

CONTRACT PLANS COMPONENTS

ROADWAY
SIGNING AND PAVEMENT MARKING
SIGNALIZATION

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
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2	SIGNATURE SHEET
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8 - 9	PROJECT CONTROL
10	GENERAL NOTES
11 - 25	ROADWAY PLAN
26 - 27	TEMPORARY TRAFFIC CONTROL PLAN
28	TRAFFIC MONITORING SITE

GR-1* ROADWAY SOIL SURVEY

* This sheet is included in the Index of Roadway Plans only to indicate that it is part of the Roadway Plans. This sheet is contained in a separate digitally signed and sealed document.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2025-26 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>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2025-26 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

FINANCIAL PROJECT ID 441015-1-52-01
SEMINOLE COUNTY (77120)

STATE ROAD NO. 434
MILLING AND RESURFACING FROM RANGELINE ROAD TO US 17-92

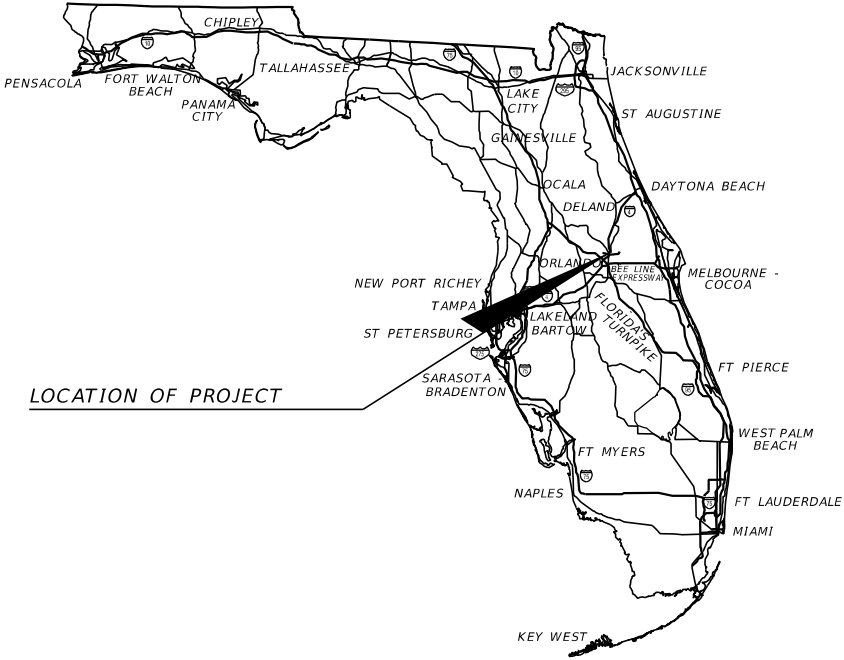
PROJECT LOCATION URL: <https://tinyurl.com/57vdkdes>

PROJECT LIMITS: BEGIN MP 6.923 - END MP 9.175

EXCEPTIONS: MP 7.622 - MP 8.087

BRIDGE LIMITS: NONE

RAILROAD CROSSING: NONE



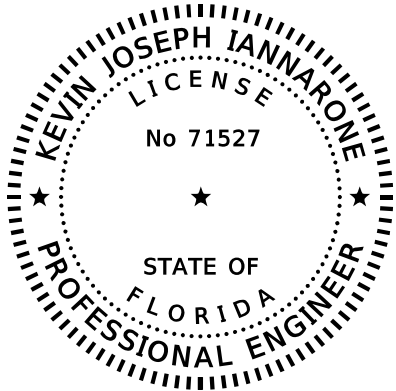
ROADWAY PLANS
ENGINEER OF RECORD:

KEVIN J. IANNARONE, P.E.
P.E. LICENSE NUMBER 71527
ARDURRA GROUP, INC.
3452 LAKE LYNDA DRIVE, SUITE 200
ORLANDO, FL 32817
CONTRACT NO.: CAA68
VENDOR NO.: 59-1782900

FDOT PROJECT MANAGER:

DEREK DEAN, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E59F3	26	1



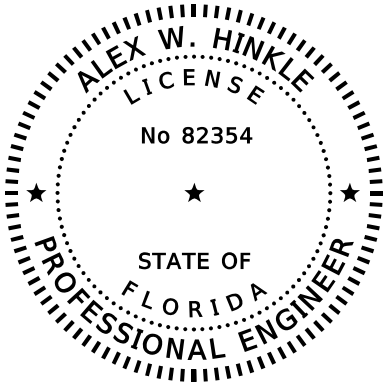
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SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL
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NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

ARDURRA GROUP, INC.
3452 LAKE LYNDA DRIVE, SUITE 200
ORLANDO, FL 32817
KEVIN JOSEPH IANNARONE, P.E. NO. 71527

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
3 - 7	TYPICAL SECTION
8 - 9	PROJECT CONTROL
10	GENERAL NOTES
11 - 25	ROADWAY PLAN
26 - 27	TEMPORARY TRAFFIC CONTROL PLAN



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PROTEAN DESIGN GROUP
100 EAST PINE STREET, SUITE 600
ORLANDO, FL 32801
ALEX W. HINKLE, P.E. NO.: 82354

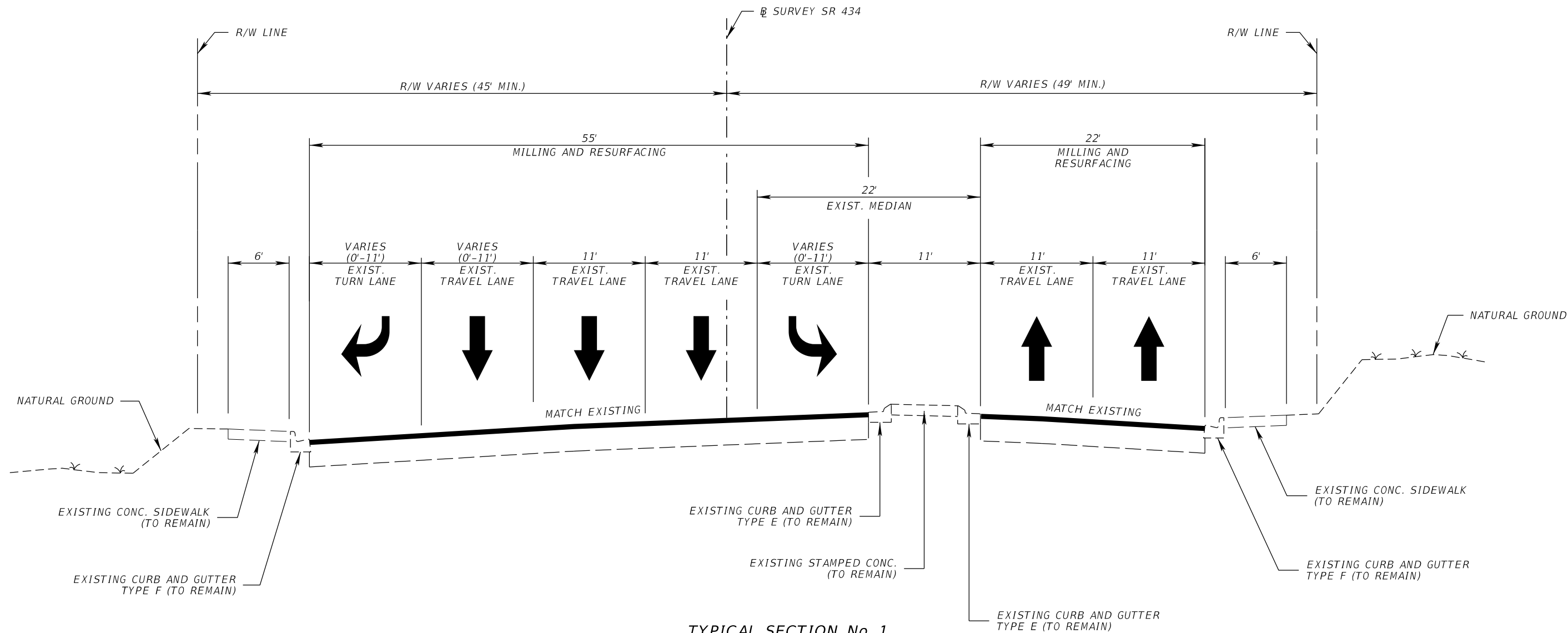
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
28	TRAFFIC MONITORING SITE

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID	2
						SR 434	SEMINOLE		441015-1-52-01	
				KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817						

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TYPICAL SECTION No. 1
SR 434
STA. 103+11.35 TO STA. 107+05.64

EXISTING TRAVEL LANES
MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG 76-22)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

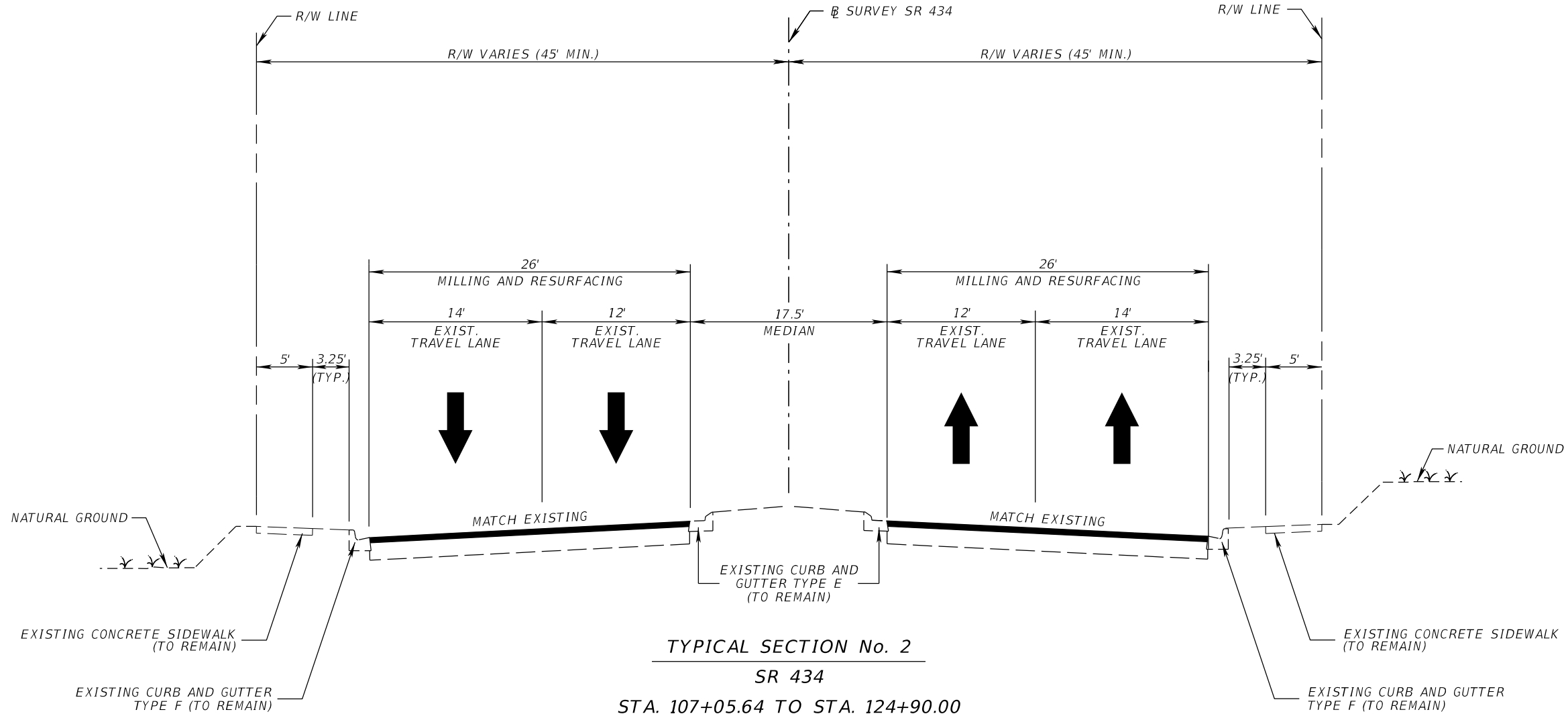
EXISTING TURN LANES
MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

NOTE: DURING MILLING OPERATIONS, SOME BASE EXPOSURE IS ANTICIPATED AT RANDOM LOCATIONS OF THINNER PAVEMENT (<3") WHEN MILLING 3" DEEP. DURING THE 4" MILLING WORK, BASE EXPOSURE WITH SOME MINOR ENCROACHMENT INTO THE BASE IS EXPECTED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE BASE.

