

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTION
4	PROJECT CONTROL
5	GENERAL NOTES
6 - 8	ROADWAY PLANS
9	CROSS SECTIONS
10 - 11	TEMPORARY TRAFFIC CONTROL PLANS
12 - 14	UTILITY ADJUSTMENTS

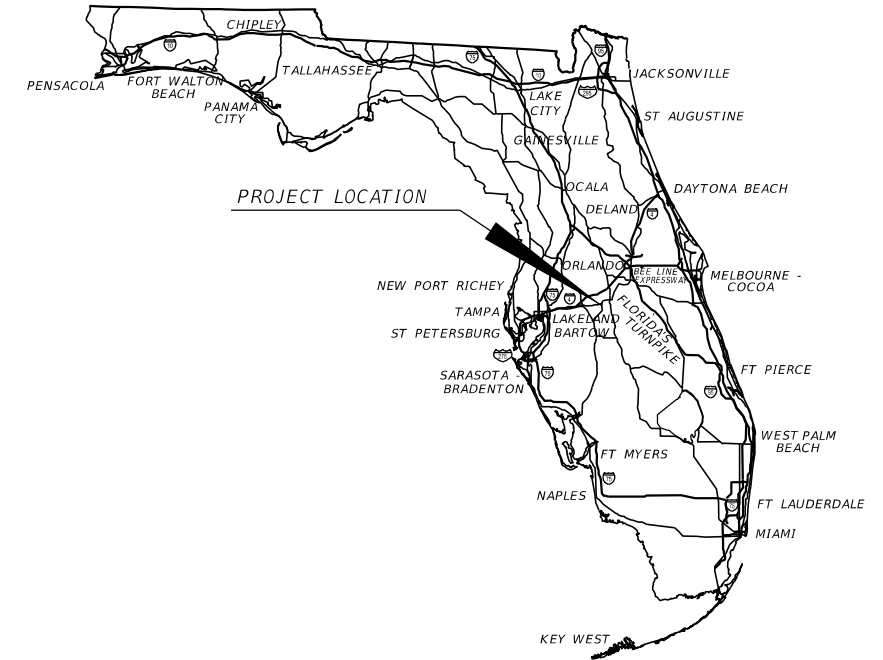
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

FINANCIAL PROJECT ID 447877-1-52-01

POLK COUNTY (16140)

STATE ROAD NO. SR 544
SAFETY IMPROVEMENTS ON SR 544 FROM 5TH ST. W.
TO 1ST ST. N.



PROJECT LOCATION URL:	https://tinyurl.com/3xbsayxx
PROJECT LIMITS:	BEGIN MP 3.351 - END MP 3.693
EXCEPTIONS:	NONE
BRIDGE LIMITS:	NONE
RAILROAD CROSSING:	NONE

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 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, January 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

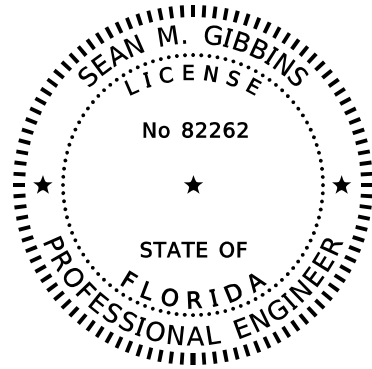
**ROADWAY PLANS
ENGINEER OF RECORD:**

SEAN M. GIBBINS, P.E.
P.E. LICENSE NUMBER 82262
DEWBERRY ENGINEERS, INC.
800 NORTH MAGNOLIA AVE., SUITE 1000
ORLANDO, FL 32803
CONTRACT NO.: EIU96
VENDOR NO.: F130746510001

FDOT PROJECT MANAGERS:

KIRBY RADFORD
JOSEPH LAUK, P.E.
TRACY PADULA

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
EIU96	23	1



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

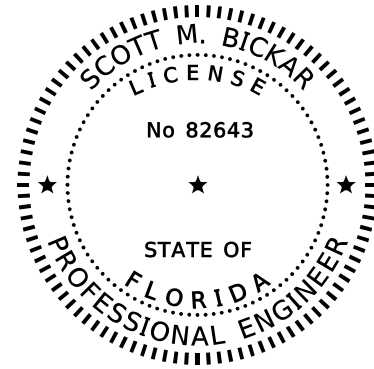
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DEWBERRY ENGINEERS, INC.
800 NORTH MAGNOLIA AVE., SUITE 1000
ORLANDO, FL 32803
SEAN M. GIBBINS, P.E. NO. 82262

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

ROADWAY PLANS

- 1 KEY SHEET
- 2 SIGNATURE SHEET
- 3 TYPICAL SECTION
- 4 PROJECT CONTROL
- 5 GENERAL NOTES
- 6 - 8 ROADWAY PLANS
- 9 CROSS SECTIONS
- 12 - 14 UTILITY ADJUSTMENTS



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DEWBERRY ENGINEERS, INC.
800 NORTH MAGNOLIA AVE., SUITE 1000
ORLANDO, FL 32803
SCOTT M. BICKAR, P.E. NO. 82643

