

COMPONENTS OF CONTRACT PLANS SET

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- INTELLIGENT TRANSPORTATION SYSTEMS PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

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5-11	TYPICAL SECTION
12	TYPICAL DETAILS
SQ-1-SQ-16	SUMMARY OF QUANTITIES
13-16	SUMMARY OF DRAINAGE STRUCTURES
17-18	OPTIONAL MATERIALS TABULATION
19-21	PROJECT LAYOUT
22	PROJECT CONTROL SHEET
23	GENERAL NOTES
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57-64	DRIVEWAY PROFILES
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245	SUMMARY OF VERIFIED UTILITIES

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GOVERNING DESIGN STANDARDS:

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<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm>

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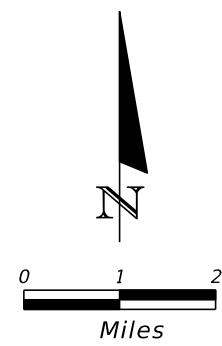
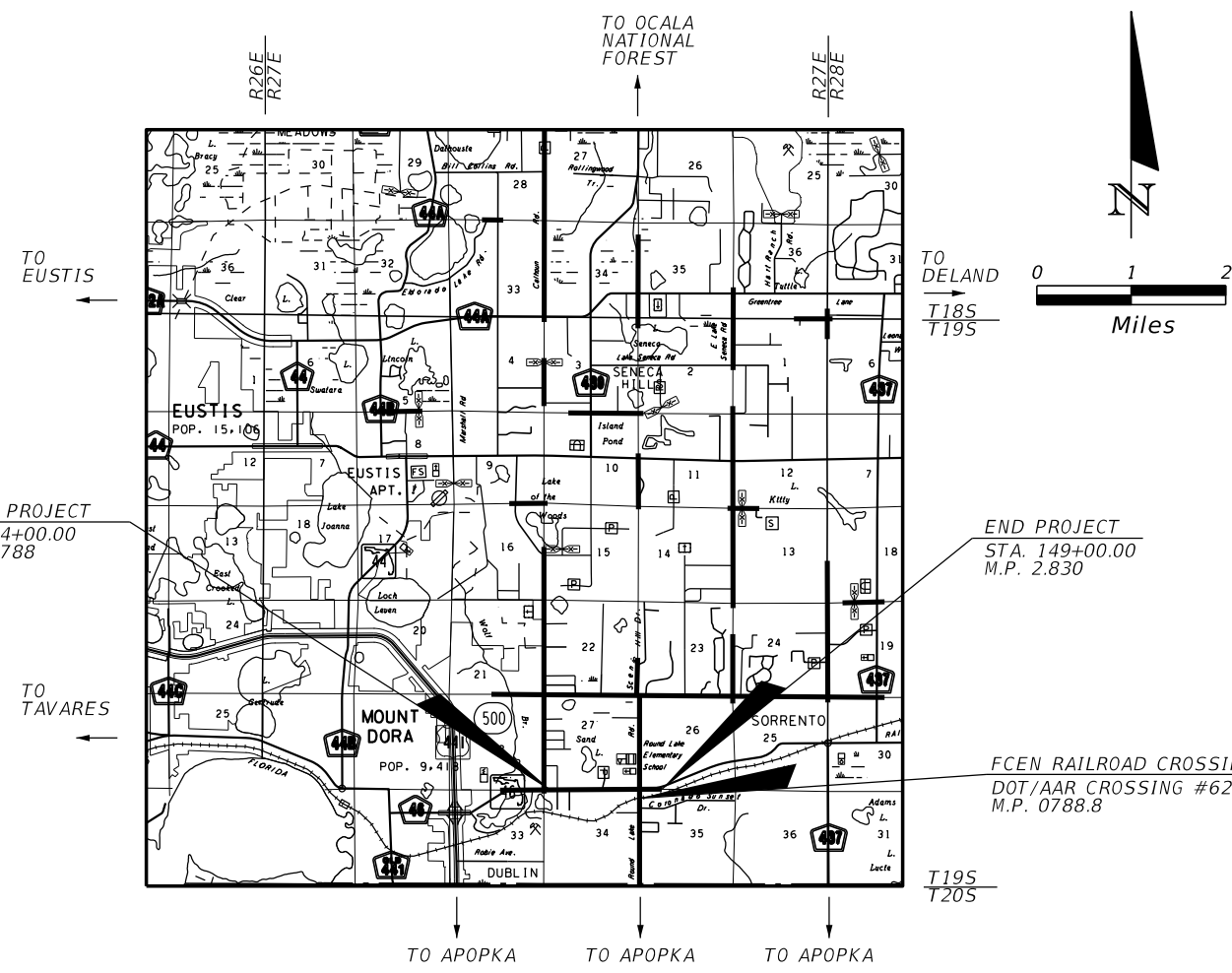
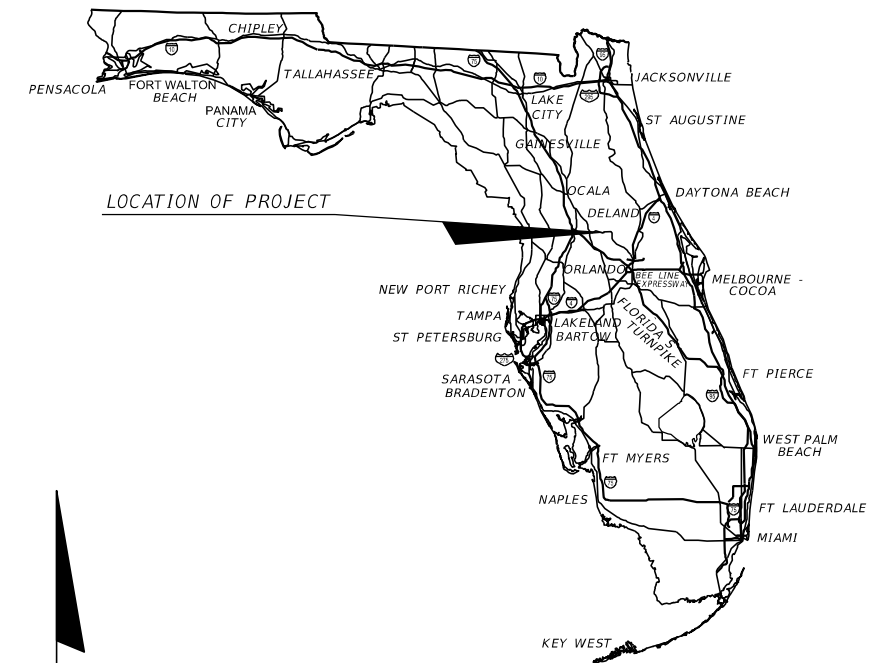
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 238275-3-52-01

LAKE COUNTY (11130)

STATE ROAD NO. 46



BEGIN PROJECT
STA. 94+00.00
M.P. 1.788

END PROJECT
STA. 149+00.00
M.P. 2.830

FCEN RAILROAD CROSSING
DOT/AAR CROSSING #621800B
M.P. 0788.8

REVISIONS:

- 1 FINANCIAL PROJECT ID 238275-3-52-01
Roadway Sheets 1, 2A, 3, 4 and 10
- 2 FINANCIAL PROJECT ID 238275-3-52-01
Roadway Sheets 1, 2B, SQ-8, 98-112, 114-119, 121-130, 136-144
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- 3 FINANCIAL PROJECT ID 238275-3-52-01
Roadway Sheets 1, 2C, SQ-2, SQ-3 and SQ-7

KEY SHEET REVISIONS

DATE	DESCRIPTION
05/16/17	ADDED SHEET 2A
06/01/17	ADDED SHEET 2B
08/11/17	ADDED SHEET 2C

**ROADWAY PLANS
ENGINEER OF RECORD:**

BRET W. BENNETT, P.E.
P.E. NO.: 53977
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
CONTRACT NO. C9B09
VENDOR NO. F592036861.001
CERTIFICATE OF AUTHORIZATION NO. 2856

FDOT PROJECT MANAGER:

CATALINA CHACON, PE

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

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5589	17	1

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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LIST OF REVISED INDEX DRAWINGS

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1	2A
2	2B

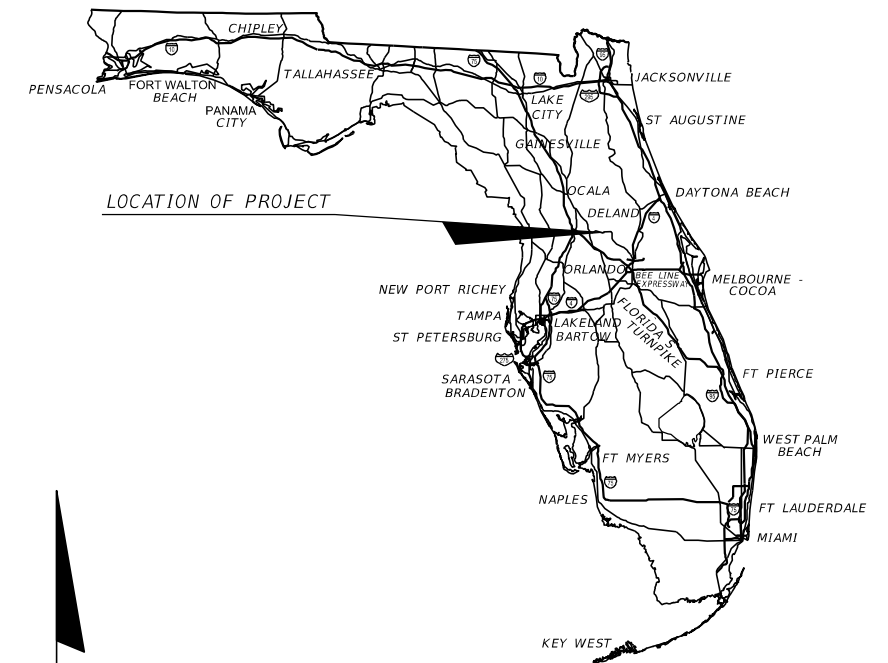
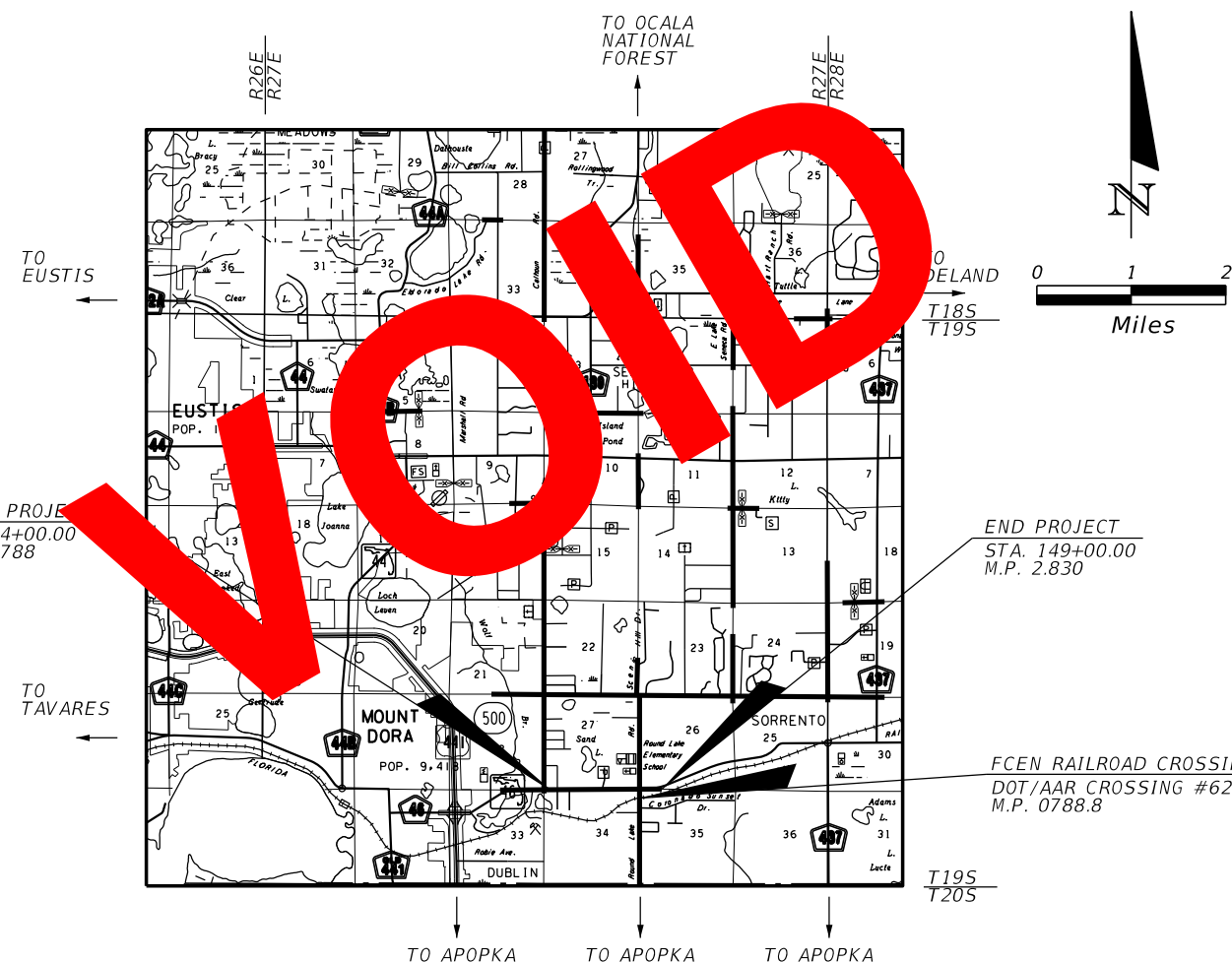
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06/01/17	ADDED SHEET 2B

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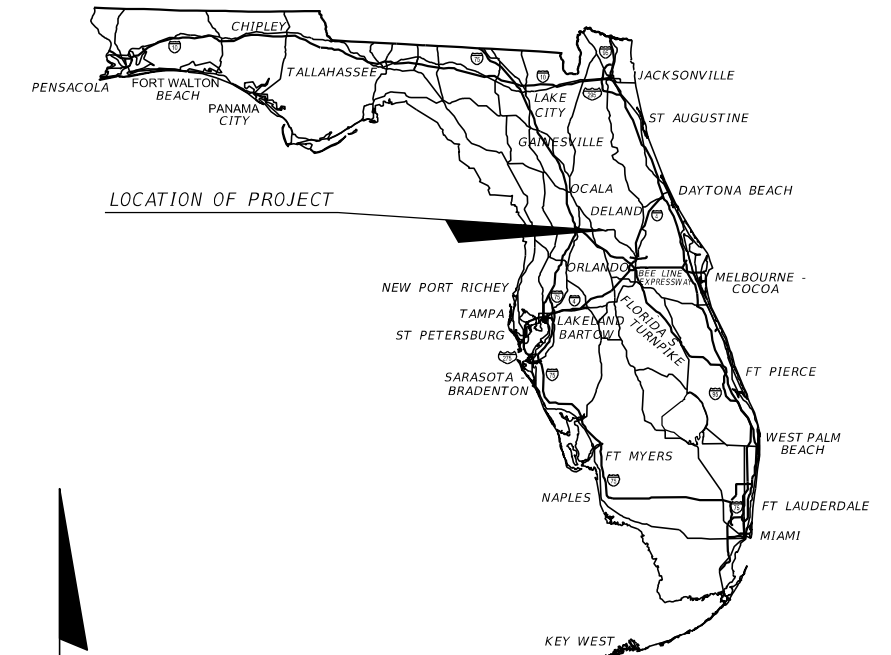
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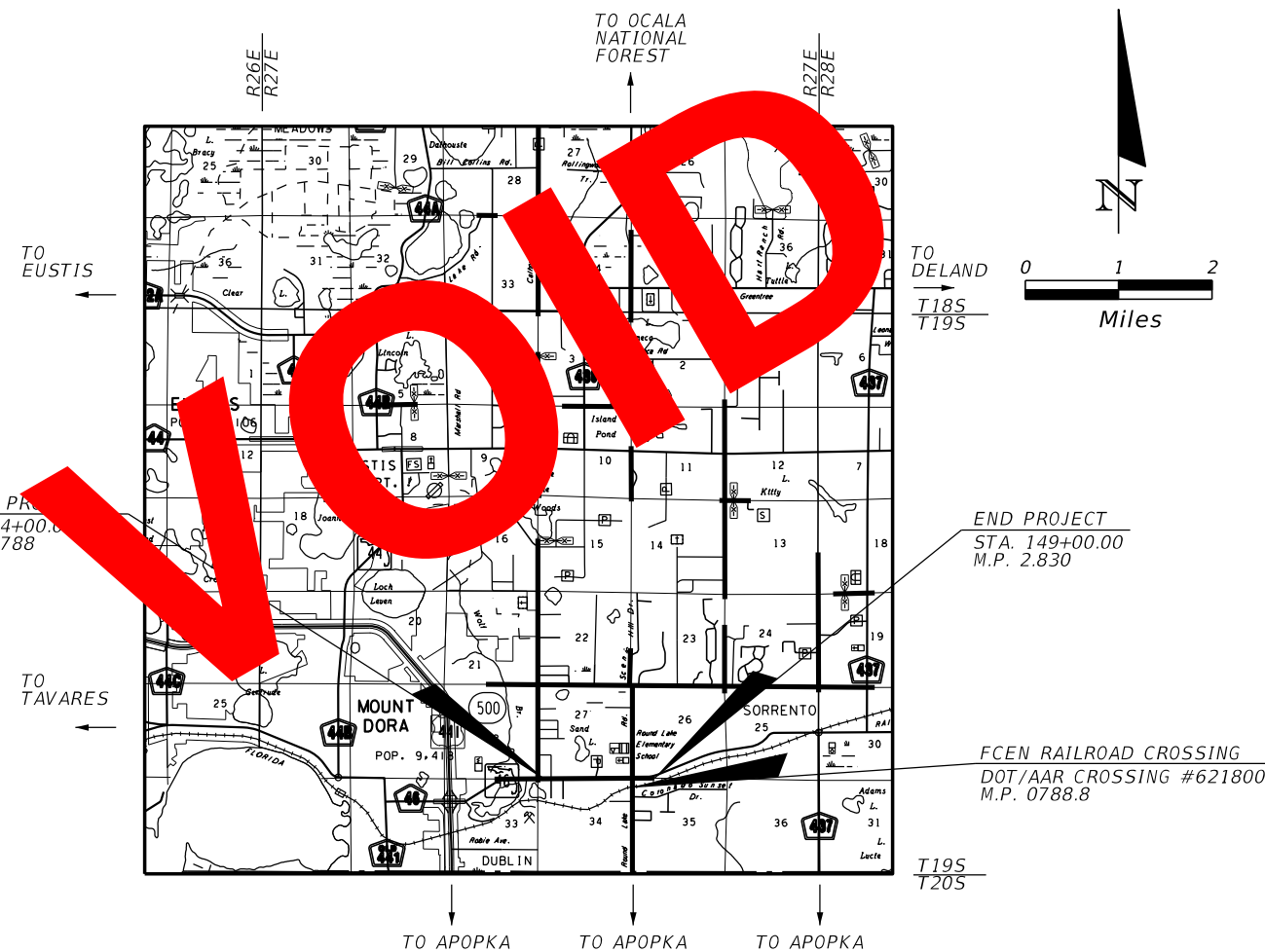
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T19S
T20S

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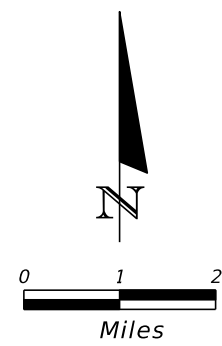
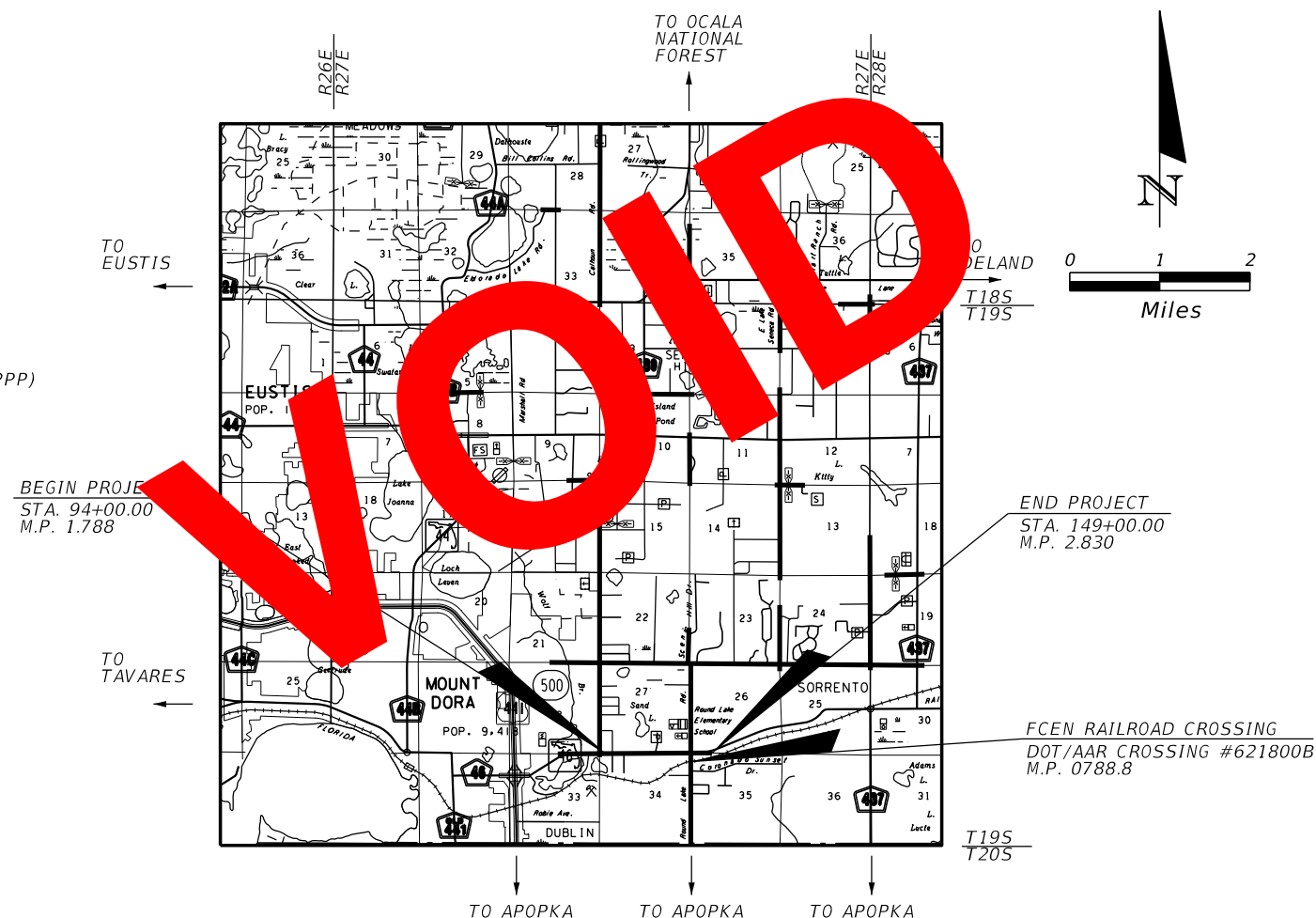
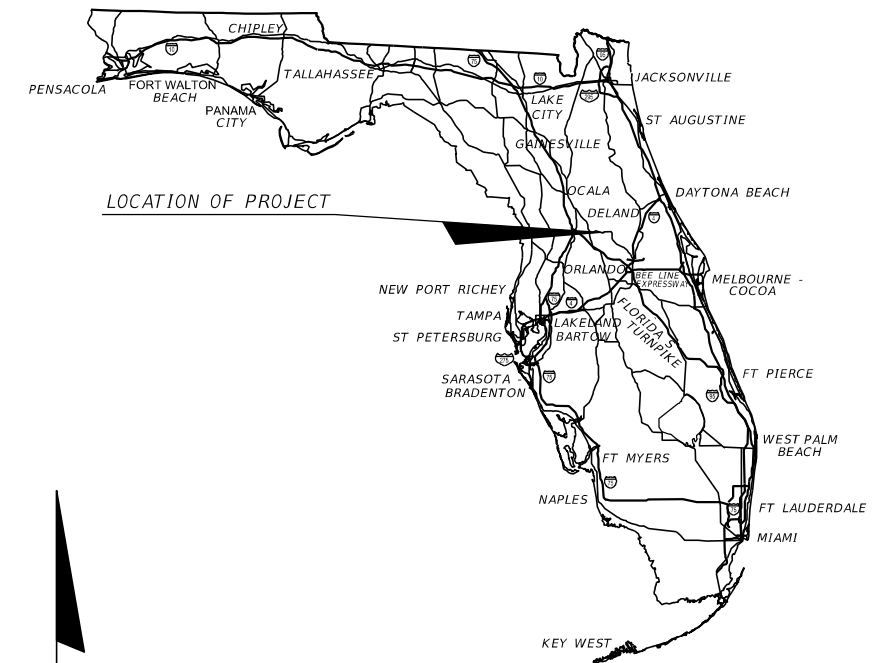
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

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LAKE COUNTY (11130)

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CERTIFICATE OF AUTHORIZATION NO. 2856

FDOT PROJECT MANAGER:

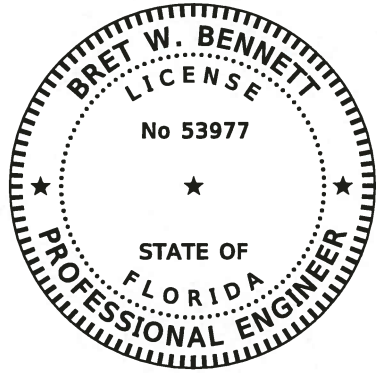
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REVISIONS:

KEY SHEET REVISIONS	
DATE	DESCRIPTION

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5589	17	1

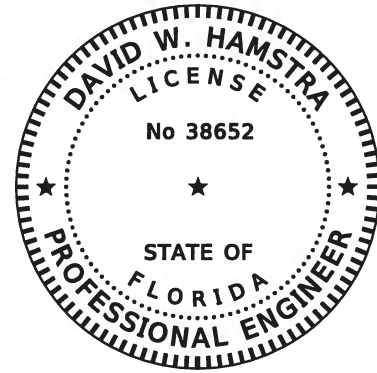


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LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
CERTIFICATE OF AUTHORIZATION NO. 2856
BRET W. BENNETT, P.E. NO. 53977

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
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13-16	SUMMARY OF DRAINAGE STRUCTURES
SQ-1	SUMMARY OF QUANTITIES
SQ-4-SQ-16	
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245	SUMMARY OF VERIFIED UTILITIES

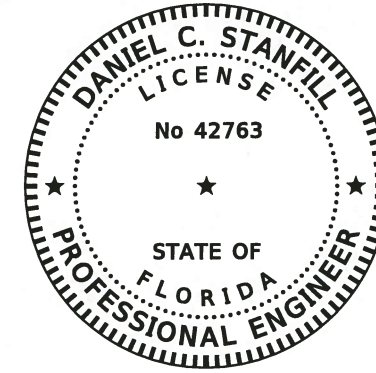
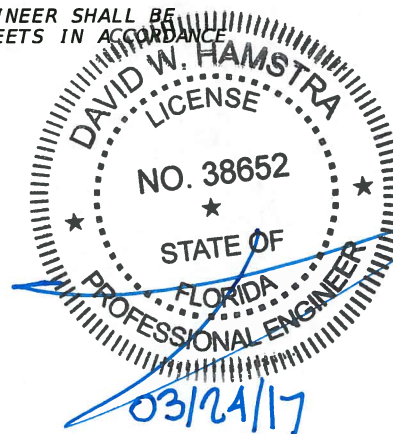


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PEGASUS ENGINEERING, LLC
301 W. STATE ROAD 434, SUITE 309
WINTER SPRINGS, FLORIDA 32708
CERTIFICATE OF AUTHORIZATION NO. 27770
DAVID W. HAMSTRA, P.E. NO. 38652

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

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
3-4	DRAINAGE MAPS

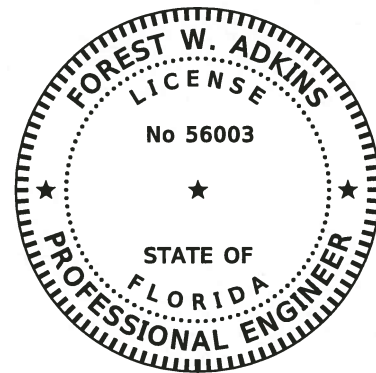


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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC
919 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814
CERTIFICATE OF AUTHORIZATION NO. 5882
DANIEL C. STANFILL, P.E. NO. 42763

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

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

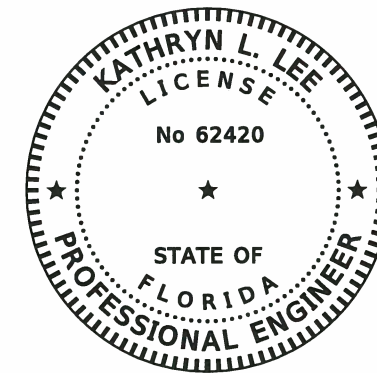


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MOFFATT & NICHOL
1025 GREENWOOD BLVD., STE. 371
LAKE MARY, FLORIDA 32746
CERTIFICATE OF AUTHORIZATION NO. 4877
FOREST W. ADKINS, P.E. NO. 56003

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

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
SQ-2-SQ-3	SUMMARY OF QUANTITIES
173-221	TEMPORARY TRAFFIC CONTROL PLANS



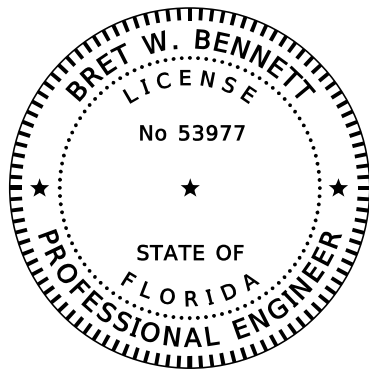
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VANASSE HANGEN BRUSTLIN, INC
225 E. ROBINSON ST, SUITE 300
LANDMARK CENTER TWO
ORLANDO, FLORIDA 32801
CERTIFICATE OF AUTHORIZATION NO. 3932
KATHRYN L. LEE, P.E. NO. 62420

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SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
222-228	TEMPORARY TRAFFIC CONTROL PLANS

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

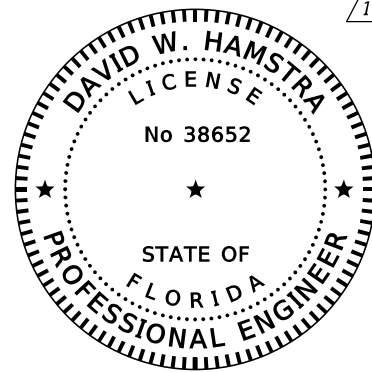


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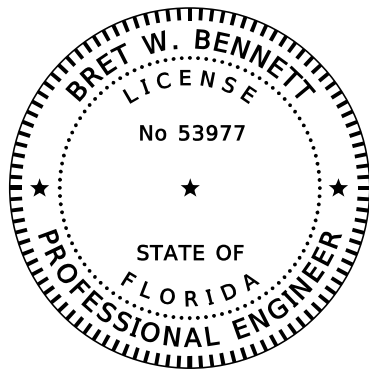
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<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2A	SIGNATURE SHEET
3-4	DRAINAGE MAPS

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO. 2A
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
1	ADDED SIGNATURE SHEET FOR DAVID HAMSTRA			46	LAKE	238275-3-52-01			



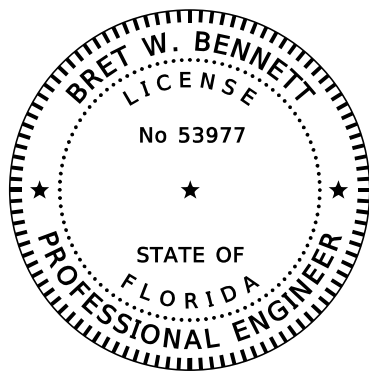
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REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO. 2B
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
06-01-17	2 ADDED SIGNATURE SHEET				46	LAKE	238275-3-52-01		

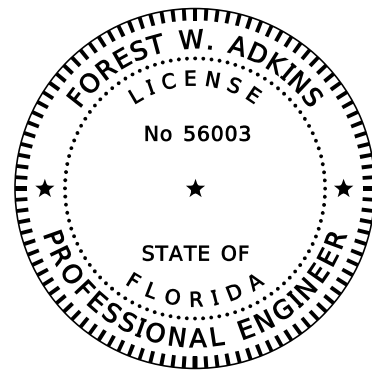


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LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
CERTIFICATE OF AUTHORIZATION NO. 2856
BRET W. BENNETT, P.E. NO. 53977

