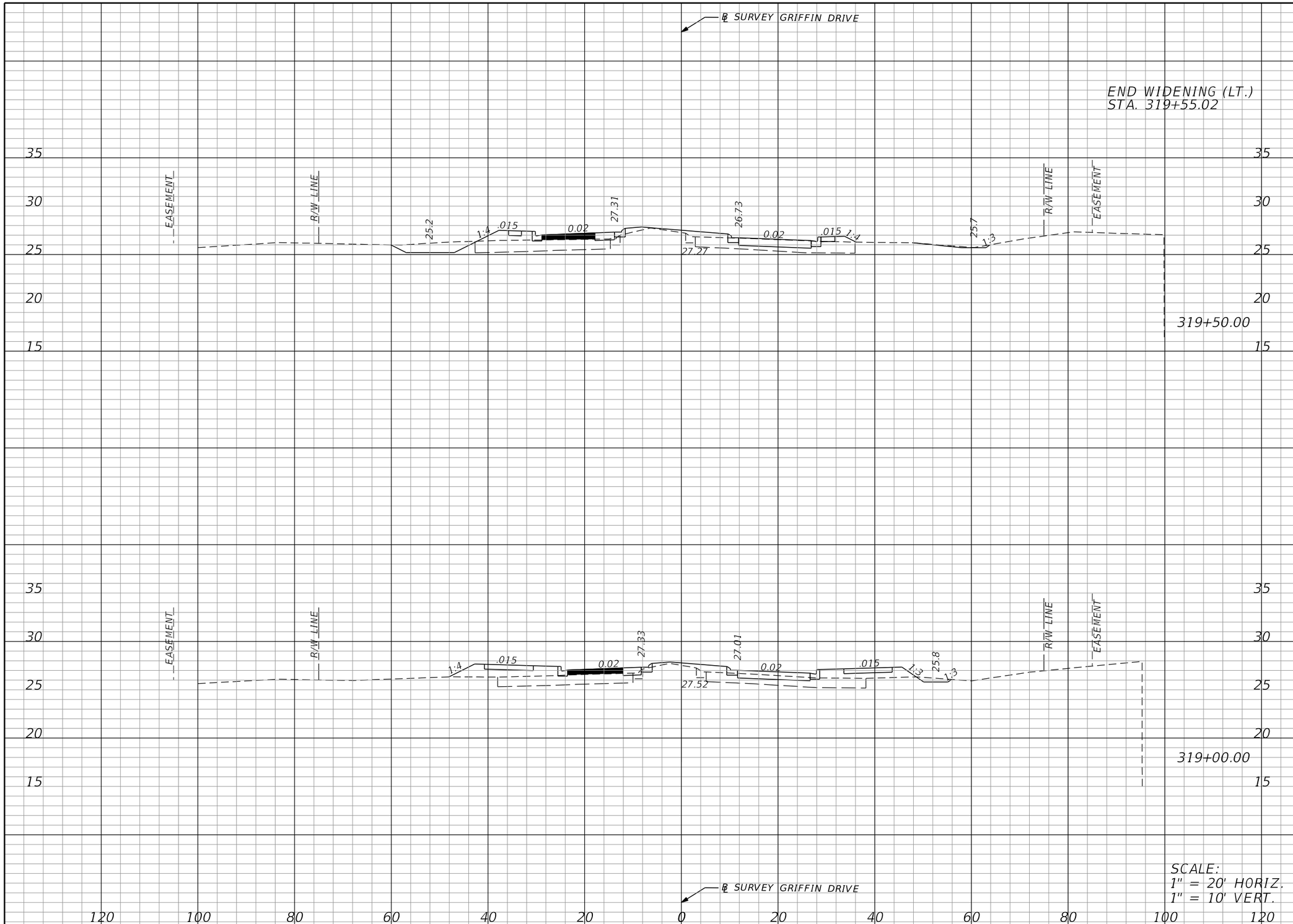
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GRIFFIN DRIVE)

CIP NO.	SHT. NO.
200672	42



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

Regular Exc.		Embankment	
A	V	A	V

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
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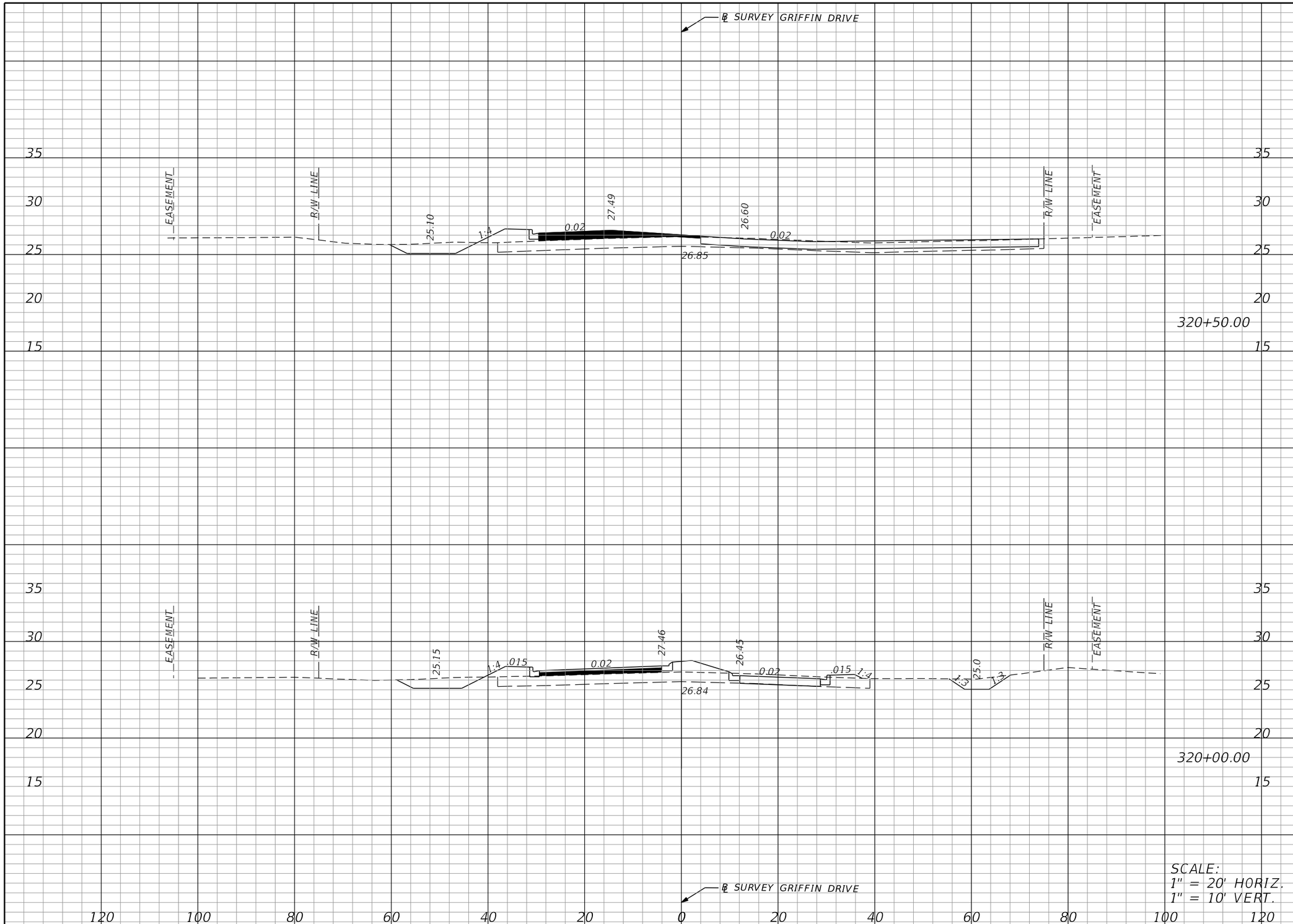
Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GRIFFIN DRIVE)

CIP NO.	SHT. NO.
200672	43

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



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

Regular Exc.		Embankment	
A	V	A	V

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
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Southwest Florida
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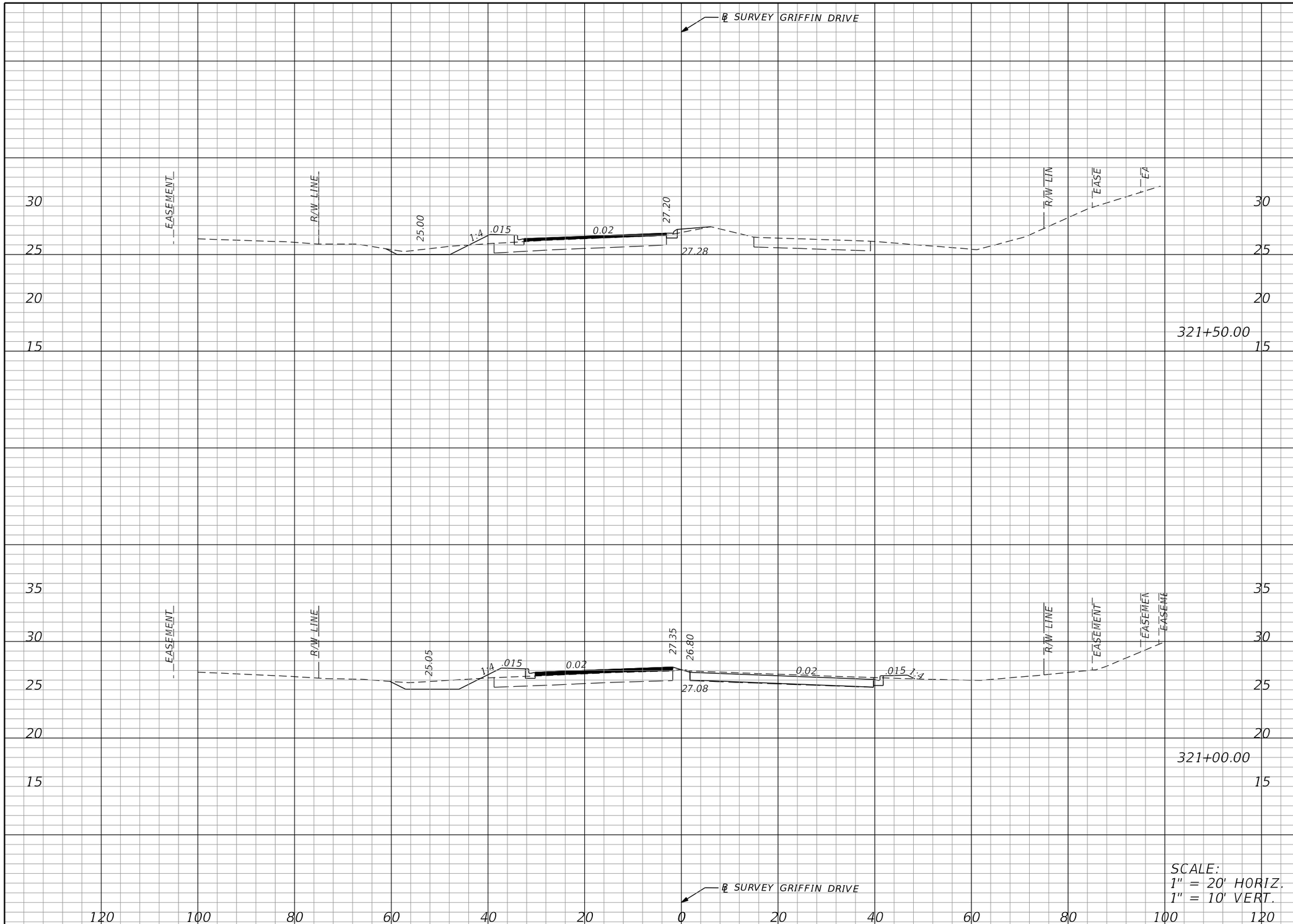
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GRIFFIN DRIVE)