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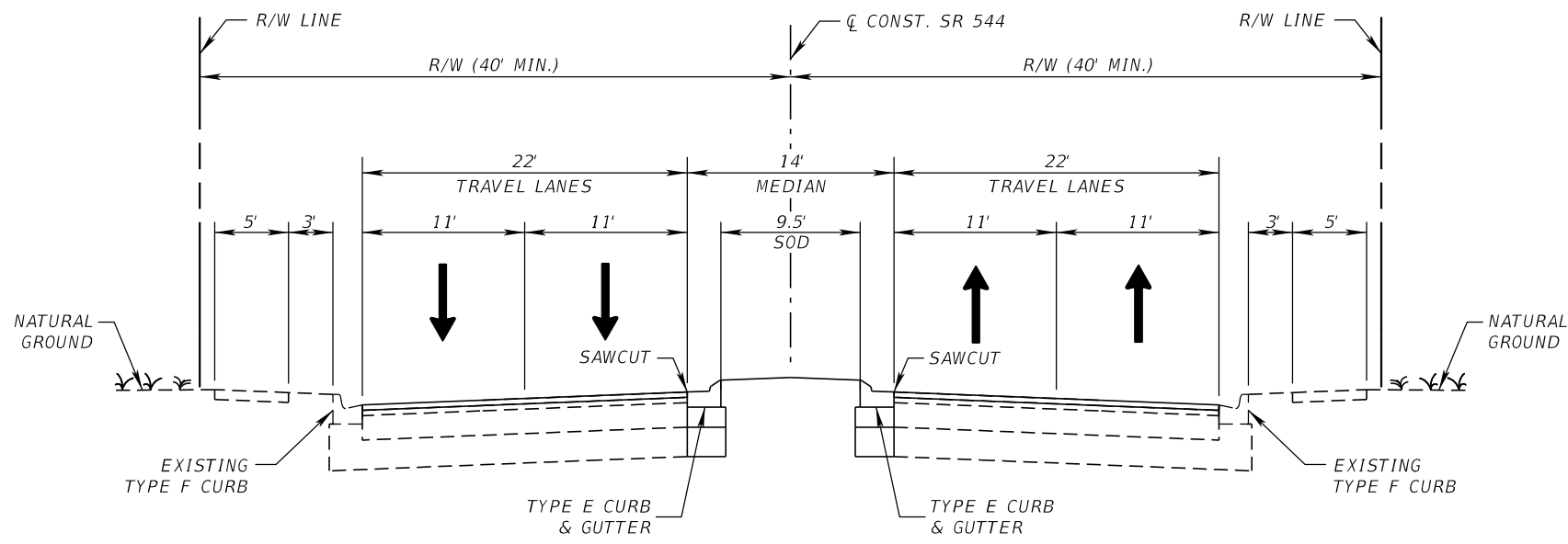
TEMPORARY TRAFFIC CONTROL PLANS

- 2 SIGNATURE SHEET
- 10 - 11 TEMPORARY TRAFFIC CONTROL PLANS

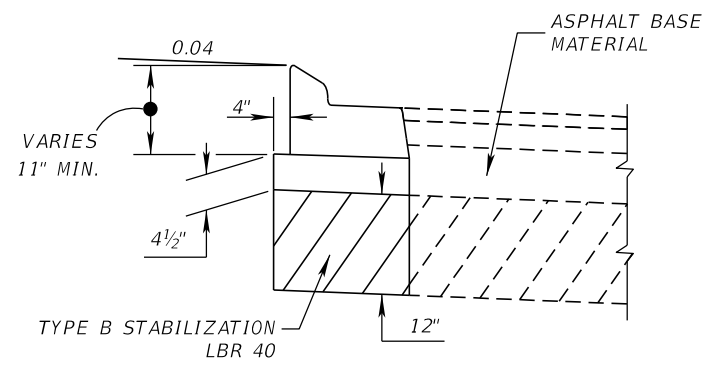
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REVISIONS				ROADWAY	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SEAN M. GIBBINS, P.E. LICENSE NUMBER: 82262 DEWBERRY ENGINEERS, INC. 800 NORTH MAGNOLIA AVE., SUITE 1000 ORLANDO, FL 32803	SR 544	POLK	447877-1-52-01	2

SIGNATURE SHEET

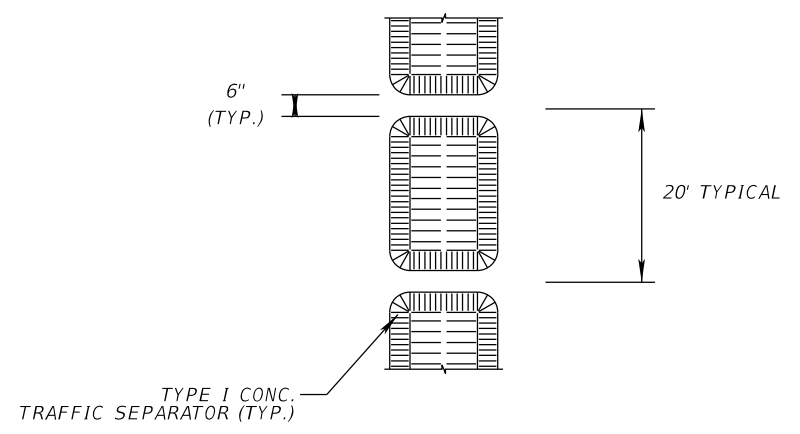


**TYPICAL SECTION
SR 544
STA. 201+92.77 TO STA. 218+48.00**



****CURB PAD DETAIL**

Slot Locations			
Begin Slot Sta.	End Slot Sta.	Slot Separation	# of Slots
208+50.00	210+10.00	20 ft	9
212+51.00	218+31.00	20 ft	30



***TRAFFIC SEPARATOR BREAK DETAIL
SEE ABOVE TABLE**

TRAFFIC DATA

CURRENT YEAR = 2020 AADT = 22,500
 ESTIMATED OPENING YEAR = 2022 AADT = 24,300
 ESTIMATED DESIGN YEAR = 2042 AADT = 42,958
 K = 9.0% D = 53.4% T = 5.8% (24 HOUR)
 DESIGN HOUR T = 2.9%
 DESIGN SPEED = 35 MPH
 POSTED SPEED = 35 MPH

WIDENING

OPTIONAL BASE GROUP 9
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

MILLING
 (STA. 208+00.00 TO STA. 210+71.27,
 STA. 211+92.00 TO STA. 218+48.00)
 MILL EXISTING ASPHALT
 PAVEMENT FOR DEPTH (1 1/2")

