

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
STRUCTURES PLANS

LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS

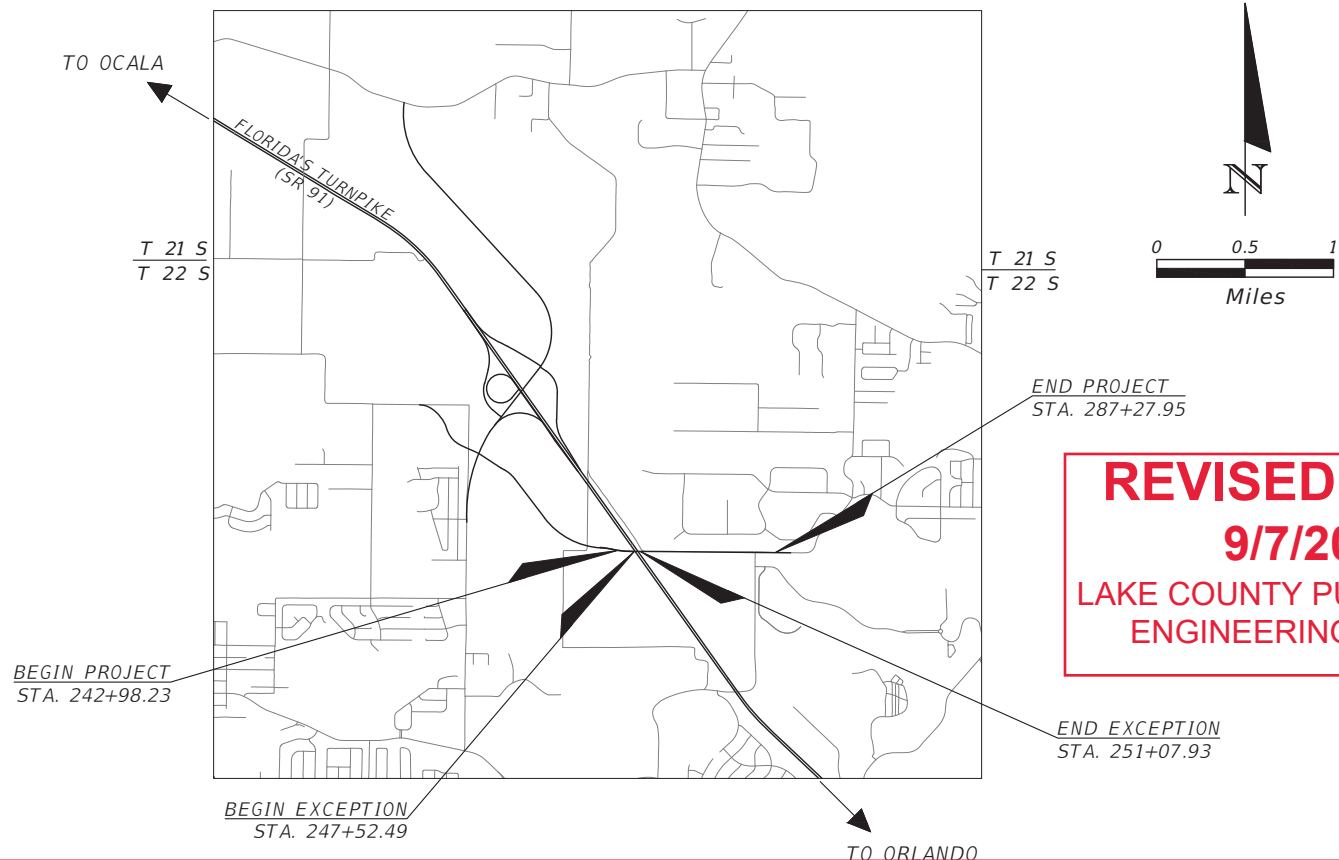
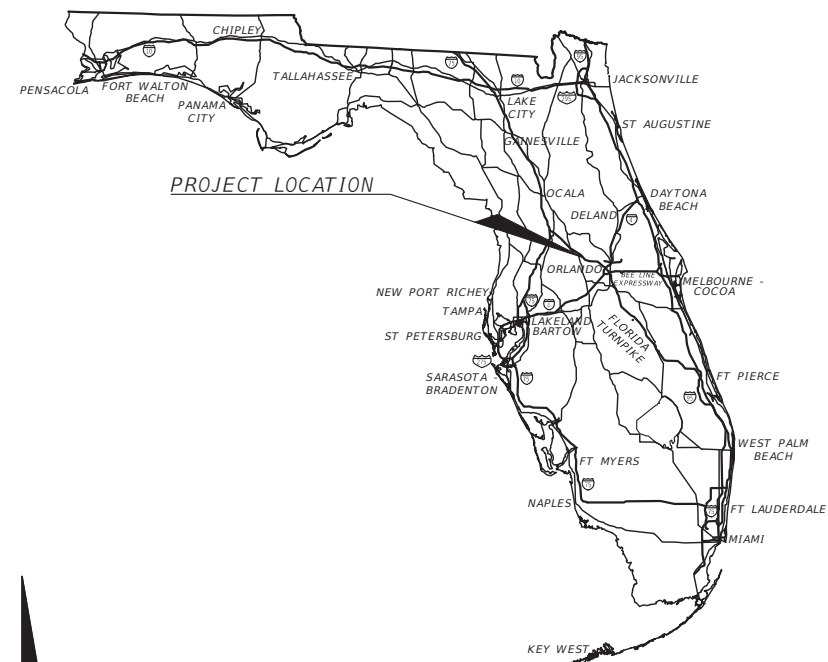
CONTRACT PLANS

RSQ NO. 19-0910

CITRUS GROVE ROAD
DESIGN PHASE V
FROM WEST SR 91 TO BLACKSTILL LAKE
ROAD

INDEX OF ROADWAY PLANS

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U-1 -U-7	UTILITY ADJUSTMENT SHEET



REVISED PLANS
9/7/2023
LAKE COUNTY PUBLIC WORKS
ENGINEERING DIVISION

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:
JOHN R. BURKETT, P.E. NO. 40064
DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FL 32814

PLANS PREPARED BY:
DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FL 32814

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

ROADWAY PLANS
ENGINEER OF RECORD:
JOHN R. BURKETT, P.E. NO. 40064
DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FL 32814
(407) 896-0594

LAKE COUNTY DEPT. OF PUBLIC WORKS
PROJECT MANAGER:
OSVALDO NUNEZ

- Revisions Notes for Contractor:**
1. Pond WRA-3 Will not be built with this roadway plan since it has been built with subdivision development.
 2. Turnout for Pond WRA-3 at STA. 278+00 RT will not be built. Contractor to follow Typical Section for Trail and adjust in the field as necessary.
 3. Pond WRA-3 when built has a bottom of 115' elevation (vs. 112' from this plan design), therefore structures S-28 & s-30 inverts have been revised. See Sheet No. 33 - Drainage Structures Tabulation.
 4. There is an existing (built) masonry perimeter wall, in which the subdivision developer will remove and replace wall panel where 24" stormwater pipe from S-28 to S-30 will be located. Coordination from Contractor with subdivision developer will be required.
 5. Contractor shall field adjust the 24" stormwater pipe to avoid existing wall footings.

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2020-2021 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.shtm>

APPLICABLE IRs: n/a

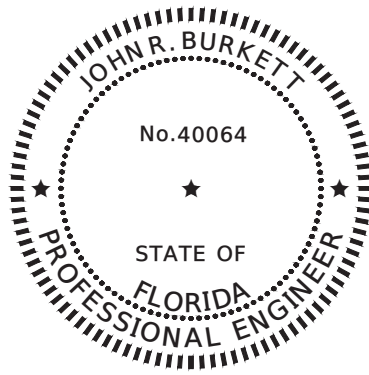
Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July 2020 Standard Specifications for Road and Bridge Construction at the following website:

<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

SHEET NO.
1

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John R Burkett
2022.04.08 14:37:24-04'00'

ON THE DATE ADJACENT TO THE SEAL

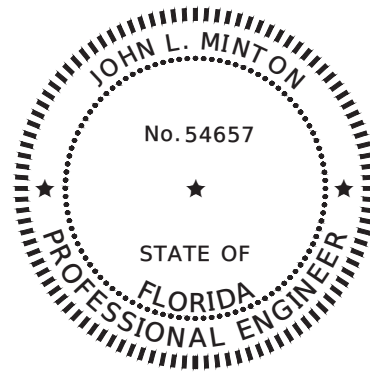
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DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FL 32814
John Burkett, PE. No 40064

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

ROADWAY PLAN INDEX

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23 - 31	ROADWAY PROFILES
32	INTERSECTION DETAIL
32A	INTERSECTION GRADING
36 - 37	SPECIAL DETAILS
44 - 71	CROSS SECTIONS
72-73	MAINTENANCE OF TRAFFIC



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

John L Minton
2022.04.08 13:45:59-04'00'

ON THE DATE ADJACENT TO THE SEAL

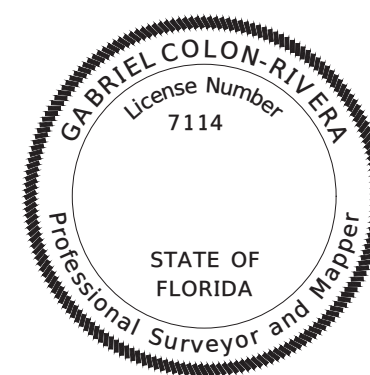
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DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FL 32814
JOHN L. MINTON, P.E. NO. 54657

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ROADWAY PLAN INDEX

SHEET NO.	SHEET DESCRIPTION
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33	DRAINAGE STRUCTURE TABULATION
34 - 35	POND DETAILS
74-75	STORMWATER POLLUTION PREVENTION PLAN



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Date:
Gabriel Colon Rivera 2022.04.08
09:55:27-04'00'

ON THE DATE ADJACENT TO THE SEAL

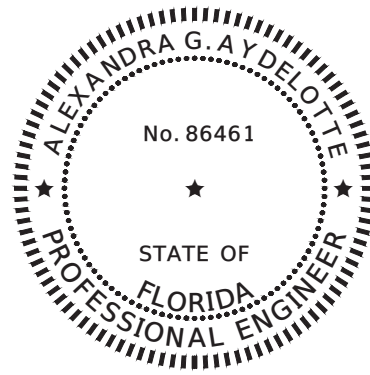
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DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FL 32814
GABRIEL COLON-RIVERA, P.S.M. NO. 7114

THE ABOVE NAMED REGISTERED LAND SURVEYOR SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C

ROADWAY PLAN INDEX

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
13	PROJECT CONTROL



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Alexandra 2022.04.08
G Aydelotte 09:35:35
-04'00'

ON THE DATE ADJACENT TO THE SEAL

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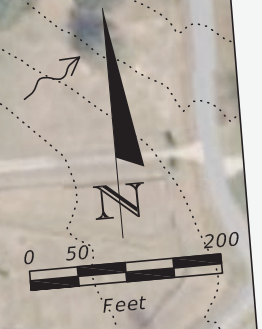
ARDAMAN & ASSOCIATES, INC.
8008 S. ORANGE AVENUE
ORLANDO, FL 32809
ALEXANDRA G. AYDELOTTE, P.E. NO. 86461

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

ROADWAY PLAN INDEX

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
38	SOIL SURVEY SHEET
39 - 43	BORING PROFILES

REVISIONS	DATE	DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	LAKE COUNTY, FL <small>REAL FLORIDA - REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		SIGNATURE SHEET	SHEET NO. 2
				ROAD	R50 NO.		



MATCHLINE STA. 262+16.01

DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES

REVISIONS	DATE
###	###

DRMP
ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
REAL FLORIDA - REAL CLOSE

LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION

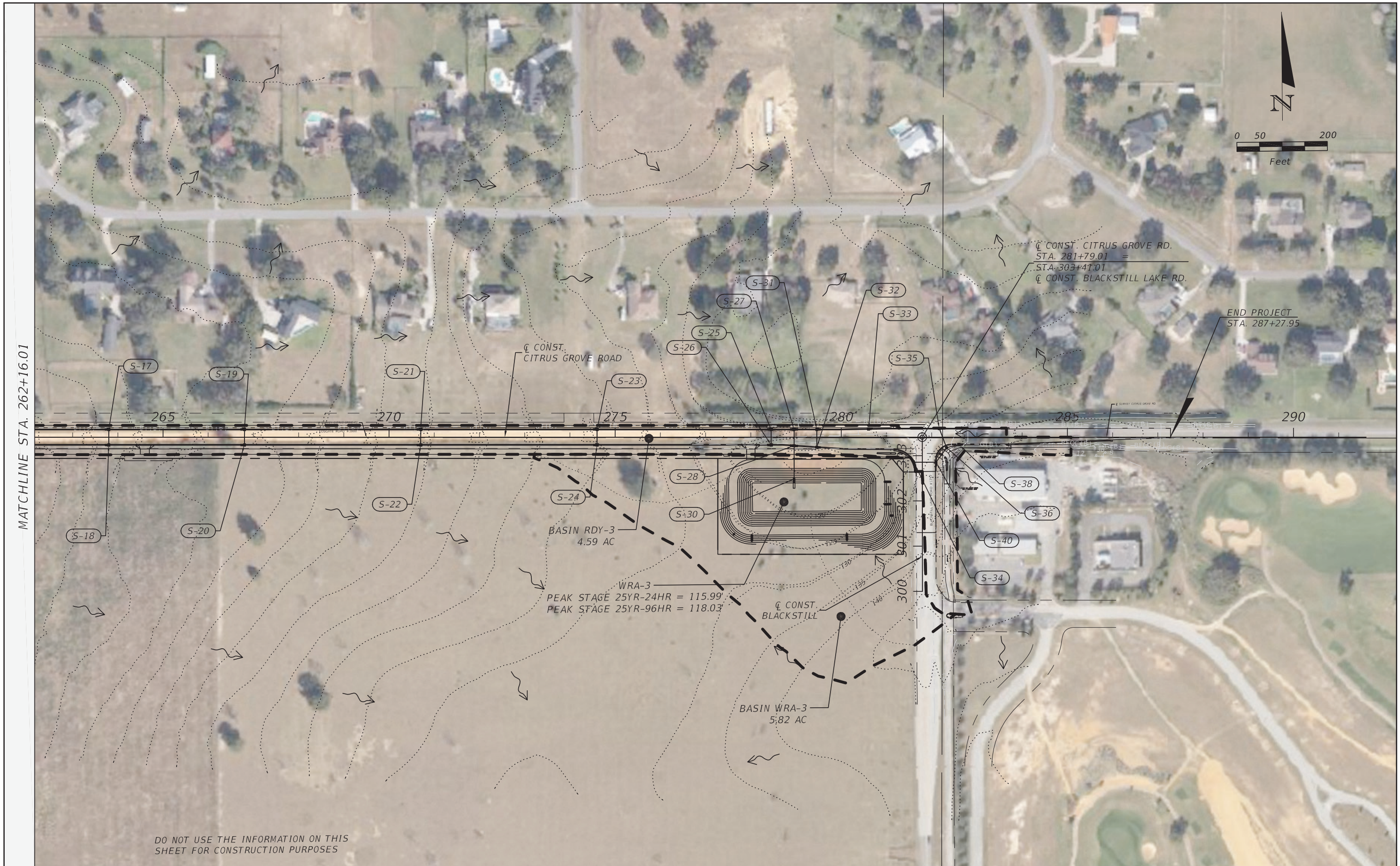
ROAD	RSO NO.
CITRUS GROVE ROAD	19-0910

JOHN L. MINTON, P.E. LICENSE NO. 54657
 DATE:



DRAINAGE MAP (1)

SHEET NO.
3

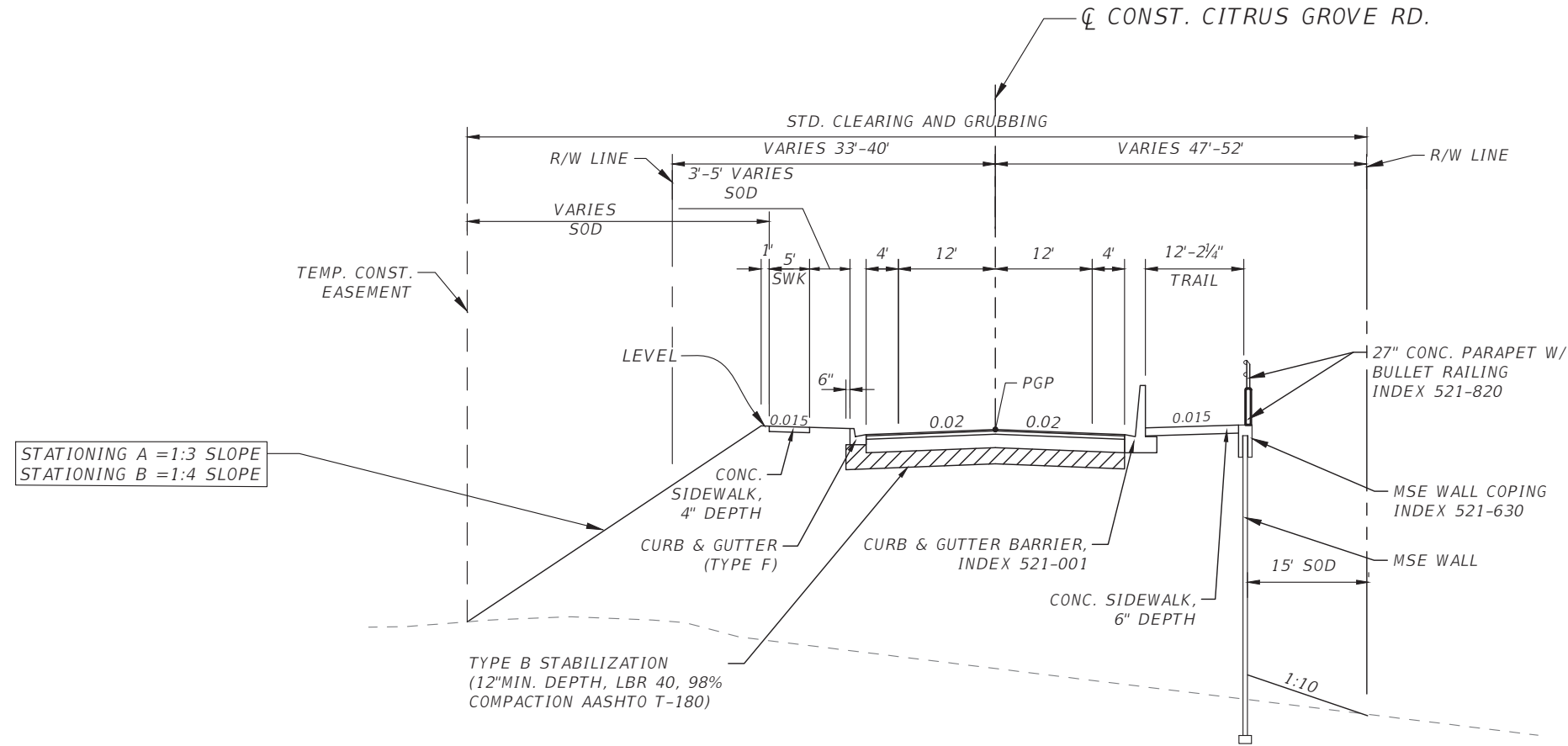
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REVISIONS		DATE		 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA - REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION				DRAINAGE MAP (2)	SHEET NO.
###		###				ROAD	RSQ NO.	JOHN L. MINTON, P.E. LICENSE NO. 54657 DATE:			4
						CITRUS GROVE ROAD	19-0910				

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STATIONING A = 1:3 SLOPE
STATIONING B = 1:4 SLOPE

TYPE B STABILIZATION
(12" MIN. DEPTH, LBR 40, 98%
COMPACTION AASHTO T-180)

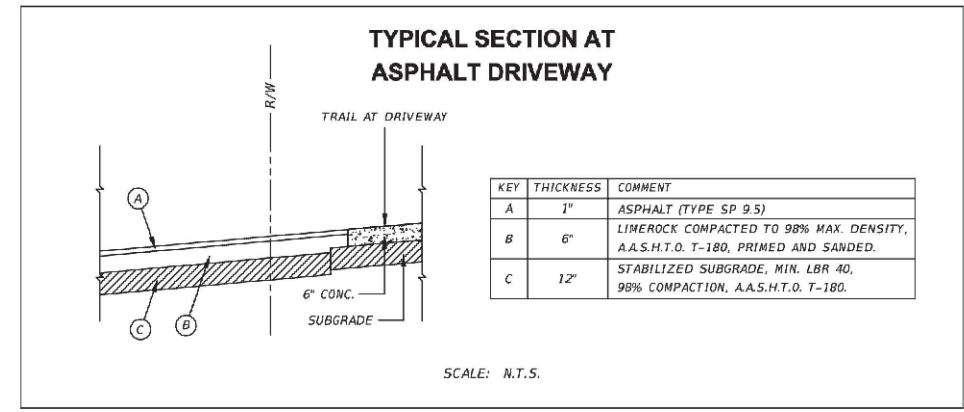
TYPICAL SECTION (1)
CITRUS GROVE ROAD
A. STA. 242+98.23 TO STA. 247+52.49-5' SOD
B. STA. 251+07.93 TO STA. 254+60.00-3' SOD

NEW CONSTRUCTION

2 LIFTS, 98% COMPACTION EACH LIFT, AASHTO T-180, PRIMED AND SANDED
OPTIONAL BASE GROUP 9 (10", LIMEROCK), WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

NOTES:
1) SOD ALL DISTURBED AREAS IN LAKE COUNTY RIGHT OF WAY
AND TCE.

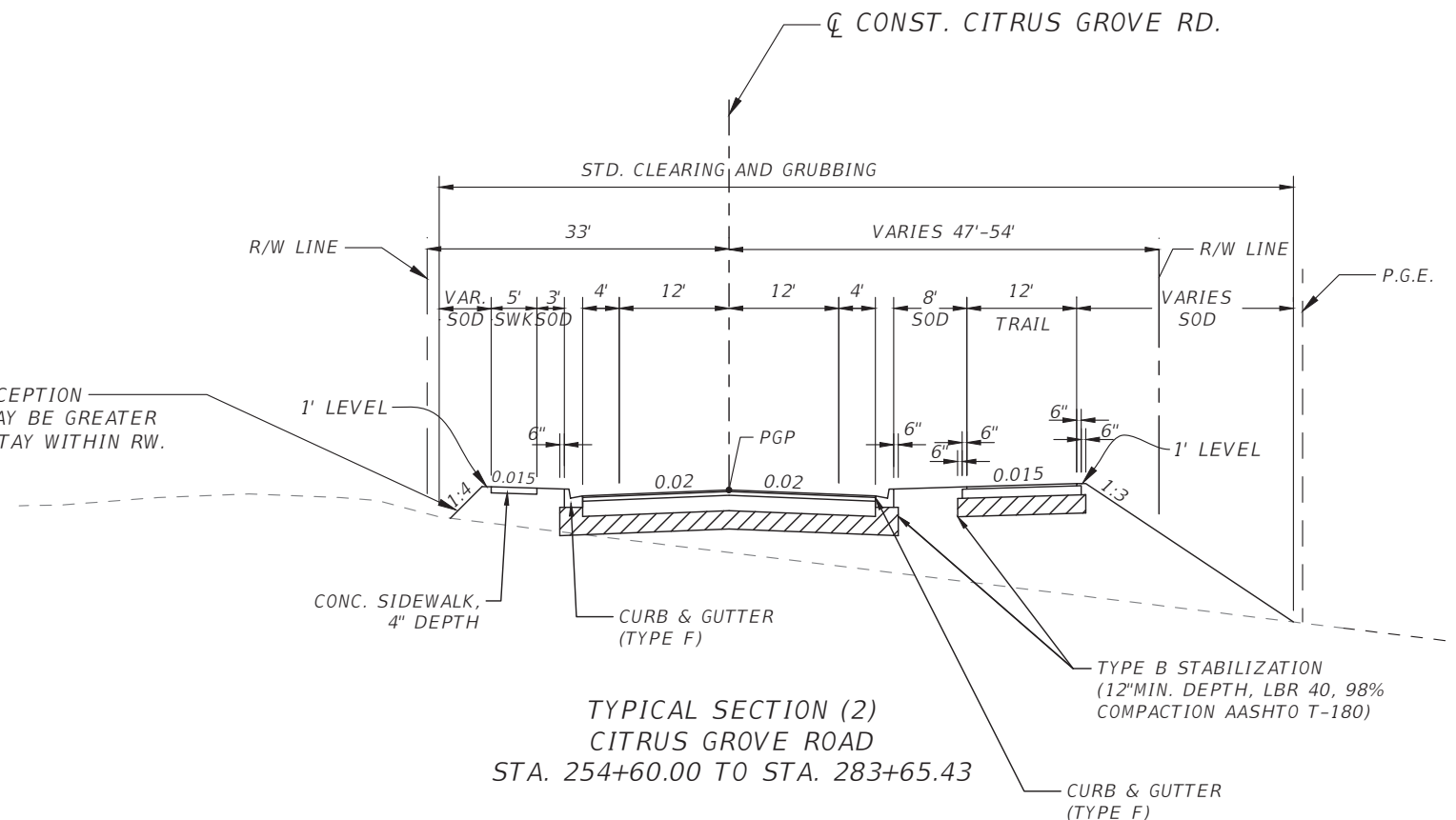
DESIGN SPEED = 40 MPH



REVISIONS	DATE	<p>DRMP ENGINEERS SURVEYORS PLANNERS SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836</p>	<p>LAKE COUNTY, FL REAL FLORIDA REAL CLOSE</p>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		<p>TYPICAL SECTION</p>	SHEET NO.
				ROAD	RSQ NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064
				CITRUS GROVE ROAD	19-0910	DATE:	

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1:4 SLOPE WHERE RW ALLOWS, 1:3 MAX., WITH EXCEPTION ON STA: 258+50 TO STA: 259+50 WHERE SLOPE MAY BE GREATER THAN 1:3 BUT NOT MORE THAN 1:2.75 SLOPE TO STAY WITHIN RW.



**TYPICAL SECTION (2)
CITRUS GROVE ROAD
STA. 254+60.00 TO STA. 283+65.43**

NEW CONSTRUCTION



2 LIFTS, 98% COMPACTION EACH LIFT, AASHTO T-180, PRIMED AND SANDED
OPTIONAL BASE GROUP 9 (10", LIMEROCK), WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

MULTI-USE TRAIL

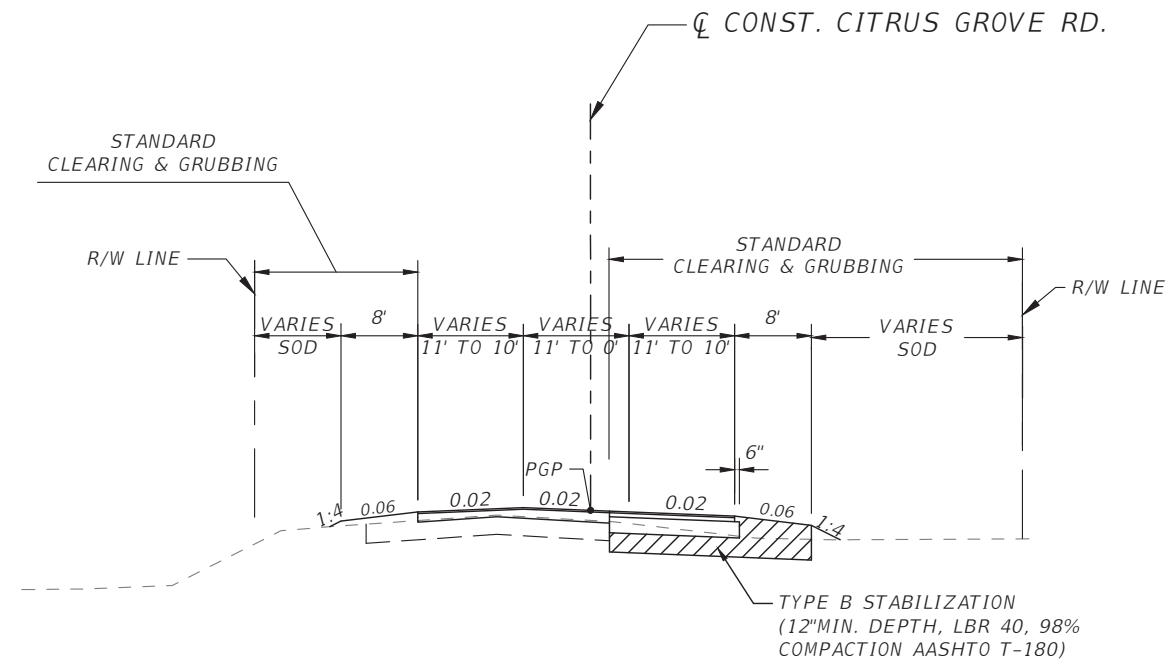
98% COMPACTION, AASHTO T-180, PRIMED AND SANDED
OPTIONAL BASE GROUP 4 (6", LIMEROCK)*, WITH
TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC A) (1 1/2")

- NOTES:
1) SOD ALL DISTURBED AREAS IN LAKE COUNTY RIGHT OF WAY AND TCE.

DESIGN SPEED = 40 MPH

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		TYPICAL SECTION	SHEET NO.	
				ROAD	RSQ NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064 DATE:	6
				CITRUS GROVE ROAD	19-0910			

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TYPICAL SECTION (3)
CITRUS GROVE ROAD
STA. 283+65.43 TO STA. 287+27.95

NEW CONSTRUCTION



2 LIFTS, 98% COMPACTION EACH LIFT, AASHTO T-180, PRIMED AND SANDED
OPTIONAL BASE GROUP 9 (10", LIMEROCK)*, WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

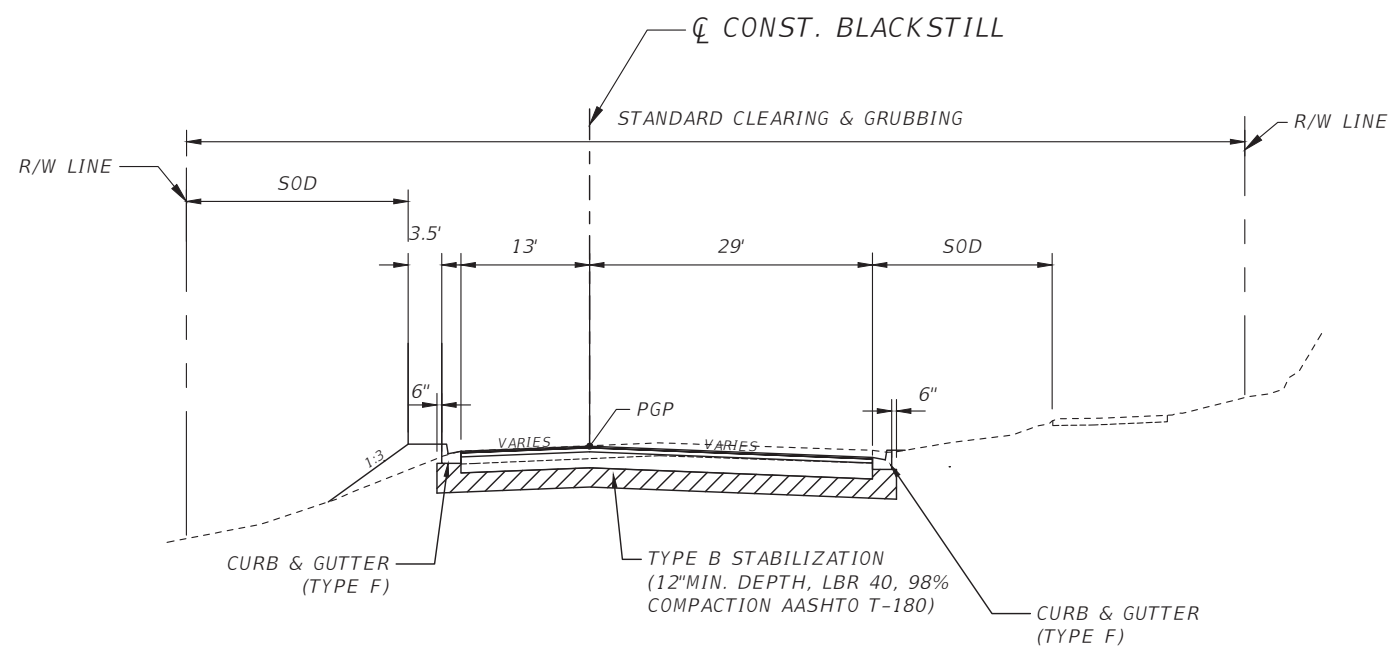
MILLING AND RESURFACING

MILL EXISTING ASPHALT FOR DEPTH (1" MIN.), WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2" MIN.)
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

NOTES:
1) SOD ALL DISTURBED AREAS IN LAKE COUNTY RIGHT OF WAY
AND TCE.

DESIGN SPEED = 40 MPH

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		TYPICAL SECTION	SHEET NO.
				ROAD	RSQ NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064
				CITRUS GROVE ROAD	19-0910	DATE:	



TYPICAL SECTION (4)
BLACKSTILL LAKE ROAD
STA. 302+65.14 TO STA. 303+26.01

NEW CONSTRUCTION

2 LIFTS, 98% COMPACTION EACH LIFT, AASHTO T-180, PRIMED AND SANDED
OPTIONAL BASE GROUP 9 (10", LIMEROCK)*, WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 1/2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

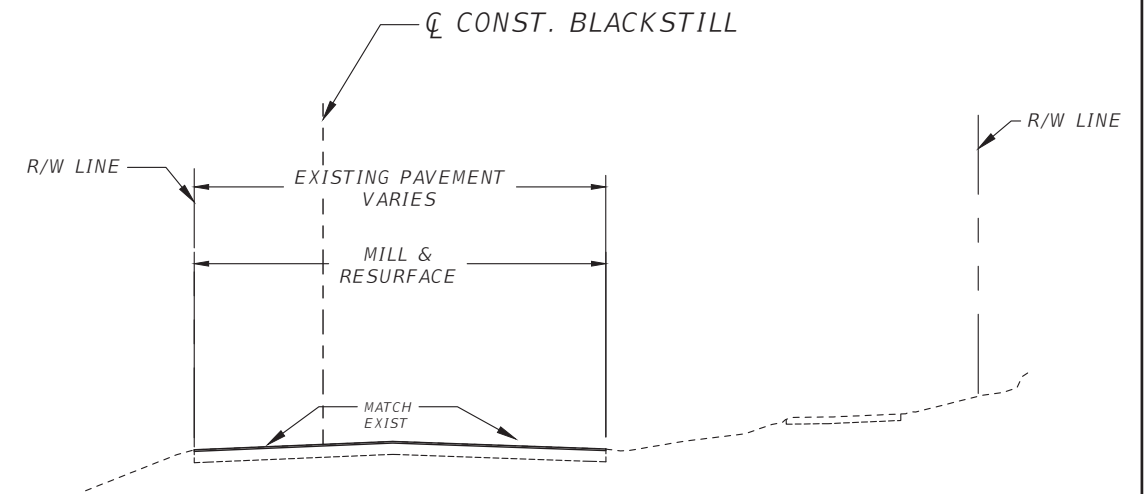
MULTI-USE TRAIL

OPTIONAL BASE GROUP 4 (6", LIMEROCK)* 98% COMPACTION,
AASHTO T-180, PRIMED AND SANDED) WITH
TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC A) (1 1/2")

NOTES:

- 1) SOD ALL DISTURBED AREAS IN LAKE COUNTY RIGHT OF WAY AND TCE.

DESIGN SPEED = 40 MPH



TYPICAL SECTION (5)
BLACKSTILL LAKE ROAD
STA. 301+30.00 TO STA. 302+65.14



MILLING

MILL EXISTING PAVEMENT (1" MIN.)

RESURFACING



FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

DESIGN SPEED = 40 MPH

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		TYPICAL SECTION	SHEET NO.
				ROAD	RSQ NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064
				CITRUS GROVE ROAD	19-0910	DATE:	

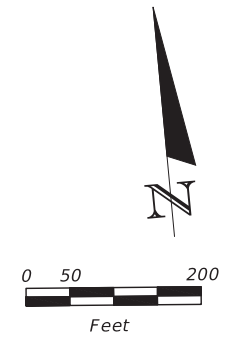
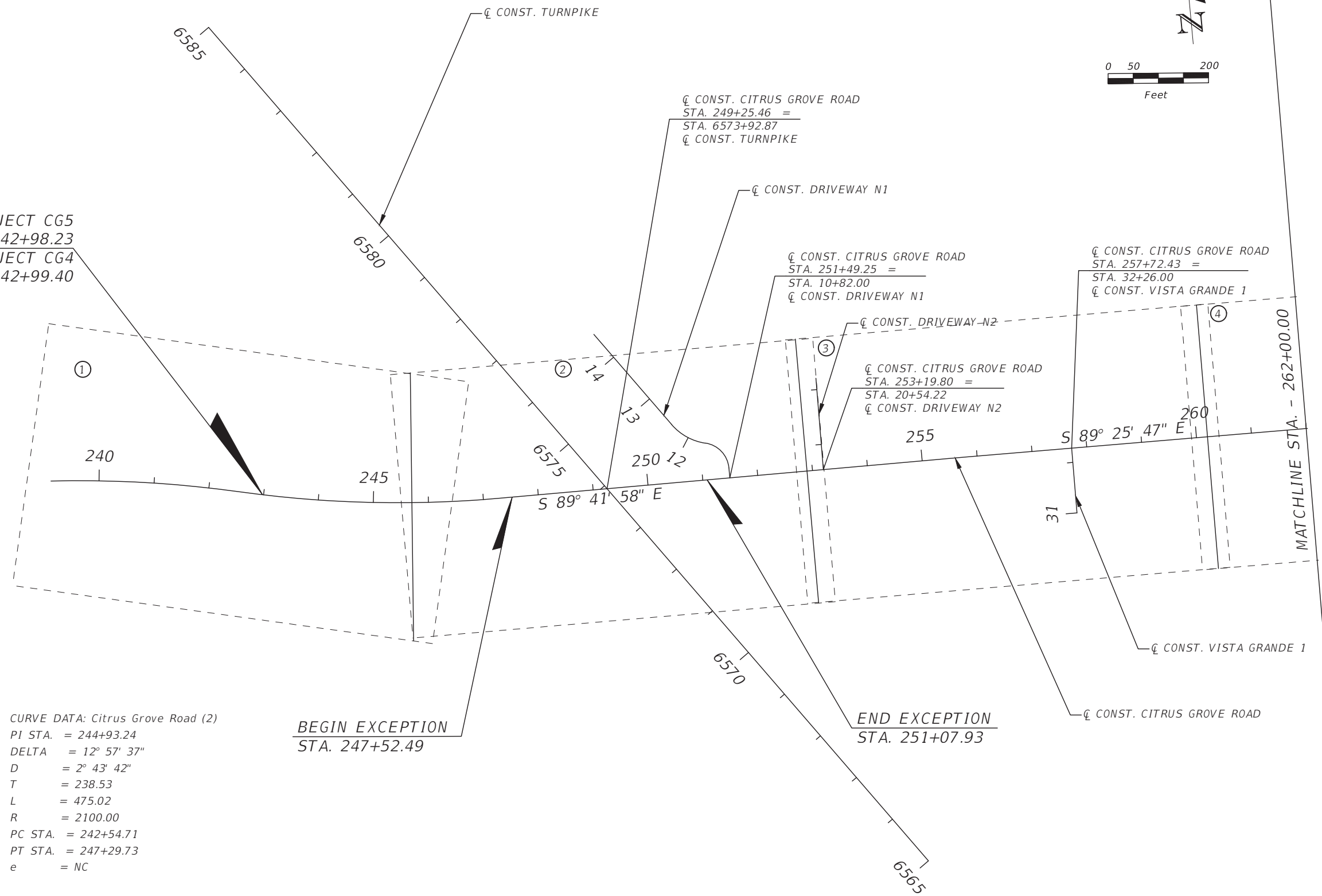
SUMMARY OF DRAINAGE STRUCTURES

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	RCP CLASS III STORM DRAIN		WALL ZONE PIPE	CURB INLETS				MANHOLES	ADJACENT BARRIER INLET	CURB & GUTTER BARRIER INLET	DITCH BOTTOM INLETS		CROSS DRAIN MITERED END SECTION	U-TYPE CONCRETE ENDWALL W/ BAFFLES			RUBBLE RIPRAP	REMARKS		
						ROUND			P-5	P-5	P-6	P-6				P-8	ABI		C	D	18"			18"	24"
						18"	24"		18"	<10'	>10'	<10'				>10'	<10'		<10'	<10'	<10'			1:4	1:4
P	S-1	244+40.00	LT.	Inlet, Pipe	1	127																			
F	S-2	244+40.00	RT.	Inlet, Pipe	1	32								1											
P	S-3	247+16.70	LT.	Inlet, Pipe	1			271					1										Wall Zone A		
F	S-4	247+16.70	RT.	Inlet, Pipe	1	31							1												
P	S-6	253+10.93	RT.	U-Type EW															1			2.5			
F	S-8	253+10.93	RT.	Manhole, Pipe	1	48						1													
P	S-9	253+90.50	LT.	Inlet, Pipe	1	32						1													
F	S-10	253+90.50	RT.	Inlet, Pipe	1			22						1									Wall Zone B		
P	S-11	254+41.60	LT.	Inlet, Pipe	1	48																			
F	S-12	254+41.60	RT.	Inlet, Pipe	1	32																			
P	S-13	254+92.50	LT.	Inlet, Pipe	1	48						1													
F	S-14	254+92.50	RT.	Inlet, Pipe	1	33						1													
P	S-15	260+80.00	LT.	Inlet, Pipe	1	297						1													
F	S-16	260+80.00	RT.	Inlet, Pipe	1	32						1													
P	S-17	263+80.00	LT.	Inlet, Pipe	1	297						1													
F	S-18	263+80.00	RT.	Inlet, Pipe	1	32						1													
P	S-19	266+80.00	LT.	Inlet, Pipe	1		387					1													
F	S-20	266+80.00	RT.	Inlet, Pipe	1	32						1													
P	S-21	270+70.00	LT.	Inlet, Pipe	1		387																		
F	S-22	270+70.00	RT.	Inlet, Pipe	1	32						1													
P	S-23	274+60.00	LT.	Inlet, Pipe	1		382																		
F	S-24	274+60.00	RT.	Inlet, Pipe	1	32						1													
P	S-25	278+45.00	LT.	Inlet, Pipe	1		48					1													
F	S-26	278+45.00	RT.	Inlet, Pipe	1	32						1													
P	S-27	278+95.51	LT.	Inlet, Pipe	1		33																		
F	S-28	278+95.51	RT.	Inlet, Pipe	1		72																		
P	S-30	278+95.51	RT.	U-Type EW																		1	3.8		
F	PLAN QUANTITY					1217	1309	293	14	2	3	0	1	2	3	0	0	0	1	1	6.3				
	FINAL QUANTITY																								

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION ROAD	RSO NO. 19-0910	JOHN L. MINTON, P.E. LICENSE NO. 54657 DATE:	SUMMARY OF DRAINAGE STRUCTURES (1)	SHEET NO. 9		

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BEGIN PROJECT CG5
 STA. 242+98.23
 END PROJECT CG4
 STA. 242+99.40





CURVE DATA: Citrus Grove Road (2)
 PI STA. = 244+93.24
 DELTA = 12° 57' 37"
 D = 2° 43' 42"
 T = 238.53
 L = 475.02
 R = 2100.00
 PC STA. = 242+54.71
 PT STA. = 247+29.73
 e = NC