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 33,500
ESTIMATED OPENING YEAR = 2023 AADT = 35,000
ESTIMATED DESIGN YEAR = 2043 AADT = 45,500
K = 9% D = 50.4% T = 4.8% (24 HOUR)
DESIGN SPEED = 45 MPH
CONTEXT CLASSIFICATION = C3C

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDY DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		3



EXISTING TRAVEL LANES
MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2" (PG 76-22))
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2" (PG 76-22))

EXISTING TURN LANES
MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2" (PG 76-22))

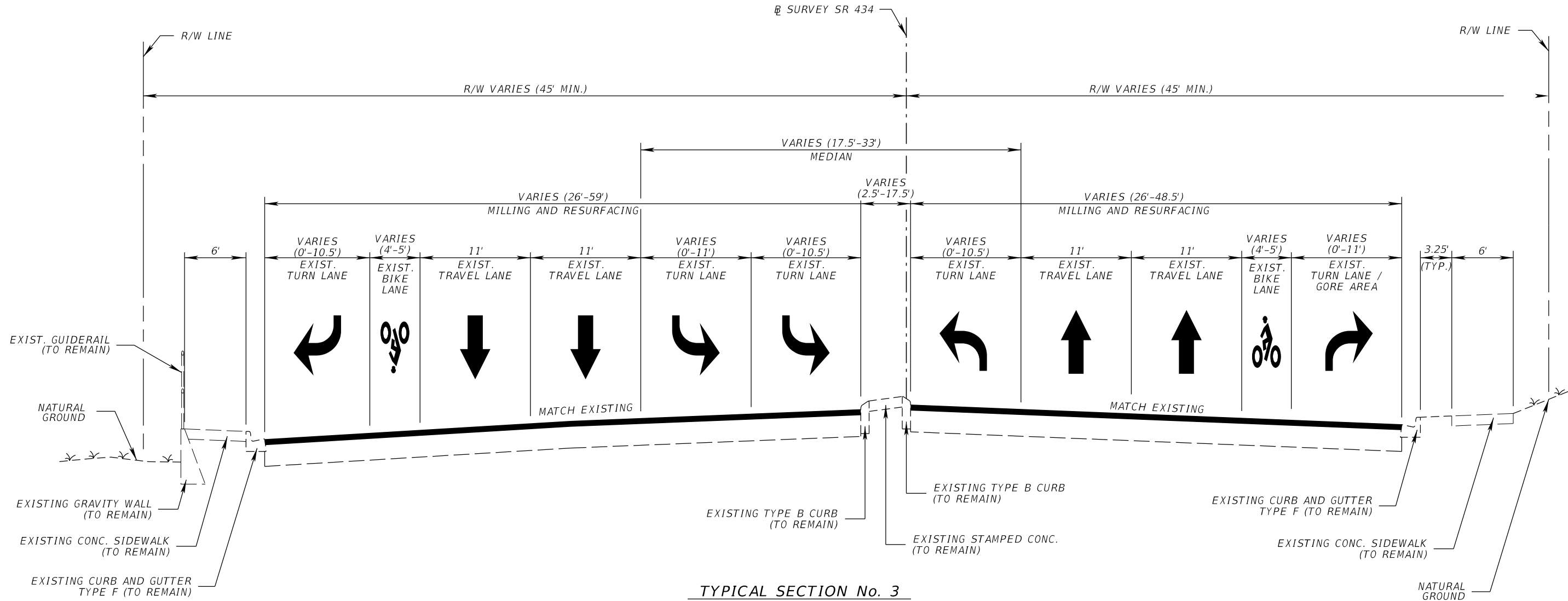
TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 33,500
ESTIMATED OPENING YEAR = 2023 AADT = 35,000
ESTIMATED DESIGN YEAR = 2043 AADT = 45,500
K = 9% D = 50.4% T = 4.8% (24 HOUR)
DESIGN SPEED = 45 MPH
CONTEXT CLASSIFICATION = C3C

NOTE: DURING MILLING OPERATIONS, SOME BASE EXPOSURE IS ANTICIPATED AT RANDOM LOCATIONS OF THINNER PAVEMENT (<3") WHEN MILLING 3" DEEP. DURING THE 4" MILLING WORK, BASE EXPOSURE WITH SOME MINOR ENCROACHMENT INTO THE BASE IS EXPECTED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE BASE.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDY DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		4

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TYPICAL SECTION No. 3
SR 434
STA. 124+90.00 TO STA. 140+80.00

EXISTING TRAVEL AND BIKE LANES
MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG 76-22)
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

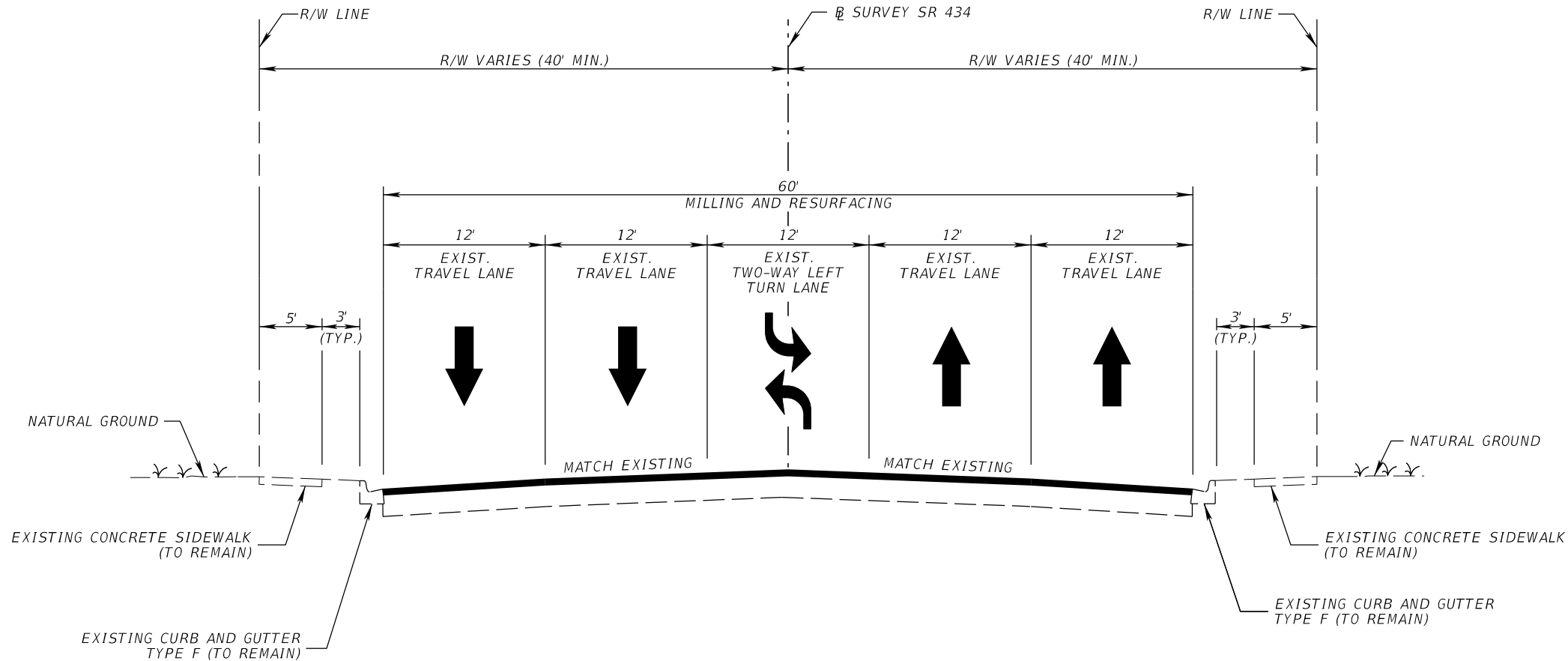
EXISTING TURN LANES
MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 33,500
ESTIMATED OPENING YEAR = 2023 AADT = 35,000
ESTIMATED DESIGN YEAR = 2043 AADT = 45,500
K = 9% D = 50.4% T = 4.8% (24 HOUR)
DESIGN SPEED = 45 MPH
CONTEXT CLASSIFICATION = C3C

NOTE: DURING MILLING OPERATIONS, SOME BASE EXPOSURE IS ANTICIPATED AT RANDOM LOCATIONS OF THINNER PAVEMENT (<3") WHEN MILLING 3" DEEP. DURING THE 4" MILLING WORK, BASE EXPOSURE WITH SOME MINOR ENCROACHMENT INTO THE BASE IS EXPECTED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE BASE.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		5



TYPICAL SECTION No. 4

SR 434

STA. 164+80.00 TO STA. 196+94.12

STA. 54+08.54 TO STA. 66+49.00

NOTE: STA. 196+94.12 (BK) = STA. 54+08.54 (AH)

**EXISTING TRAVEL LANES
(EXCEPT AS NOTED BELOW)**

MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG 76-22)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

**EXISTING RIGHT (EB) OUTSIDE TRAVEL LANE
STA. 185+03.36 TO STA. 189+78.56**

MILL EXISTING ASPHALT PAVEMENT (4" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2") (PG 76-22)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

EXISTING TURN LANES

MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

NOTES:

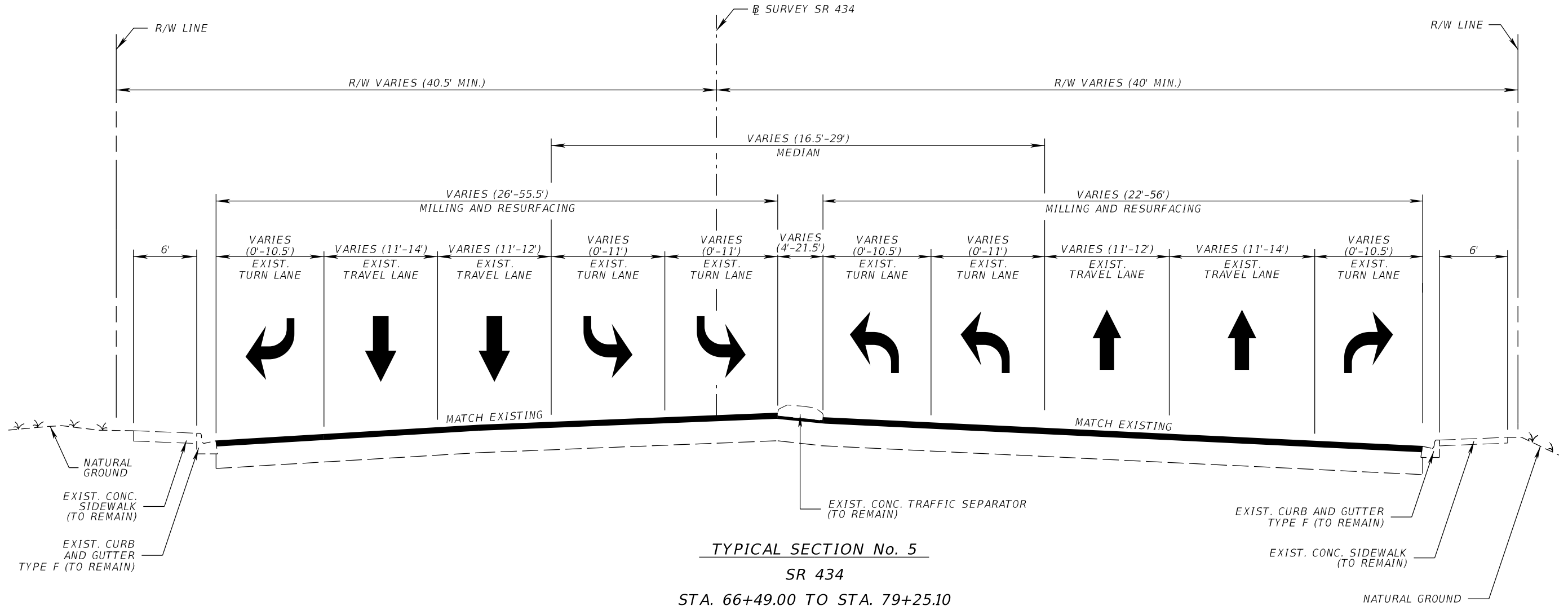
- DURING MILLING OPERATIONS, SOME BASE EXPOSURE IS ANTICIPATED AT RANDOM LOCATIONS OF THINNER PAVEMENT (<3") WHEN MILLING 3" DEEP. DURING THE 4" MILLING WORK, BASE EXPOSURE WITH SOME MINOR ENCROACHMENT INTO THE BASE IS EXPECTED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE BASE.
- PAVING OPERATIONS ALONG THE EASTBOUND OUTSIDE TRAVEL LANE (STA. 185+03.36 TO STA. 189+78.56) WILL UTILIZE STATIC MODE FOR ROLLING COMPACTION OF ASPHALT LIFTS.

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 33,500
ESTIMATED OPENING YEAR = 2023 AADT = 35,000
ESTIMATED DESIGN YEAR = 2043 AADT = 45,500
K = 9% D = 50.4% T = 4.8% (24 HOUR)
DESIGN SPEED = 45 MPH
CONTEXT CLASSIFICATION = C3C

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		6
					SR 434	SEMINOLE	441015-1-52-01		

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EXISTING TRAVEL LANES & LEFT TURN LANES
MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG 76-22)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

EXISTING RIGHT TURN LANES
MILL EXISTING ASPHALT PAVEMENT (1 1/2" DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

NOTE: DURING MILLING OPERATIONS, SOME BASE EXPOSURE IS ANTICIPATED AT RANDOM LOCATIONS OF THINNER PAVEMENT (<3") WHEN MILLING 3" DEEP. DURING THE 4" MILLING WORK, BASE EXPOSURE WITH SOME MINOR ENCROACHMENT INTO THE BASE IS EXPECTED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE BASE.

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ESTIMATED DESIGN YEAR = 2043 AADT = 45,500
K = 9% D = 50.4% T = 4.8% (24 HOUR)
DESIGN SPEED = 45 MPH
CONTEXT CLASSIFICATION = C3C

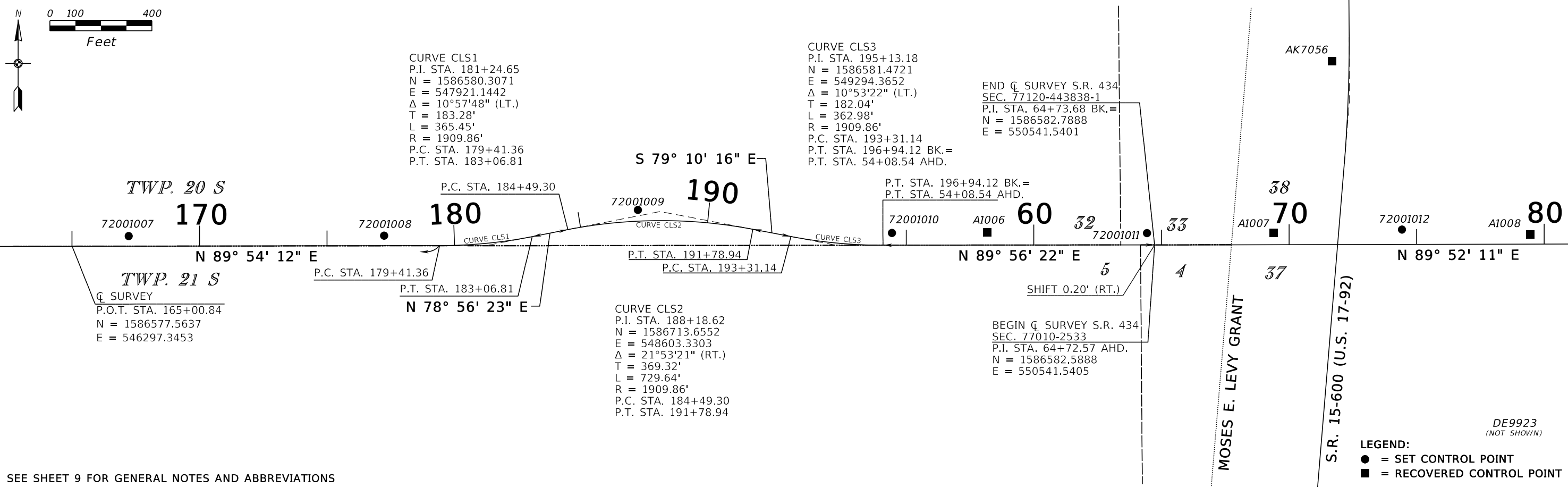
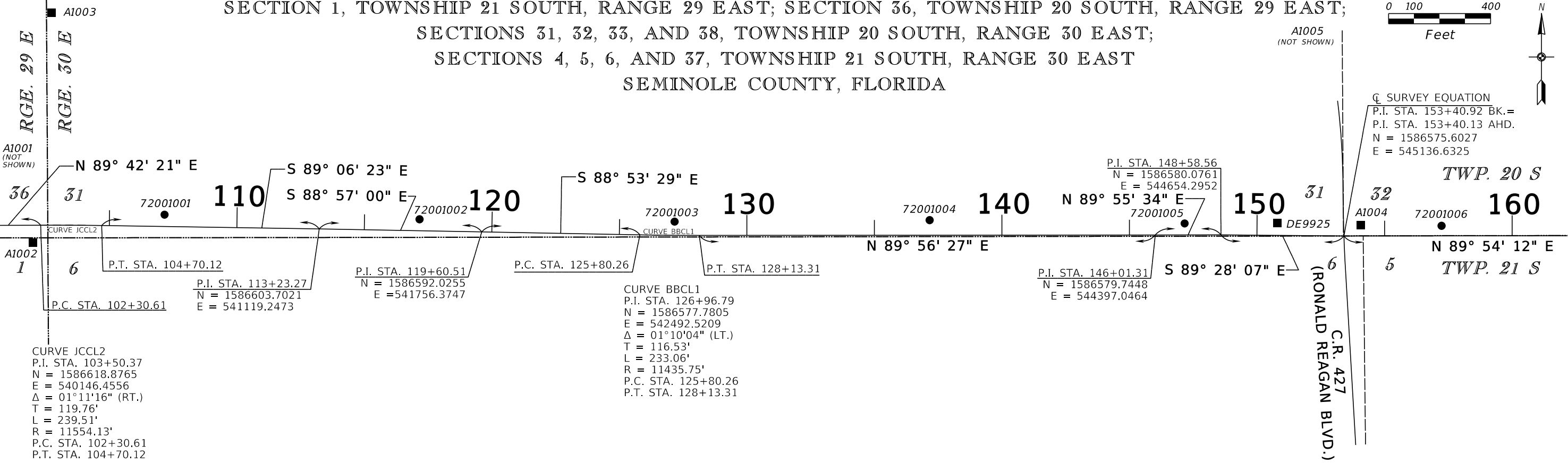
REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDY DRIVE, SUITE 200 ORLANDO, FLORIDA 32817	SR 434	SEMINOLE	441015-1-52-01	7