RESURFACING
 (STA. 208+00.00 TO STA. 210+71.27,
 STA. 211+92.00 TO STA. 218+48.00)
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

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TYPICAL SECTIONS

GENERAL NOTES

=====

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS TO REMAIN UNLESS OTHERWISE NOTED.
3. REGIONAL TRANSPORTATION MANAGEMENT CENTER:

FDOT DISTRICT 1
 SOUTH WEST INTERAGENCY FACILITY FOR TRANSPORTATION (SWIFT) SUNGUIDE CENTER
 10041 DANIELS PARKWAY
 FORT MYERS, FL 33913

4. 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:

WILLIAM P. HINKLE, P.S.M.
 P.S.M. NO.: 4633
 DEWBERRY ENGINEERS INC.
 800 NORTH MAGNOLIA AVENUE, SUITE 1000
 ORLANDO, FLORIDA 32803

5. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:
 MLK PARADE

6. 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.

7. UTILITY/AGENCY OWNERS:

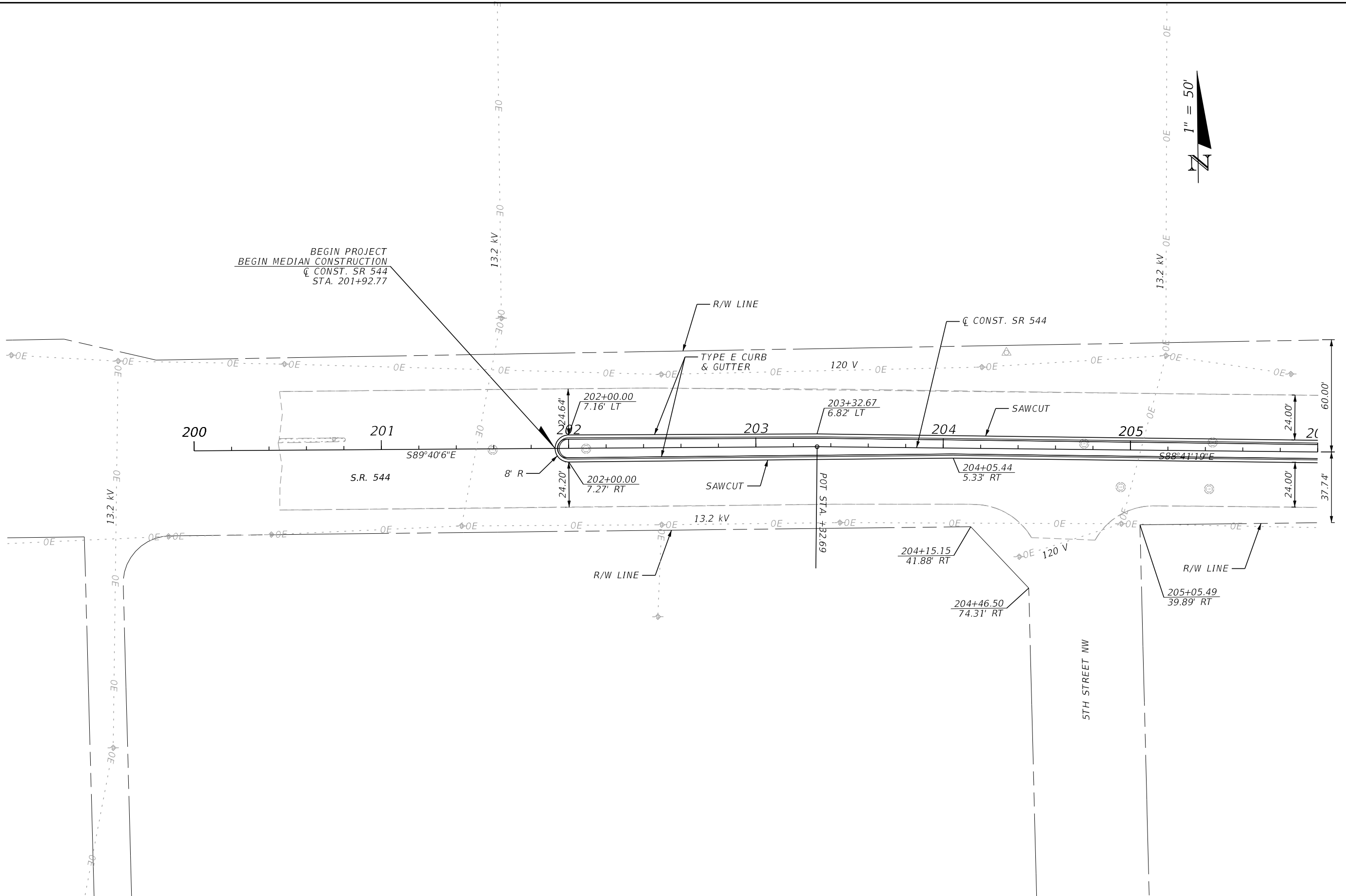
<u>COMPANY</u>	<u>CONTACT</u>	<u>TELEPHONE NUMBERS</u>
AT&T TRANSMISSION	GREG JACOBSON	(813) 342-0512
SPECTRUM SUNSHINE STATE, LLC	DARIN DANIELS	(863) 333-4764
FLORIDA PUBLIC UTILITIES	FOSTER CHATHAM	(863) 292-2933
FRONTIER FLORIDA, LLC	FRED VALDES	(863) 688-9714
CENTURY LINK	KEN LUTZ	(863) 452-3185
TAMPA ELECTRIC COMPANY	HEATHER LOVETT	(813) 275-3433
CITY OF WINTER HAVEN	MARK BOMBARD	(813) 298-5351