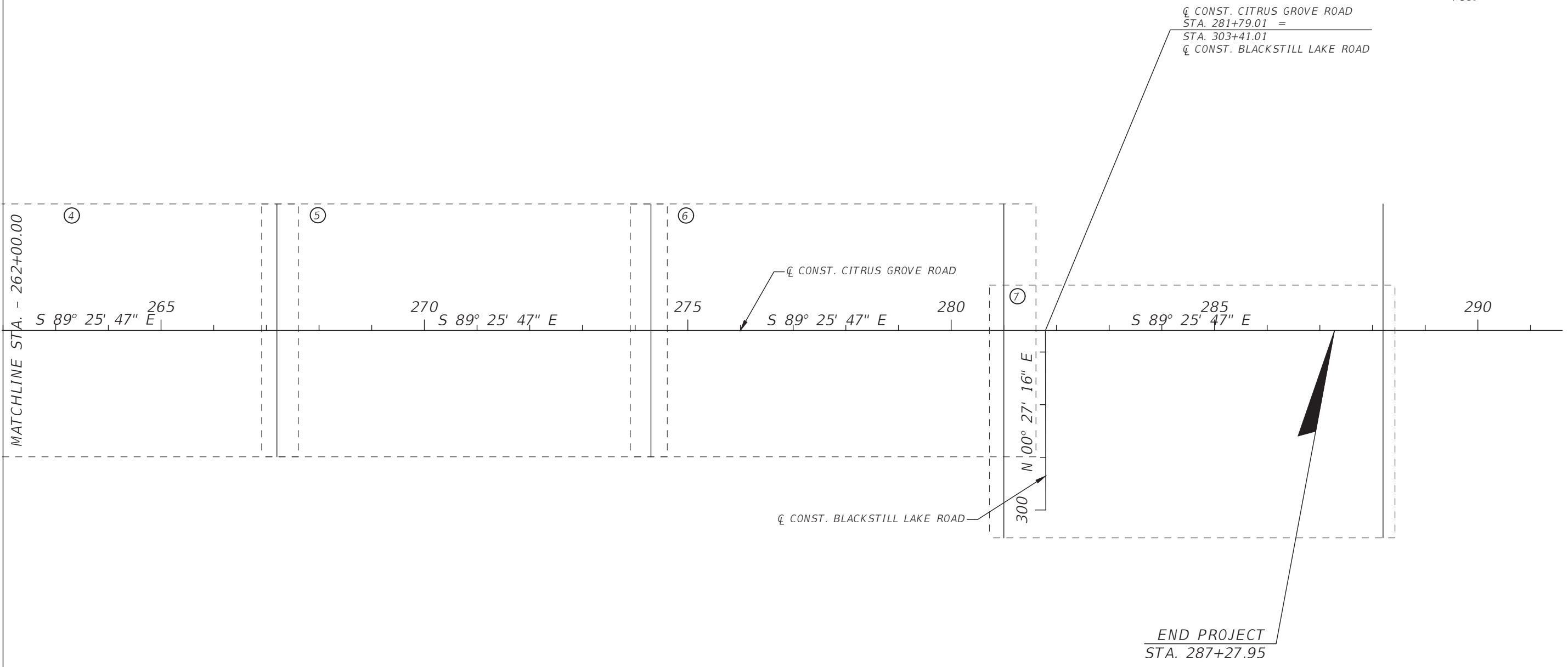
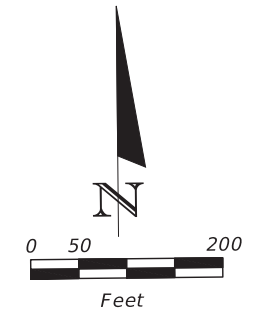
BEGIN EXCEPTION
 STA. 247+52.49

END EXCEPTION
 STA. 251+07.93



MATCHLINE STA. - 262+00.00

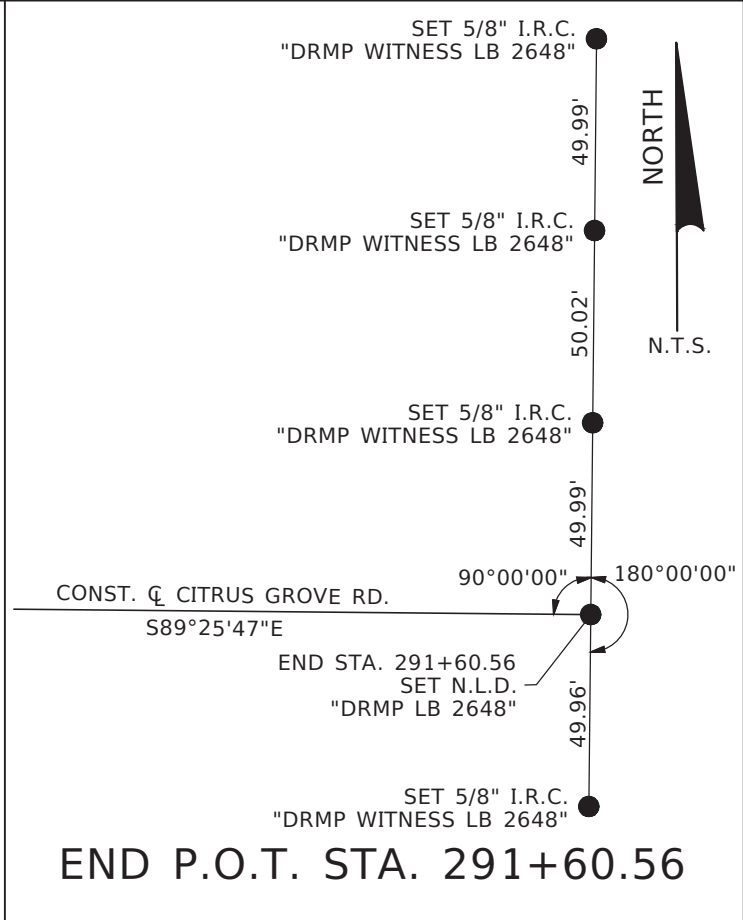
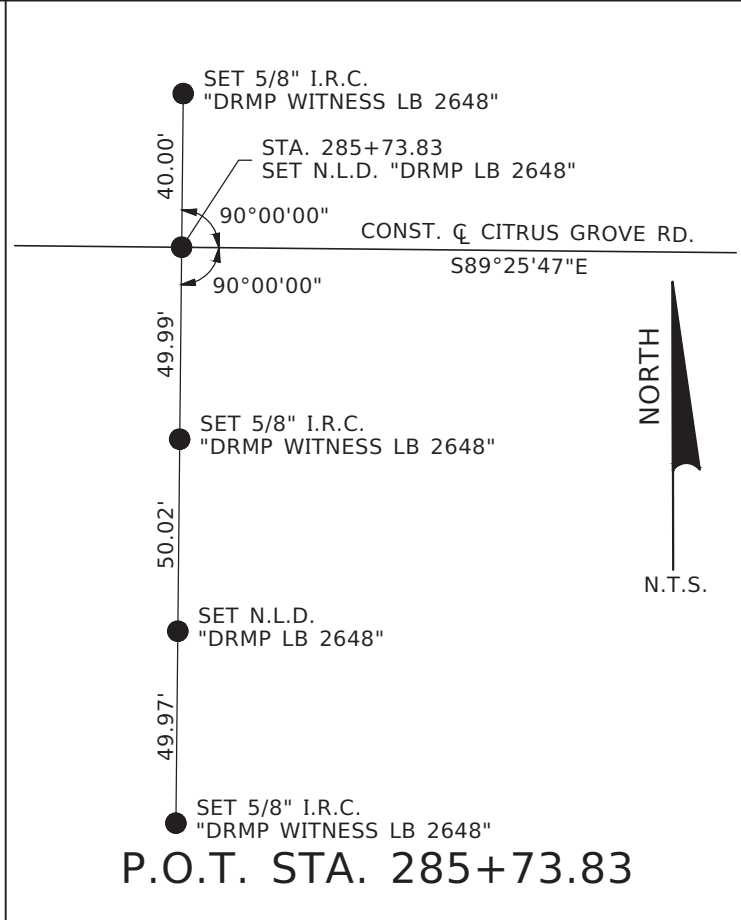
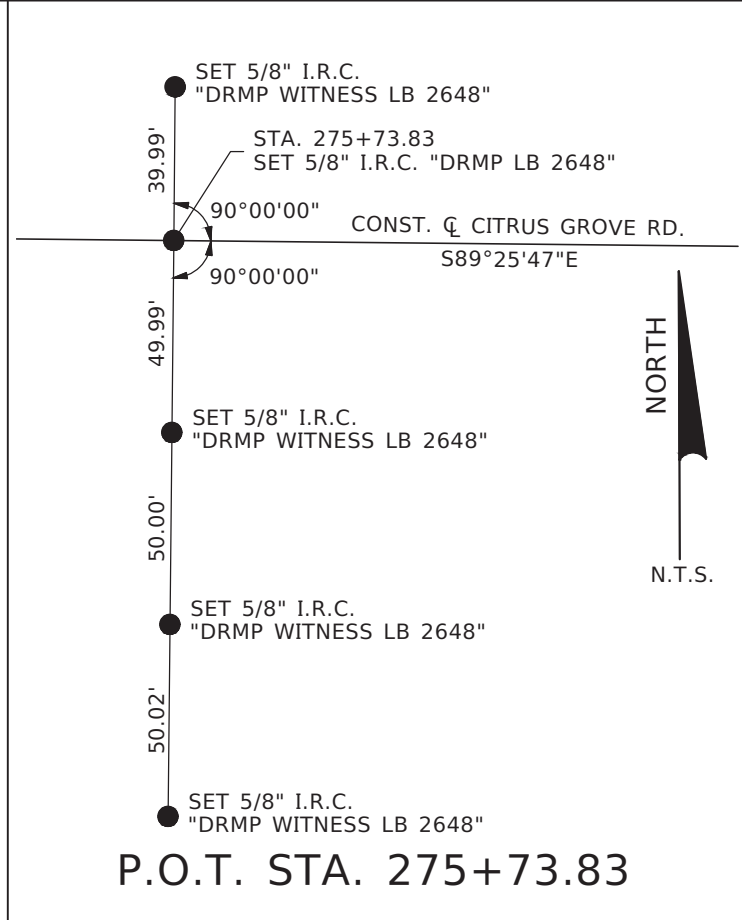
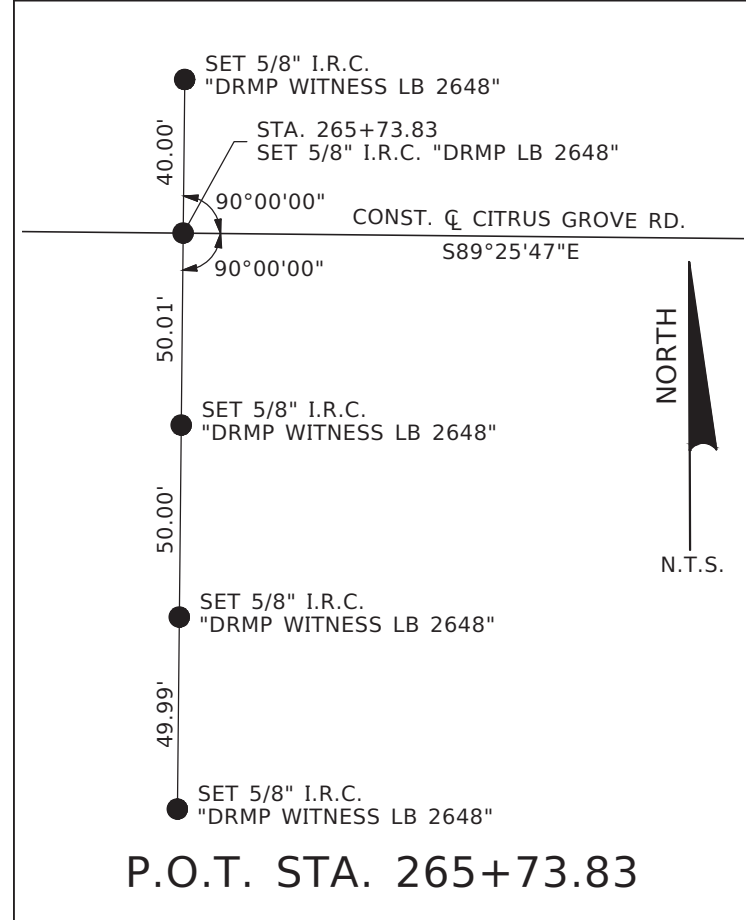
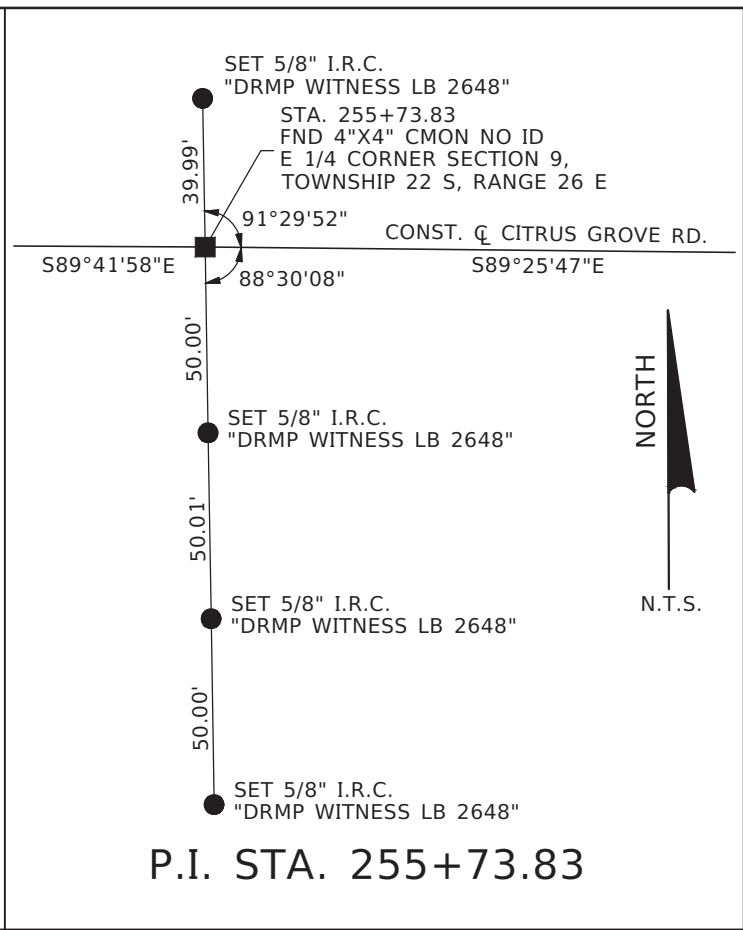
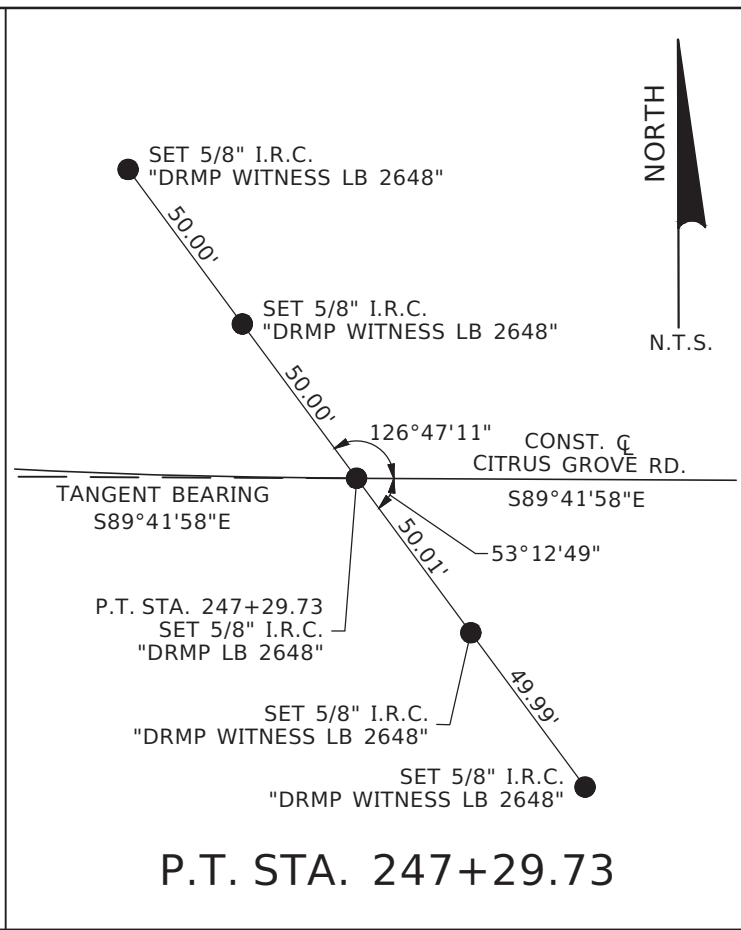
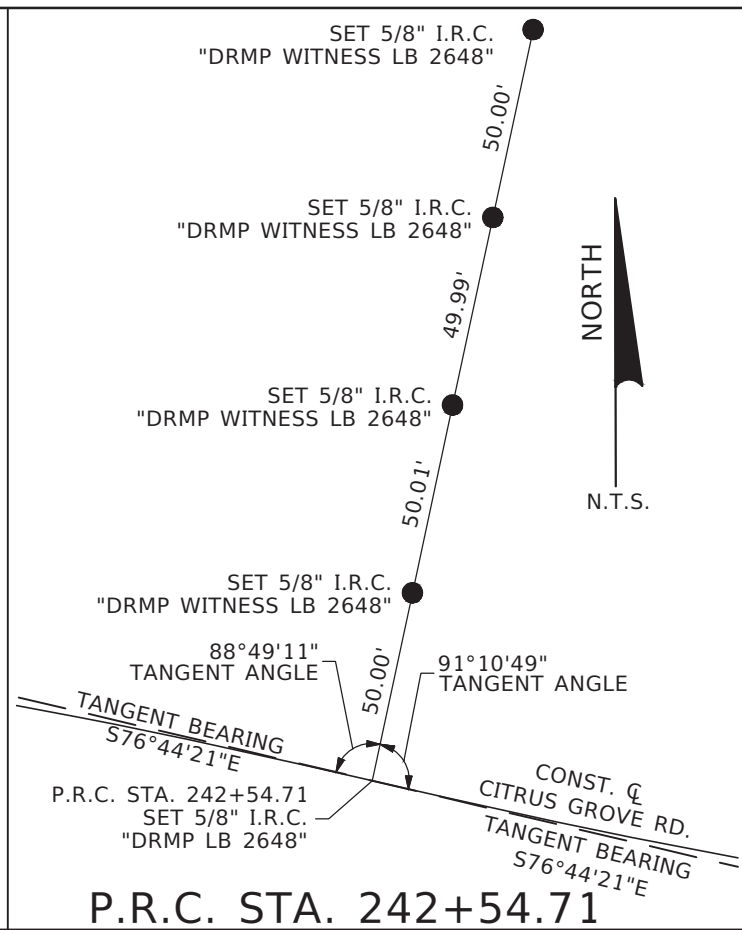
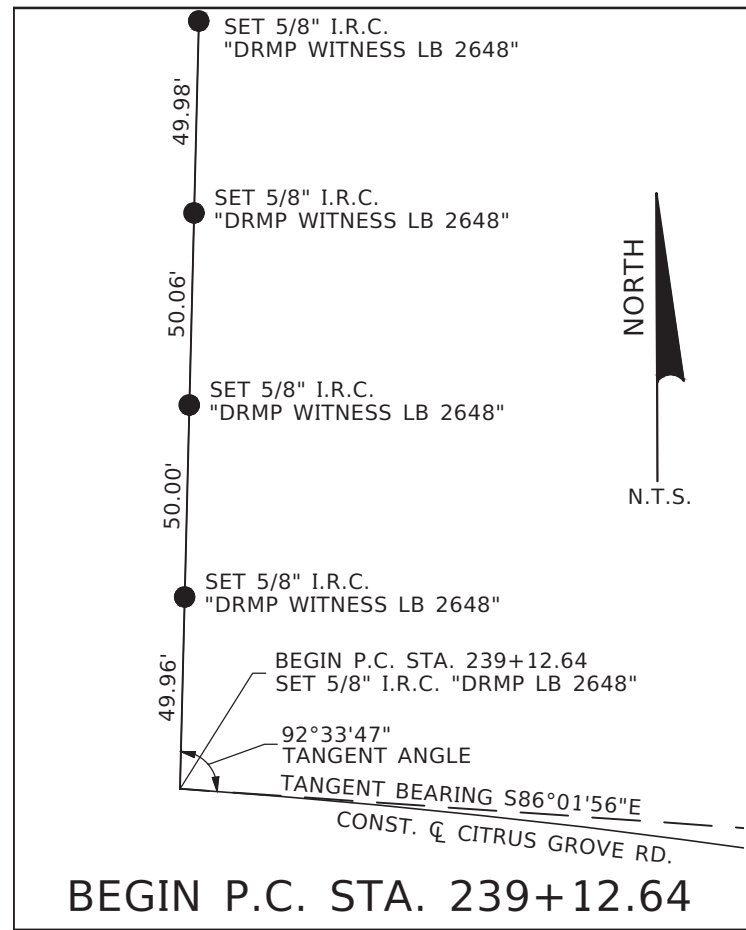
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		PROJECT LAYOUT	SHEET NO.	
###	###			ROAD	RSQ NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064 DATE:	11
				CITRUS GROVE ROAD	19-0910			



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###	###			ROAD	RSQ NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064 DATE:	12
				CITRUS GROVE ROAD	19-0910			



REVISIONS	DATE

LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

ROAD	RSO NO.
CITRUS GROVE ROAD	19-0910

GABRIEL COLON-RIVERA, P.S.M. LICENSE NO. 7114
DATE: 12/12/2020

PROJECT CONTROL

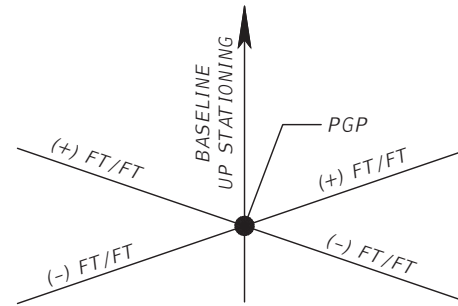
SHEET NO.
13

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 6J.GIZ.002.004.F.A.C.

GENERAL NOTES

- A. ALL MATERIALS, INSTALLATION, TESTING, AND CONSTRUCTION, WITH THE EXCEPTION OF TRAFFIC MARKINGS, SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF LAKE COUNTY, FLORIDA AND THE FDOT MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS COMMONLY KNOWN AS THE "FLORIDA GREENBOOK", 2016 EDITION AND FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, FY 2020-21 EDITION.
- B. ALL PROPOSED ELEVATIONS ARE SHOWN WITH A BORDER. (i.e.: $\boxed{XX.XX}$). ALL OTHER SPOT ELEVATIONS SHOWN ARE EXISTING. ALL VERTICAL DATUM IS N.A.V.D. 1988 DATUM.
- C. PAVEMENT SHALL MEAN ALL ASPHALT AND BASE ASSOCIATED WITH A DRIVING SURFACE AS SHOWN ON THE CONSTRUCTION PLANS.
- D. PAVEMENT REMOVAL SHALL BE REQUIRED ON ALL SIDE STREETS AND DRIVEWAYS THAT ARE WITHIN THE LIMITS OF THE PROPOSED EDGE OF PAVEMENT OF ROAD, AND CONSTRUCTED PER THE CROSS SECTION SHOWN ON THE CONSTRUCTION PLANS MATCHING EXISTING WIDTH AND ELEVATION UNLESS OTHERWISE NOTED.
- E. A CONSTANT SLOPE SHALL BE MAINTAINED BETWEEN DESIGNATED AREAS OF CUT AND FILL.
- F. ALL FILL EXCLUDING SUBGRADE AND/OR SUBBASE PLACED WITHIN PROPOSED ROAD RIGHT-OF-WAY OR EASEMENT SHALL BE COMPACTED AS FOLLOWS:
 - ROADWAY SHOULDERS (BEYOND THE STABILIZED SHOULDER) 95% MAXIMUM DENSITY, A.A.S.H.T.O. T-180, SIX (6") INCHES TYPE B STABILIZATION, MINIMUM 40 LBR SHALL BE REQUIRED.
 - ROADWAY AREAS (UNDER PAVEMENT AND STABILIZED SHOULDERS) 98% MAXIMUM DENSITY, A.A.S.H.T.O. T-180, MINIMUM 40 LBR SHALL BE REQUIRED.
 - FILL VOLUMES SHOWN DO NOT HAVE A COMPACTION MULTIPLIER FACTORED. DETERMINE A COMPACTION FACTOR AND APPLY IT FOR FINAL FILL PLACEMENT VOLUMES. FOR SUBGRADE AND/OR SUBBASE REQUIREMENTS, PLEASE REFER TO SPECIFIC CROSS SECTION.
- G. UNLESS OTHERWISE NOTED, THE ESTABLISHED CLEAR ZONE IN AREAS OF CURB AND GUTTER IS FOUR (4) FEET FROM THE FACE OF CURB. THE ESTABLISHED CLEAR ZONE IN ALL OTHER AREAS ON CITRUS GROVE ROAD AND BLACKSTILL LAKE ROAD IS 10 FEET FROM NEW EDGE OF TRAVEL WAY. ALL ABOVE GROUND STRUCTURES SUCH AS MAIL BOXES, TRAFFIC CONTROL SIGNS, STREET SIGNS, FENCES, ETC., ARE TO BE REMOVED AND REPLACED OUTSIDE OF THE CLEAR ZONE UNLESS NOTED OTHERWISE AND STRUCTURES MEET BREAKAWAY REQUIREMENTS OF FDOT. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF REMOVAL AND REPLACEMENT OF THESE STRUCTURES. DAILY ACCESS TO MAILBOXES SHALL BE MAINTAINED. THE DIRECTOR OF ENGINEERING MAY WAIVE SOME OF THESE REQUIREMENTS, IF NECESSARY.
- H. ALL WORK SHALL BE PERFORMED IN SUCH A MANNER THAT WILL SUCCESSFULLY ACCOMPLISH THE INTENDED DESIGN WITH MINIMAL IMPACT TO EXISTING CONDITIONS. ANY CONSTRUCTION ACTIVITY PERFORMED WITHOUT PRIOR WRITTEN APPROVAL FROM THE DIRECTOR OF ENGINEERING THAT IS DEEMED EXCESSIVELY DISRUPTIVE TO EXISTING CONDITIONS OF THE SURROUNDING AREA AND/OR SIGNIFICANTLY DEVIATES FROM THE LIMITS OF CONSTRUCTION AS SET FORTH BY THESE CONSTRUCTION PLANS SHALL BE CONSIDERED AS PART OF THE ORIGINAL WORK AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN TO RESTORE THE DISTURBED AREA(S).
- I. APPARENT ERRORS, DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE ENGINEER OF RECORD'S ATTENTION WITHIN A REASONABLE TIME FRAME, LESS THAN 48 HOURS AFTER DISCOVERED. ADVANTAGE WILL NOT BE TAKEN OF APPARENT ERROR OR OMISSION IN THE DRAWINGS OR SPECIFICATIONS, AND THE ENGINEER SHALL BE PERMITTED TO MAKE CORRECTIONS AND INTERPRETATIONS AS MAY BE DEEMED NECESSARY FOR FULFILLMENT OF THE INTENT OF THE DESIGN.
- J. VERIFY ALL EXISTING ROADWAY CROSS-SLOPES.
- K. DETECTABLE WARNINGS MATS ARE TO BE CAST IN PLACE THERMOPLASTIC (PREFERRED) OR COUNTY APPROVED EQUAL THAT IS LISTED ON THE FDOT APPROVED PRODUCTS LIST (APL). THE COLOR SHALL BE SAFETY YELLOW OR BRICK RED.
- L. ALL CHAIN LINK FENCE (CLF) WHEN PROPOSED SHALL BE FDOT TYPE B FENCING, BLACK VINYL COATED PER FDOT INDEX 550-002.
- M. QUANTITIES, IF SHOWN, ARE FOR ESTIMATING PURPOSES ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR.

N. SIGN CONVENTION FOR ROADWAY CROSS SLOPE, AS DETAILED IN ROADWAY PLANS, IS AS FOLLOWS:



ANY CROSS SLOPE WHICH INCREASES FROM THE PGP IS CONSIDERED A POSITIVE (+) CROSS SLOPE.



ANY CROSS SLOPE WHICH DECREASES FROM PGP IS CONSIDERED A NEGATIVE (-) CROSS SLOPE.

PUBLIC NOTIFICATION

- A. PRIOR TO CONSTRUCTION, PROVIDE WRITTEN NOTICE TO ALL RESIDENCES ADJACENT TO THE PROJECT LIMITS. WITHIN A MINIMUM OF 14 CALENDAR DAYS PRIOR TO CONSTRUCTION, PROVIDE TO THE COUNTY A COPY OF THE NOTIFICATION WITH A LIST OF THE PARTIES CONTACTED. THIS NOTICE SHALL INCLUDE, AT A MINIMUM, THE ANTICIPATED CONSTRUCTION SCHEDULE, MAINTENANCE OF TRAFFIC PLAN AND ANY IMPACTS, PERMANENT OR TEMPORARY, TO THE SUBJECT RESIDENCE AND ITS ADJACENT AREA. PROVIDE CONTACT INFO INCLUDING NAME OF PROJECT MANAGER AND TELEPHONE NUMBER.
- B. INSTALL PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS, FDOT INDEX 102-670) ON COUNTY ROAD IF IMPACTED BY CONSTRUCTION, ONE (1) WEEK PRIOR TO CONSTRUCTION IN ORDER TO INFORM RESIDENTS AND ROADWAY USERS OF THE IMPENDING CONSTRUCTION. THE PCMS SHALL DISPLAY LANE CLOSURE INFORMATION INCLUDING BUT NOT LIMITED TO ANTICIPATED LANES TO BE CLOSED, EXTENT OF LANE CLOSURE (I.E. "NEXT 3 MILES"), DAILY HOURS OF CLOSURE, AND TEMPORARY SPEED RESTRICTIONS.

STRIPING AND SIGNING

- A. ALL PAVEMENT MARKING SHALL BE LEAD AND SOLVENT FREE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
- B. ALL PAVEMENT MARKING SHALL CONFORM TO THE FY 2020-21 EDITION OF FDOT STANDARDS, THE MUTCD (2009 EDITION, INCLUDING REVISIONS 1 & 2), AND LAKE COUNTY SPECIFICATIONS. WHERE THE SPECIFICATIONS CONFLICT, THE MAXIMUM REQUIREMENTS SHALL APPLY UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.
- C. STRIPING SHALL BE REFLECTORIZED.
- D. ALL CENTERLINE STRIPING SHALL HAVE REFLECTIVE RAISED PAVEMENT MARKINGS (RPMs) PER FDOT STANDARD PLAN INDEX 706-001), UNLESS OTHERWISE NOTED.
- E. ALL TRAFFIC CONTROL SIGNS THAT ARE DISTURBED SHALL BE REPLACED.
- F. ALL STRIPING, SIGNING, AND SIGNAL WORK SHALL BE COORDINATED WITH LAKE COUNTY TRAFFIC OPERATIONS. NOTIFY LAKE COUNTY TRAFFIC OPERATIONS (352) 742-1766 AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY STRIPING, SIGNING, OR SIGNAL WORK.
- G. SELF INSPECT ALL ROAD MARKINGS USING THE JANUARY 26, 2011 FLORIDA METHOD OF TEST FOR TRAFFIC STRIPING RETRO REFLECTIVITY DESIGNATION: FM 5-541 OR THE LATEST EDITIONS NOW IN FORCE OR HEREAFTER ADOPTED; TO TEST AND CERTIFY WIDTH, THICKNESS, COLOR AND RETRO REFLECTIVITY. THE RESULTS SHALL BE SUBMITTED TO THE COUNTY BY THE CONTRACTOR, AND COUNTY RESERVES THE RIGHT TO VERIFY ALL TEST RESULTS. THE COUNTY'S TEST SHALL BE FINAL AND BINDING.
- H. ALL SIGNS AND SIGNAL EQUIPMENT TO BE REMOVED ARE THE PROPERTY OF LAKE COUNTY. THESE ITEMS SHALL BE RETURNED TO LAKE COUNTY TRAFFIC OPERATIONS OR DISPOSED OF BY THE CONTRACTOR AT LAKE COUNTY TRAFFIC OPERATIONS' DIRECTION.
- I. ALL MATERIALS AND HARDWARE SHALL BE FDOT APPROVED AND PRE-APPROVED BY LAKE COUNTY TRAFFIC OPERATIONS PRIOR TO INSTALLATION.
- J. EXISTING STRIPING DESIGNATED FOR REMOVAL SHALL BE MILLED AND RESURFACED IN ACCORDANCE WITH FDOT REQUIREMENTS AND SPECIFICATIONS, SECTION A711-7.

REVISIONS	DATE	 <p>DRMP ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836</p>	 <p>LAKE COUNTY, FL REAL FLORIDA • REAL CLOSE</p>	<p>LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION</p>		<p>PROJECT NOTES (1)</p>	<p>SHEET NO. 14</p>
				ROAD	R50 NO.		
			CITRUS GROVE ROAD	19-0910	DATE:		

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EROSION AND SEDIMENT CONTROL

- A. ALL INLETS, MITERED END SECTIONS, AND END WALLS SHALL BE PROTECTED WITH SOD (5 FEET OF SOD IN ALL DIRECTIONS) PER FDOT STANDARD PLANS INDEX 570-001, INDEX 524-001, AND AS SHOWN ON THE CONSTRUCTION PLANS.
- B. SEE FDOT STANDARD PLANS INDEX NO. 570-001 FOR INSTALLATION OF EROSION CONTROL MEASURES.
- C. SOIL TRACKING PREVENTION DEVICES SHALL BE CONSTRUCTED AT POINTS OF EGRESS FROM UNSTABLE AREAS OF THE PROJECT TO ROADS WHERE OFF SITE TRACKING OF MATERIAL COULD OCCUR.
- D. SOD SHALL BE PLACED IMMEDIATELY AROUND NEW MITERED END SECTIONS AND AREAS SUBJECT TO EROSION PER FDOT INDEX 524-001.
- E. ALL DISTURBED AREAS SHALL BE SODDED, EXCEPT ON BASIN BOTTOM AREAS. BASIN BOTTOM AREAS SHALL BE GRASSED BY SEEDING. SOD REINFORCEMENT FABRIC SHALL BE USED ON BASIN SIDE SLOPES, BERMS, AND EMERGENCY OVERFLOW WEIRS. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING SOD AND SEEDING UNTIL FULLY ESTABLISHED AND AS ADDITIONALLY SHOWN ON THE CONSTRUCTION PLANS.
- F. SOD SHALL BE REPLACED WITH ORIGINAL TYPE ON ALL RESIDENTIAL LOTS AND AS SHOWN ON PLANS.
- G. DE-SILT ALL DRAINS, PIPES AND SWALES WITHIN PROJECT BOUNDARY AT COMPLETION OF CONSTRUCTION.
- H. OBTAIN AN NPDES STORMWATER PERMIT PRIOR TO CONSTRUCTION.
- I. PROVIDE IN WRITING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO THE COUNTY FOR APPROVAL PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES.
- J. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION AND ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROLS SHALL BE FURNISHED AS NEEDED AT NO ADDITIONAL COST. MATERIALS FROM WORK ON THESE PROJECTS SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF PERIMETER AREAS OR IN WATERWAYS. SEDIMENT BARRIERS, INLET PROTECTION, AND OTHER ESSENTIAL EROSION CONTROL MEASURES MUST REMAIN IN PLACE AND IN GOOD CONDITION AT ALL LOCATIONS IN THE CONSTRUCTION PLANS OR AS REQUIRED UNTIL SOILS ARE STABILIZED, VEGETATION HAS BEEN ESTABLISHED, AND THE CONTRACT IS COMPLETE. MEASURES SHOWN ARE THE MINIMUM REQUIRED. ENSURE THAT THERE IS NO DIRECT OR INDIRECT DISCHARGE OF CONSTRUCTION MATERIALS INTO OFF SITE AREAS, WATERWAYS, ETC.. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.
- K. PEGGED SOD SHALL BE PLACED ON ALL SLOPES 1:3 (V:H) OR STEEPER.

UTILITIES

- A. THE UTILITIES SHOWN IN THE CONSTRUCTION PLANS MAY NOT BE ALL OF THE UTILITIES ON SITE. UNLESS OTHERWISE NOTED, THE LOCATION OF UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. CALL SUNSHINE STATE ONE-CALL OF FLORIDA, INC. @ 1-800-432-4770 TO CONFIRM UTILITY LOCATIONS.
- B. NOTIFY ALL UTILITY AGENCY OWNERS (UAOs) PRIOR TO CONSTRUCTION AND COORDINATE UTILITY RELOCATION WITH THE PROJECT CONSTRUCTION.
- C. ONLY UTILITIES SHOWN HERON ARE THOSE THAT WERE VISIBLE AT THE TIME OF THE SURVEY WERE LOCATED. NO ATTEMPT WAS MADE TO LOCATE UNDERGROUND UTILITIES. AN ASCE QUALITY A OR B DESIGNATION WILL BE NECESSARY BEFORE ANY ONSITE WORK TAKES PLACE. CONTACT SUNSHINE STATE ONE-CALL AT 811 FOR FURTHER INFORMATION.

TREES AND LANDSCAPING

- A. ALL TREES ARE TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
- B. REPLACE LANDSCAPING THAT IS REMOVED OR DESTROYED WITHIN THE LIMITS OF CONSTRUCTION.
- C. TREES SHALL BE TRIMMED TO RIGHT-OF-WAY LINE OR WITHIN 8 FEET OF EDGE OF PAVEMENT (EOP) TO A HEIGHT OF 18 FEET, WHICHEVER IS LESS.

DRIVEWAYS

- A. DRIVEWAYS SHALL BE PAVED WITHIN THE RIGHT-OF-WAY.
- B. SINGLE RESIDENTIAL DRIVES SHALL MATCH EXISTING WIDTH AND BE A MINIMUM OF 10.0' WIDE WITH AN 8.0' RADIUS FOR ASPHALT OR 4' x 8' WEDGE FOR CONCRETE.
- C. CONCRETE APRONS SHALL BE CONSTRUCTED AT EXISTING CONCRETE DRIVEWAYS. CONCRETE SHALL BE A MINIMUM OF SIX (6) INCHES THICK, 3,000 P.S.I. WITH 6 x 6 10/10 WOVEN WIRE MESH
- D. DRIVEWAY LOCATIONS AND WIDTHS SHOWN IN CONSTRUCTION PLANS ARE APPROXIMATE AND MAY BE ADJUSTED AS DIRECTED BY THE LAKE COUNTY DIRECTOR OF ENGINEERING OR BY THE ENGINEER OR RECORD.

SURVEY

- A. VERIFY ALL CONTROL AND BENCHMARK DATA BEFORE CONSTRUCTION. DISCREPANCIES IN DATA SHALL BE BROUGHT TO THE ATTENTION OF THE LAKE COUNTY SURVEY MANAGER AT (352) 253-6049.
- B. ALL (P.R.M.'s) IRONS AND MONUMENTS SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH A CAST IRON VALVE BOX.
- C. PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED THE COUNTY SURVEYOR SHALL BE IMMEDIATELY NOTIFIED.
- D. PROVIDE TWO (2) SETS OF HARD COPY AS-BUILTS AND ONE (1) ELECTRONIC FILE. THE AS-BUILTS SHALL SHOW DRAINAGE INFORMATION AS WELL AS EDGE OF PAVEMENT SHOTS FOR THE ROADWAY.
- E. HORIZONTAL CONTROL SHOWN ON PLANS IS RELATIVE TO NORTH AMERICAN DATUM 1983 (NAD 83) STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE FOOT.
- F. BENCHMARK DATUM USED FOR THE PLANS IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

TRAFFIC CONTROLS



- A. EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
- B. SUBMIT DETAILED MAINTENANCE OF TRAFFIC PLANS FOR REVIEW AND APPROVAL. ALL ROADS SHALL BE OPEN TO TRAFFIC WITH NO PERMANENT LANE CLOSURES ALLOWED. CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 EDITION, INCLUDING REVISIONS 1 AND 2) AND THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (FY 2019-20), INDICES 102-600 TO 102-660, AS APPLICABLE.
- C. ANY TEMPORARY ROAD CLOSURE REQUIRES AUTHORIZATION REQUEST MADE TO LAKE COUNTY ROAD OPERATIONS AT (352) 253-4480 AND WITH AT LEAST THREE (3) DAYS NOTICE PRIOR TO CLOSURE. SUPPLY A DETOUR PLAN WHEN REQUESTING CLOSURE. NO CLOSURE SHALL TAKE PLACE WITHOUT APPROVAL OF THE DETOUR PLAN. SUPPLY ALL SIGNAGE ASSOCIATED WITH CLOSURE AND DETOUR.
- D. IF EXISTING VEHICLE DETECTION LOOPS ARE DAMAGED DURING CONSTRUCTION, FURNISH, INSTALL, AND MAINTAIN TEMPORARY DETECTION LOOPS.

DRAINAGE

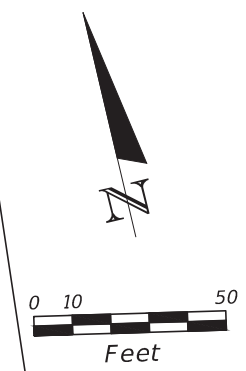
- A. IN ALL PONDS THAT REQUIRE FILL, USE WELL GRADED SAND FILL NO MORE THAN 5% PASSING #200 SIEVE MATERIAL IN THE POND BANKS AND BOTTOM. AT NO TIME SHALL CLAYEY OR SILTY SOILS BE USED UNLESS AUTHORIZED BY THE LAKE COUNTY DIRECTOR OF ENGINEERING OR HIS DESIGNEE. NOTIFY THE LAKE COUNTY CONSTRUCTION INSPECTOR 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY POND CONSTRUCTION TO COORDINATE THE INSPECTION OF THE PROPOSED CONSTRUCTION PRACTICES AND MATERIALS TO BE USED.
- B. ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES WITHIN THE RIGHT-OF-WAY SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS.
- C. UNLESS OTHERWISE NOTED, ALL EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN.
- D. CONSTRUCT ALL PIPES, PIPE END TREATMENTS, AND DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION IN A DRY CONDITION OR AS APPROVED BY THE LAKE COUNTY DIRECTOR OF ENGINEERING.
- E. CONSTRUCT ALL MITERED END SECTIONS PER FDOT STANDARD PLANS INDEX 430-021 FOR CROSS PIPES AND SIDE PIPES.
- F. ALL PIPES TO BE RCP (CLASS III) UNLESS OTHERWISE STATED ON PLANS.
- G. CONSTRUCT ALL WALL ZONE PIPES AS IDENTIFIED IN THE PLANS IN ACCORDANCE WITH THE FDOT DRAINAGE MANUAL - APPENDIX D (JANUARY 2021 EDITION).