CIP NO.	SHT. NO.
200672	44



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

Regular Exc.		Embankment	
A	V	A	V

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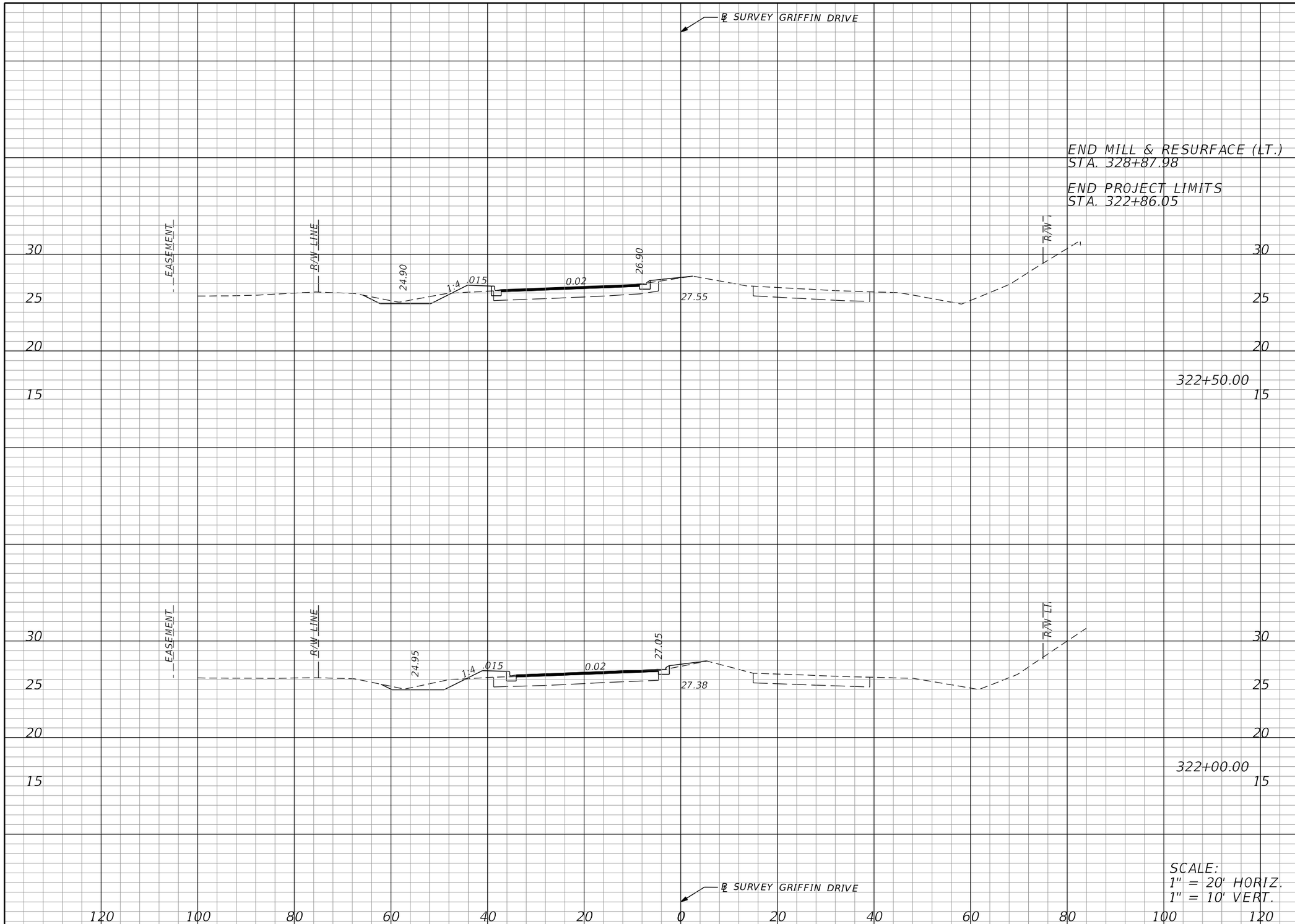
Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GRIFFIN DRIVE)

CIP NO.	SHT. NO.
200672	45



Regular Exc.		Embankment	
A	V	A	V

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REVISIONS			
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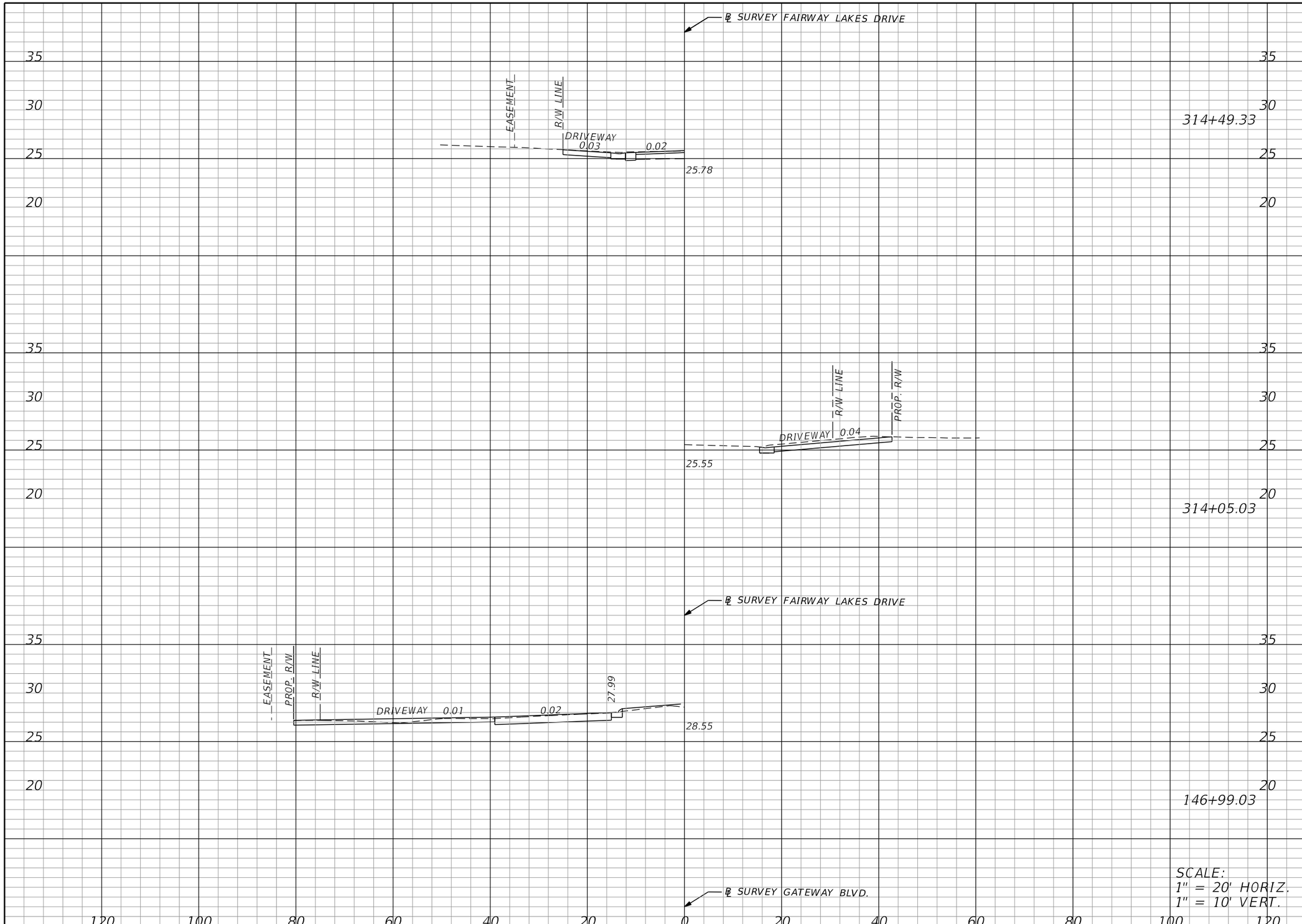
Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

CROSS SECTIONS (GRIFFIN DRIVE)