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REVISIONS				ROADWAY	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	SEAN M. GIBBINS, P.E. LICENSE NUMBER: 82262 DEWBERRY ENGINEERS, INC. 800 NORTH MAGNOLIA AVE., SUITE 1000 ORLANDO, FL 32803	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		5
					SR 544	POLK	447877-1-52-01		

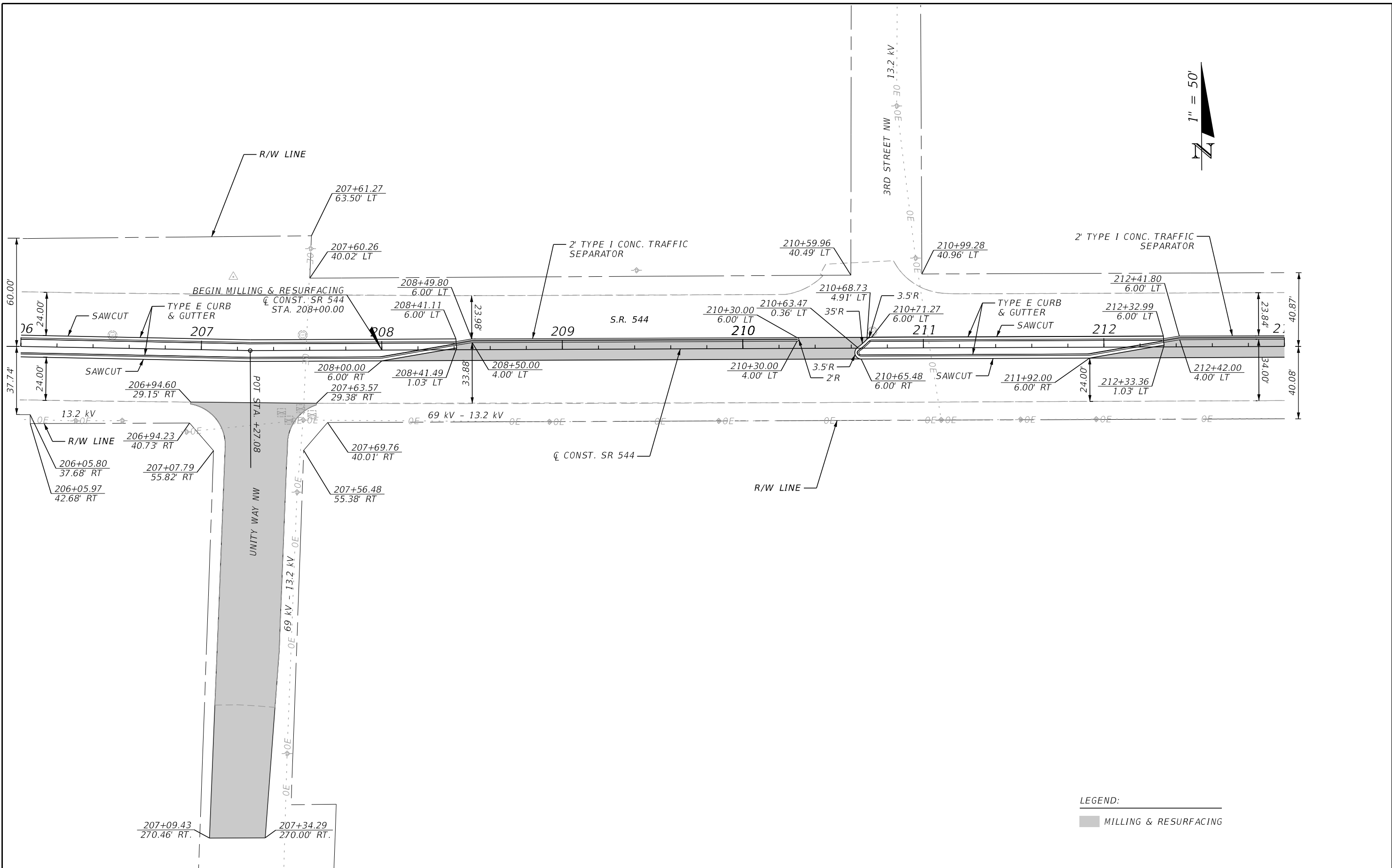
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	SEAN M. GIBBINS LICENSE NUMBER: 82262 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE SUITE 1000 ORLANDO, FL 32803			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		6
							SR 544	POLK COUNTY	44787715201		