PLAN ABBREVIATIONS

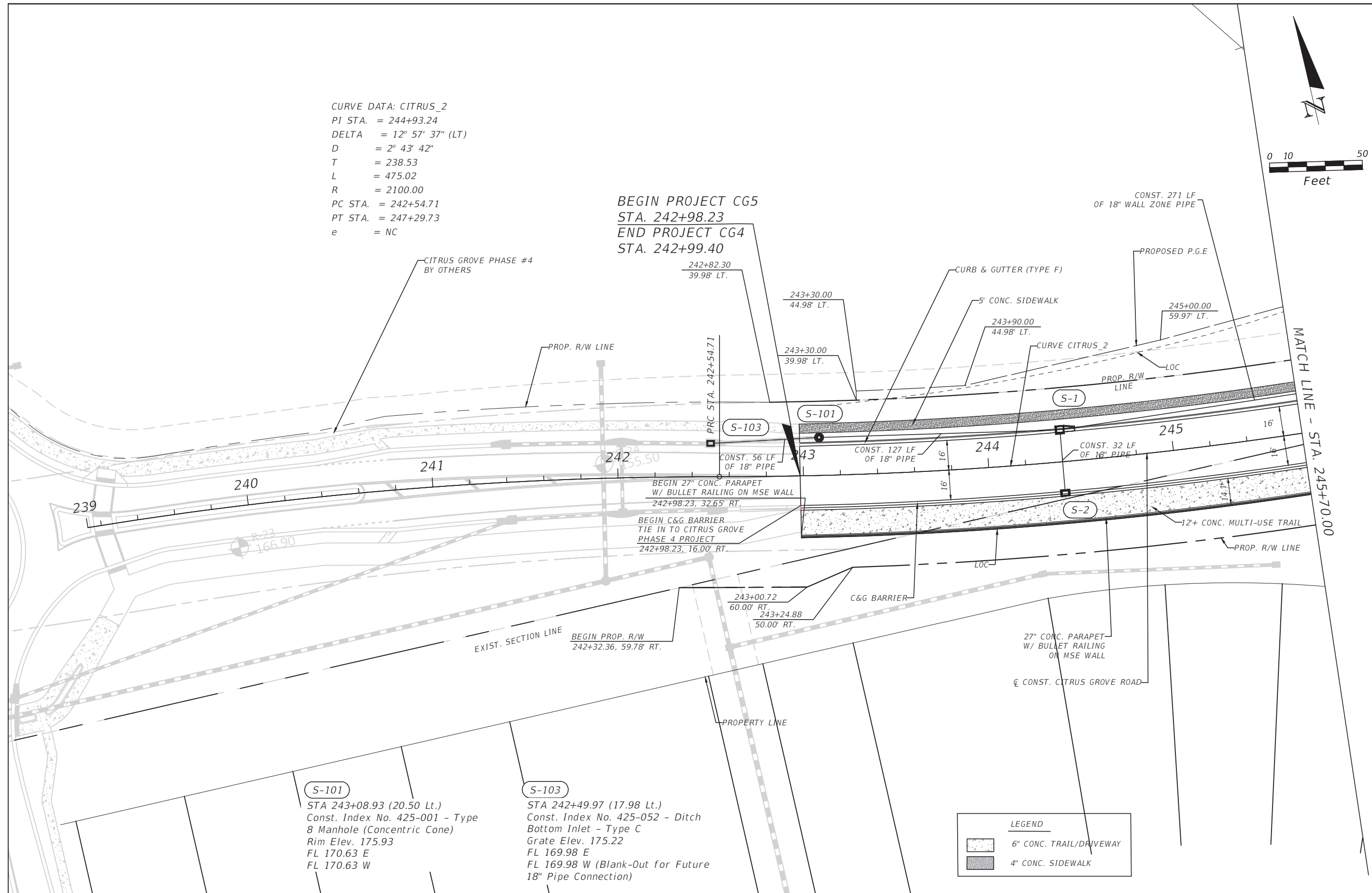
- TCE = TEMPORARY CONSTRUCTION EASEMENT
- ESMT. = EASEMENT
- PERP. = PERPETUAL

REVISIONS	DATE	 DRMP <small>ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA • REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		PROJECT NOTES (2)	SHEET NO.
				ROAD	RSO NO.		
				CITRUS GROVE ROAD	19-0910	JOHN R. BURKETT, P.E. LICENSE NO. 40064	
						DATE:	

CURVE DATA: CITRUS_2
 PI STA. = 244+93.24
 DELTA = 12° 57' 37" (LT)
 D = 2° 43' 42"
 T = 238.53
 L = 475.02
 R = 2100.00
 PC STA. = 242+54.71
 PT STA. = 247+29.73
 e = NC



BEGIN PROJECT CG5
 STA. 242+98.23
 END PROJECT CG4
 STA. 242+99.40



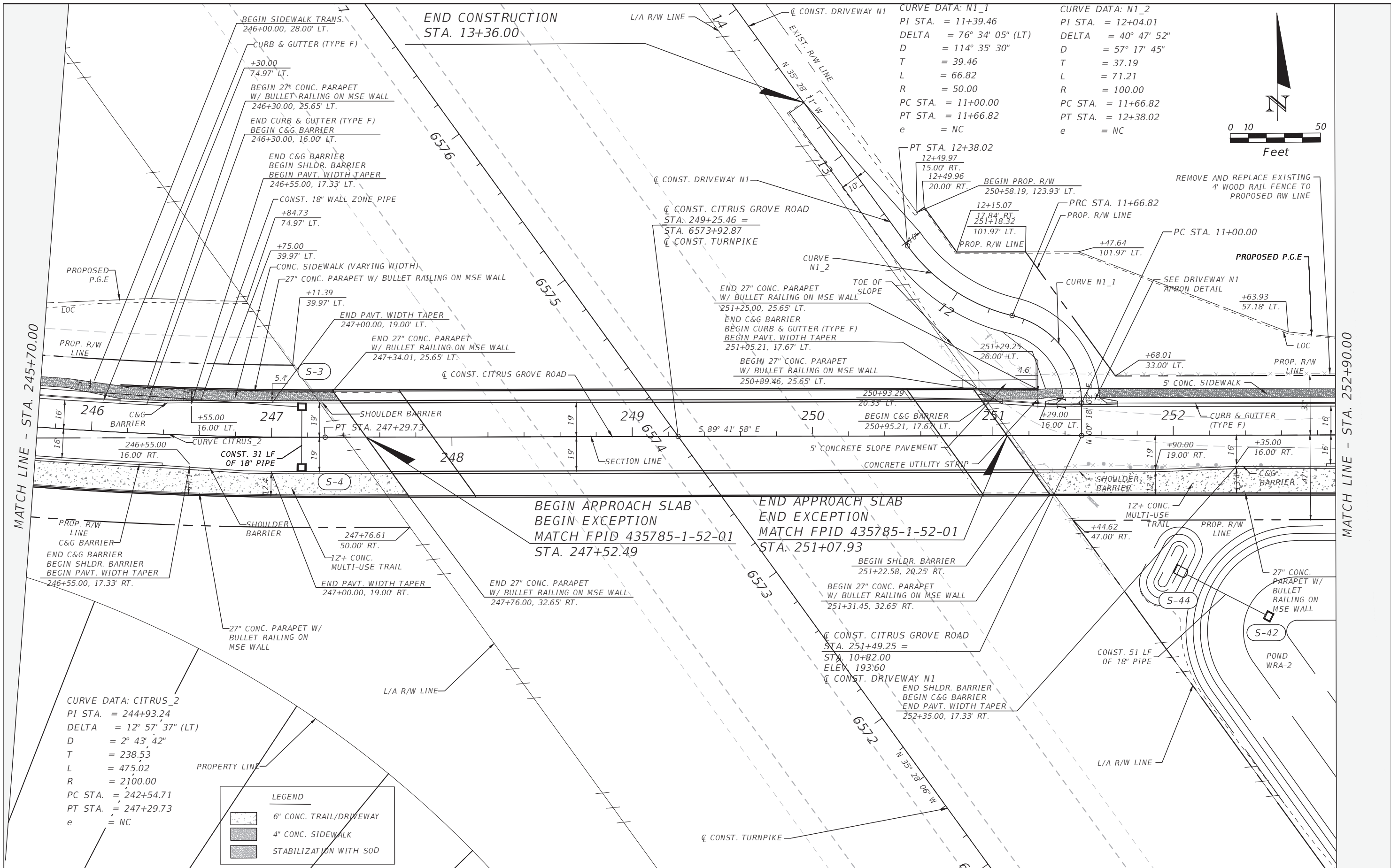
S-101
 STA 243+08.93 (20.50 Lt.)
 Const. Index No. 425-001 - Type
 8 Manhole (Concentric Cone)
 Rim Elev. 175.93
 FL 170.63 E
 FL 170.63 W

S-103
 STA 242+49.97 (17.98 Lt.)
 Const. Index No. 425-052 - Ditch
 Bottom Inlet - Type C
 Grate Elev. 175.22
 FL 169.98 E
 FL 169.98 W (Blank-Out for Future
 18" Pipe Connection)

LEGEND	
	6" CONC. TRAIL/DRIVEWAY
	4" CONC. SIDEWALK

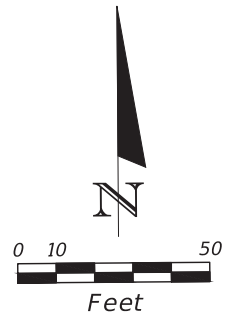
REVISIONS	DATE	 DRMP ENGINEERS, ARCHITECTS, PLANNERS, SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL REAL FLORIDA • REAL CLOSE	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		ROADWAY PLAN (1)	SHEET NO. 16
				ROAD CITRUS GROVE ROAD	RSQ NO. 19-0910		

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CURVE DATA: N1_1
 PI STA. = 11+39.46
 DELTA = 76° 34' 05" (LT)
 D = 114° 35' 30"
 T = 39.46
 L = 66.82
 R = 50.00
 PC STA. = 11+00.00
 PT STA. = 11+66.82
 e = NC

CURVE DATA: N1_2
 PI STA. = 12+04.01
 DELTA = 40° 47' 52"
 D = 57° 17' 45"
 T = 37.19
 L = 71.21
 R = 100.00
 PC STA. = 11+66.82
 PT STA. = 12+38.02
 e = NC



CURVE DATA: CITRUS_2
 PI STA. = 244+93.24
 DELTA = 12° 57' 37" (LT)
 D = 2° 43' 42"
 T = 238.53
 L = 475.02
 R = 2100.00
 PC STA. = 242+54.71
 PT STA. = 247+29.73
 e = NC

LEGEND

	6" CONC. TRAIL/DRIVEWAY
	4" CONC. SIDEWALK
	STABILIZATION WITH SOD

REVISIONS	DATE

DRMP
 ENGINEERS/SURVEYORS/LANDSCAPE ARCHITECTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836



LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	
ROAD	RSO NO.
CITRUS GROVE ROAD	19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:

ROADWAY PLAN (2)

SHEET NO.
17

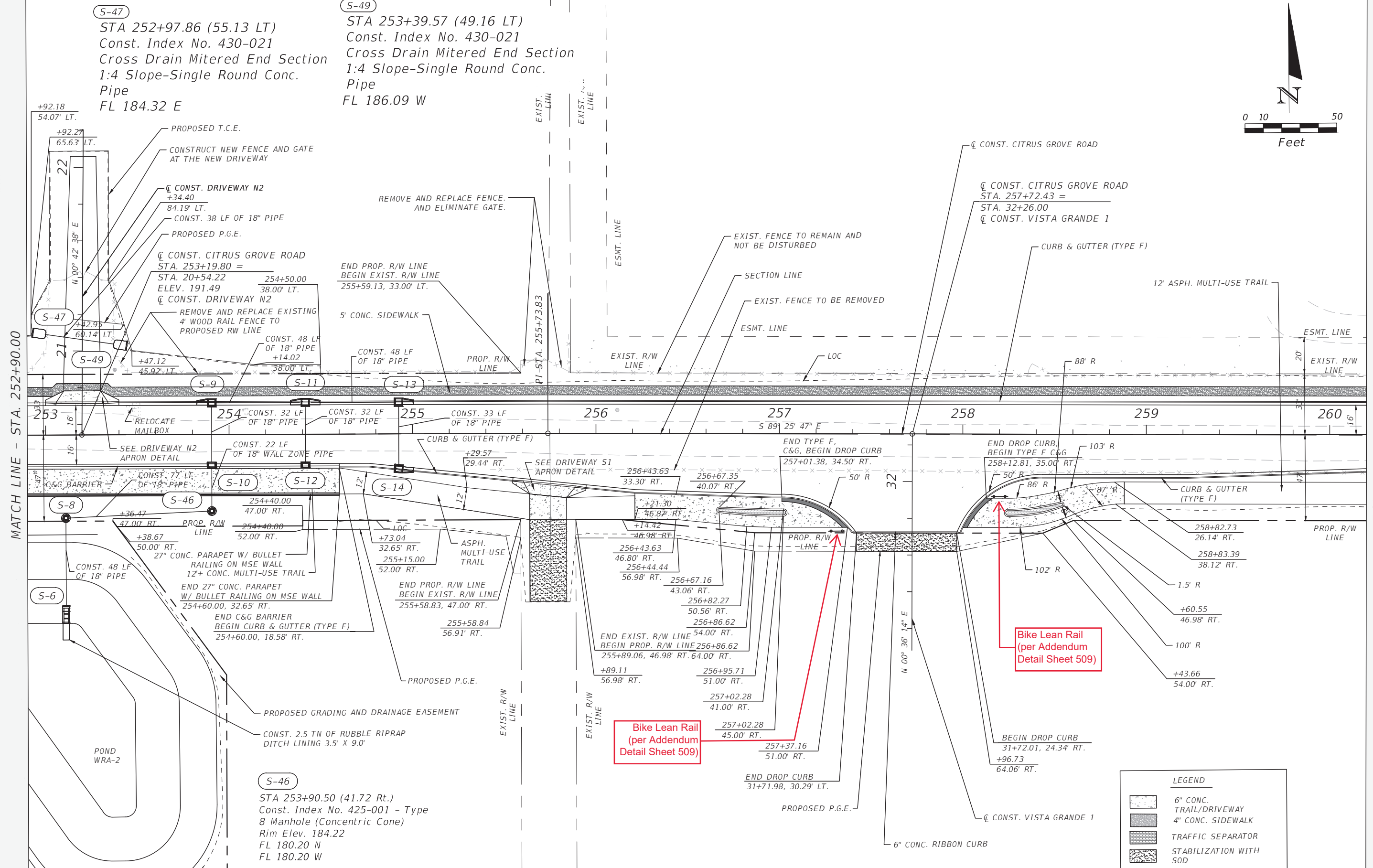
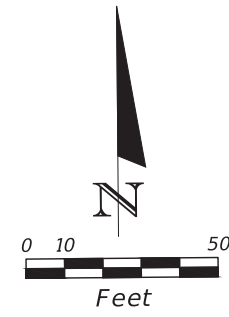
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S-47

STA 252+97.86 (55.13 LT)
Const. Index No. 430-021
Cross Drain Mitered End Section
1:4 Slope-Single Round Conc.
Pipe
FL 184.32 E

S-49

STA 253+39.57 (49.16 LT)
Const. Index No. 430-021
Cross Drain Mitered End Section
1:4 Slope-Single Round Conc.
Pipe
FL 186.09 W



MATCH LINE - STA. 252+90.00

MATCH LINE - STA. 260+20.00

Bike Lean Rail
(per Addendum
Detail Sheet 509)

Bike Lean Rail
(per Addendum
Detail Sheet 509)

LEGEND

[Symbol]	6" CONC. TRAIL/DRIVEWAY
[Symbol]	4" CONC. SIDEWALK
[Symbol]	TRAFFIC SEPARATOR
[Symbol]	STABILIZATION WITH SOD

REVISIONS	DATE

DRMP
ENGINEERS SURVEYORS LANDSCAPE ARCHITECTS
DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814
P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
REAL FLORIDA - REAL CLOSE

LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

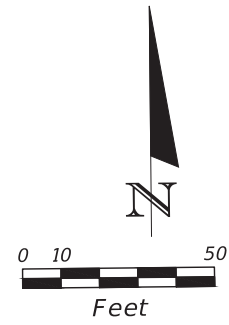
ROAD	RSO NO.
CITRUS GROVE ROAD	19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
DATE:

ROADWAY PLAN (3)

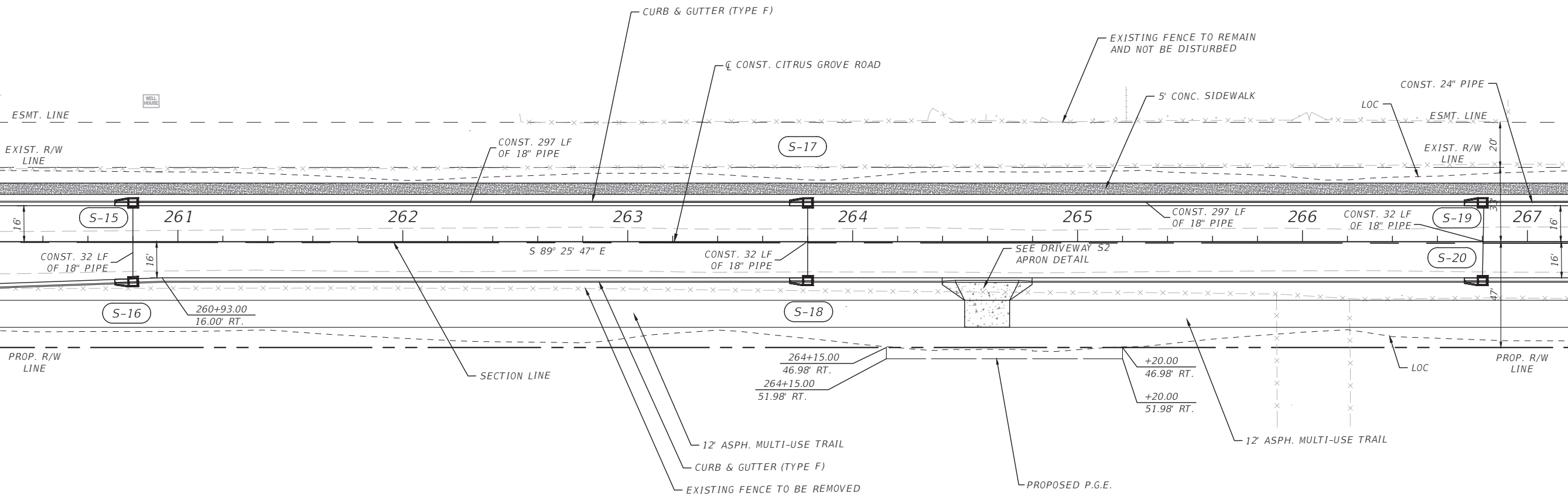
SHEET NO. 18

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MATCH LINE - STA. 260+20.00

MATCH LINE - STA. 267+20.00



LEGEND	
6" CONC. TRAIL/DRIVEWAY	
STABILIZATION WITH SOD	
4" CONC. SIDEWALK	

REVISIONS	DATE

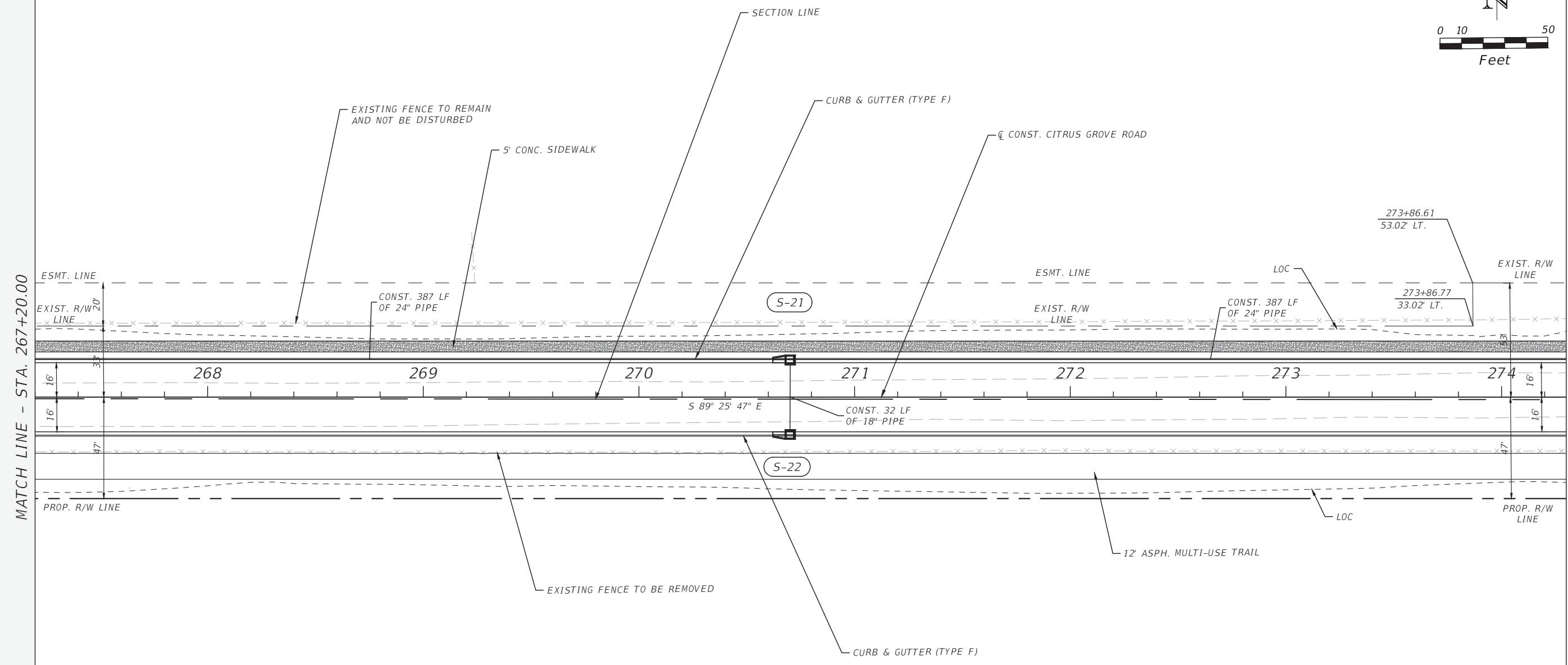
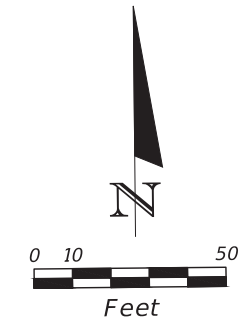
LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	
ROAD	RSQ NO.
CITRUS GROVE ROAD	19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
DATE:

ROADWAY PLAN (4)

SHEET NO.
19

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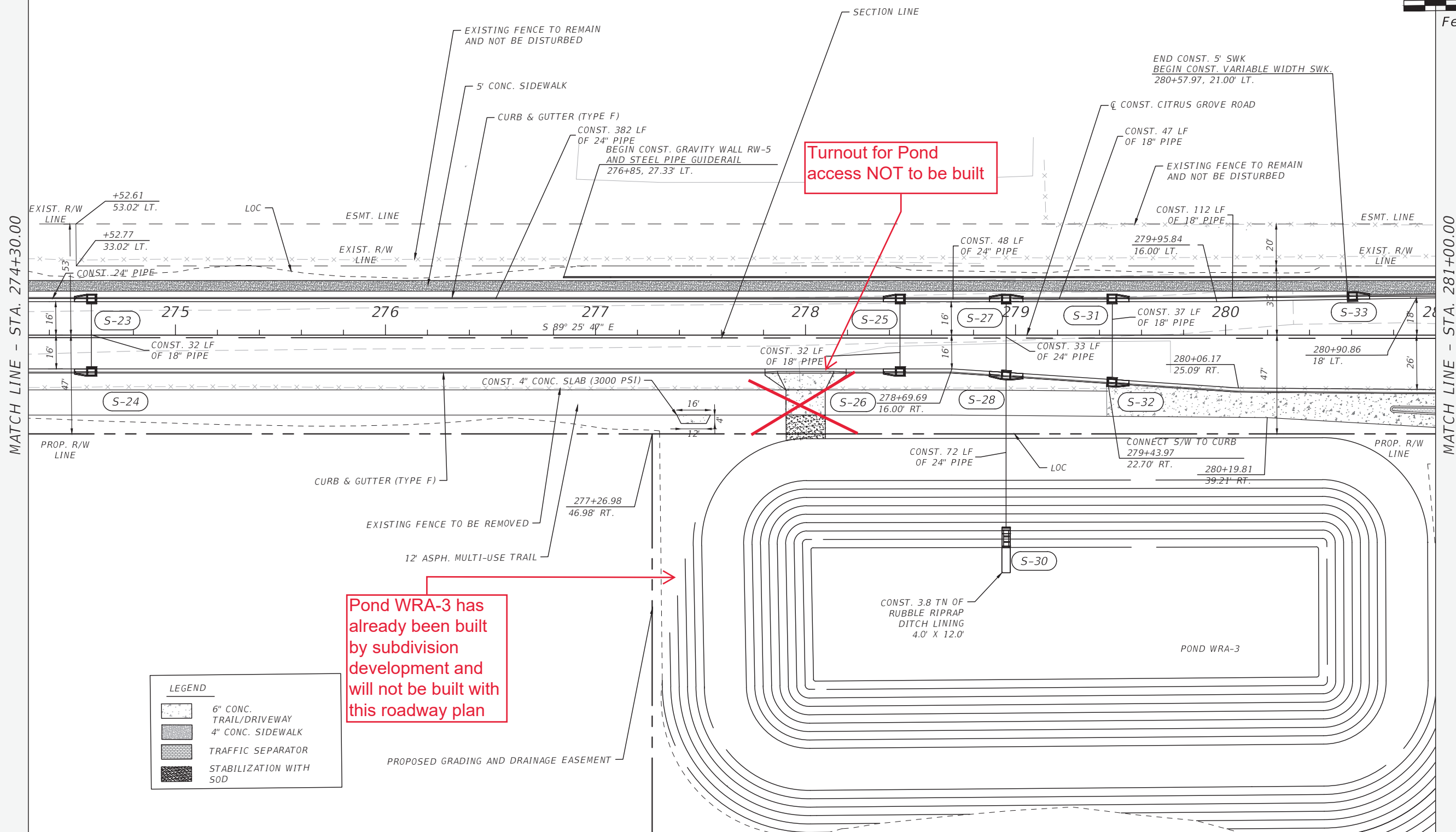
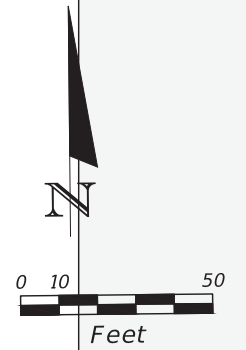
LEGEND	
	4" CONC. SIDEWALK

MATCH LINE - STA. 267+20.00

MATCH LINE - STA. 274+30.00

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<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	REVISIONS	DATE									<p>DRMP ENGINEERS SURVEYORS PLANNERS SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836</p>	<p>LAKE COUNTY, FL REAL FLORIDA - REAL CLOSE</p>	<p>LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION</p>		<p>JOHN R. BURKETT, P.E. LICENSE NO. 40064 DATE: 4/7/2022 9:09:01 AM</p>	<p>ROADWAY PLAN (5)</p>	<p>SHEET NO.</p>
	REVISIONS	DATE															
<p>CITRUS GROVE ROAD</p>	<p>RSO NO. 19-0910</p>	<p>20</p>															

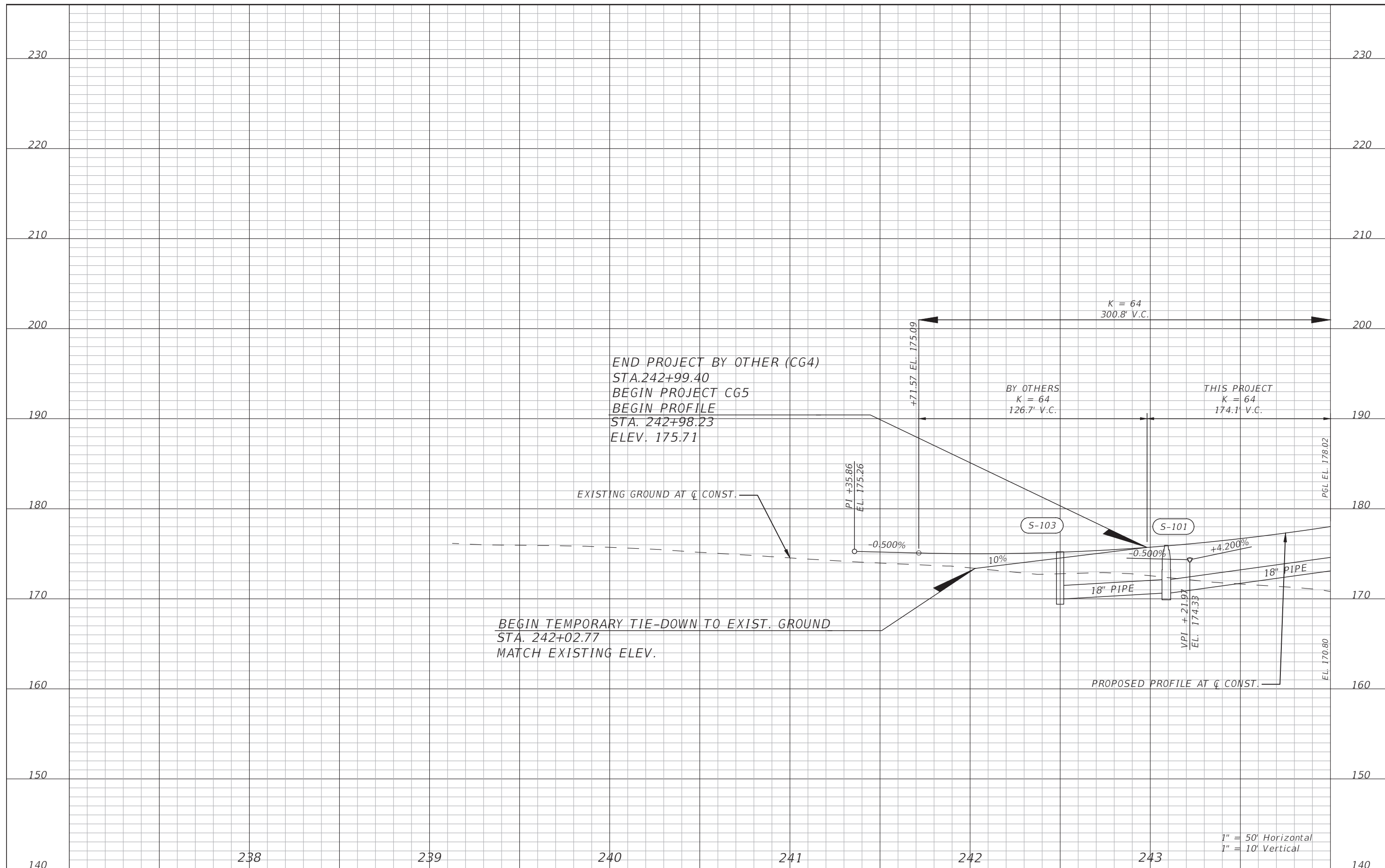


LEGEND

	6" CONC. TRAIL/DRIVEWAY
	4" CONC. SIDEWALK
	TRAFFIC SEPARATOR
	STABILIZATION WITH SOD


REVISIONS --- --- ---	DATE --- --- ---	 DRMP ENGINEERS/SURVEYORS/LANDSCAPE ARCHITECTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL REAL FLORIDA • REAL CLOSE	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		ROADWAY PLAN (6)	SHEET NO. 21
				ROAD CITRUS GROVE ROAD	RSO NO. 19-0910		

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REVISIONS	DATE


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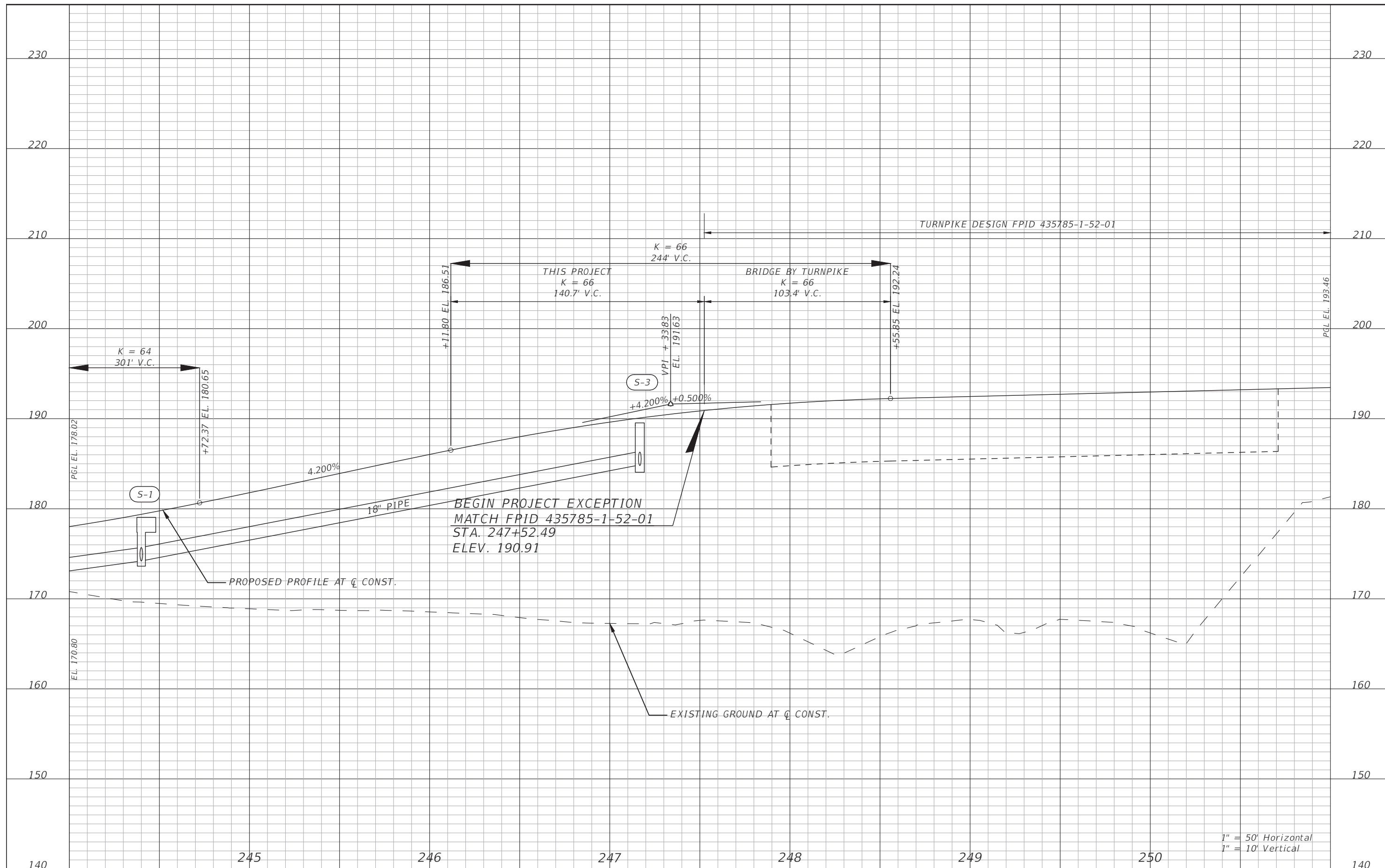

LAKE
 COUNTY, FL
 REAL FLORIDA - REAL CLOSE

LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R BURKETT, P.E. LICENSE NO. 40064
 DATE:

PROFILE SHEET (1)
CITRUS GROVE ROAD

SHEET NO.
 23



1" = 50' Horizontal
1" = 10' Vertical

REVISIONS	DATE

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941 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814
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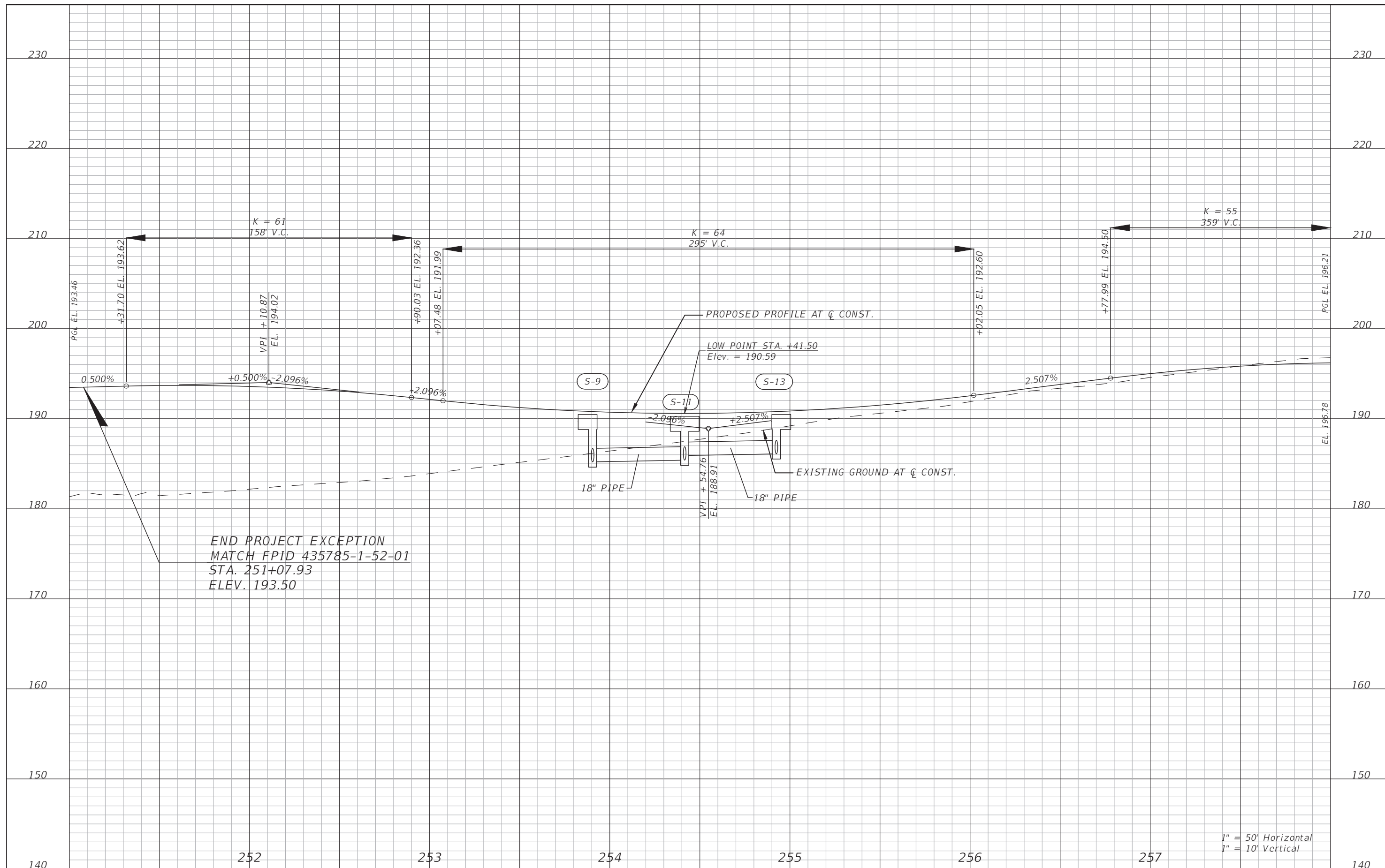


LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
ROAD RSO NO.
CITRUS GROVE ROAD 19-0910

JOHN R BURKETT, P.E. LICENSE NO. 40064
DATE:

PROFILE SHEET (2)
CITRUS GROVE ROAD
SHEET NO. 24

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END PROJECT EXCEPTION
 MATCH FPID 435785-1-52-01
 STA. 251+07.93
 ELEV. 193.50

1" = 50' Horizontal
 1" = 10' Vertical

REVISIONS	DATE

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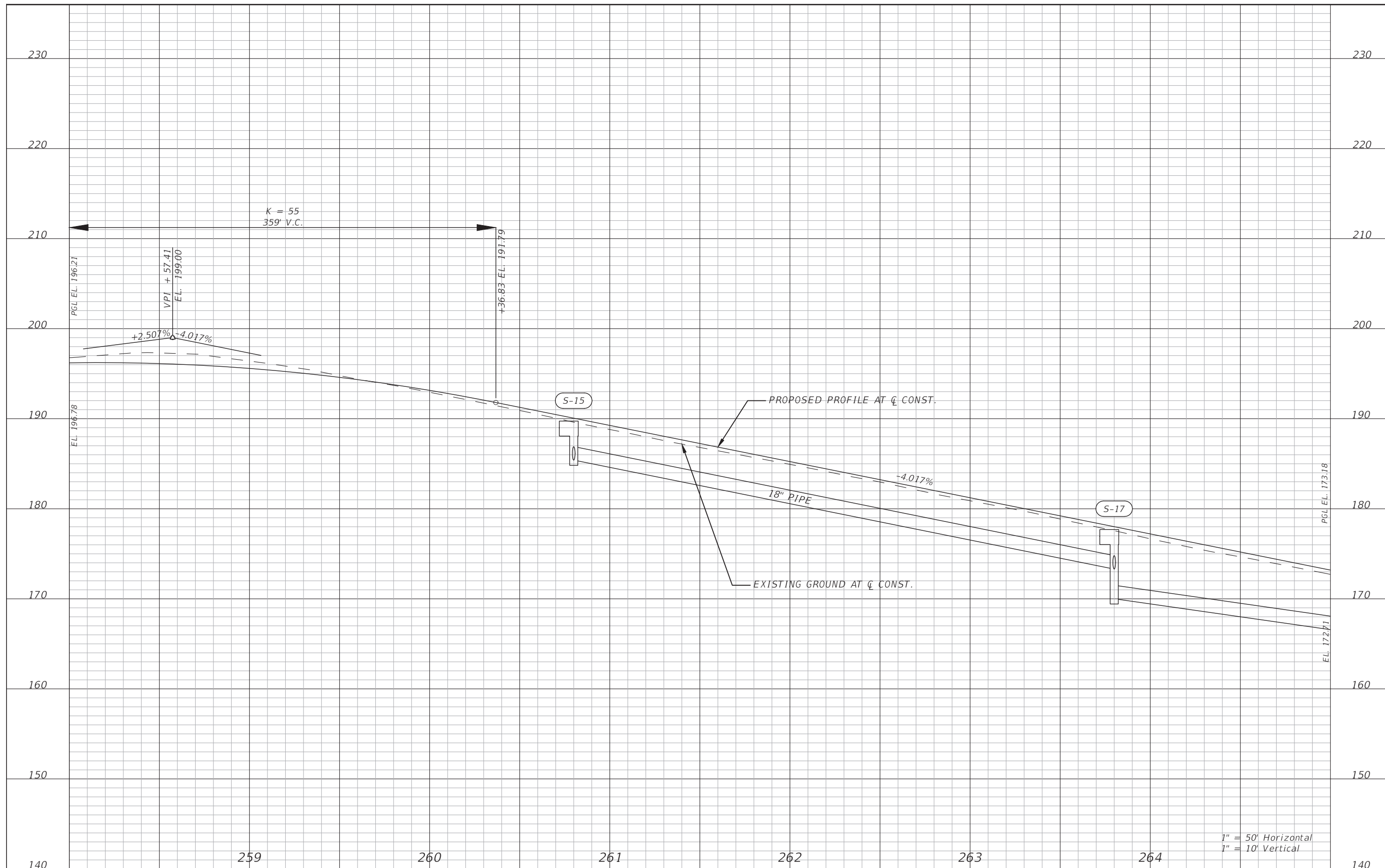
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R BURKETT, P.E. LICENSE NO. 40064
 DATE:

PROFILE SHEET (3)
CITRUS GROVE ROAD

SHEET NO.
 25

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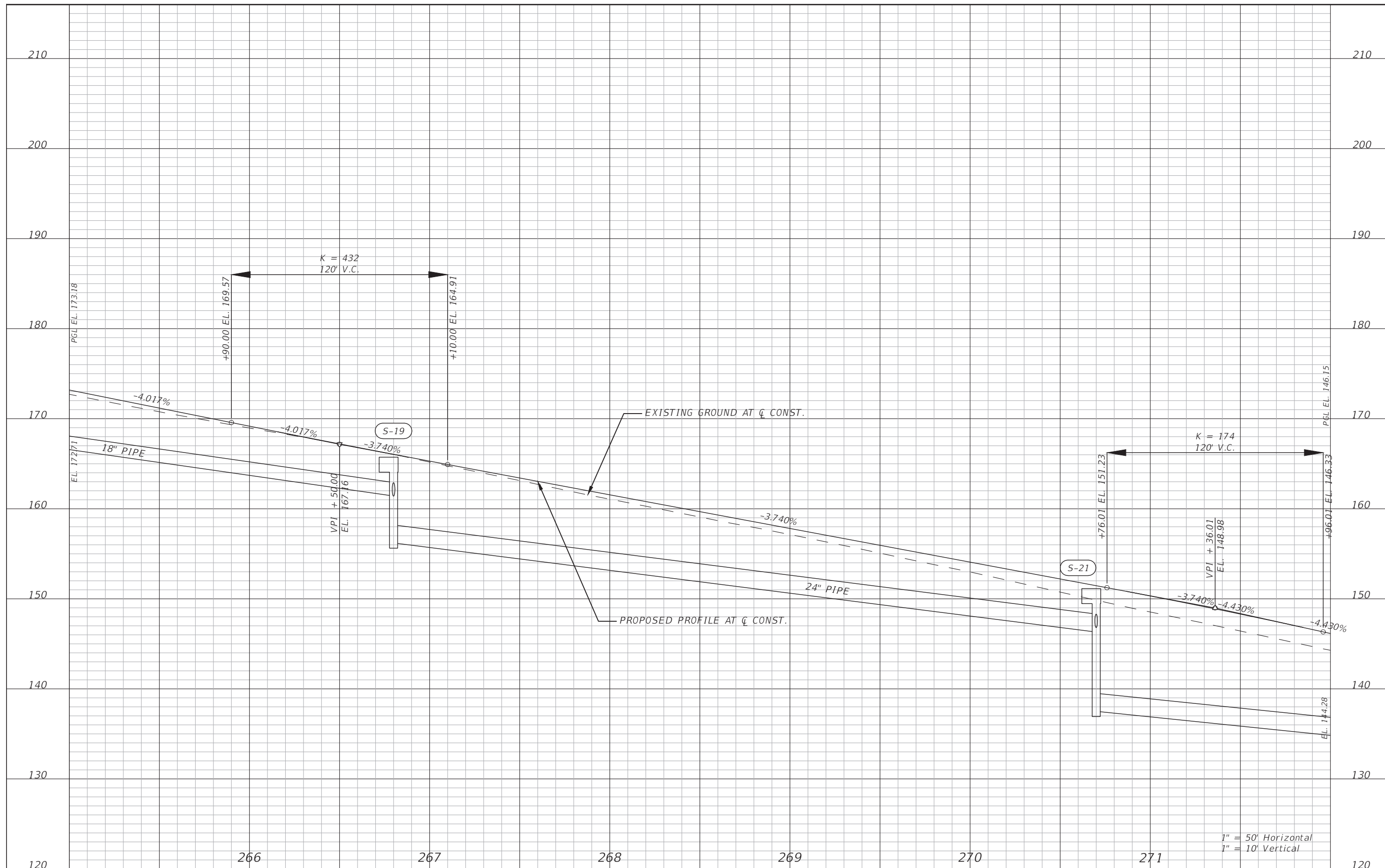
LAKE COUNTY, FL
 REAL FLORIDA - REAL CLOSE

LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD: CITRUS GROVE ROAD
 RSO NO.: 19-0910

JOHN R BURKETT, P.E. LICENSE NO. 40064
 DATE:

PROFILE SHEET (4)
CITRUS GROVE ROAD

SHEET NO.
 26



1" = 50' Horizontal
1" = 10' Vertical

REVISIONS	DATE

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P 407.896.0594 F 407.896.4836