CIP NO.	SHT. NO.
200672	46



Regular Exc.		Embankment	
A	V	A	V

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

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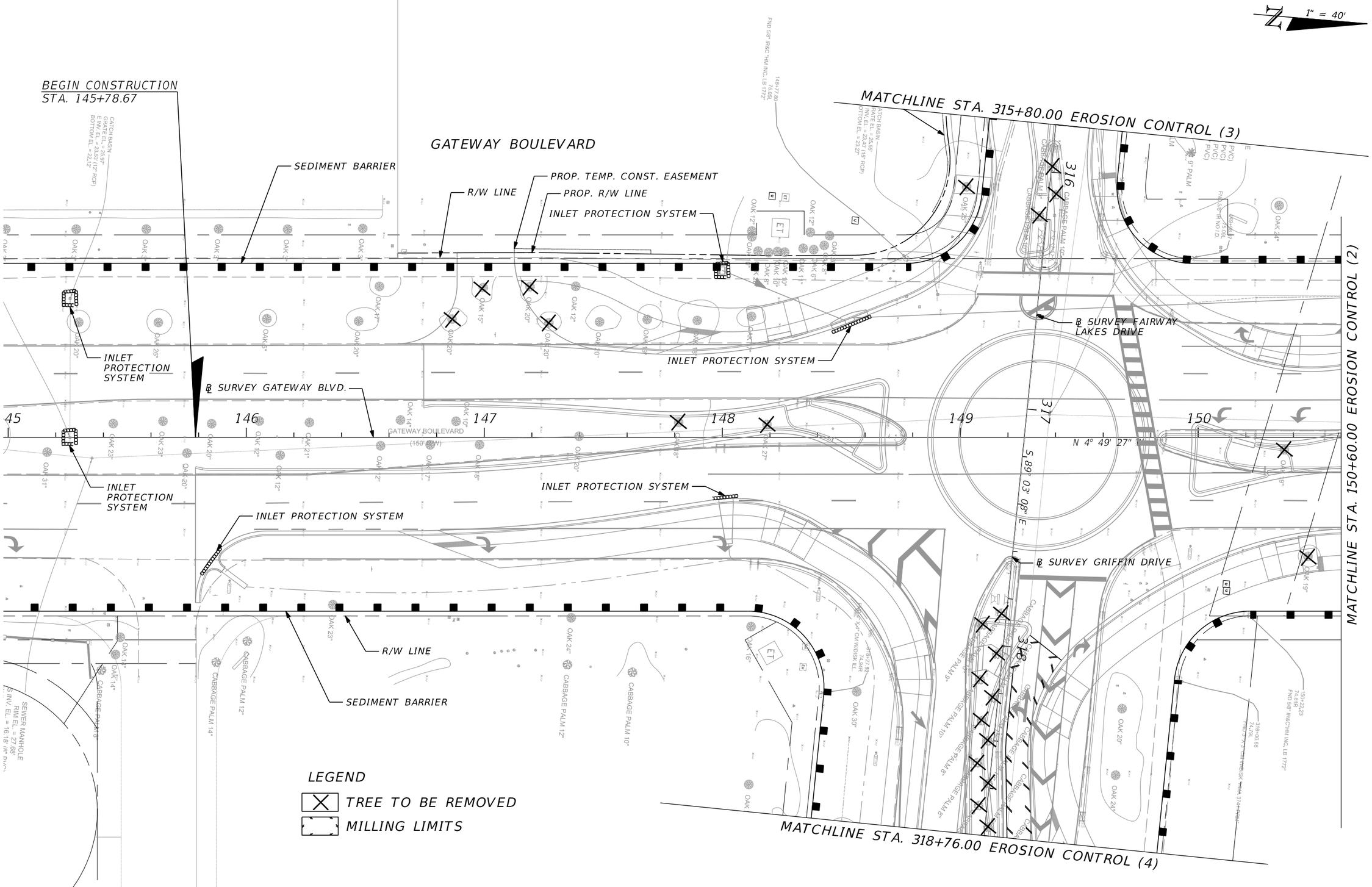
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

DRIVEWAY HALF SECTIONS

CIP NO.	SHT. NO.
200672	47



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Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

EROSION CONTROL (1)

COUNTY PROJECT NO.	SHT. NO.
200672	48

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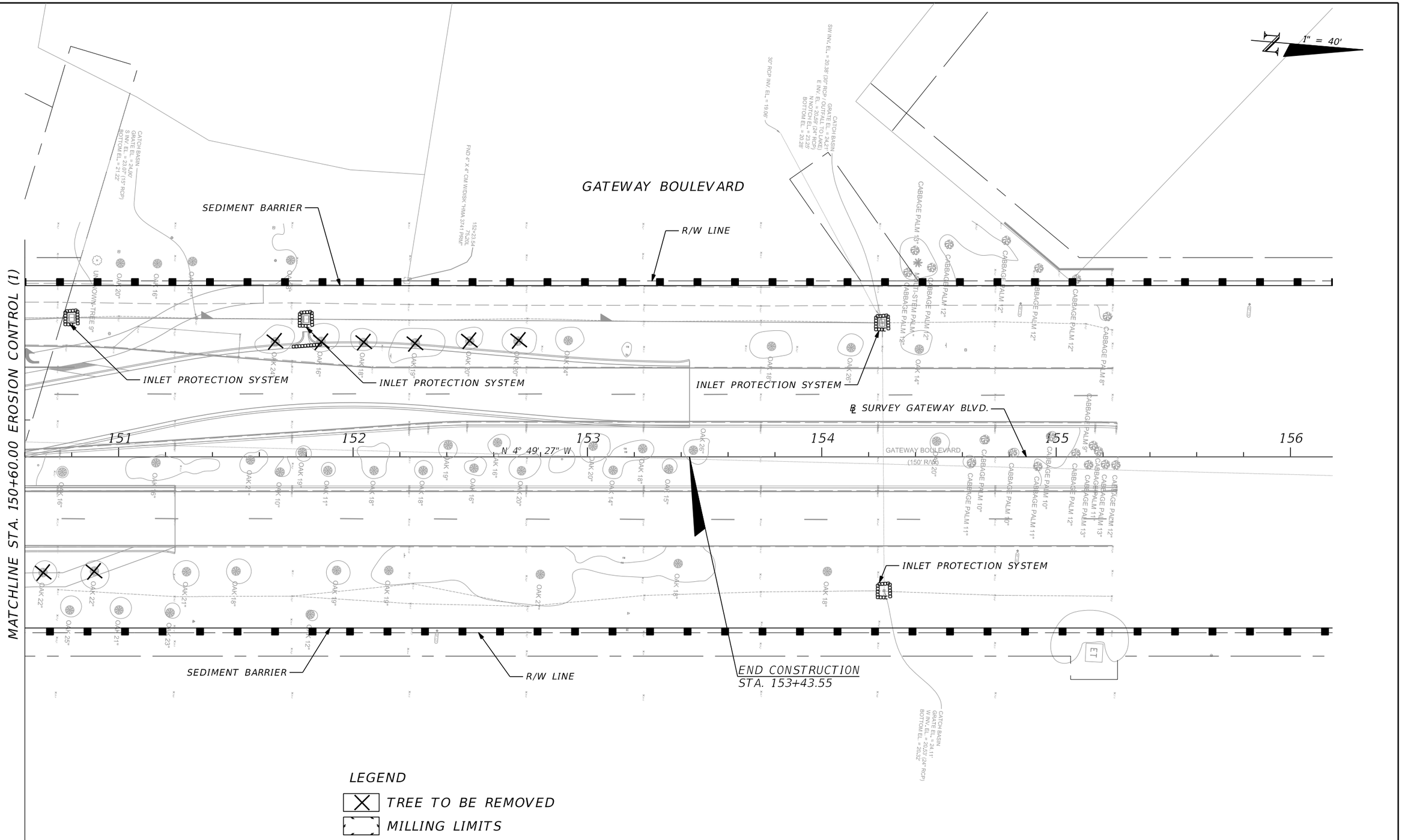

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Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

EROSION CONTROL (2)

COUNTY PROJECT NO.	SHT. NO.
200672	49

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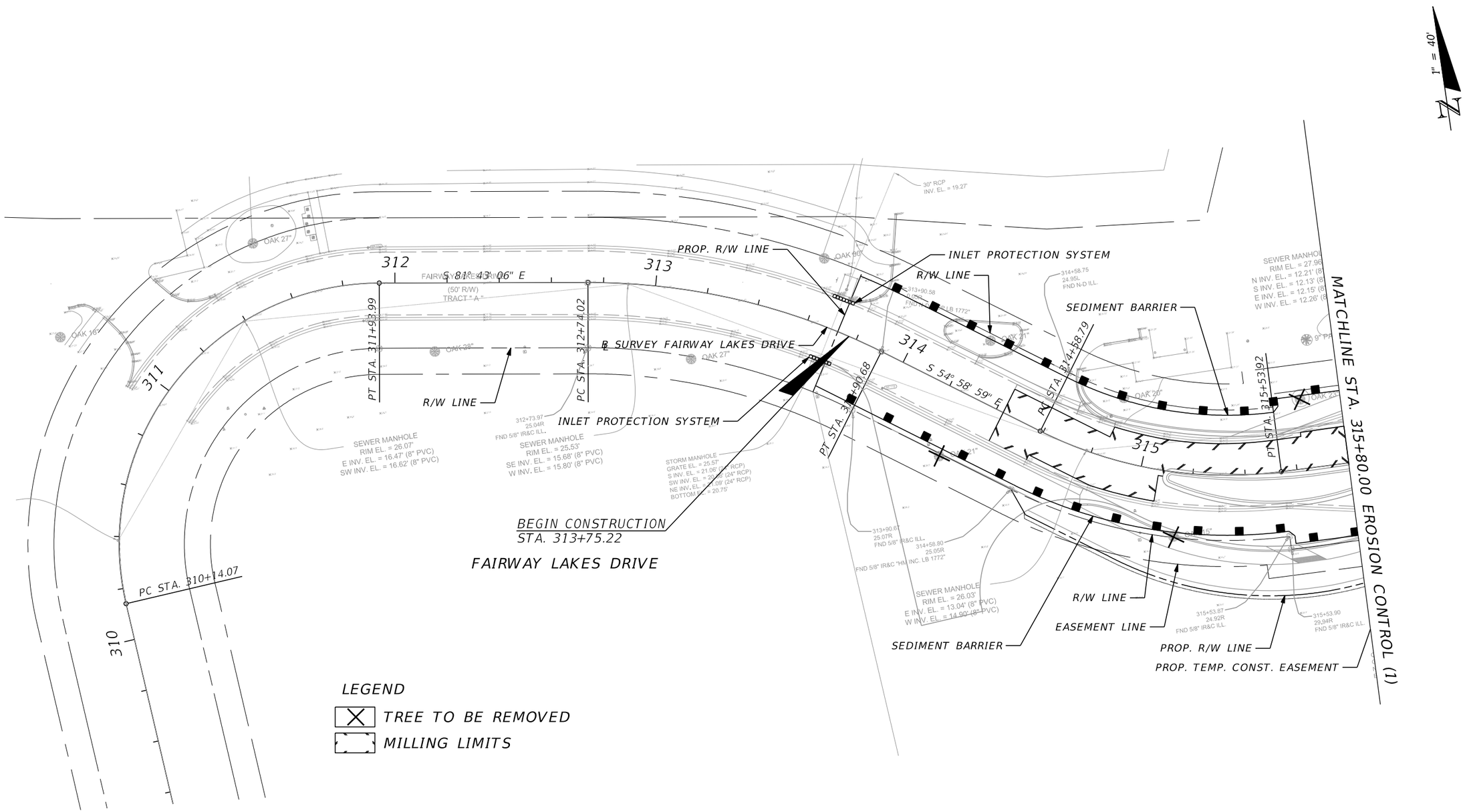