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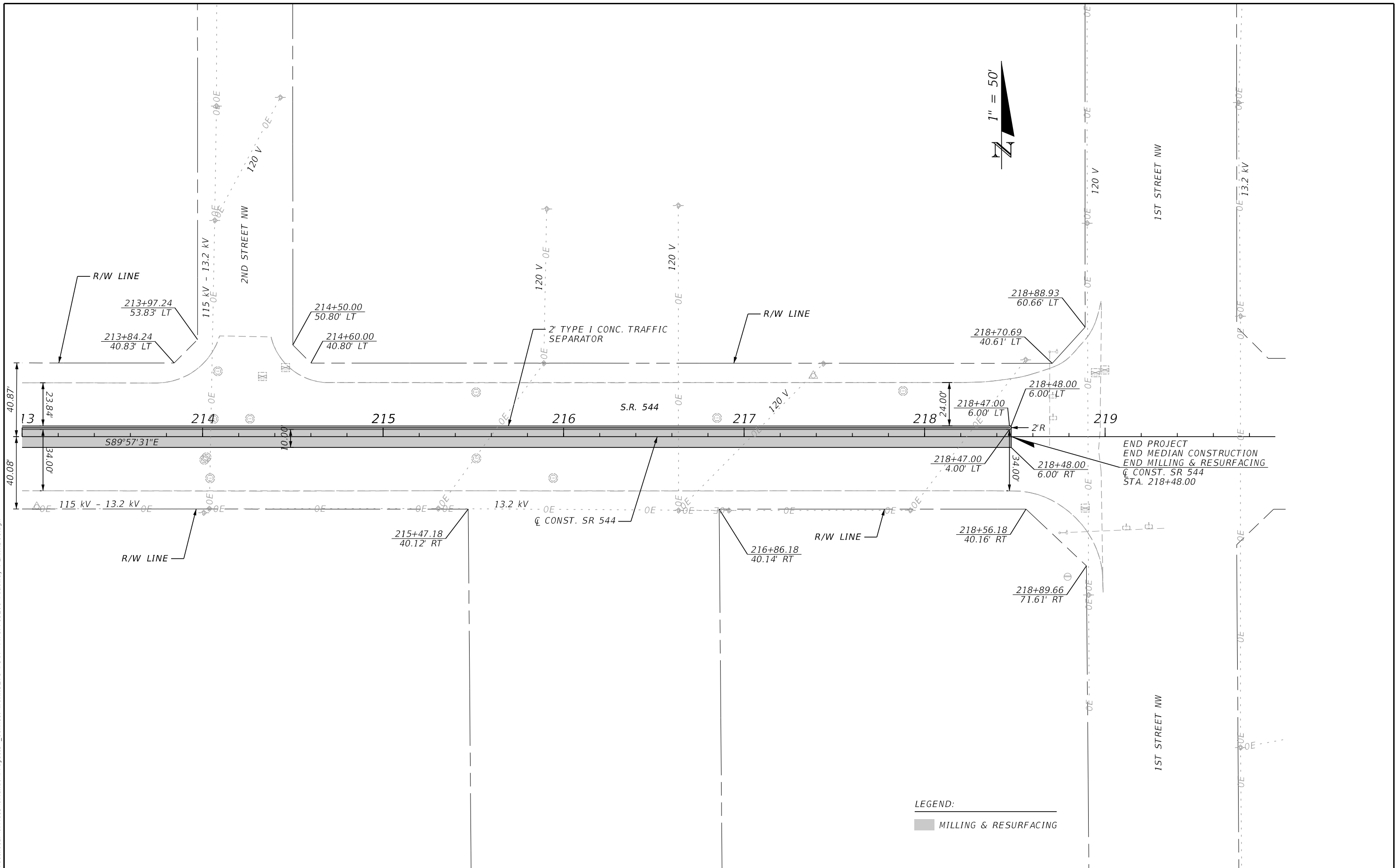
LEGEND:
 ■ MILLING & RESURFACING

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 544	POLK COUNTY	44787715201	7

ROADWAY PLAN (2)

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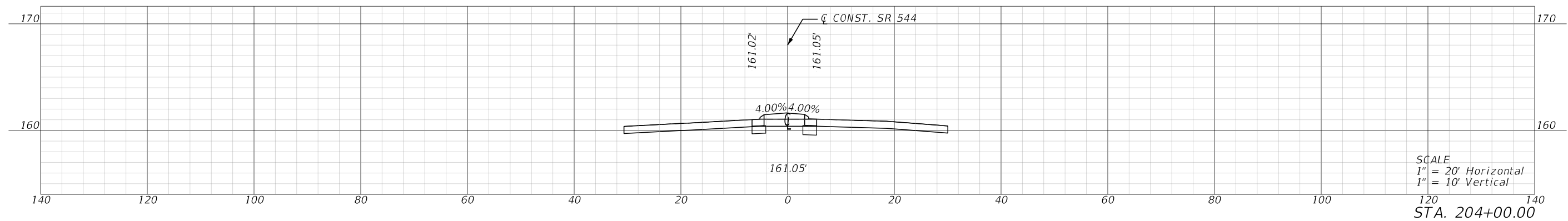
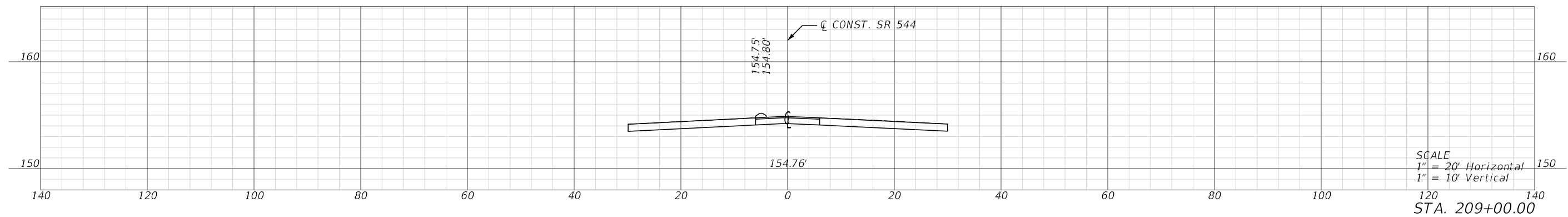
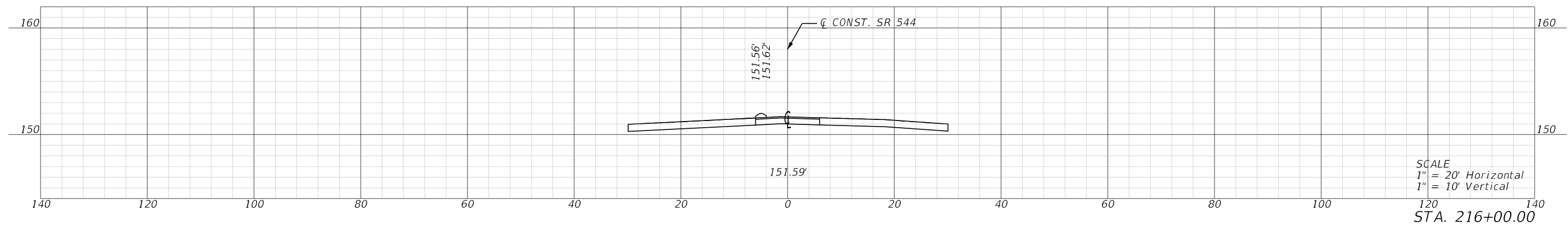
LEGEND:
 ■ MILLING & RESURFACING