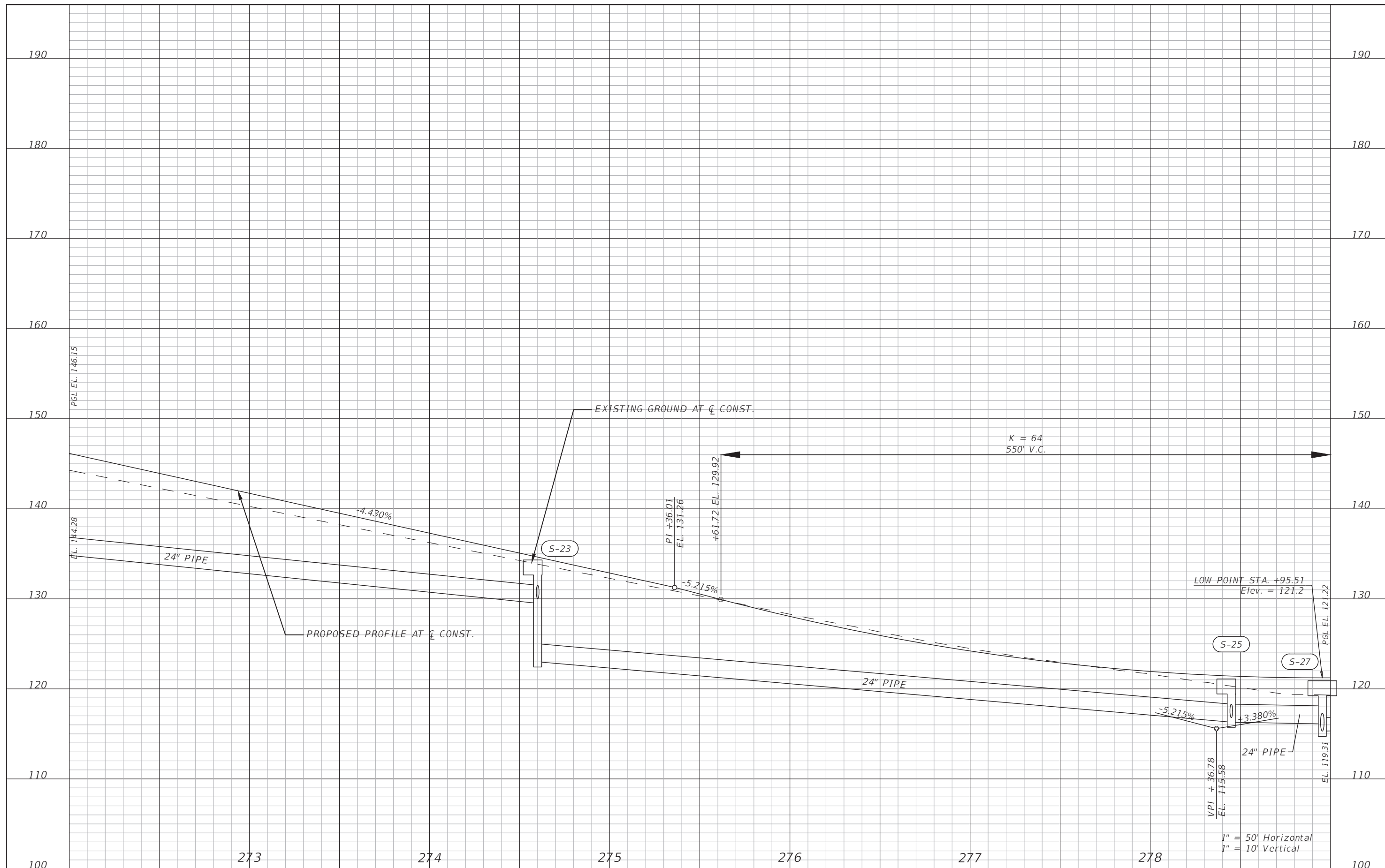
LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	
ROAD	RSQ NO.
CITRUS GROVE ROAD	19-0910

JOHN R BURKETT, P.E. LICENSE NO. 40064
DATE:

**PROFILE SHEET (5)
CITRUS GROVE ROAD**

SHEET NO.
27

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REVISIONS	DATE

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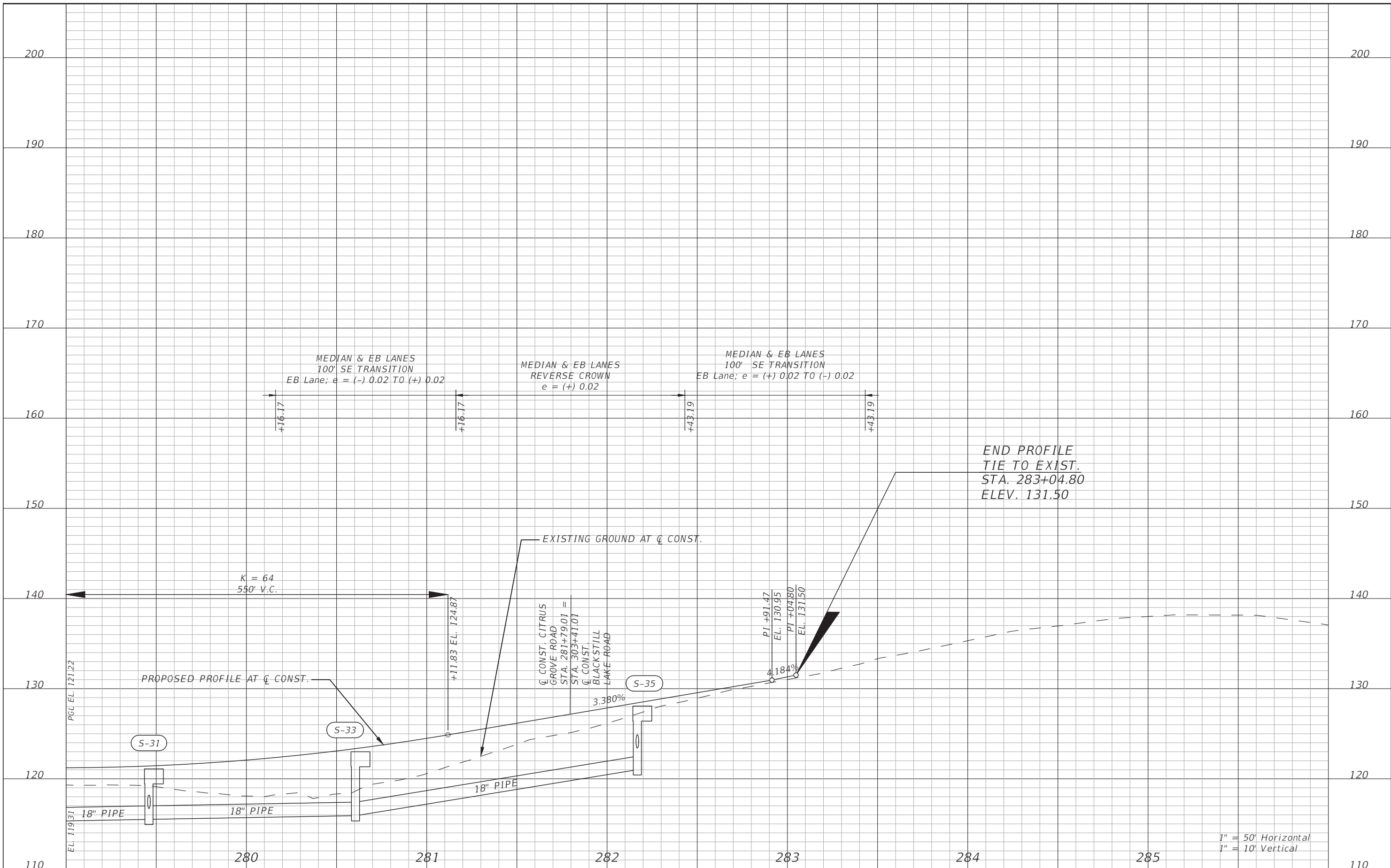
LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
ROAD R50 NO.
CITRUS GROVE ROAD 19-0910

JOHN R BURKETT, P.E. LICENSE NO. 40064
DATE:

PROFILE SHEET (6)
CITRUS GROVE ROAD

SHEET NO.
28

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REVISIONS	DATE

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LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

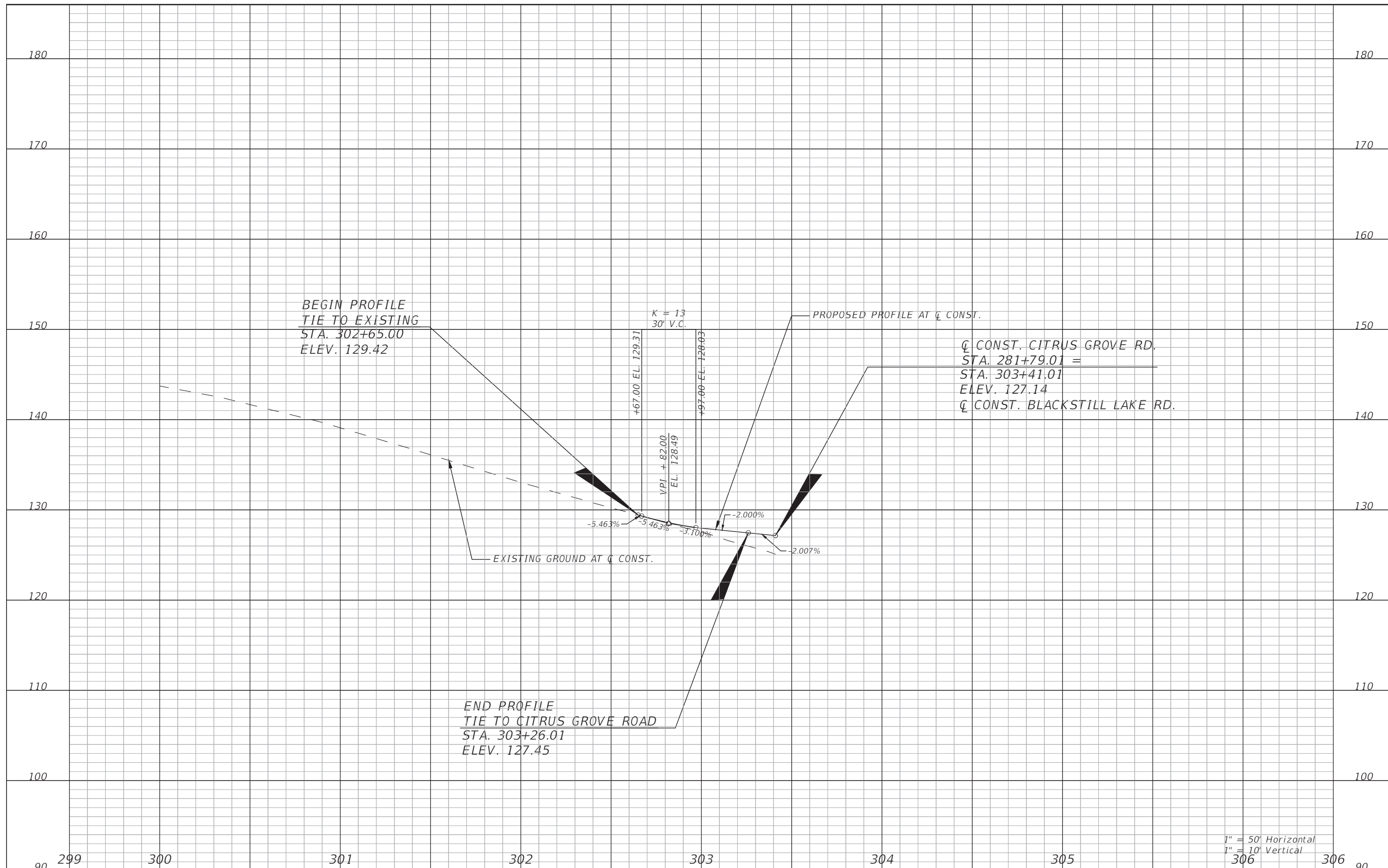
ROAD	RSQ NO.
CITRUS GROVE ROAD	19-0910

JOHN R BURKETT, P.E. LICENSE NO. 40064
DATE:



PROFILE SHEET (7)
CITRUS GROVE ROAD

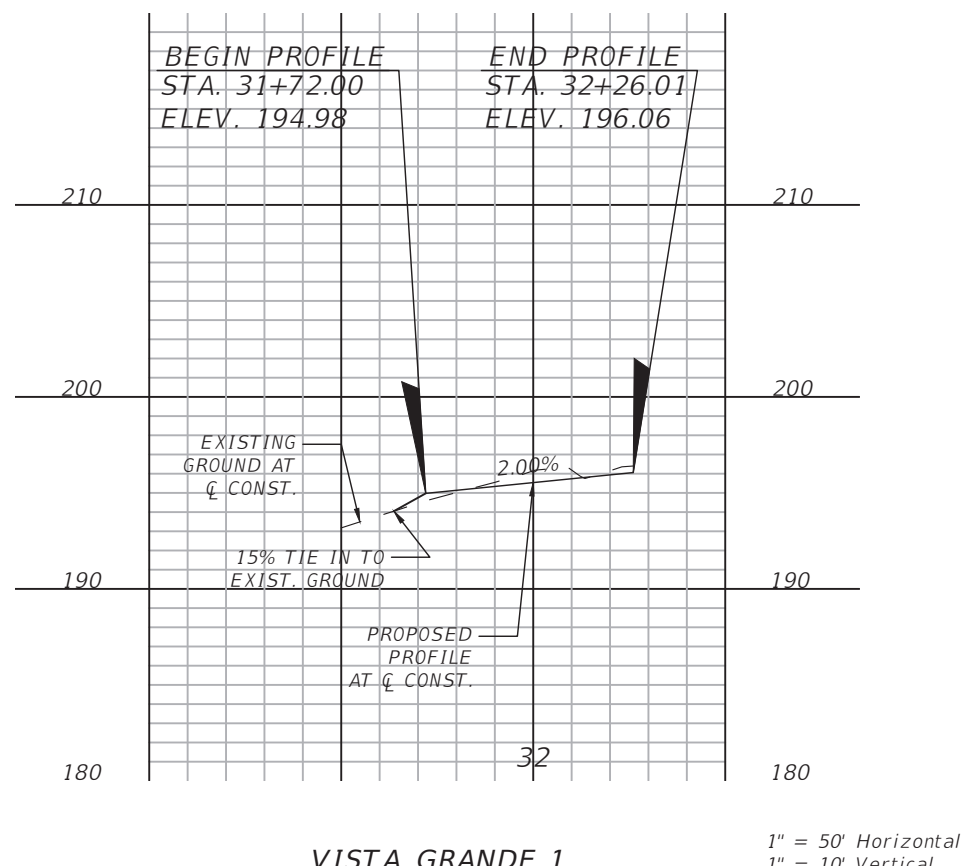
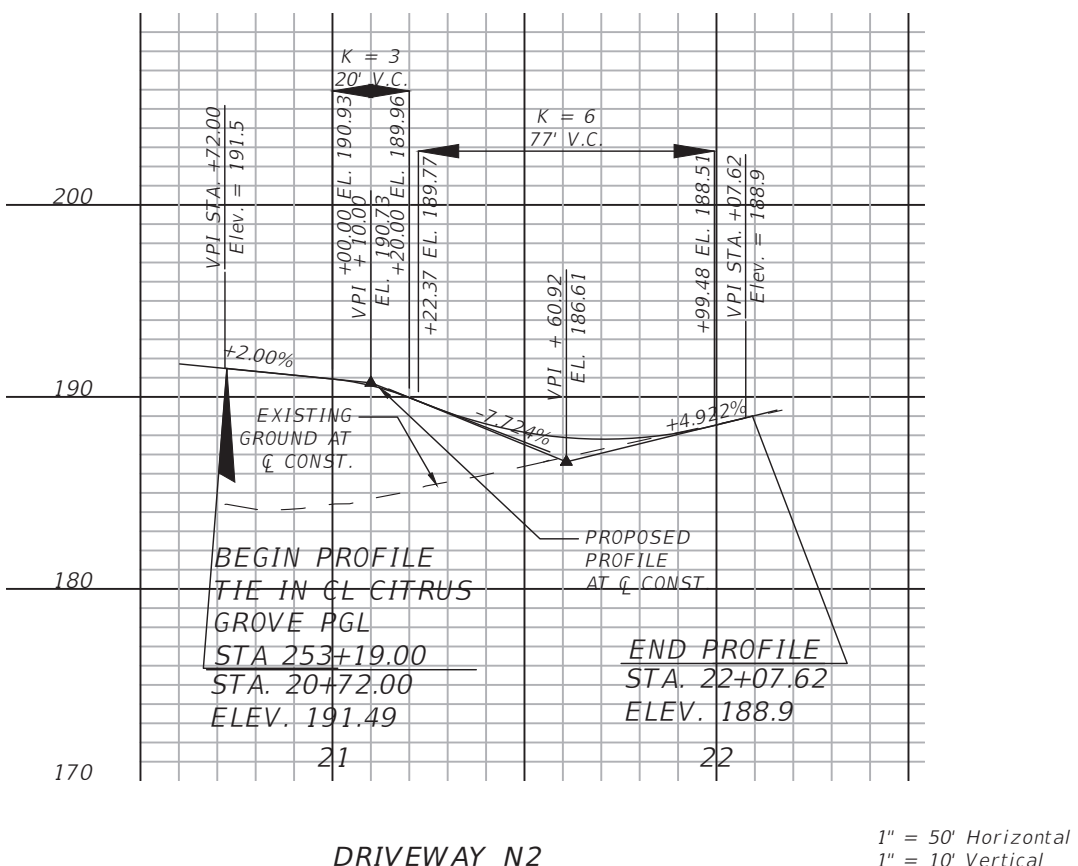
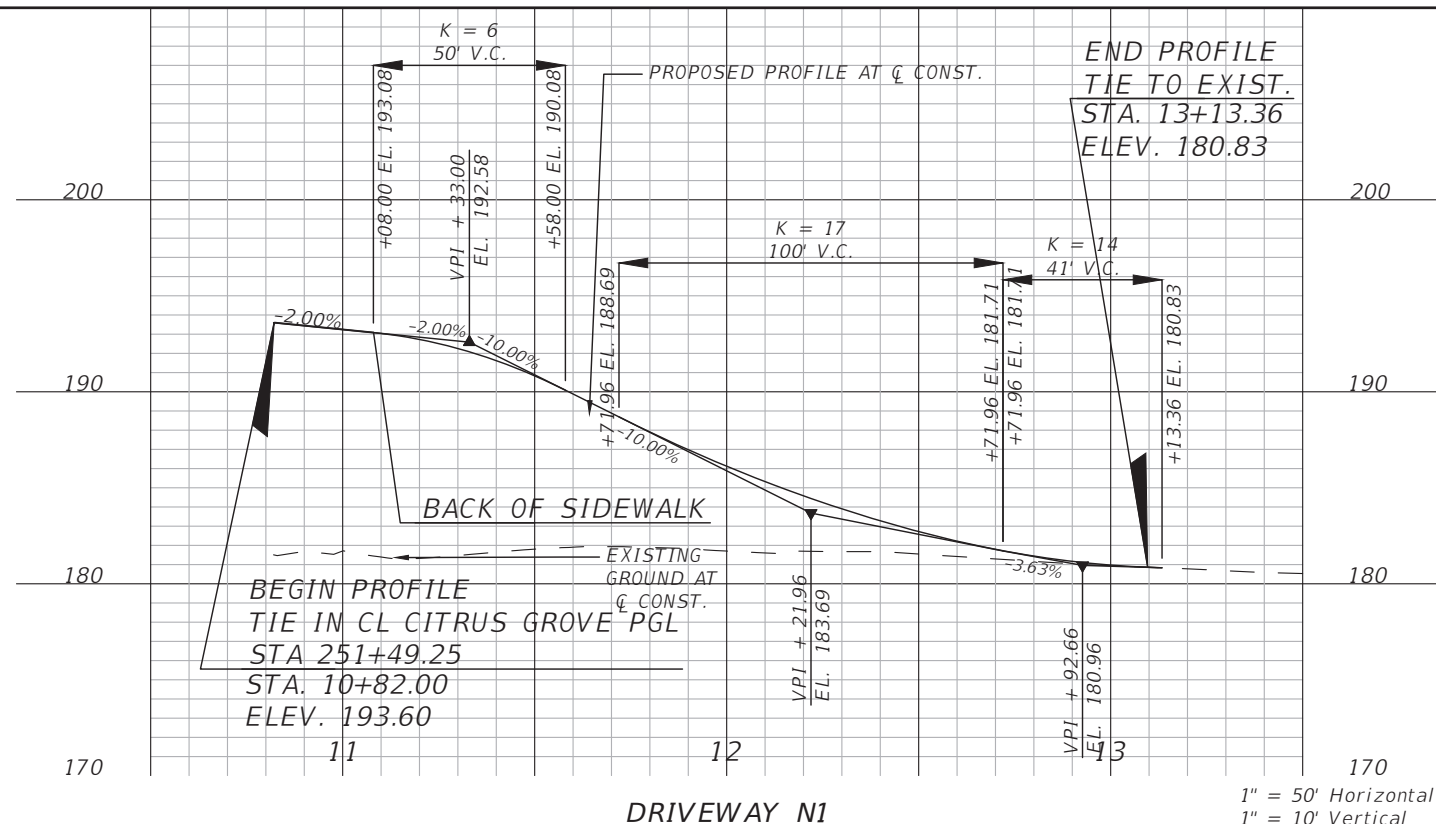
SHEET NO.
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



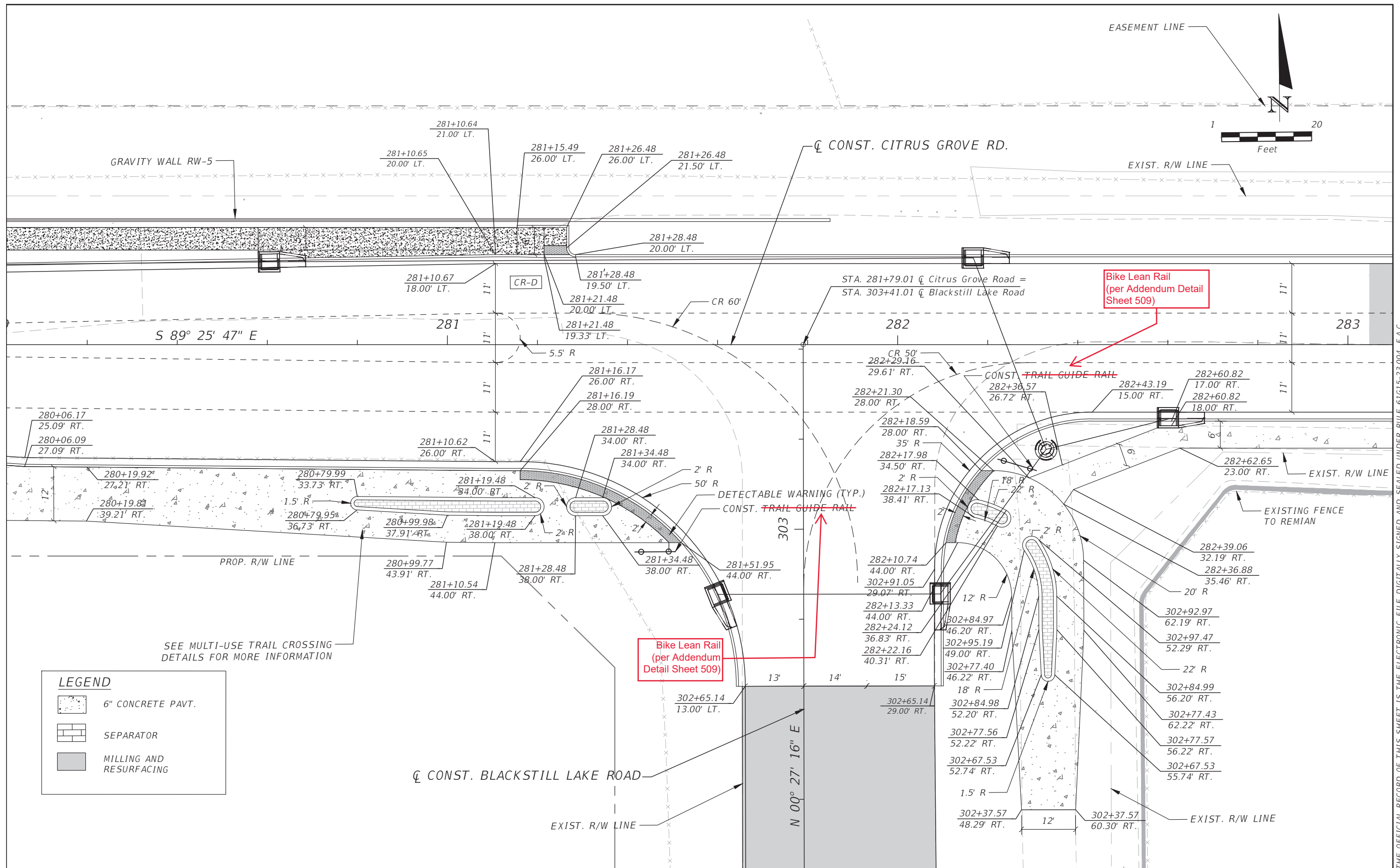
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REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION ROAD	RSO NO. 19-0910	JOHN R. BURKETT, P.E. LICENSE NO. 40064 DATE:	PROFILE SHEET (8) BLACKSTILL LAKE RD.	SHEET NO. 30
				CITRUS GROVE ROAD				






REVISIONS	DATE	 DRMP ENGINEERS/SURVEYORS/LANDSCAPE ARCHITECTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL REAL FLORIDA - REAL CLOSE	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		PROFILE SHEET (9) DRIVEWAYS	SHEET NO. 31
					ROAD CITRUS GROVE ROAD		

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SEE MULTI-USE TRAIL CROSSING
DETAILS FOR MORE INFORMATION

LEGEND

-  6" CONCRETE PAVT.
-  SEPARATOR
-  MILLING AND RESURFACING

REVISIONS	DATE

DRMP
ENGINEERS/SURVEYORS/LANDSCAPE ARCHITECTS
DRMP, INC.
941 LAKE BALDWIN LANE
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LAKE COUNTY, FL
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LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

ROAD	RSO NO.
CITRUS GROVE ROAD	19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
DATE:
Rasha AL Obaydi 4/4/2022 7:15:34 AM

INTERSECTION DETAIL

SHEET NO.
32

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

S-1
 STA 244+40.00 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 179.05
 FL 174.20 E
 FL 174.20 S
 FL 174.20 W

S-10
 STA 253+90.50 (16.83 Rt.)
 Const. Index No. 425-032 - Curb
 & Gutter Barrier Inlet
 Theo. Gutter Line Elev. 190.61
 Structure to Include Resilient
 Connector for Pipe
 FL 185.10 N
 FL 181.00 S

S-17
 STA 263+80.00 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 177.69
 FL 173.30 S
 FL 173.30 W
 FL 170.00 E

S-24
 STA 274+60.00 (17.25 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 134.31
 FL 130.10 N

S-32
 STA 279+46.00 (22.33 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 121.10
 FL 116.80 N

S-2
 STA 244+40.00 (16.83 Rt.)
 Const. Index No. 425-032 - Curb
 & Gutter Barrier Inlet
 Theo. Gutter Line Elev. 178.94
 FL 174.40 N

S-11
 STA 254+41.60 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 6
 EOP Elev. 190.27
 FL 185.40 S
 FL 185.90 E
 FL 185.40 W

S-18
 STA 263+80.00 (17.25 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 177.69
 FL 173.40 N

S-25
 STA 278+45.00 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 121.10
 FL 116.30 W
 FL 116.80 S
 FL 116.30 E

S-33
 STA 280+60.50 (18.38 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 123.00
 FL 115.90 E
 FL 115.90 W

S-3
 STA 247+16.70 (16.87 Lt.)
 Const. Index No. 425-031 -
 Adjacent Barrier Inlet
 Grate Elev. 189.54
 Structure to Include Resilient
 Connector for Pipe
 FL 184.80 S
 FL 184.80 W

S-12
 STA 254+41.60 (16.83 Rt.)
 Const. Index No. 425-032 - Curb
 & Gutter Barrier Inlet
 Theo. Gutter Line Elev. 190.41
 FL 185.50 N

S-19
 STA 266+80.00 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 165.73
 FL 161.40 S
 FL 161.40 W
 FL 156.20 E

S-26
 STA 278+45.00 (17.25 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 121.10
 FL 116.90 N

S-35
 STA 282+16.81 (-19.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 128.06
 FL 123.40 S
 FL 121.00 W

S-4
 STA 247+16.70 (16.87 Rt.)
 Const. Index No. 425-031 -
 Adjacent Barrier Inlet
 Grate Elev. 189.54
 FL 185.00 N

S-13
 STA 254+92.50 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 190.47
 FL 186.10 S
 FL 186.10 W

S-20
 STA 266+80.00 (17.25 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 165.73
 FL 161.50 N

S-27
 STA 278+95.51 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 6
 EOP Elev. 120.90
 FL 115.30 E
 FL 116.10 W
 FL 115.30 S

S-36
 STA 282+32.97 (23.29 Rt.)
 Const. Index No. 425-001 - Type
 8 Manhole (Concentric Cone)
 Rim Elev. 129.70
 FL 123.50 SW
 FL 123.50 E
 FL 123.50 N

S-6
 STA 253+10.93 (94.39 Rt.)
 Const. Index No. 430-011 -
 U-Type Concrete Endwall With
 Baffles (1:4 Slope)
 FL 176.00 N

S-14
 STA 254+92.50 (18.91 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 190.44
 FL 186.20 N

S-21
 STA 270+70.00 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 151.13
 FL 146.80 S
 FL 146.30 W
 FL 137.50 E

S-28
 STA 278+95.51 (18.97 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 6
 EOP Elev. 120.87
 FL 115.20 N
~~FL 112.20 S~~ **115.20 S**

S-38
 STA 282+60.17 (16.25 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 129.59
 FL 125.30 W

S-8
 STA 253+10.93 (45.34 Rt.)
 Const. Index No. 425-001 - Type
 8 Manhole (Concentric Cone)
 Rim Elev. 183.66
 FL 179.60 E
 FL 176.20 S

S-15
 STA 260+80.00 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 189.74
 FL 185.40 S
 FL 185.40 E

S-22
 STA 270+70.00 (17.25 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 151.13
 FL 146.90 N

S-30
 STA 278+95.51 (92.78 Rt.)
 Const. Index No. 430-011 -
 U-Type Concrete Endwall With
 Baffles (1:4 Slope)
~~FL 112.00 N~~ **115.00 N**

S-40
 STA 302+85.56 (30.31 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 128.06
 FL 123.70 W
 FL 123.70 NE

S-9
 STA 253+90.50 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 190.47
 FL 185.20 E
 FL 185.20 S



S-16
 STA 260+80.00 (17.71 Rt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 189.73
 FL 185.50 N

S-23
 STA 274+60.00 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Left)
 EOP Elev. 134.31
 FL 130.00 S
 FL 129.50 W
 FL 123.00 E

S-31
 STA 279+46.00 (17.25 Lt.)
 Const. Index No. 425-021 - Curb
 Inlet Type 5 (Right)
 EOP Elev. 121.10
 FL 115.50 E
 FL 116.70 S
 FL 115.50 W

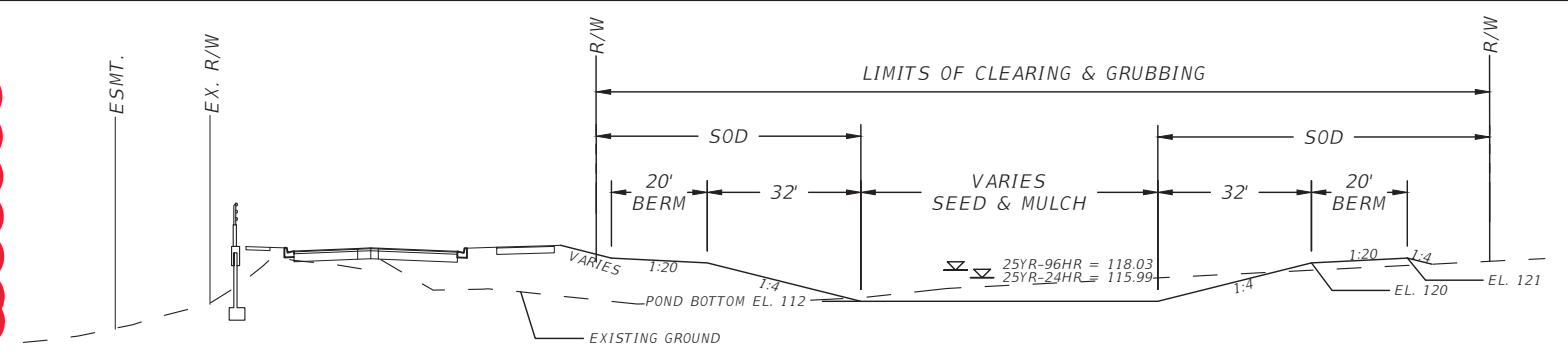
S-42 S-44
 See Pond Detail Sheet

S-34 S-46 S-47 S-49 S-101 S-103
 See respective plan sheet

REVISIONS	DATE	 DRMP <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA • REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		JOHN L. MINTON, P.E. LICENSE NO. 54657 DATE:	DRAINAGE STRUCTURE TABULATION	SHEET NO.
				ROAD	RSQ NO.			33
				CITRUS GROVE ROAD	19-0910			

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Pond WRA-3 has already been built. It will not need to be built with this roadway plan.

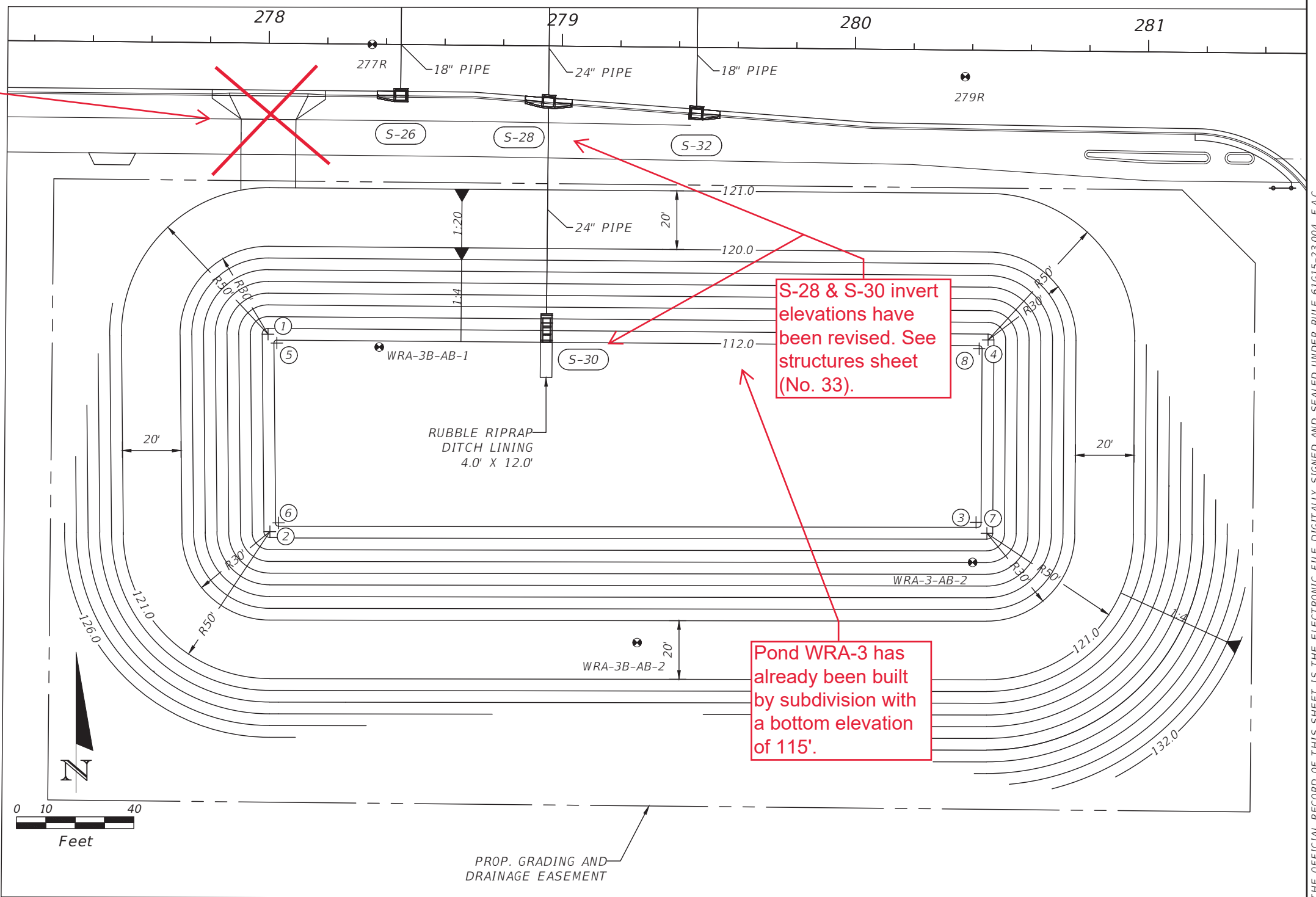


Turnout NOT to be built

POND CONTROL POINTS			
ID	STATION	OFFSET (FT)	RADIUS (FT)
1	278+00.56	99.29 RT	30.00
2	278+01.88	166.63 RT	50.00
3	280+42.73	161.09 RT	1.00
4	280+46.22	98.82 RT	50.00
5	278+03.62	102.28 RT	1.00
6	278+04.80	163.63 RT	1.00
7	280+46.46	164.77 RT	30.00
8	280+43.22	101.83 RT	1.00

NOTES:

- INITIAL CONSTRUCTION OF THE POND SHALL BE TO ROUGH GRADE BY UNDER-EXCAVATING THE POND BOTTOM AND SIDE SLOPES BY APPROXIMATELY 12 INCHES.
- AFTER THE DRAINAGE AREA CONTRIBUTING TO THE POND HAS BEEN FULLY STABILIZED, THE INTERIOR SIDE SLOPES AND POND BOTTOM SHALL BE EXCAVATED TO FINAL DESIGN SPECIFICATIONS (LINES AND GRADES). THE EXCESS SOIL AND UNSUITABLE MATERIAL SHALL BE CAREFULLY EXCAVATED AND REMOVED FROM THE POND SO THAT ALL ACCUMULATED SILTS, CLAYS, AND ORGANICS AND OTHER FINE SEDIMENT MATERIAL ARE REMOVED FROM THE POND AREA. THE EXCAVATED MATERIAL SHOULD BE DISPOSED OF BEYOND THE LIMITS OF THE PROJECT.
- ONCE THE POND HAS BEEN EXCAVATED TO FINAL GRADE, THE ENTIRE POND BOTTOM SHOULD BE DEEP RAKED A MINIMUM OF 2' AND LOOSENED FOR OPTIMAL INFILTRATION AND SEED AND MULCHED.
- NO FILL OR OTHER CONSTRUCTION MATERIALS SHALL BE STORED AND/OR PLACED WITHIN THE LIMITS OF THE POND EXCAVATION/FILL AREAS.

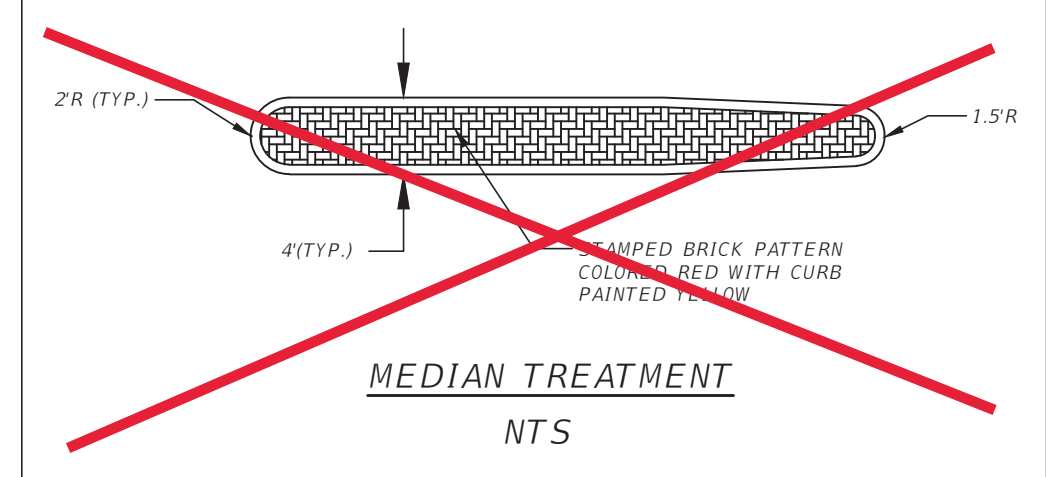
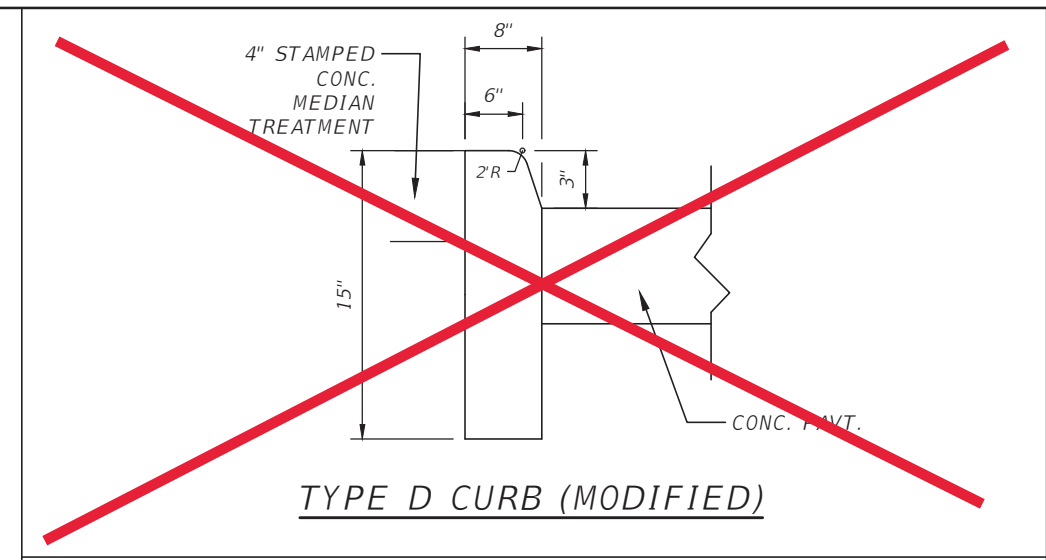
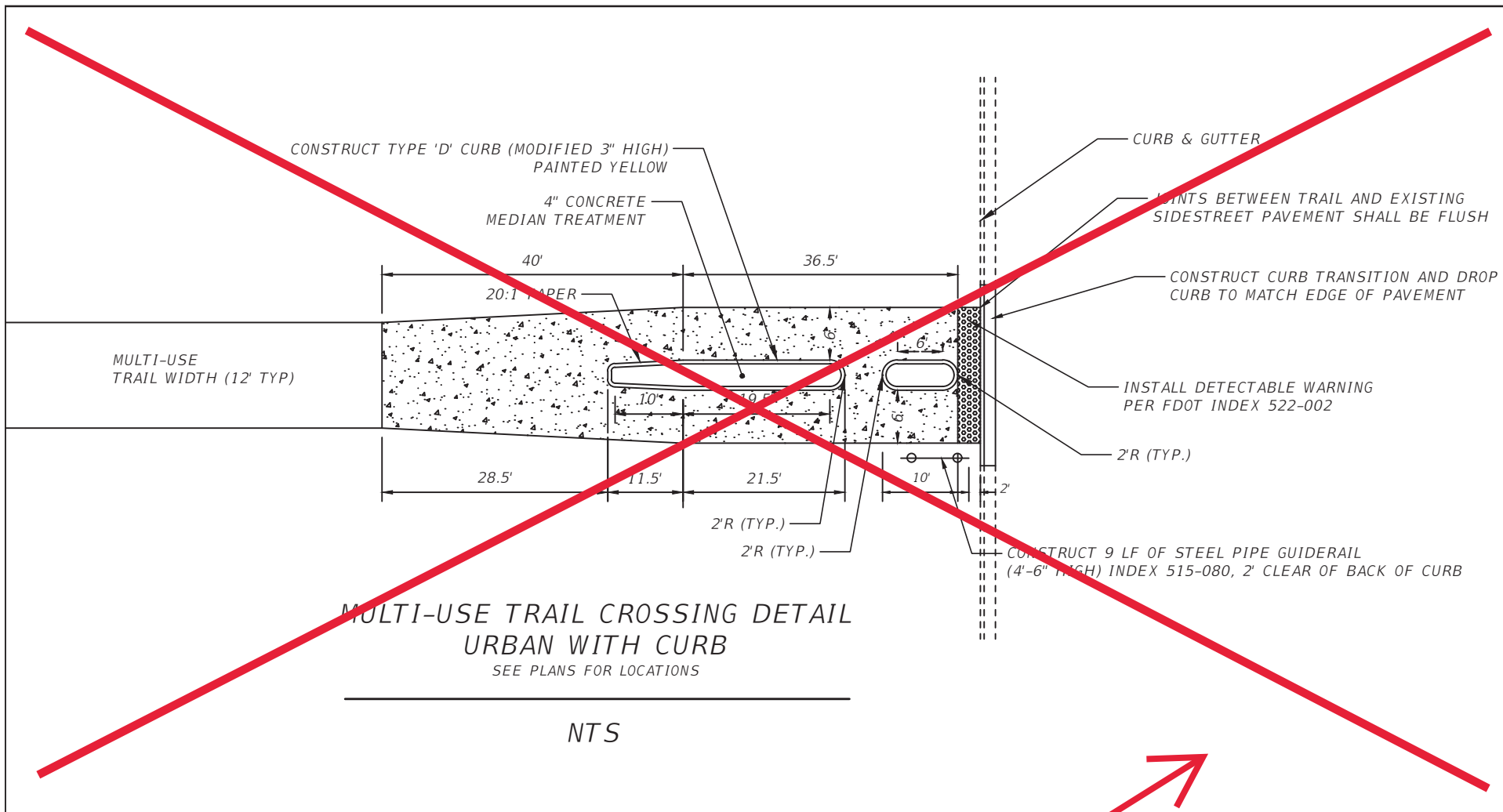


S-28 & S-30 invert elevations have been revised. See structures sheet (No. 33).