TYPICAL SECTION

SECTION 1, TOWNSHIP 21 SOUTH, RANGE 29 EAST; SECTION 36, TOWNSHIP 20 SOUTH, RANGE 29 EAST;
SECTIONS 31, 32, 33, AND 38, TOWNSHIP 20 SOUTH, RANGE 30 EAST;
SECTIONS 4, 5, 6, AND 37, TOWNSHIP 21 SOUTH, RANGE 30 EAST
SEMINOLE COUNTY, FLORIDA



Q SURVEY EQUATION
P.I. STA. 153+40.92 BK.=
P.I. STA. 153+40.13 AHD.
N = 1586575.6027
E = 545136.6325



SEE SHEET 9 FOR GENERAL NOTES AND ABBREVIATIONS

LEGEND:
● = SET CONTROL POINT
■ = RECOVERED CONTROL POINT

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT CONTROL	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDY DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		

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HORIZONTAL AND VERTICAL CONTROL											
CONTROL POINT	B SURVEY STATION	OFFSET LT. / RT.	(Z) ELEVATION	(Y) NORTH	(X) EAST	LATITUDE (N)	LONGITUDE (W)	SCALE FACTOR	DESCRIPTION		
A1001	92+81.34	63.59' RT.	87.137	1586549.8059	539077.7696	28°41'51.70765"	81°21'54.83035"	.999957060	FOUND 3.5" BRASS FDOT DISK "D5PNC 72001 001"		
A1002	101+99.77	67.84' RT.	87.759	1586550.2606	539996.2039	28°41'51.73991"	81°21'44.51712"	.999956790	FOUND 3.5" BRASS FDOT DISK "D5PNC 72001 002"		
A1003	102+74.35	833.78' LT.	86.174	1587452.1801	540069.3146	28°42'00.67194"	81°21'43.72692"	.999956840	FOUND 3.5" BRASS FDOT DISK "D5PNC 72001 003		
A1004	154+06.17	43.21' LT.	81.816	1586618.9281	545202.6004	28°41'52.57302"	81°20'46.05577"	.999955720	FOUND 3.5" BRASS FDOT DISK "D5PNC 72001 004		
A1005	153+01.80	1254.31' LT.	75.412	1587830.2172	545109.1512	28°42'04.56323"	81°20'47.14468"	.999956050	FOUND 3.5" BRASS FDOT DISK "D5PNC 72001 005		
A1006	58+17.68	49.81' LT.	72.691	1586631.9013	549885.4856	28°41'52.83331"	81°19'53.47099"	.999955000	FOUND 3.5" BRASS FDOT DISK "D5PNC 72001 006"		
A1007	69+39.66	46.84' LT.	72.631	1586630.4951	551008.5240	28°41'52.85016"	81°19'40.86008"	.999954730	FOUND 3.5" BRASS FDOT DISK "D5PNC 72001 007"		
A1008	79+44.95	38.47' LT.	70.307	1586624.4029	552013.8243	28°41'52.81712"	81°19'29.57113"	.999954590	FOUND 3.5" BRASS FDOT DISK "D5PNC 72001 008"		
AK7056	71+71.02	718.12' LT.	70.184	1587302.2927	551238.3517	28°41'59.50713"	81°19'38.30048"	.999954790	FOUND DRM IN 4" WELL & NGS CAP "V016 1990"		
DE9923	196+41.85	5944' RT.	58.550	1580640.7	549267.8	28°40'54.0"	81°20'00.0"	N/A	FOUND DRM IN 4" WELL & NGS CAP "A 458 1997"		
DE9925	150+78.94	49.2' LT.	81.857	1586627.2	544875.1	28°41'52.0"	81°20'49.0"	N/A	FOUND 3.5" BRASS NGS DISK "C 458 1997"		
72101001	107+15.46	45.0' LT.	87.979	1586658.2	540512.2	28°41'52.824"	81°21'38.727"	.999956506	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 001"		
72101002	117+15.37	44.4' LT.	86.814	1586640.9	541512.1	28°41'52.682"	81°21'27.498"	.999956242	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 002"		
72101003	127+15.96	53.3' LT.	85.873	1586631.6	542512.1	28°41'52.619"	81°21'16.269"	.999955981	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 003"		
72101004	137+16.27	57.6' LT.	84.993	1586636.4	543511.9	28°41'52.697"	81°21'05.041"	.999955722	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 004"		
72101005	147+16.51	45.3' LT.	82.971	1586625.2	544512.2	28°41'52.615"	81°20'53.809"	.999955464	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 005"		
72101006	157+30.53	39.6' LT.	79.410	1586615.9	545527.0	28°41'52.552"	81°20'42.414"	.999955206	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 006"		
72101007	167+30.48	39.5' LT.	72.532	1586617.5	546526.9	28°41'52.596"	81°20'31.185"	.999954953	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 007"		
72101008	177+30.48	39.3' LT.	65.929	1586618.9	547526.9	28°41'52.638"	81°20'19.956"	.999954703	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 008"		
72101009	187+34.57	39.0' LT.	65.523	1586715.4	548522.2	28°41'53.622"	81°20'08.783"	.999954457	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 009"		
72101010	54+50.85	49.4' LT.	71.913	1586631.2	549518.7	28°41'52.815"	81°19'57.591"	.999954212	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 010"		
72101011	64+43.64	39.5' LT.	72.033	1586622.3	550511.5	28°41'52.754"	81°19'46.442"	.999953970	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 011"		
72101012	74+42.53	57.4' LT.	71.352	1586642.2	551511.4	28°41'52.979"	81°19'35.214"	.999953729	SET 3.25" ALUMINUM FDOT DISK "D5PNC 72101 012"		
<div>GENERAL NOTES: 1.) ANY PROJECT CONTROL MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DESTROYED THE PROJECT ADMINISTRATOR SHOULD NOTIFY THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DISTRICT FIVE SURVEYING AND MAPPING SURVEYOR WITHOUT DELAY, BY TELEPHONE (386) 943-5116 OR BY EMAIL AT NICHOLAS.CAMPANILE@DOT.STATE.FL.US 2.) THE PRIMARY HORIZONTAL CONTROL POINTS FOR THIS PROJECT WERE ESTABLISHED BY THE DISTRICT FIVE SURVEYING AND MAPPING UNIT IN NETWORK 72001 AND IS RELATED TO THE FLORIDA PERMANENT REFERENCE NETWORK (FPRN) REFERENCE STATIONS "FLEU", "ORL1", "POLK", AND "SNFD". ALTHOUGH THE FPRN IS BASED ON THE MOST CURRENT REALIZATION (NAD 83 /2011, EPOCH 2010.000 AFTER 1/6/2020), BEARINGS AND COORDINATES SHOWN HEREON ARE RELATED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, 1983 NORTH AMERICAN DATUM, 1990 ADJUSTMENT TO BE CONGRUENT WITH FORMER AND ADJACENT MAPPING PROJECTS. 3.) THE PRIMARY VERTICAL CONTROL FOR THIS PROJECT WAS ESTABLISHED BY ECHO UES, INC. IN NETWORK 72101 VIA DIFFERENTIAL LEVELING AND ARE RELATED TO THE NORTH AMERICAN VERTICAL DATUM, 1988 ADJUSTMENT, BASED ON PUBLISHED VALUES FOR THE FOLLOWING NATIONAL GEODETIC SURVEY (NGS) STATIONS PERMANENT IDENTIFICATION (PID) "DE9923" AND "DE9925". 4.) THE EXISTING S.R. 434 BASELINE OF SURVEY ALIGNMENT "AL1" DEPICTED HEREON IS BASED ON RIGHT OF WAY SECTION 77580-2601, SECTION 77580-2609, AND SECTION 77010-2533. 5.) ATTENTION IS DIRECTED TO THE FACT THESE MAPS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA. 6.) ALL DISTANCES AND BEARINGS ARE COMPUTED UNLESS OTHERWISE INDICATED. COORDINATES, DISTANCES, AND ELEVATIONS SHOWN HEREON ARE IN U.S. SURVEY FOOT AND DECIMALS OF A FOOT THEREOF.</div> <div>ABBREVIATIONS: ARP = ANTENNA REFERENCE POINT AHD. = AHEAD BK. = BACK B = BASELINE CL = CENTERLINE CORS = CONTINUALLY OPERATING REFERENCE STATION CM = CONCRETE MONUMENT DRM = DEEP ROD MARK E = EAST F.P. = FINANCIAL PROJECT FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION FPRN = FLORIDA PERMANENT REFERENCE NETWORK ID. = IDENTIFICATION IRC = IRON ROD AND CAP LT. = LEFT LB = LICENSED BUSINESS N = NORTH NGS = NATIONAL GEODETIC SURVEY NO. = NUMBER N/A = NOT APPLICABLE N&D = NAIL AND DISK P.C. = POINT OF CURVATURE P.I. = POINT OF INTERSECTION PID = PERMANENT IDENTIFIER PNC = PROJECT NETWORK CONTROL PK = PARKER-KALON FASTENER P.O.T. = POINT ON TANGENT P.T. = POINT OF TANGENCY RT. = RIGHT RGE. = RANGE S = SOUTH STA. = STATION SEC. = SECTION S.R. = STATE ROAD TWP. = TOWNSHIP W = WEST U.S. = UNITED STATES & = AND Δ = DELTA T = TANGENT L = LENGTH R = RADIUS</div>											
REVISIONS					ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT CONTROL	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817	SR 434	SEMINOLE	441015-1-52-01	9	