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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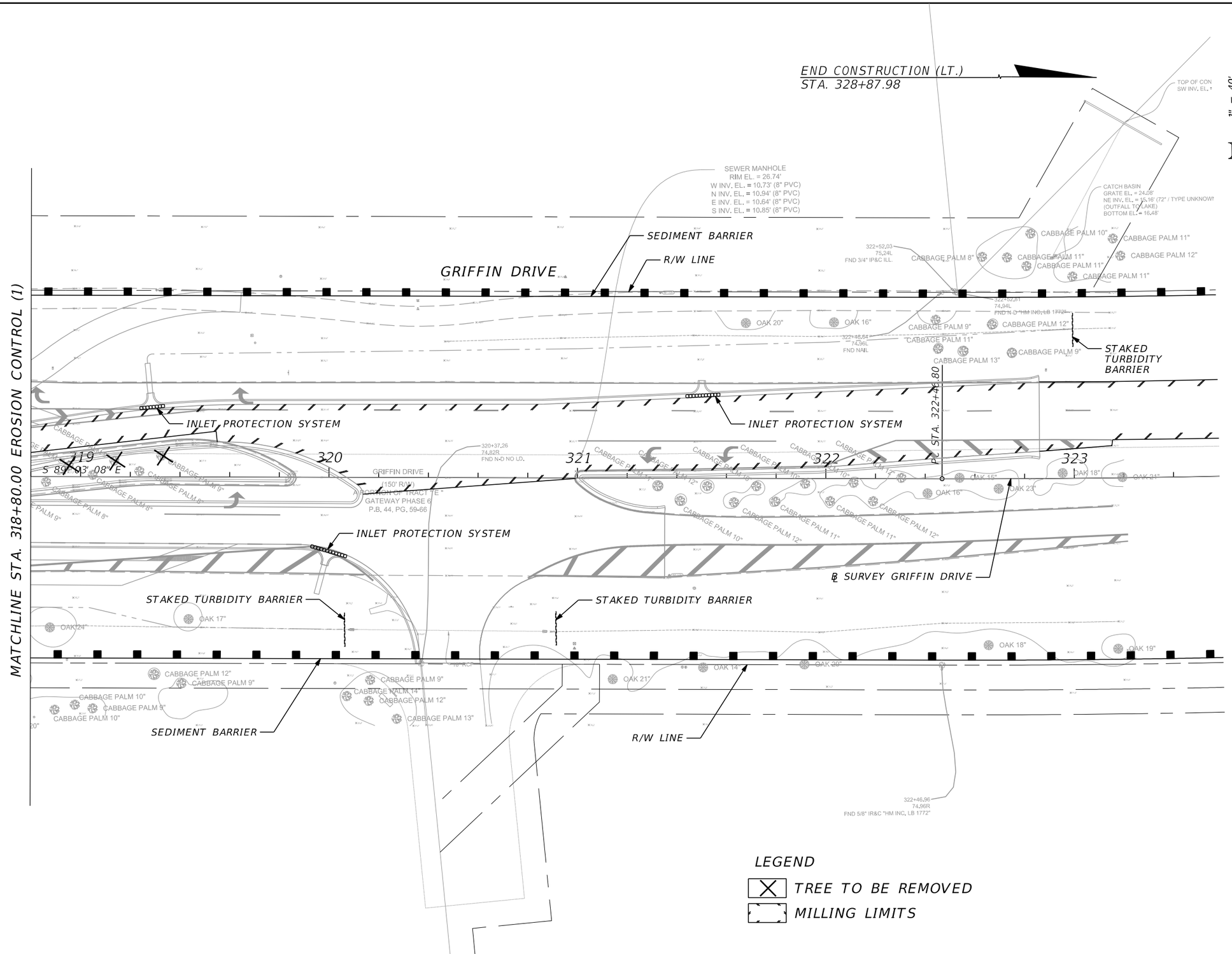
Lee County
Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

EROSION CONTROL (3)

COUNTY PROJECT NO.	SHT. NO.
200672	50

kathleen.agoado 3/30/2020 8:40:51 AM J:\CR044\CR044002.02\ms\drainage\swpprd03.dgn



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DATE	DESCRIPTION	DATE	DESCRIPTION

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Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

EROSION CONTROL (4)

COUNTY PROJECT NO.	SHT. NO.
200672	51

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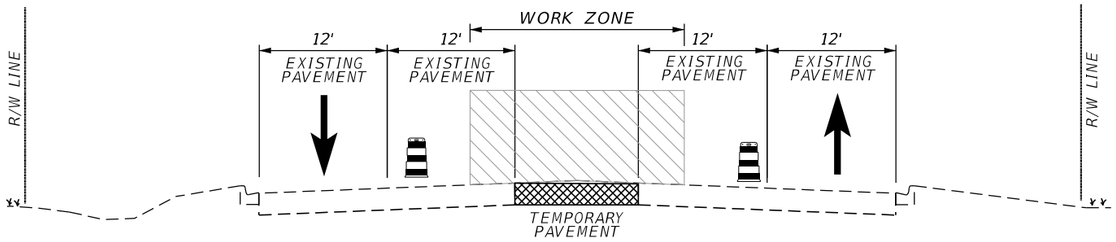
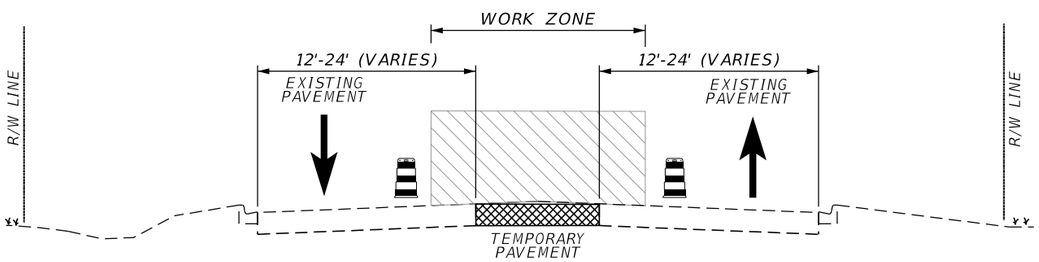
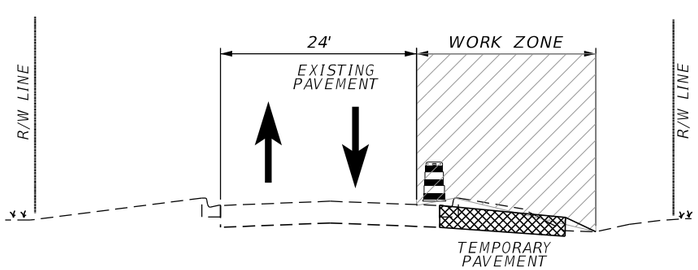
CONSTRUCTION PHASING NOTES



PHASE I GATEWAY BLVD



PHASE I GRIFFIN DRIVE



PHASE I FAIRWAY LAKES DRIVE

PHASE I - OPERATIONS ARE TO INSTALL TEMPORARY PAVEMENT FOR PHASE II.

1. INSTALL SIGNING ON GATEWAY BLVD, GRIFFIN DRIVE, AND FAIRWAY LAKES DRIVE IN ACCORDANCE WITH THESE PLANS AND INDICES 102-601, 102-602, 102-603, 102-608, 102-611, 102-612, 102-613.

2. SHIFT TRAFFIC AND CHANNELIZING DEVICES FOR PHASE I CONSTRUCTION. REMOVE CONFLICTING STRIPING

3. CONSTRUCT TEMPORARY PAVEMENT FOR PHASE II.

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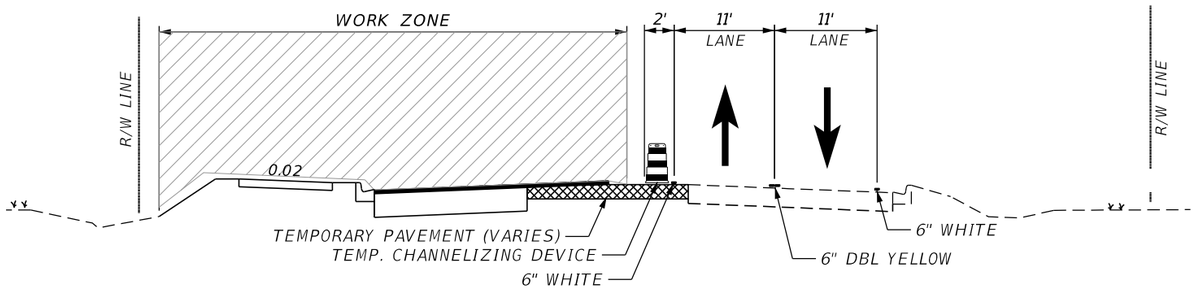
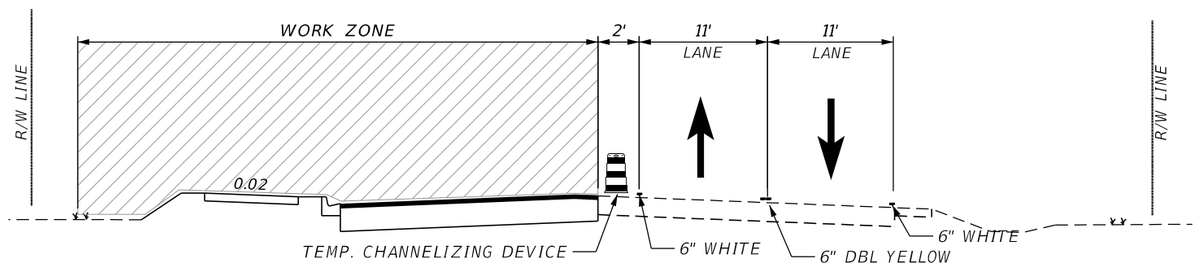
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