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2C	SIGNATURE SHEET
SQ-7	SUMMARY OF QUANTITIES



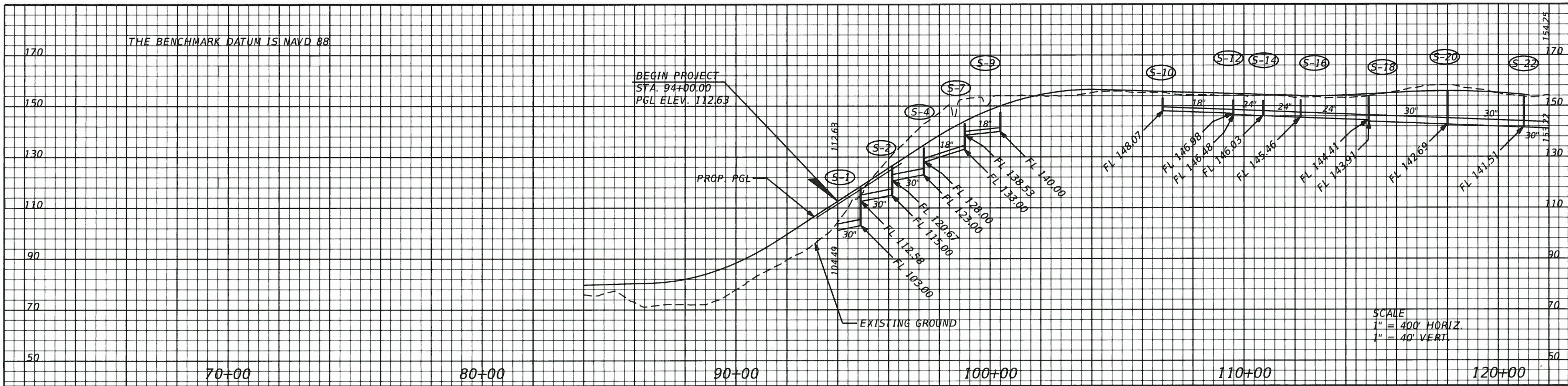
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

MOFFATT & NICHOL
1025 GREENWOOD BLVD., STE. 371
LAKE MARY, FLORIDA 32746
CERTIFICATE OF AUTHORIZATION NO. 4877
FOREST W. ADKINS, P.E. NO. 56003

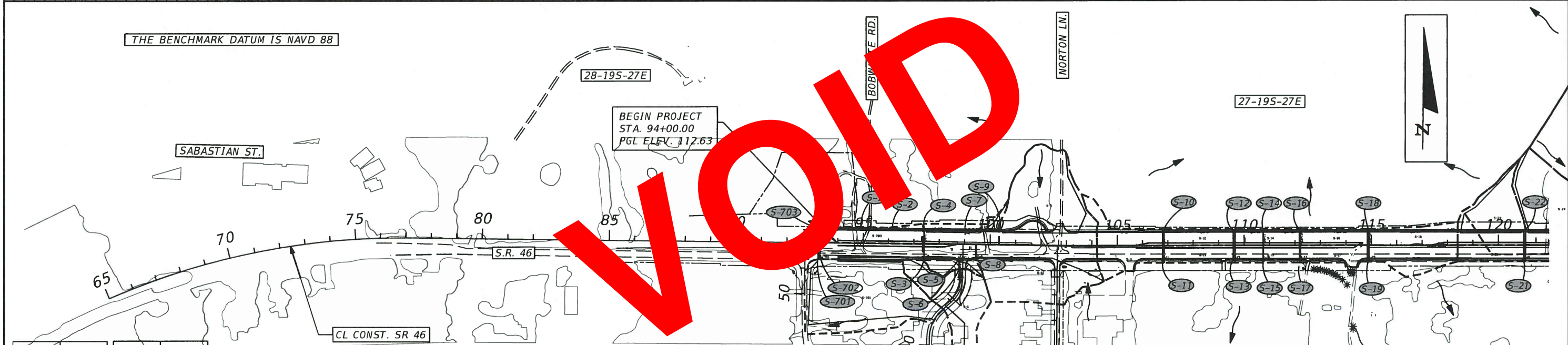
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2C	SIGNATURE SHEET
SQ-2 & SQ-3	SUMMARY OF QUANTITIES

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
08-11-17	3 ADDED SIGNATURE SHEET				46	LAKE	238275-3-52-01		

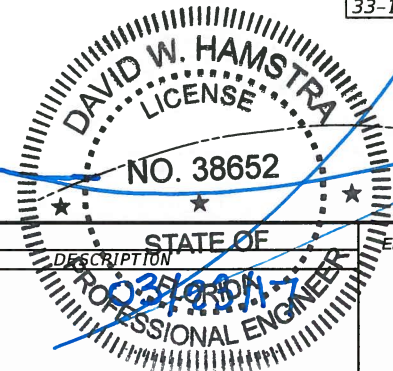


SCALE
 1" = 400' HORIZ.
 1" = 40' VERT.



STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA
S-3	0.53	S-701	2.89
S-4	0.60	S-702	0.93
S-6	1.04	S-703	0.62
S-8	2.23		
S-9	2.48		
S-10	0.55		
S-11	0.55		
S-12	0.42		
S-13	0.44		
S-14	0.37		
S-15	0.39		
S-16	0.39		
S-17	0.44		
S-18	0.60		
S-19	0.74		
S-21	0.39		
S-22	1.23		

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS



ENGINEER OF RECORD: DAVID WAYNE HAMSTRA, P.E.
 LICENSE # 38652
 PEGASUS ENGINEERING, LLC
 301 W. STATE ROAD 434 SUITE 309
 WINTER SPRINGS, FLORIDA 32708
 TEL. (407) 992-9160
 CERTIFICATE OF AUTHORIZATION NO. 27770

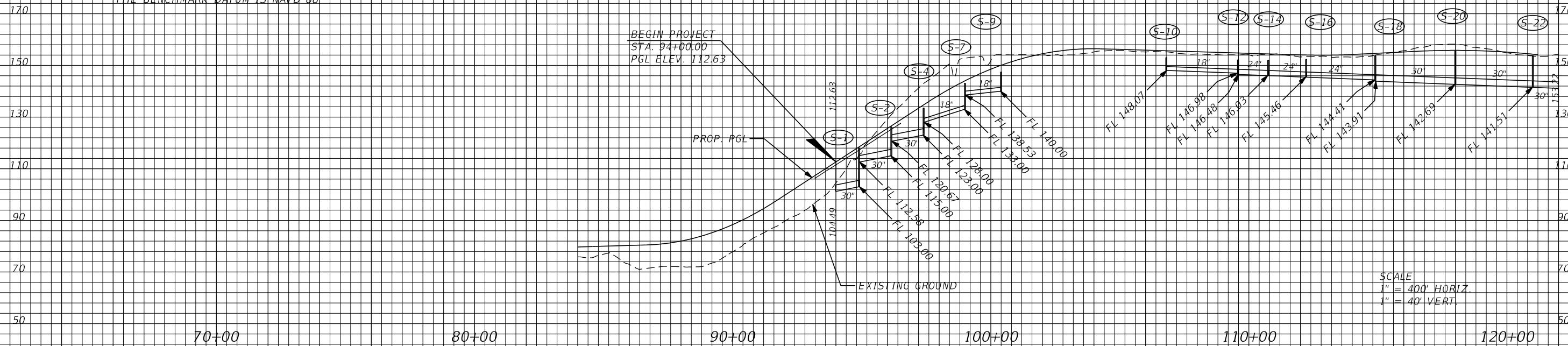
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE MAP (1)

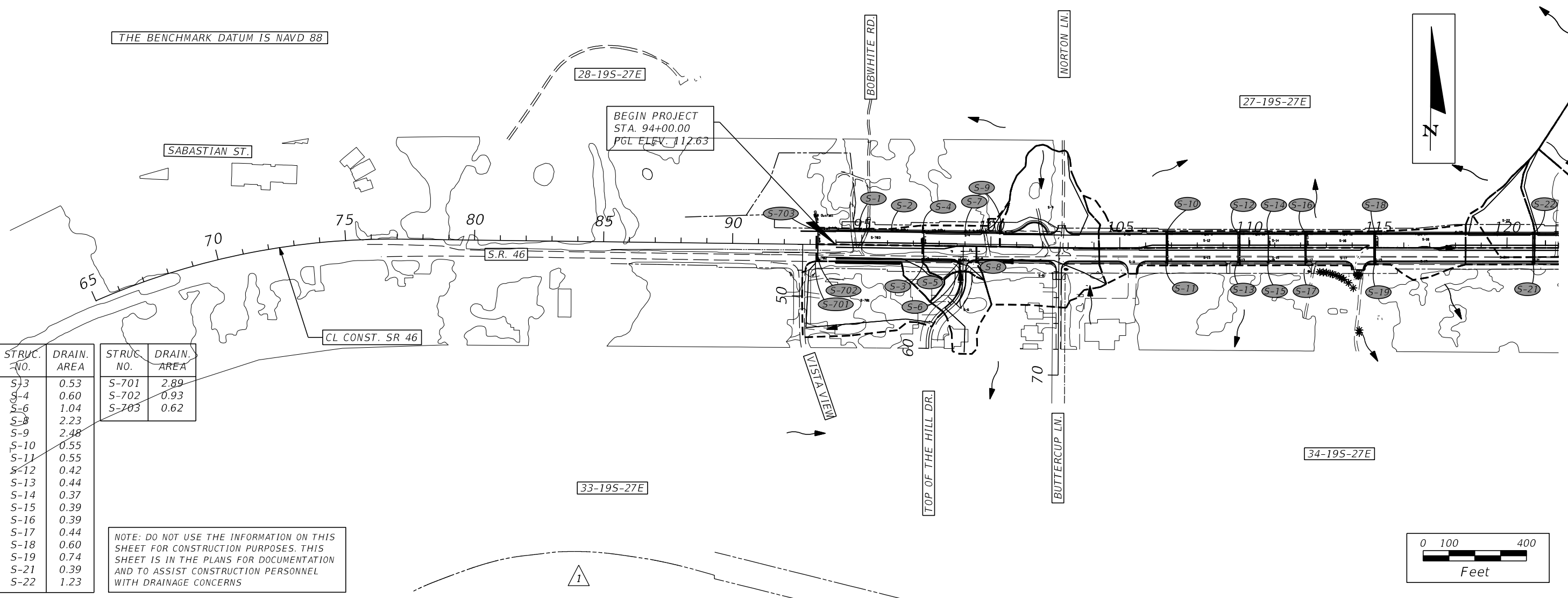
SHEET NO.
3

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

THE BENCHMARK DATUM IS NAVD 88



THE BENCHMARK DATUM IS NAVD 88



STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA
S-3	0.53	S-701	2.89
S-4	0.60	S-702	0.93
S-6	1.04	S-703	0.62
S-8	2.23		
S-9	2.48		
S-10	0.55		
S-11	0.55		
S-12	0.42		
S-13	0.44		
S-14	0.37		
S-15	0.39		
S-16	0.39		
S-17	0.44		
S-18	0.60		
S-19	0.74		
S-21	0.39		
S-22	1.23		

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
1	WET SEAL REPLACED WITH DIGITAL SIGNATURE		

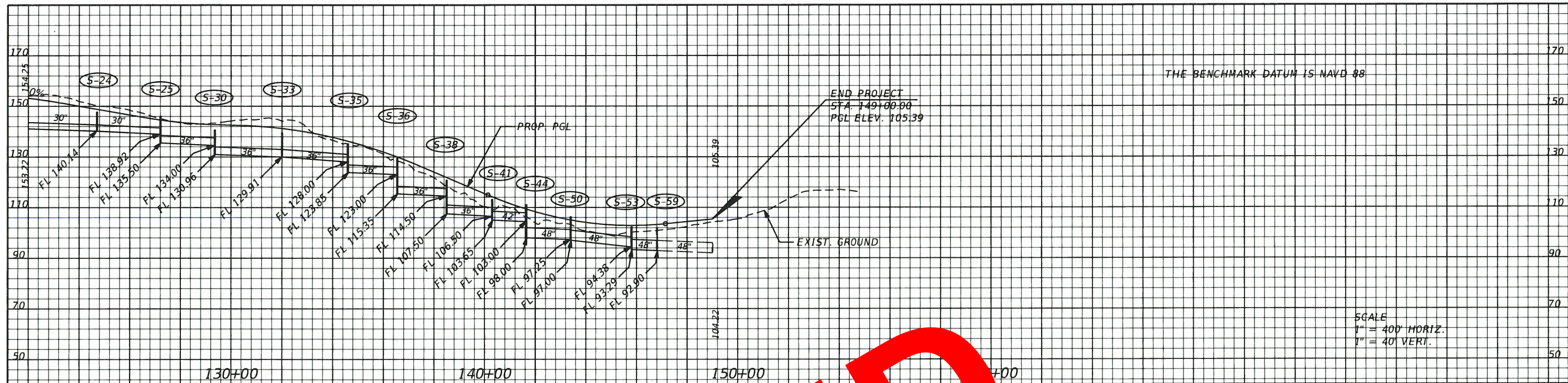
ENGINEER OF RECORD: DAVID WAYNE HAMSTRA, P.E.
LICENSE # 38652
PEGASUS ENGINEERING, LLC
301 W. STATE ROAD 434 SUITE 309
WINTER SPRINGS, FLORIDA 32708
TEL. (407) 992-9160
CERTIFICATE OF AUTHORIZATION NO. 27770

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE MAP (1)

SHEET NO.
3

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



THE BENCHMARK DATUM IS NAVD 88

SCALE
 1" = 40' HORIZ.
 1" = 40' VERT.

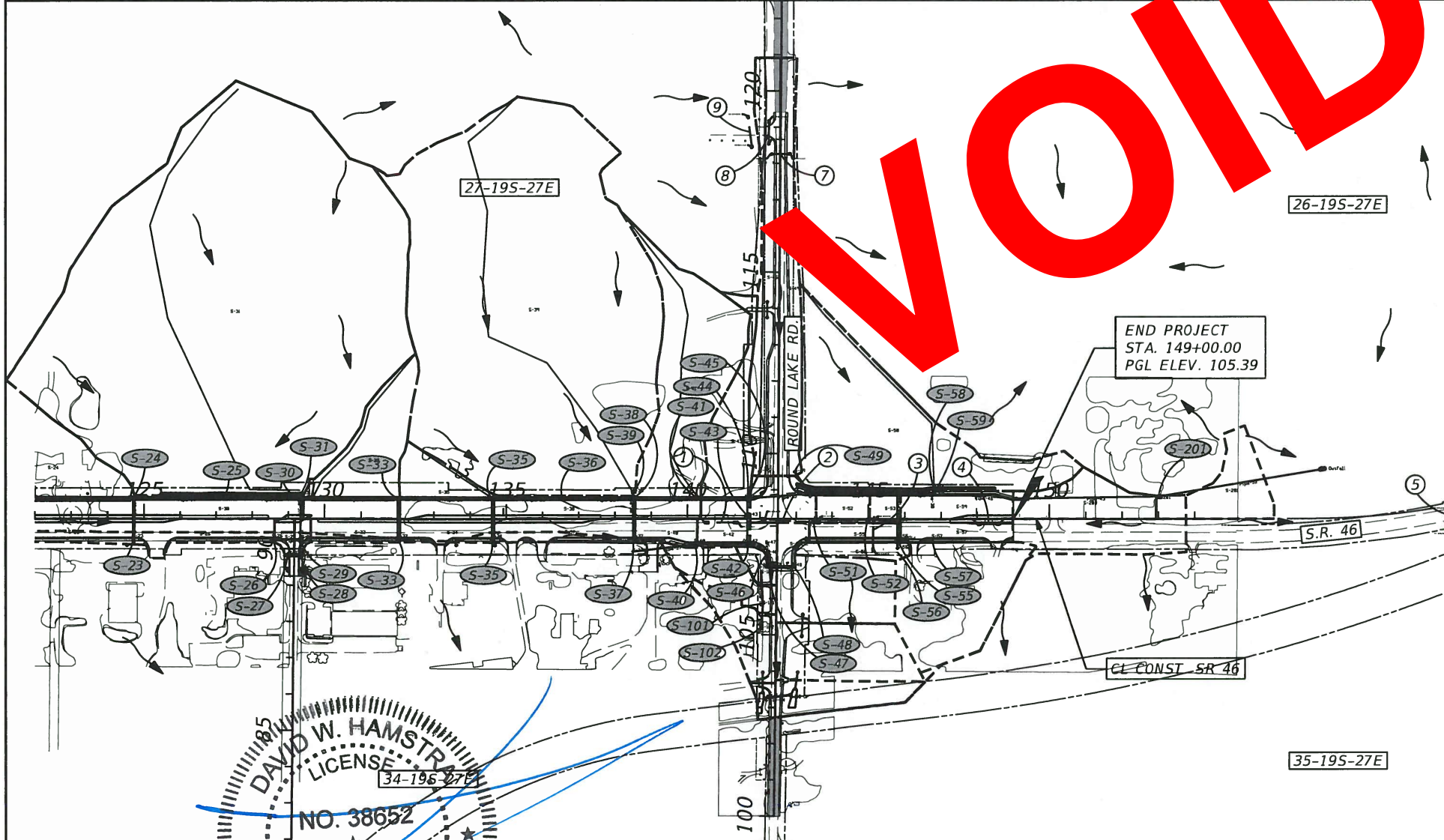
VOID

THE BENCHMARK DATUM IS NAVD 88

STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA
S-23	0.55	S-40	0.18	S-58	4.14
S-24	2.23	S-41	3.08	S-59	0.56
S-26	0.64	S-42	0.26	S-200	0.84
S-27	0.11	S-43	1.16	S-201	0.94
S-28	0.09	S-45	1.70		
S-30	0.69	S-47	0.16		
S-31	19.58	S-48	0.20		
S-32	0.36	S-49	1.38		
S-33	1.65	S-51	0.18		
S-34	0.39	S-52	0.30		
S-35	0.86	S-53	0.17		
S-37	0.58	S-55	0.31		
S-38	0.57	S-56	0.30		
S-39	14.85	S-57	0.45		

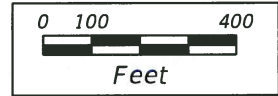


NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS



EXISTING DRAINAGE STRUCTURES

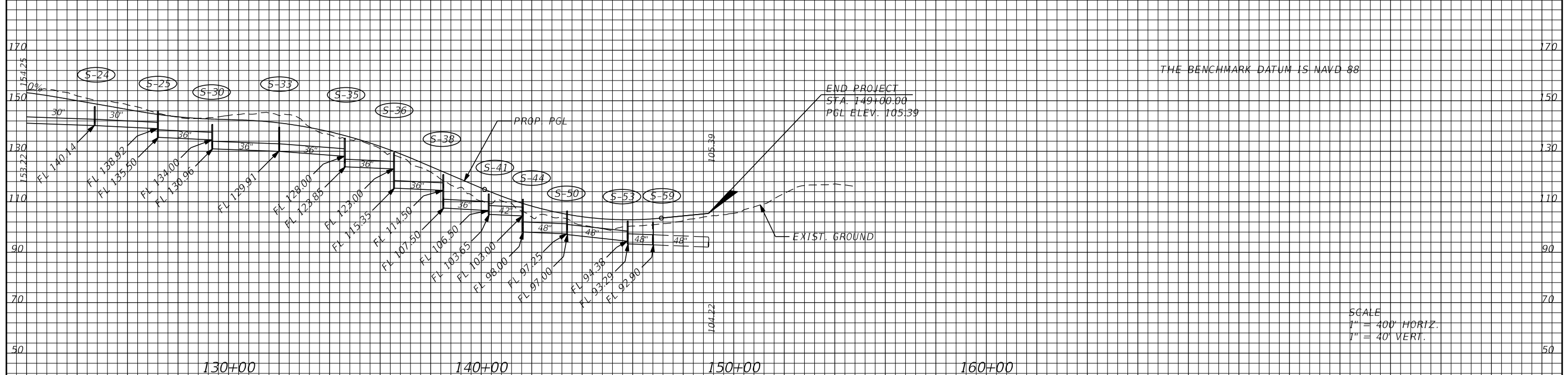
- ① 24" RCP
INV. ELEV. 106.67 (W)
INV. ELEV. 104.17 (E)
- ② 24" RCP
INV. ELEV. 100.15 (W)
INV. ELEV. 99.28 (E)
- ③ 18" RCP
INV. ELEV. 97.50 (N)
INV. ELEV. 97.53 (S)
- ④ 18" RCP
INV. ELEV. 99.85 (W)
INV. ELEV. 100.78 (E)
- ⑤ 24" RCP
INV. ELEV. 91.98 (N)
INV. ELEV. 89.87 (S)
- ⑥ 24" RCP
INV. ELEV. 92.00 (N)
INV. ELEV. 89.87 (S)
- ⑦ 18" RCP
INV. ELEV. 144.32 (W)
INV. ELEV. 144.43 (E)
- ⑧ 18" RCP
INV. ELEV. 144.22 (N)
INV. ELEV. 143.97 (S)
- ⑨ 15" RCP
INV. ELEV. 144.83 (N)
INV. ELEV. 145.84 (S)



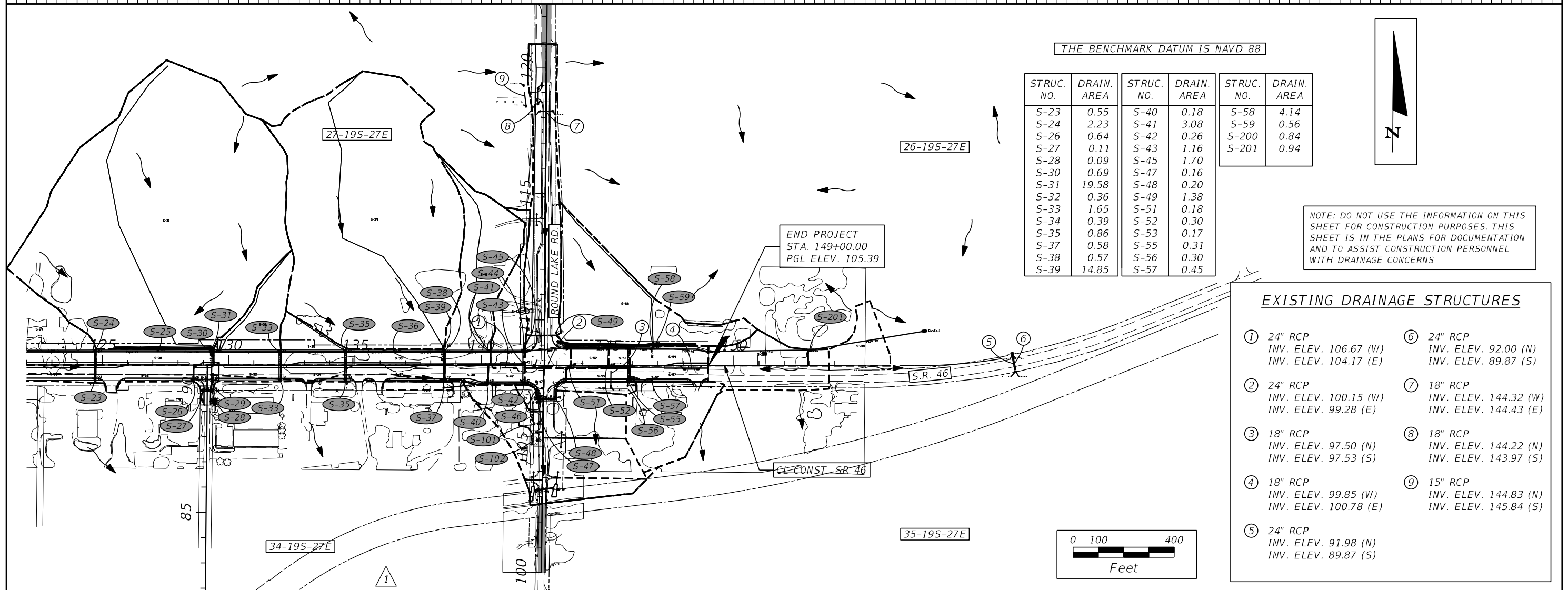
DAVID W. HAMSTRA
 LICENSE NO. 38652
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA

DATE	DESCRIPTION	STATE OF FLORIDA	DATE	DESCRIPTION	ENGINEER OF RECORD: DAVID WAYNE HAMSTRA, P.E. LICENSE # 38652	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO.
					PEGASUS ENGINEERING, LLC 301 W. STATE ROAD 434 SUITE 309 WINTER SPRINGS, FLORIDA 32708 TEL. (407) 992-9160 CERTIFICATE OF AUTHORIZATION NO. 27770	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
						46	LAKE	238275-3-52-01
								DRAINAGE MAP (2)
								4

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SCALE
 1" = 400' HORIZ.
 1" = 40' VERT.



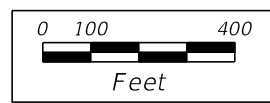
THE BENCHMARK DATUM IS NAVD 88

STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA
S-23	0.55	S-40	0.18	S-58	4.14
S-24	2.23	S-41	3.08	S-59	0.56
S-26	0.64	S-42	0.26	S-200	0.84
S-27	0.11	S-43	1.16	S-201	0.94
S-28	0.09	S-45	1.70		
S-30	0.69	S-47	0.16		
S-31	19.58	S-48	0.20		
S-32	0.36	S-49	1.38		
S-33	1.65	S-51	0.18		
S-34	0.39	S-52	0.30		
S-35	0.86	S-53	0.17		
S-37	0.58	S-55	0.31		
S-38	0.57	S-56	0.30		
S-39	14.85	S-57	0.45		

NOTE: DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS

EXISTING DRAINAGE STRUCTURES

① 24" RCP INV. ELEV. 106.67 (W) INV. ELEV. 104.17 (E)	⑥ 24" RCP INV. ELEV. 92.00 (N) INV. ELEV. 89.87 (S)
② 24" RCP INV. ELEV. 100.15 (W) INV. ELEV. 99.28 (E)	⑦ 18" RCP INV. ELEV. 144.32 (W) INV. ELEV. 144.43 (E)
③ 18" RCP INV. ELEV. 97.50 (N) INV. ELEV. 97.53 (S)	⑧ 18" RCP INV. ELEV. 144.22 (N) INV. ELEV. 143.97 (S)
④ 18" RCP INV. ELEV. 99.85 (W) INV. ELEV. 100.78 (E)	⑨ 15" RCP INV. ELEV. 144.83 (N) INV. ELEV. 145.84 (S)
⑤ 24" RCP INV. ELEV. 91.98 (N) INV. ELEV. 89.87 (S)	



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
1	WET SEAL REPLACED WITH DIGITAL SIGNATURE		

ENGINEER OF RECORD: DAVID WAYNE HAMSTRA, P.E.
 LICENSE # 38652
 PEGASUS ENGINEERING, LLC
 301 W. STATE ROAD 434 SUITE 309
 WINTER SPRINGS, FLORIDA 32708
 TEL. (407) 992-9160
 CERTIFICATE OF AUTHORIZATION NO. 27770

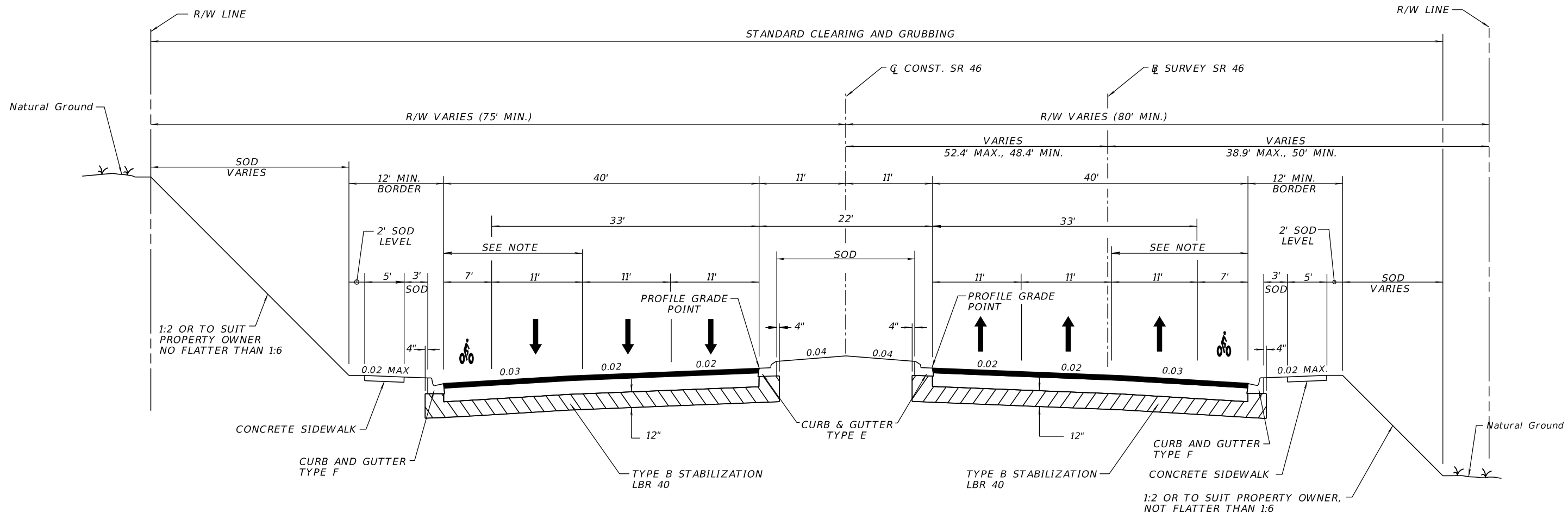
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE MAP (2)

SHEET NO. 4

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



TYPICAL SECTION NOTES:

1. PORTLAND CEMENT CONCRETE SLABS EXIST UNDERNEATH SR 46 IN THE AREA OF RECONSTRUCTION WHICH WILL REQUIRE REMOVAL. FOR MORE INFORMATION REFER TO THE SUMMARY OF QUANTITIES/SUMMARY OF REMOVAL ITEMS AND SPECIAL DETAILS, FOR DIMENSIONS AND THICKNESSES OF THE SLABS TO BE REMOVED.
2. PAVEMENT CORING DATA, INCLUDING BASE MATERIAL TYPE AND THICKNESS, IS AVAILABLE ON THE DEPARTMENT'S WEBSITE. THE URL FOR OBTAINING THIS INFORMATION IS LOCATED AT <https://ftp.fdot.gov>. AFTER ACCESSING AS "GUEST", CLICK ON THE FOLLOWING FOLDER DIRECTORIES AS FOLLOWS: FTP, FDOT LTS, D5, CONSTRUCTION, PAVEMENT CORING DATA. THE PAVEMENT CORING DATA FOR THIS PROJECT IS LISTED IN ONE OF THE COUNTIES FOR WHICH THE PROJECT IS LOCATED IN. THE DATA REPRESENTS MATERIALS ENCOUNTERED AT EACH CORING LOCATION. MATERIAL VARIATIONS BETWEEN CORES SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS.