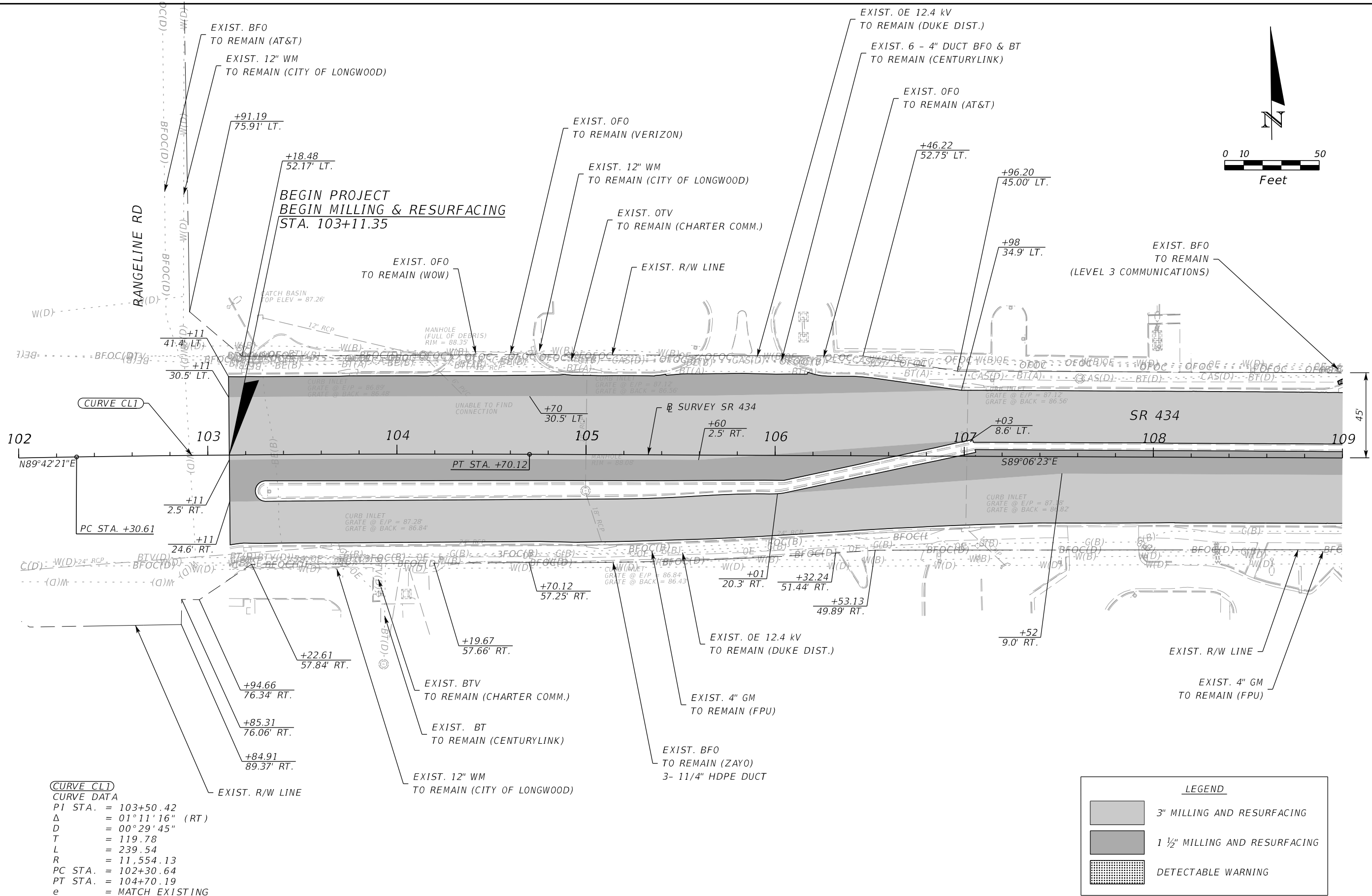
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GENERAL NOTES																					
1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).																					
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER 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:																					
MARK J. EFIRD, PSM NO. 5454 ECHO UES, INC. 4803 GEORGE ROAD, SUITE 350 TAMPA, FLORIDA 33634 FLORIDA LICENSED BUSINESS NO. 8184				DAVID F. MCKAY, PSM NO. 5435 I.F. ROOKS & ASSOCIATES, LLC 106 NW DRANE STREET PLANT CITY, FL 33563 FLORIDA LICENSED BUSINESS NO. 6618																	
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		EMAIL															
AT&T DISTRIBUTION		KIRBY SPENCER		386-366-4588		KS2488@ATT.COM															
AT&T TCA		MARTIN SHAW		610-328-6485		MARTIN@TREGROUP.COM															
CENTURYLINK		DAVID R. BRYNES		689-407-3564		DAVID.R.BRYNES@LUMEN.COM															
CENTURYLINK - LUMEN (L3)		ERIC WALLS		407-842-9634		ERIC.WALLS1@LUMEN.COM															
CHARTER COMMUNICATIONS		LASZLO WAGNER		407-215-5716		LASZLO.WAGNER@CHARTER.COM															
CITY OF LONGWOOD		JEFF FRENCH		407-263-2396		JFRENCH@LONGWOODFL.ORG															
DUKE ENERGY DISTRIBUTION		BRET GORDON		407-772-5309		BRET.GORDON@DUKE-ENERGY.COM															
DUKE ENERGY TRANSMISSION		SCOTT VANVELZOR		727-332-9403		SVANVELZOR@PIKE.COM															
FLORIDA PUBLIC UTILITIES		JOHNNY HILL		352-636-7056		JHILL@FPUC.COM															
LEVEL 3 COMMUNICATIONS		ERIC WALLS		407-842-9634		ERIC.WALLS@LUMEN.COM															
VERIZON BUSINESS (FKA MCI)		TIM COLE		407-702-6425		TIMOTHY.COLE@VERIZON.COM															
SMART CITY		TRES RAMER		407-828-6720		TRAMER@SMARTCITY.COM															
TCA/AT&T METRO		MARTIN SHAW		610-513-7050		MARTIN@TREGROUP.COM															
WOW FIBER INTERNET		DAVE HAMLIN		727-239-0156		DAV.HAMLIN@WOWINC.COM															
ZAYO GROUP		KATE PETERS		815-274-7274		KATE.PETERS@COBBFENDLEY.COM															
5. LYNX TRANSIT'S ROUTE #1 IS WITHIN THE SR 434 PROJECT LIMITS. CONTACT/COORDINATE WITH THE TRANSIT AGENCY PRIOR TO AND DURING CONSTRUCTION:																					
START WORK NOTIFICATION																					
JEFFERY PEARSALL, MANAGER OF TRANSPORTATION		(407) 254-6108		JPEARSALL@GOLYNX.COM																	
BRUCE DETWEILER, MANAGER OF SERVICE PLANNING		(407) 254-6136		BDETWEILER@GOLYNX.COM																	
JENNIFER HALL, PROJECT MANAGER		(407) 254-6110		JHALL@GOLYNX.COM																	
LANE CLOSURE NOTIFICATIONS																					
JEFFERY PEARSALL, MANAGER OF TRANSPORTATION		(407) 254-6108		JPEARSALL@GOLYNX.COM																	
REY QUINONES, MANAGER OF TRANSPORTATION		(407) 254-6223		RQUINONES@GOLYNX.COM																	
BRUCE DETWEILER, MANAGER OF SERVICE PLANNING		(407) 254-6136		BDETWEILER@GOLYNX.COM																	
6. IF EXISTING ITS FACILITIES ARE IMPACTED BY CONSTRUCTION ACTIVITIES, CONTACT THE FDOT TRAFFIC OPERATIONS MANAGER AT (386) 943-5000.																					
7. ADJUST ALL VALVE BOXES, RINGS, ETC. ON THE SIDE STREETS TO MATCH THE FINAL PAVEMENT GRADE. IF EXISTING VALVE RINGS, COVERS, RISERS, ETC. ARE DAMAGED BY CONSTRUCTION ACTIVITIES, CONTACT THE CITY OF LONGWOOD AT (407) 263-2396 FOR REPLACEMENTS.																					
8. APPLY FOR A NO FEE RIGHT OF WAY PERMIT FROM THE CITY OF LONGWOOD PRIOR TO CONSTRUCTION.																					
GENERAL NOTES																					
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES												
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID													
						SR 434	SEMINOLE	441015-1-52-01													
				KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817					10												

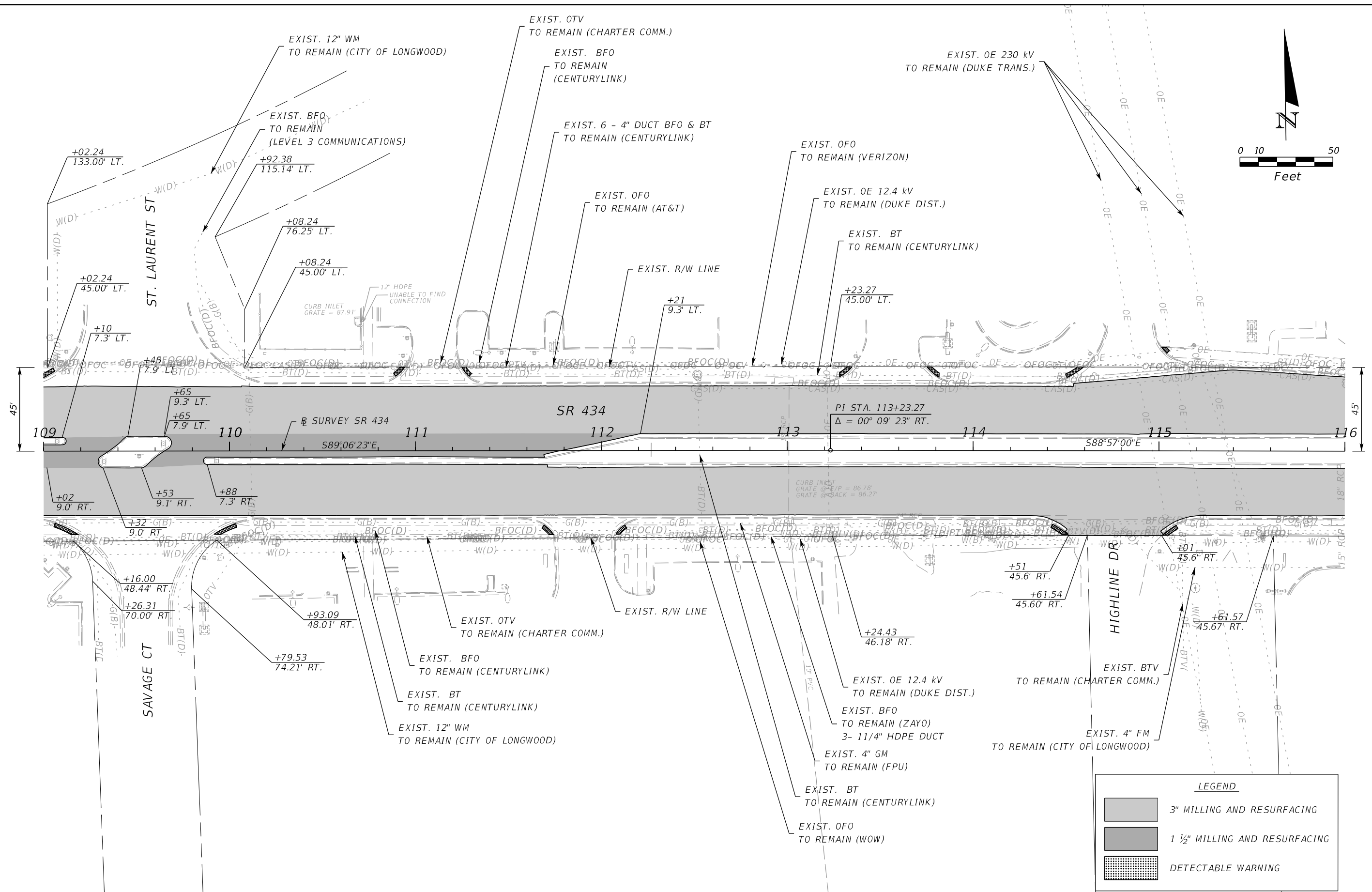
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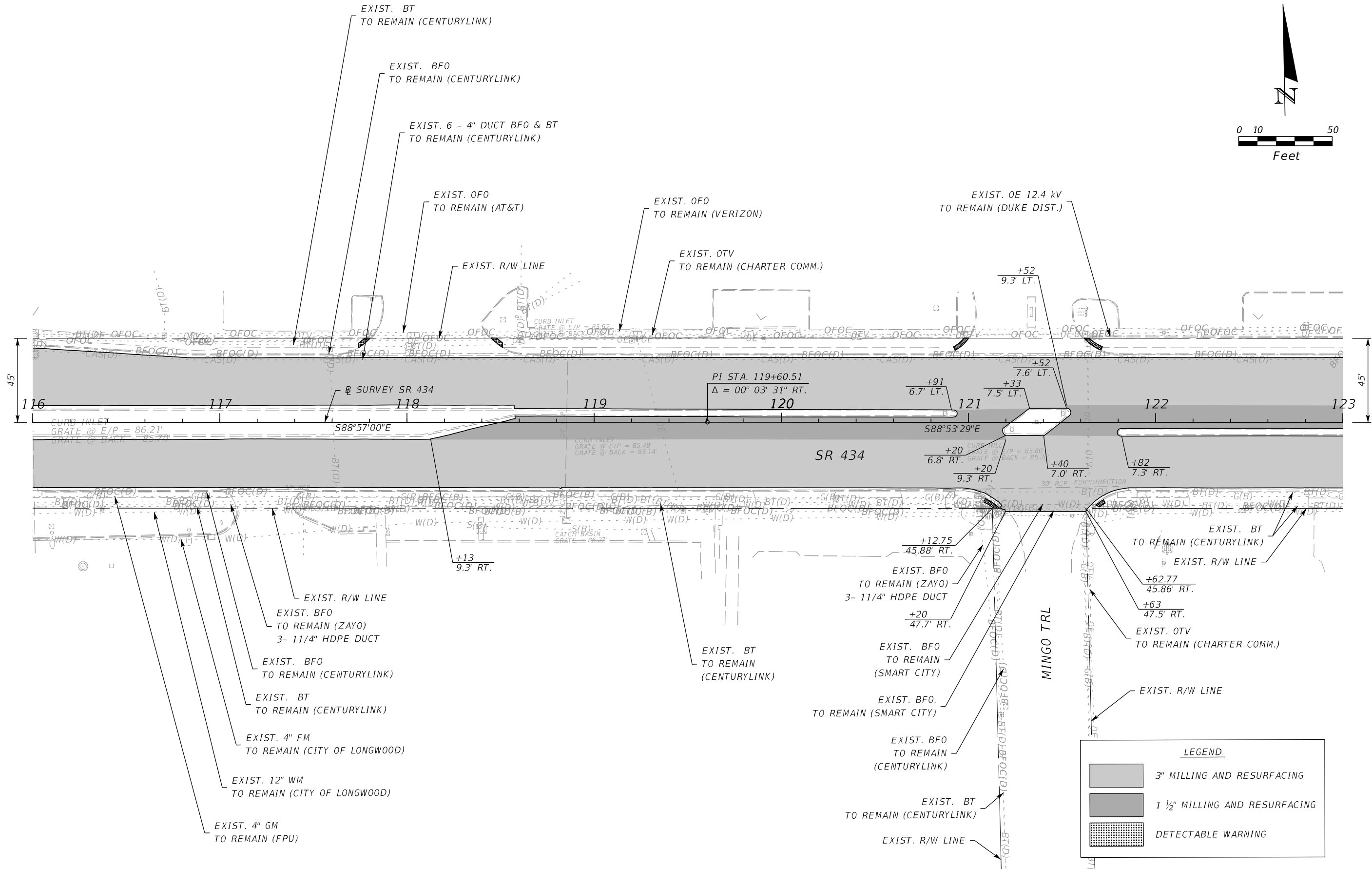
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817	SR 434	SEMINOLE	441015-1-52-01		

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		REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		