TEMPORARY TRAFFIC CONTROL (1)

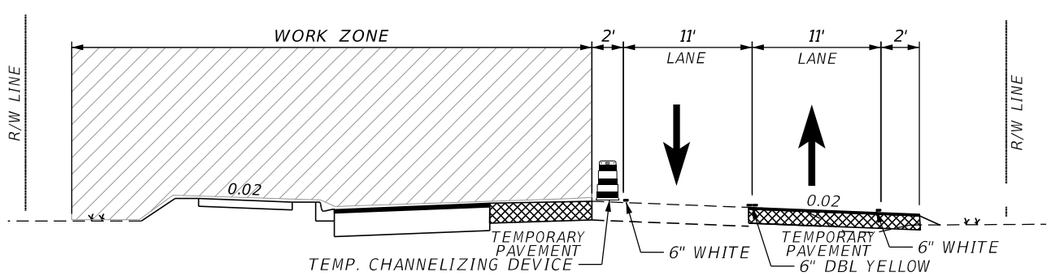
COUNTY PROJECT NO.	SHT. NO.
200672	52



PHASE II GRIFFIN DRIVE



PHASE II GATEWAY BLVD



PHASE II FAIRWAY LAKES DRIVE

CONSTRUCTION PHASING NOTES

PHASE II - OPERATIONS ARE TO CONSTRUCT GATEWAY BLVD WEST SIDE (SB), FAIRWAY LAKES DRIVE NORTH SIDE (WB), AND GRIFFIN DRIVE NORTH SIDE (WB) NEW ALIGNMENT ALONG WITH TEMPORARY PAVEMENT.

1. INSTALL SIGNING ON GATEWAY BLVD, GRIFFIN DRIVE, AND FAIRWAY LAKES DRIVE IN ACCORDANCE WITH THESE PLANS AND INDICES 102-601, 102-602, 102-603, 102-608, 102-611, 102-612, 102-613.
2. SHIFT TRAFFIC AND CHANNELIZING DEVICES FOR PHASE II CONSTRUCTION.
3. CONSTRUCT GATEWAY BLVD EAST SIDE (NB), FAIRWAY LAKES DRIVE NORTH SIDE (WB), AND COMMERCE LAKES DRIVE NORTH SIDE (WB) NEW ALIGNMENT. THIS WILL INCLUDE LANES, SHOULDERS, CURB AND GUTTERS, SIDEWALKS, EXCLUDING TRAFFIC SEPARATORS AND ROUNDABOUT.
4. CONSTRUCT PROPOSED DRAINAGE AS INDICATED ON THIS PLAN SET.
5. CONSTRUCT TEMPORARY PAVEMENT FOR PHASE III.

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REVISIONS			
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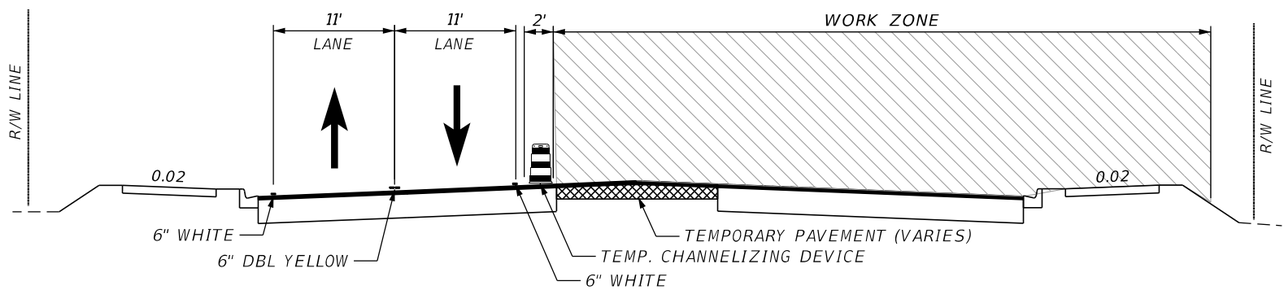
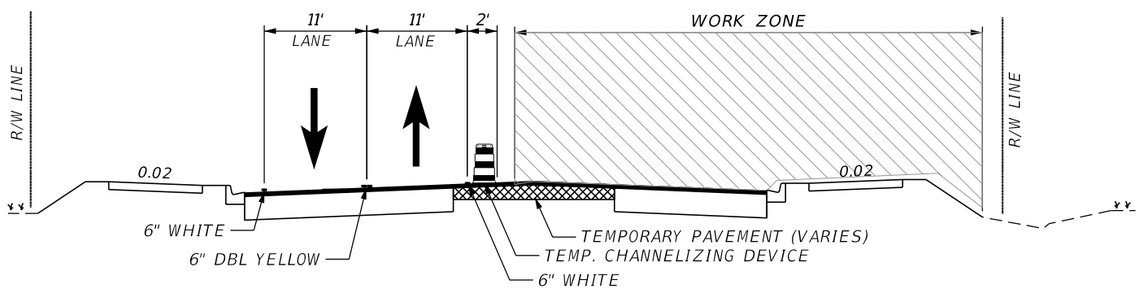
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

TEMPORARY TRAFFIC CONTROL (2)

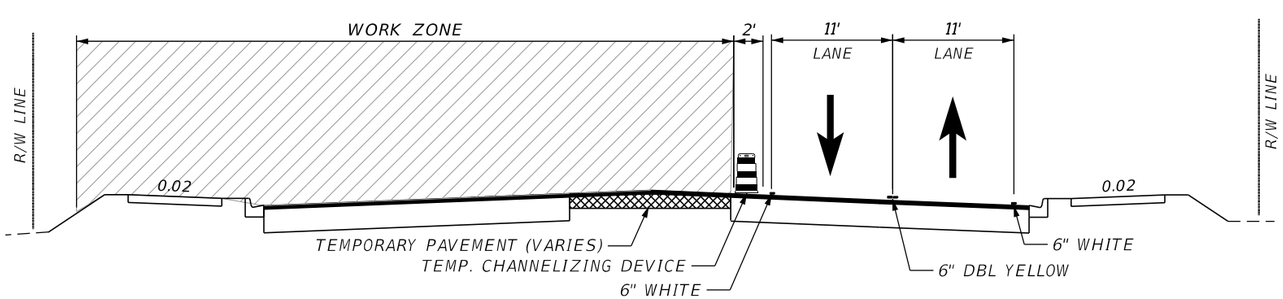
COUNTY PROJECT NO.	SHT. NO.
200672	53



PHASE III GATEWAY BLVD



PHASE III AND IV FAIRWAY LAKES DRIVE AND GRIFFIN DRIVE



PHASE IV GATEWAY BLVD

CONSTRUCTION PHASING NOTES

PHASE III - OPERATIONS ARE TO CONSTRUCT GATEWAY BLVD EAST SIDE (NB), FAIRWAY LAKES DRIVE SOUTH SIDE (EB), AND GRIFFIN DRIVE SOUTH SIDE (EB) NEW ALIGNMENT.

1. INSTALL SIGNING ON GATEWAY BLVD, GRIFFIN DRIVE, AND FAIRWAY LAKES DRIVE IN ACCORDANCE WITH THESE PLANS AND INDICES 102-601, 102-602, 102-603, 102-608, 102-611, 102-612, 102-613.

2. SHIFT TRAFFIC AND CHANNELIZING DEVICES FOR PHASE III CONSTRUCTION.

3. CONSTRUCT GATEWAY BLVD EAST SIDE (NB), FAIRWAY LAKES DRIVE SOUTH SIDE (EB), AND GRIFFIN DRIVE SOUTH SIDE (EB) NEW ALIGNMENT. THIS WILL INCLUDE LANES, CURB AND GUTTERS, SIDEWALKS, EXCLUDING TRAFFIC SEPARATORS AND ROUNDABOUT.

4. CONSTRUCT PROPOSED DRAINAGE AS INDICATED ON THIS PLAN SET.

PHASE IV - OPERATIONS ARE TO CONSTRUCT THE SOUTHEAST SECTION OF THE PROPOSED INTERSECTION.

1. INSTALL SIGNING ON GATEWAY BLVD, GRIFFIN DRIVE, AND FAIRWAY LAKES DRIVE IN ACCORDANCE WITH THESE PLANS AND INDICES 102-601, 102-602, 102-603, 102-608, 102-611, 102-612, 102-613.

2. MOVE CHANNELIZING DEVISES AND SHIFT TRAFFIC FOR PHASE IV CONSTRUCTION.

3. CONSTRUCT THE INTERSECTIONA AREA OF GATEWAY BLVD AND FAIRWAY LAKES DRIVE WHICH WAS NTO ACCESSIEBLE DURING PHASES II AND III.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

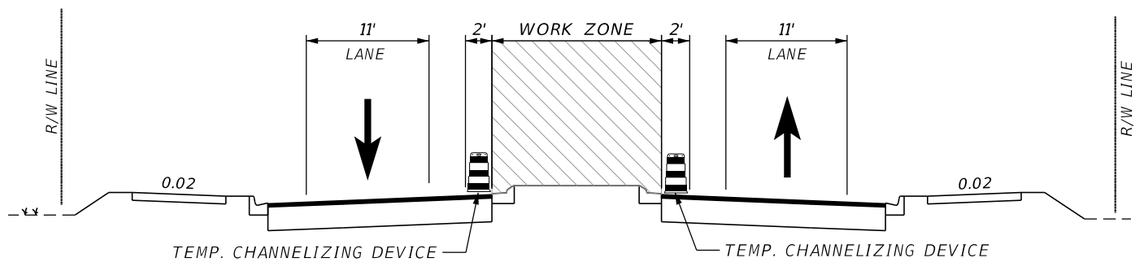
Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDABOUT)

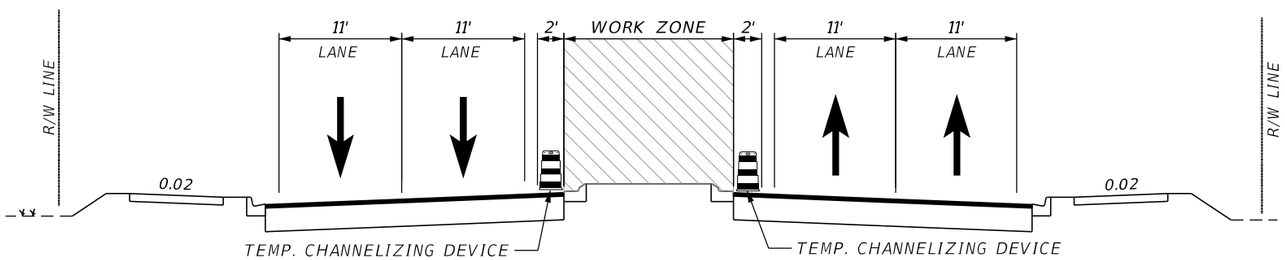
TEMPORARY TRAFFIC CONTROL (3)

COUNTY PROJECT NO.	SHT. NO.
200672	54

CONSTRUCTION PHASING NOTES



PHASE V FAIRWAY LAKES DRIVE AND GRIFFIN DRIVE



PHASE V GATEWAY BLVD

PHASE V - OPERATIONS ARE TO MOVE TRAFFIC ONTO NEWLY CONSTRUCTED ROADWAY AND CONSTRUCT TRAFFIC SEPARATORS, THE CENTER OF THE ROUNDABOUT, COMPLETE ANY REMAINING SIDEWALKS ON GRIFFIN DRIVE AND REMOVE TEMPORARY PAVEMENT FROM THE PREVIOUS PHASES OF CONSTRUCTION.