**TYPICAL SECTION NO. 1
SR 46
STA. 94+00.00 TO STA. 142+49.69**

NOTE: IN LOCATIONS WITH SPOT GUTTER GRADES, VARY THE CROSS SLOPE IN THIS AREA TO ACHIEVE GRADES. SEE PLAN SHEETS FOR LOCATIONS.
SEE DRAINAGE STRUCTURES: S-14 AND S-15, STA 110+75.00

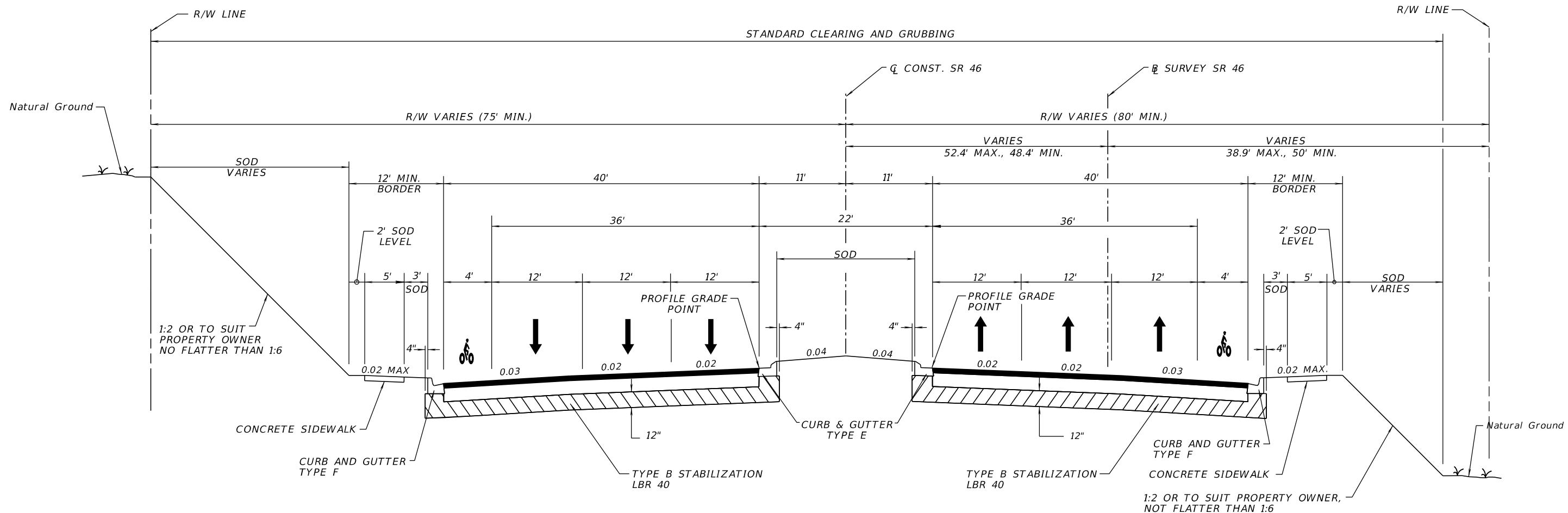
NEW CONSTRUCTION

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

**TRAFFIC DATA
STA. 94+00.00 TO STA. 142+49.69**

CURRENT YEAR = 2012 AADT = 11,000
ESTIMATED OPENING YEAR = 2019 AADT = 18,000
ESTIMATED DESIGN YEAR = 2039 AADT = 39,000
K = 9% D = 54.9% T = 11.7% (24 HOUR)
DESIGN HOUR T = 6.5%
DESIGN SPEED = 45 MPH

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (1) SR 46	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



TYPICAL SECTION NO. 2
SR 46
STA. 142+49.69 TO STA. 149+00.00

TYPICAL SECTION NOTES:

1. PORTLAND CEMENT CONCRETE SLABS EXIST UNDERNEATH SR 46 IN THE AREA OF RECONSTRUCTION WHICH WILL REQUIRE REMOVAL. FOR MORE INFORMATION REFER TO THE SUMMARY OF QUANTITIES/SUMMARY OF REMOVAL ITEMS AND SPECIAL DETAILS, FOR DIMENSIONS AND THICKNESSES OF THE SLABS TO BE REMOVED.
2. PAVEMENT CORING DATA, INCLUDING BASE MATERIAL TYPE AND THICKNESS, IS AVAILABLE ON THE DEPARTMENT'S WEBSITE. THE URL FOR OBTAINING THIS INFORMATION IS LOCATED AT https://ftp.flhwy.com/ftp/fdot/lts/d5/construction/pavement_coring_data. THE PAVEMENT CORING DATA FOR THIS PROJECT IS LISTED IN ONE OF THE COUNTIES FOR WHICH THE PROJECT IS LOCATED IN. THE DATA REPRESENTS MATERIALS ENCOUNTERED AT EACH CORING LOCATION. MATERIAL VARIATIONS BETWEEN CORES SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS.

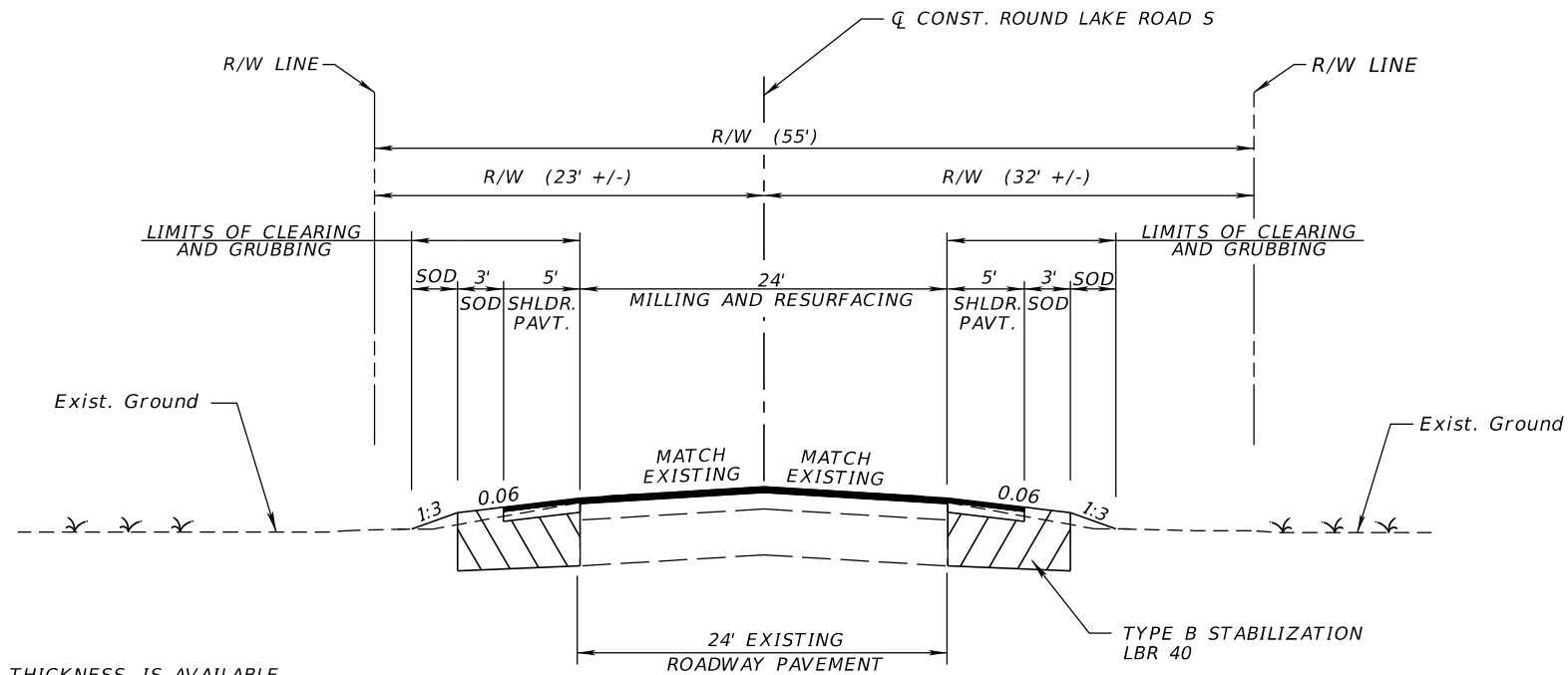
TRAFFIC DATA
STA. 142+49.69 TO STA. 149+00.00

CURRENT YEAR = 2012 AADT = 9,800
 ESTIMATED OPENING YEAR = 2019 AADT = 19,500
 ESTIMATED DESIGN YEAR = 2039 AADT = 46,500
 K = 9% D = 54.9% T = 11.7% (24 HOUR)
 DESIGN HOUR T = 6.5%
 DESIGN SPEED = 45 MPH

NEW CONSTRUCTION

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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (2) SR 46	SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



TYPICAL SECTION NOTES:

- PAVEMENT CORING DATA, INCLUDING BASE MATERIAL TYPE AND THICKNESS, IS AVAILABLE ON THE DEPARTMENT'S WEBSITE. THE URL FOR OBTAINING THIS INFORMATION IS LOCATED AT <https://ftp.fdot.gov>. AFTER ACCESSING AS "GUEST", CLICK ON THE FOLLOWING FOLDER DIRECTORIES AS FOLLOWS: FTP, FDOT LTS, D5, CONSTRUCTION, PAVEMENT CORING DATA. THE PAVEMENT CORING DATA FOR THIS PROJECT IS LISTED IN ONE OF THE COUNTIES FOR WHICH THE PROJECT IS LOCATED IN. THE DATA REPRESENTS MATERIALS ENCOUNTERED AT EACH CORING LOCATION. MATERIAL VARIATIONS BETWEEN CORES SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS.

**TYPICAL SECTION NO. 3
ROUND LAKE ROAD SOUTH
STA. 100+00.00 TO STA. 102+69.88 (R/R CROSSING)**

MILLING

MILL EXISTING ASPHALT PAVEMENT
FOR DEPTH (2")

RESURFACING

FRICITION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

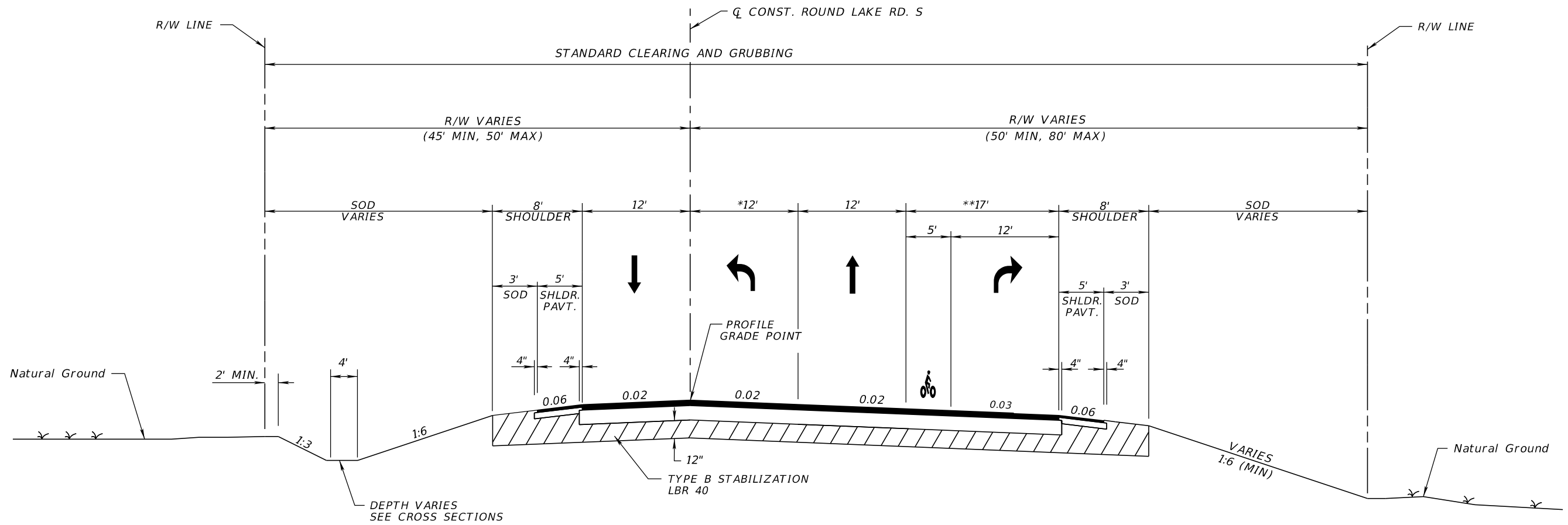
PAVED SHOULDERS

OPTIONAL BASE GROUP 1 WITH
FRICITION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2012 AADT = 4,100
 ESTIMATED OPENING YEAR = 2019 AADT = 7,000
 ESTIMATED DESIGN YEAR = 2039 AADT = 16,500
 K = 9% D = 54.7% T = 8.1% (24 HOUR)
 DESIGN HOUR T = 4.1%
 DESIGN SPEED = 45 MPH

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (3) SR 46	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



**TYPICAL SECTION NO. 4
ROUND LAKE ROAD SOUTH
STA. 102+73.74 (R/R CROSSING) TO STA. 107+68.66**

TYPICAL SECTION NOTES:

1. PAVEMENT CORING DATA, INCLUDING BASE MATERIAL TYPE AND THICKNESS, IS AVAILABLE ON THE DEPARTMENT'S WEBSITE. THE URL FOR OBTAINING THIS INFORMATION IS LOCATED AT <https://ftp.fdot.gov>. AFTER ACCESSING AS "GUEST", CLICK ON THE FOLLOWING FOLDER DIRECTORIES AS FOLLOWS: FTP, FDOT LTS, D5, CONSTRUCTION, PAVEMENT CORING DATA. THE PAVEMENT CORING DATA FOR THIS PROJECT IS LISTED IN ONE OF THE COUNTIES FOR WHICH THE PROJECT IS LOCATED IN. THE DATA REPRESENTS MATERIALS ENCOUNTERED AT EACH CORING LOCATION. MATERIAL VARIATIONS BETWEEN CORES SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS.

TRAFFIC DATA

CURRENT YEAR	=	2012 AADT	=	4,100		
ESTIMATED OPENING YEAR	=	2019 AADT	=	7,000		
ESTIMATED DESIGN YEAR	=	2039 AADT	=	16,500		
K	=	9%	D =	54.7%	T =	8.1% (24 HOUR)
DESIGN HOUR T	=	4.1%				
DESIGN SPEED	=	45 MPH				

NEW CONSTRUCTION

OPTIONAL BASE GROUP 6 WITH
FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

PAVED SHOULDERS

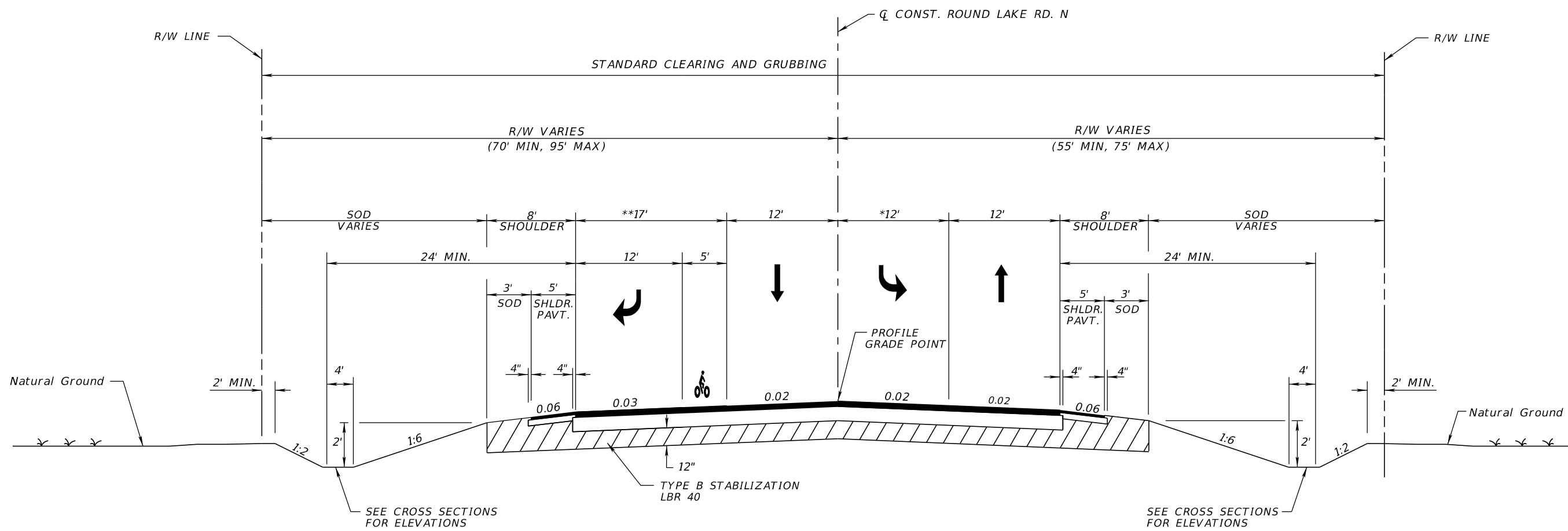
OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

TYPICAL SECTION NOTES

* VARIES 0'-12' STA. 102+80.00 TO STA. 104+90.00
** VARIES 0'-17' STA. 102+80.00 TO STA. 104+90.00

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (4) SR 46	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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



**TYPICAL SECTION NO. 5
ROUND LAKE ROAD NORTH
STA. 108+70.67 TO STA. 119+40.00**

TYPICAL SECTION NOTE:

1. PAVEMENT CORING DATA, INCLUDING BASE MATERIAL TYPE AND THICKNESS, IS AVAILABLE ON THE DEPARTMENT'S WEBSITE. THE URL FOR OBTAINING THIS INFORMATION IS LOCATED AT <https://ftp.fdot.gov>. AFTER ACCESSING AS "GUEST", CLICK ON THE FOLLOWING FOLDER DIRECTORIES AS FOLLOWS: FTP, FDOT LTS, D5, CONSTRUCTION, PAVEMENT CORING DATA. THE PAVEMENT CORING DATA FOR THIS PROJECT IS LISTED IN ONE OF THE COUNTIES FOR WHICH THE PROJECT IS LOCATED IN. THE DATA REPRESENTS MATERIALS ENCOUNTERED AT EACH CORING LOCATION. MATERIAL VARIATIONS BETWEEN CORES SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS.

NEW CONSTRUCTION
OPTIONAL BASE GROUP 6 WITH
FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

PAVED SHOULDERS
OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

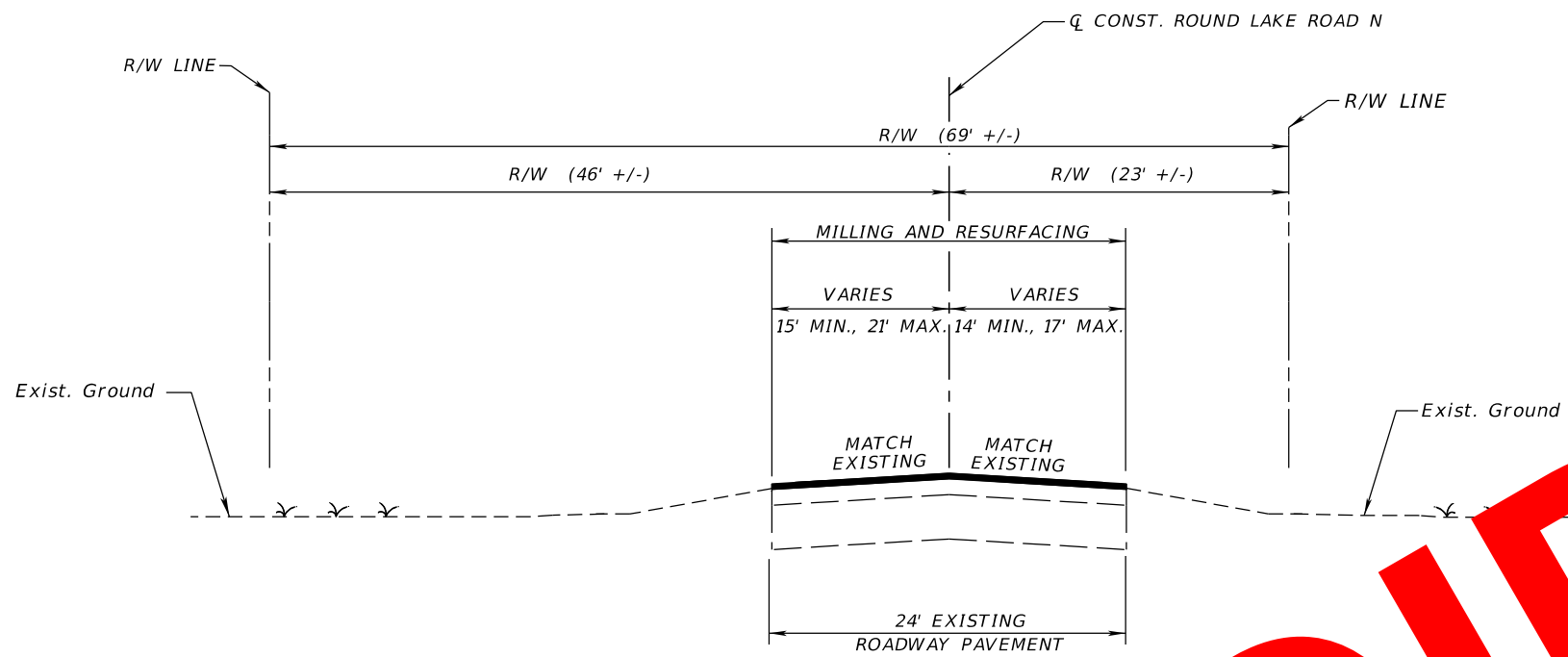
TRAFFIC DATA

CURRENT YEAR = 2012 AADT = 2,400
ESTIMATED OPENING YEAR = 2019 AADT = 8,600
ESTIMATED DESIGN YEAR = 2039 AADT = 26,500
K = 9% D = 54.7% T = 8.1% (24 HOUR)
DESIGN HOUR T = 4.1%
DESIGN SPEED = 45 MPH

TYPICAL SECTION NOTES
* VARIES 12'-0" STA. 113+60.00 TO STA. 117+70.00
** VARIES 17'-0" STA. 112+56.00 TO STA. 113+06.00

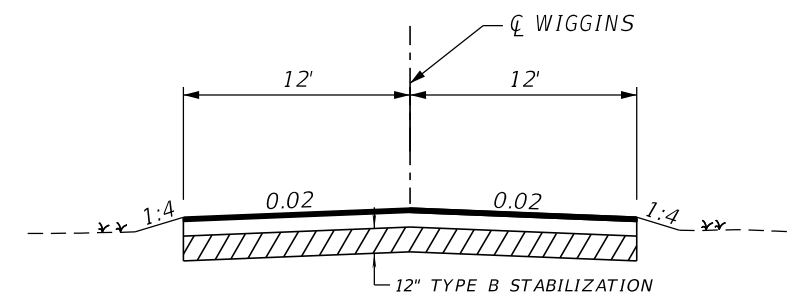
REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (5) SR 46	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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



TYPICAL SECTION NO. 6
 ROUND LAKE ROAD NORTH
 STA. 119+40.00 TO STA. 122+50.00

MILLING AND RESURFACING
 MILL EXISTING ASPHALT PAVEMENT
 FOR DEPTH (2")
 RESURFACING
 FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)



TYPICAL SECTION NO. 7
 WIGGINS DRIVEWAY
 STA. 1+00.00 TO STA. 4+50.00

NEW CONSTRUCTION
 OPTIONAL BASE GROUP 1 (TYPE B-12.5) WITH
 FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

TYPICAL SECTION NOTE:

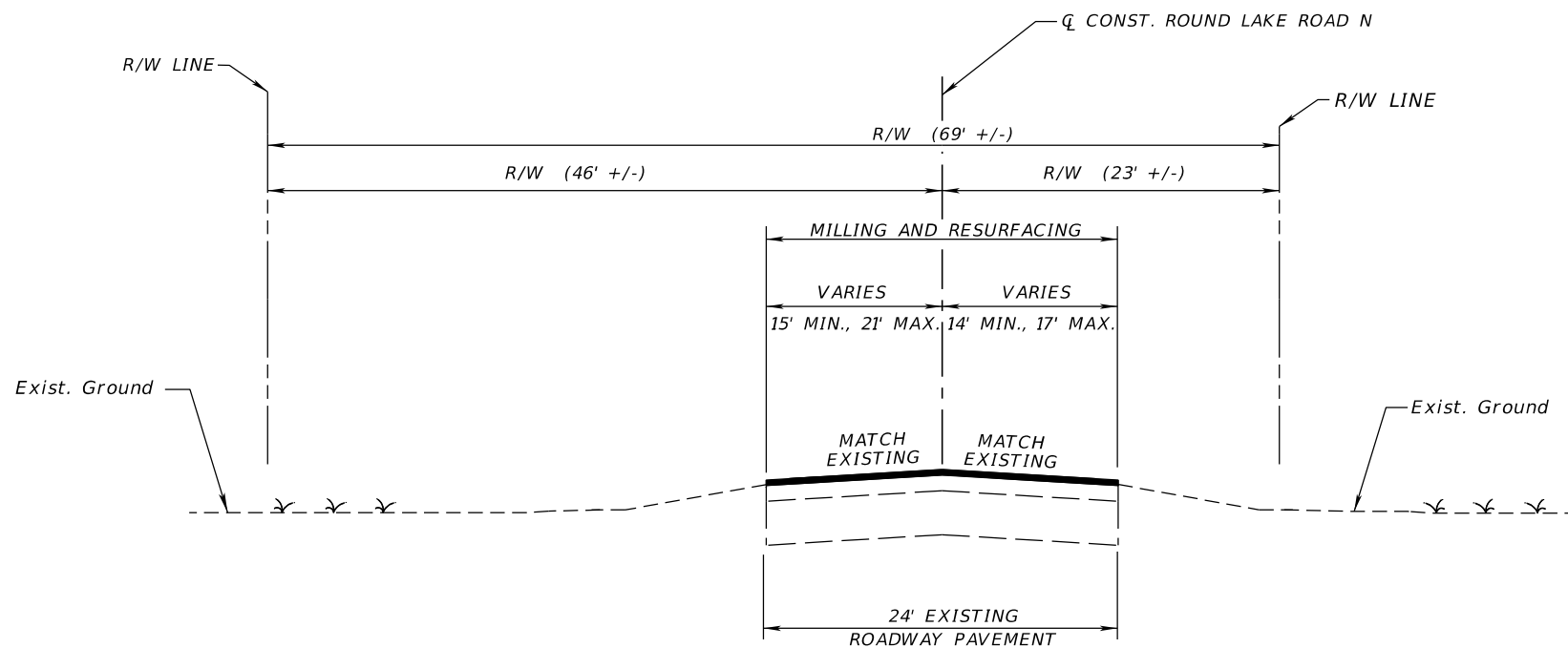
- PAVEMENT CORING DATA, INCLUDING BASE MATERIAL TYPE AND THICKNESS, IS AVAILABLE ON THE DEPARTMENT'S WEBSITE. THE URL FOR OBTAINING THIS INFORMATION IS LOCATED AT <https://ftp.fdot.gov>. AFTER ACCESSING AS "GUEST", CLICK ON THE FOLLOWING FOLDER DIRECTORIES AS FOLLOWS: FTP; FDOT LTS; D5; CONSTRUCTION; PAVEMENT CORING DATA. THE PAVEMENT CORING DATA FOR THIS PROJECT IS LISTED IN ONE OF THE COUNTIES FOR WHICH THE PROJECT IS LOCATED IN. THE DATA REPRESENTS MATERIALS ENCOUNTERED AT EACH CORING LOCATION. MATERIAL VARIATIONS BETWEEN CORES SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS.
- COMPACTION OF ASPHALT MIXES AND ASPHALT BASE COURSE SHALL BE PERFORMED WITH ROLLERS OPERATING ON A NON-VIBRATORY (STATIC) MODE ONLY.

TRAFFIC DATA

CURRENT YEAR = 2012 AADT = 2,400
 ESTIMATED OPENING YEAR = 2019 AADT = 8,600
 ESTIMATED DESIGN YEAR = 2039 AADT = 26,500
 K = 9% D = 54.7% T = 8.1% (24 HOUR)
 DESIGN HOUR T = 4.1%
 DESIGN SPEED = 45 MPH

VOID

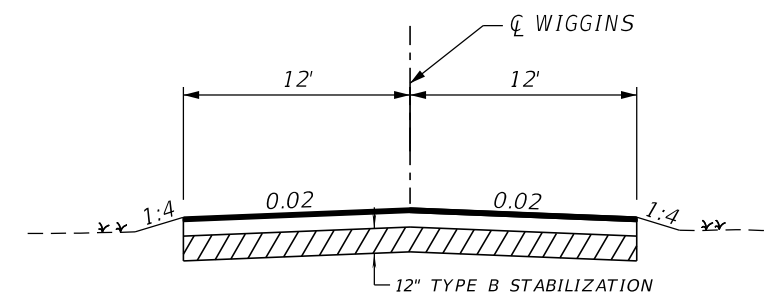
REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (6) SR 46	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



**TYPICAL SECTION NO. 6
ROUND LAKE ROAD NORTH
STA. 119+40.00 TO STA. 122+50.00**

MILLING
MILL EXISTING ASPHALT PAVEMENT
FOR DEPTH (2")

RESURFACING
FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)



**TYPICAL SECTION NO. 7
WIGGINS DRIVEWAY
STA. 1+00.00 TO STA. 4+50.00**

NEW CONSTRUCTION
OPTIONAL BASE GROUP 02 (TYPE B-12.5) WITH
FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

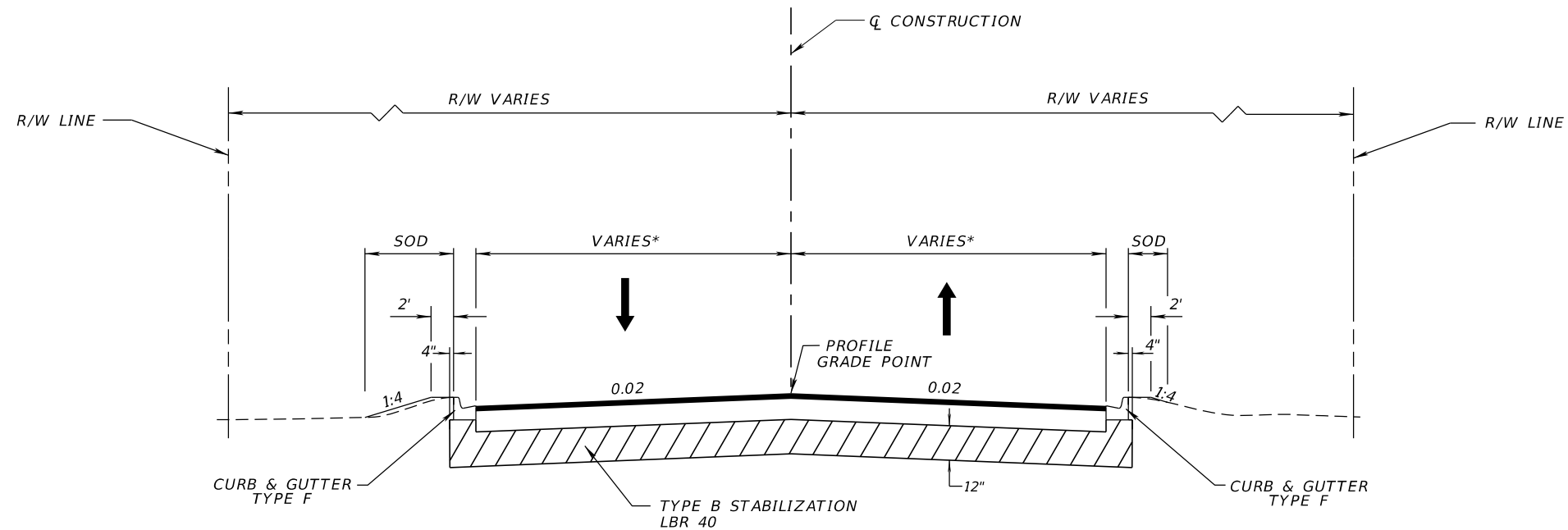
TRAFFIC DATA

CURRENT YEAR = 2012 AADT = 2,400
ESTIMATED OPENING YEAR = 2019 AADT = 8,600
ESTIMATED DESIGN YEAR = 2039 AADT = 26,500
K = 9% D = 54.7% T = 8.1% (24 HOUR)
DESIGN HOUR T = 4.1%
DESIGN SPEED = 45 MPH

TYPICAL SECTION NOTE:

- PAVEMENT CORING DATA, INCLUDING BASE MATERIAL TYPE AND THICKNESS, IS AVAILABLE ON THE DEPARTMENT'S WEBSITE. THE URL FOR OBTAINING THIS INFORMATION IS LOCATED AT <https://ftp.fdot.gov>. AFTER ACCESSING AS "GUEST", CLICK ON THE FOLLOWING FOLDER DIRECTORIES AS FOLLOWS: FTP; FDOT LTS; D5; CONSTRUCTION; PAVEMENT CORING DATA. THE PAVEMENT CORING DATA FOR THIS PROJECT IS LISTED IN ONE OF THE COUNTIES FOR WHICH THE PROJECT IS LOCATED IN. THE DATA REPRESENTS MATERIALS ENCOUNTERED AT EACH CORING LOCATION. MATERIAL VARIATIONS BETWEEN CORES SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS.
- COMPACTION OF ASPHALT MIXES AND ASPHALT BASE COURSE SHALL BE PERFORMED WITH ROLLERS OPERATING ON A NON-VIBRATORY (STATIC) MODE ONLY.