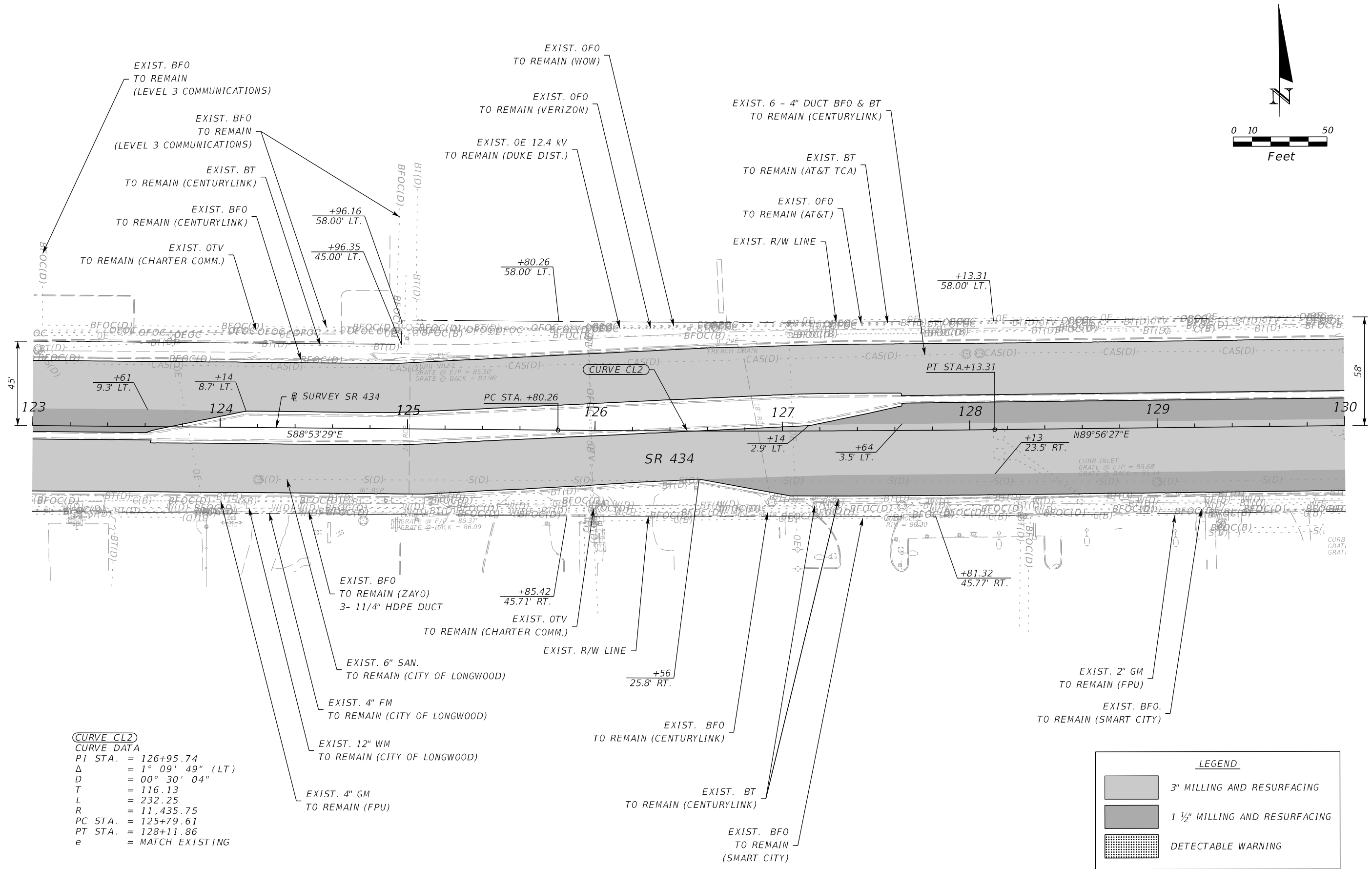
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		

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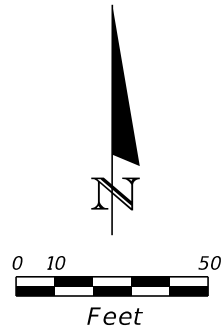
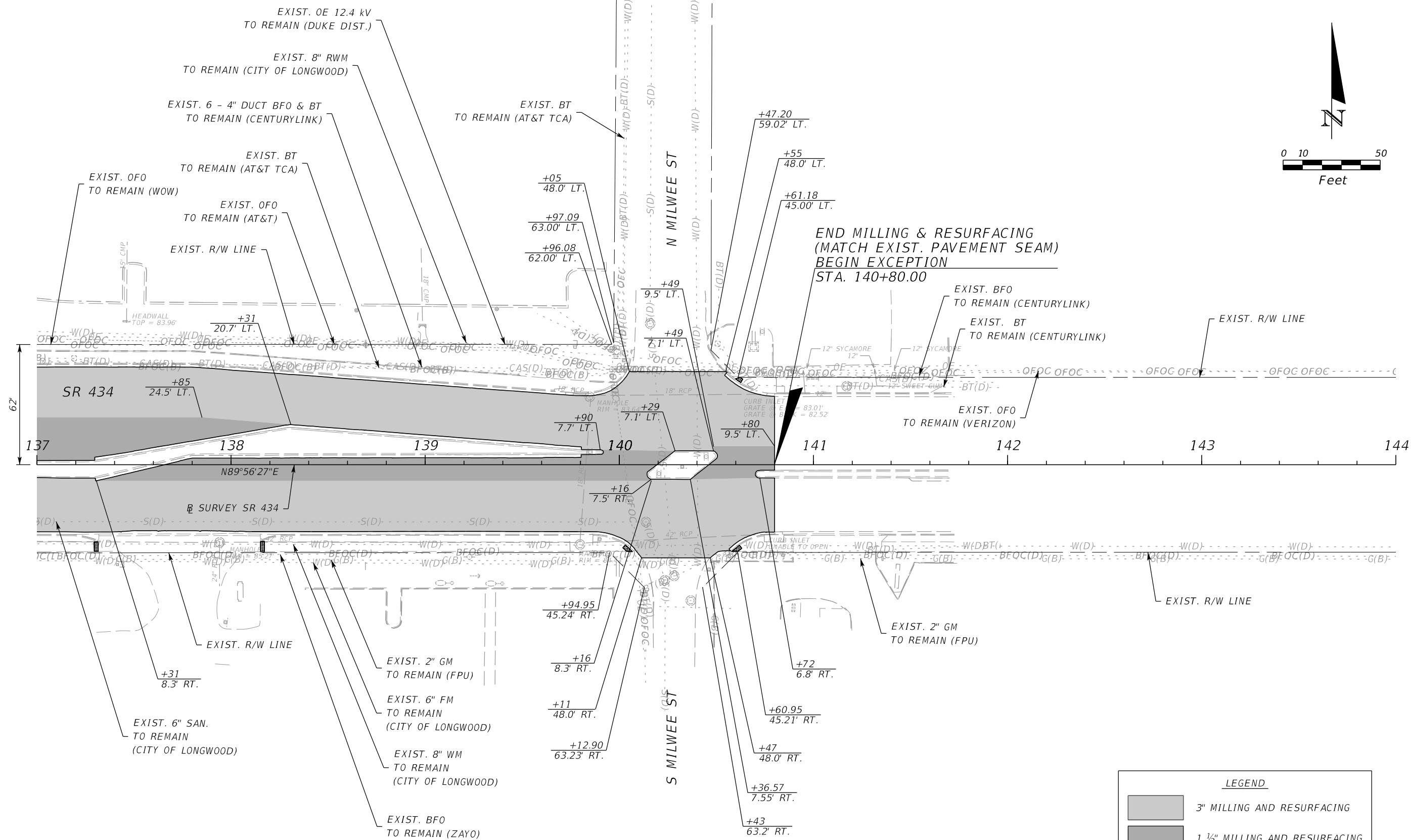
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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817	SR 434	SEMINOLE	441015-1-52-01		

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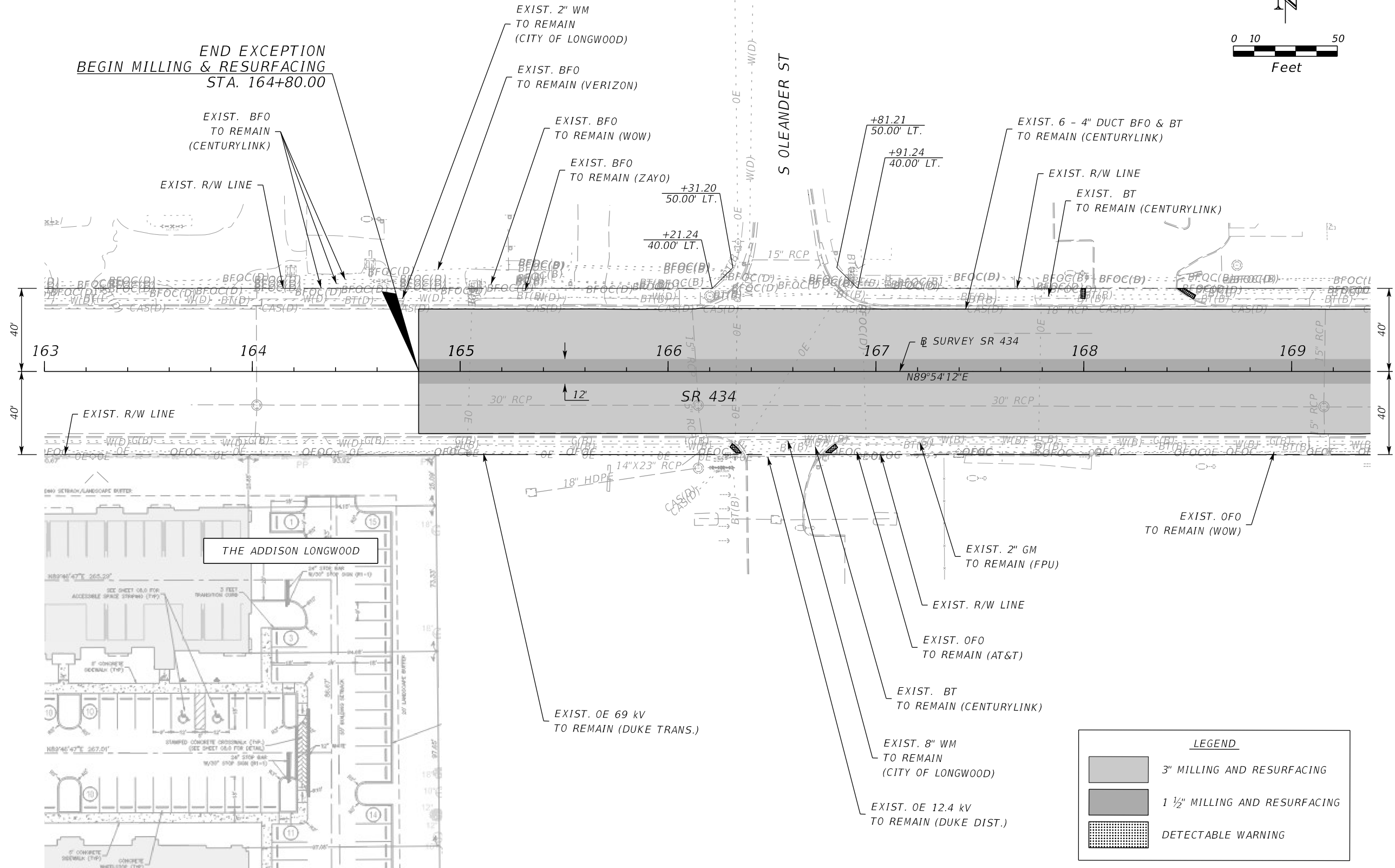


LEGEND	
<div></div>	3" MILLING AND RESURFACING
<div></div>	1 1/2" MILLING AND RESURFACING
<div></div>	DETECTABLE WARNING

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817	SR 434	SEMINOLE	441015-1-52-01		

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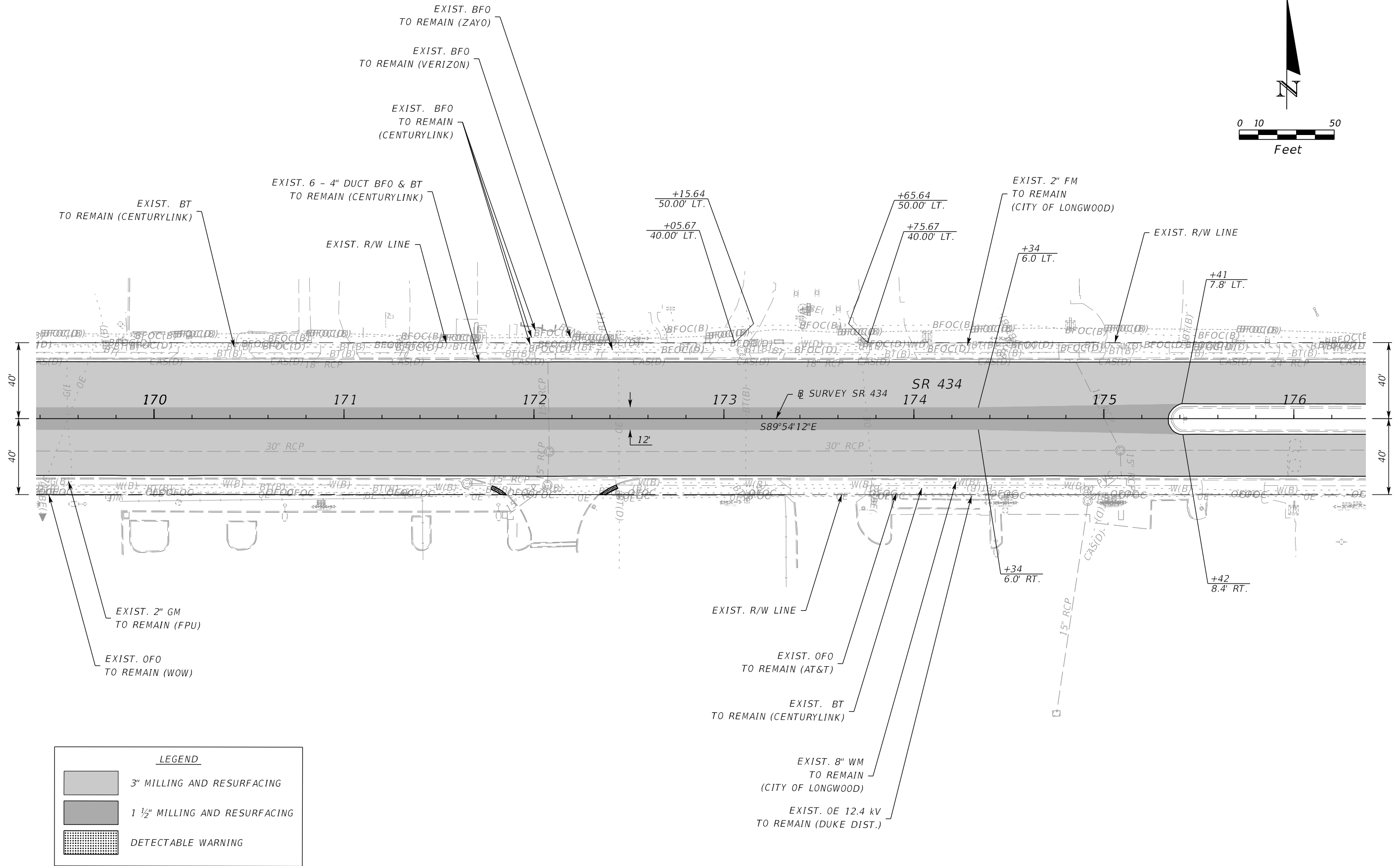
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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 434	SEMINOLE	441015-1-52-01		17