1. INSTALL SIGNING ON GATEWAY BLVD, GRIFFIN DRIVE, AND FAIRWAY LAKES DRIVE IN ACCORDANCE WITH THESE PLANS AND INDICES 102-601, 102-602, 102-603, 102-608, 102-611, 102-612, 102-613.
2. MILL AND RESURFACE GATEWAY BLVD AND GRIFFIN DRIVE.
3. MOVE CHANNELIZING DEVISES AND SHIFT TRAFFIC TO FINAL TRAFFIC PATTERN ON NEWLY CONSTRUCTED ROADWAYS. CONSTRUCT SPLITTER ISLANDS, REMAINING SIDEWALK ON GRIFFIN DRIVE, AS WELL AS CENTER OF THE ROUNDABOUT.
4. REMOVE TEMPORARY PAVEMENT FROM PREVIOUS PHASES.
4. COMPLETE INSTALLATION OF PERMANENT SIGNING WITHIN PROJECT LIMITS.
5. COMPLETE FRICTION COURSE WITHIN PROJECT LIMITS.
6. COMPLETE PLACEMENT OF THERMOPLASTIC PAVEMENT MARKINGS.

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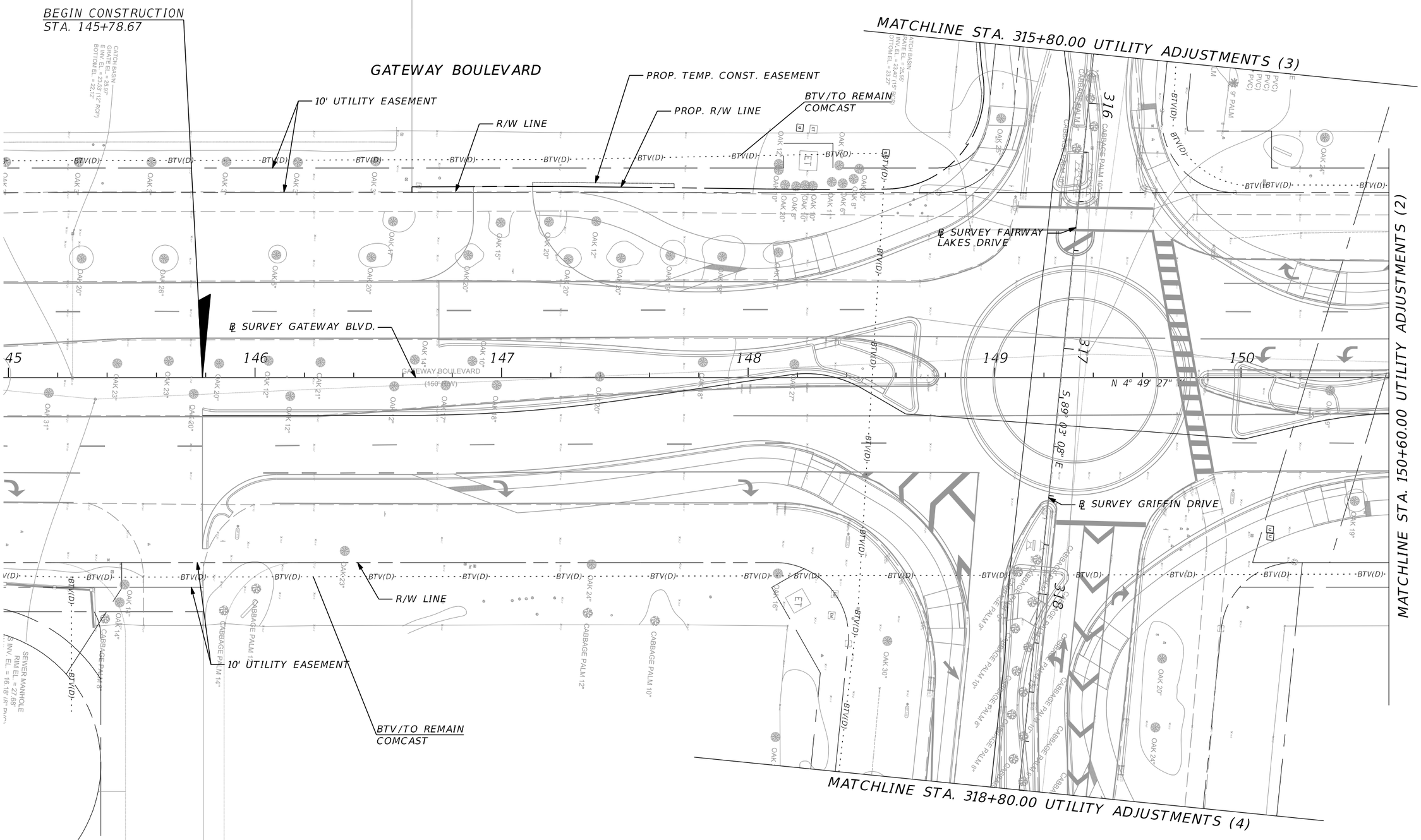
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

TEMPORARY TRAFFIC CONTROL (4)

COUNTY PROJECT NO. 200672

SHT. NO. 55



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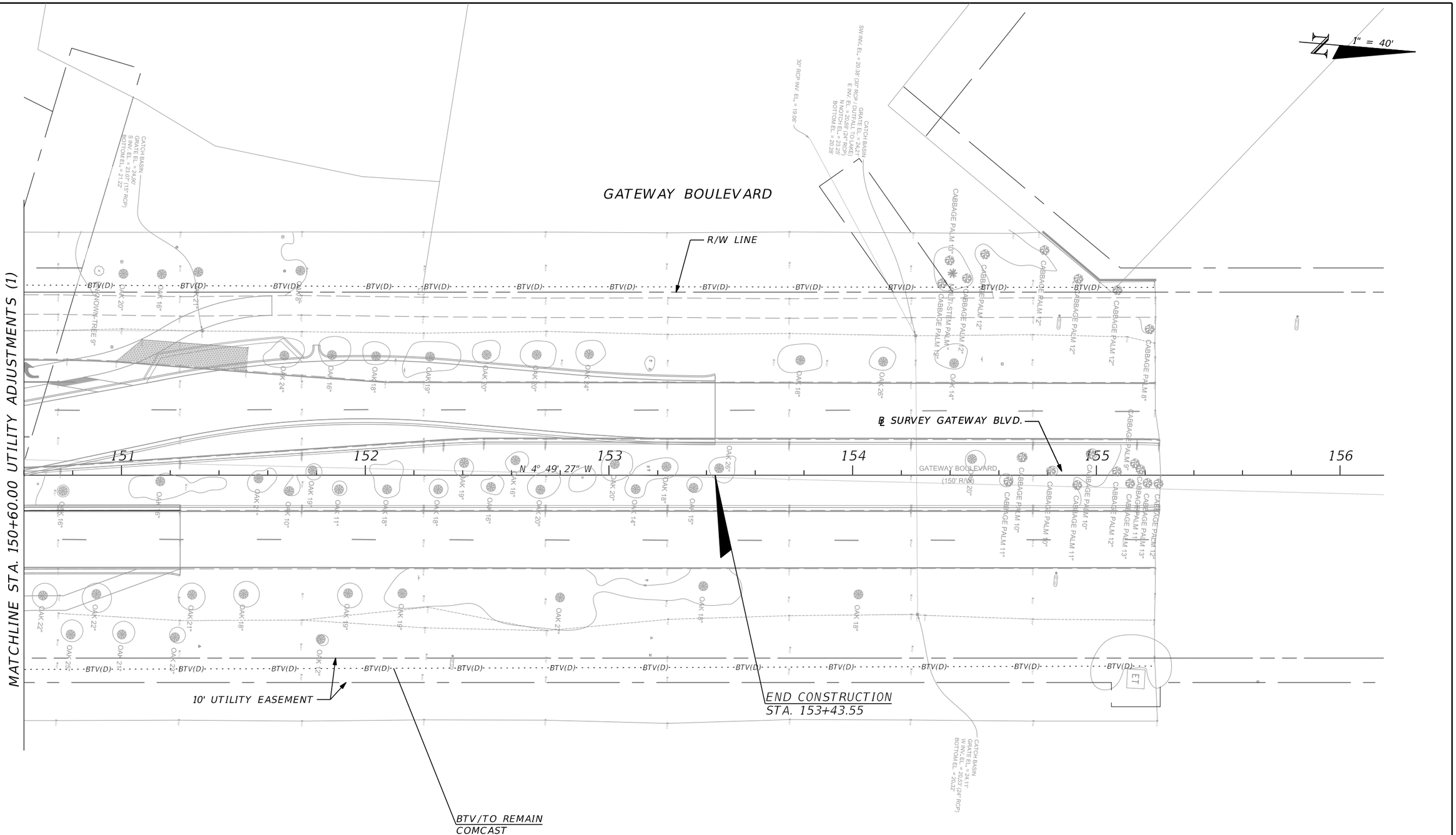
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