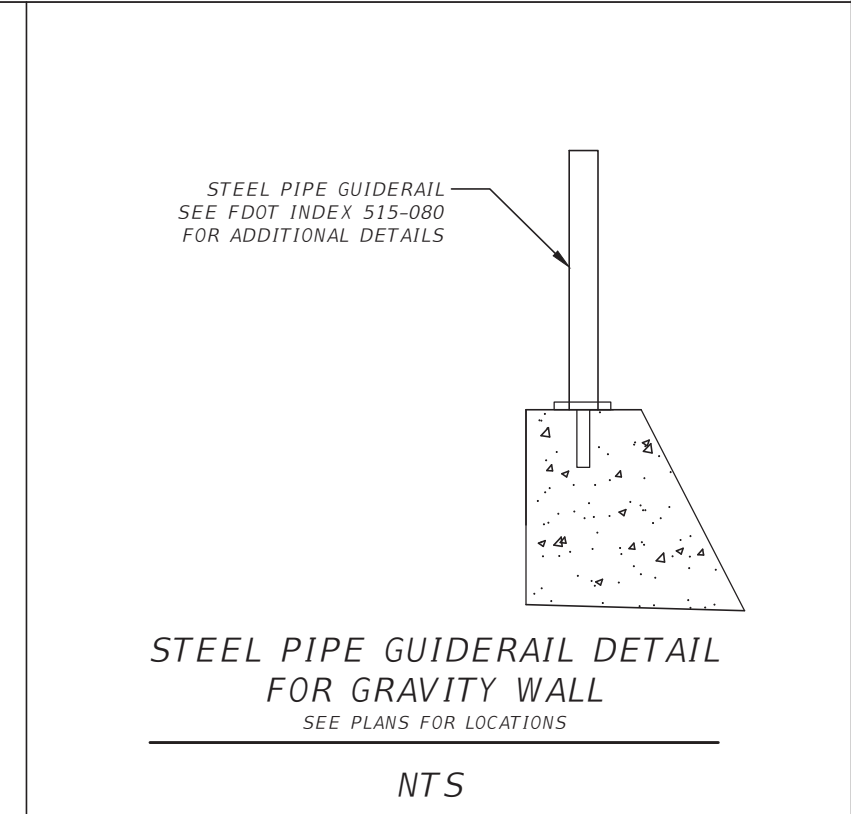
Pond WRA-3 has already been built by subdivision with a bottom elevation of 115'.

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

<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	DATE			<p>DRMP ENGINEERS, ARCHITECTS, PLANNERS, SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836</p>	<p>LAKE COUNTY, FL REAL FLORIDA · REAL CLOSE</p>	<p>LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION</p> <table border="1"> <tr> <td>ROAD</td> <td>RSQ NO.</td> </tr> <tr> <td>CITRUS GROVE ROAD</td> <td>19-0910</td> </tr> </table>	ROAD	RSQ NO.	CITRUS GROVE ROAD	19-0910	<p>JOHN L. MINTON, P.E. LICENSE NO. 54657 DATE: 11/22/2021 3:48:28 PM</p>	<p>POND DETAIL WRA-3</p>	<p>SHEET NO. 35</p>
REVISIONS	DATE													
ROAD	RSQ NO.													
CITRUS GROVE ROAD	19-0910													

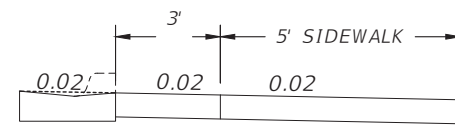
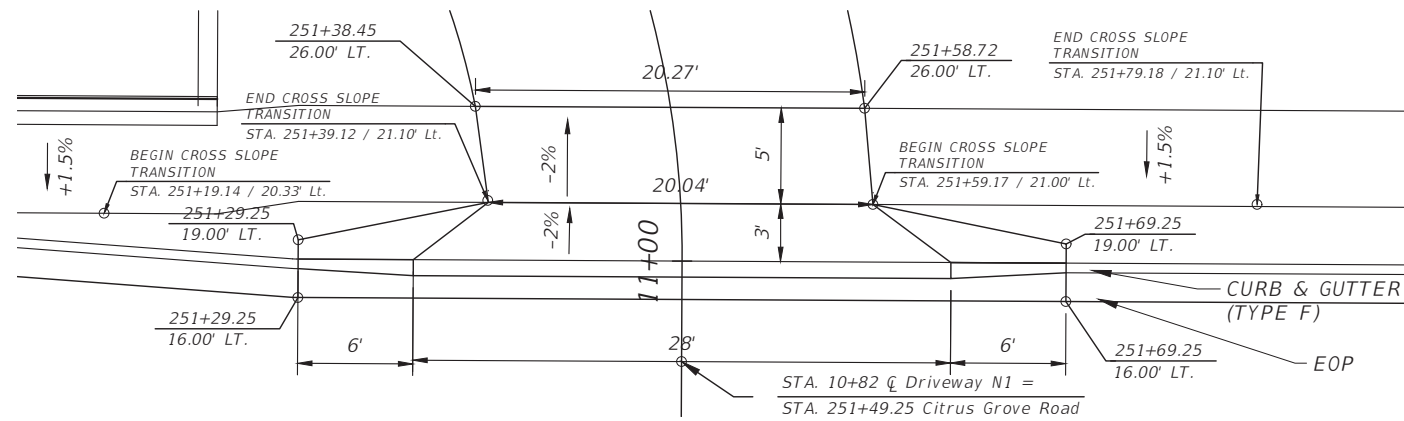


FOR THE MULTI-USE TRAIL CROSSING, TYPE "D" CURB (MODIFIED) AND MEDIAN TREATMENT DETAIL, REFER TO (USE) ADDEMDUM DETAIL SHEET 509

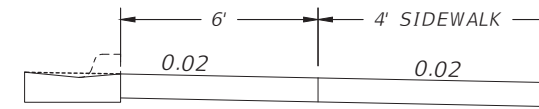
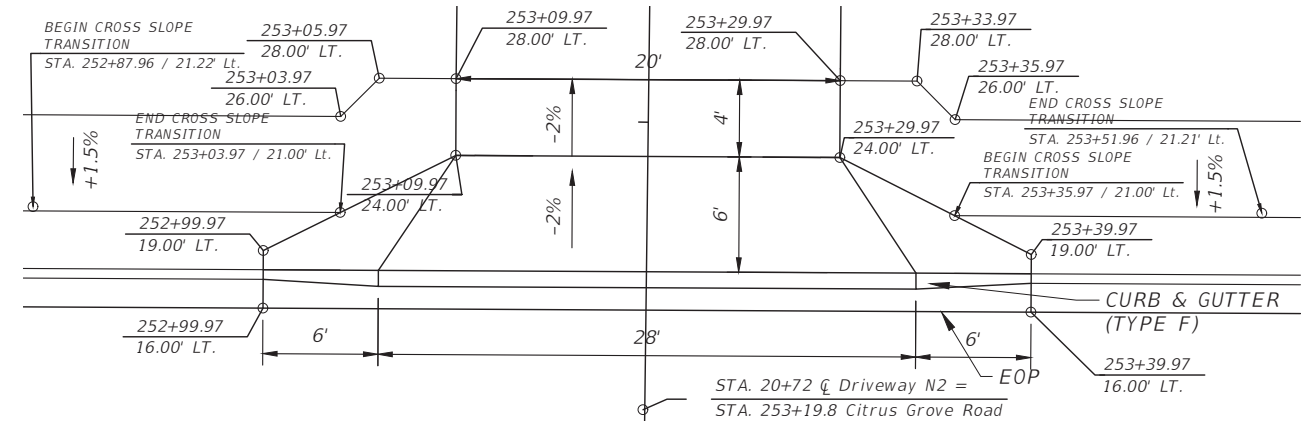


REVISIONS	DATE	<p>DRMP ENGINEERS SURVEYORS PLANNERS SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836</p>	<p>LAKE COUNTY, FL REAL FLORIDA REAL CLOSE</p>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		JOHN R. BURKETT, P.E. LICENSE NO. 40064 DATE:	SHEET NO. 36
				ROAD	RSQ NO.		

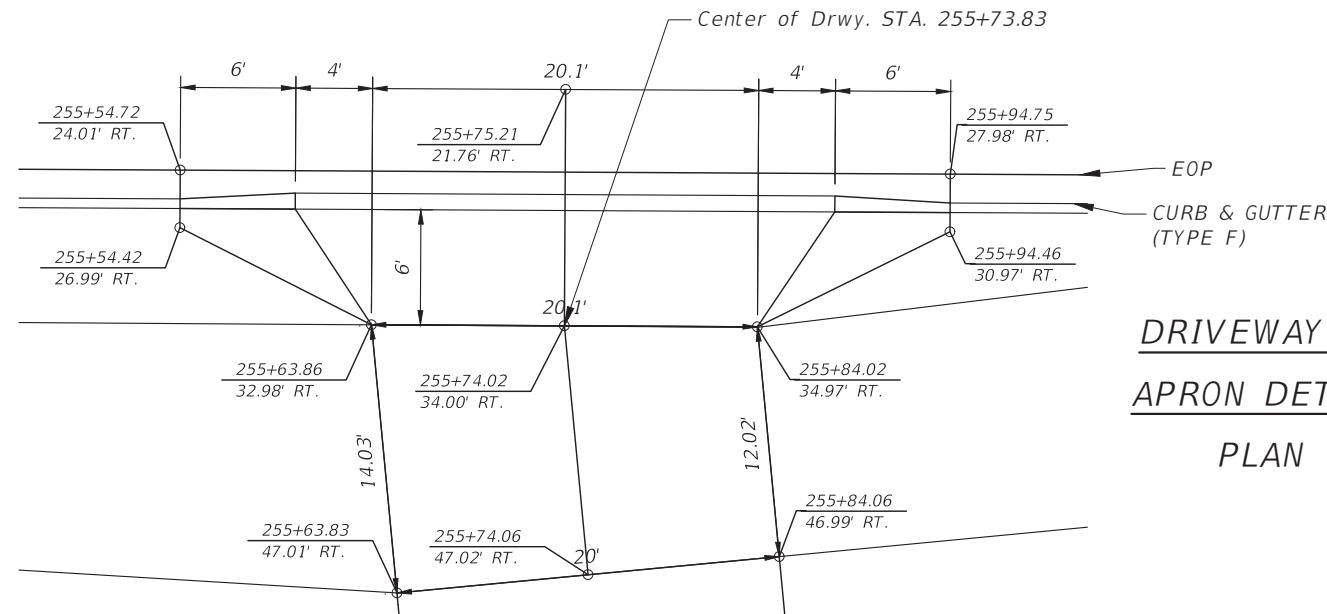
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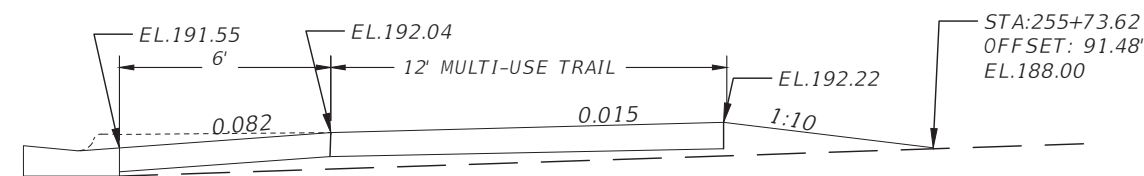
**DRIVEWAY N1
APRON DETAIL
PLAN & SECTION**



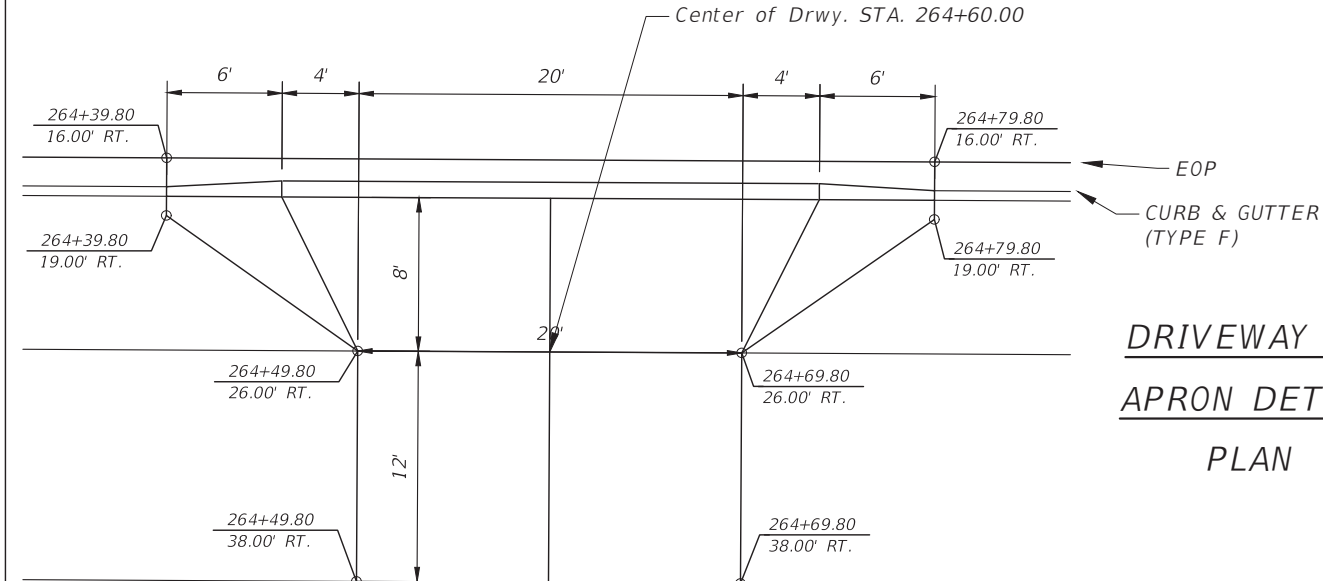
**DRIVEWAY N2
APRON DETAIL
PLAN & SECTION**



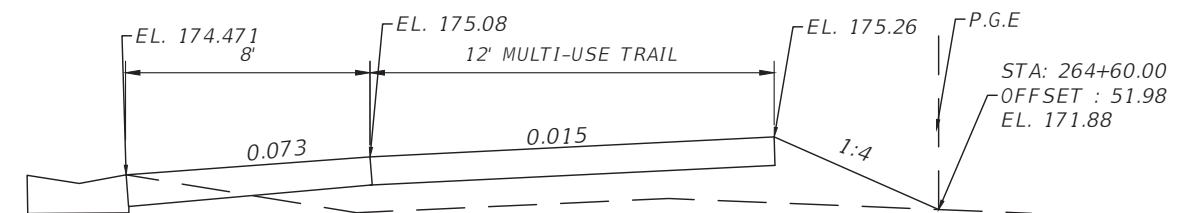
**DRIVEWAY S1
APRON DETAIL
PLAN**



**DRIVEWAY S1
APRON DETAIL
SECTION**



**DRIVEWAY S2
APRON DETAIL
PLAN**



**DRIVEWAY S2
APRON DETAIL
SECTION**

NOTES:

1) ALL STATION AND OFFSETS ARE IN REFERENCE TO \varnothing CONST. CITRUS GROVE RD. UNLESS OTHERWISE NOTED.

REVISIONS	DATE	<p>DRMP ENGINEERS, ARCHITECTS, PLANNERS, SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836</p>	<p>LAKE COUNTY, FL REAL FLORIDA • REAL CLOSE</p>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		<p>SPECIAL DETAIL</p>	SHEET NO.	
				ROAD	RSQ NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064 DATE:	37
				CITRUS GROVE ROAD	19-0910			

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

CITRUS GROVE ROAD
DESIGN PHASE V
FROM SR 91 TO BLACKSTILL ROAD
CROSS SECTION OF SOIL SURVEY

DATE OF SURVEY: 11/19 - 05/20
SURVEY MADE BY: PFEIFFER, LARKINS
SUBMITTED BY: ALEXANDRA G. AYDELOTTE, P.E.

DISTRICT: FIVE
ROAD NO.: CITRUS GROVE
COUNTY: LAKE



SURVEY BEGINS STA. : 242+63 SURVEY ENDS STA. : 287+28

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENTAGE PASSING					ATTERBERG LIMITS (%)			SOIL CLASSIFICATION		DESCRIPTION	CORROSION TEST RESULTS				
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	% MOISTURE	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTICITY INDEX	AASHTO GROUP			NO. OF TESTS	RESISTIVITY ohms cm	CHLORIDE ppm	SULFATES ppm
1	--	--	--	--	8(4)	99-100	73-83	26-35	5-12	2-5	--	--	--	A-3	LIGHT BROWN TO DARK BROWN, LIGHT ORANGE-BROWN TO ORANGE-BROWN FINE SAND TO FINE SAND WITH SILT	3	23,315-35,702	BDL	BDL-6	5.9-7.7
2	--	--	3	9-10	3(4)	98-100	66-84	28-65	9-29	6-20	1	NP	NP	A-3 A-2-4	LIGHT BROWN TO BROWN, LIGHT ORANGE-BROWN TO ORANGE-BROWN FINE SAND WITH CLAY TO CLAYEY FINE SAND	--	--	--	--	--

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE, MAKE FINAL CHECK AFTER GRADING

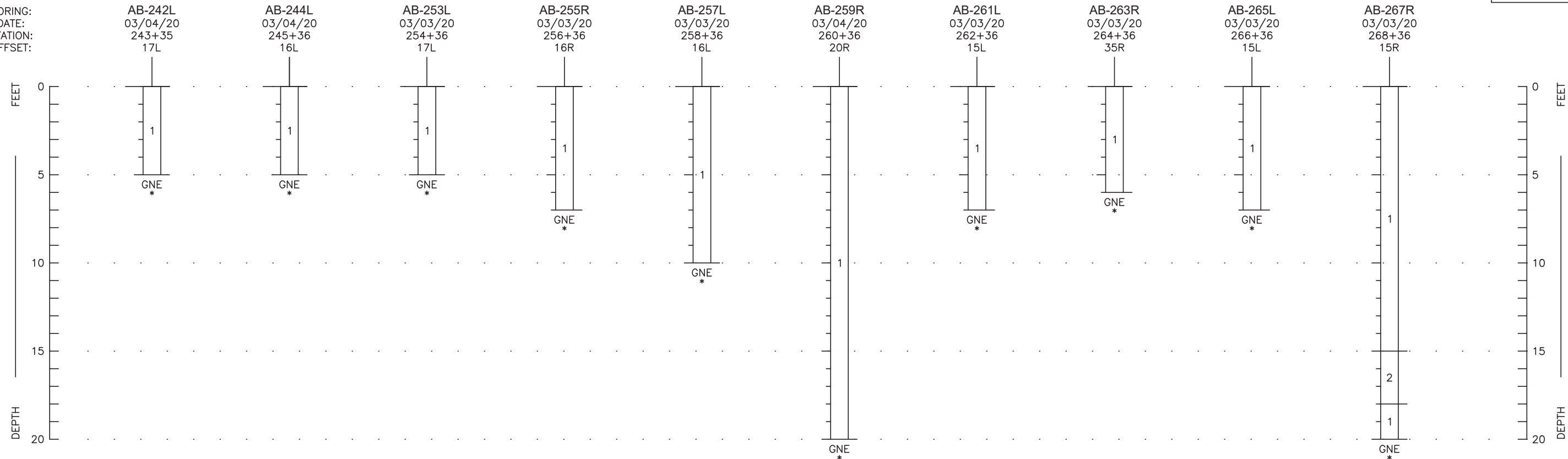
- SOIL BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE SECTION 120-3.
- GNE DENOTES GROUNDWATER NOT ENCOUNTERED. ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL BELOW BOTTOM OF BORING SHOWN AS "*".
- REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN THE ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH STANDARD PLANS INDEX NO. 120-002, UNLESS OTHERWISE SHOWN ON THE PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX NO. 120-001 FOR FDOT DESIGN STANDARDS.
- SOIL PARAMETER NOT TESTED DENOTED AS "--" ABOVE.
- STRATA NOS. 1 AND 2 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS INDICES 120-002 AND 120-001.
- STRATUM NO. 2 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
- "NP" DENOTES NON-PLASTIC. () DENOTES PERCENT FINES TESTS ONLY. "BDL" DENOTES BELOW DETECTABLE LIMIT.

REVISIONS	DATE		LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		 Ardaman & Associates, Inc. 8008 S. Orange Avenue Orlando, FL 32809 Certificate of Authorization No: 5950 ALEXANDRA G. AYDELOTTE, P.E. LICENSE NO. 86461 DATE:	SOIL SURVEY	SHEET NO.
----	----		ROAD	R50 NO.			38
			CITRUS GROVE ROAD	19-0910			

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FIGURE 5



BORING:
DATE:
STATION:
OFFSET:



LEGEND

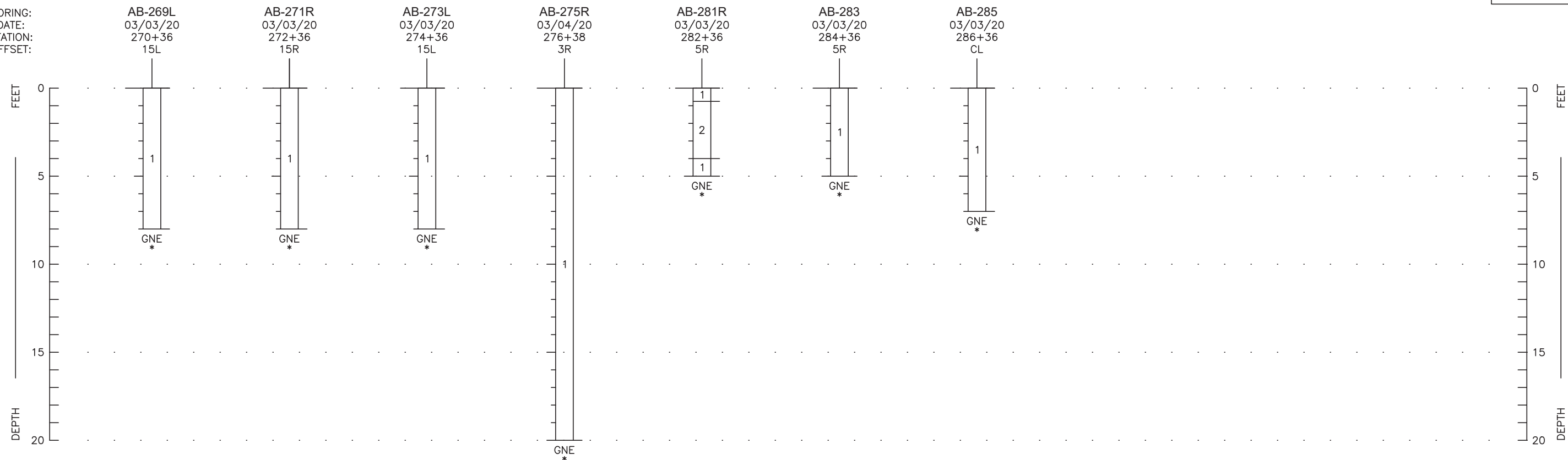
- GNE GROUNDWATER NOT ENCOUNTERED ON DATE DRILLED
- * ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVEL BELOW BOTTOM OF BORING
- AOGS AT OR ABOVE GROUND SURFACE
- APPROXIMATE STATION AND OFFSET REFERENCED TO CENTERLINE CITRUS GROVE ROAD

STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A-3	FINE SAND TO FINE SAND WITH SILT
2	A-3 A-2-4	FINE SAND WITH CLAY TO CLAYEY FINE SAND

REVISIONS ----- ----- ----- -----	DATE ----- ----- ----- -----	 LAKE COUNTY, FL <small>REAL FLORIDA - REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION <hr/> ROAD: CITRUS GROVE ROAD RSO NO.: 19-0910	 Ardaman & Associates, Inc. 8008 S. Orange Avenue Orlando, FL 32809 Certificate of Authorization No: 5950 ALEXANDRA G. AYDELOTTE, P.E. LICENSE NO. 86461 DATE:	<h2>ROADWAY BORING PROFILES</h2>	SHEET NO. 39
--	---	---	---	--	----------------------------------	------------------------

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BORING:
DATE:
STATION:
OFFSET:



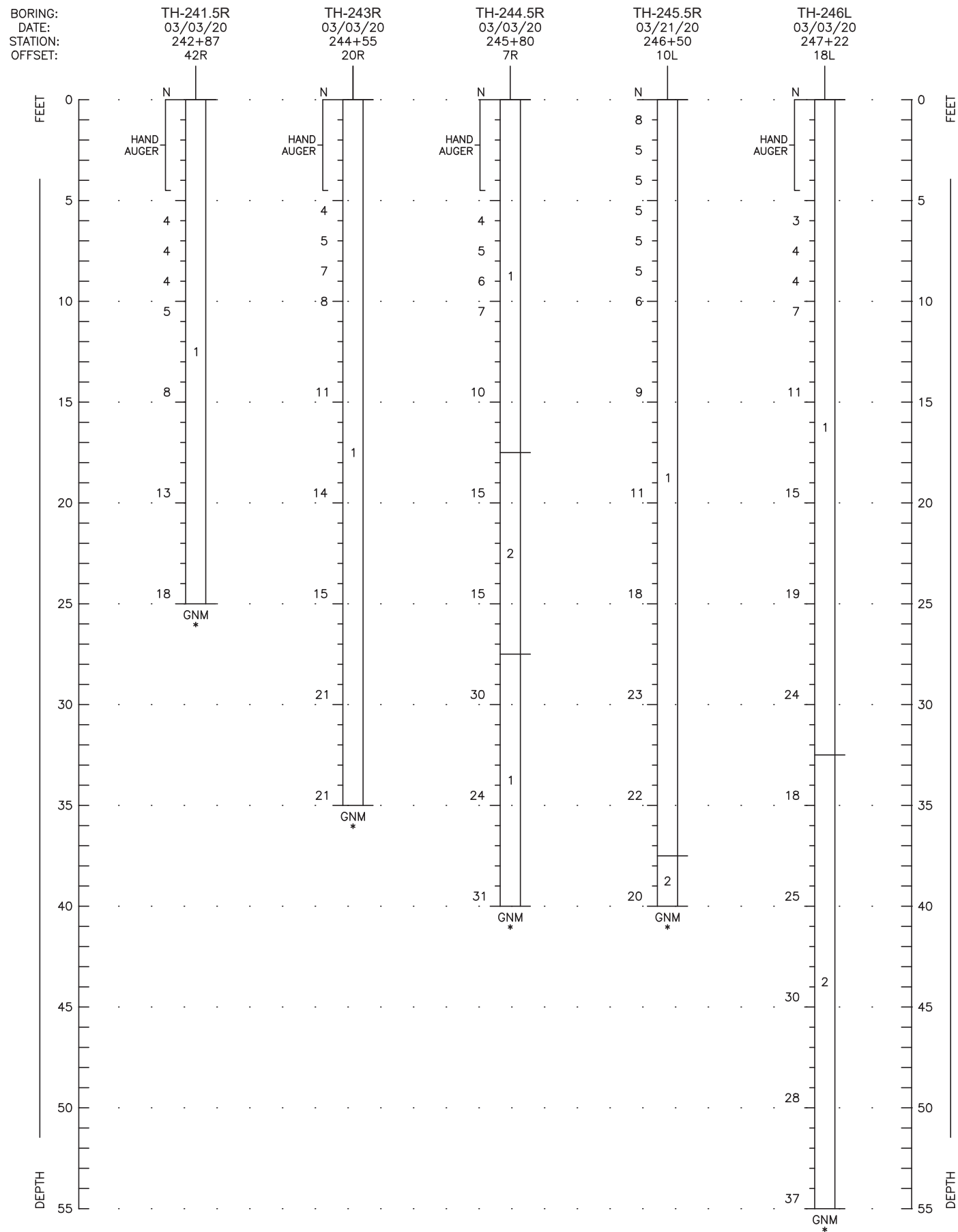
LEGEND

- GNE GROUNDWATER NOT ENCOUNTERED ON DATE DRILLED
- * ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVEL BELOW BOTTOM OF BORING
- AOGS AT OR ABOVE GROUND SURFACE
- APPROXIMATE STATION AND OFFSET REFERENCED TO CENTERLINE CITRUS GROVE ROAD

STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A-3	FINE SAND TO FINE SAND WITH SILT
2	A-3 A-2-4	FINE SAND WITH CLAY TO CLAYEY FINE SAND

<p>REVISIONS</p>		<p>DATE</p>	<p>LAKE COUNTY, FL REAL FLORIDA - REAL CLOSE</p>	<p>LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION</p>	<p>Ardaman & Associates, Inc. 8008 S. Orange Avenue Orlando, FL 32809 Certificate of Authorization No: 5950 ALEXANDRA G. AYDELOTTE, P.E. LICENSE NO. 86461 DATE:</p>	<p>ROADWAY BORING PROFILES</p>	<p>SHEET NO.</p>
							<p>40</p>

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LEGEND

- GNM GROUNDWATER NOT MEASURED ON DATE DRILLED
- * ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVEL BELOW BOTTOM OF BORING
- AOGS AT OR ABOVE GROUND SURFACE
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- APPROXIMATE STATION AND OFFSET REFERENCED TO CENTERLINE CITRUS GROVE ROAD

STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A-3	FINE SAND TO FINE SAND WITH SILT
2	A-3 A-2-4	FINE SAND WITH CLAY TO CLAYEY FINE SAND

REVISIONS	DATE



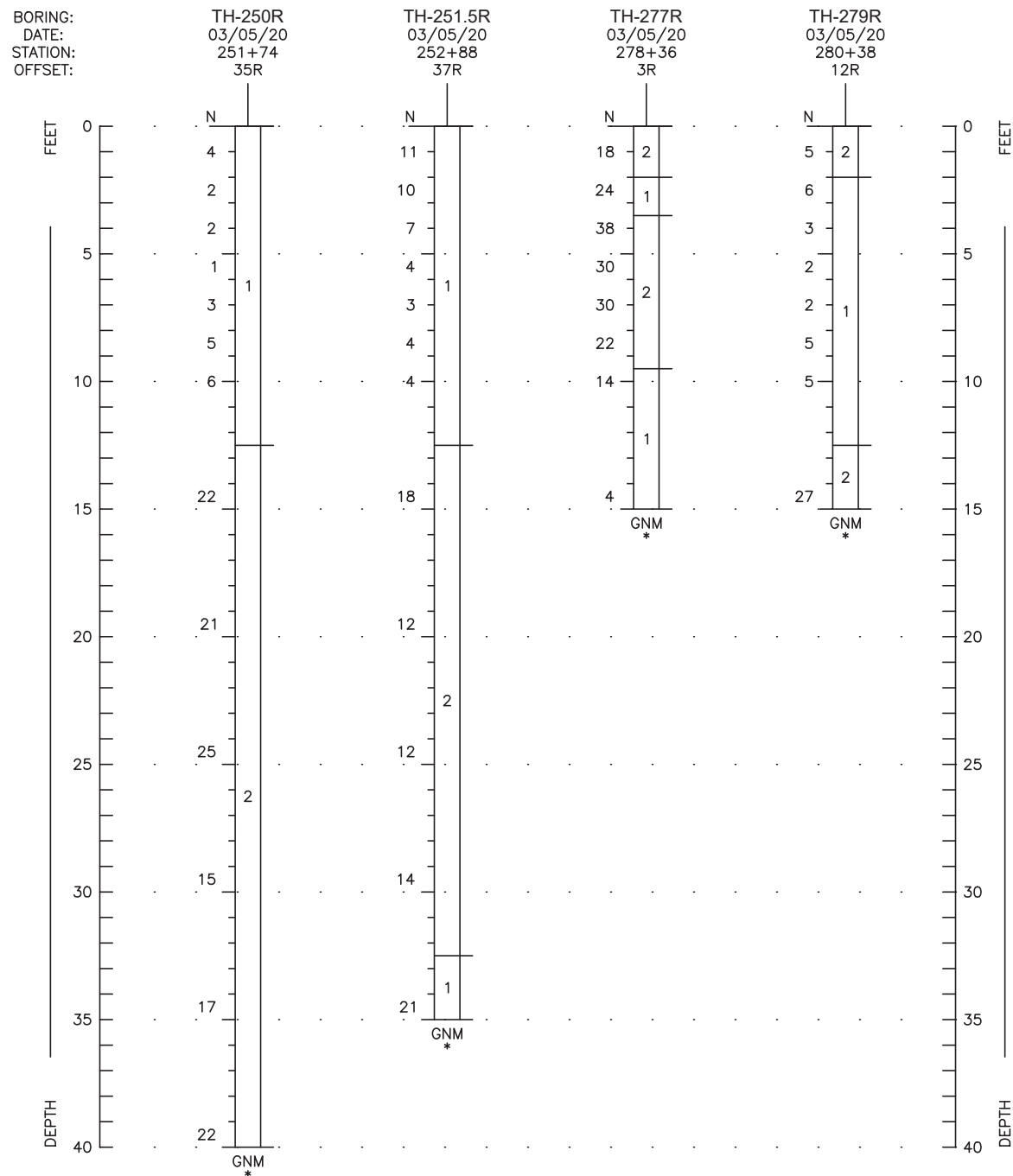
LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
ROAD R50 NO.
CITRUS GROVE ROAD 19-0910

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, FL 32809
Certificate of Authorization No: 5950
ALEXANDRA G. AYDELOTTE, P.E. LICENSE NO. 86461
DATE:

ROADWAY BORING PROFILES

SHEET NO.
41

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LEGEND

- GNM GROUNDWATER NOT MEASURED ON DATE DRILLED
- * ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVEL BELOW BOTTOM OF BORING
- AOGS AT OR ABOVE GROUND SURFACE
- N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT
- APPROXIMATE STATION AND OFFSET REFERENCED TO CENTERLINE CITRUS GROVE ROAD

STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A-3	FINE SAND TO FINE SAND WITH SILT
2	A-3 A-2-4	FINE SAND WITH CLAY TO CLAYEY FINE SAND

REVISIONS	DATE



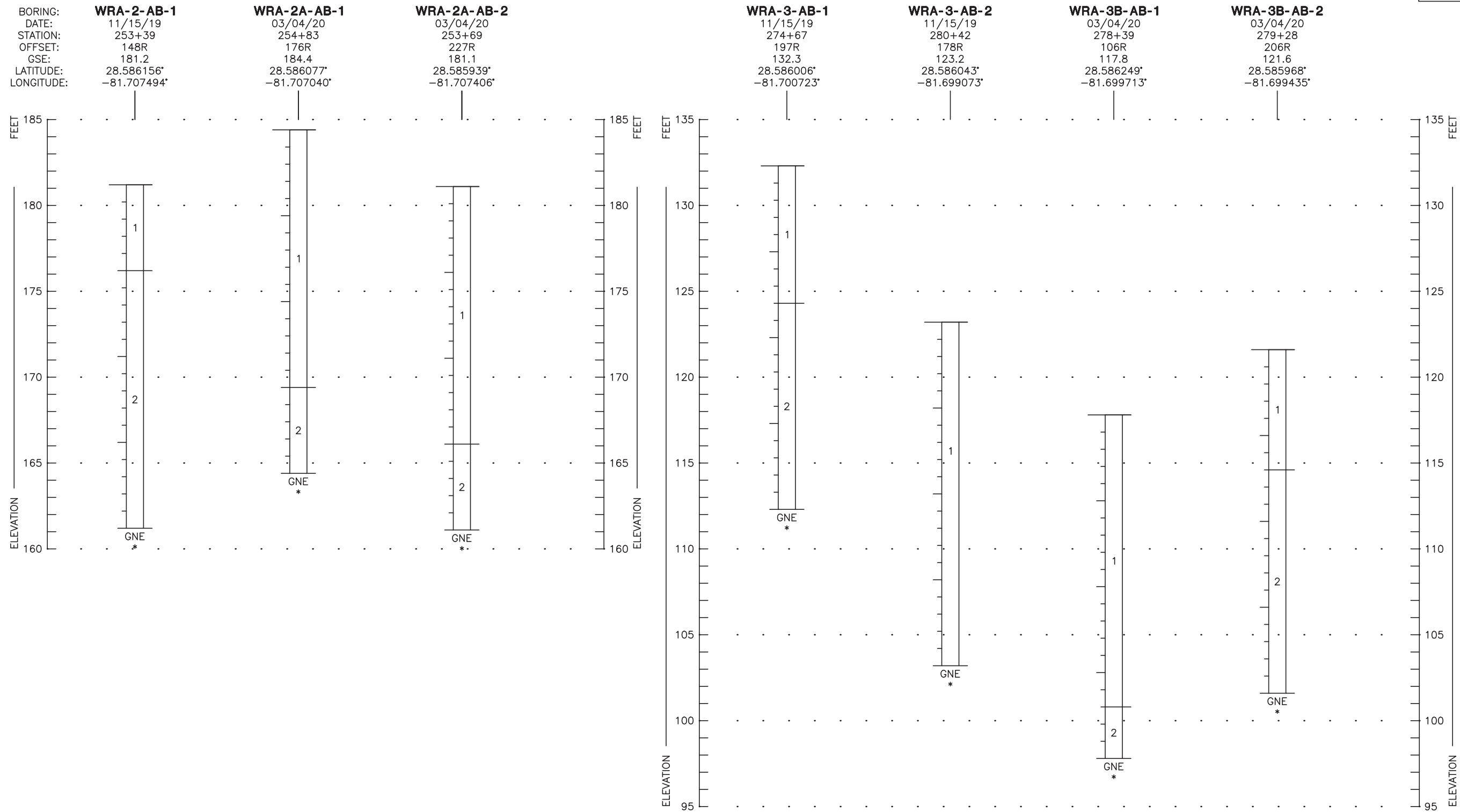
LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
ROAD: CITRUS GROVE ROAD
RSO NO.: 19-0910

Ardaman & Associates, Inc.
8008 S. Orange Avenue
Orlando, FL 32809
Certificate of Authorization No: 5950
ALEXANDRA G. AYDELOTTE, P.E. LICENSE NO. 86461
DATE:

ROADWAY BORING PROFILES

SHEET NO.
42



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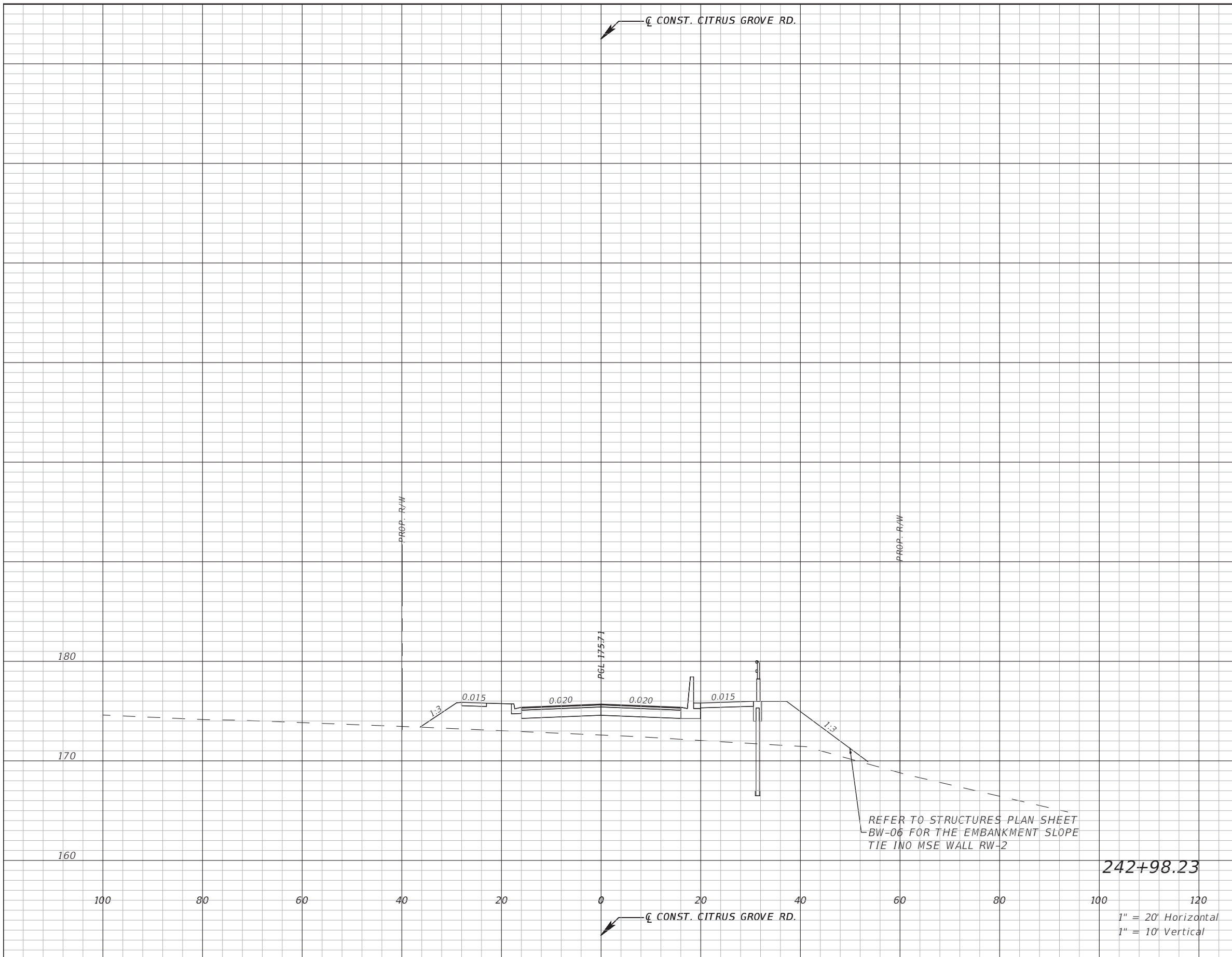
STRATUM NO.	AASHTO GROUP	GENERAL DESCRIPTION
1	A-3	FINE SAND TO FINE SAND WITH SILT
2	A-3, A-2-4	FINE SAND WITH CLAY TO CLAYEY FINE SAND

LEGEND

- GSE SURVEYED GROUND SURFACE ELEVATION (FEET)
 - GNE GROUNDWATER NOT ENCOUNTERED ON DATE DRILLED
 - * ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER LEVEL BELOW BOTTOM OF BORING
- LATITUDE AND LONGITUDE COORDINATES OBTAINED FROM HANDHELD GPS UNIT.
 APPROXIMATE STATION AND OFFSET REFERENCED TO CENTERLINE CITRUS GROVE ROAD

REVISIONS ----- _____ _____ _____	DATE ----- _____ _____ _____	 LAKE COUNTY, FL REAL FLORIDA - REAL CLOSE	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION ROAD: CITRUS GROVE ROAD RSO NO.: 19-0910	 Ardaman & Associates, Inc. 8008 S. Orange Avenue Orlando, FL 32809 Certificate of Authorization No: 5950 ALEXANDRA G. AYDELOTTE, P.E. LICENSE NO. 86461 DATE:	<h2 style="margin: 0;">POND BORING PROFILES</h2>	SHEET NO. 43
---	--	--	--	---	--	-----------------