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (6) SR 46	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
1	REVISED PAVEMENT NOTE			46	LAKE	238275-3-52-01			



*10' TOP OF THE HILL DRIVE
 9' BUTTERCUP LANE
 12' SUNEAGLE DRIVE

**TYPICAL SECTION NO. 8
 SIDESTREETS**

TOP OF THE HILL DRIVE
 STA. 62+15.00 TO STA. 63+88.83
 DESIGN SPEED = 20 MPH

BUTTERCUP LANE
 STA. 73+70.00 TO STA. 74+42.33
 DESIGN SPEED = 25 MPH

SUNEAGLE DRIVE
 STA. 89+25.00 TO STA. 90+32.00
 DESIGN SPEED = 25 MPH

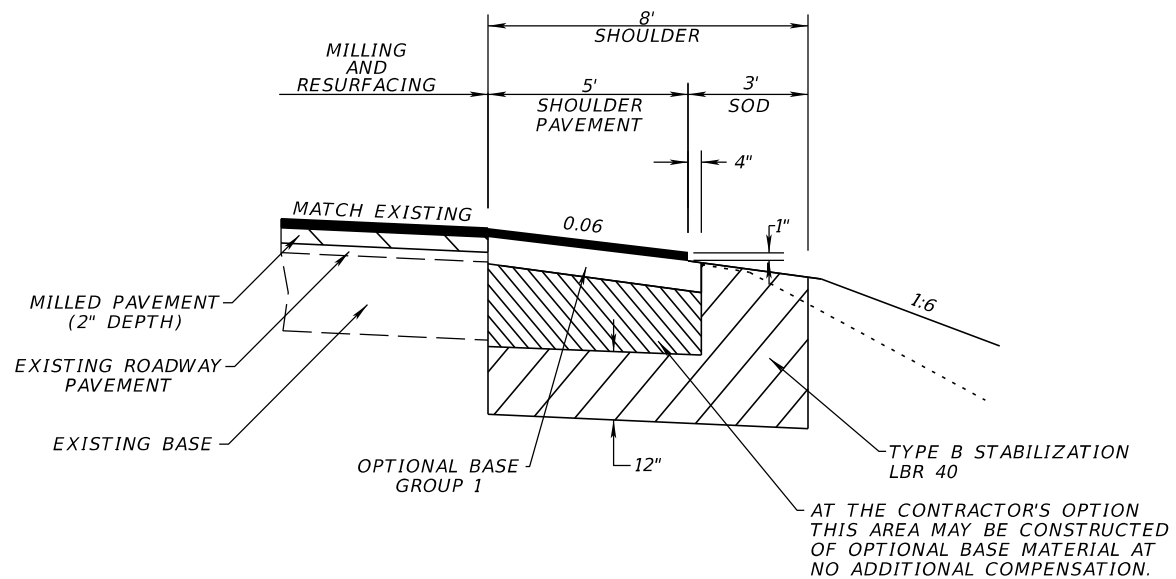
NEW CONSTRUCTION (BUTTERCUP LANE, SUNEAGLE DRIVE)

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

NEW CONSTRUCTION (TOP OF THE HILL DRIVE)

OPTIONAL BASE GROUP 6 WITH
 FRICTION COURSE FC-12.5 (2") (TRAFFIC C) (PG 76-22)

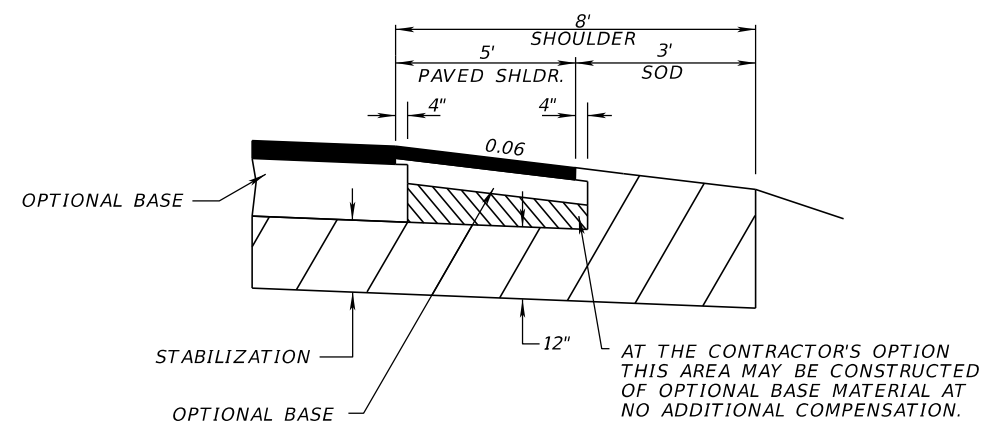
REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION (7) SR 46	SHEET NO. 11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



**ROUND LAKE ROAD
RESURFACING &
SHOULDER PAVEMENT DETAIL**

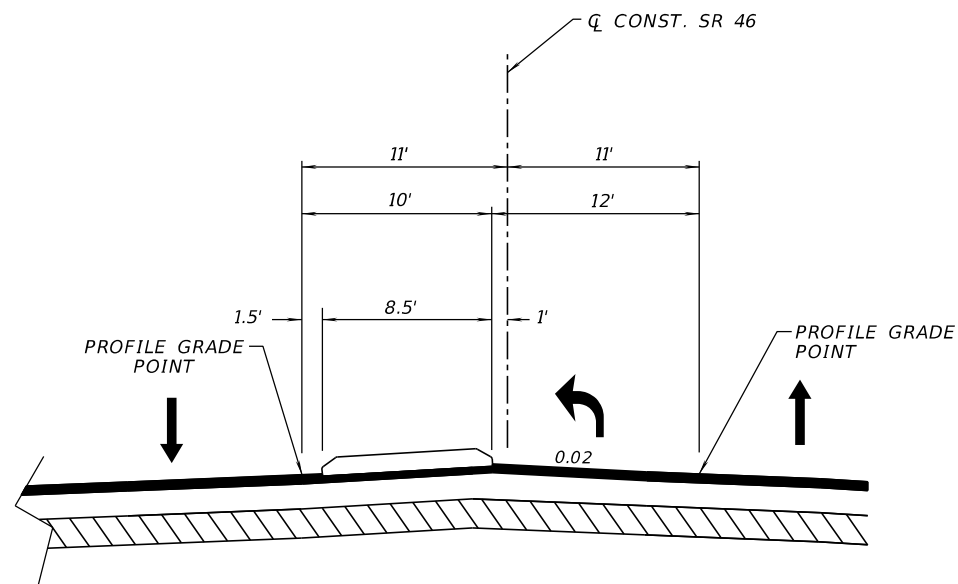
NTS

STA. 100+00.00 TO STA. 102+69.88 (Lt. & Rt.)



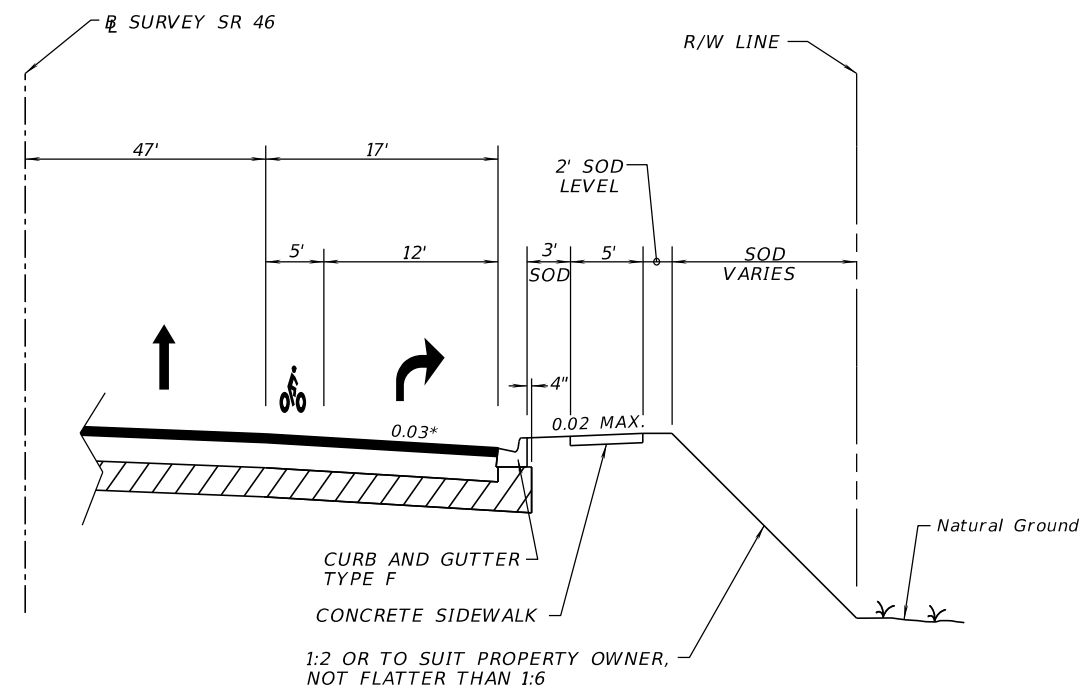
**ROUND LAKE ROAD
SHOULDER PAVEMENT DETAIL**

NTS



MEDIAN LEFT TURN DETAIL

SEE PLANS FOR LOCATIONS
NTS



RIGHT TURN LANE DETAIL

SEE PLANS FOR LOCATIONS
NTS

*SEE CROSS SECTIONS FOR RIGHT
TURN LANE STA. 142+80 TO STA.
149+00 LT.

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL DETAILS SR 46	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

SUMMARY OF LUMP SUM ITEMS

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

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

**STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

SUMMARY OF QUANTITIES

SHEET NO.

SQ-1

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	P	F		
			DAYS	P	P	DAYS	P	P				
0102 1	MAINTENANCE OF TRAFFIC	LS	529	1	1	172			1			
0102 2 1	SPECIAL DETOUR 1	LS	529	1	1	172			1			
0102 2 2	SPECIAL DETOUR 2	LS	529	1	1	172			1			
0102 2 3	SPECIAL DETOUR 3	LS	529	1	1	172			1			
0102 2 4	SPECIAL DETOUR 4	LS	529			172	1	1	1			
0102 2 5	SPECIAL DETOUR 5	LS	529			172	1	1	1	TOP OF THE HILL DRIVE		
0102 14	TRAFFIC CONTROL OFFICER	MH	529	8	8	172	8	8	16			
0102 60	WORK ZONE SIGN	ED	529	32	16928	172	28	4816	21744			
0102 71 14	BARRIER WALL, TEMPORARY, F&I, TYPE K	LF	529	1905	1905	172			1905			
0102 71 24	BARRIER WALL, TEMPORARY, RELOCATE, TYPE K	LF	529	1593	1593	172			1593			
0102 74 1	CHANNELIZING DEVICE-TYPES I, II, DI, VP, DRUM, OR LCD	ED	529	298	157642	172	645	110940	268582			
0102 74 2	CHANNELIZING DEVICE-TYPE III, 6'	ED	529	12	6348	172	6	1032	7380			
0102 76	ARROW BOARD/ADVANCE WARNING ARROW PANEL	ED	529	1	529	172	1	172	701			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	529	2818	2818	172	2382	2382	5200			
0102 89 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	529	4	4	172			4			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	529		543	172	1	172	715			
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	529	2.398	2.398	172	4.335	4.335	6.733			
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	529	83	83	172	85	85	168			
0710 11141	PAINTED PAVEMENT MARKINGS, STD, WHITE, 6-10 GAP EXT, 6"	GM	529	0.04	0.04		0.05	0.05	0.09			
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	529	8	8	172	6	6	14			
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	529	1.556	556	172	3.654	3.654	5.210			
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF	529	58	58	172	83	83	141			

VOID

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877 ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-2
					46	LAKE	238275-3-52-01		

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

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	P	F		
			DAYS	P	P	DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS	529	1	1	172			1			
0102 2 1	SPECIAL DETOUR 1	LS	529	1	1	172			1			
0102 2 2	SPECIAL DETOUR 2	LS	529	1	1	172			1			
0102 2 3	SPECIAL DETOUR 3	LS	529	1	1	172			1			
0102 2 4	SPECIAL DETOUR 4	LS	529			172	1	1	1			
0102 2 5	SPECIAL DETOUR 5	LS	529			172	1	1	1		TOP OF THE HILL DRIVE	
0102 14	TRAFFIC CONTROL OFFICER	MH	529	8	8	172	8	8	16			
0102 60	WORK ZONE SIGN	ED	529	32	16928	172	28	4816	21744			
0102 71 14	BARRIER WALL, TEMPORARY, F&I, TYPE K	LF	529	1905	1905	172			1905			
0102 71 24	BARRIER WALL, TEMPORARY, RELOCATE, TYPE K	LF	529	1593	1593	172			1593			
0102 74 1	CHANNELIZING DEVICE-TYPES I, II, DI, VP, DRUM, OR LCD	ED	529	298	157642	172	645	110940	268582			
0102 74 2	CHANNELIZING DEVICE-TYPE III, 6'	ED	529	12	6348	172	6	1032	7380			
0102 76	ARROW BOARD/ADVANCE WARNING ARROW PANEL	ED	529	1	529	172	1	172	701			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	529	2818	2818	172	2382	2382	5200			
0102 89 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	529	4	4	172			4			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	529		543	172	1	172	715			
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	529	2.398	2.398	172	4.335	4.335	6.733			
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	529	83	83	172	85	85	168			
0710 11141	PAINTED PAVEMENT MARKINGS, STD, WHITE, 6-10 GAP EXT, 6"	GM	529	0.04	0.04	172	0.05	0.05	0.09			
3 0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	529	10	10	172	10	10	20			
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	529	1.556	1.556	172	3.654	3.654	5.210			
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF	529	58	58	172	83	83	141			

3

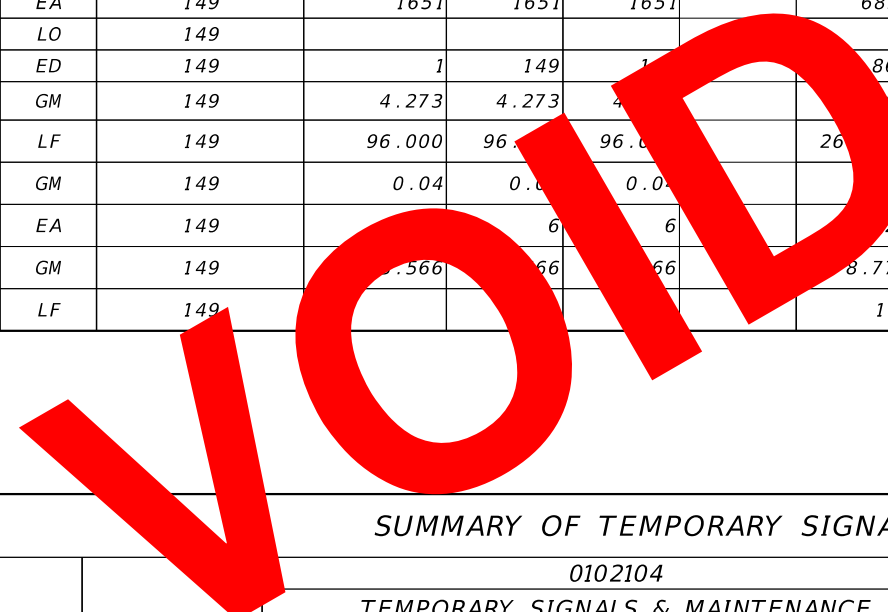
<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>8/11/17</td> <td>fwa 3 REVISED QUANTITY 710-11-170</td> <td></td> <td></td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION	8/11/17	fwa 3 REVISED QUANTITY 710-11-170			<p align="center">MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877</p>			<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p>			<p align="center">SUMMARY OF QUANTITIES</p>	<p align="center">SHEET NO. SQ-2</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																
8/11/17	fwa 3 REVISED QUANTITY 710-11-170																		
<p align="center">ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003</p>			<p>ROAD NO. 46</p>	<p>COUNTY LAKE</p>	<p>FINANCIAL PROJECT ID 238275-3-52-01</p>														

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

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE III			TOTAL		GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	P	F	P	F		
			DAYS	P	P						
0102 1	MAINTENANCE OF TRAFFIC	LS	149					1		850 DAYS	
0102 2 1	SPECIAL DETOUR 1	LS	149					1			
0102 2 2	SPECIAL DETOUR 2	LS	149					1			
0102 2 3	SPECIAL DETOUR 3	LS	149					1			
0102 2 4	SPECIAL DETOUR 4	LS	149					1			
0102 2 5	SPECIAL DETOUR 5	LS	149					1			
0102 14	TRAFFIC CONTROL OFFICER	MH	149	8	8	8			24		
0102 60	WORK ZONE SIGN	ED	149	14	2086	2086			23830		
0102 71 14	BARRIER WALL, TEMPORARY, F&I, TYPE K	LF	149						1905		
0102 71 24	BARRIER WALL, TEMPORARY, RELOCATE, TYPE K	LF	149						1593		
0102 74 1	CHANNELIZING DEVICE-TYPES I, II, DI, VP, DRUM, OR LCD	ED	149	431	64219	64219			332801		
0102 74 2	CHANNELIZING DEVICE-TYPE III, 6'	ED	149	14	2086	2086			9466		
0102 76	ARROW BOARD/ADVANCE WARNING ARROW PANEL	ED	149	1	149	149			850		
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	149	1651	1651	1651			6851		
0102 89 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	149						4		
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	149	1	149	149			864		
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	149	4.273	4.273	4.273			206		
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	149	96.000	96.000	96.000			26.000		
0710 11141	PAINTED PAVEMENT MARKINGS, STD, WHITE, 6-10 DOTTED EXT, 6"	GM	149	0.04	0.04	0.04			3		
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	149						20		
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	149	1.566	1.566	1.566			8.776		
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF	149						141		

SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION													
PHASE	DURATION	0102104						0102107 1					
		TEMPORARY SIGNALS & MAINTENANCE OF INTERSECTION - EACH DAY											
		EXISTING			TEMPORARY			EXISTING			TEMPORARY/NEW		
		DAYS	#	P	F	#	P	F	#	P	F	#	P
1	529	1	529		1	529		1	529		1	529	
2	172	1	172		1	172		1	172		1	172	
3	149	1	149		1	149		1	149		1	149	
SUB-TOTAL			850			850			850			850	
TOTAL						1700						1700	



<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO. SQ-3
REVISIONS																							
DATE	DESCRIPTION	DATE	DESCRIPTION																				
ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003		ROAD NO. 46	COUNTY LAKE	FINANCIAL PROJECT ID 238275-3-52-01																			

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SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE III			TOTAL		GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	P	F	P	F		
			DAYS	P	P						
0102 1	MAINTENANCE OF TRAFFIC	LS	149					1			
0102 2 1	SPECIAL DETOUR 1	LS	149					1			
0102 2 2	SPECIAL DETOUR 2	LS	149					1			
0102 2 3	SPECIAL DETOUR 3	LS	149					1			
0102 2 4	SPECIAL DETOUR 4	LS	149					1			
0102 2 5	SPECIAL DETOUR 5	LS	149					1			
0102 14	TRAFFIC CONTROL OFFICER	MH	149	8	8	8			24		
0102 60	WORK ZONE SIGN	ED	149	14	2086	2086			23830		
0102 71 14	BARRIER WALL, TEMPORARY, F&I, TYPE K	LF	149						1905		
0102 71 24	BARRIER WALL, TEMPORARY, RELOCATE, TYPE K	LF	149						1593		
0102 74 1	CHANNELIZING DEVICE-TYPES I, II, DI, VP, DRUM, OR LCD	ED	149	431	64219	64219			332801		
0102 74 2	CHANNELIZING DEVICE-TYPE III, 6'	ED	149	14	2086	2086			9466		
0102 76	ARROW BOARD/ADVANCE WARNING ARROW PANEL	ED	149	1	149	149			850		
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	149	1651	1651	1651			6851		
0102 89 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	149						4		
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	149	1	149	149			864		
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	149	4.273	4.273	4.273			11.006		
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	149	96.000	96.000	96.000			264.000		
0710 11141	PAINTED PAVEMENT MARKINGS, STD, WHITE, 6-10 DOTTED EXT, 6"	GM	149	0.04	0.04	0.04			0.13		
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	149	9	9	9			29		
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	149	3.566	3.566	3.566			8.776		
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF	149						141		

3

SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION

PHASE	DURATION	0102104						0102107 1					
		TEMPORARY SIGNALS & MAINTENANCE OF INTERSECTION - EACH DAY											
		EXISTING			TEMPORARY			EXISTING			TEMPORARY/NEW		
		DAYS	#	P	F	#	P	F	#	P	F	#	P
1	529	1	529							1	529		
2	172	1	172							1	172		
3	149	1	149							1	149		
SUB-TOTAL			850								850		
TOTAL			850								850		

3

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DATE	DESCRIPTION	DATE	DESCRIPTION																							
8/11/17	fwa 3 REVISED QUANTITY 102-104, 102-107-1, & 710-11-170																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
46	LAKE	238275-3-52-01																								

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SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA. TO STA.	SIDE	AREA ID	SEDIMENT BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 10 3		0104 15		0104 18			
			LF		EA		EA			
			P	F	P	F	P	F		
94+00.00 to 149+00.00	LT&RT		11150.6							
100+00.00 to 107+20.73	LT&RT		1259.7						ROUND LAKE RD S	
109+04.23 to 122+50.00	LT&RT		2713.5						ROUND LAKE RD N	
97+40.00	RT						1			
97+40.00	LT						1			
63+40.00	LT						1		TOP OF THE HILL DR	
99+50.00	RT						1			
100+40.00	LT						1			
106+80.00	LT						1			
106+80.00	RT						1			
109+58.00	LT						1			
109+58.00	RT						1			
110+75.00	LT						1			
110+75.00	RT						1			
112+22.00	LT						1			
112+22.00	RT						1			
114+90.00	LT						1			
114+90.00	RT						1			
121+00.00	RT						1			
121+00.00	LT						1			
124+70.00	RT						1			
124+70.00	LT						1			
128+55.00	RT						1			
89+85.00	LT						1		SUNEAGLE DR	
89+85.00	RT						1		SUNEAGLE DR	
129+35.00	LT						1			
129+35.00	LT						1			
132+00.00	RT						1			
132+00.00	LT						1			
134+60.00	RT						1			
134+60.00	LT						1			
138+50.00	RT						1			
138+50.00	RT						1			
138+50.00	LT						1			
138+50.00	LT						1			
140+20.00	RT						1			
140+30.00	LT						1			
141+65.00	RT						1			
141+65.00	LT						1			
143+50.00	RT						1			
145+00.00	RT						1			
145+80.00	LT						1			
145+80.00	RT						1			
145+80.00	RT						1			
146+75.00	RT						1			
SUB-TOTAL:			15124				42			
TOTAL:			15124		2		54			

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856			<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>46</td> <td>LAKE</td> <td>238275-3-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	46	LAKE	238275-3-52-01	<p align="center">SUMMARY OF QUANTITIES</p>		SHEET NO. SQ-4
DATE	DESCRIPTION	DATE	DESCRIPTION																							
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
46	LAKE	238275-3-52-01																								

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SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL						MOWING						DESIGN NOTES	CONSTRUCTION REMARKS				
					0107 1						0107 2											
					AREA ID	LENGTH	WIDTH	CYCLES	AREA		AREA ID	LENGTH	WIDTH	CYCLES	AREA							
									AC/ CYCLE	TOTAL (AC)					AC/ CYCLE	TOTAL (AC)						
				P	F					P	F											
1	94+00.00 to 149+00.00	RT	233	30	41370				8	4.010	31.144	44033					8	4.010	31.144	SR 46		
2	94+00.00 to 149+00.00	LT	160	30	42641				5	3.700	19.733	44585					5	1.960	10.453	SR 46		
	94+00.00 to 149+00.00	LT	160	30	42628				5	0.500	2.667	44452					5	0.350	1.867	SR 46		
	100+00.00 to 107+20.00	LT	160	30	42686				5	0.020	0.107	44160					5	0.020	0.107	ROUND LAKE RD S		
	100+00.00 to 107+20.00	RT	160	30	42685				5	0.060	0.320	44159					5	0.060	0.320	ROUND LAKE RD S		
	100+00.00 to 107+20.00	RT	160	30	42211				5	0.430	2.293	44479					5	0.360	1.920	ROUND LAKE RD S		
	109+50.00 to 122+50.00	RT	160	30	42223				5	1.090	5.813	44083					5	0.910	4.853	ROUND LAKE RD N		
3	94+00.00 to 149+00.00	LT	80	30	42641				3	3.700	9.867	44585					3	2.490	6.640	SR 46		
	94+00.00 to 149+00.00	LT	80	30	42628				3	0.500	1.333	44452					3	0.350	0.933	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43729				3	0.500	1.333	45678					3	0.440	1.173	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43737				3	0.380	1.013	46058					3	0.380	1.013	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43746				3	0.270	0.720	45733					3	0.220	0.587	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43756				3	0.920	2.453	46070					3	1.320	3.520	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43767				3	0.820	2.187	45889					3	0.210	0.560	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43777				3	0.280	0.747	46116					3	0.350	0.933	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43790				3	0.430	1.147	45948					3	0.150	0.400	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43801				3	0.190	0.507	45965					3	0.050	0.133	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43810				3	0.060	0.160	45984					3	0.026	0.069	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43821				3	0.310	0.827	46005					3	0.180	0.480	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43831				3	0.260	0.693	46027					3	0.270	0.720	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43843				3	0.350	0.933	46039					3	0.150	0.400	SR 46		
	94+00.00 to 149+00.00	RT	80	30	43857				3	0.210	0.560						3			SR 46		
	100+00.00 107+20.00	LT	80	30	42686				3	0.020	0.053	44160					3	0.020	0.053	ROUND LAKE RD S		
	100+00.00 107+20.00	LT	80	30	42695				3	0.350	0.933	44480					3	0.270	0.720	ROUND LAKE RD S		
	100+00.00 107+20.00	RT	80	30	42685				3	0.060	0.160	44159					3	0.060	0.160	ROUND LAKE RD S		
	100+00.00 107+20.00	RT	80	30	42211				3	0.430	1.147	44479					3	0.360	0.960	ROUND LAKE RD S		
	109+50.00 122+50.00	LT	80	30	42693				3	1.450	3.867	44168					3	1.260	3.360	ROUND LAKE RD N		
	109+50.00 122+50.00	RT	80	30	42223				3	1.090	2.907	44083					3	0.910	2.427	ROUND LAKE RD N		
				30																		
				30																		
				30																		
				30																		
				30																		
				30																		
				30																		
					SUB-TOTAL:				95.624				SUB-TOTAL:		75.907							
					TOTAL:				95.62				TOTAL:		75.91							

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-6
				46	LAKE	238275-3-52-01			

SUMMARY OF REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		AREA (AC)	P						F	P	F				
0110-1-1	Clearing and Grubbing	94+00.00 to 149+00.00		Lt&Rt	15974			LS	15.27	1		1		Quantity for informational purposes only (25.6 AC.)	
		94+00.00 149+00.00		Lt&Rt	36485				8.58						
		62+20.00 63+40.00		Lt&Rt	34863				0.10						
		73+70.15 73+95.27		Lt&Rt	34873				0.02						
		89+25.16 90+00.00		Lt&Rt	34879				0.08						
		100+00.00 102+68.37		Lt	34976				0.06						
		100+00.00 102+76.30		Rt	34988				0.12						
		102+68.70 103+31.03		Lt&Rt	34965				0.13						
		103+15.68 107+19.19		Lt	16115				0.20						
		103+26.99 107+20.68		Rt	16103				0.44						
		103+18.30 106+90.26		Lt&Rt	16109				0.56						
0110-4	Removal of Existing Concrete	94+00.00	149+00.00	Lt&Rt	36777			SY		10357.0		10357	See Special Details for Locations		

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DATE	DESCRIPTION	DATE	DESCRIPTION																							
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
46	LAKE	238275-3-52-01																								

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SUMMARY OF MONITOR EXISTING STRUCTURES

SITE NO.	LOCATION	STRUCTURE USAGE	INSPECTION & SETTLEMENT MONITORING		VIBRATION MONITORING		GROUNDWATER MONITORING		DESIGN NOTES	CONSTRUCTION REMARKS	
			0108 1		0108 2		0108 3				
	ADDRESS AND/OR STA.		LS		LS		LS				
	P		F	P	F	P	F				
					X						
TOTAL:					1						

This list includes existing structures (as determined by the Department) located outside the limits specified in Article 108-21 of the FDOT Specifications that are required to be monitored. This list should not be considered all inclusive and does not contain existing structures to be monitored that are located within the distances specified in Article 108-2.

SUMMARY OF REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	AREA (AC)						P	F	P	F			
0110-1-1	Clearing and Grubbing	94+00.00 to 149+00.00		Lt&Rt	15974			LS	15.27	1		1		Quantity for informational purposes only (25.6 AC.)	
		94+00.00 149+00.00		Lt&Rt	36485				8.58						
		62+20.00 63+40.00		Lt&Rt	34863				0.10						
		73+70.15 73+95.27		Lt&Rt	34873				0.02						
		89+25.16 90+00.00		Lt&Rt	34879				0.08						
		100+00.00 102+68.37		Lt	34976				0.06						
		100+00.00 102+76.30		Rt	34988				0.12						
		102+68.70 103+31.03		Lt&Rt	34965				0.13						
		103+15.68 107+19.19		Lt	16115				0.20						
		103+26.99 107+20.68		Rt	16103				0.44						
		103+18.30 106+90.26		Lt&Rt	16109				0.56						
0110-4	Removal of Existing Concrete	94+00.00 149+00.00		Lt&Rt	36777			SY		10357.0		10357		See Special Details for Locations	

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DATE	DESCRIPTION	DATE	DESCRIPTION																							
08-11-17	3 ADDED PAY ITEM																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
46	LAKE	238275-3-52-01																								

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SUMMARY OF MAILBOXES					
STATION	SIDE	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		0110	7 1		
		P	F		
103+05.00	Rt	1			
103+08.00	Rt	1			
103+11.00	Rt	1			
103+14.00	Rt	1			
112+50.00	Rt	1			
112+52.00	Rt	1			
124+71.00	Rt	1			
133+79.00	Rt	1			
134+86.00	Rt	1			
SunEagle					
89+35.00	Lt	1			
Round Lake S					
101+18.00	Rt	1			
101+36.00	Lt	1			
106+20.00	Lt	1			
106+22.00	Lt	1			
SUB-TOTAL:		14			
TOTAL:		14			

SUMMARY OF EARTHWORK						
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS	
		P	F			
0120-1	Roadway Excavation	53502	2	SR 46		
		1110		Round Lake Road S		
		24960	2	Round Lake Road N		
		214		Top of the Hill Drive		
		27		Buttercup Lane		
		67		Suneagle Drive		
		Total Regular Excavation	79880	2		
0120-6	Embankment, Mainline	17012	2	SR 46		
	Embankment, Round Lake Rd South	1523		Round Lake Road S		
	Embankment, Round Lake Rd North	8	2	Round Lake Road N		
	Embankment, Top of the Hill Dr.	2		Top of the Hill Drive		
	Embankment, Buttercup Ln.	3		Buttercup Lane		
	Embankment, SunEagle Dr.	5		Suneagle Drive		
	Embankment, Wiggins Driveway	311		Wiggins Driveway		
	Fill to replace Subsoil	323				
	Total Embankment	19187	2			
0120-4	Subsoil Excavation	323		SR 46		
	Total Subsoil Excavation	323				

Earthwork has been calculated using the Limerock base option. If another option is constructed, there will be no revision to the earthwork quantities for which payment is made by Plan Quantity.