UTILITY ADJUSTMENTS (1)

COUNTY PROJECT NO.	SHT. NO.
200672	56

kathleen.agoado 3/30/2020 8:42:32 AM J:\CR044\CR044002.02\ms\roadway\utadrd01.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

UTILITY ADJUSTMENTS (2)

COUNTY PROJECT NO.	SHT. NO.
200672	57

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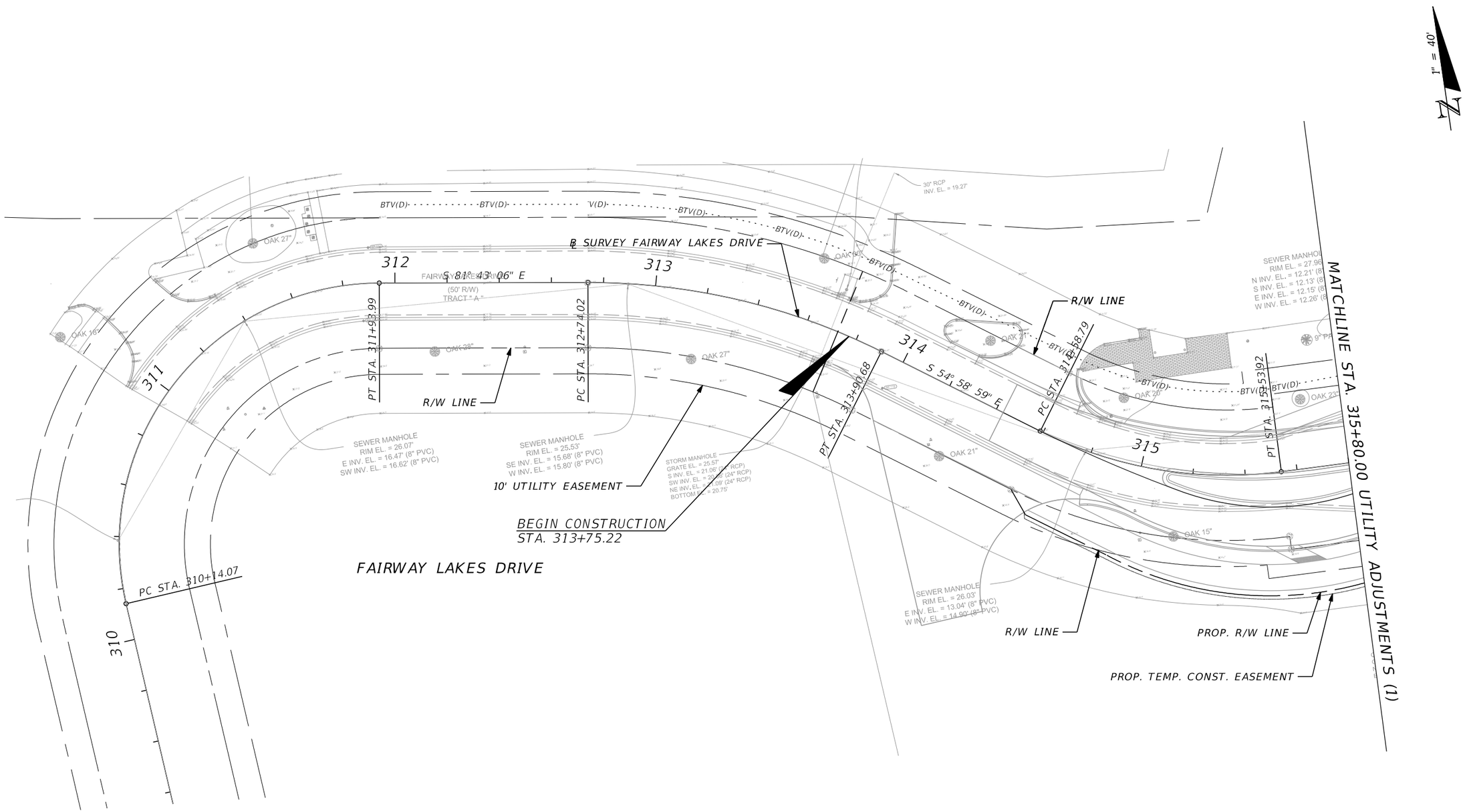

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REVISIONS			
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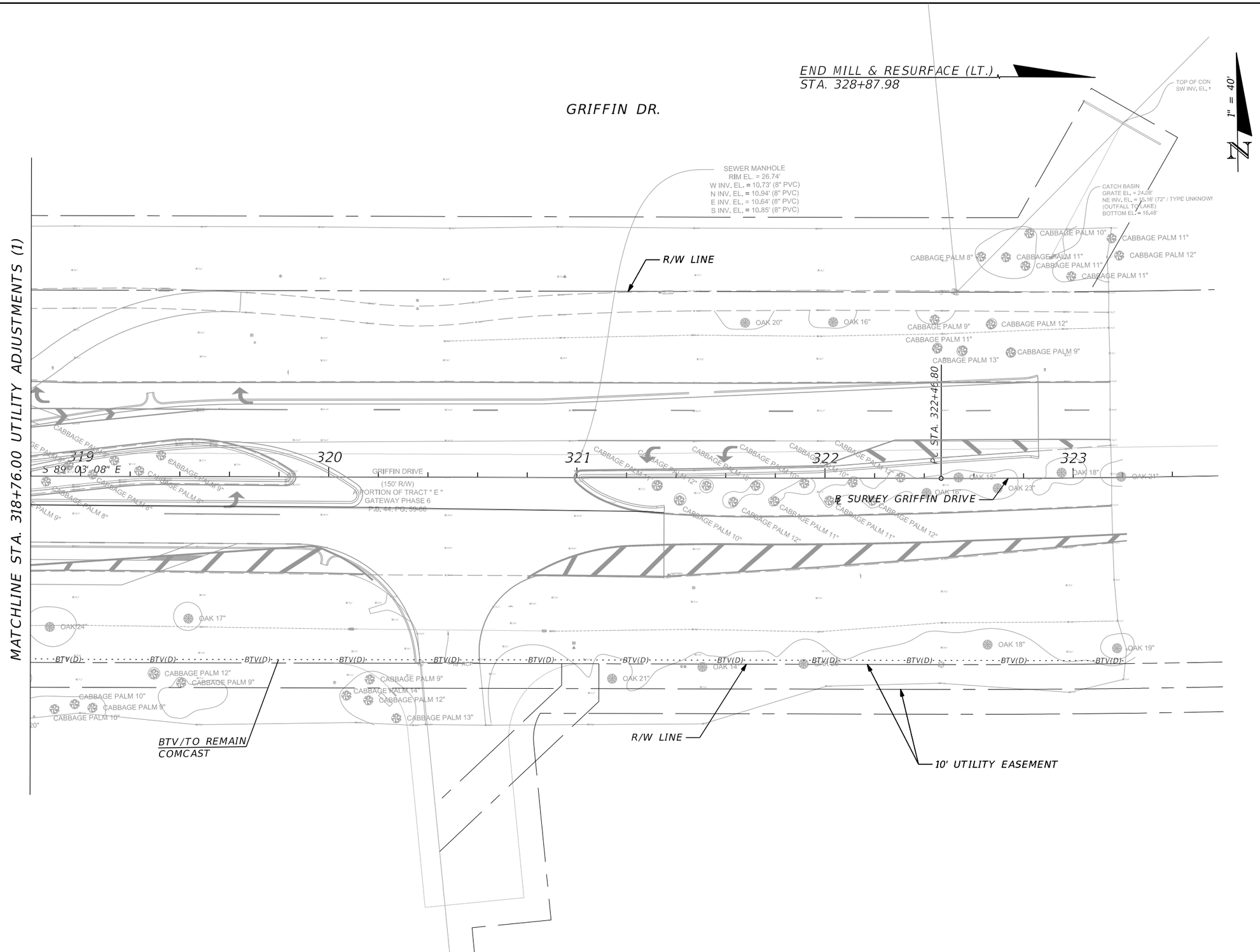
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

UTILITY ADJUSTMENTS (3)

COUNTY PROJECT NO.	SHT. NO.
200672	58



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REVISIONS			
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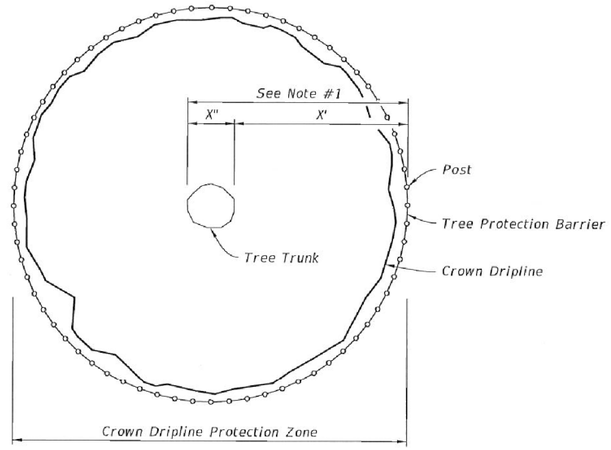
GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

UTILITY ADJUSTMENTS (4)

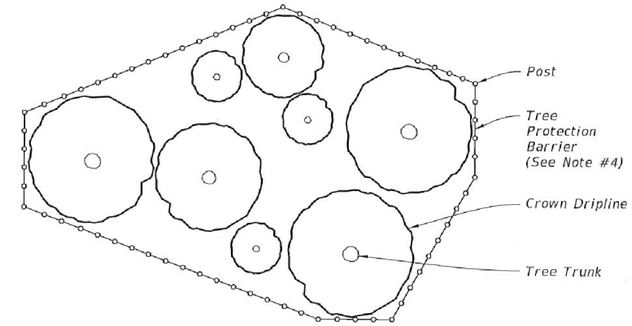
COUNTY PROJECT NO.	SHT. NO.
200672	59

NOTES:

1. Crown Dripline Protection Zone: Extends in all directions from trunk of tree to a distance equal to one foot per inch of trunk diameter at breast height.
2. Staging, storage, dumping, washing and operation of equipment is not permitted within the limits of the tree protection barrier, including during barrier installation.
3. Install all tree protection prior to commencement of construction and remove when directed by the engineer. Maintain protection at all times.
4. For closely spaced groups of trees, place the tree protection barrier around the entire group.
5. Inspect trunk protection and tree quarterly to prevent girdling. Adjust bands to allow tree growth as needed.
6. See plans for any additional requirements or modifications within the tree protection area.
7. Place weather resistant sign every 50' along the barrier, with 6" minimum text height and provide text in English and Spanish. Sign should read " Keep Out Tree Protection Area".
8. Alternate tree protection systems approved by the Engineer may be used in lieu of the tree pretection barrier detailed on this Index.