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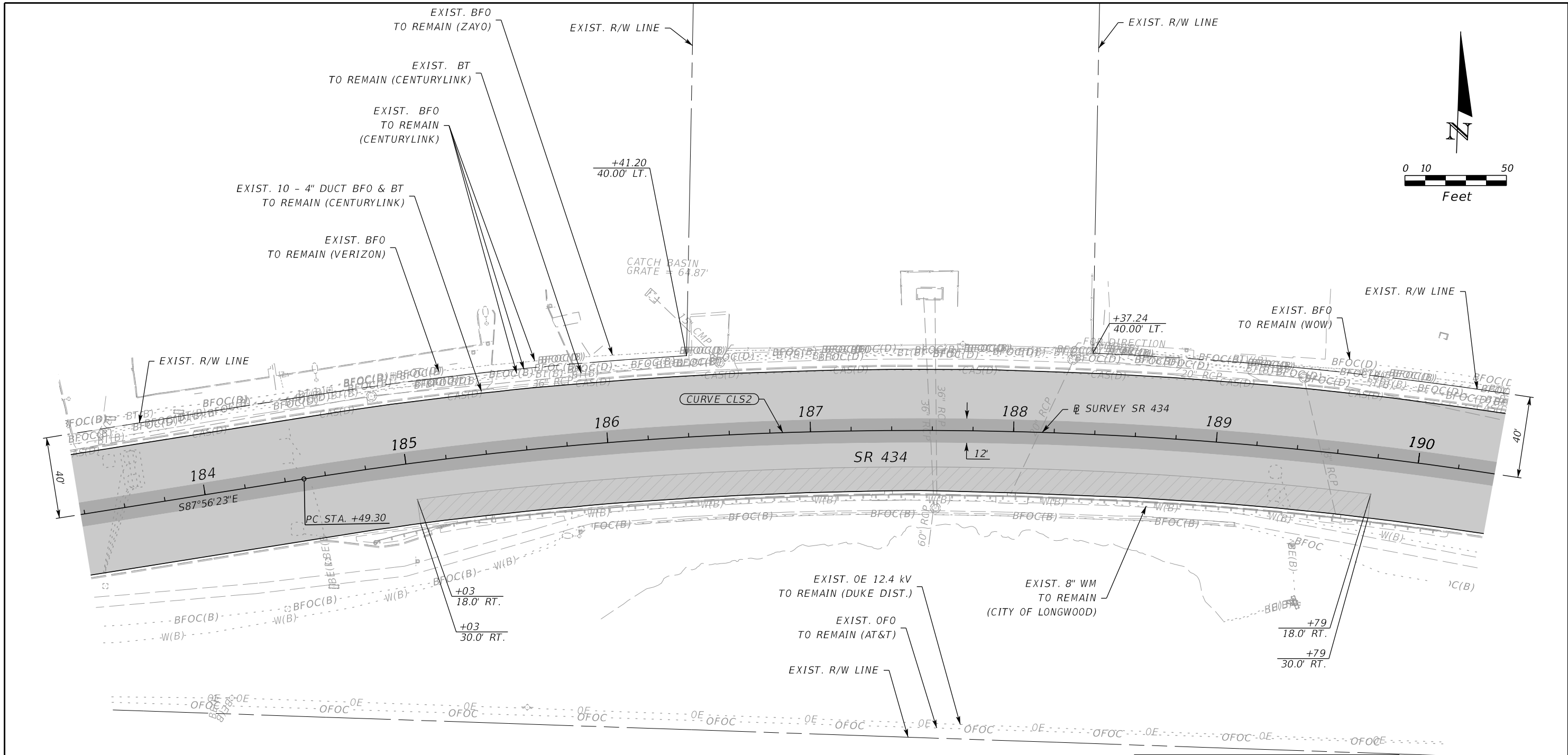
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 18
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDY DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		

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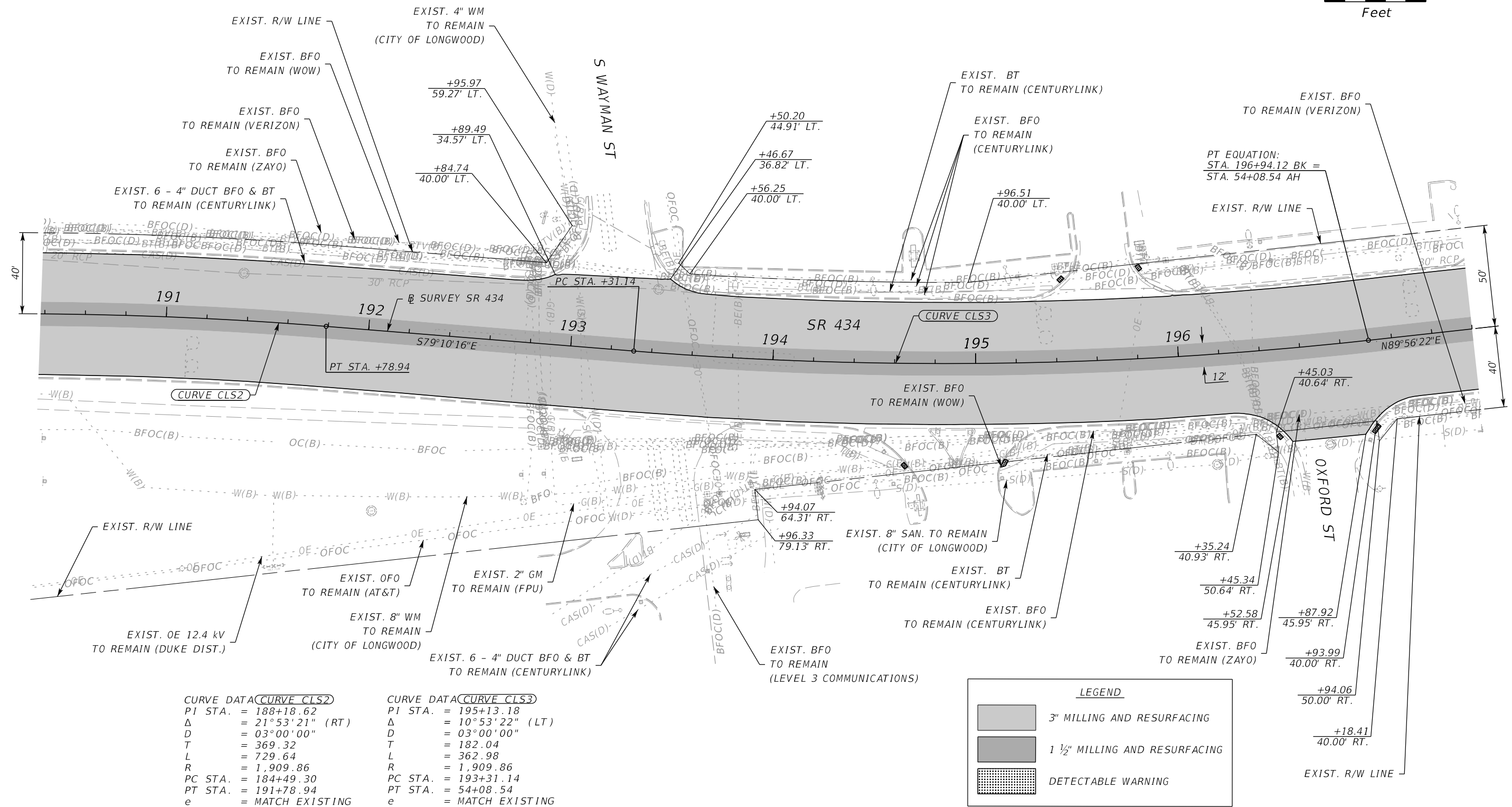
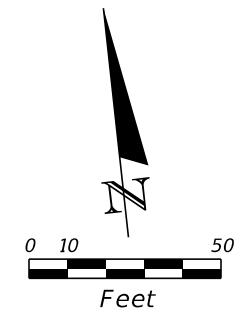


CURVE DATA (CURVE CLS2)
PI STA. = 188+18.62
Δ = 21°53'21" (RT)
D = 03°00'00"
T = 369.32
L = 729.64
R = 1,909.86
PC STA. = 184+49.30
PT STA. = 191+78.94
e = MATCH EXISTING

LEGEND	
	4" MILLING AND RESURFACING
	3" MILLING AND RESURFACING
	1 1/2" MILLING AND RESURFACING
	DETECTABLE WARNING

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 434	SEMINOLE	441015-1-52-01		

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CURVE DATA (CURVE CLS2)
PI STA.    = 188+18.62
Δ          = 21°53'21" (RT)
D          = 03°00'00"
T          = 369.32
L          = 729.64
R          = 1,909.86
PC STA.    = 184+49.30
PT STA.    = 191+78.94
e          = MATCH EXISTING

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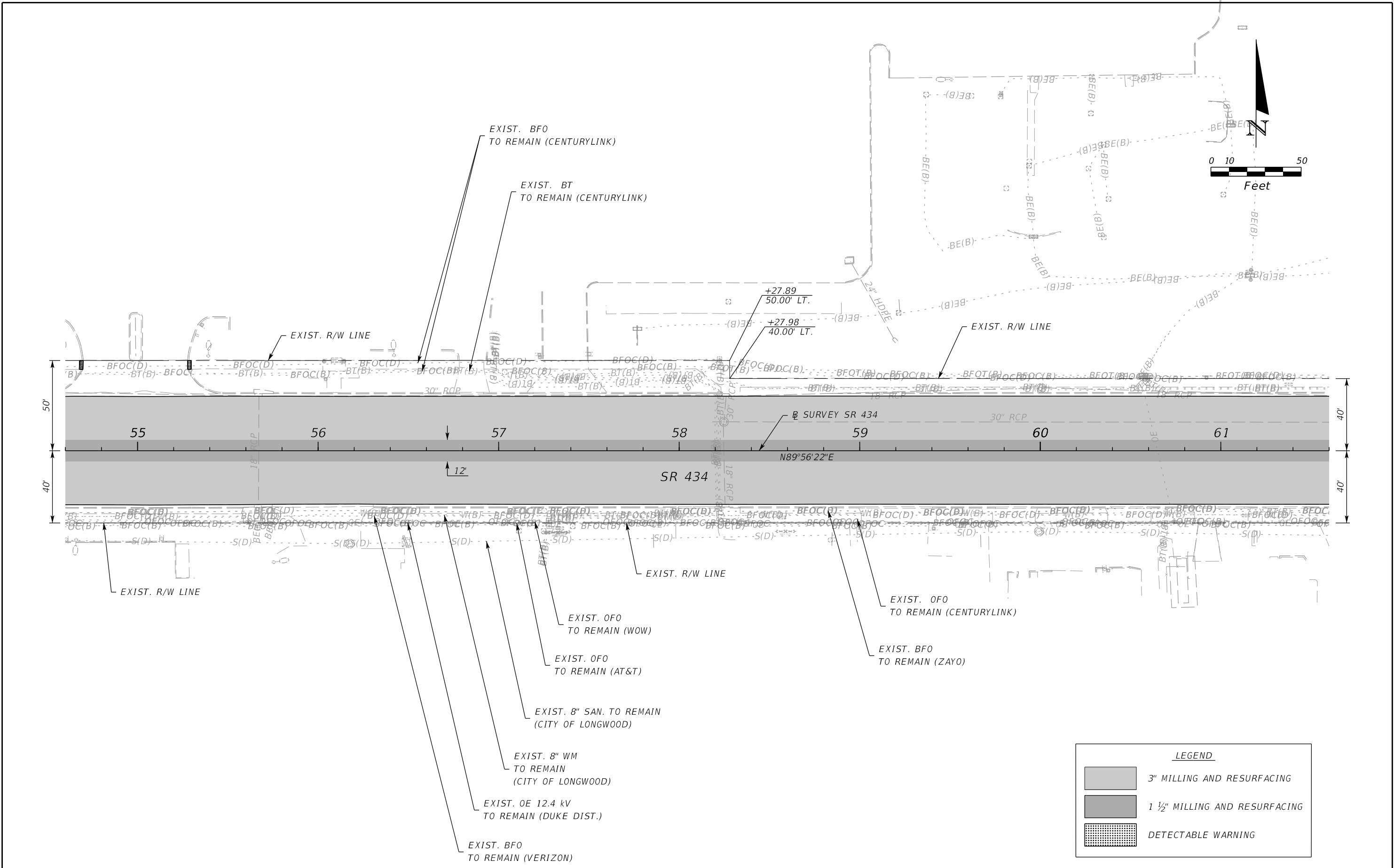
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 D = 03°00'00"
 T = 182.04
 L = 362.98
 R = 1,909.86
 PC STA. = 193+31.14
 PT STA. = 54+08.54
 e = MATCH EXISTING

LEGEND

	3" MILLING AND RESURFACING
	1 1/2" MILLING AND RESURFACING
	DETECTABLE WARNING

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>ROADWAY PLAN</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		21
					SR 434	SEMINOLE	441015-1-52-01		

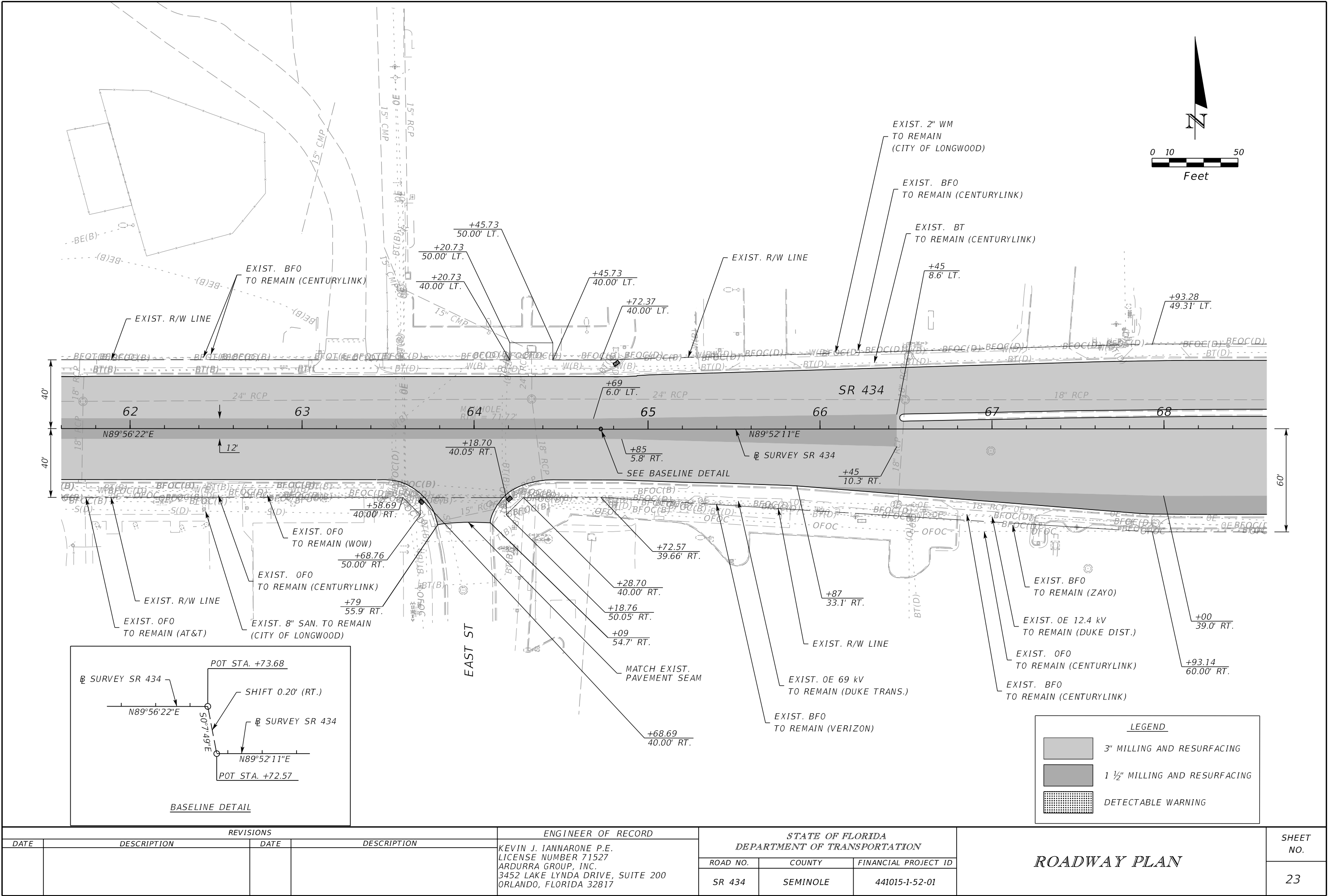
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDY DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		