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
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						SR 544	POLK COUNTY	44787715201	8

ROADWAY PLAN (3)

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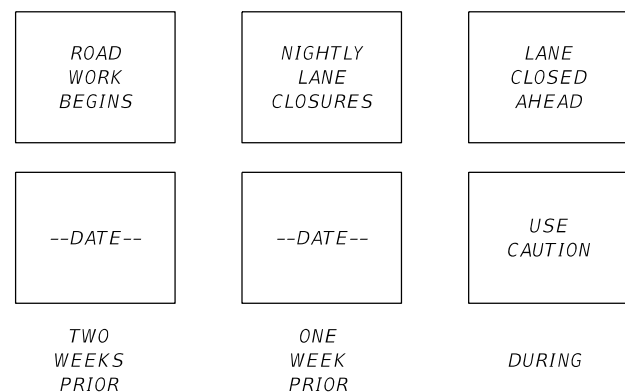
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	SEAN M. GIBBINS LICENSE NUMBER: 82262 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE SUITE 1000 ORLANDO, FL 32803		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		9
								SR 544		POLK COUNTY

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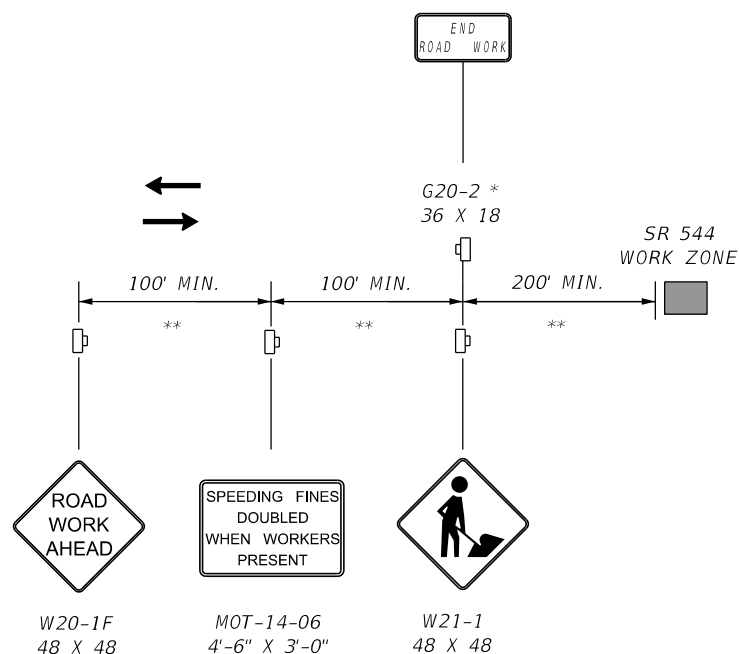
GENERAL NOTES

1. WEEKDAY AND WEEKEND SINGLE LANE CLOSURES ARE PROHIBITED BETWEEN 6:00 AM TO 10:00 PM WITHIN 600 FT OF A SIGNAL ALONG SR 544.
2. NO LANE CLOSURE RESTRICTIONS BEYOND 600 FT FROM A SIGNAL ALONG SR 544.
3. THE REGULATORY SPEED LIMIT THROUGH THE WORK ZONE IN THIS PROJECT SHALL BE MAINTAINED AT 35 MPH.
4. NOTIFY CITRUS CONNECTION (LAMTD) FOURTEEN (14) BUSINESS DAYS PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF AN EXISTING TRANSIT STOP OR ROUTE (JAMES PHILLIPS, 813 836 0655). MAINTAIN ADA-COMPLIANT ACCESS TO ALL EXISTING TRANSIT STOPS DURING CONSTRUCTION. COORDINATE TRANSIT STOP ADJUSTMENTS OR ALTERNATE LOCATIONS WITH LAMTD PRIOR TO PERFORMING WORK.

PCMS MESSAGES



SIDE STREET ADVANCED SIGNING DETAIL



APPLICABLE SIDE STREETS:

- 6TH STREET
- 5TH STREET
- UNITY WAY
- 3RD STREET
- 2ND STREET
- 1ST STREET

** ADJUST SPACING AS NECESSARY TO SUIT FIELD CONDITIONS AND POSTED SPEED LIMITS

*** SIDE STREET ADVANCED SIGNING TO BE USED DURING NIGHTLY CONSTRUCTION

TRAFFIC CONTROL GENERAL NOTES & DETAILS

REVISIONS				ROADWAY	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	SCOTT M. BICKAR, P.E. LICENSE NUMBER: 82643 DEWBERRY ENGINEERS, INC. 800 NORTH MAGNOLIA AVE., SUITE 1000 ORLANDO, FL 32803	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		10
					SR 544	POLK	447877-1-52-01		

PHASE NOTES:

PHASE I-A (NOT SHOWN)