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO. SQ-8
06-01-17	2	REVISED EARTHWORK			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0160 4	TYPE B STABILIZATION	94+00.00 to 109+24.54		LT/RT	109196			SY	17742.8		75471			
		108+40.45 to 120+91.42		LT/RT	109261				12492.1					
		120+22.51 to 129+35.11		LT/RT	109292				9409.6					
		128+84.33 to 134+99.50		LT/RT	109324				6736.7					
		134+47.90 to 149+00.33		LT/RT	109361				17952.7					
		141+64.70 to 143+29.44		LT	25938				6811.4					
		141+79.66 to 143+37.83		RT	106411				3716.9					
		142+18.73 to 142+30.86		RT	21401				240.4					
		142+50.25 to 142+62.38		RT	21400				242.0					
		148+11.90 to 148+95.79		RT	109180				126.7					
285701	OPTIONAL BASE, BASE GROUP 01	142+16.17 to 142+41.00		LT	12380			SY	248.1		1786			
		142+21.40 to 142+30.86		RT	21441				158.7					
		142+25.50 to 142+30.61		RT	21431				42.0					
		142+25.79 to 142+32.50		RT	12399				88.6					
		142+27.81 to 142+33.38		RT	12394				31.4					
		142+28.71 to 142+34.04		RT	12598				14.5					
		142+36.24 to 142+44.14		LT	12374				248.0					
		142+36.25 to 142+41.50		LT	12358				10.9					
		142+50.25 to 142+59.71		RT	21436				161.1					
		142+54.71 to 142+92.70		RT	21422				224.0					
285702	OPTIONAL BASE, BASE GROUP 02	142+68.29 to 142+82.59		LT	12363				558.9		933			
		143+35.03 to 146+85.36		RT	110264			SY	933.3			TYPE B-12.5, WIGGINS DRIVEWAY		
285706	OPTIONAL BASE, BASE GROUP 06	98+48.65 to 99+24.70		RT	104876			SY	443.2		8873		TOP OF THE HILL DR.	
		99+24.70 to 99+38.65		RT	104868				1.5			TOP OF THE HILL DR.		
		141+79.68 to 143+37.83		RT	108169				2847.9					
		142+67.71 to 142+78.53		RT	108060				12.9					
		142+85.78 to 143+35.40		RT	108162				227.0					
		142+85.78 to 143+35.40		RT	108259				227.0					
		141+64.70 to 143+29.44		LT	25106				5113.0					
285709	OPTIONAL BASE, BASE GROUP 09	94+00.00 to 109+53.56		LT/RT	108612			SY	15862.5		58981			
		109+21.19 to 121+88.59		LT/RT	108639				11593.2					
		121+31.58 to 129+38.66		LT/RT	108659				7367.8					
		128+82.65 to 134+97.20		LT/RT	108678				5819.1					
		134+71.78 to 149+00.00		LT/RT	108697				16083.1					
		148+11.65 to 148+95.65		RT	108601				124.4					
		102+27.77 to 103+21.45		LT	28947				151.6					
		102+34.65 to 102+93.70		RT	28964				200.4					
		104+92.77 to 106+03.97		RT	71556				241.4					
		113+71.66 to 114+76.75		RT	28981				194.9					
		124+76.38 to 125+96.38		RT	28986				331.0					
		128+63.83 to 129+67.83		RT	71682				361.7					
		132+78.51 to 133+58.51		RT	29006				151.4					
134+75.82 to 135+52.82		RT	29015				155.7							
135+56.86 to 136+33.88		RT	110378				212.7							
145+88.24 to 146+64.24		RT	71547				129.7							
0327 70 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	100+00.00 to 102+71.60		LT/RT	21593			SY	704.3		1926			
		119+40.00 to 122+50.00		LT/RT	21609				1221.7					
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C, PG 76-22)	94+00.00 to 109+69.53		LT/RT	108489			TN	1746.70		6457.0			
		109+08.78 to 121+21.18		LT/RT	108514				1220.98					

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO. SQ-9
REVISIONS																		
DATE	DESCRIPTION																	
ROAD NO.		COUNTY	FINANCIAL PROJECT ID															
46		LAKE	238275-3-52-01															

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

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C, PG 76-22) (CONT'D)	120+90.66 to 129+34.47		LT/RT	108529				863.90		6329.5			
		128+87.78 to 134+71.83		LT/RT	108542			TN	608.12					
		134+32.62 to 143+40.00		LT/RT	108558				1059.32					
		148+11.65 to 148+95.65		RT	108478				13.68					
		102+20.72 to 103+07.62		RT	89688				16.79					
		102+27.77 to 103+21.45		LT	89696				12.50					
		104+92.77 to 106+03.97		RT	89679				19.91					
		113+71.66 to 114+76.75		RT	89674				16.09					
		124+76.38 to 125+96.38		RT	89666				27.11					
		128+63.83 to 129+67.83		RT	89657				29.84					
		132+78.51 to 133+58.51		RT	89648				12.49					
		134+75.82 to 135+52.82		RT	89639				12.85					
		135+56.86 to 136+33.88		RT	110404				11.70					
		138+59.96 to 139+46.96		RT	91420				31.48					
		143+40.00 to 149+00.00		LT/RT	89603				739.31					
		145+88.24 to 146+64.24		RT	89773				14.27					
0337 7 83	ASPHALTIC CONCRETE FRICTION COURSE (TRAFFIC C, FC-12.5, PG 76-22)	141+79.68 to 143+37.83		RT	110574			TN	377.05		6329.5	WIGGINS DRIVEWAY		
		143+35.03 to 146+85.36		RT	110328				102.67					
		98+48.65 to 99+38.65		RT	94666				48.92					
		121+49.81 to 121+49.81		RT	94676				4882.13					
		136+03.90 to 143+29.44		LT	26547				3.12					
		141+64.70 to 136+33.90		RT	26547				805.21					
		142+21.73 to 142+59.38		RT	21670				110.43					

SUMMARY OF SIDE DRAIN & MITERED END SECTIONS

LOCATION	SIDE	PIPE LENGTH					MES					DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.	LF					EA						
			14"x23"	18"	24"	30"	36"	14"x23"	18"	24"	30"			36"
Round Lake Rd. S														
103+40.68 to 103+96.42	Lt	50					2						1:2	
103+51.87 to 103+98.13	Rt	41					2						1:2	
104+98.00 to 105+56.00	Rt	54					2						1:4	
Round Lake Rd. N														
113+74.61 to 114+17.87	Lt	36					2						1:2	
118+56.22 to 119+14.25	Lt		51					2					1:4	
SUB-TOTAL:		181	51				8	2						
TOTAL:		181	51				8	2						

REVISIONS		LOCHRANE ENGINEERING, INC.		STATE OF FLORIDA			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DEPARTMENT OF TRANSPORTATION				
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01	SQ-10	

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
						GROSS LENGTH	DEDUCTIONS		NET LENGTH		P		
		TYPE	LENGTH	P	F								
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	94+00.00 to 98+19.84	RT		LF	419.8			419.8	6095			
		94+00.00 to 98+70.00	LT			470.0			470.0				
		98+19.84 to 98+70.00	LT/RT			51.2			51.2				
		105+75.00 to 106+25.15	LT/RT			51.2			51.2				
		105+75.00 to 114+30.65	RT			855.7			855.7				
		106+25.15 to 114+64.50	LT			839.4			839.4				
		114+30.65 to 114+32.85	RT			2.4			2.4				
		114+32.85 to 114+64.76	LT/RT			36.1			36.1				
		114+64.50 to 114+64.76	LT			2.9			2.9				
		117+35.00 to 117+85.15	LT/RT			51.2			51.2				
		117+35.00 to 125+54.84	RT			819.8			819.8				
		117+85.15 to 126+05.00	LT			819.8			819.8				
		125+54.84 to 126+05.00	LT/RT			51.2			51.2				
		128+63.51 to 128+63.77	RT			2.9			2.9				
		128+63.51 to 128+95.43	LT/RT			36.1			36.1				
		128+63.77 to 129+28.24	RT			64.5			64.5				
		128+95.43 to 128+97.63	LT			2.4			2.4				
		128+97.63 to 129+62.10	LT			64.5			64.5				
		129+28.24 to 129+30.44	RT			2.4			2.4				
		129+30.44 to 129+62.36	LT/RT			36.1			36.1				
		129+62.10 to 129+62.36	LT			2.9			2.9				
		132+30.00 to 132+80.15	LT/RT			51.2			51.2				
		132+30.00 to 137+09.84	RT			479.8			479.8				
		132+80.15 to 137+60.00	LT			479.8			479.8				
137+09.84 to 137+60.00	LT/RT			51.2			51.2						
147+25.00 to 147+75.15	LT/RT			51.2			51.2						
147+25.00 to 149+00.00	RT			175.0			175.0						
147+75.15 to 149+00.00	LT			124.8			124.8						
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	94+00.00 to 95+07.28	LT		LF	107.3			107.3	11404			
		94+00.00 to 98+82.15	RT			605.4			605.4				
		95+39.28 to 99+83.83	LT			444.5			444.5				
		98+69.96 to 102+54.40	RT			572.3			572.3				
		100+27.83 to 102+59.87	LT			282.0			282.0				
		102+75.22 to 105+31.27	RT			341.7			341.7				
		102+88.90 to 105+77.05	LT			307.9			307.9				
		105+65.47 to 109+03.14	RT			365.7			365.7				
		106+13.05 to 121+78.89	LT			1565.8			1565.8				
		109+36.20 to 112+35.29	RT			299.1			299.1				
		112+67.38 to 114+04.63	RT			156.9			156.9				
		114+43.77 to 125+13.59	RT			1104.5			1104.5				
		122+10.89 to 129+46.54	LT			735.6			735.6				
		125+57.88 to 129+02.33	RT			407.1			407.1				
		129+00.75 to 129+01.80	RT			6.1			6.1				
		129+01.80 to 129+01.87	RT			8.6			8.6				
		129+28.80 to 129+28.88	RT			9.1			9.1				
		129+28.80 to 129+29.75	RT			6.1			6.1				
129+29.22 to 133+07.01	RT			434.8			434.8						
129+78.54 to 142+14.53	LT			1294.1			1294.1						
133+30.01 to 135+04.32	RT			219.0			219.0						
135+29.32 to 135+30.32	RT			6.1			6.1						

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856			<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td align="center">46</td> <td align="center">LAKE</td> <td align="center">238275-3-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	46	LAKE	238275-3-52-01	<p align="center">SUMMARY OF QUANTITIES</p>		SHEET NO. SQ-11
DATE	DESCRIPTION	DATE	DESCRIPTION																							
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
46	LAKE	238275-3-52-01																								

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

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
						GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
							TYPE	LENGTH	P	F				
0520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	135+29.32 to 135+36.53	RT		LF	18.9			18.9					
		135+36.53 to 135+45.96	RT			11.0			11.0					
		135+45.96 to 135+52.82	RT				7.0			7.0				
		135+52.82 to 135+55.90	RT				3.1			3.1				
		135+55.90 to 135+63.44	RT				7.6			7.6				
		135+63.44 to 135+73.96	RT				11.9			11.9				
		135+73.96 to 135+84.40	RT				25.2			25.2				
		135+83.40 to 135+84.40	RT				6.1			6.1				
		136+11.40 to 136+12.40	RT				6.1			6.1				
		136+11.40 to 136+21.84	RT				25.2			25.2				
		136+21.84 to 136+32.35	RT				11.9			11.9				
		136+32.35 to 136+39.90	RT				7.6			7.6				
		136+39.90 to 138+59.96	RT				220.1			220.1				
		138+59.96 to 138+67.51	RT				7.6			7.6				
		138+67.51 to 138+77.55	RT				11.3			11.3				
		138+77.55 to 138+83.79	RT				9.3			9.3				
		138+83.79 to 138+88.46	RT				16.5			16.5				
		138+87.46 to 138+88.46	RT				6.1			6.1				
		139+18.46 to 140+34.73	RT				140.3			140.3				
		0520 3	VALLEY GUTTER - CONCRETE	95+07.28 to 95+39.28	LT		LF	32.0			32.0	439		
99+83.83 to 100+27.83	LT					44.0			44.0					
105+77.05 to 106+13.05	LT					36.0			36.0					
109+03.14 to 109+36.20	RT					33.1			33.1					
112+35.29 to 112+67.29	RT					32.0			32.0					
121+78.89 to 122+10.89	LT					32.0			32.0					
129+01.87 to 129+02.51	RT					39.8			39.8					
129+28.57 to 129+29.22	RT					39.3			39.3					
129+46.54 to 129+78.54	LT					32.0			32.0					
138+59.96 to 139+46.96	RT					87.0			87.0					
0520 5 16	TRAFFIC SEPARATOR CONCRETE - TYPE I, 8.5' WIDE	98+70.00 to 101+60.00	LT		LF	300.9			300.9	2142				
		103+23.80 to 105+75.00	RT			262.1			262.1					
		114+87.15 to 117+35.00	RT			258.7			258.7					
		126+05.00 to 128+41.06	LT			247.0			247.0					
		129+84.80 to 132+30.00	RT			256.1			256.1					
		137+60.00 to 141+70.00	LT			420.9			420.9					
		143+39.94 to 147+25.00	RT			396.0			396.0					

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REVISIONS																							
DATE	DESCRIPTION	DATE	DESCRIPTION																				
ROAD NO.		COUNTY	FINANCIAL PROJECT ID		46	LAKE	238275-3-52-01																

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

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
P	F	P	F	P	F							
94+00.00 to 95+17.27	LT	102908			65.2							
94+00.00 to 98+70.97	RT	22702			259.8							
95+29.27 to 99+93.77	LT	6965			256.8							
99+16.34 to 102+43.04	RT	22684			177.9							
100+17.74 to 102+49.15	LT	22713			143.1							
102+85.30 to 105+16.83	RT	22667			124.9							
102+99.62 to 105+87.06	LT	22735			157.9							
105+79.91 to 109+13.14	RT	100762			183.2							
106+03.05 to 121+88.89	LT	7247			881.2							
109+26.19 to 112+45.29	RT	100773			177.4							
112+57.28 to 113+93.97	RT	22638			74.2							
114+54.44 to 125+00.43	RT	22616			577.3							
122+00.89 to 129+56.54	LT	7219			419.9							
125+72.33 to 128+87.89	RT	22600			171.4							
129+43.77 to 132+98.92	RT	22584			193.7							
129+68.54 to 142+15.57	LT	22748			740.0							
133+38.10 to 134+96.23	RT	22567			84.5							
135+36.53 to 135+73.96	RT	22552			18.3							
136+15.84 to 138+83.79	RT	22535			179.7							
139+22.88 to 140+44.73	RT	22515			87.9							
140+56.73 to 142+14.92	RT	22445			122.6							
142+93.13 to 146+07.86	RT	22413			216.9							
142+95.26 to 149+00.51	LT	22771			370.9							
146+43.84 to 148+53.65	RT	22433			115.1							
148+65.65 to 149+00.00	RT	7180			19.1							
95+07.35 to 95+39.28	LT	27128					79.2					
99+83.82 to 100+27.82	LT	83046					153.9					
105+77.05 to 106+13.05	LT	27151					45.8					
109+03.14 to 109+36.19	RT	100728					73.6					
112+35.29 to 112+67.29	RT	27222					68.8					
121+78.89 to 122+10.89	LT	27165					56.2					
128+87.85 to 129+01.72	RT	27187					40.9			SUNEAGLE DR.		
129+29.38 to 129+38.07	RT	27196					27.4			SUNEAGLE DR.		
129+46.54 to 129+78.54	LT	27176					81.6					
140+34.73 to 140+66.73	RT	27203					83.3					
148+43.65 to 148+75.65	RT	27213					38.8					
98+62.40 to 98+69.60	RT	108840						13.1				
99+17.71 to 99+24.91	RT	108845						13.1				
102+34.47 to 102+41.67	RT	108850						13.1				
102+40.58 to 102+47.78	LT	108860						13.1				
102+86.67 to 102+93.87	RT	108855						13.1				
103+00.99 to 103+08.19	LT	108865						13.1				
105+07.57 to 105+15.43	RT	108870						14.1				
105+81.31 to 105+89.17	RT	108875						14.1				
113+85.41 to 113+92.61	RT	108880						13.1				
114+55.81 to 114+63.01	RT	108885						13.1				
124+91.18 to 124+99.05	RT	108890						14.1				
SUB-TOTAL:					5818.9		749.5		147.1			
TOTAL:					5819		749		456			

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		SQ-13

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

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS												
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1	0522 2	0522 1	0522 2	0527 1	0527 2		
STA. TO STA.					SY		SY		SF			
					P	F	P	F	P	F		
125+74.39 to 125+81.59	RT	108895							13.1			
128+78.63 to 128+86.49	RT	108900							14.1			
129+45.16 to 129+53.03	RT	108905							14.1			
132+91.12 to 132+97.59	RT	108910							12.0			
133+39.44 to 133+45.91	RT	108915							12.0			
134+88.43 to 134+94.89	RT	108920							12.0			
135+37.89 to 135+46.11	RT	108925							15.0			
135+63.31 to 135+72.56	RT	108930							16.6			
136+17.23 to 136+26.48	RT	108935							16.6			
138+75.24 to 138+77.24	RT	108940							11.0			
139+29.24 to 139+31.24	RT	108945							11.0			
141+79.44 to 141+83.50	RT	108950							8.0			
141+79.56 to 141+83.90	LT	108970							8.0			
141+99.33 to 142+06.80	RT	108955							11.1			
142+05.69 to 142+10.97	LT	108975							9.5			
142+25.81 to 142+30.86	RT	109015							10.1		ROUND LAKE RD. SOUTH	
142+25.93 to 142+30.94	RT	109010							10.1		ROUND LAKE RD. SOUTH	
142+54.34 to 142+59.38	RT	109025							10.1		ROUND LAKE RD. SOUTH	
142+54.38 to 142+59.39	RT	109020							10.1		ROUND LAKE RD. SOUTH	
142+98.33 to 143+03.62	RT	108960							9.5			
143+02.09 to 143+09.54	LT	108980							11.1			
143+26.09 to 143+30.41	RT	108965							8.0			
143+26.47 to 143+30.51	LT	108985							8.0			
146+00.85 to 146+07.32	RT	108990							12.0			
146+45.17 to 146+51.63	RT	108995							12.0			
148+24.26 to 148+30.72	RT	109000							12.0			
148+76.68 to 148+83.18	RT	109005							12.0			
SUB-TOTAL:									309.1			

SUMMARY OF DITCH PAVEMENT									
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONCRETE DITCH PAVEMENT - NON-REINF (4")		DESIGN NOTES	CONSTRUCTION REMARKS	
					0524 1	0524 2			
STA. TO STA.					SY				
					P	F			
94+00.00 to 96+50.00	RT	35540			194.5				
125+50.00 to 129+28.78	LT	35523			295.1				
143+00.00 to 148+50.00	LT	35498			428.3				
SUB-TOTAL:					918				
TOTAL:					918				

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID 46 LAKE 238275-3-52-01			SUMMARY OF QUANTITIES		SHEET NO. SQ-14
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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.

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
					SY			
					P	F		
94+00.00 to 95+12.34	LT	106083			36.6			
94+00.00 to 95+19.74	LT	106061			275.2			
95+34.26 to 99+88.88	LT	23030			149.9			
100+22.88 to 102+40.58	LT	23035			81.0			
142+55.25 to 142+72.21	RT	106339			332.8			
142+59.38 to 143+26.75	RT	106312			994.9			
142+89.37 to 146+18.24	RT	106218			1589.8			
146+34.24 to 148+34.86	RT	108743			112.1			
146+51.63 to 148+24.26	RT	108762			54.8			
148+68.08 to 149+00.00	RT	108774			30.0			
148+83.18 to 149+00.00	RT	108768			4.3			
94+00.00 to 98+62.40	RT	23050			152.6			
94+00.00 to 98+82.15	RT	23406			760.4			
94+00.00 to 99+65.00	LT/RT	16322			1069.3			
95+29.27 to 99+93.74	LT	23366			900.4			
98+69.92 to 102+53.90	RT	23434			422.4			
99+24.91 to 102+34.47	RT	22940			100.2			
100+11.96 to 102+59.37	LT	23345			595.2			
102+75.72 to 105+32.76	RT	23463			318.4			
102+89.39 to 105+87.16	LT	23329			480.1			
102+93.87 to 105+07.57	RT	22947			68.1			
103+08.19 to 105+81.99	LT	22954			88.8			
105+63.96 to 112+45.28	RT	23483			637.8			
105+75.00 to 114+61.69	LT/RT	16314			1667.6			
105+89.17 to 112+40.30	RT	23011			214.6			
106+03.06 to 121+89.60	LT	33010			2842.2			
106+08.06 to 121+83.89	LT	22981			523.3			
112+52.24 to 114+04.14	RT	23515			93.2			
112+62.28 to 113+85.41	RT	22995			38.7			
114+44.26 to 125+16.38	RT	23529			776.4			
117+35.00 to 126+05.00	LT/RT	16307			1633.1			
122+00.89 to 129+56.79	LT	33034			2152.2			
122+05.89 to 129+51.54	LT	23078			246.9			
125+56.38 to 129+01.82	RT	23568			359.7			
125+81.58 to 128+78.63	RT	22988			95.8			
128+87.85 to 129+01.37	RT	23592			14.0			
129+29.30 to 129+37.86	RT	23599			8.1			
129+29.72 to 133+08.51	RT	23605			544.8			
129+53.03 to 132+91.12	RT	23056			109.7			
129+68.54 to 142+33.44	LT	33055			6895.2			
129+73.54 to 141+71.63	LT	23070			398.5			
132+30.00 to 137+60.00	LT/RT	16293			1060.4			
133+28.51 to 135+05.82	RT	23629			220.8			
133+45.91 to 134+88.43	RT	23063			44.8			
135+27.82 to 135+91.08	RT	23650			69.7			
136+03.90 to 138+89.96	RT	23677			1184.6			
139+16.96 to 140+44.73	RT	23713			359.6			
SUB-TOTAL:					30809.0			
TOTAL:					41285			

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856		<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td align="center">46</td> <td align="center">LAKE</td> <td align="center">238275-3-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	46	LAKE	238275-3-52-01	<p align="center">SUMMARY OF QUANTITIES</p>		SHEET NO. SQ-15
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																							
46	LAKE	238275-3-52-01																							

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SUMMARY OF PERFORMANCE TURF (CONT.)								
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
STA. TO STA.					SY			
					P	F		
140+56.73 to 142+29.37	RT	31730			619.1			
141+64.19 to 142+36.53	LT	23183			2163.8			
141+71.98 to 142+25.93	RT	31767			284.1			
141+95.12 to 142+27.95	RT	31757			557.1			
141+95.88 to 142+28.84	RT	31749			192.7			
142+05.86 to 142+25.85	RT	31777			161.1			
142+12.11 to 142+34.45	LT	23200			41.3			
142+75.96 to 149+00.51	LT	33096			5872.7			
143+39.40 to 146+00.85	RT	23103			85.8			
143+39.97 to 149+00.51	LT	23085			187.3			
147+25.00 to 149+00.00	LT/RT	16287			311.0			
SUB-TOTAL:					10476.0			

SUMMARY OF IRRIGATION SLEEVES									
STATION	SIDE	QUANTITY						DESIGN NOTES	CONSTRUCTION REMARKS
		591-1-43		591-1-44		591-1-45			
		2"		4"		6"			
		P	F	P	F	P	F		
97+31	LT	48				48			
100+00	LT	36				36			
101+50	LT	168				168			
102+75	LT	53				53			
105+95	LT	28				28			
110+03	LT	48				48			
121+49	LT	48				48			
121+95	LT	24				24			
129+42	LT			48					
129+65	LT	24				24			
134+92	LT	48				48			
142+50	LT					170			
147+98	LT					48			
SUB-TOTAL:		525		48		743			
TOTAL:		525		48		743			

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-16
				46	LAKE	238275-3-52-01			

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL						CURB INLETS							MANHOLES				DITCH BOTTOM INLETS			MITERED END SECTION		SODDING	RUBBLE RIP-RAP DITCH LINING	REMARKS						
						ROUND						P-1	P-2	J-1	J-1	J-2	J-2 PARTIAL	P-3	P-5	P-5	P-7	P-7	J-7	J-7	C	D	E				18"	24"	SY	TN		
						18"	24"	30"	36"	42"	48"	<10'	<10'	<10'	>10'	<10'	<10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	<10'	<10'										
P	S-1	94+90.00	LT.	Manhole, Pipe	1			88											1																	
F																																				
P	S-2	96+15.00	LT.	Manhole, Pipe	1			121											1																	
F																																				
P	S-3	97+40.00	RT.	Inlet, Pipe	1	108					1																									
F																																				
P	S-4	97+40.00	LT.	Inlet, Pipe	1			120				1																							6.0' DIA. BOTTOM	
F																																				
P	S-5	98+80.00	RT.	Manhole, Pipe	1	136												1																		
F																																				
P	S-6	63+40.00	LT.	Inlet, Pipe	1	39					1																									
F																																				
P	S-7	99+00.00	LT.	Manhole, Pipe	1	155												1																		
F																																				
P	S-8	99+50.00	RT.	Inlet, Pipe	1	66					1																									
F																																				
P	S-9	100+40.00	LT.	Inlet, Pipe	1	136					1																									
F																																				
P	S-10	106+80.00	LT.	Inlet, Pipe	1	274					1																									
F																																				
P	S-11	106+80.00	RT.	Inlet, Pipe	1	109					1																									
F																																				
P	S-12	109+58.00	LT.	Inlet, Pipe	1		112				1																									
F																																				
P	S-13	109+58.00	RT.	Inlet, Pipe	1	109					1																									
F																																				
P	S-14	110+75.00	LT.	Inlet, Pipe	1		142						1																						5.0' DIA. BOTTOM	
F																																				
P	S-15	110+75.00	RT.	Inlet, Pipe	1	109						1																								
F																																				
P	S-16	112+22.00	LT.	Inlet, Pipe	1		263					1																							5.0' DIA. BOTTOM	
F																																				
P	S-17	112+22.00	RT.	Inlet, Pipe	1	109					1																									
F																																				
P	S-18	114+90.00	LT.	Inlet, Pipe	1		305					1																							6.0' DIA. BOTTOM	
F																																				
Sheet Summary				P Total	1350	517	634	0	0	0	9	1	2	1	1	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0		
				F Total																																

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REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	46	LAKE	238275-3-52-01				13

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL						CURB INLETS							MANHOLES				DITCH BOTTOM INLETS			MITERED END SECTION		SODDING	RUBBLE RIP-RAP DITCH LINING	REMARKS							
						ROUND						P-1	P-2	J-1	J-1	J-2	J-2 PARTIAL	P-3	P-5	P-5	P-7	P-7	J-7	J-7	C	D	E				18"	24"	SY	TN			
						18"	24"	30"	36"	42"	48"	<10'	<10'	<10'	>10'	<10'	<10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	<10'	<10'											
P	S-19	114+90.00	RT.	Inlet, Pipe	1	108																															
F																																					
P	S-20	118+00.00	LT.	Manhole, Pipe	1																1																
F																																					
P	S-21	121+00.00	RT.	Inlet, Pipe	1	108																															
F																																					
P	S-22	121+00.00	LT.	Inlet, Pipe	1																																6.0' DIA. BOTTOM
F																																					
P	S-23	124+70.00	RT.	Inlet, Pipe	1	108																															
F																																					
P	S-24	124+70.00	LT.	Inlet, Pipe	1																																6.0' DIA. BOTTOM
F																																					
P	S-25	127+20.00	LT.	Manhole, Pipe	1																																5.0' DIA. BOTTOM
F																																					
P	S-26	128+55.00	RT.	Inlet, Pipe	1	73																															
F																																					
P	S-27	89+85.00	LT.	Inlet, Pipe	1	31																															
F																																					
P	S-28	89+85.00	RT.	Inlet, Pipe	1	37																															
F																																					
P	S-29	129+32.00	RT.	Manhole, Pipe	1	107																															
F																																					
P	S-30	129+35.00	LT.	Inlet, Pipe	1																																7.0' DIA. BOTTOM
F																																					
P	S-31	129+35.00	LT.	Inlet, Pipe	1																																
F																																					
P	S-32	132+00.00	RT.	Inlet, Pipe	1	108																															
F																																					
P	S-33	132+00.00	LT.	Inlet, Pipe	1																																7.0' DIA. BOTTOM
F																																					
P	S-34	134+60.00	RT.	Inlet, Pipe	1	108																															
F																																					
P	S-35	134+60.00	LT.	Inlet, Pipe	1																																7.0' DIA. BOTTOM
F																																					
P	S-36	136+55.00	LT.	Manhole, Pipe	1																																5.0' DIA. BOTTOM
F																																					
Sheet Summary					P Total	788	0	911	1098	0	0	6	0	3	2	0	0	2	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0		
					F Total																																

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBAY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	46	LAKE	238275-3-52-01				14

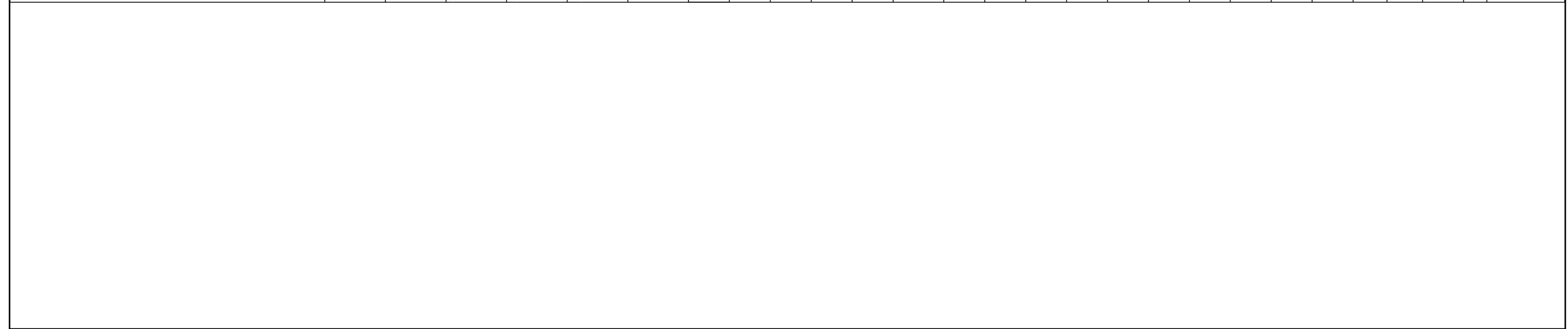
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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL						CURB INLETS							MANHOLES				DITCH BOTTOM INLETS			MITERED END SECTION		SODDING	RUBBLE RIP-RAP DITCH LINING	REMARKS									
						ROUND						P-1	P-2	J-1	J-1	J-2	J-2 PARTIAL	P-3	P-5	P-5	P-7	P-7	J-7	J-7	C	D	E				18"	24"	SY	TN					
						18"	24"	30"	36"	42"	48"	<10'	<10'	<10'	>10'	<10'	<10'	<10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	<10'	<10'												
P	S-37	138+50.00	RT.	Inlet, Pipe	1	108																																	
F																																							
P	S-37A	138+50.00	RT.	Inlet, Pipe	1	168																	1																
F																																							
P	S-38	138+50.00	LT.	Inlet, Pipe	1																																7.0' DIA. BOTTOM		
F																																							
P	S-39	138+50.00	LT.	Inlet, Pipe	1																																5.0' DIA. BOTTOM		
F																																							
P	S-40	140+20.00	RT.	Inlet, Pipe	1	141																																	
F																																							
P	S-41	140+30.00	LT.	Inlet, Pipe	1																																6.0' DIA. BOTTOM		
F																																							
P	S-42	141+65.00	RT.	Inlet, Pipe	1	74																																	
F																																							
P	S-43	141+65.00	LT.	Inlet, Pipe	1																																	4'x4' BOTTOM	
F																																							
P	S-44	141+65.00	LT.	Manhole, Pipe	1																																	10.0' DIA. BOTTOM	
F																																							
P	S-45	109+50.00	LT.	Inlet, Pipe	1	75																																	
F																																							
P	S-46	107+25.00	LT.	Manhole, Pipe	1	57																																	
F																																							
P	S-47	106+90.00	LT.	Inlet, Pipe	1	32																																	
F																																							
P	S-48	106+90.00	RT.	Inlet, Pipe	1	65																																	
F																																							
P	S-49	109+50.00	RT.	Inlet, Pipe	1																																		
F																																							
P	S-50	143+40.00	LT.	Manhole, Pipe	1																																	10.0' DIA. BOTTOM	
F																																							
P	S-51	143+50.00	RT.	Inlet, Pipe	1	146																																4'x4' BOTTOM	
F																																							
P	S-52	145+00.00	RT.	Inlet, Pipe	1	76																																	4'x4' BOTTOM
F																																							
P	S-53	145+80.00	LT.	Inlet, Pipe	1																																		8.0' DIA. BOTTOM
F																																							
Sheet Summary					P Total	942	114	0	12	302	491	5	0	1	2	0	0	0	0	2	1	1	0	1	1	1	1	1	2	0	0	0	0	0	0	0			
					F Total																																		

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REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				SUMMARY OF DRAINAGE STRUCTURES				SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		46						LAKE	238275-3-52-01

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL						CURB INLETS							MANHOLES				DITCH BOTTOM INLETS			MITERED END SECTION		SODDING	RUBBLE RIP-RAP DITCH LINING	REMARKS						
						ROUND						P-1	P-2	J-1	J-1	J-2	J-2 PARTIAL	P-3	P-5	P-5	P-7	P-7	J-7	J-7	C	D	E									
						18"	24"	30"	36"	42"	48"	<10'	<10'	<10'	>10'	<10'	<10'	<10'	<10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	<10'				<10'	18"	24"	SY	TN	
P	S-54	145+80.00	RT.	Manhole, Pipe	1				68																									7.0' DIA. BOTTOM		
F																																				
P	S-55	145+80.00	RT.	Inlet, Pipe	1	47																														
F																																				
P	S-56	145+80.00	RT.	Inlet, Pipe	1	22																														
F																																				
P	S-57	146+75.00	RT.	Inlet, Pipe	1	91																														
F																																				
P	S-58	146+80.00	LT.	Inlet, Pipe	1	9																														
F																																				
P	S-59	146+80.00	LT.	Inlet																																
F																																				
P	S-100	106+70.00	LT.	Inlet, Pipe	1	83																														
F																																				
P	S-101	105+85.00	LT.	Inlet, Pipe	1	63																														
F																																				
P	S-102	105+15.00	LT.	MES	1																															
F																																				
P	S-110	103+28.35	LT.&RT.	MES, Pipe, MES	1		60																													
F																																				
				Sheet Summary	P Total	315	60	0	68	0	0	2	0	0	0	0	1	0	0	0	0	0	0	1	4	0	0	1	2	78	17					
				Final Summary	F Total	3395	691	1545	1178	302	491	22	1	6	5	1	1	2	2	1	4	3	2	3	5	1	3	1	2	78	17					



REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				46	LAKE	238275-3-52-01		

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

SUMMARY OF PERFORMANCE TURF (CONT.)								
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
STA. TO STA.					SY			
					P	F		
140+56.73 to 142+29.37	RT	31730			619.1			
141+64.19 to 142+36.53	LT	23183			2163.8			
141+71.98 to 142+25.93	RT	31767			284.1			
141+95.12 to 142+27.95	RT	31757			557.1			
141+95.88 to 142+28.84	RT	31749			192.7			
142+05.86 to 142+25.85	RT	31777			161.1			
142+12.11 to 142+34.45	LT	23200			41.3			
142+75.96 to 149+00.51	LT	33096			5872.7			
143+39.40 to 146+00.85	RT	23103			85.8			
143+39.97 to 149+00.51	LT	23085			187.3			
147+25.00 to 149+00.00	LT/RT	16287			311.0			
SUB-TOTAL:					10476.0			

SUMMARY OF IRRIGATION SLEEVES									
STATION	SIDE	QUANTITY						DESIGN NOTES	CONSTRUCTION REMARKS
		591-1-43		591-1-44		591-1-45			
		2"		4"		6"			
		P	F	P	F	P	F		
97+31	LT	48				48			
100+00	LT	36				36			
101+50	LT	168				168			
102+75	LT	53				53			
105+95	LT	28				28			
110+03	LT	48				48			
121+49	LT	48				48			
121+95	LT	24				24			
129+42	LT			48					
129+65	LT	24				24			
134+92	LT	48				48			
142+50	LT					170			
147+98	LT					48			
SUB-TOTAL:		525		48		743			
TOTAL:		525		48		743			

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-16
					46	LAKE	238275-3-52-01		

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

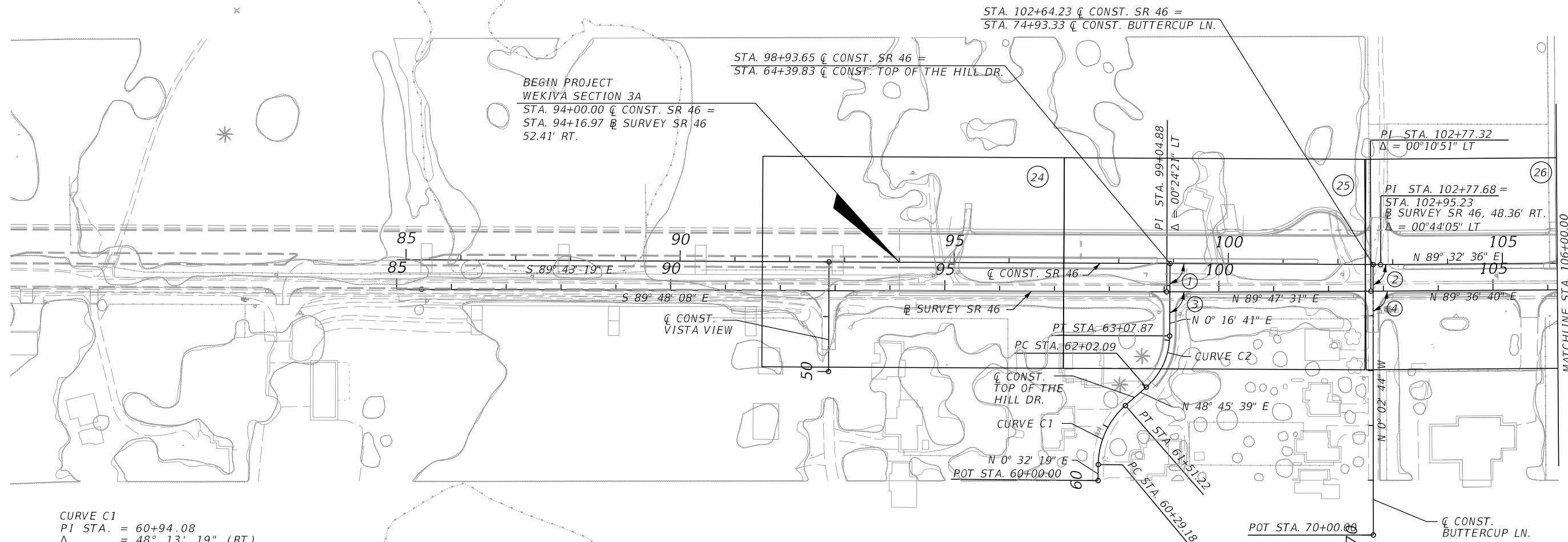
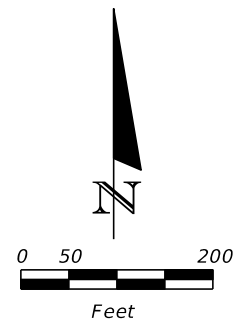
OPTIONAL MATERIALS SYSTEMS

<i>STRUCTURE NUMBERS</i>	<i>DSL YEARS</i>	<i>SIZE (IN)</i>	<i>MATERIAL & THICKNESS</i>	<i>PLOTTED</i>	<i>AS BUILT</i>	<i>REMARKS</i>
<i>S-43 AND S-49</i>	<i>100</i>	<i>24</i>	<i>ADD POLYPROPYLENE ADD PVC, ASTM F-949 ADD SRAP, 16 GA. ADD SRASP, 16 GA. ADD SRSP, 16 GA.</i>			
<i>S-44</i>	<i>100</i>	<i>48</i>	<i>EXCLUDE NRCP, CLASS I</i>			
<i>S-100 THRU S-102</i>	<i>100</i>	<i>18</i>	<i>ADD SRAP, 16 GA. ADD SRASP, 16 GA. ADD SRSP, 16 GA.</i>			

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INTERSECTION ANGLES

- ① 90°00'00"
- ② 89°40'35"
- ③ 90°29'10"
- ④ 90°20'36"



CURVE C1
 PI STA. = 60+94.08
 Δ = 48° 13' 19" (RT)
 D = 39° 30' 52"
 T = 64.90
 L = 122.04
 R = 145.00
 PC STA. = 60+29.18
 PT STA. = 61+51.22

CURVE C2
 PI STA. = 62+58.38
 Δ = 48° 28' 58" (LT)
 D = 45° 50' 12"
 T = 56.29
 L = 105.77
 R = 125.00
 PC STA. = 62+02.09
 PT STA. = 63+07.87

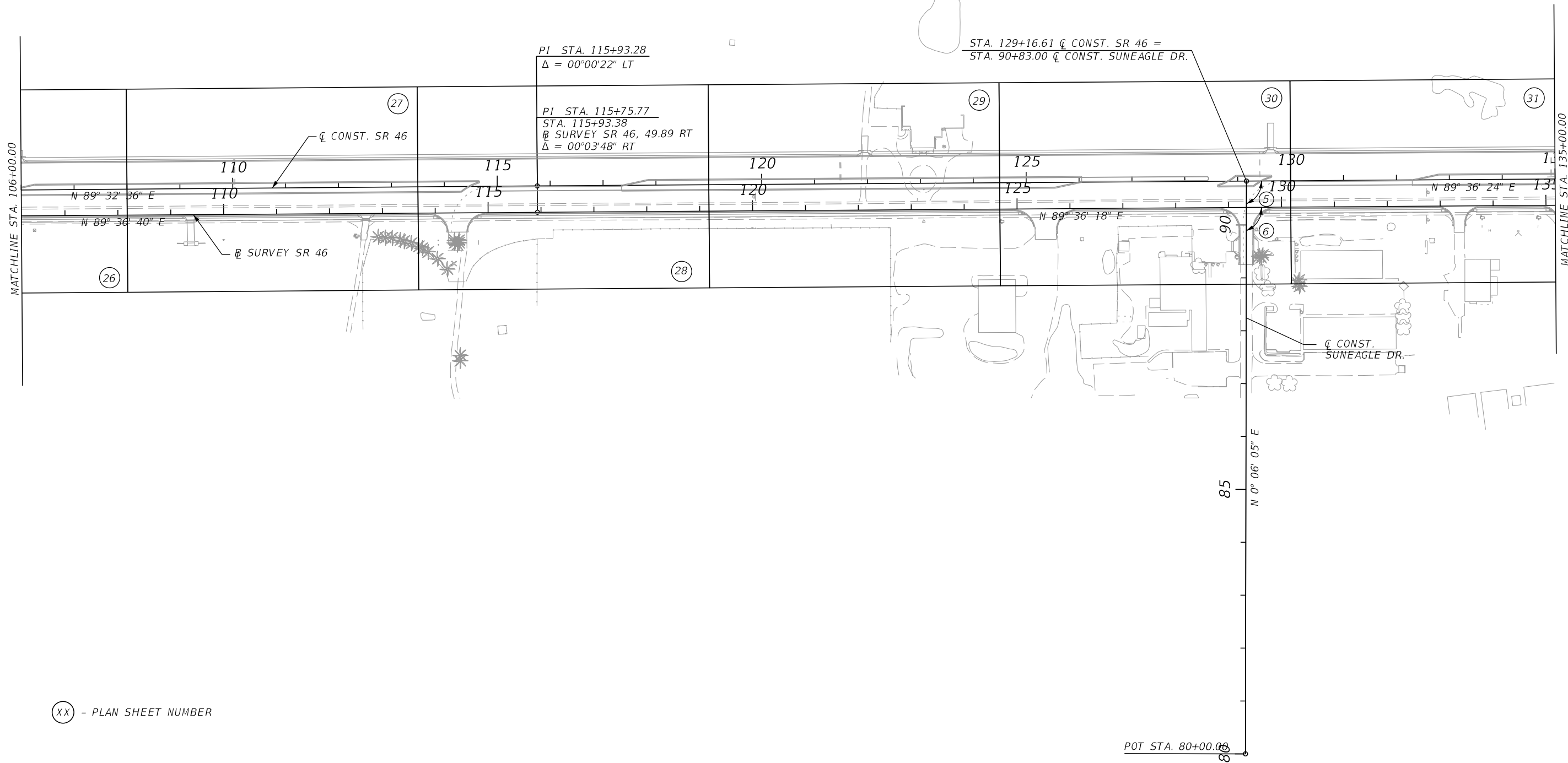
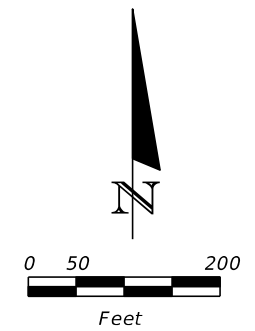
(XX) - PLAN SHEET NUMBER

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		19

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

INTERSECTION ANGLES

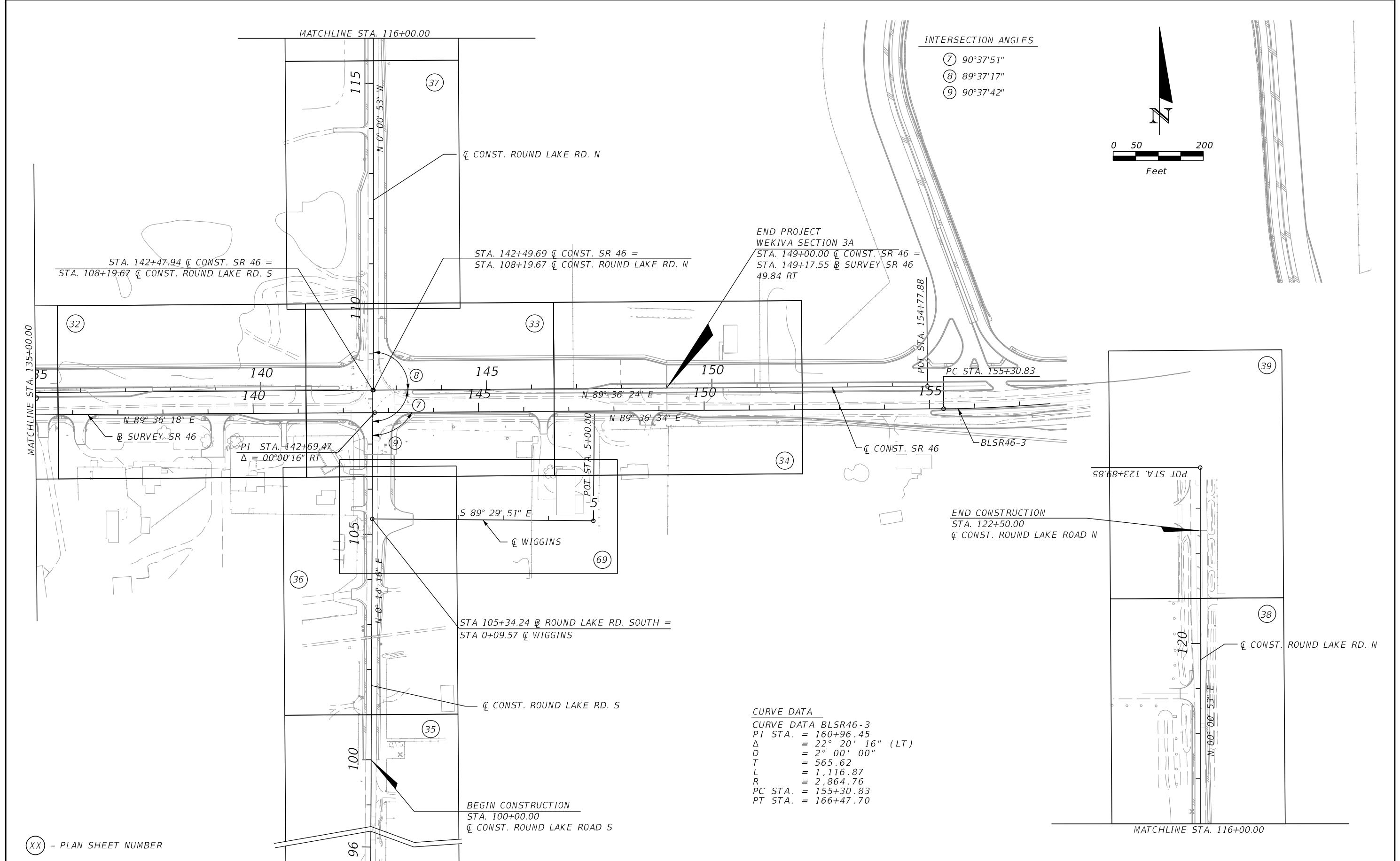
- ⑤ 90°29'41"
- ⑥ 90°29'47"



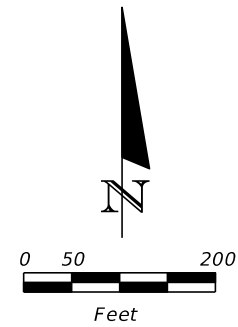
ⓧ - PLAN SHEET NUMBER

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (2)	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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- INTERSECTION ANGLES**
- ⑦ 90°37'51"
 - ⑧ 89°37'17"
 - ⑨ 90°37'42"



END PROJECT
WEKIVA SECTION 3A
STA. 149+00.00 \bar{C} CONST. SR 46 =
STA. 149+17.55 \bar{B} SURVEY SR 46
49.84 RT

END CONSTRUCTION
STA. 122+50.00
 \bar{C} CONST. ROUND LAKE ROAD N

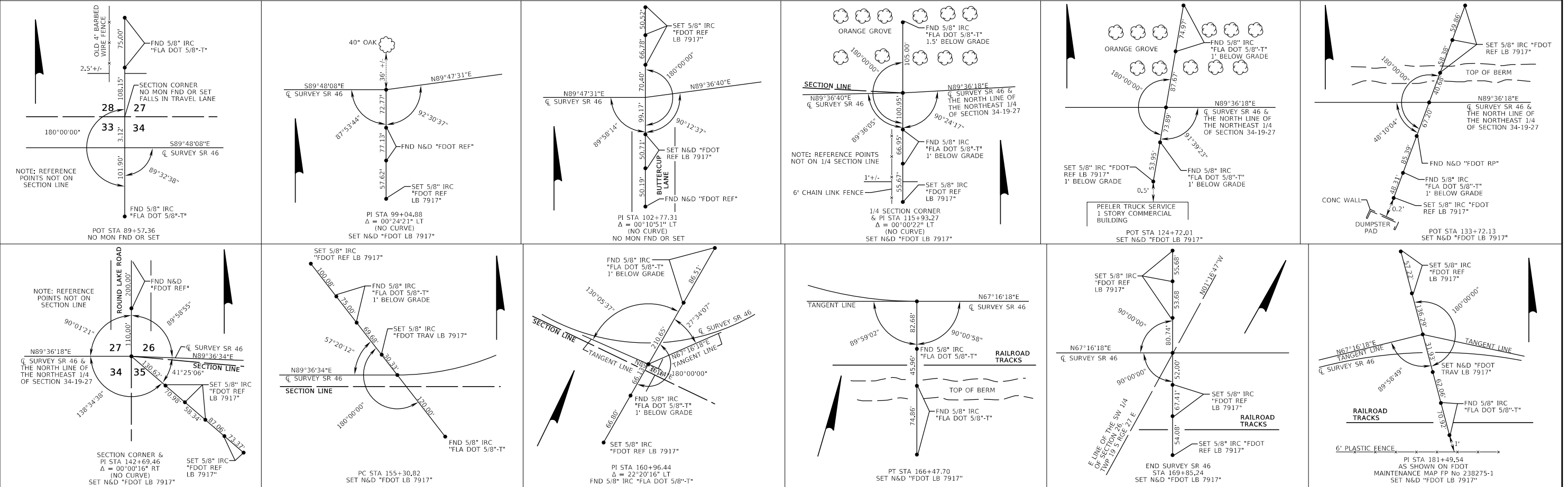
CURVE DATA
CURVE DATA BLSR46-3
PI STA. = 160+96.45
 Δ = 22° 20' 16" (LT)
D = 2° 00' 00"
T = 565.62
L = 1,116.87
R = 2,864.76
PC STA. = 155+30.83
PT STA. = 166+47.70

XX - PLAN SHEET NUMBER

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (3)	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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SR 46 CENTERLINE REFERENCE POINT DETAILS



BENCHMARK	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
PNC1033	1624244.059	460590.940	77.657	85+47.91	20.37 RT	8" DIA. PAVED CONC. MONUMENT W/3.5" BRASS DISC STAMPED "ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY WEKIVA PARKWAY 1033"
PNC1034	1624241.443	462256.220	152.975	102+13.06	19.42 RT	8" DIA. PAVED CONC. MONUMENT W/3.5" BRASS DISC STAMPED "ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY WEKIVA PARKWAY 1034"
PNC1035	1624253.461	464366.585	155.45	123+23.40	21.60 RT	8" DIA. PAVED CONC. MONUMENT W/3.5" BRASS DISC STAMPED "ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY WEKIVA PARKWAY 1035"
PNC1036	1623813.910	466285.671	88.67	142+39.40	474.37 RT	8" DIA. PAVED CONC. MONUMENT W/3.5" BRASS DISC STAMPED "ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY WEKIVA PARKWAY 1036"
PNC1037	1625062.055	466343.879	145.57	143+06.45	773.35 LT	8" DIA. PAVED CONC. MONUMENT W/3.5" BRASS DISC STAMPED "ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY WEKIVA PARKWAY 1037"

ALL STA/OFF TAKEN FROM SURVEY SR 46.

COORDINATE DATA					
LINE	CURVE NUMBER	CONTROL POINT	STATION	COORDINATES	
				NORTH	EAST
B/L Survey		PINC	85+45.65	1,624,264.4327	460,588.7447
B/L Survey		PINC	99+04.88	1,624,259.7406	461,947.9737
B/L Survey		PINC	102+77.32	1,624,261.0931	462,320.4061
B/L Survey		PINC	115+93.28	1,624,270.0234	463,636.3358
B/L Survey		PINC	142+69.47	1,624,288.4766	466,312.4601
B/L Survey		PC	155+30.83	1,624,297.0758	467,573.7934
C/L Const.		PT	77+14.17	1,624,322.0109	459,774.5089
C/L Const.		PINC	102+77.68	1,624,309.5703	462,337.9939
C/L Const.		PINC	115+75.77	1,624,319.9156	463,636.0441
C/L Const.		POT	154+77.88	1,624,346.6956	467,538.0539

NOTE: REFERENCE TIES PER RIGHT-OF-WAY MAPS FOR SECTION 11130, SR 46 FROM WEST OF SR 500 TO EAST OF ROUND LAKE ROAD BY MCKIM AND CREED, INC.

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT CONTROL SHEET	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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

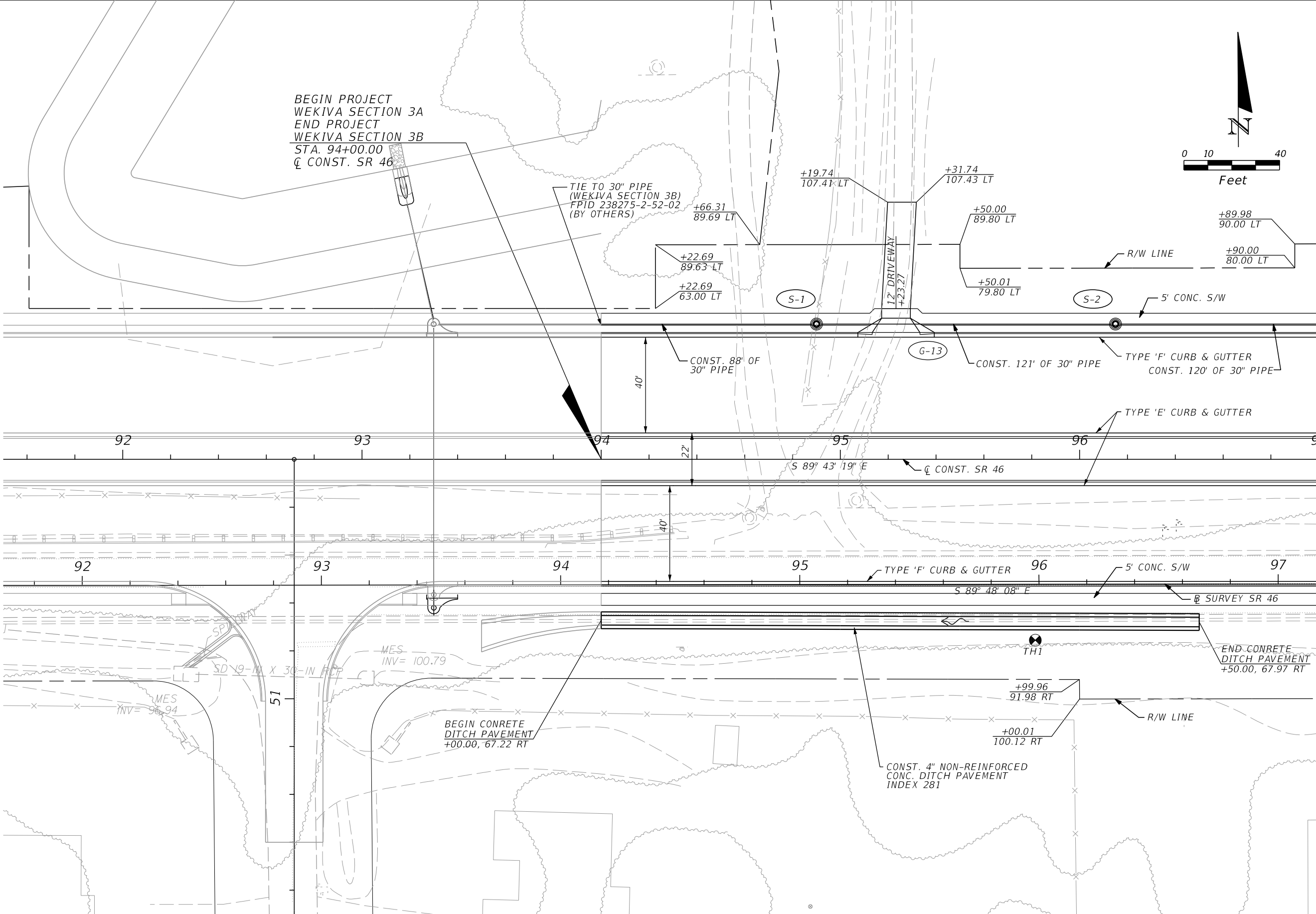
GENERAL NOTES:

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
2. FOR MISCELLANEOUS STRUCTURES THAT HAVE BEEN COMPLETED AND SCHEDULED FOR ACCEPTANCE, THE CEI, PROJECT MANAGER OR THE PROJECT ADMINISTRATOR SHALL CONTACT DISTRICT FIVE STRUCTURES MAINTENANCE OFFICE AT (386) 740-3463 TWO WEEKS PRIOR TO COMPLETION OF THE PROJECT TO SCHEDULE AN INSPECTION OF STRUCTURES INCLUDING CABLE SIGNS, CANTILEVER SIGNS, TRUSS SIGNS, HIGH MAST LIGHT POLES, ITS, DMS AND TRAFFIC SIGNAL MAST ARMS.
3. THE CONTRACTOR IS TO LOCATE THE IRRIGATION SYSTEM NEAR PARCEL 103, CUT IT, CAP IT AND REMOVE IT WITHIN THE RIGHT-OF-WAY. THIS IS TO BE PAID FOR UNDER THE CLEARING AND GRUBBING PAY ITEM.
4. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE: CITY OF MT. DORA ART FESTIVAL.

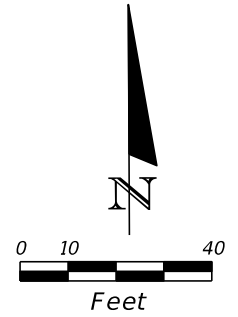
PAY ITEM NOTES:

- 102-104 INCLUDES THE COST OF MODIFICATIONS TO THE SIGNAL CONTROLLER AT ROUND LAKE ROAD AS SHOWN IN THE SIGNALIZATION PLANS.
- 110-1-1 INCLUDES THE CAPTURE OF ENDANGERED SPECIES AS CALLED OUT IN THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) GOPHER TORTOISE RELOCATION PERMIT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO TRAP OR EXCAVATE THE TORTOISES FOR RELOCATION WITH QUALIFIED PERSONNEL IN ACCORDANCE WITH THE PERMIT CONDITIONS AND PROVISIONS.
- THE CONTRACTOR IS RESPONSIBLE TO PAY ALL MITIGATION AND RECIPIENT SITE FEES, INCLUDING TRANSPORTATION OF CAPTURED TORTOISES TO THE RECIPIENT SITE AND ENCLOSURE AT THE RECIPIENT SITE, AND THE CONTRACTOR WILL RENEW THE TERM OF THE PERMIT AS NEEDED. NO CLEARING OR GROUND DISTURBING WORK SHALL BEGIN IN GOPHER TORTOISE HABITAT UNTIL ALL TORTOISES HAVE BEEN SAFELY REMOVED AND THE CONTRACTOR HAS FURNISHED THE PROJECT ADMINISTRATOR WITH A DRAFT COPY OF THE POST-RELOCATION REPORT FORM WITH THE DONOR SITE PORTION COMPLETED. FURNISH THE PROJECT ADMINISTRATOR A COPY OF THE FINAL REPORT WHEN IT IS SUBMITTED TO FWC.
- 570-1-2 ALL SOD SHALL MATCH EXISTING ADJACENT SOD.
- 630-2-11 THE TOTALS SHOWN IN THE ROADWAY SUMMARY OF PAY ITEMS ARE FOR IRRIGATION SLEEVES FOR A FUTURE IRRIGATION SYSTEM TO BE INSTALLED BY OTHERS. SEE PLANS AND SLEEVING SUMMARY FOR DETAILS.
- 710- THE TOTALS SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



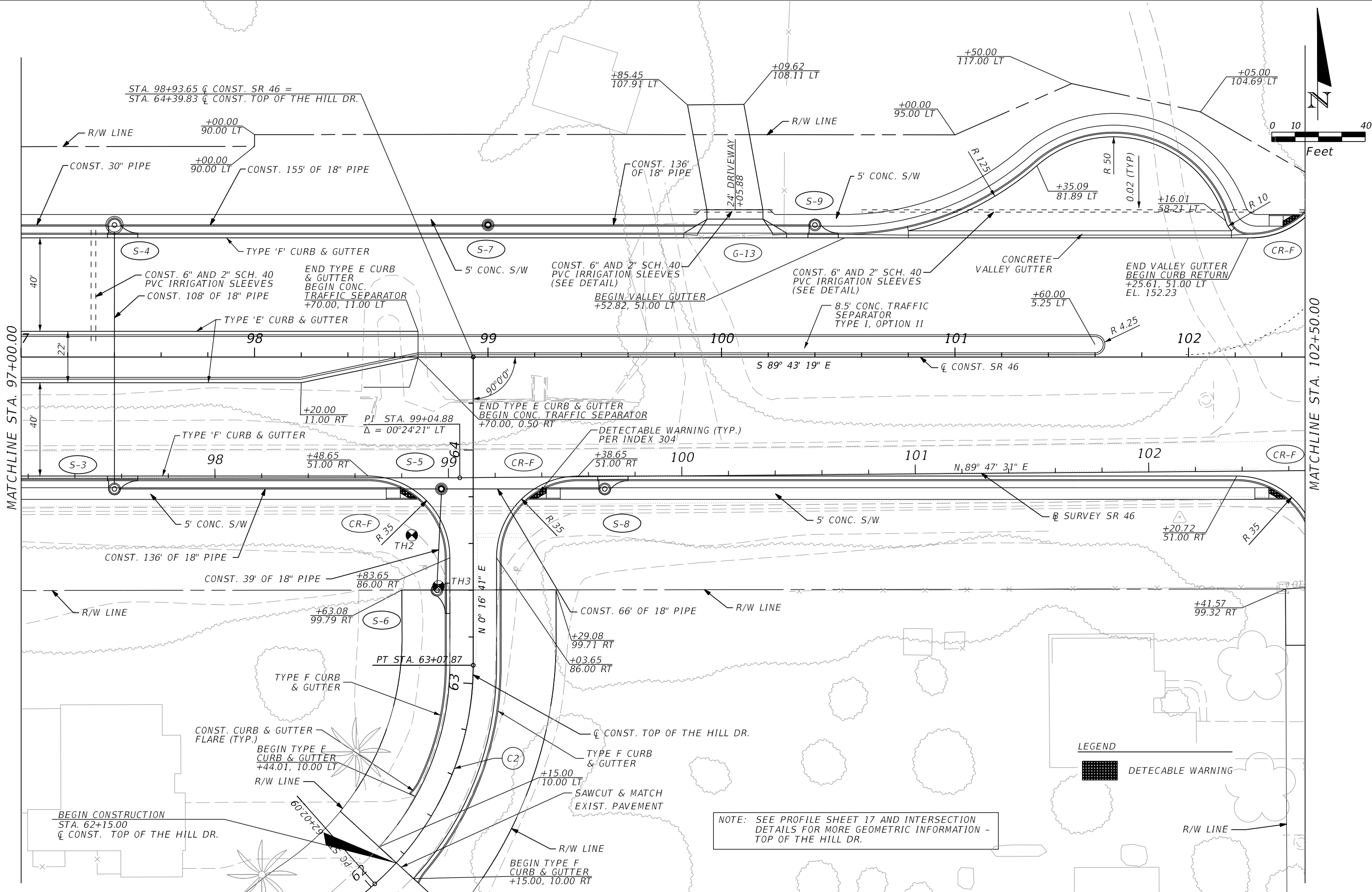
BEGIN PROJECT
WEKIVA SECTION 3A
END PROJECT
WEKIVA SECTION 3B
STA. 94+00.00
CL CONST. SR 46