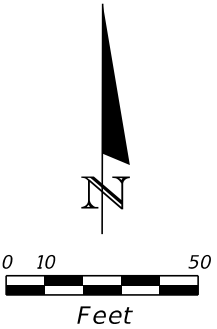
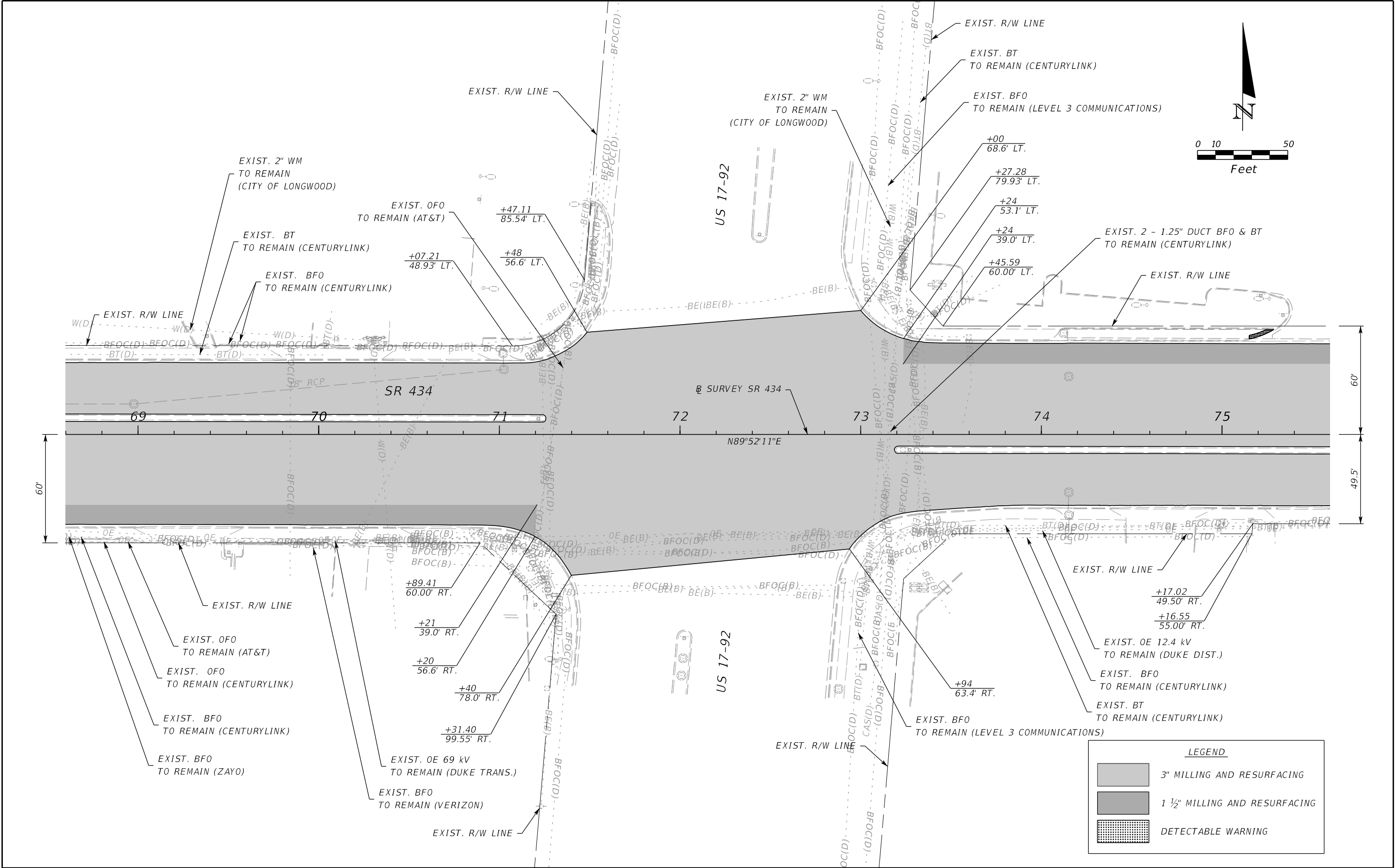
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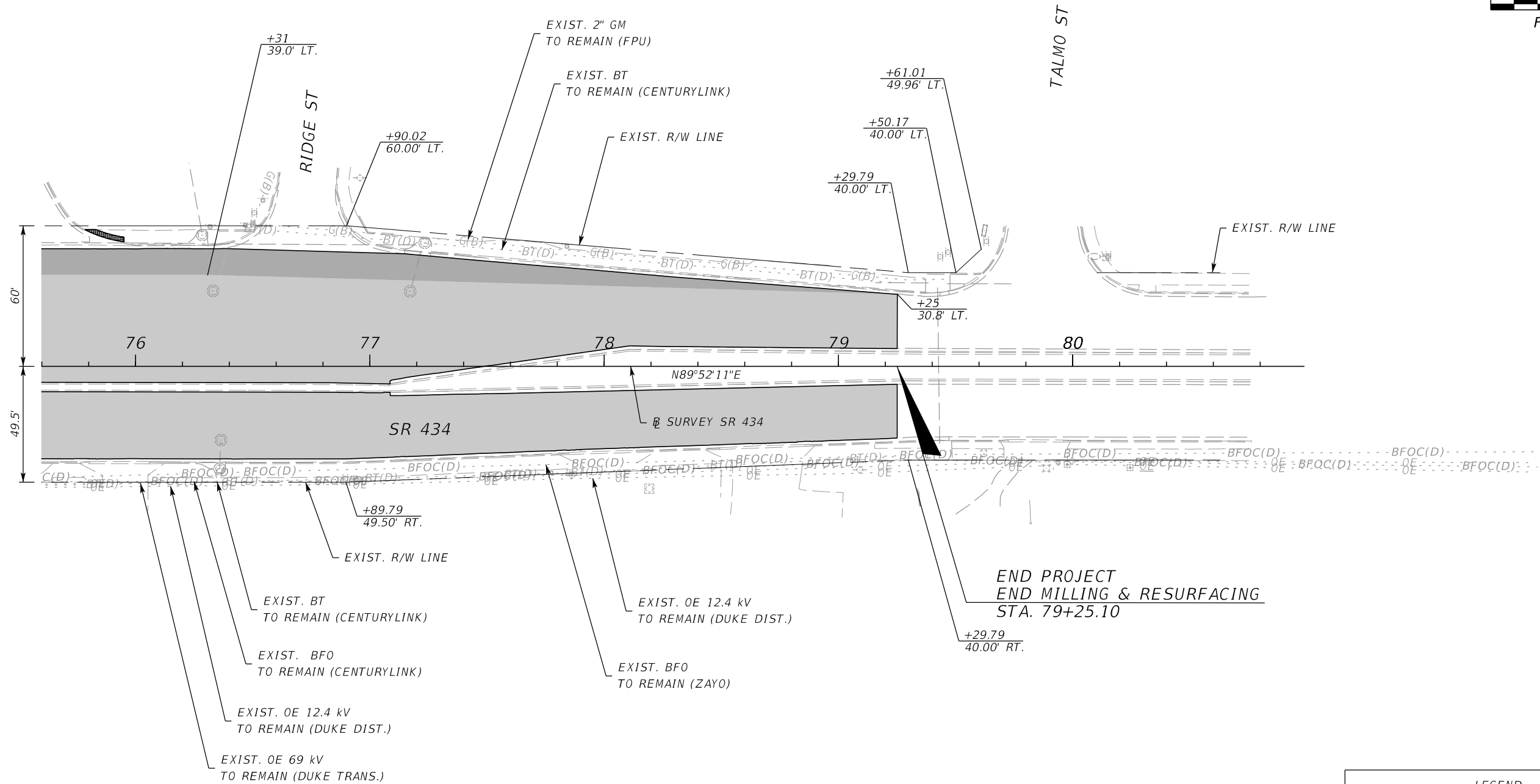


LEGEND	
	3" MILLING AND RESURFACING
	1 1/2" MILLING AND RESURFACING
	DETECTABLE WARNING

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDY DRIVE, SUITE 200 ORLANDO, FLORIDA 32817	SR 434	SEMINOLE	441015-1-52-01		

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LEGEND	
	3" MILLING AND RESURFACING
	1 1/2" MILLING AND RESURFACING
	DETECTABLE WARNING

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID	25
						SR 434	SEMINOLE		441015-1-52-01	
				KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817						

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TEMPORARY TRAFFIC CONTROL GENERAL NOTES

1.

THE EXISTING POSTED SPEED LIMIT ON SR 434 WILL BE MAINTAINED.
2.

LANE CLOSURES MAY ONLY BE USED DURING ACTIVE WORK PERIODS. THE LANE CLOSURE RESTRICTIONS FOR THIS PROJECT ARE AS FOLLOWS:

OPEN ROAD:
- NO LANE CLOSURES PERMITTED FROM 7:30 AM TO 7:00 PM

WITHIN 600' OF A SIGNALIZED INTERSECTION:
- NO LANE CLOSURES PERMITTED FROM 6:00 AM TO 9:30 PM
3.

A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) IS REQUIRED AS NOTED BELOW.

14 DAYS PRIOR TO CONSTRUCTION, THE PCMS WILL READ:

CONST
BEGINS
MM/DD

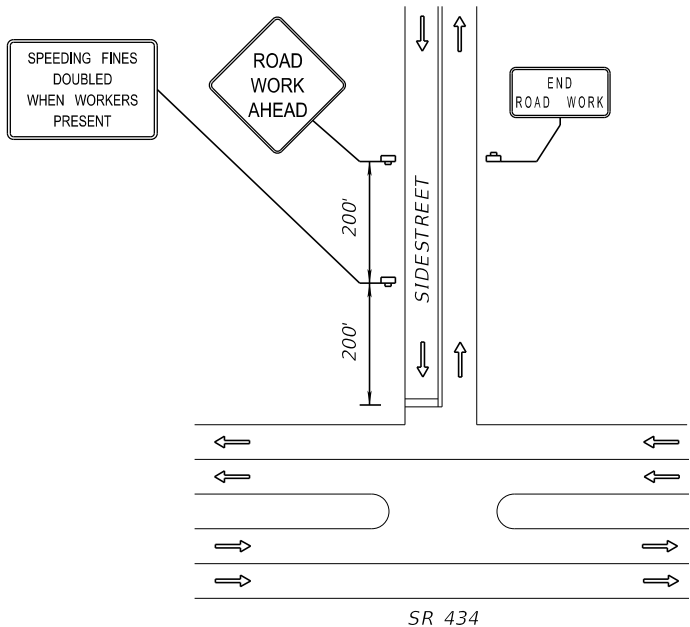
24 HOURS IN ADVANCE OF LANE CLOSURE, THE PCMS WILL READ:

LANE
CLOSURE
MM/DD

DURING LANE CLOSURE, THE PCMS WILL READ:

PART 1 - CAUTION
PART 2 - LANE CLOSED AHEAD
4.

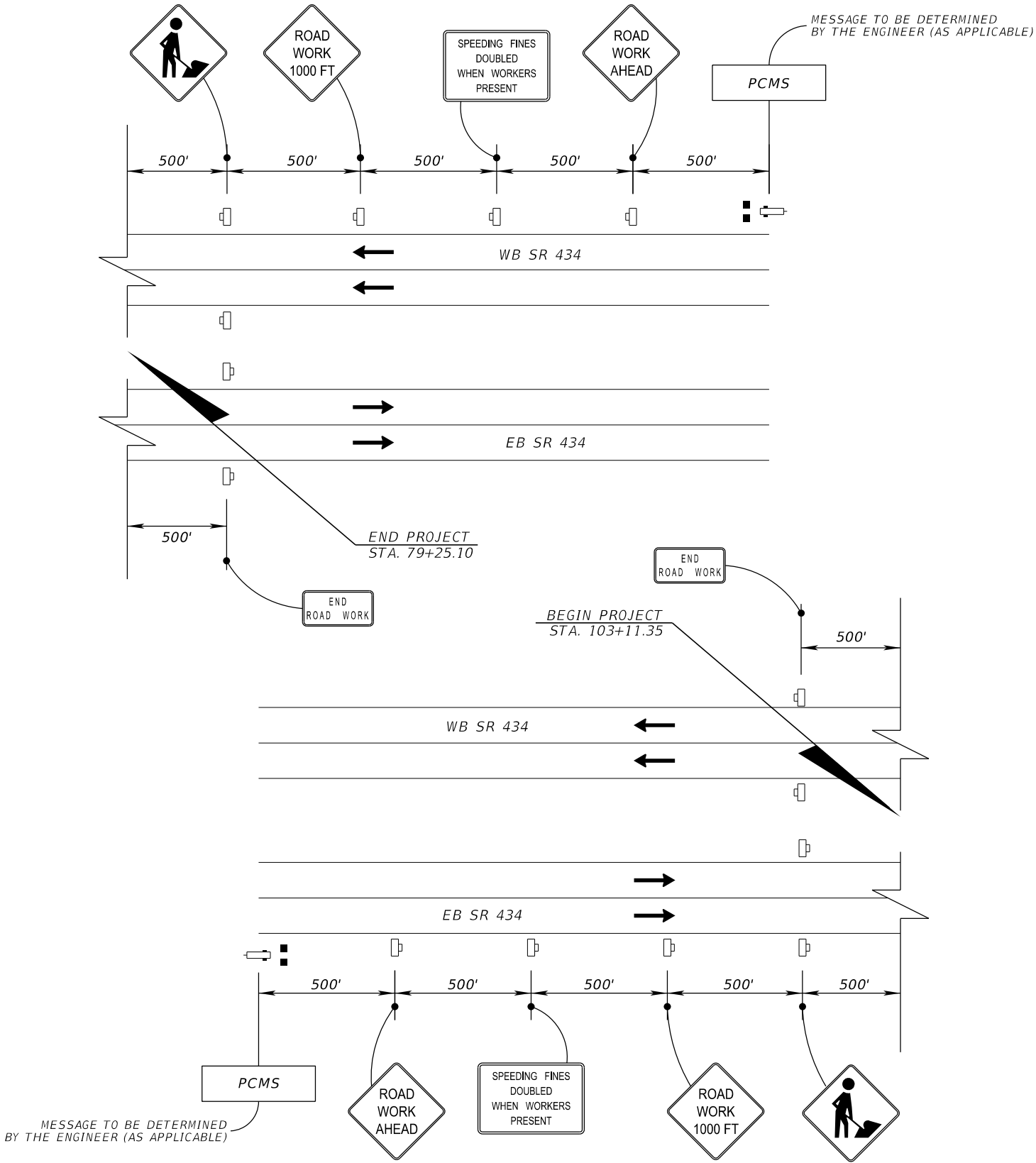
PLACE ADVANCE WARNING SIGNS AT THE BEGINNING AND END OF THE WORK ZONE PER THE SR 434 ADVANCE WARNING DETAIL.