SETUP ADVANCED WARNING SIGNS AND TRAFFIC CONTROL DEVICES PER THE APPLICABLE STANDARD PLANS

INSTALL EROSION CONTROL THROUGHOUT THE PROJECT LIMITS

BEGIN UTILITY ADJUSTMENTS

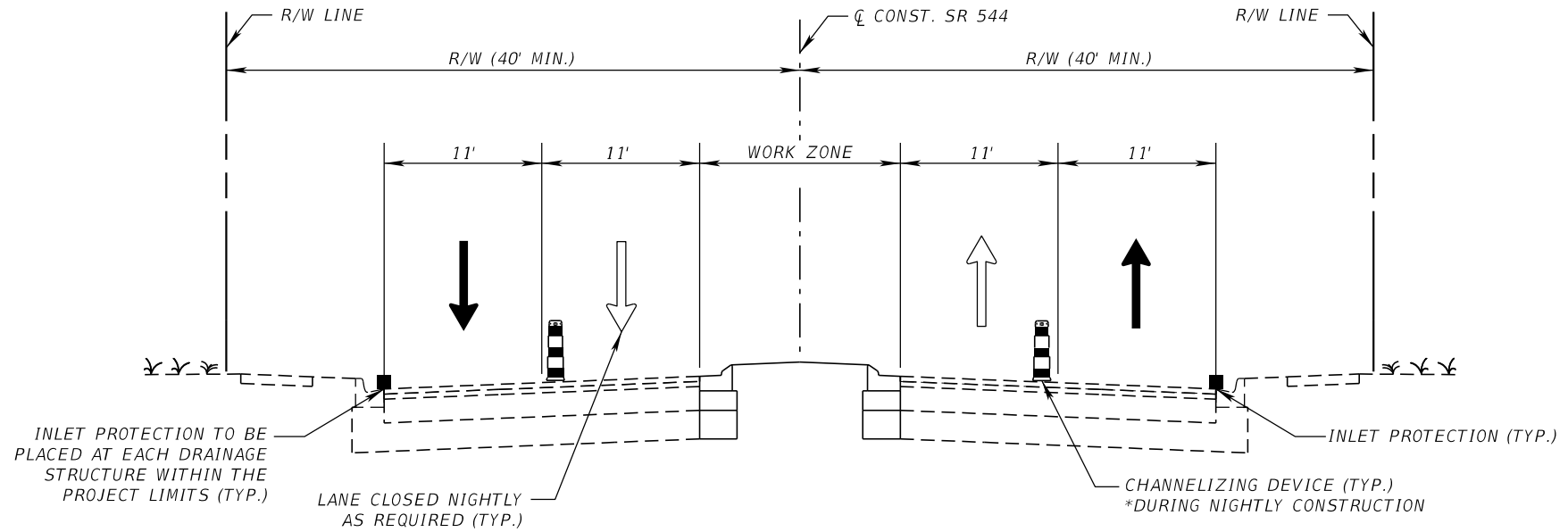
PHASE I

UTILIZE NIGHTLY LANE CLOSURES PER THE APPLICABLE STANDARD PLANS AND THE PHASE I TYPICAL SECTION SHOWN TO CONSTRUCT THE PROPOSED MEDIAN ALONG SR 544

PHASE II (NOT SHOWN)