MATCHLINE STA. 97+00.00

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET (1) SR 46	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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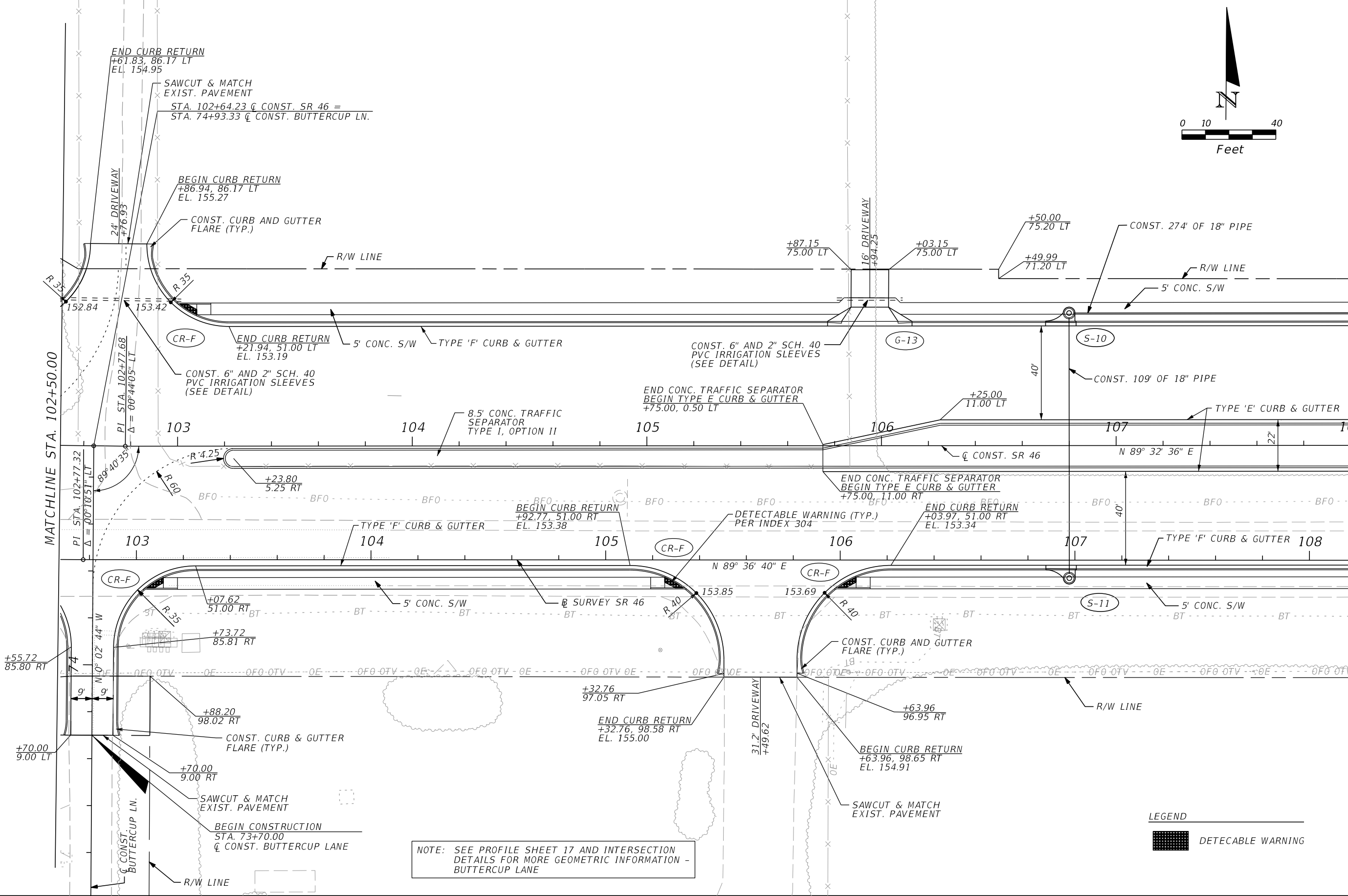
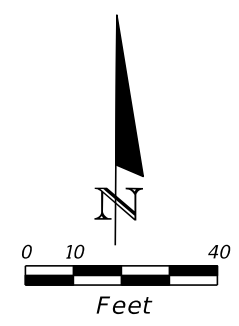
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET (2)
SR 46

SHEET NO.
25



NOTE: SEE PROFILE SHEET 17 AND INTERSECTION DETAILS FOR MORE GEOMETRIC INFORMATION - BUTTERCUP LANE

LEGEND

 DETECABLE WARNING

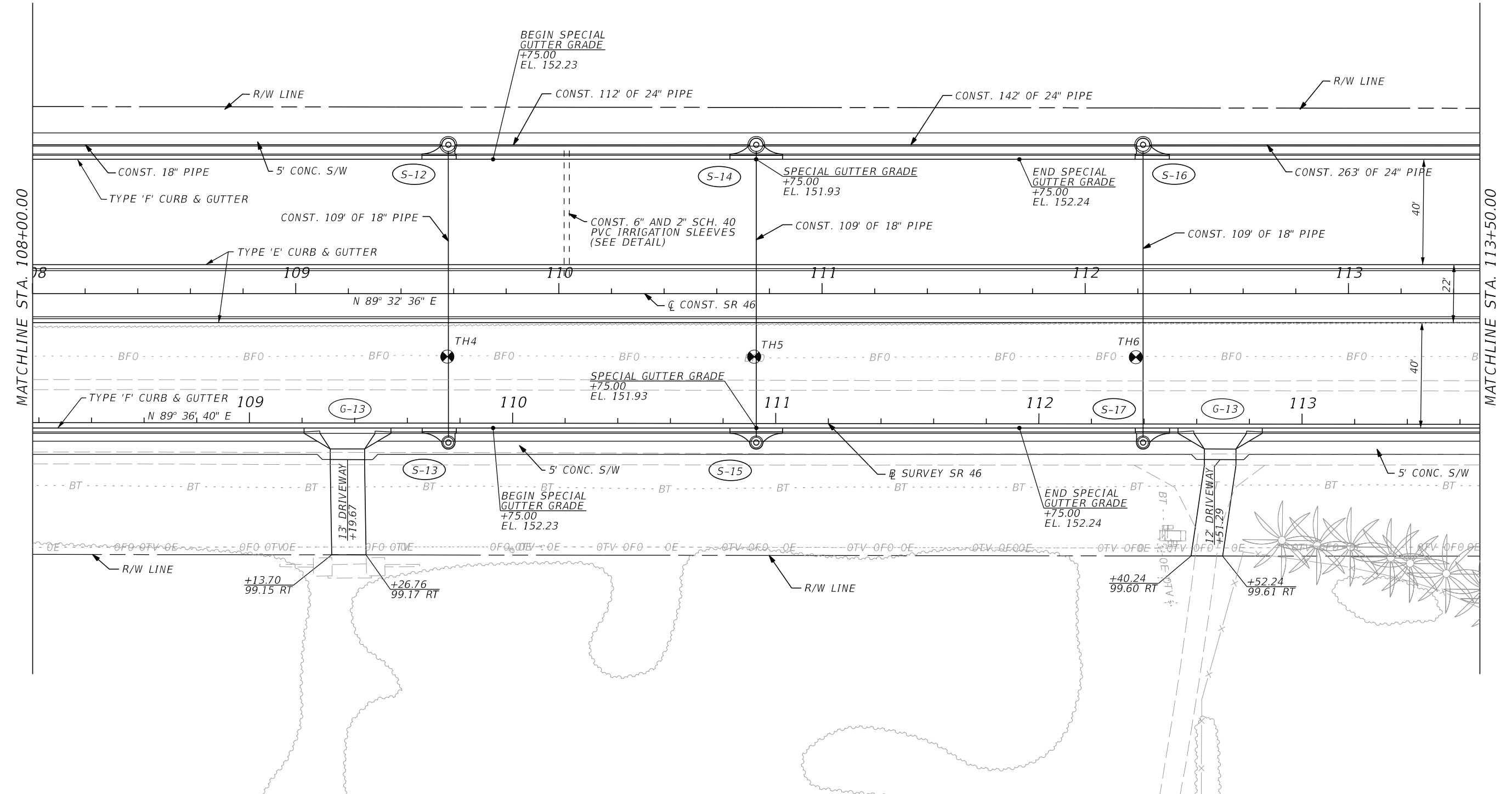
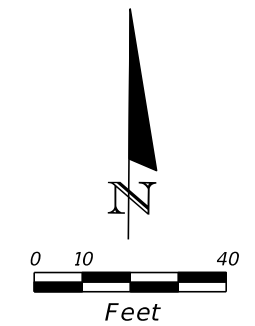
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET (3)
 SR 46
 SHEET NO.
 26

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

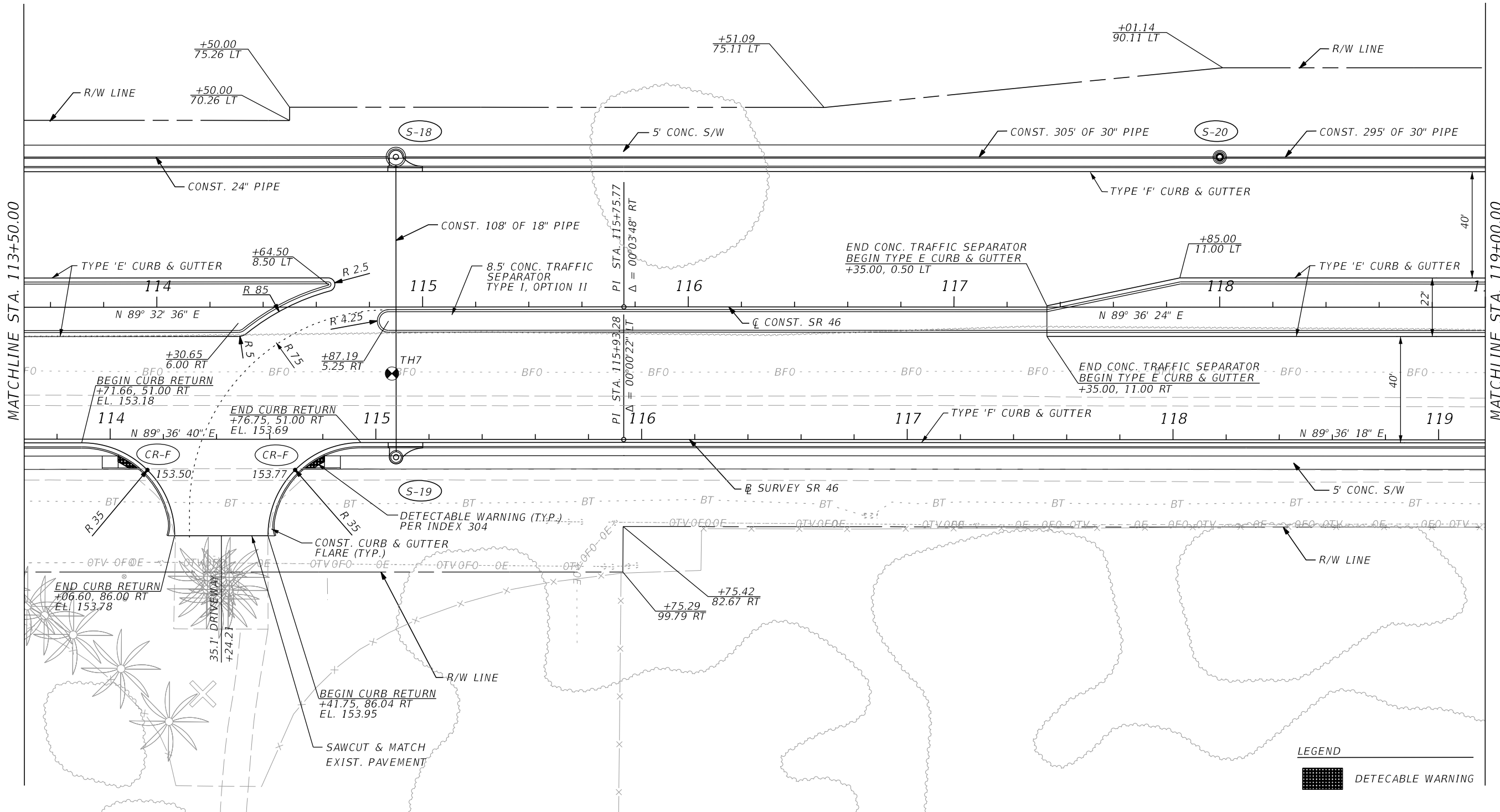
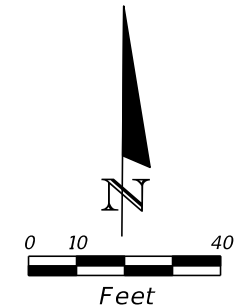
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET (4)
SR 46

SHEET
 NO.
 27

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



LEGEND
 DETECABLE WARNING

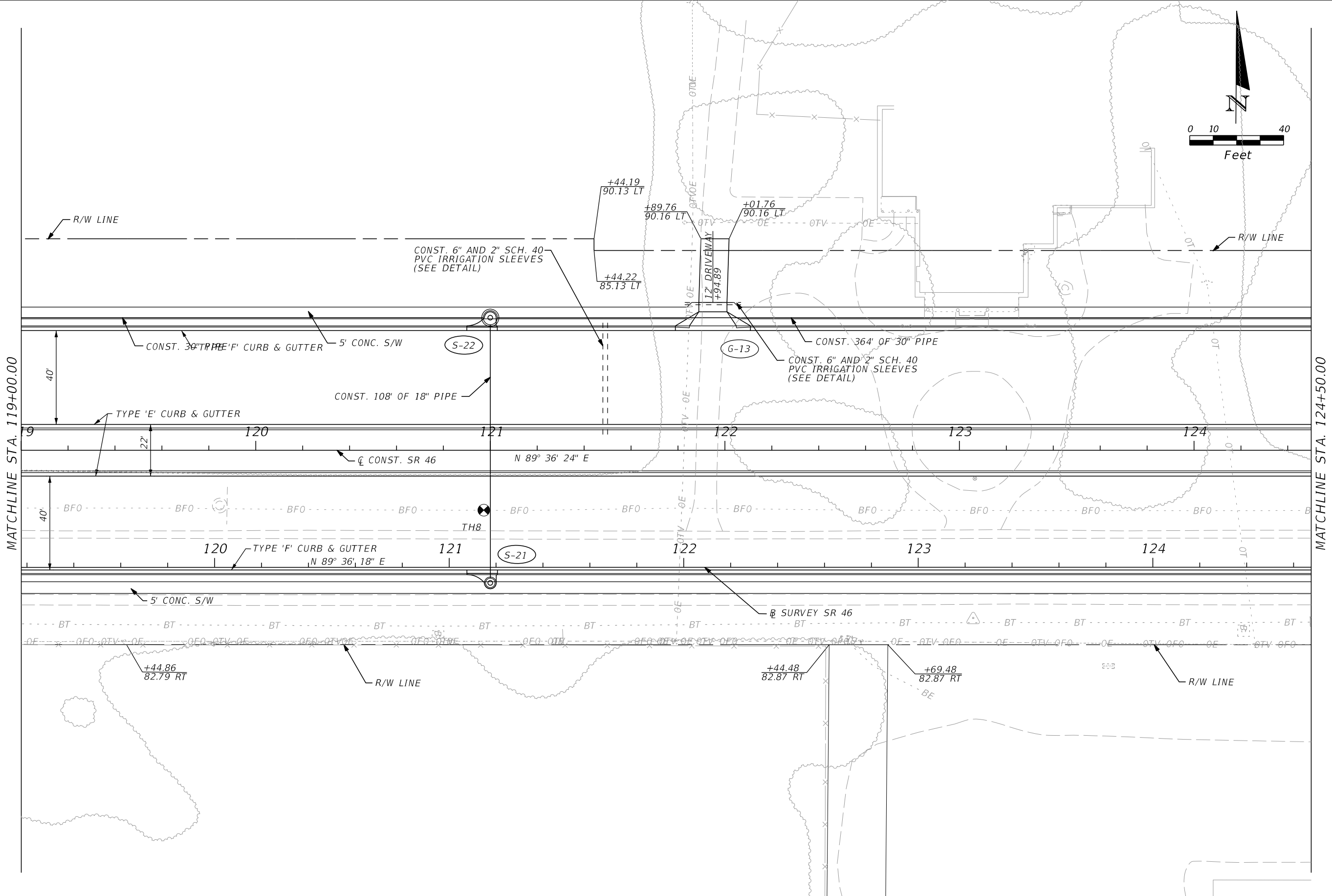
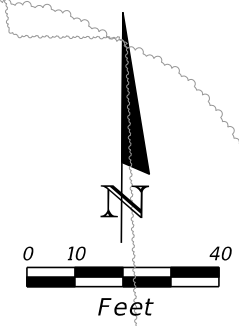
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

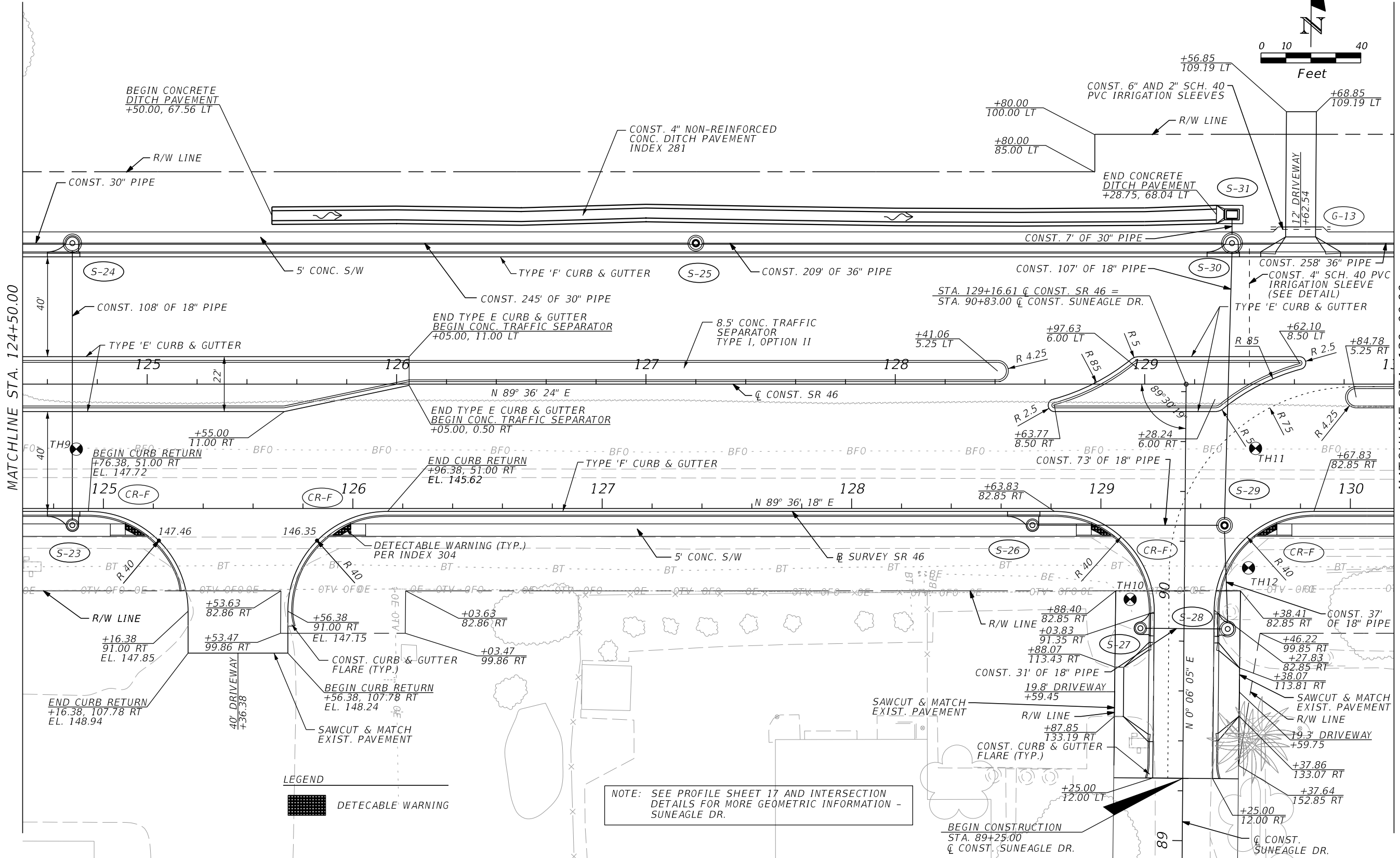
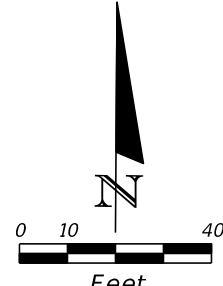
PLAN SHEET (5)
SR 46
 SHEET NO. 28

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REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET (6) SR 46	SHEET NO. 29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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LEGEND
 DETECABLE WARNING

NOTE: SEE PROFILE SHEET 17 AND INTERSECTION DETAILS FOR MORE GEOMETRIC INFORMATION - SUNEAGLE DR.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

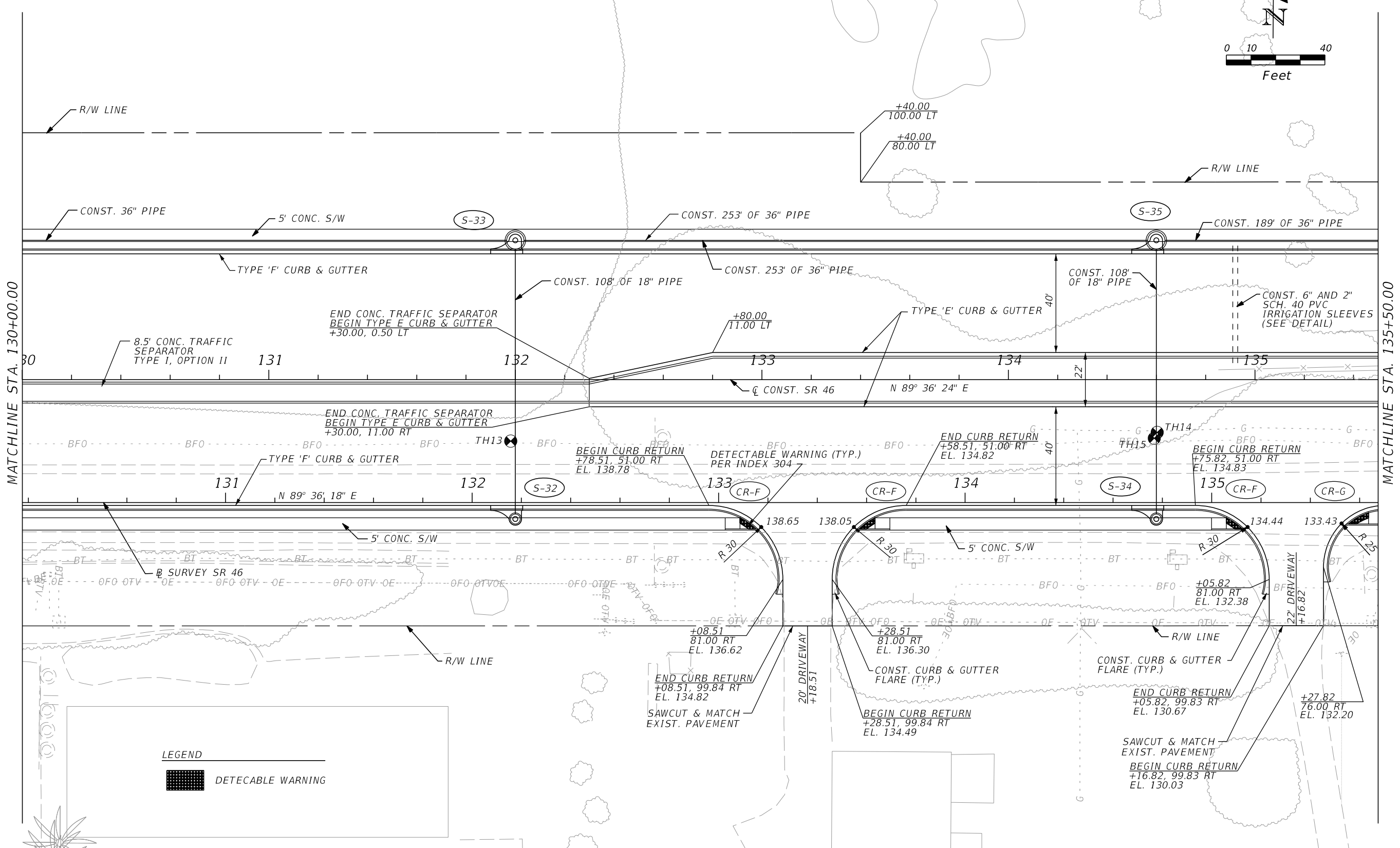
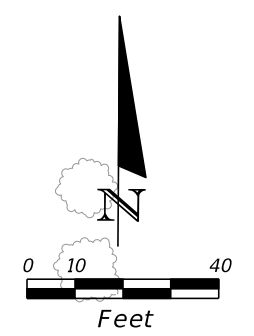
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET (7)
SR 46

SHEET NO.
30

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LEGEND
 DETECABLE WARNING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

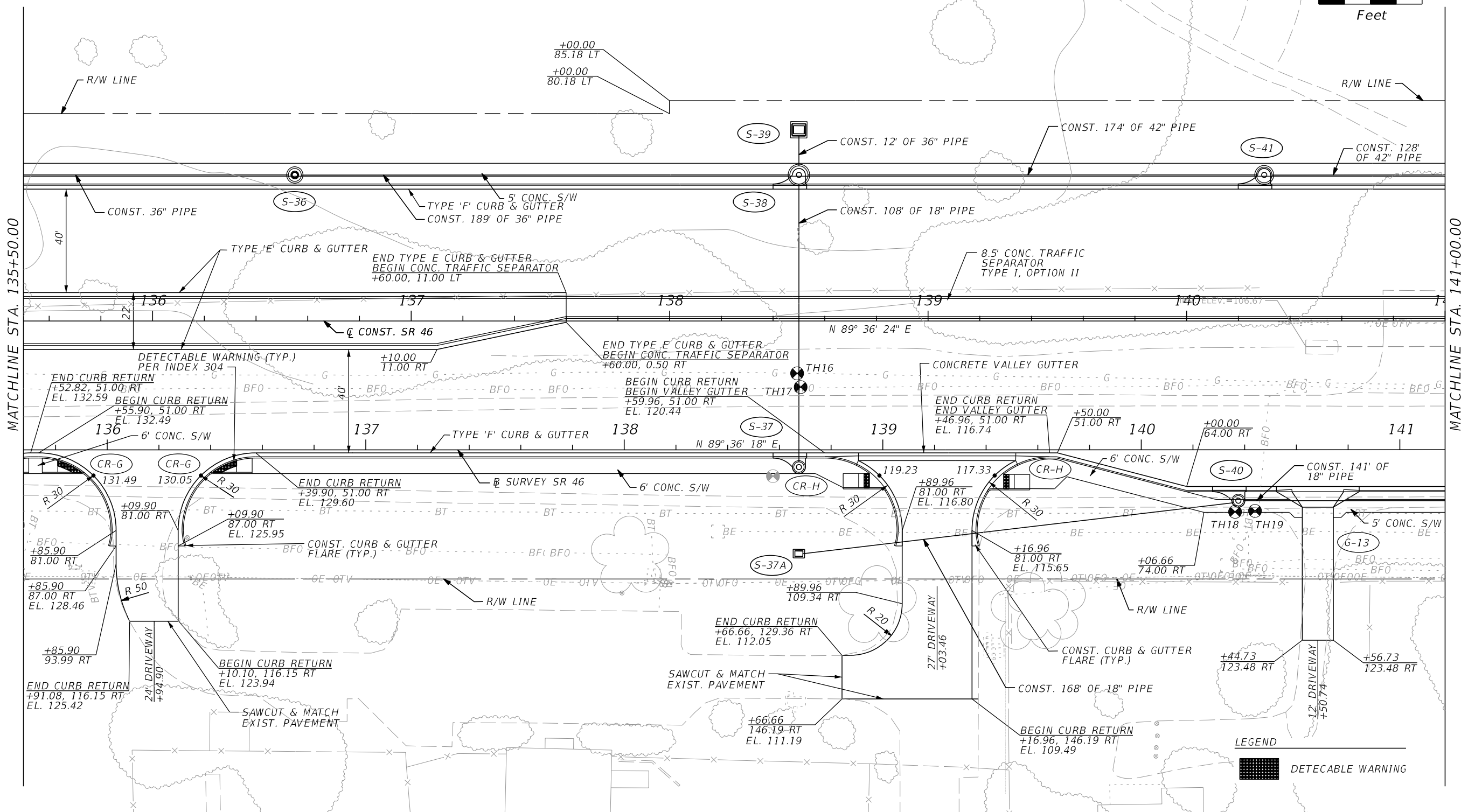
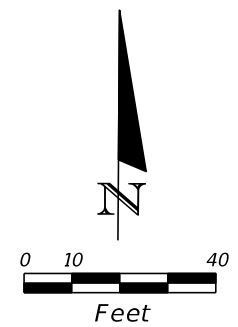
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET (8)
SR 46

SHEET NO.
 31

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



MATCHLINE STA. 135+50.00

MATCHLINE STA. 141+00.00

LEGEND
 DETECABLE WARNING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

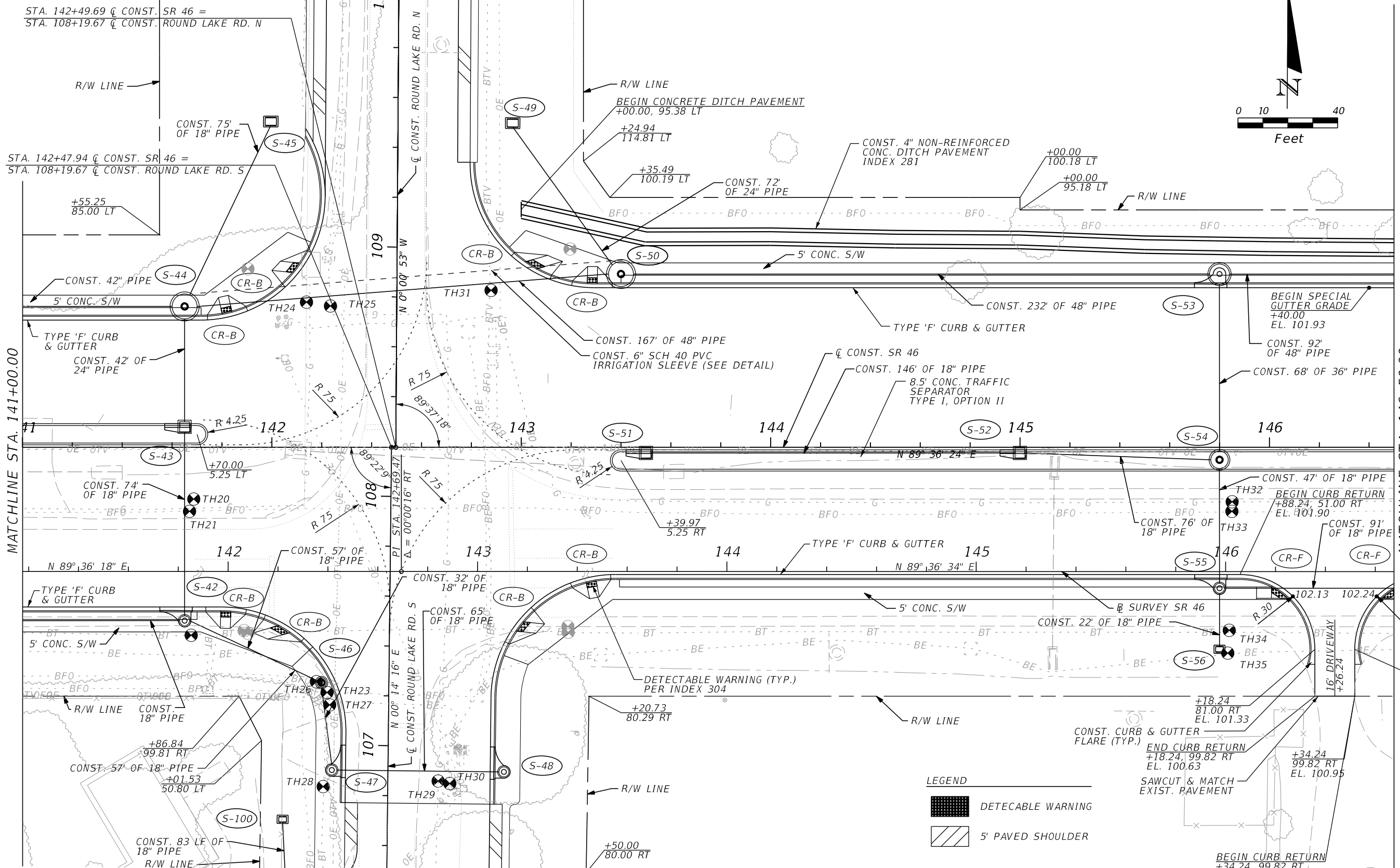
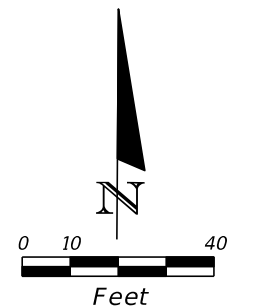
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET (9)
SR 46

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.