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

DRMP
 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
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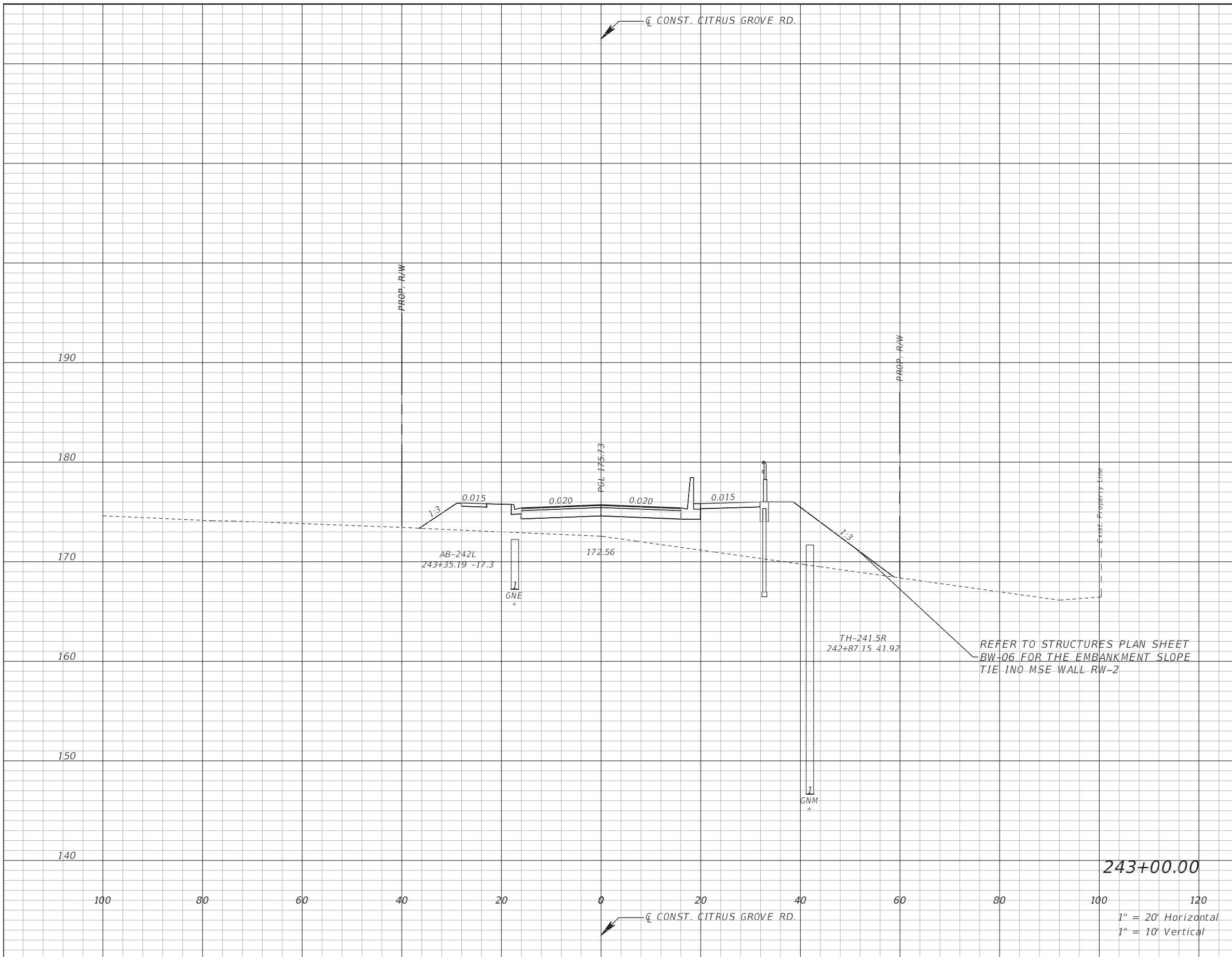
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION

SHEET NO.
 44

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

DRMP
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 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
 REAL FLORIDA REAL CLOSE

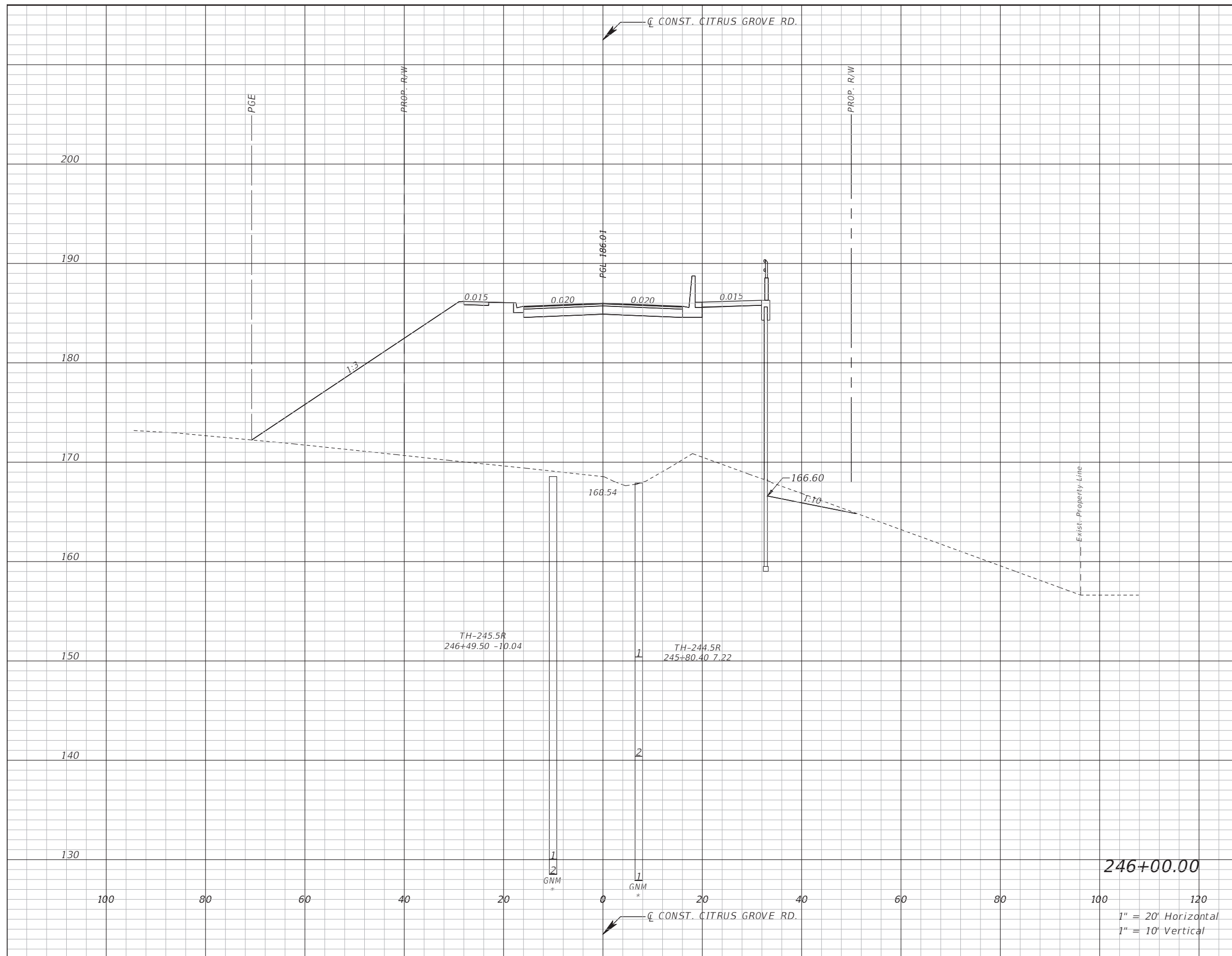
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
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CROSS SECTION

SHEET NO.
 45

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

DRMP
 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836



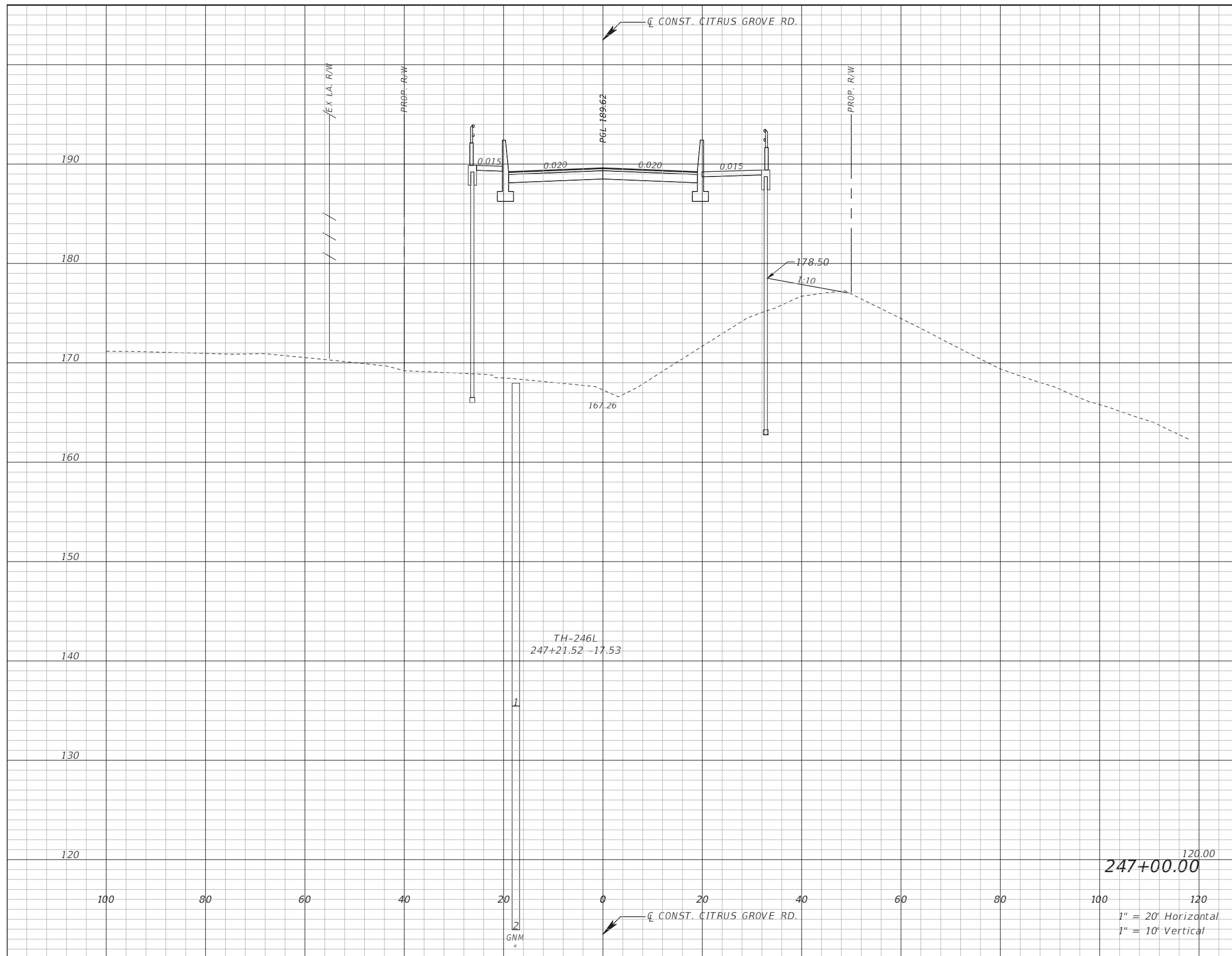
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
 Rasha AL Obaydi 11/10/2021 8:21:12 PM

CROSS SECTION

SHEET NO.
 48

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE
---	---

DRMP
 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836



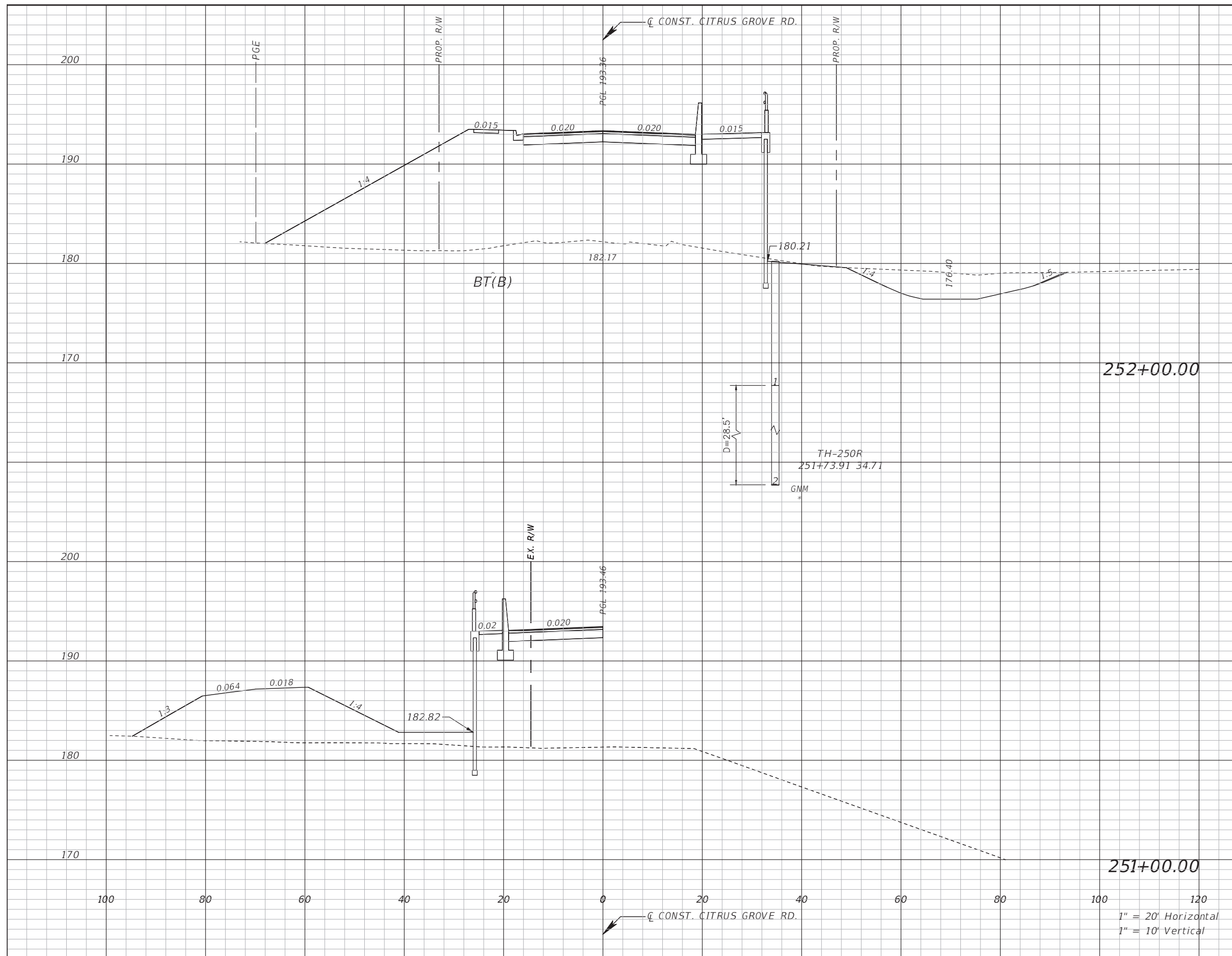
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
 Rasha AL Obaydi 11/10/2021 8:21:17 PM

CROSS SECTION

SHEET NO.
49

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

DRMP
 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
 REAL FLORIDA REAL CLOSE

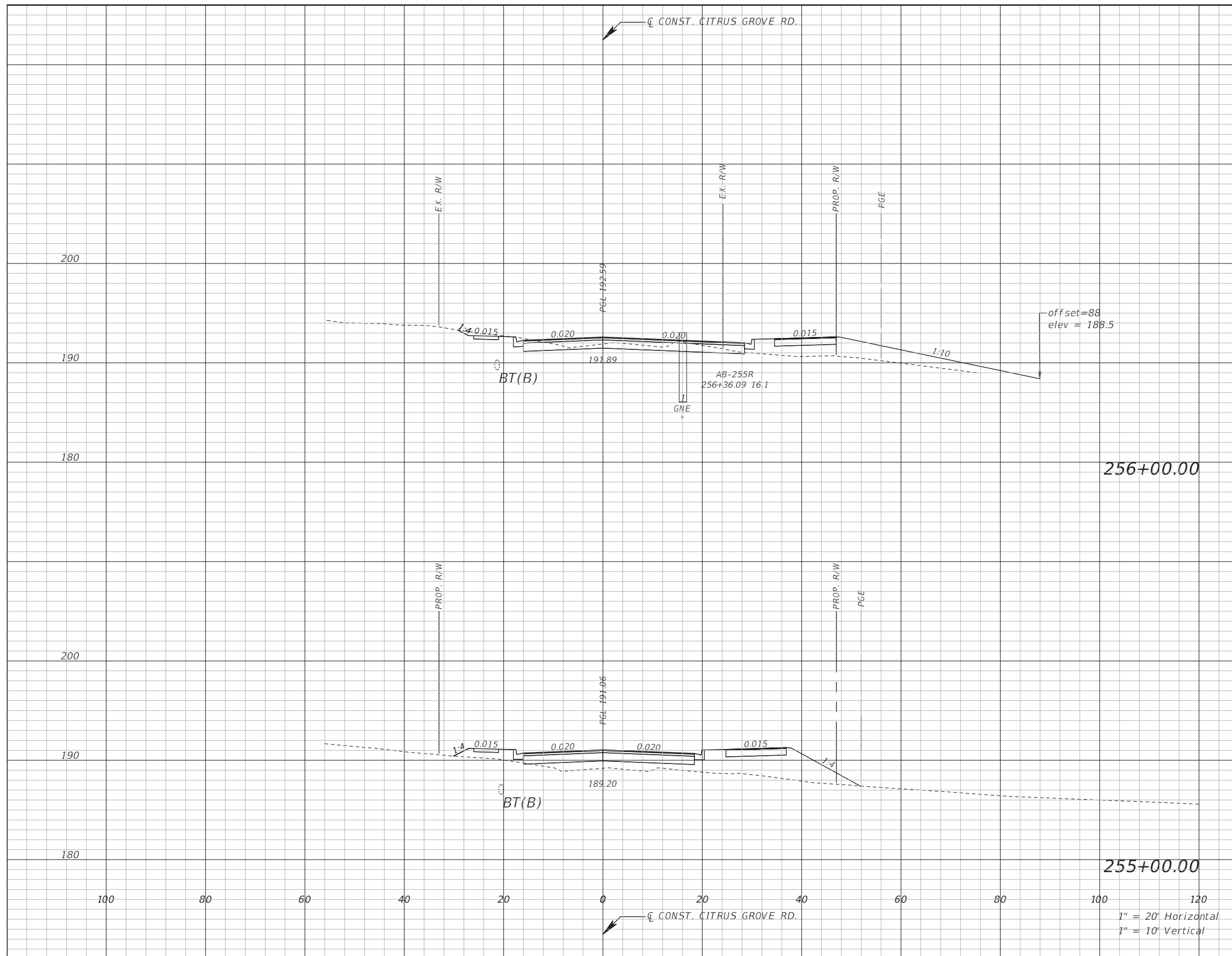
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
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 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
 Rasha AL Obaydi 11/10/2021 8:21:22 PM

CROSS SECTION

SHEET NO.
 50

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

DRMP
 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
 REAL FLORIDA · REAL CLOSE

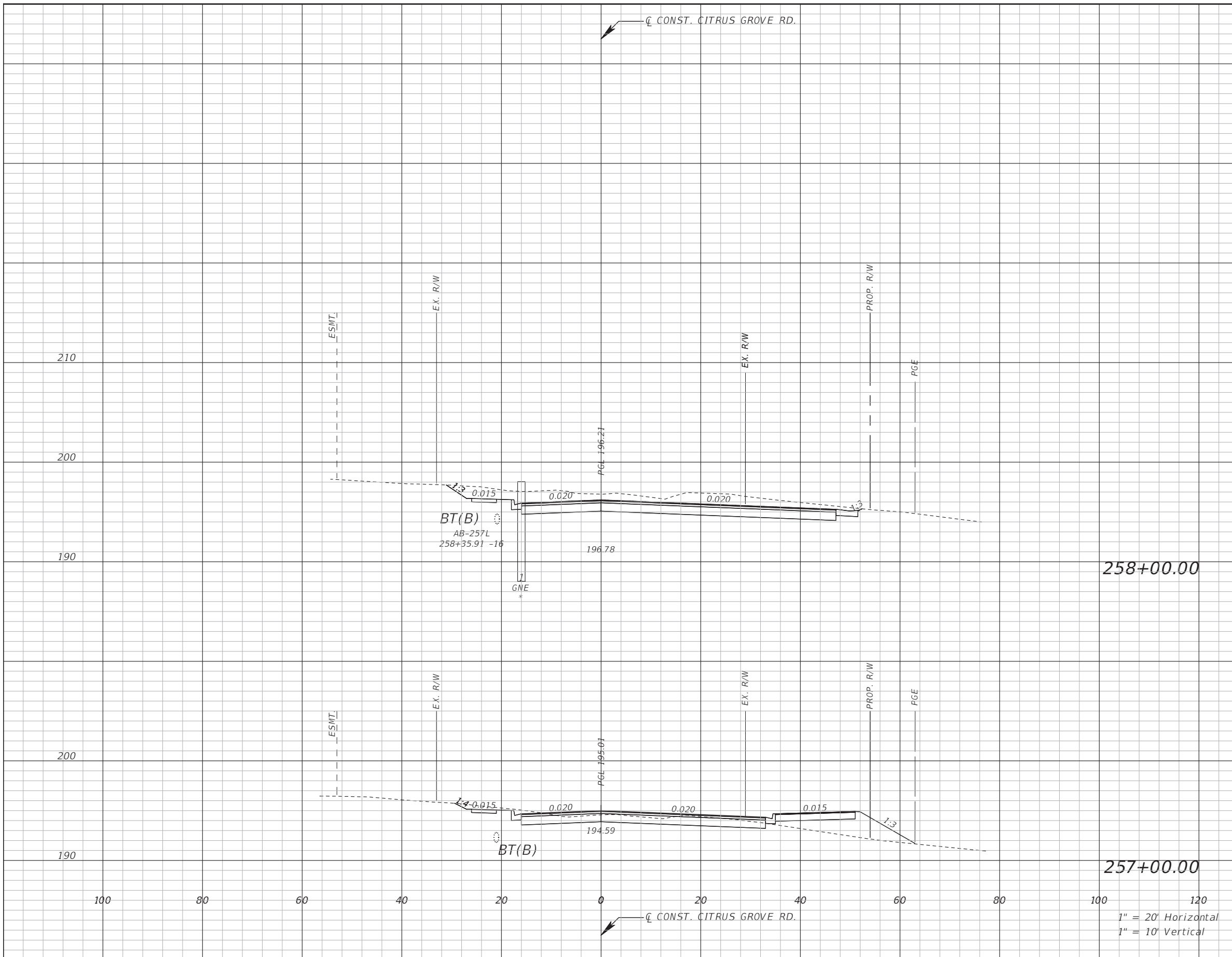
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
 Rasha AL Obaydi 11/10/2021 8:21:33 PM

CROSS SECTION

SHEET NO.
 52

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

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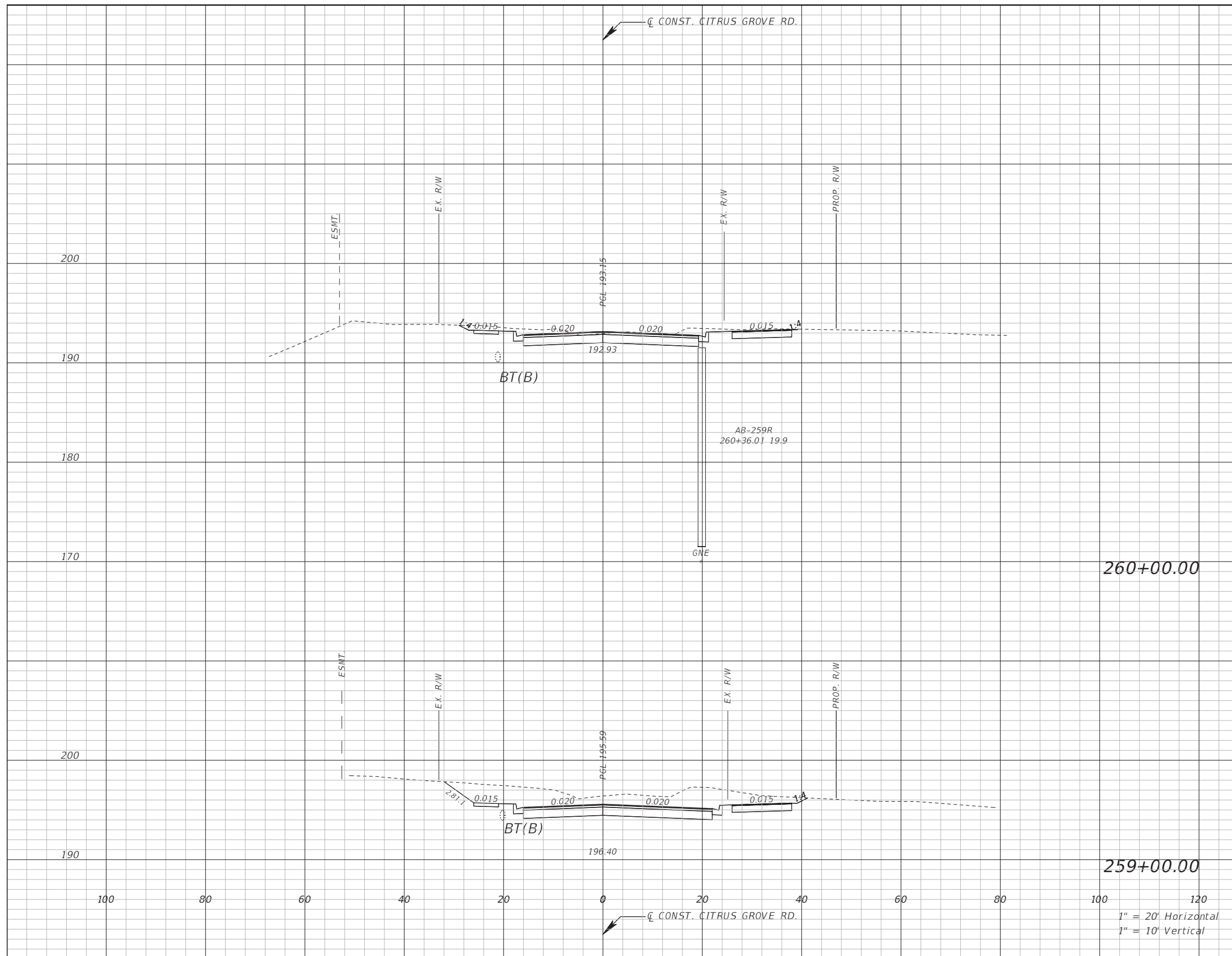
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION

SHEET NO.
 53

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
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 ORLANDO, FLORIDA 32814
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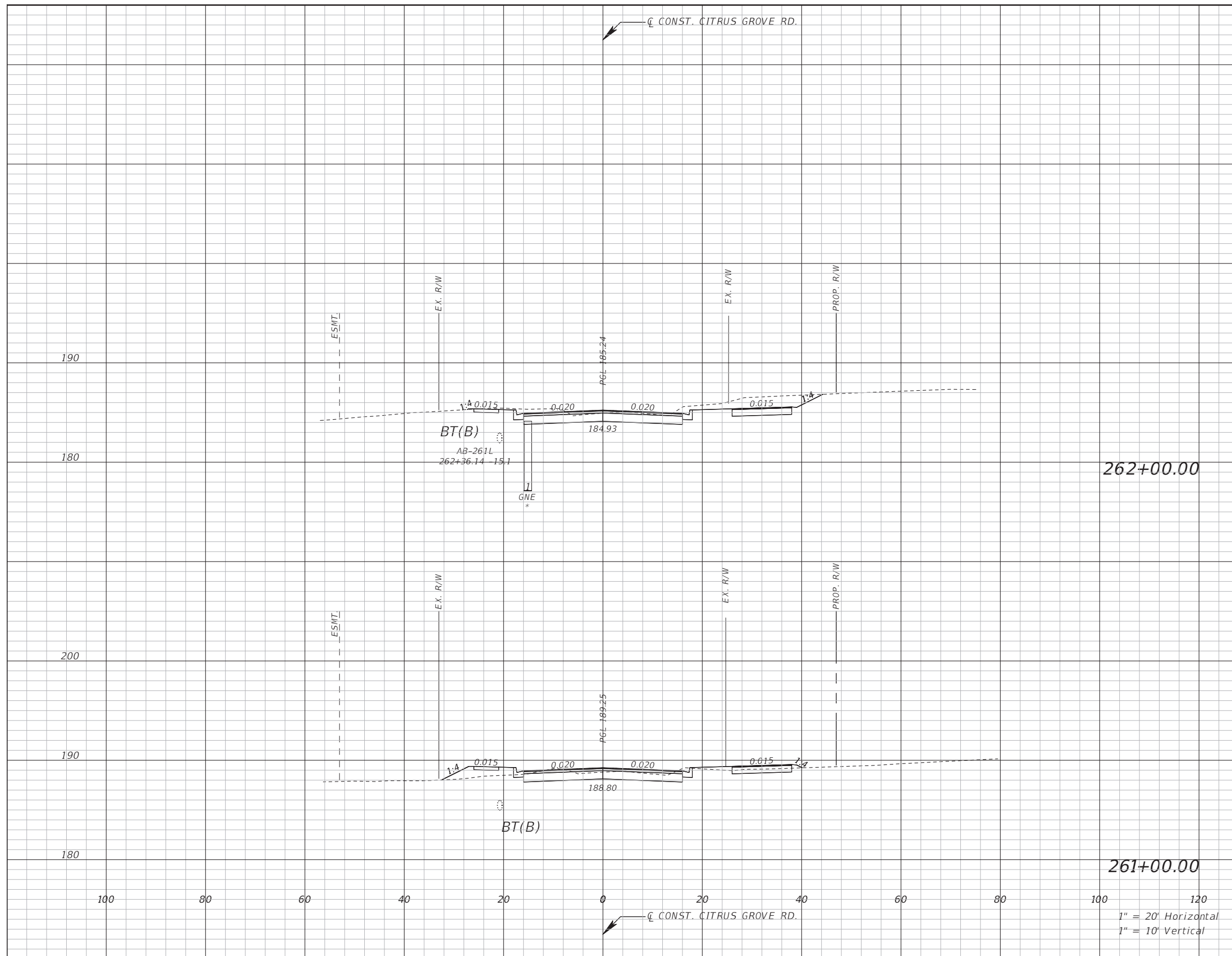
LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:

CROSS SECTION

SHEET NO.
 54

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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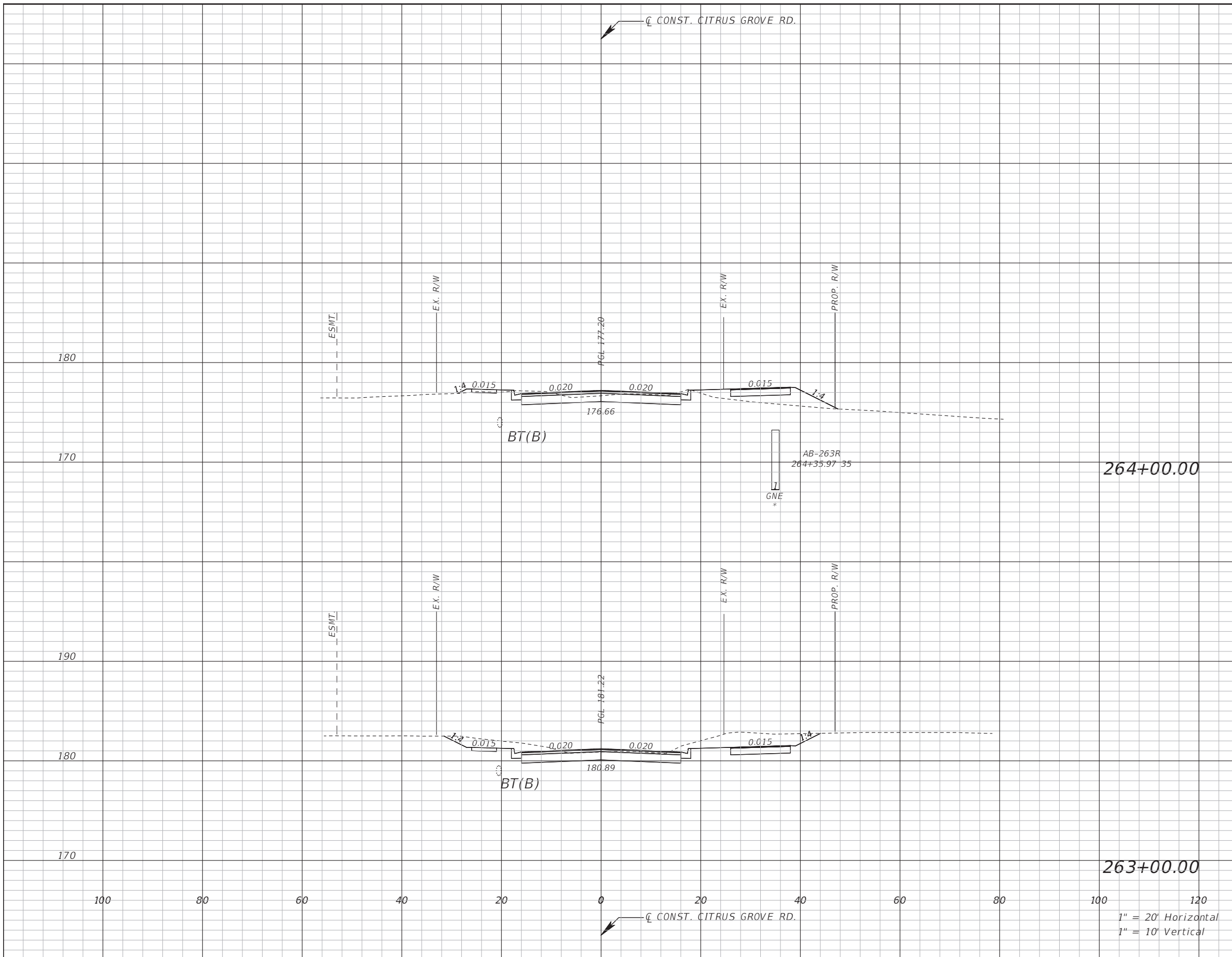
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD: CITRUS GROVE ROAD
 RSO NO.: 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE: 11/10/2021 8:21:48 PM

CROSS SECTION

SHEET NO. 55

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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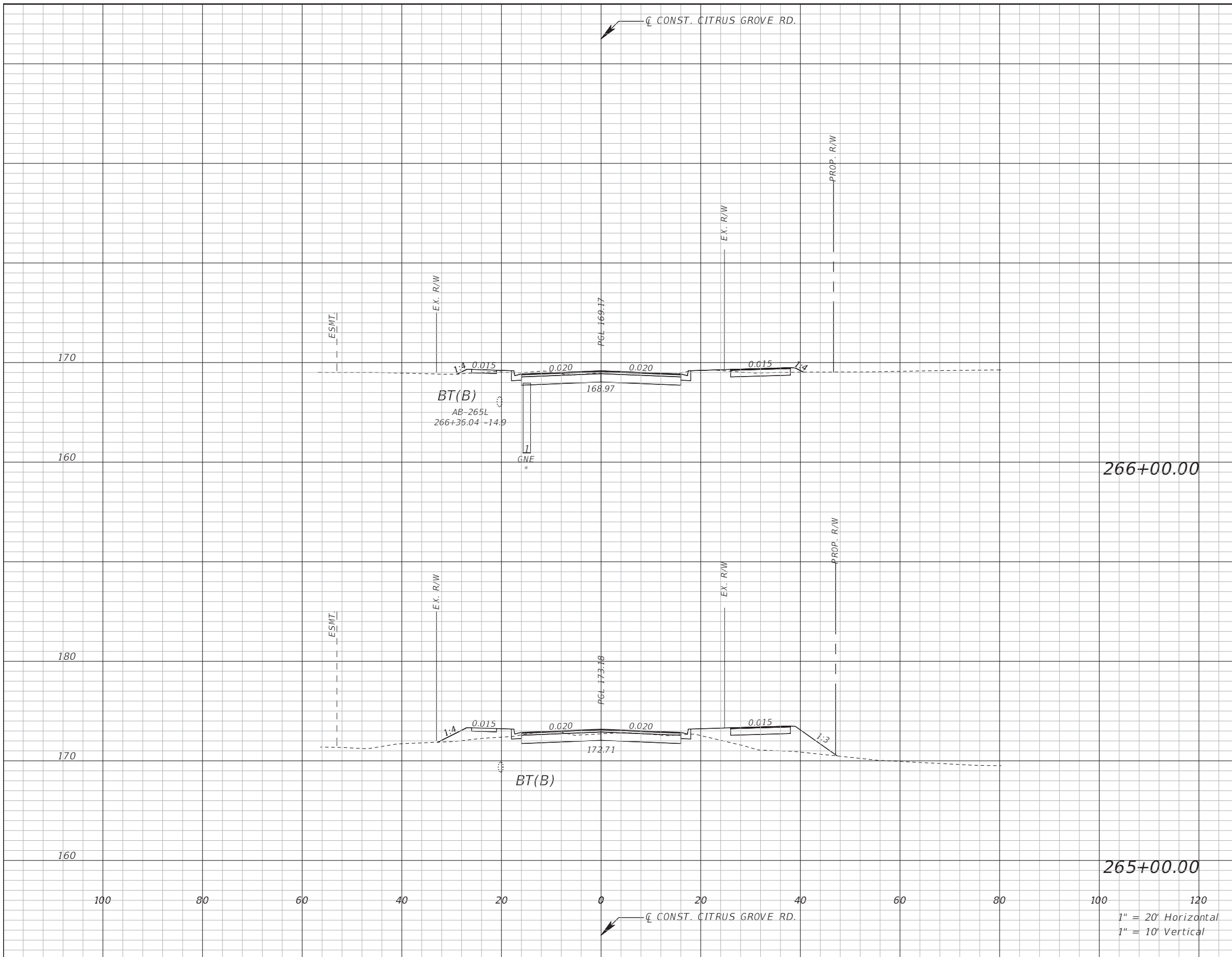
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION

SHEET NO.
 56

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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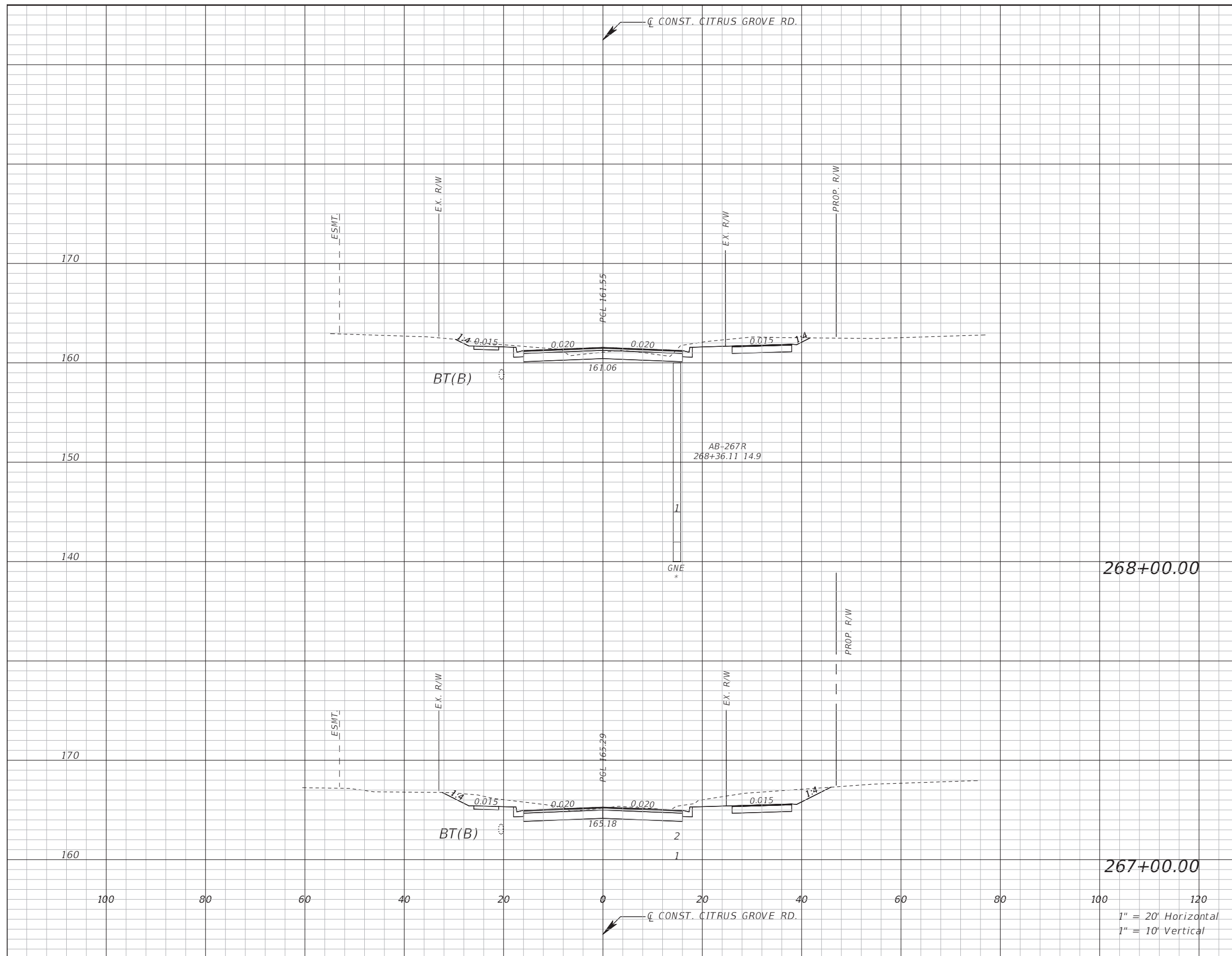
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION

SHEET NO.
 57

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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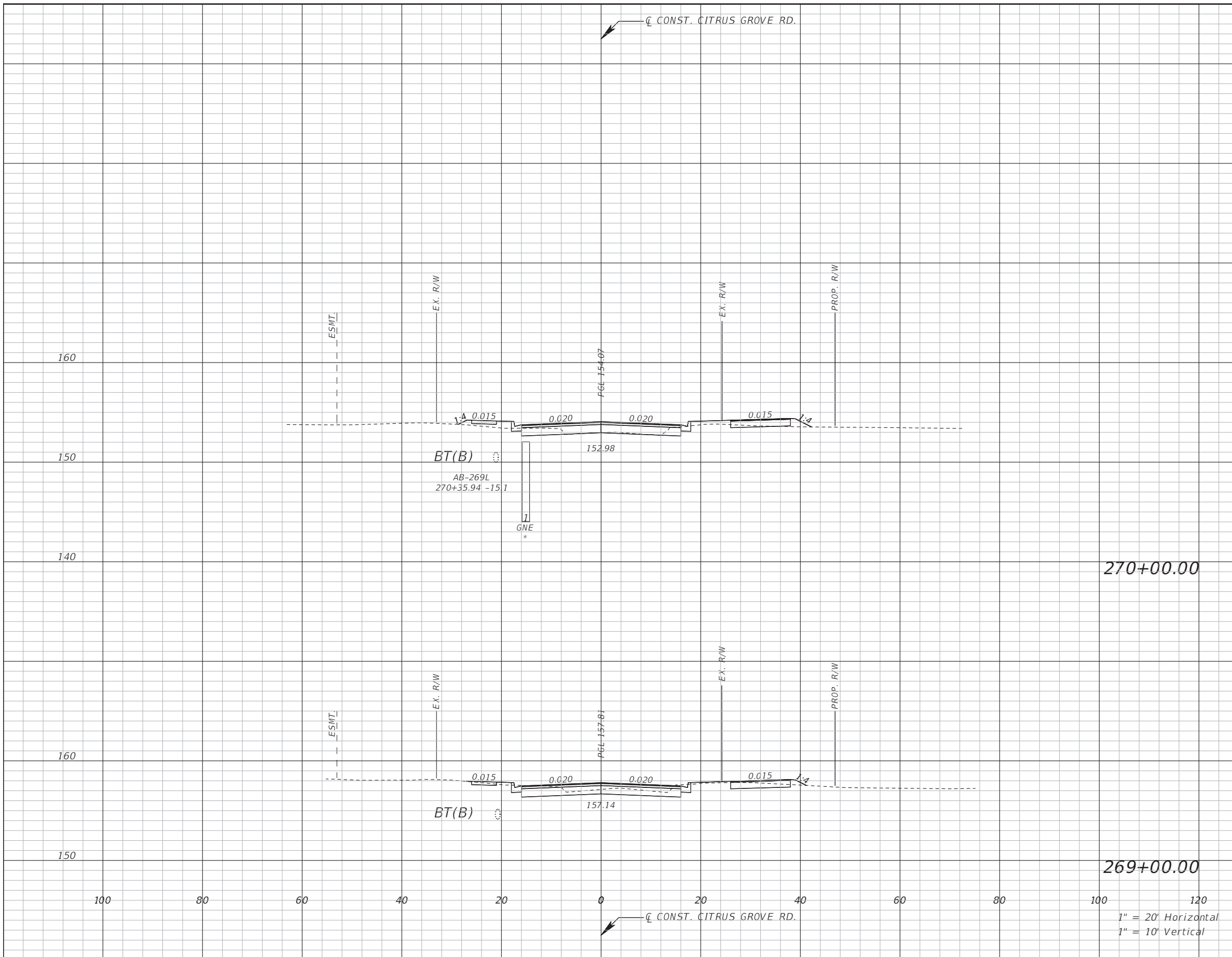
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION

SHEET NO.
 58

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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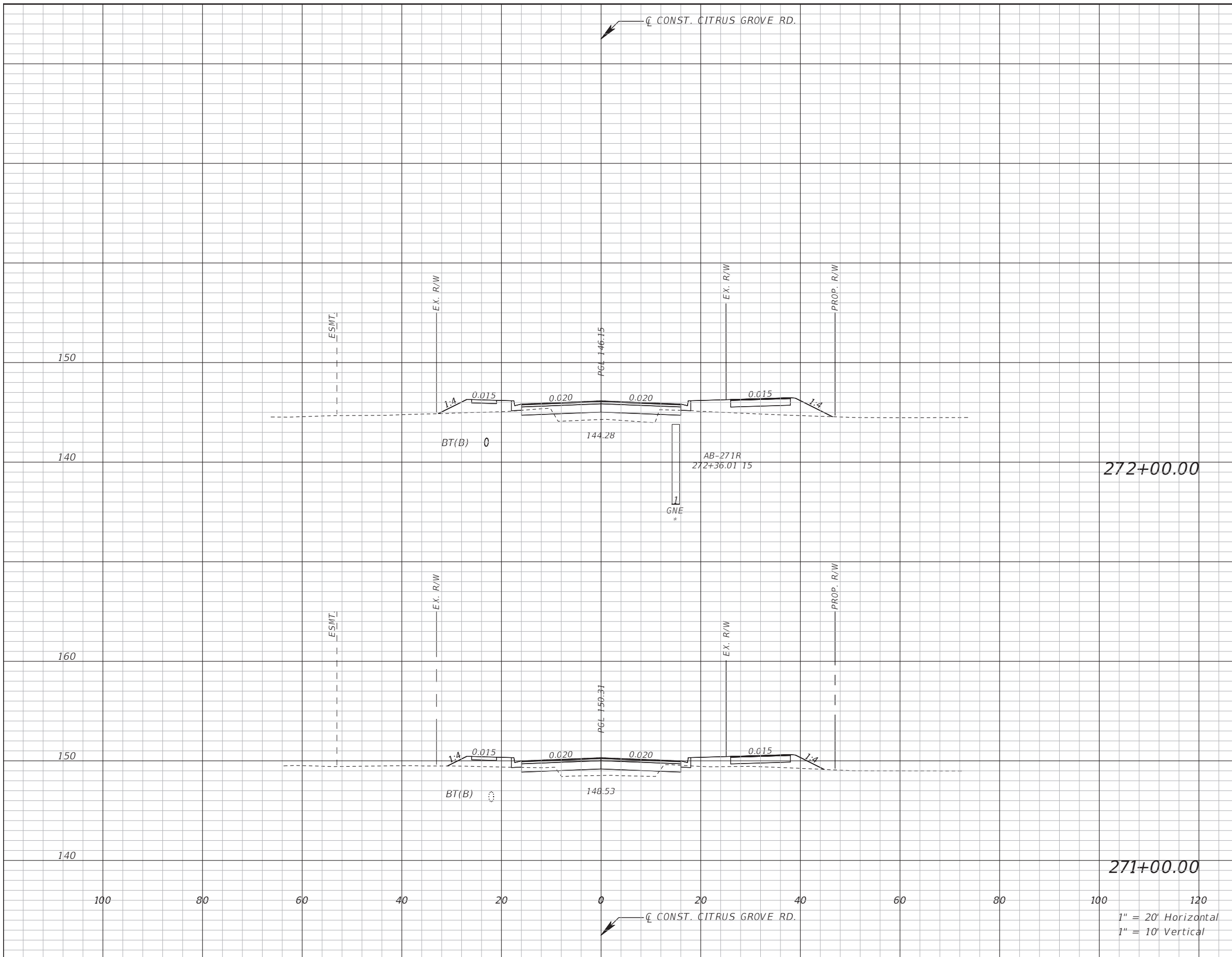
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD: CITRUS GROVE ROAD
 RSO NO.: 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE: 11/10/2021 8:22:08 PM

CROSS SECTION

SHEET NO. 59

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836



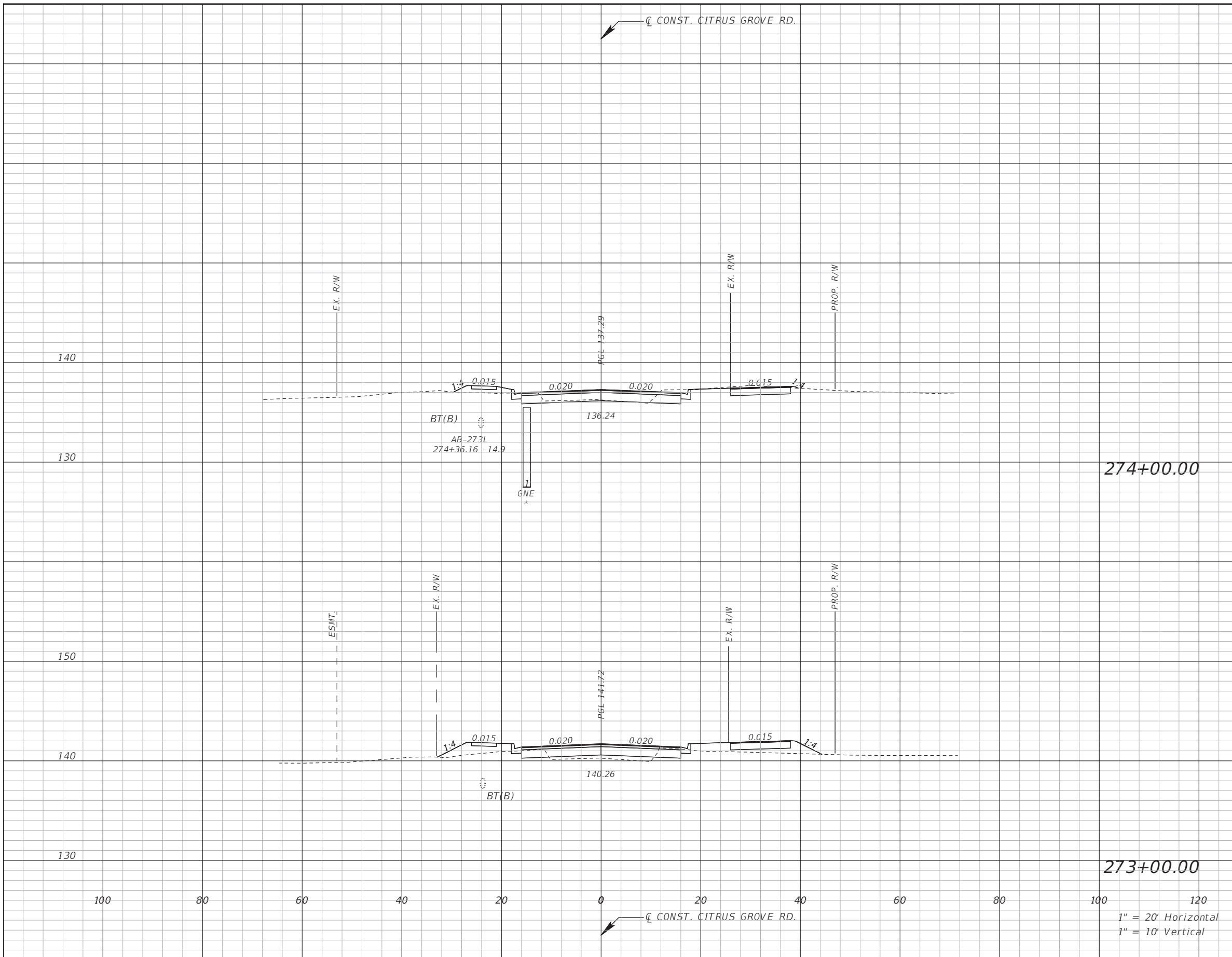
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION

SHEET NO.
60

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

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

REVISIONS	DATE

DRMP
ENGINEERS SURVEYORS PLANNERS SCIENTISTS
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ORLANDO, FLORIDA 32814
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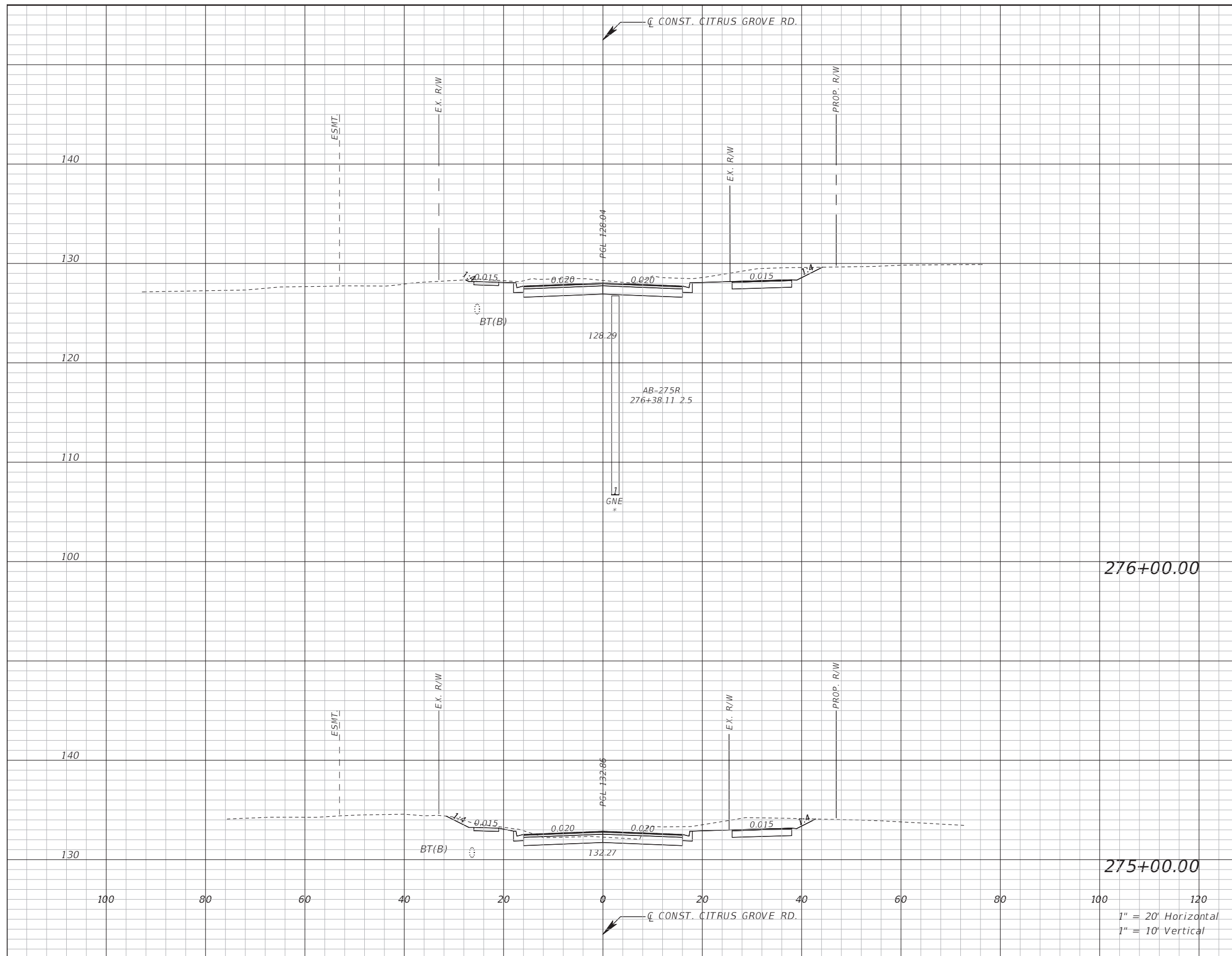
LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
ROAD: CITRUS GROVE ROAD
RSQ NO.: 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
DATE:

CROSS SECTION

SHEET NO.
61

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276+00.00

275+00.00

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

Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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ENGINEERS SURVEYORS PLANNERS SCIENTISTS
DRMP, INC.
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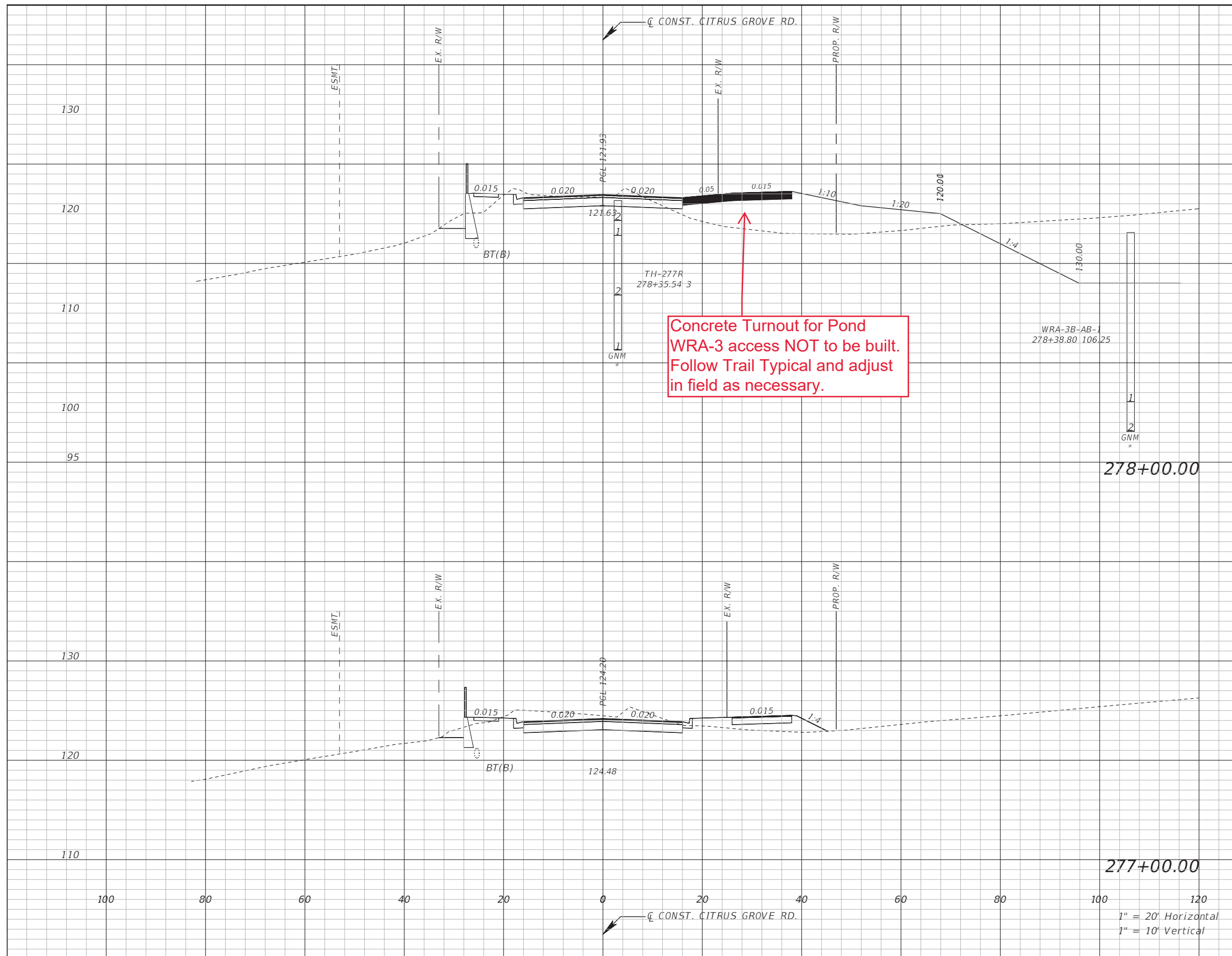
LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
ROAD RSO NO.
CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
DATE:
Rasha AL Obaydi 11/10/2021 8:22:24 PM

CROSS SECTION

SHEET NO.
62

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
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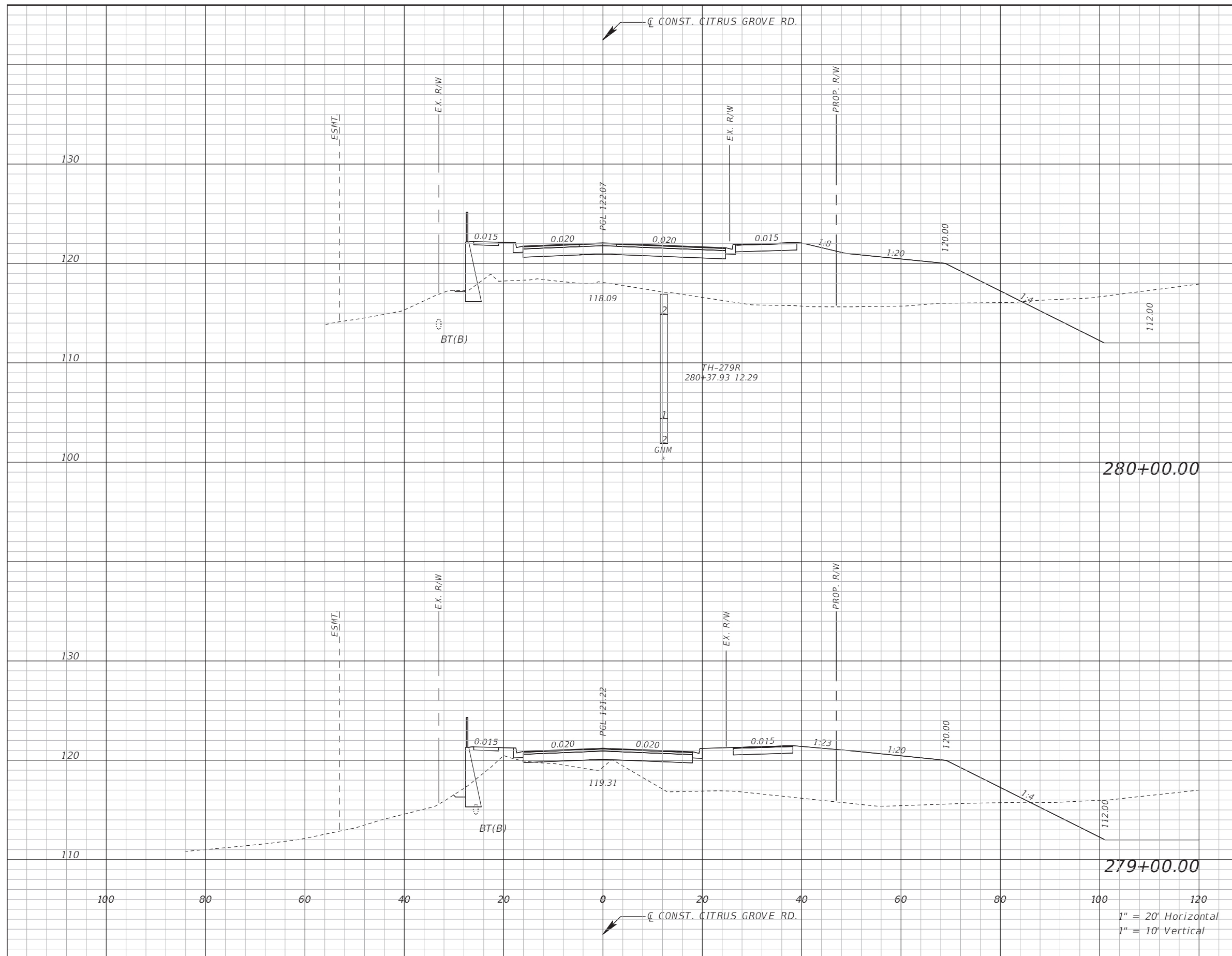
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD: CITRUS GROVE ROAD
 RSO NO.: 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE: 11/10/2021 8:22:29 PM

CROSS SECTION

SHEET NO. 63

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



Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

DRMP
 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
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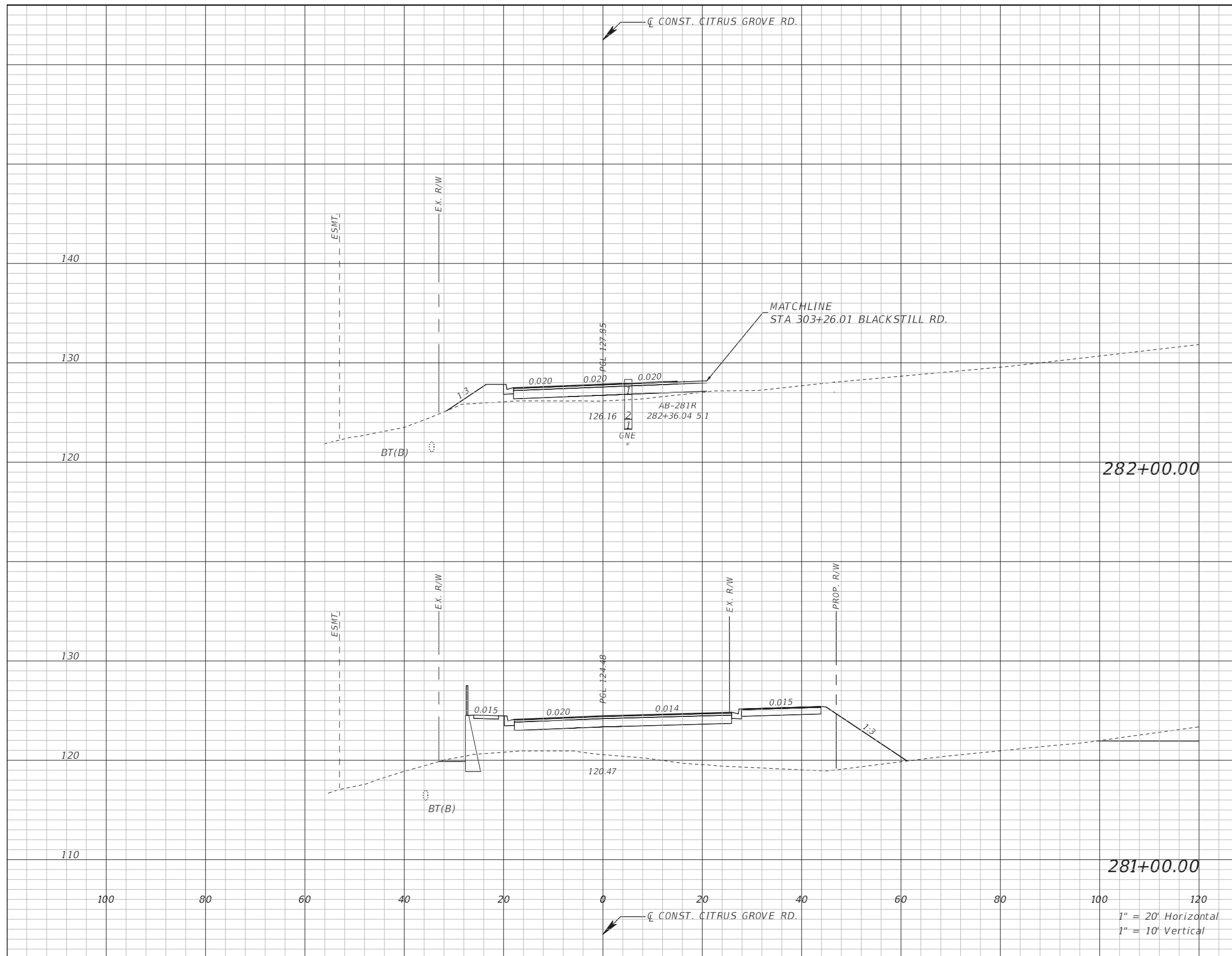
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION

SHEET NO.
 64

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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 P 407.896.0594 F 407.896.4836



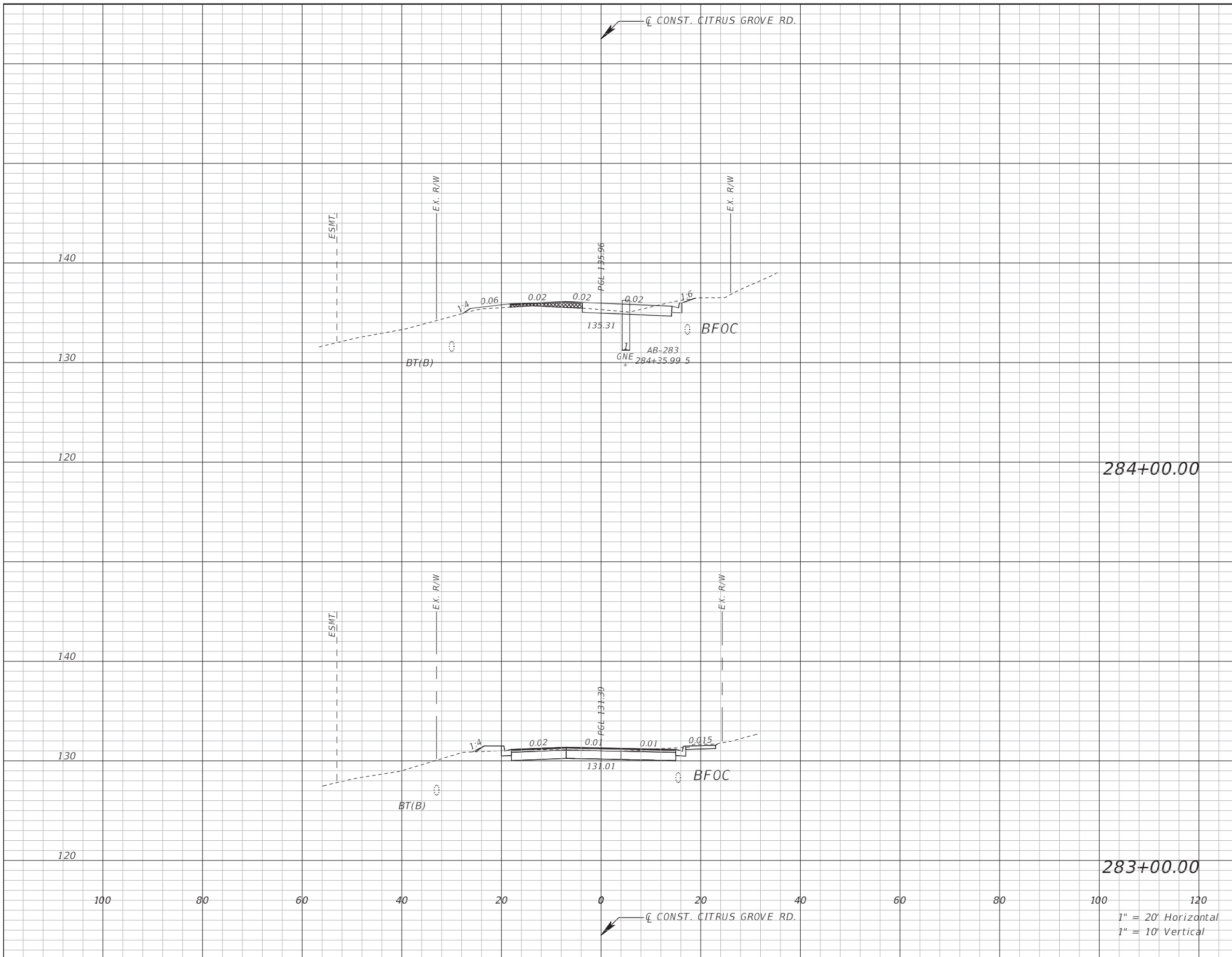
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD: CITRUS GROVE ROAD
 RSO NO.: 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE: 11/10/2021 8:22:39 PM

CROSS SECTION

SHEET NO. 65

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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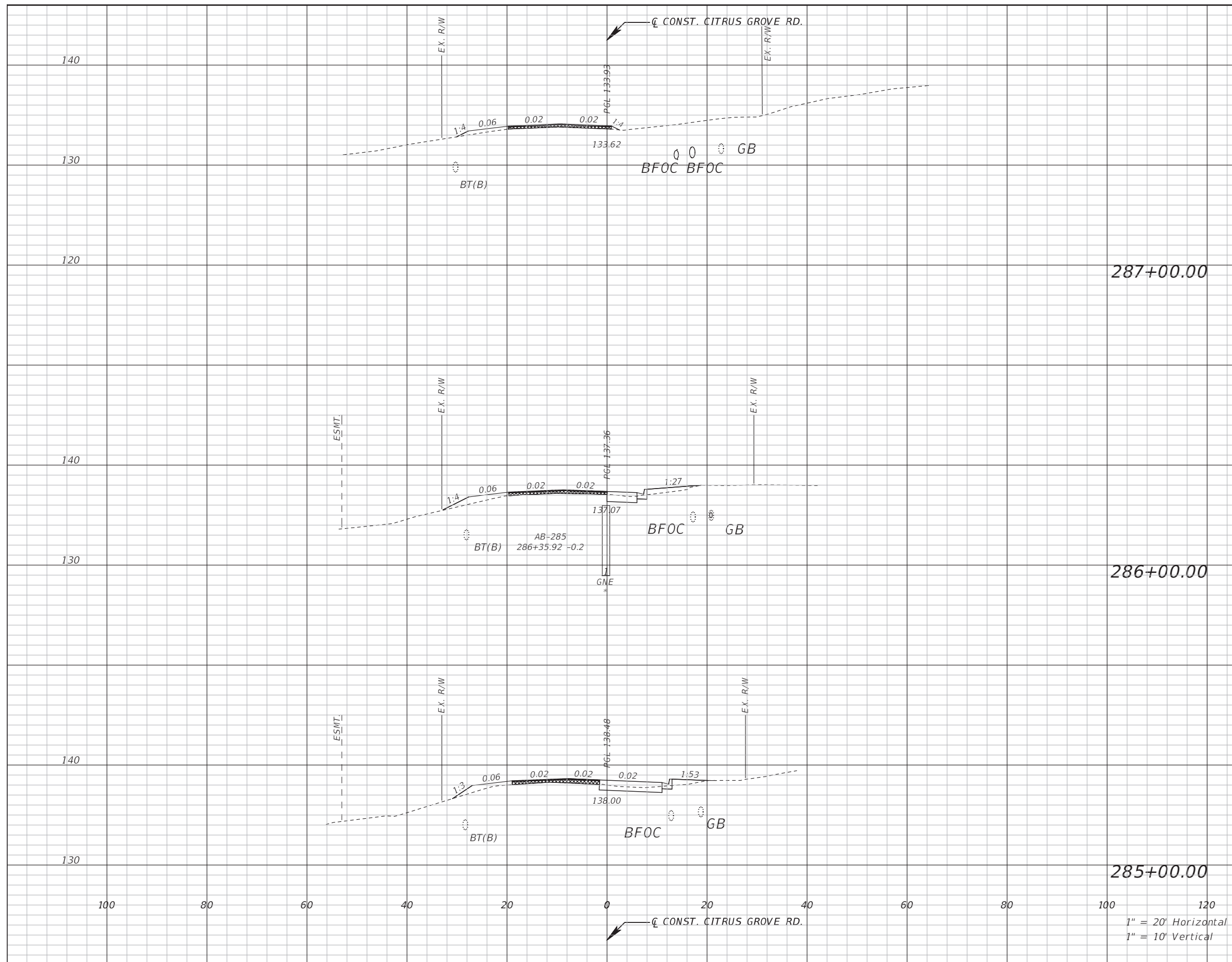
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
 Rasha AL Obaydi 11/10/2021 8:22:45 PM

CROSS SECTION

SHEET NO.
 66

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



Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

DRMP
 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
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 ORLANDO, FLORIDA 32814
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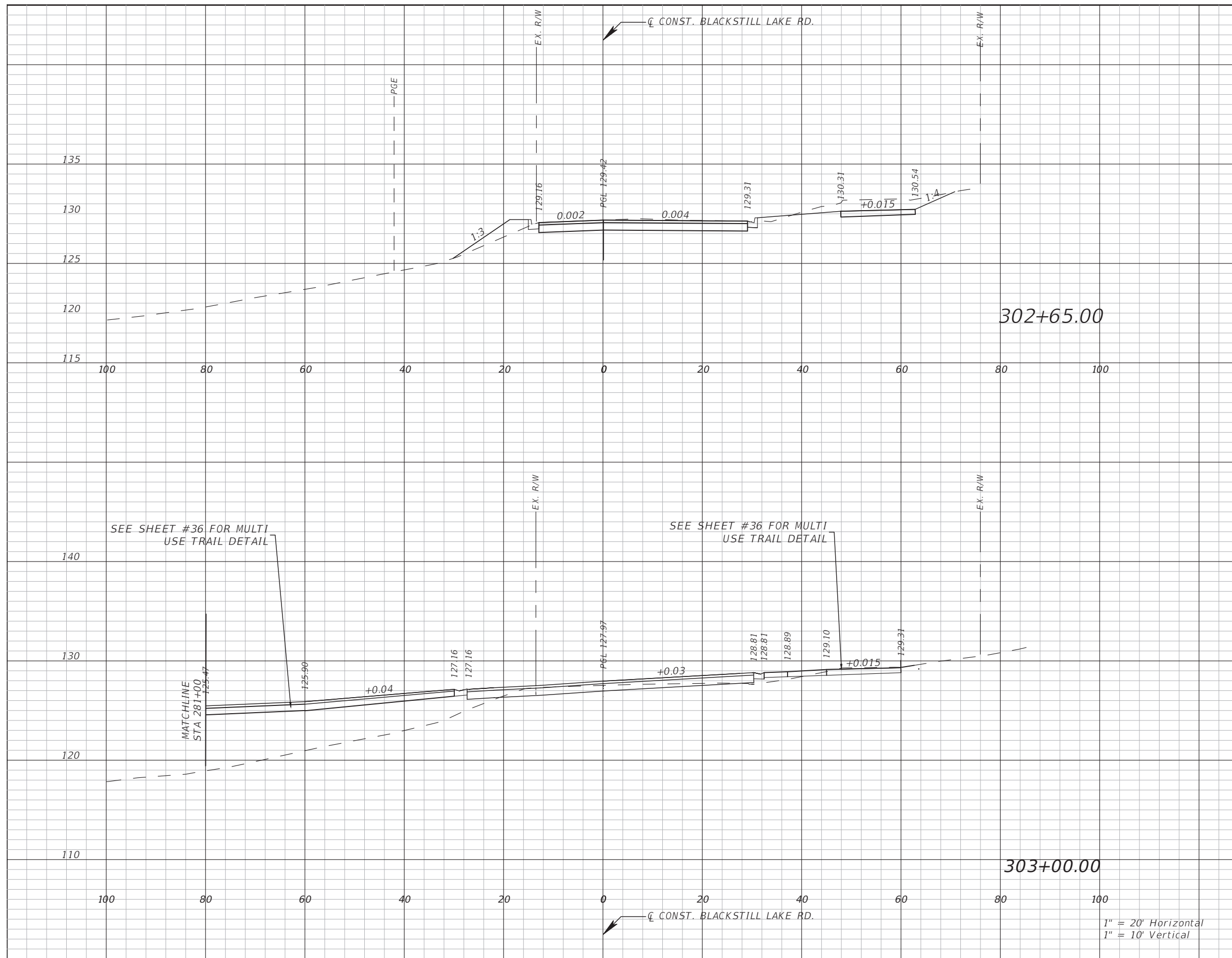
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD RSO NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION

SHEET NO.
 67

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



Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

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

REVISIONS	DATE

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ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
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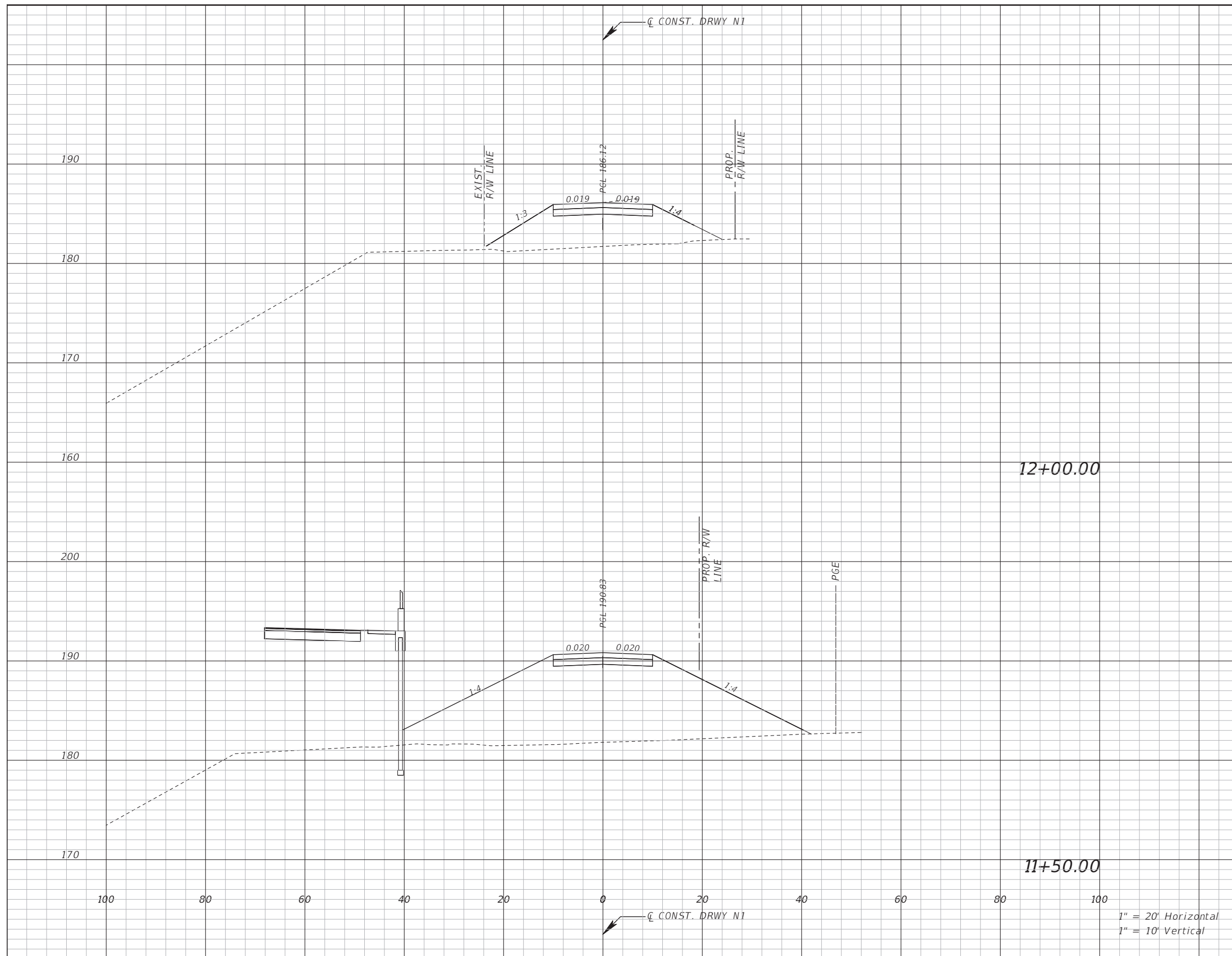
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
 Rasha AL Obaydi 11/10/2021 10:23:49 PM

CROSS SECTION
 BLACKSTILL LAKE ROAD

SHEET NO.
 68

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



Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

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

REVISIONS	DATE

DRMP
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ORLANDO, FLORIDA 32814
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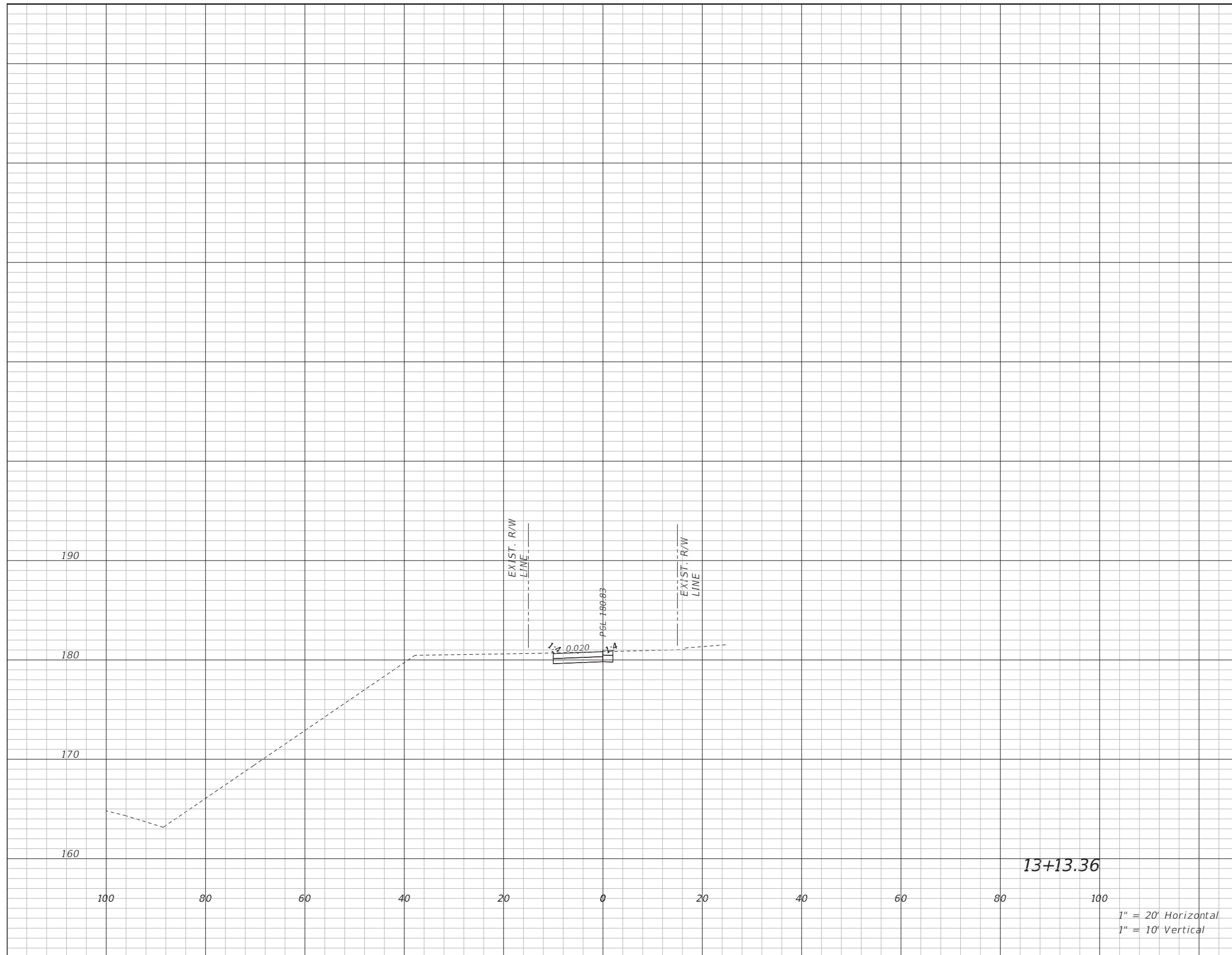
LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
ROAD: CITRUS GROVE ROAD
RSQ NO.: 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
DATE:
Rasha AL Obaydi 11/10/2021 11:33:32 PM

CROSS SECTION DRIVEWAY N1

SHEET NO.
69

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

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 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
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 ORLANDO, FLORIDA 32814
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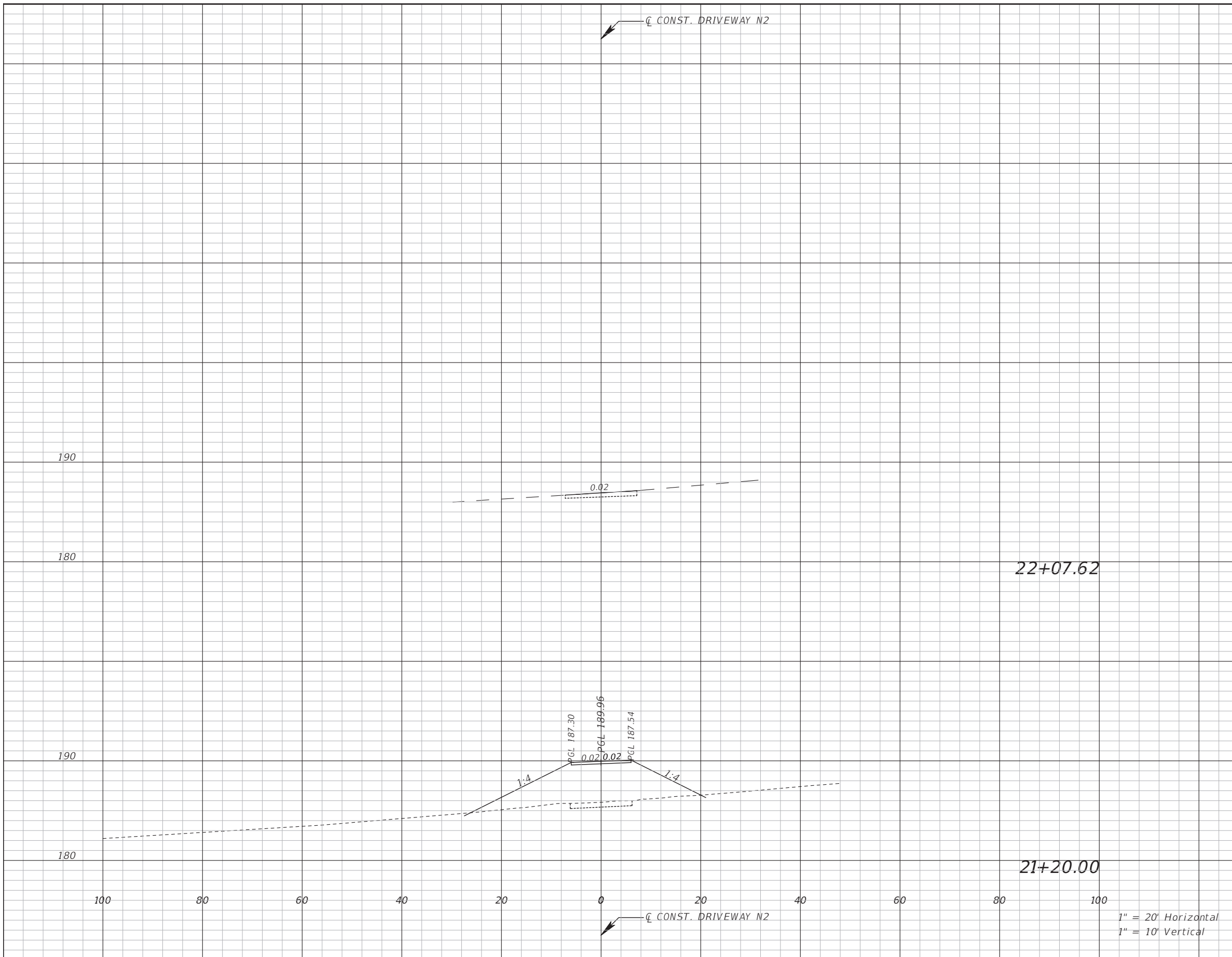
LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
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CROSS SECTION
 DRIVEWAY N1