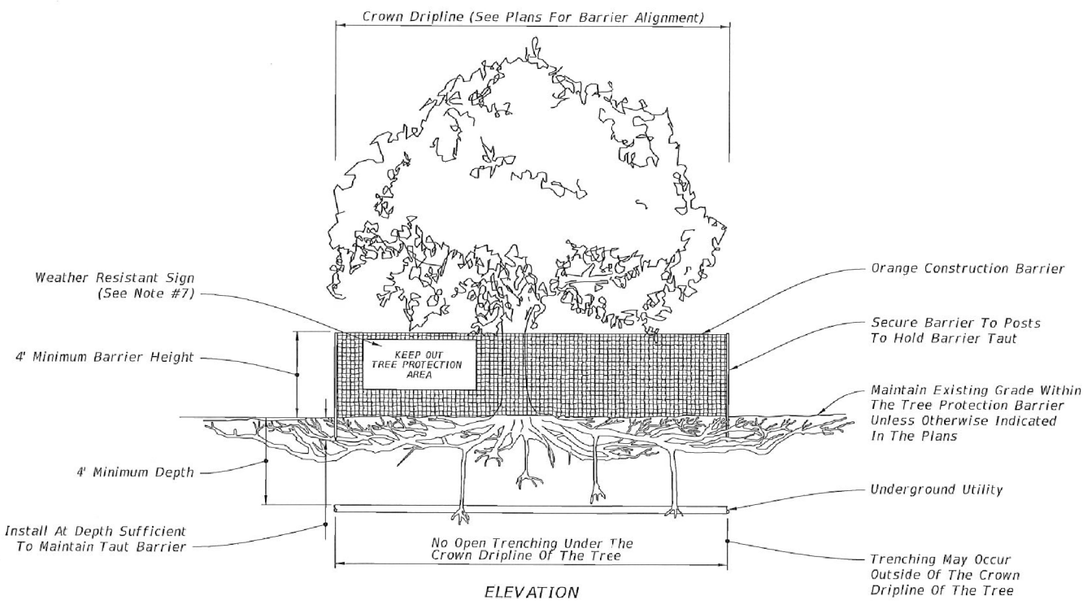


PLAN



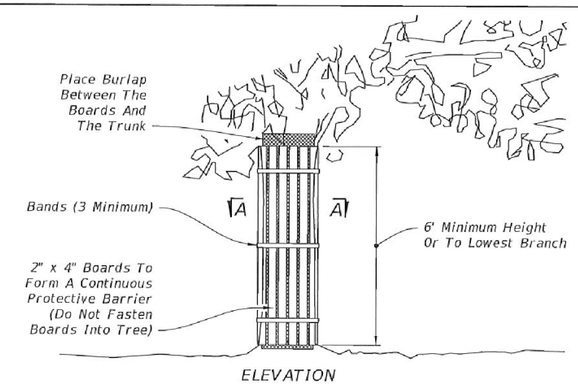
PLAN

PROTECTION BARRIER FOR TREE GROUPINGS

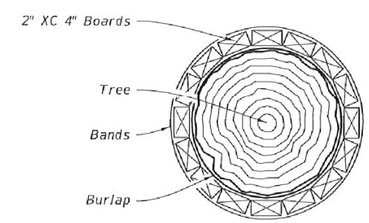


ELEVATION

TREE PROTECTION BARRIER



ELEVATION



SECTION A-A

NOTES:

1. Install trunk protection when Tree Protection Barrier can not be reasonably erected.
2. See Selective Clearing and Grubbing Plan for location of trunk protection.
3. Adjust bands to allow tree growth (inspect quarterly to prevent girdling).

TRUNK PROTECTION

LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2017-18 DESIGN STANDARDS	TREE PROTECTION AND PRESERVATION	INDEX NO.	SHEET NO.
11/01/16					542	1 of 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDABOUT)

TREE PROTECTION DETAILS

COUNTY PROJECT NO.	SHT. NO.
200672	60

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PAY ITEM NOTES:

110-1-1 CLEARING AND GRUBBING INCLUDES THE COST OF TREE TRIMMING BY PROFESSIONAL ARBORISTS AND REMOVAL OF DEBRIS AT LOCATIONS WHERE TREE BRANCHES OR SHRUBS CONFLICT WITH THE PROPOSED LIGHTING POLES.

520-1-10 CONCRETE FLUME TO BE PAID AS CURB AND GUTTER.

570-1-2 EXISTING SOD IS MOSTLY ST. AUGUSTINE, MATCH EXISTING.

527-2 ALL DETECTABLE WARNINGS SHALL BE WET SET.

919-528 ALL DIRECTIONAL INDICATORS SHALL BE WET SET.

*** ROOT CONTROL BARRIER SHALL BE INSTALLED TO CONFORM TO THE REQUIREMENTS AS SET FORTH BY THE MANUFACTOURER, TO A MINIMAL DEPTH OF 12" BELOW FINISH GRADE OF ADJACENT SIDEWLAK OR CURBING. ROOT BARRIER SHALL BE FREE OF FOLDS AND TEARS TO PRODUCE AN EFFECTIVE BARRIER BETWEEN CONCRETE CONSTRUCTION AND TREES. INSTALLATION SHALL BE PERPENDICULAR TO FINISH GRADE AND ALL EDGES SHALL BE BELOW FINISH GRADE ONCE RESTORATION OF THE ADJACENT DISTURBED AREA HAS BEEN COMPLETED. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER A MANUFACTURER'S CERTIFICATE STATING THE MANUFACTURER'S NAME, PRODUCT NAME, STYLE NUMBER, CHEMICAL COMPOSITION, AND OTHER PERTINENT INFORMATION TO FULLY DESCRIBE THE PRODUCT. THE CONTRACTOR SHALL AFFIX AN APPLICABLE MSDS TO THE OUTSIDE OF EACH SHIPPING CONTAINER FOR THE PRODUCT.

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
101-1	MOBILIZATION	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL		GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F		
102-1	MAINTENANCE OF TRAFFIC	LS	1		1		365 DA	

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REVISIONS			
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DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF QUANTITIES

COUNTY PROJECT NO. 200672

SHT. NO. SQ-1

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	AREA ID	SEDIMENT BARRIER		STAKED TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 10 3		0104 12		0104 15		0104 18			
STA. TO STA.			LF		LF		EA		EA			
			P	F	P	F	P	F	P	F		

SUMMARY OF LITTER REMOVAL AND MOWING

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

SUMMARY OF REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.						AREA (AC)	P	F	P	F		
110-1-1	CLEARING AND GRUBBING													
110-4-10	REMOVAL OF EXISTING CONCRETE													

SUMMARY OF MAILBOXES

STATION	SIDE	QUANTITY 0110 7 1		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
SUB-TOTAL:					
TOTAL:					

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF QUANTITIES

COUNTY PROJECT NO. 200672

SHT. NO. SQ-3

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SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
120-1	REGULAR EXCAVATION				
120-2	EMBANKMENT				

EARTHWORK HAS BEEN CALCULATED USING THE ASPHALT BASE OPTION. IF ANOTHER OPTION IS CONSTRUCTED, THERE SHALL BE NO REVISION TO THE EARTHWORK QUANTITIES FOR WHICH PAYMENT IS MADE BY PLAN QUANTITY.

SUMMARY OF TURNOUTS

LOCATION	SIDE	AREA ID	0286 1		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.			SY			
			P	F		
SUB-TOTAL:						
TOTAL:						

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GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF QUANTITIES

COUNTY PROJECT NO. 200672

SHT. NO. SQ-4

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION				P	F	P	F		
0160 4	TYPE B STABILIZATION											
0285 709	OPTIONAL BASE, BASE GROUP 9											
0327 70 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH											
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC LEVEL C, FC-12.5 (2.5")											
0337 7 82	ASPHALTIC CONCRETE FRICTION COURSE, TRAFFIC LEVEL C, FC 9.5, PG 76-22 (1")											
0350 30 13	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 12" DEPTH											

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GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF QUANTITIES

COUNTY PROJECT NO. 200672

SHT. NO. SQ-5

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.			GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	P	F		
0520 1 7	CONCRETE CURB & GUTTER, TYPE E												
0520 1 10	CONCRETE CURB & GUTTER, TYPE F												
0520 2 4	CONCRETE CURB & GUTTER, TYPE D												
0520 2 8	CONCRETE CURB, TYPE RA												

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF QUANTITIES

COUNTY PROJECT NO. 200672

SHT. NO. SQ-6

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SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 6"		DETECTABLE WARNINGS		DIRECTIONAL INDICATORS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 2		0527 2		0919 528			
STA. TO STA.					SY		SF		SF			
					P	F	P	F	P	F		
SUB-TOTAL:												
TOTAL:												

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF QUANTITIES

COUNTY PROJECT NO. 200672

SHT. NO. SQ-7

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SUMMARY OF DITCH PAVEMENT

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	DITCH PAVEMENT - REINFORCED (4") 0524 1 29 SY P	 F	DESIGN NOTES	CONSTRUCTION REMARKS
SUB-TOTAL:								
TOTAL:								

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

JASON Y. YAM, P.E.
P.E. LICENSE NUMBER 62449
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FLORIDA 33759
CERTIFICATE OF AUTHORIZATION 29915

Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF QUANTITIES

COUNTY PROJECT NO. 200672

SHT. NO. SQ-8

SUMMARY OF PERFORMANCE TURF

LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		ROOT BARRIER		DESIGN NOTES	CONSTRUCTION REMARKS
					0570 1 2		***			
STA. TO STA.					SY		LF			
					P	F	P	F		
SUB-TOTAL:										
TOTAL:										

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JASON Y. YAM, P.E.
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Lee County Southwest Florida
DEPARTMENT OF TRANSPORTATION

GATEWAY BOULEVARD AT GRIFFIN DRIVE
INTERSECTION CONTROL (ROUNDABOUT)

SUMMARY OF QUANTITIES

COUNTY PROJECT NO.	SHT. NO.
200672	SQ-9

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