SIDE STREET ADVANCE WARNING DETAIL

N.T.S.

SIDE STREET ADVANCED WARNING SIGN DETAIL TO BE INSTALLED AT ALL SIDE STREETS.



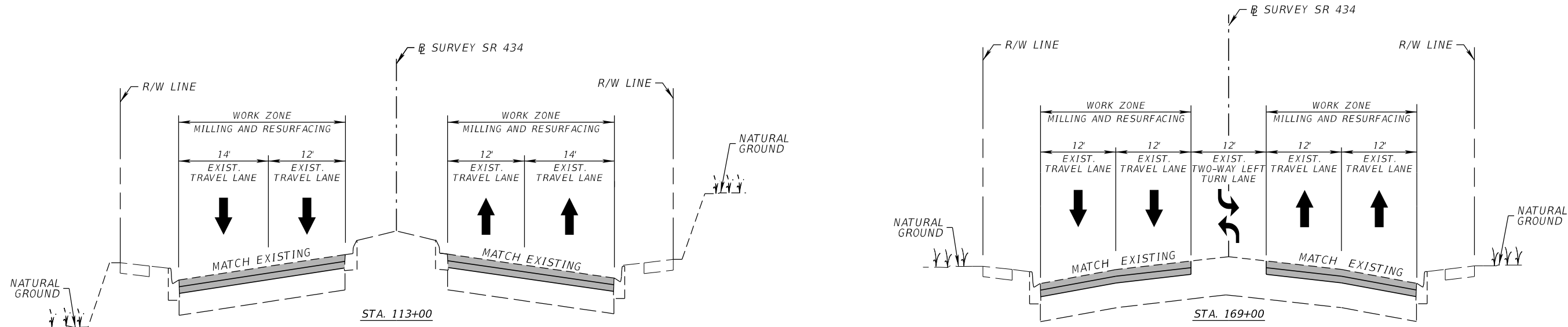
SR 434 ADVANCE WARNING DETAIL

N.T.S.

ADVANCE WARNING SIGN DETAIL TO BE INSTALLED AT BOTH PROJECT TERMINI.

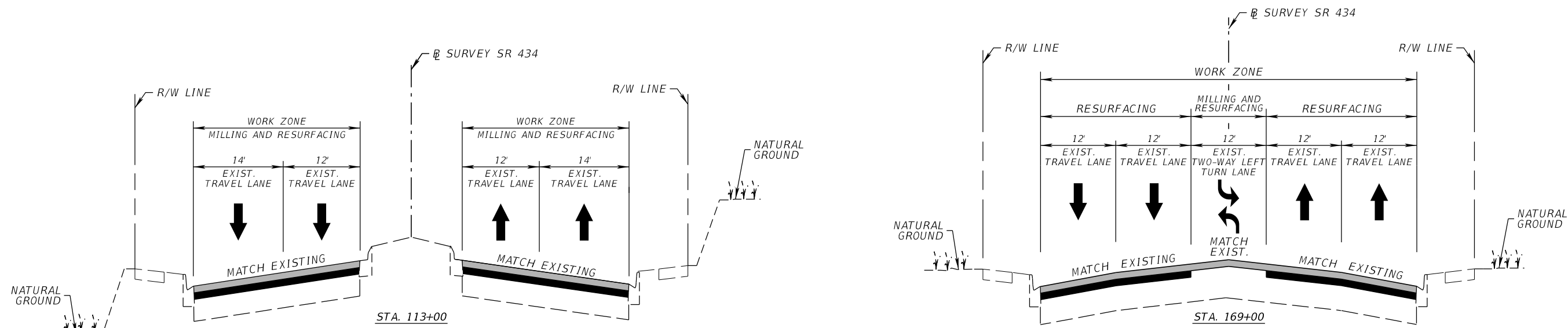
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE P.E. LICENSE NUMBER 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DRIVE, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		26

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PHASE I

1. INSTALL DETECTABLE WARNINGS AS SHOWN IN THE PLANS. CONTROL PEDESTRIAN TRAFFIC PER INDEX 102-660.
2. MILL AND RESURFACE THE EXISTING TRAVEL LANES AND SIDE STREETS PER THE PLANS (OMIT FRICTION COURSE). CONTROL TRAFFIC PER INDEX 102-613 AND 102-615.
3. PLACE PAINTED PAVEMENT MARKINGS PER THE SIGNING AND PAVEMENT MARKING PLANS. CONTROL TRAFFIC PER INDEX 102-607.

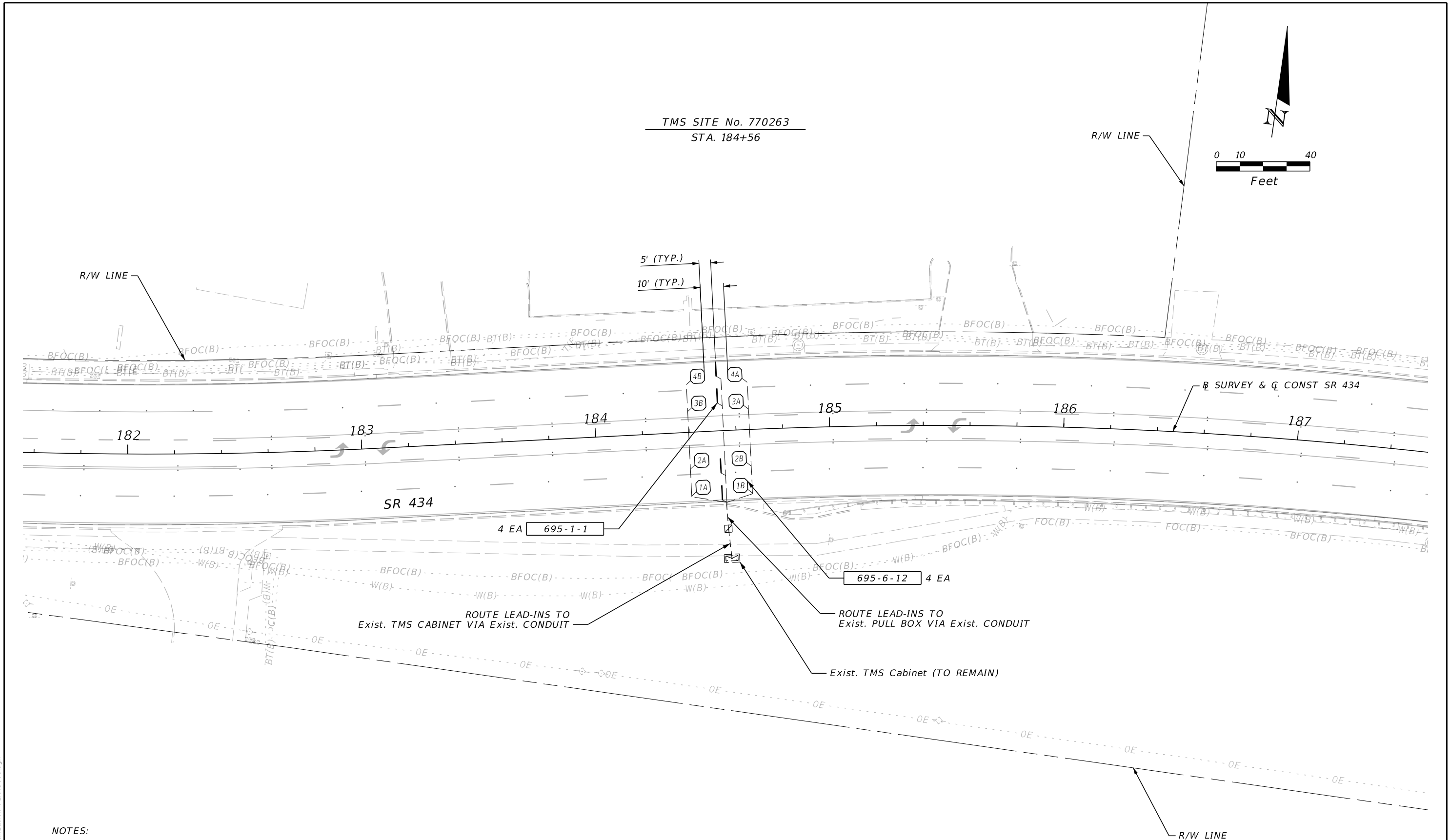


PHASE II

1. MILL THE EXISTING TURN LANES. CONTROL TRAFFIC PER INDEX 102-613, 102-615, AND 102-628.
2. PLACE THE FINAL FRICTION COURSE ACROSS ALL LANES AND SIDE STREETS PER THE PLANS. CONTROL TRAFFIC PER INDEX 102-613 AND 102-628.
3. PLACE PAINTED PAVEMENT MARKINGS PER THE SIGNING AND PAVEMENT MARKING PLANS. CONTROL TRAFFIC PER INDEX 102-607.
4. INSTALL SIGNAL LOOPS AS SHOWN IN SIGNALIZATION PLANS. CONTROL TRAFFIC PER INDEX 102-613.
5. AFTER THE ASPHALT CURING PERIOD, PLACE THE FINAL THERMOPLASTIC PAVEMENT MARKINGS. CONTROL TRAFFIC PER INDEX 102-607.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	KEVIN J. IANNARONE, PE LICENSE NUMBER: 71527 ARDURRA GROUP, INC. 3452 LAKE LYNDA DR, SUITE 200 ORLANDO, FLORIDA 32817		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		

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NOTES:

1. CONTACT CHERYL BURKE AT (386) 943-5380 A MINIMUM OF 10 WORKING DAYS PRIOR TO PERFORMING ANY WORK AT TMS NO. 770263, INCLUDING THE SCHEDULING OF DOWNTIME, THE INSTALLATION OF THE LOOP ASSEMBLIES AND VEHICLE AXLE SENSORS.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC MONITORING SITE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ALEX W. HINKLE, P.E. LICENSE NUMBER 82354 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO, FL 32801		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 434	SEMINOLE	441015-1-52-01		28



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

ROADWAY SOILS SURVEY
REPORT OF TESTS

TOWNSHIP: 20, 21 SOUTH
RANGE: 30 EAST
SECTION: 33, 5

PROJECT NO.: 441015-1-32-01, 443838-1-32-01
ROAD NO.: SR 434 IMPROVEMENTS FROM OLEANDER ST. TO US 17-92
SUBMITTED BY: ANTILLIAN ENGINEERING ASSOCIATES, INC.

DATE OF SURVEY: 11/04/2021
SURVEYED BY: ANTILLIAN ENGINEERING ASSOCIATES, INC.
SURVEY BEGINS STA. NO.: MM 8.45
SURVEY ENDS STA. NO.: MM 8.90
DATE REPORTED: 11/22/2021

ORGANIC CONTENT				SIEVE ANALYSIS RESULTS (% PASSING)						ATTERBERG LIMITS (%)				CORROSION TEST RESULTS				ENVIRONMENTAL CLASSIFICATION (SUBSTRUCTURE)		
STRATUM NO.	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT %	NO. OF TESTS	#10 MESH	#40 MESH	#60 MESH	#100 MESH	#200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTICITY INDEX	AASHTO GROUP	DESCRIPTION	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH	CONCRETE	STEEL
1	--	--	--	3	100	98-99	85-87	19-22	3-7	--	--	--	A-3	LIGHT GRAY, VERY PALE BROWN, WHITE, LIGHT YELLOWISH BROWN, BROWNISH YELLOW, AND LIGHT GRAYISH BROWN SAND	11,000-24,000	<20	20-25	6.9-7.2	SLIGHTLY AGGRESSIVE	MODERATELY AGGRESSIVE
2	--	--	--	5	100	98-99	87-90	24-33	11-21	--	--	--	A-2-4	LIGHT YELLOWISH BROWN, BROWNISH YELLOW, LIGHT BROWNISH GRAY, GRAYISH BROWN, AND BROWN SILTY SAND AND CLAYEY SAND	12,000-18,000	<40	25-33	6.3-6.9	SLIGHTLY AGGRESSIVE	MODERATELY AGGRESSIVE
NOTES																				
1. THE SYMBOL "--", IF PRESENT, REPRESENTS UNMEASURED SOIL PARAMETERS.																				
2. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY STRATA CONNECTION LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHALL BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE FDOT STANDARD SPECIFICATIONS.																				
3.  - ENCOUNTERED GROUNDWATER LEVEL																				
4.  - ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL																				
5. GNE - GROUNDWATER NOT ENCOUNTERED																				
6. STRATUM 1 (A-3) AND STRATUM 2 (A-2-4) SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLAN 120-001 AND STANDARD PLAN 120-002.																				
7. PLASTIC, HIGHLY PLASTIC, AND ORGANIC MATERIAL ENCOUNTERED WITHIN THE ROADWAY SHALL BE REMOVED IN ACCORDANCE WITH FDOT STANDARD PLAN 120-002. MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLAN 120-001.																				
REVISIONS				PETER G. SUAHL, P.E. P.E. LICENSE NO. 46910 ANTILLIAN ENGINEERING ASSOCIATES, INC. 3309 BARTLETT BOULEVARD ORLANDO, FLORIDA 32811 CERTIFICATE OF AUTHORIZATION 6685				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL SURVEY			SHEET NO.						
DATE	DESCRIPTION															DATE	DESCRIPTION			
									SR 434			SEMINOLE		441015-1-52-01		GR-1				