SHEET NO.
 70

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Subsoil Exc.		Regular Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

REVISIONS	DATE

DRMP
ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
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 ORLANDO, FLORIDA 32814
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LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD: CITRUS GROVE ROAD
 RSO NO.: 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:
 Rasha AL Obaydi 11/10/2021 11:52:27 PM

CROSS SECTION
DRIVEWAY N2

SHEET NO.
 71

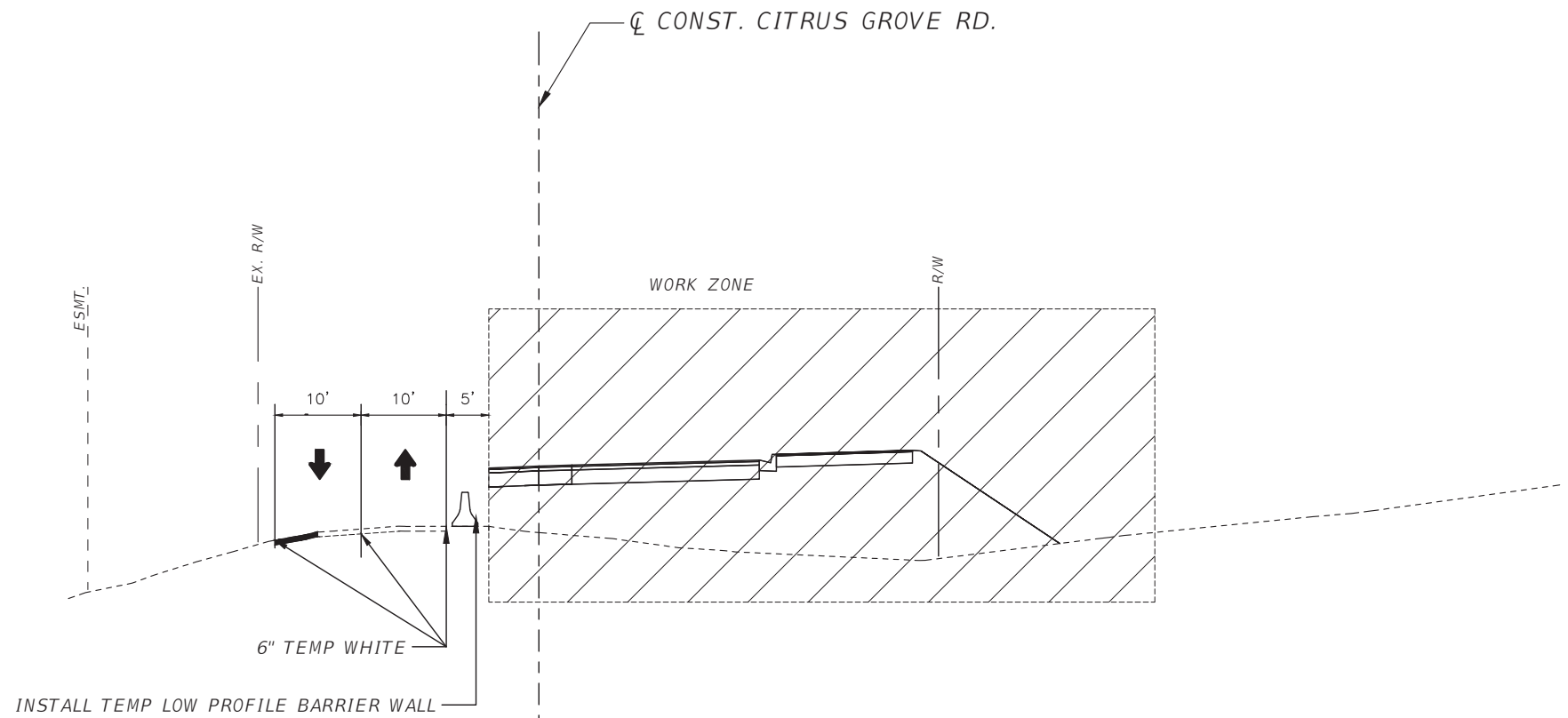
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES:

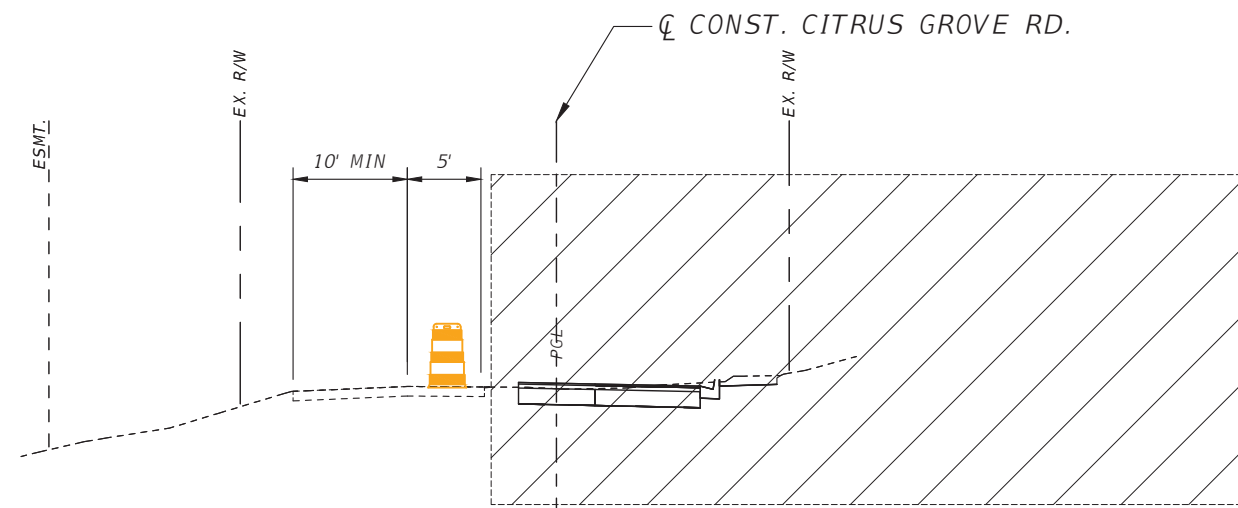
- 1-THE CONTRACTOR SHALL PROVIDE A MAINTENANCE OF TRAFFIC PLAN (MOT) TO LAKE COUNTY PUBLIC WORKS ENGINEERING DEPARTMENT FOR EACH PHASE OF CONSTRUCTION. (A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF THE PROPOSED START DATE OF CONSTRUCTION). NO ROAD CLOSURE WILL BE PERMITTED (UNLESS UNDER SPECIAL CIRCUMSTANCES).
- 2-FOLLOW FDOT STANDARD PLANS 102 SERIES FOR MAINTENANCE OF TRAFFIC.
- 3-THE SPEED LIMIT ALONG CITRUS GROVE RD. SHALL BE (25 MPH) IN THE WORK ZONE.
- 4-DURING INACTIVE WORK ZONES, DROPOFF HAZARDS OR ABOVE GROUND HAZARDS ARE NOT PERMITTED.
- 5-UTILIZE OPTIONAL SHOULDER TREATMENT AS NECESSARY TO MITIGATE DROPOFFS.

PHASING NOTES- PHASE 1



- 1-CONSTRUCT THE SOUTHWEST AND SOUTHEAST CORNER OF THE INTERSECTION OF CITRUS GROVE RD. AND BLACKSTILL LAKE ROAD.
- 2-MAINTAIN A MIN. 10' STABILIZED DRIVEWAY ACCESS TO RESIDENTIAL PROPERTIES ACCESSING CITRUS GROVE ROAD WEST OF BLACKSTILL LAKE ROAD (TYPICAL SECTION-1)
- 3-CONSTRUCT 5' OF TEMP. PAVEMENT ON THE NORTH SIDE. (TYPICAL SECTION-2)
- 4- PLACE TEMP. LOW PROFILE BARRIER, TEMP. STRIPING AND ADVANCED WARNING SIGNS.
- 5- NEW ROADWAY CONSTRUCTION ON THE WEST SIDE OF THE CITRUS GROVE ROAD AND BLACKSTILL LAKE ROAD INTERSECTION IS TO BE SIGNED "CLOSED" TO LOCAL TRAFFIC ONLY.
- 6- STANDARD PLANS INDEX 102 SERIES WAS USED TO DEVELOP THE CONCEPTUAL MAINTENANCE OF TRAFFIC PLAN



PHASE -1- TYPICAL SECTION 1
STA. 280+00 TO STA. 281+65



PHASE -1- TYPICAL SECTION 2
STA. 281+65 TO STA. 283+04

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		CONCEPTUAL CONCEPTUAL MAINTENANCE OF TRAFFIC 1	SHEET NO.
				ROAD	R50 NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064
				CITRUS GROVE ROAD	19-0910	DATE:	

PHASING NOTES-PHASE II

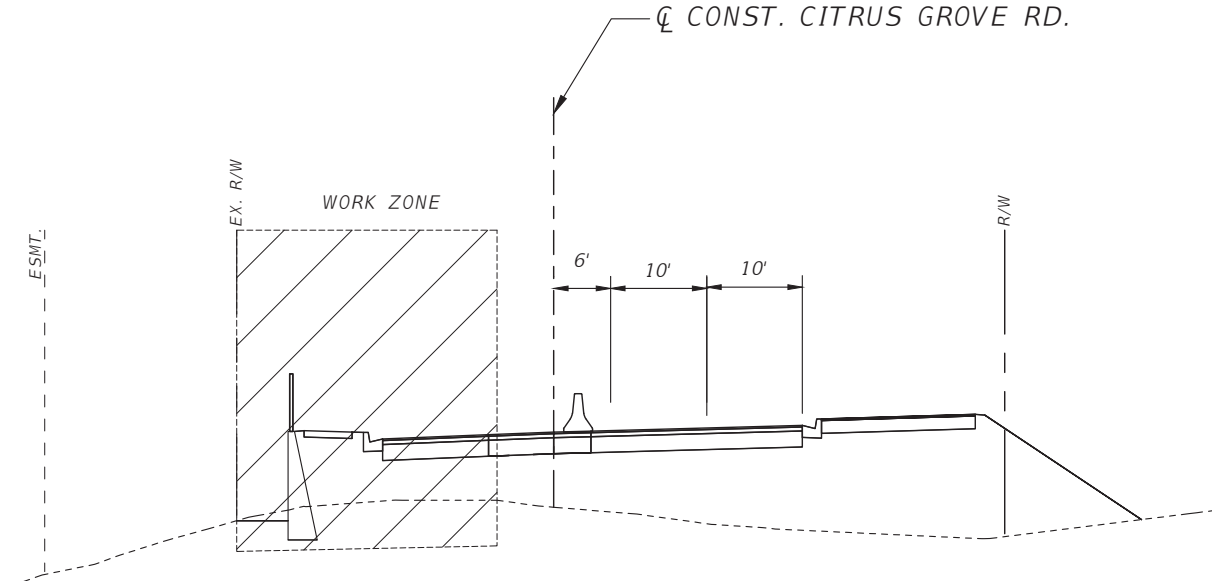
- 1-CONSTRUCT THE NORTHWEST AND NORTHEAST CORNERS OF THE INTERSECTION WITH PEDESTRIAN FEATURES AND DRAINAGE. SHIFT TRAFFIC TO THE NEWLY CONSTRUCTED SECTIONS TO THE SOUTH.
- 2-MAINTAIN A MIN 10' DRIVEWAY ACCESS TO RESIDENTIAL PROPERTIES ACCESSING CITRUS GROVE ROAD WEST OF BLACKSTILL LAKE ROAD (TYPICAL SECTION-1)
- 3- PLACE TEMP LOW PROFILE BARRIER, TEMP. STRIPING AND ADVANCED WARNING SIGNS.
- 4- NEW ROADWAY CONSTRUCTION ON THE WEST SIDE OF CITRUS GROVE ROAD AND BLACKSTILL LAKE ROAD INTERSECTION IS TO BE SIGNED "CLOSED" TO LOCAL TRAFFIC ONLY.
- 5-STANDARD PLANS INDEX 102 SERIES WAS USED TO DEVELOP THE CONCEPTUAL MAINTENANCE OF TRAFFIC PLAN

PHASING NOTES-PHASE III

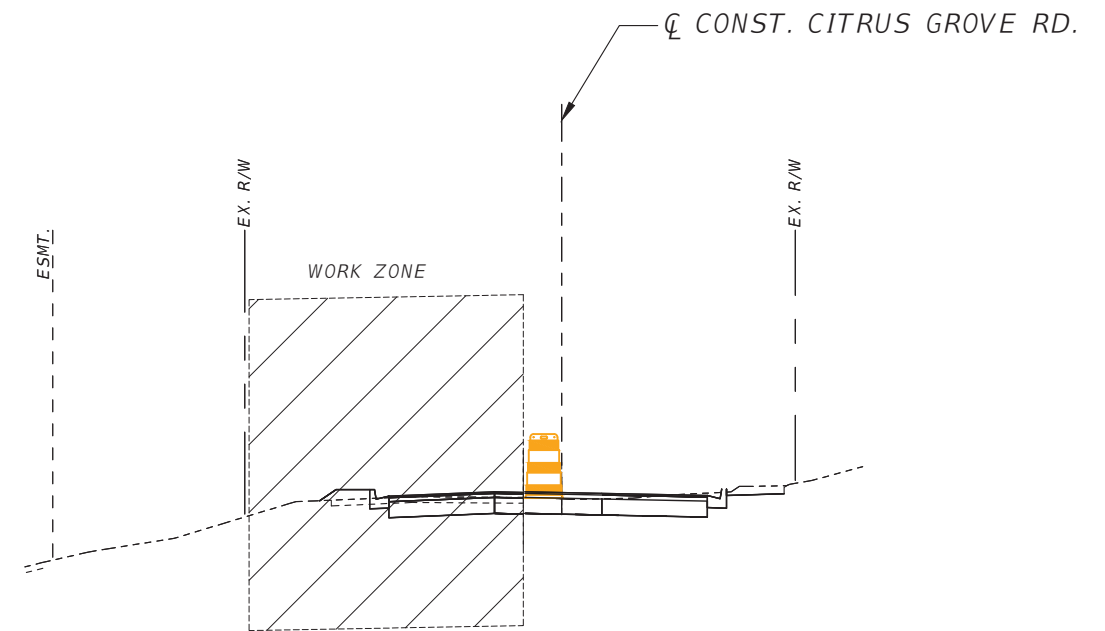
- 1-RECONSTRUCT PORTION OF BLACKSTILL AT THE INTERSECTION AS SHOWN IN THE PLANS
- 2-STANDARD PLANS INDEX 102 SERIES WAS USED TO DEVELOP THE CONCEPTUAL MAINTENANCE OF TRAFFIC PLAN

PHASING NOTES- PHASE III



- 1-CONSTRUCT MILLING AND RESURFACING. CONSTRUCT FINAL FRICTION COURSE LAYER AND COMPLETE THE TRAFFIC STRIPING.
- 2-STANDARD PLANS INDEX 102 SERIES WAS USED TO DEVELOP THE CONCEPTUAL MAINTENANCE OF TRAFFIC PLAN



PHASE 2 - TYPICAL SECTION 1
STA. 280+00 TO STA. 281+65

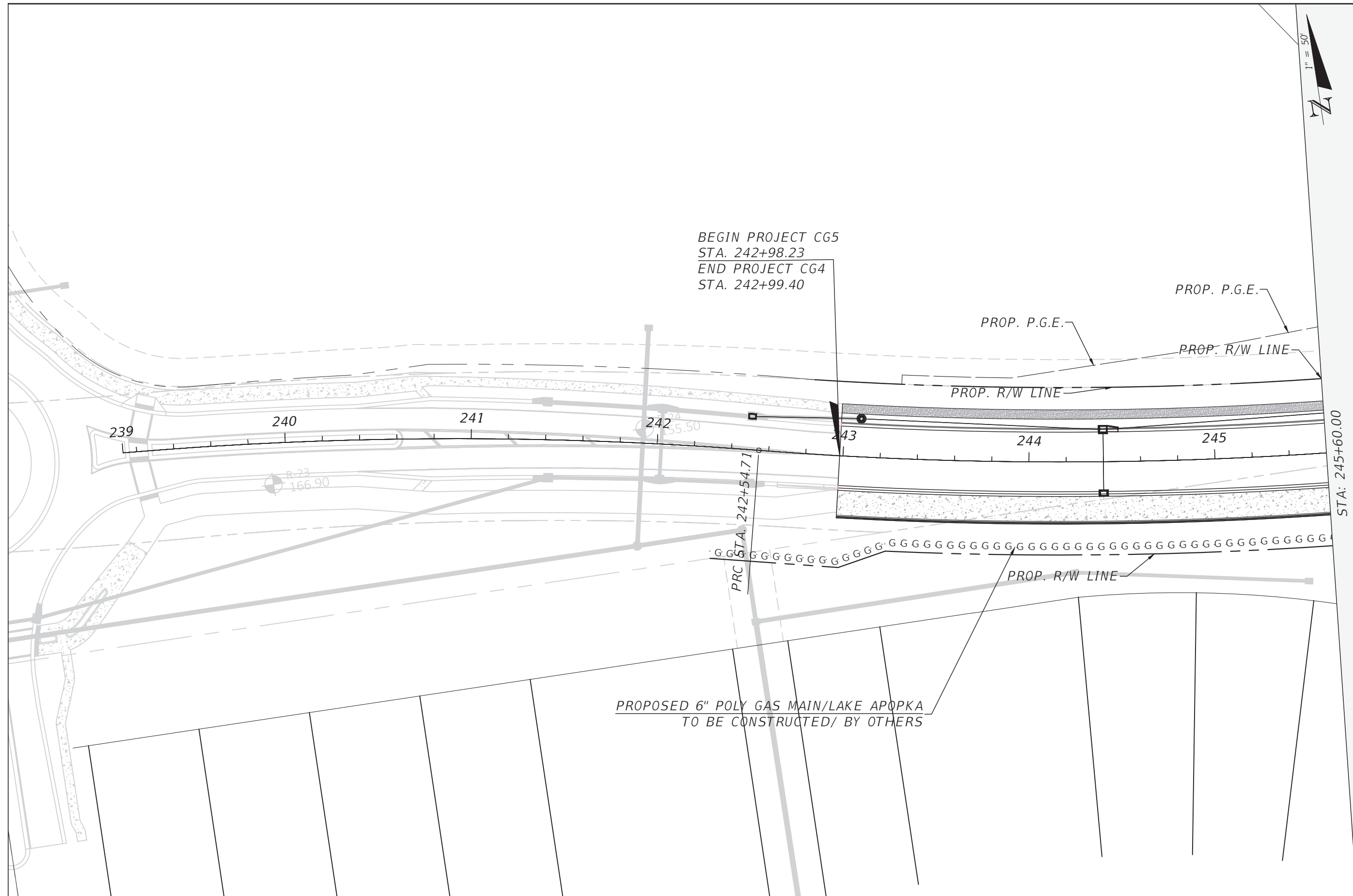


PHASE 2 - TYPICAL SECTION 2
STA. 281+65 TO STA. 283+04

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		CONCEPTUAL CONCEPTUAL MAINTENANCE OF TRAFFIC 2	SHEET NO.	
				ROAD	RSQ NO.		JOHN R. BURKETT, P.E. LICENSE NO. 40064	73
				CITRUS GROVE ROAD	19-0910		DATE:	



BEGIN PROJECT CG5
 STA. 242+98.23
 END PROJECT CG4
 STA. 242+99.40

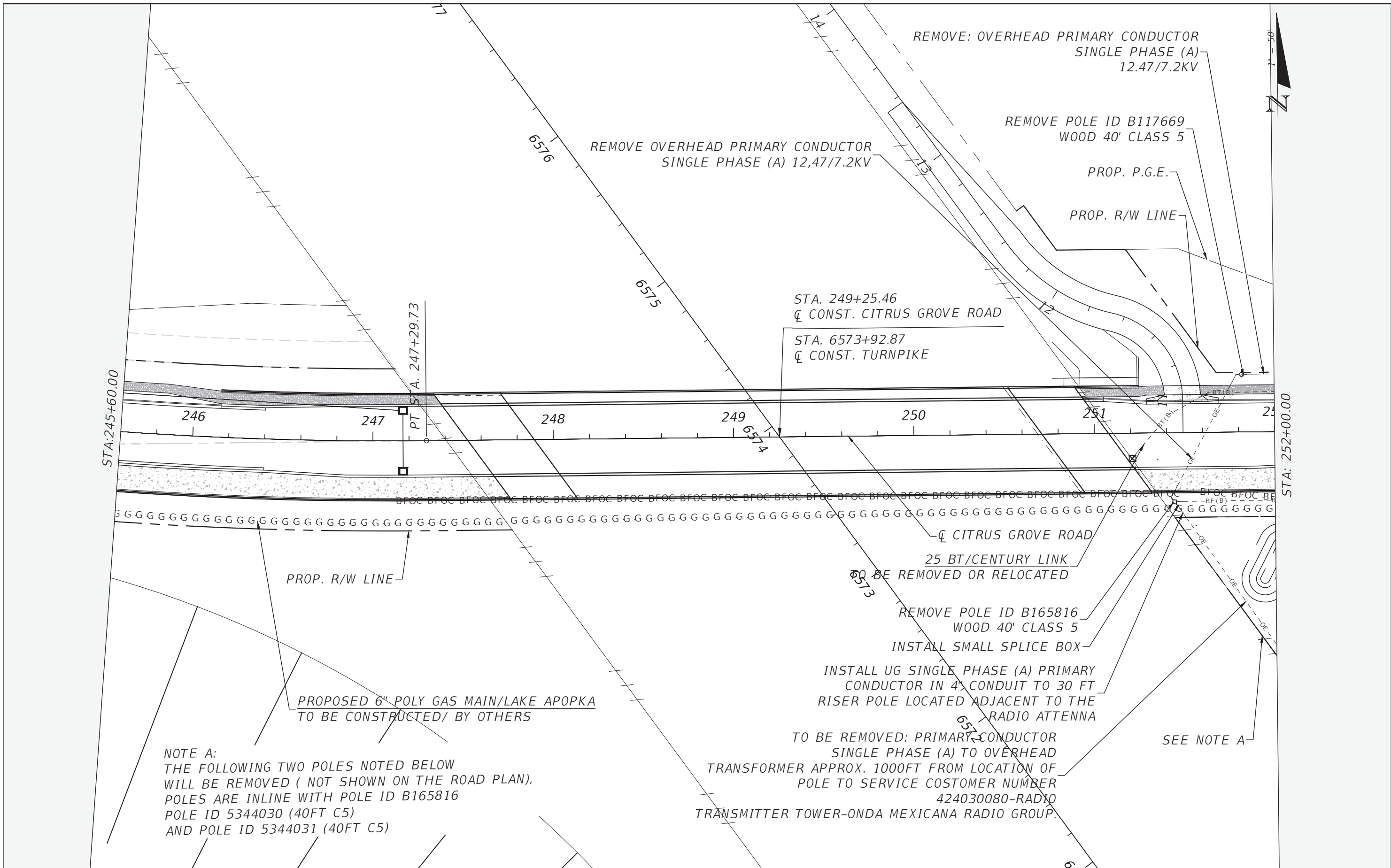


PROPOSED 6" POLY GAS MAIN/LAKE APOPKA
 TO BE CONSTRUCTED/ BY OTHERS

STA: 245+60.00

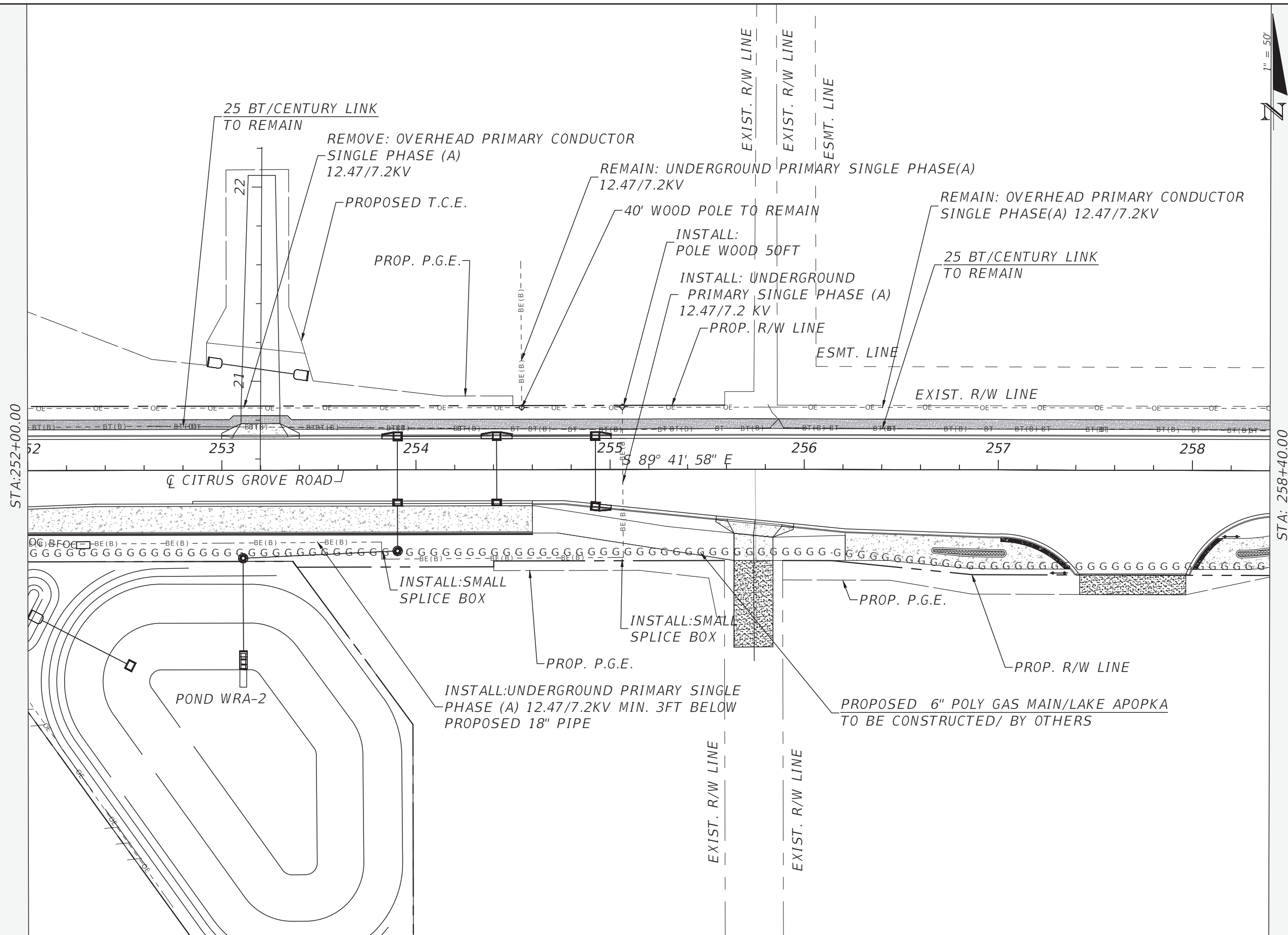
REVISIONS	DATE	DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	LAKE COUNTY, FL <small>REAL FLORIDA - REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		UTILITY ADJUSTMENT SHEET	SHEET NO. U-1
				ROAD	RSO NO.		
				CITRUS GROVE ROAD	19-0910		

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REVISIONS	DATE	<p>DRMP ENGINEERS SURVEYORS PLANNERS SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836</p>	<p>LAKE COUNTY, FL REAL FLORIDA - REAL CLOSE</p>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		<p>UTILITY ADJUSTMENT SHEET</p>	SHEET NO.		
				ROAD	RSO NO.		<p>JOHN R. BURKETT, P.E. LICENSE NO. 40064</p>	U-2	
				CITRUS GROVE ROAD	19-0910				DATE:



STA:252+00.00

STA: 258+40.00

CITRUS GROVE ROAD

POND WRA-2

REVISIONS	DATE

DRMP
 ENGINEERS SURVEYORS PLANNERS SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
 REAL FLORIDA REAL CLOSE

LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD: CITRUS GROVE ROAD
 RSO NO.: 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE: 4/7/2022 9:07:51 AM
 Rasha AL Obaydi

UTILITY ADJUSTMENT SHEET

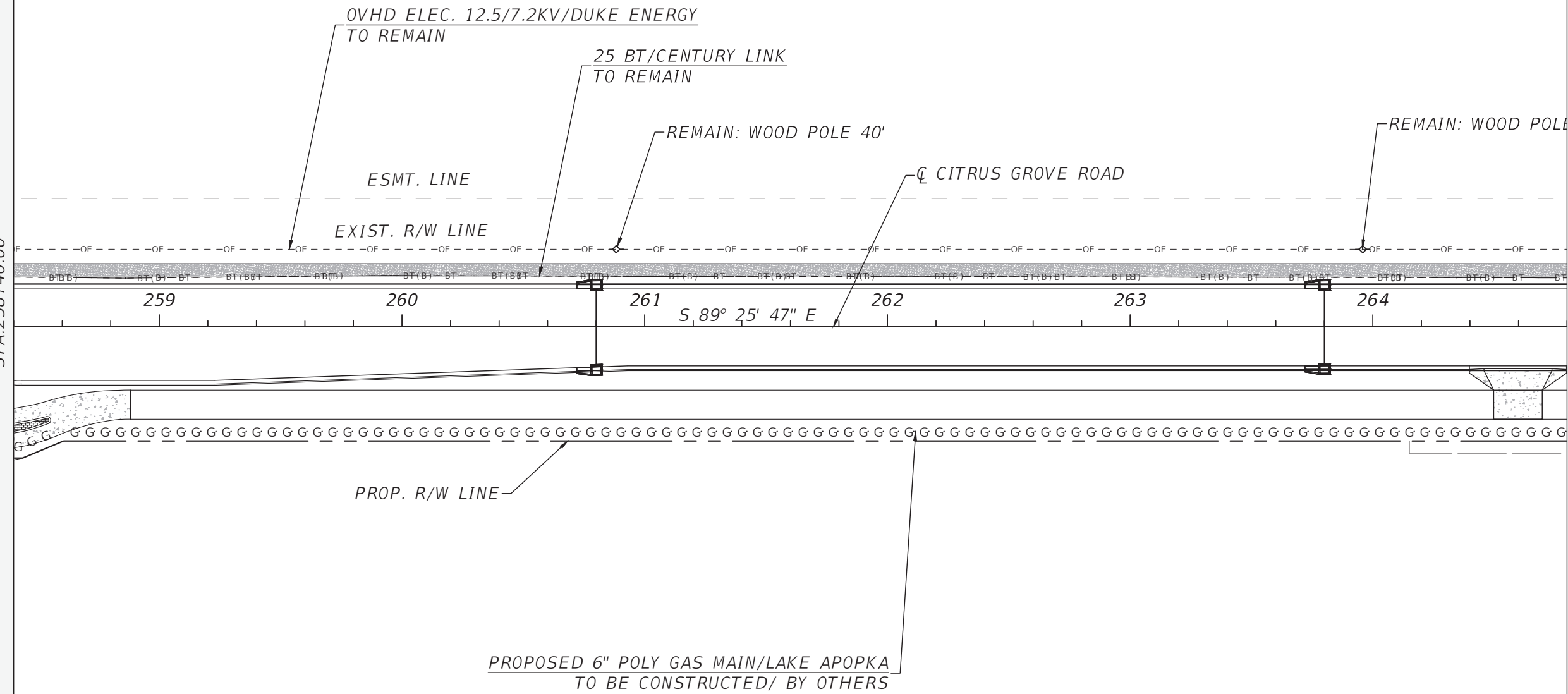
SHEET NO. U-3



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STA: 258+40.00

STA: 264+80.00



REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		UTILITY ADJUSTMENT SHEET	SHEET NO.
					ROAD		RSQ NO.
				CITRUS GROVE ROAD	19-0910		

Rasha AL Obaydi

4/7/2022 9:07:54 AM

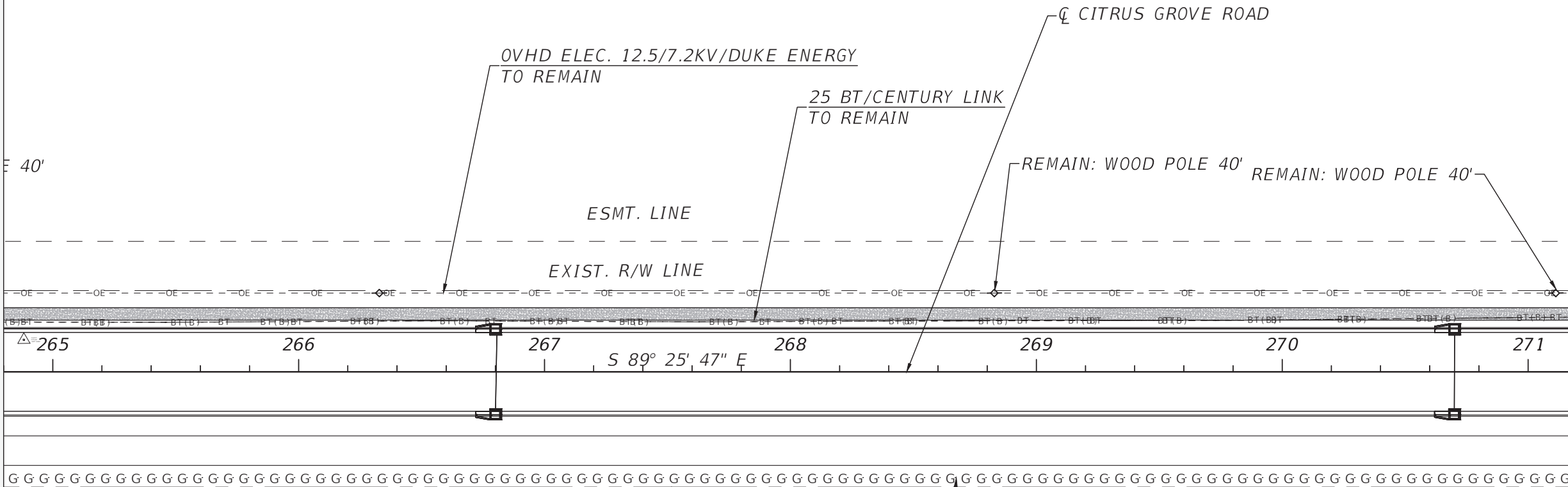
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STA: 264+80.00

STA: 271+20.00



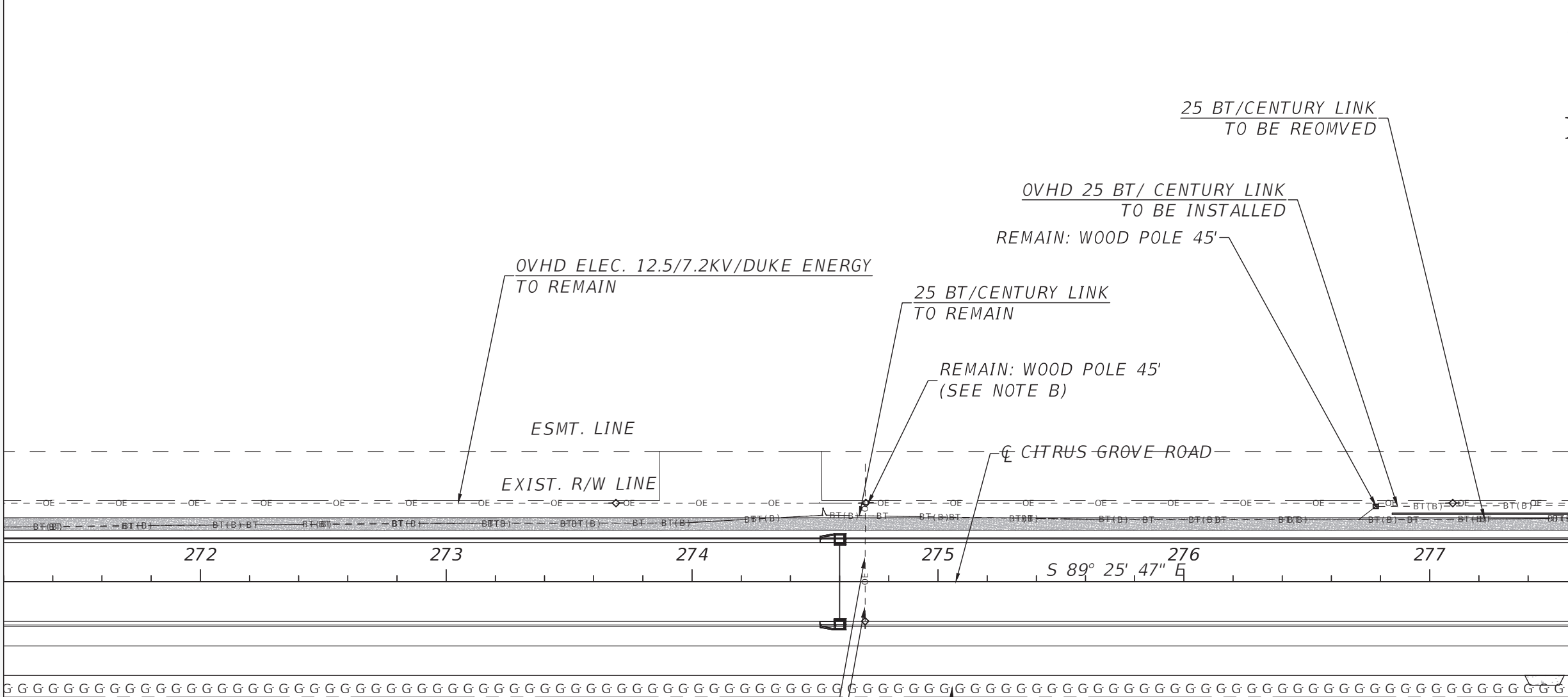
PROPOSED 6" POLY GAS MAIN/LAKE APOPKA
TO BE CONSTRUCTED/ BY OTHERS

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

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		UTILITY ADJUSTMENT SHEET	SHEET NO. U-5
					ROAD CITRUS GROVE ROAD		

STA: 271+20.00

STA: 277+60.00





PROP. R/W LINE

REMOVE GUY WIRE
WOOD POLE 30' (ID#926043)
AND GUY WIRE/DUKE ENERGY
TO BE REMOVED

PROPOSED 6" POLY GAS MAIN/LAKE APOPKA
TO BE CONSTRUCTED/ BY OTHERS

NOTE B:

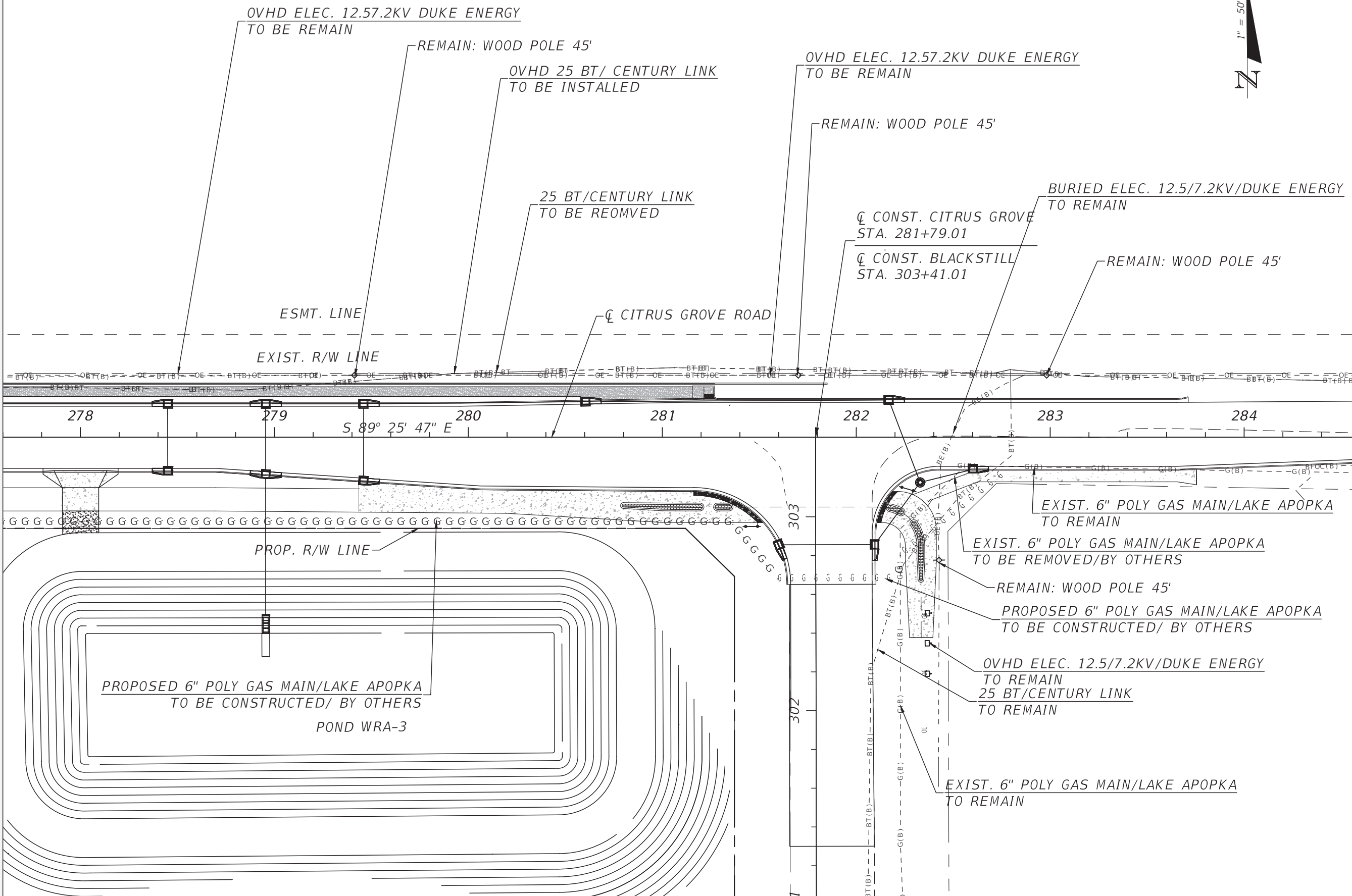
DUKE ENERGY WILL DECIDE TO EITHER
USE A SIDEWALK GUIDE WIRE AND/OR
CHANGE THE POLE OUT TO A 55FTC3 POLE. A FINAL DECISION AS TO WHICH OPTION
WILL BE USED WILL BE MADE DURING THE PRE-CONSTRUCTION MEETING.

REVISIONS	DATE	 DRMP <small>ENGINEERS SURVEYORS PLANNERS SCIENTISTS</small> DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 P 407.896.0594 F 407.896.4836	 LAKE COUNTY, FL <small>REAL FLORIDA REAL CLOSE</small>	LAKE COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		UTILITY ADJUSTMENT SHEET	SHEET NO. U-6
					ROAD		
				CITRUS GROVE ROAD	19-0910		

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STA: 277+60.00



REVISIONS	DATE

DATE

DRMP
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 DRMP, INC.
 941 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 P 407.896.0594 F 407.896.4836

LAKE COUNTY, FL
 REAL FLORIDA · REAL CLOSE

LAKE COUNTY
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 ROAD R50 NO.
 CITRUS GROVE ROAD 19-0910

JOHN R. BURKETT, P.E. LICENSE NO. 40064
 DATE:

UTILITY ADJUSTMENT SHEET

SHEET NO.
U-7

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