UTILIZE NIGHTLY LANE CLOSURES PER THE APPLICABLE STANDARD PLANS AS NECESSARY TO MILL AND RESURFACE SR 544

AT THE END OF PHASE II, ALL CONSTRUCTION ACTIVITY SHALL BE COMPLETED



TRAFFIC CONTROL PHASE I TYPICAL SECTION
SR 544
STA. 201+90.00 TO STA. 218+50.00

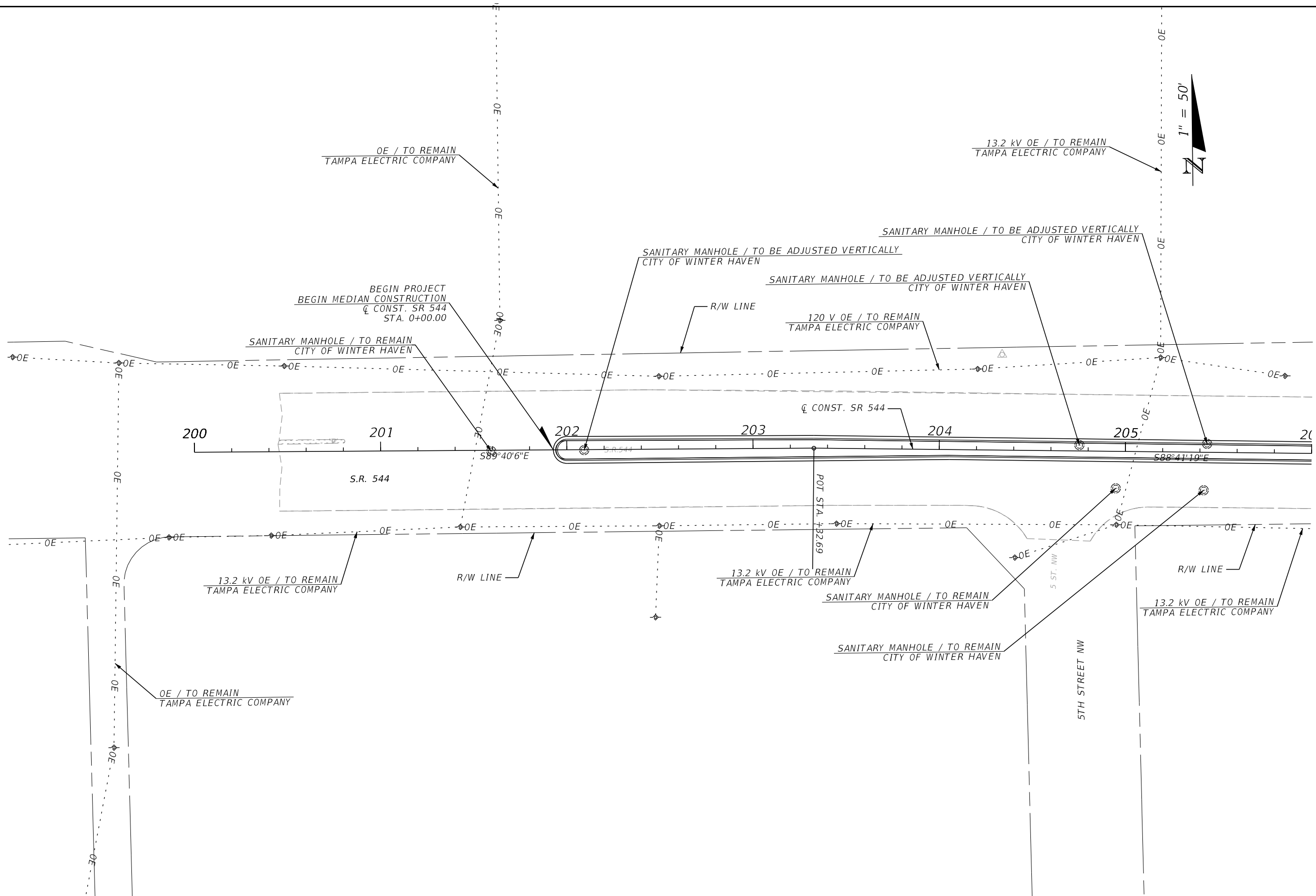
TRAFFIC CONTROL TYPICAL SECTIONS

TEMPORARY TRAFFIC CONTROL PLANS

REVISIONS		ROADWAY		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 544	POLK	447877-1-52-01	11

SCOTT M. BICKAR, P.E.
LICENSE NUMBER: 82643
DEWBERRY ENGINEERS, INC.
800 NORTH MAGNOLIA AVE., SUITE 1000
ORLANDO, FL 32803

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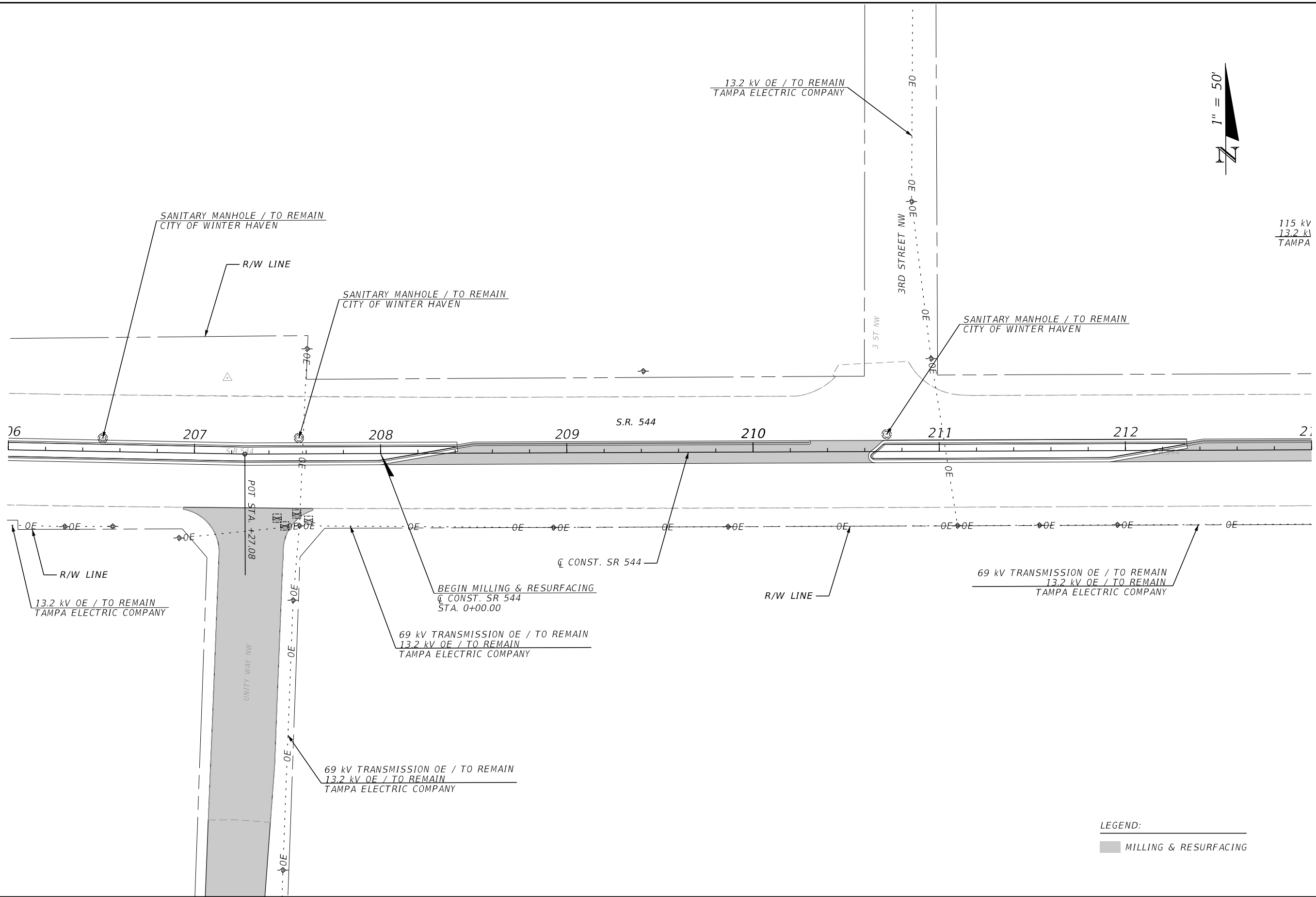


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						SR 544	POLK COUNTY	44787715201	12

UTILITY ADJUSTMENTS (1)

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LEGEND:
 MILLING & RESURFACING

DATE		DESCRIPTION		REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	SEAN M. GIBBINS LICENSE NUMBER: 82262 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE SUITE 1000 ORLANDO, FL 32803	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	13	
							SR 544	POLK COUNTY	44787715201		UTILITY ADJUSTMENTS (2)

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