MATCHLINE STA. 110+00.00 SEE PLAN SHEET 14



MATCHLINE STA. 141+00.00

MATCHLINE STA. 146+50.00

MATCHLINE STA. 106+50.00 SEE PLAN SHEET 13

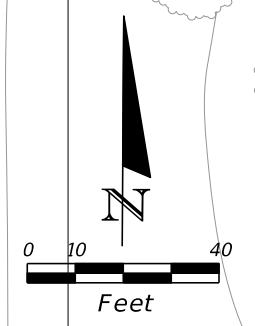
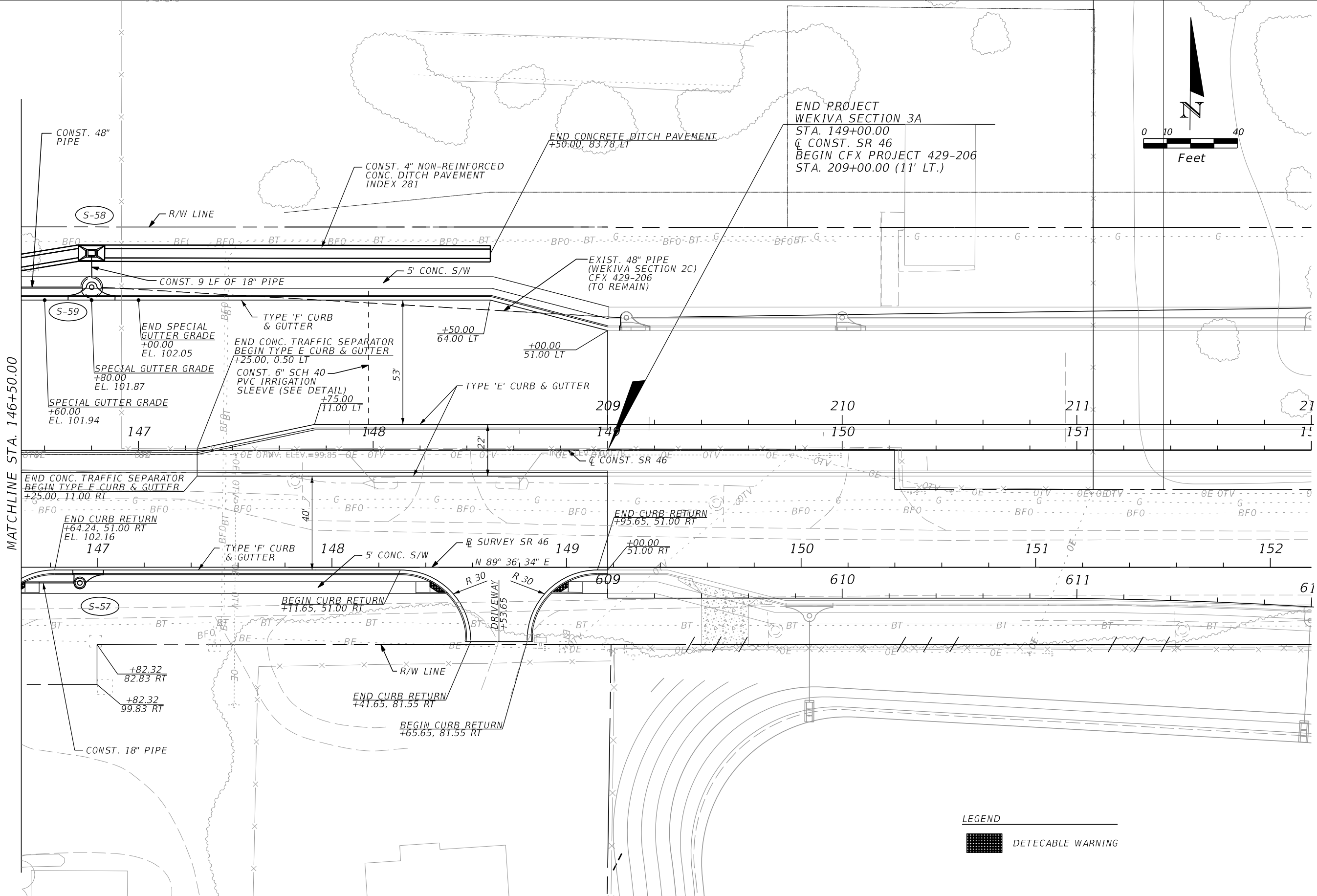
LEGEND

	DETECABLE WARNING
	5' PAVED SHOULDER

NOTE: SEE PROFILE SHEETS 13 AND 14 AND INTERSECTION DETAILS FOR MORE GEOMETRIC INFORMATION - ROUND LAKE ROAD N AND ROUND LAKE ROAD S

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET (10) SR 46	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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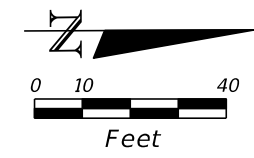
LEGEND
 DETECABLE WARNING

MATCHLINE STA. 146+50.00

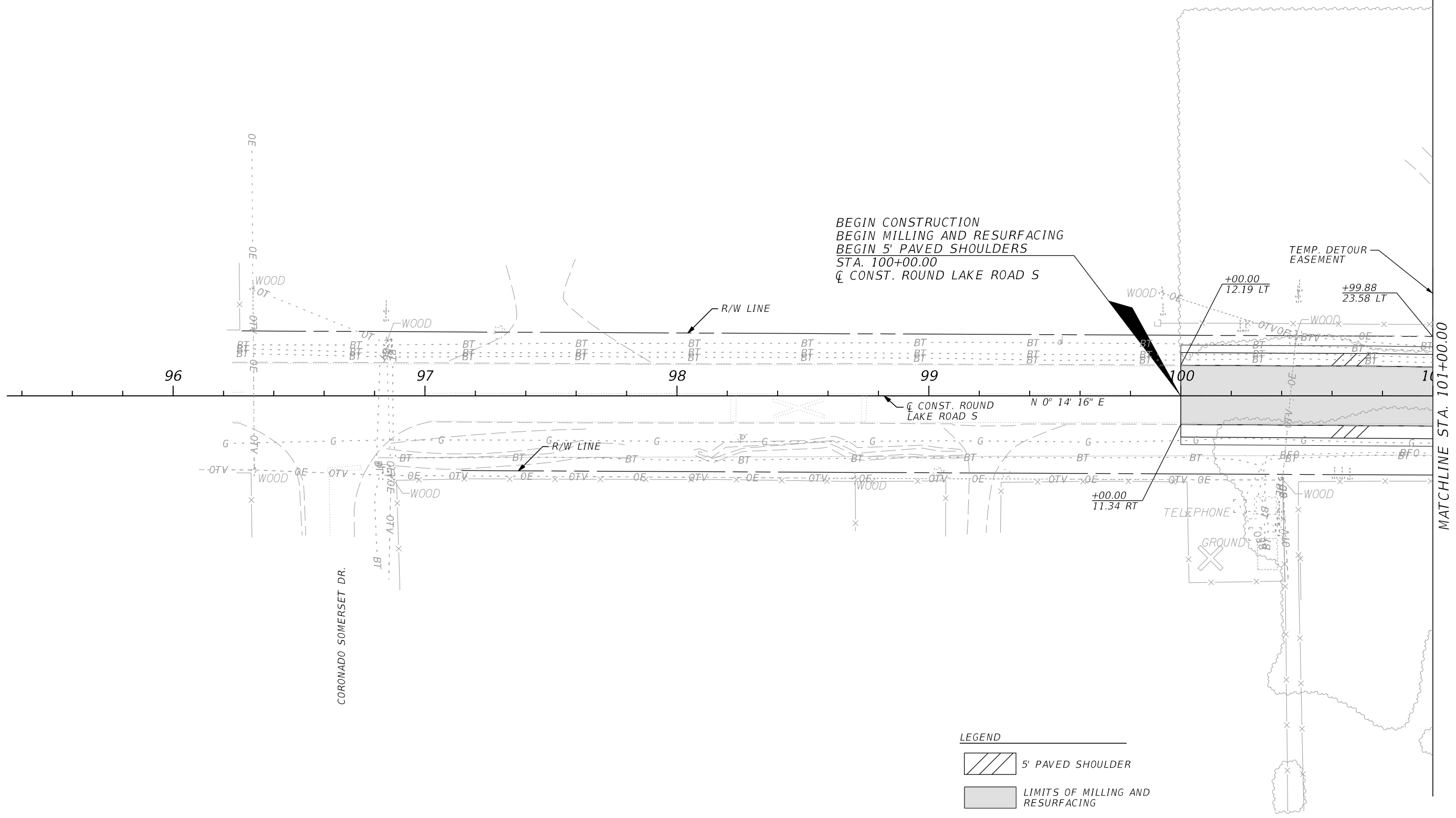
END PROJECT
 WEKIVA SECTION 3A
 STA. 149+00.00
 C CONST. SR 46
 BEGIN CFX PROJECT 429-206
 STA. 209+00.00 (11' LT.)

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET (11) SR 46	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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BEGIN CONSTRUCTION
 BEGIN MILLING AND RESURFACING
 BEGIN 5' PAVED SHOULDERS
 STA. 100+00.00
 @ CONST. ROUND LAKE ROAD S

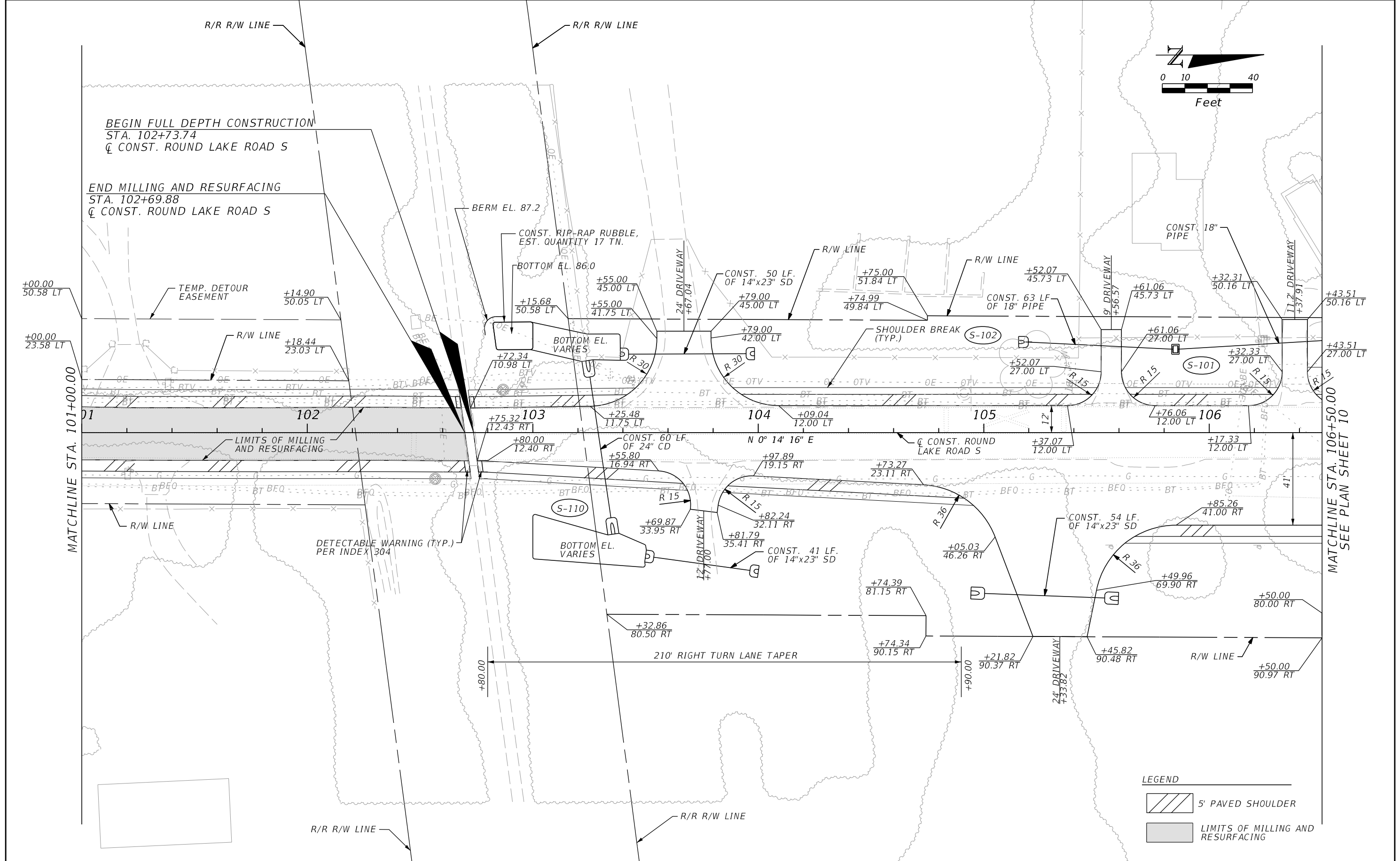
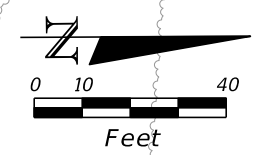


LEGEND

	5' PAVED SHOULDER
	LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET (12) ROUND LAKE ROAD SOUTH	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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MATCHLINE STA. 101+00.00

MATCHLINE STA. 106+50.00
SEE PLAN SHEET 10

LEGEND

	5' PAVED SHOULDER
	LIMITS OF MILLING AND RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

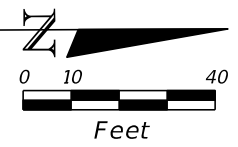
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET (13)
ROUND LAKE ROAD SOUTH

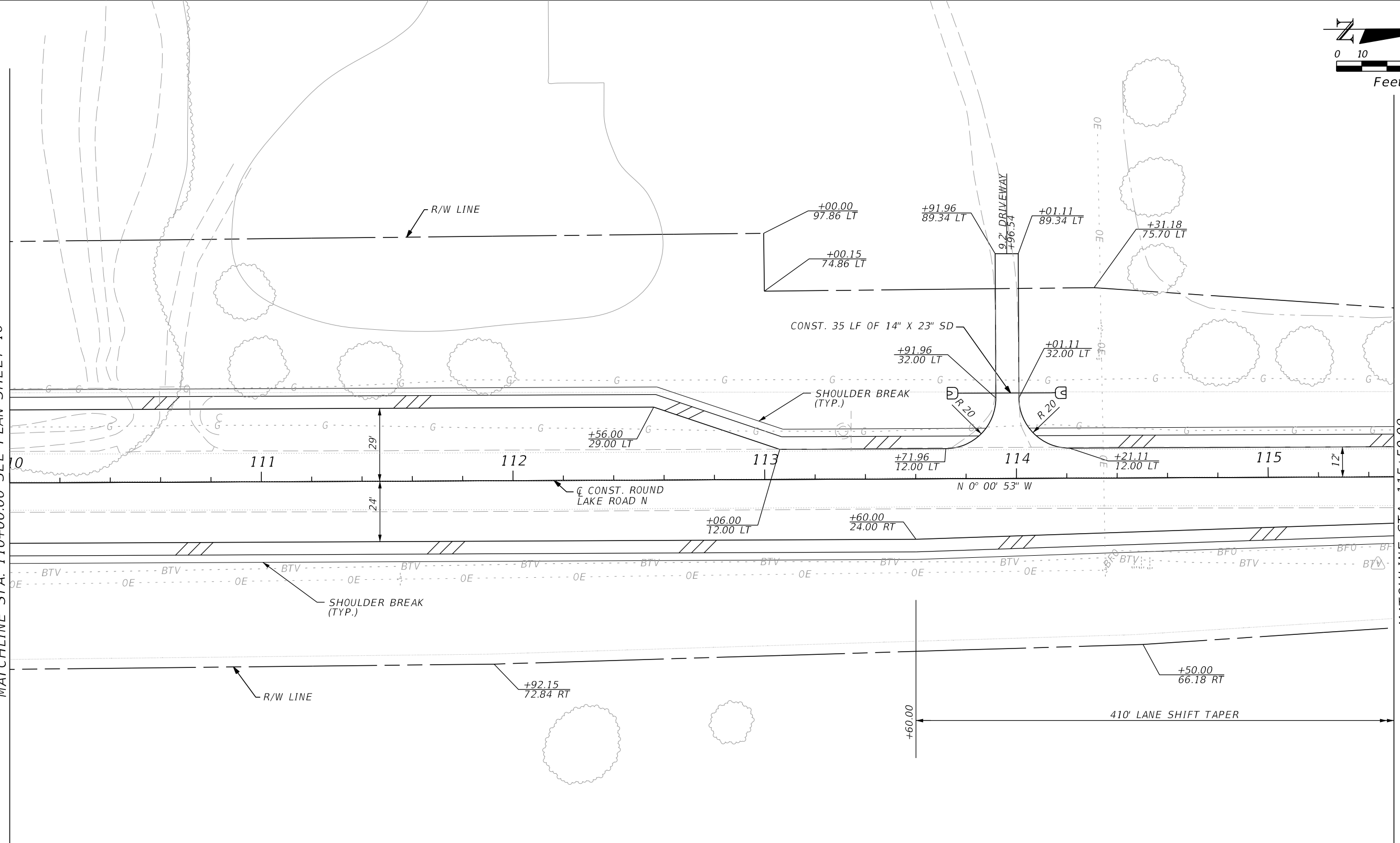
SHEET NO.
36

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MATCHLINE STA. 110+00.00 SEE PLAN SHEET 10

MATCHLINE STA. 115+50.00

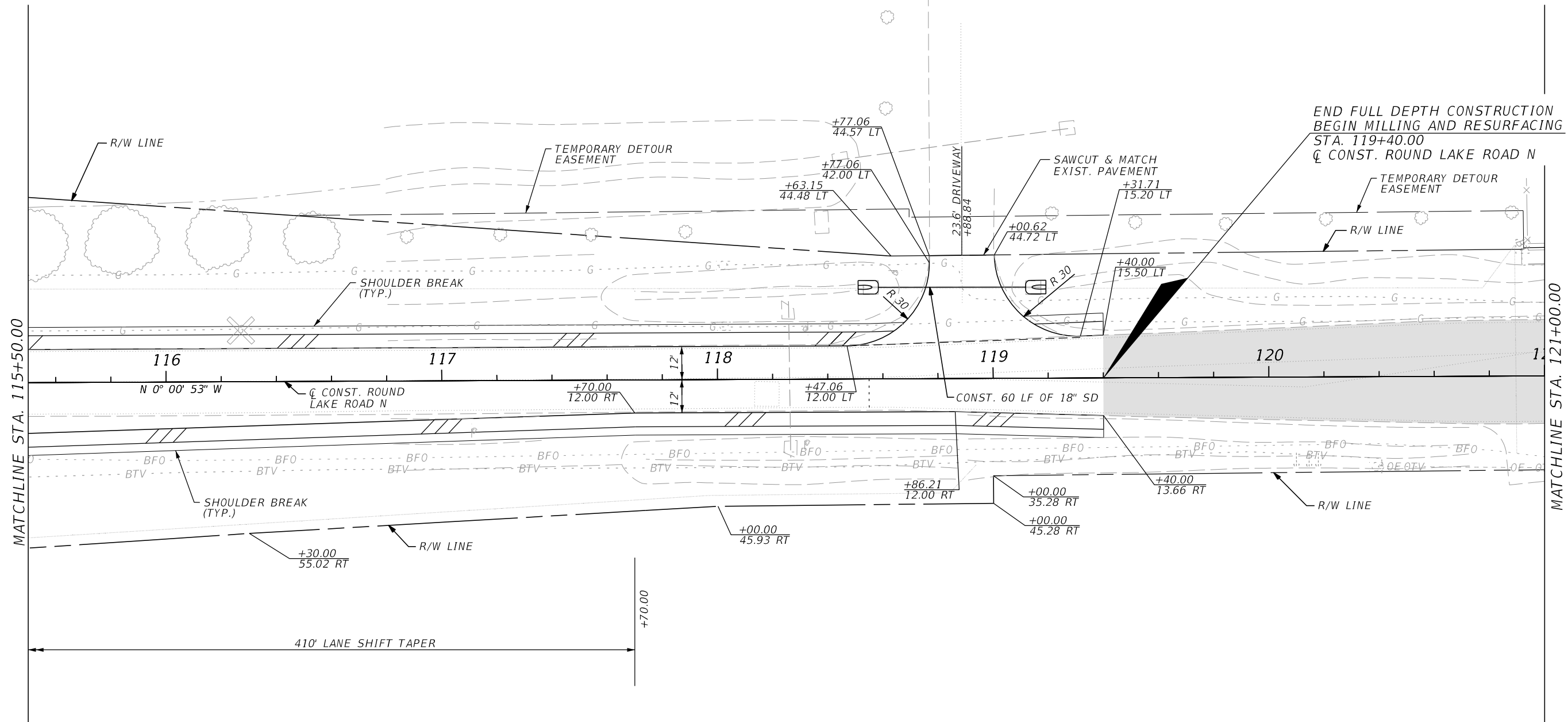
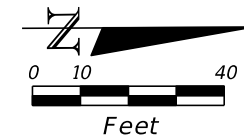


LEGEND
 5' PAVED SHOULDER

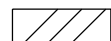

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET (14) ROUND LAKE ROAD NORTH	SHEET NO. 37
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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

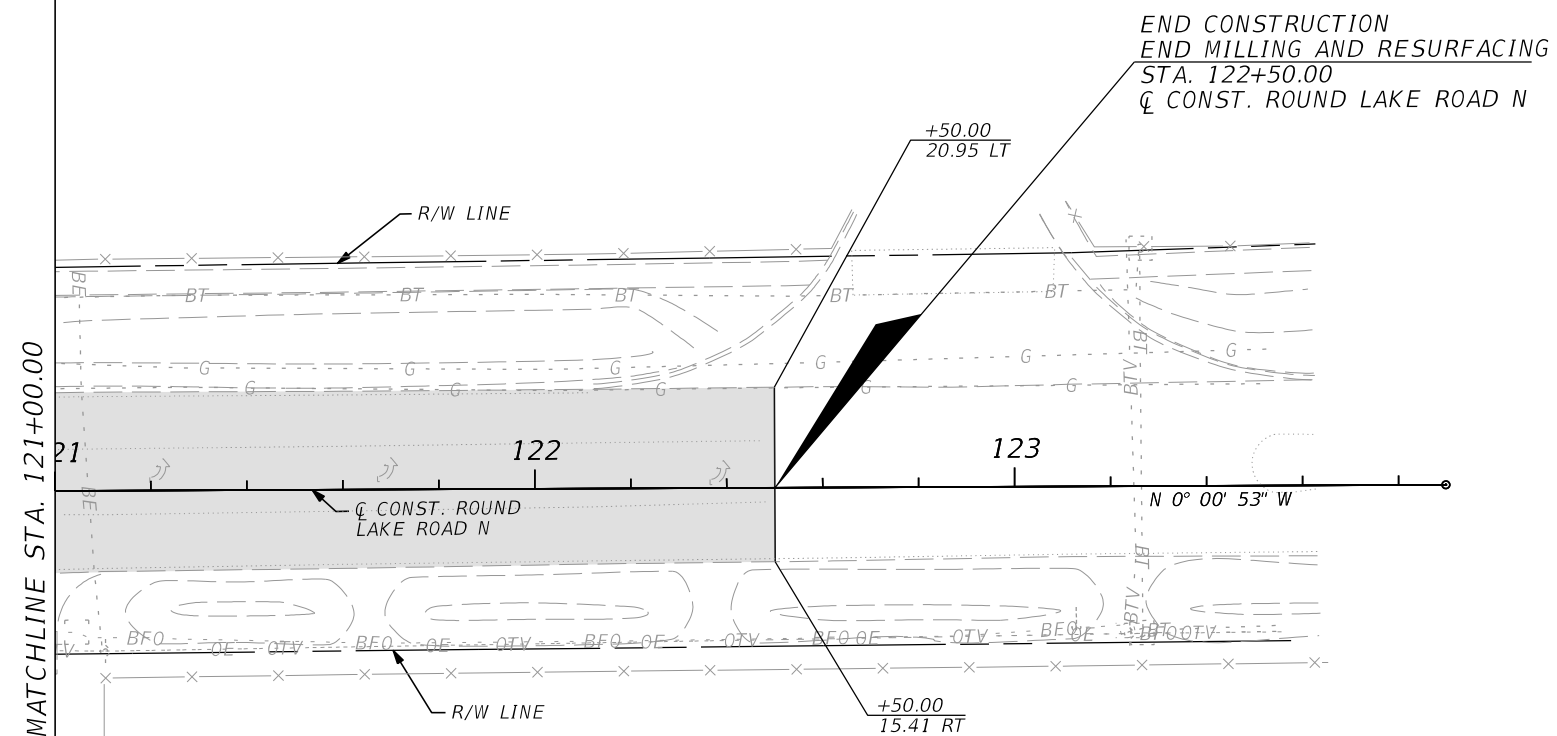
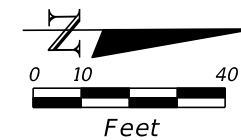
ROUND LAKE
ELEMENTARY SCHOOL



LEGEND

-  5' PAVED SHOULDER
-  LIMITS OF MILLING AND RESURFACING

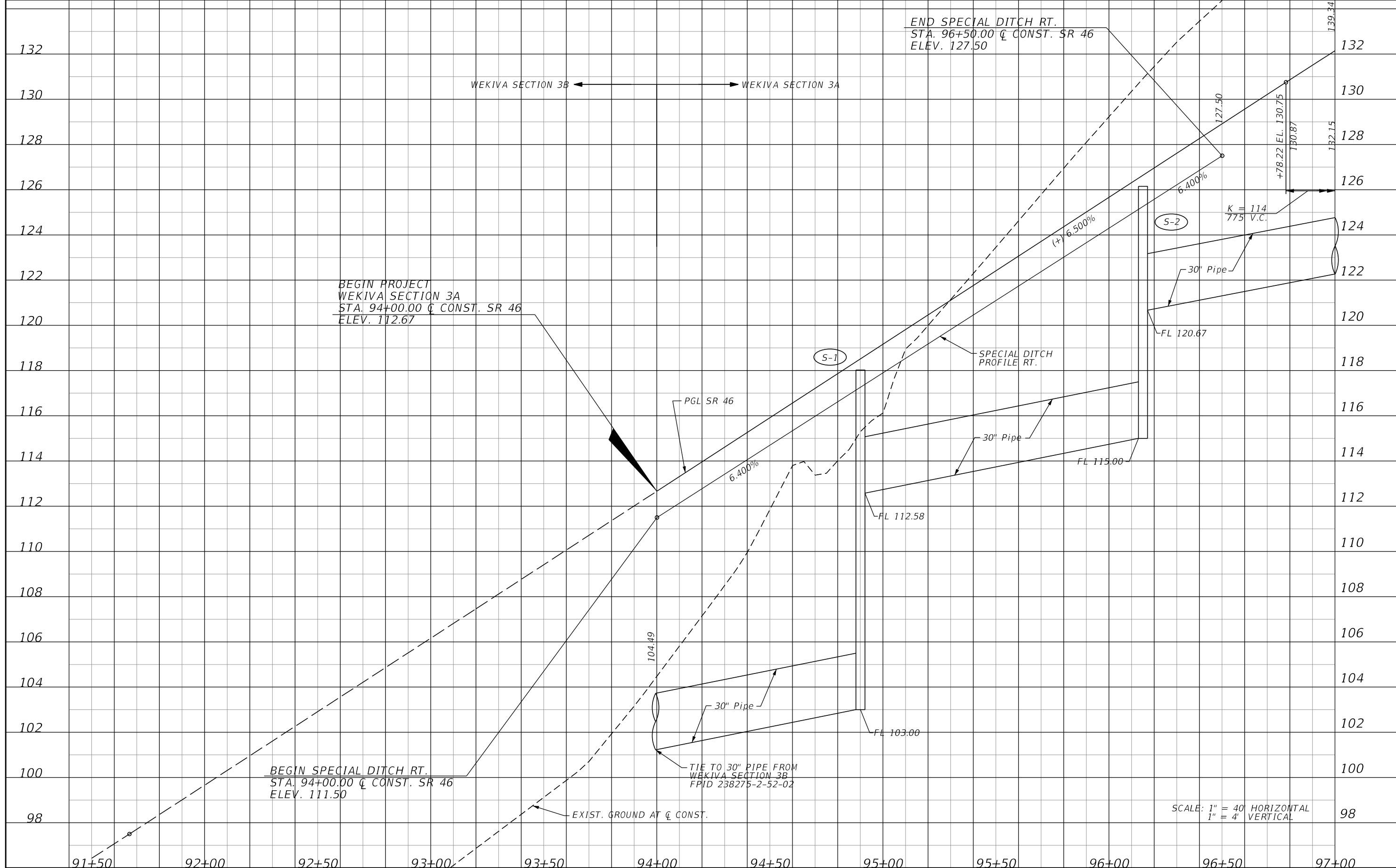
REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET (15) ROUND LAKE ROAD NORTH	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



LEGEND

LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET (16) ROUND LAKE ROAD NORTH	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		39
					46	LAKE	238275-3-52-01		



SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

REVISIONS	
DATE	DESCRIPTION

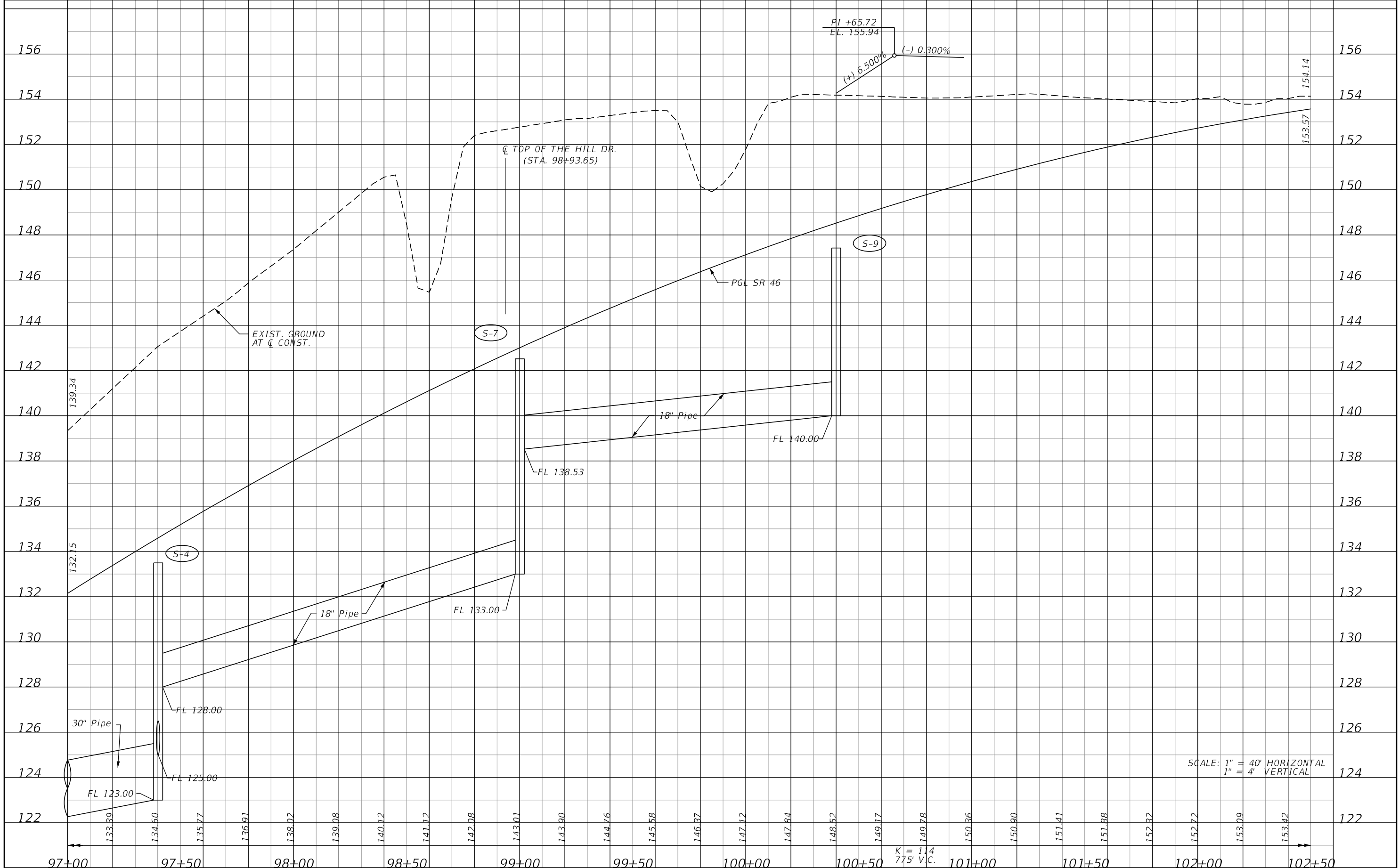
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (1)
SR 46

SHEET NO.
40

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SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

REVISIONS	
DATE	DESCRIPTION

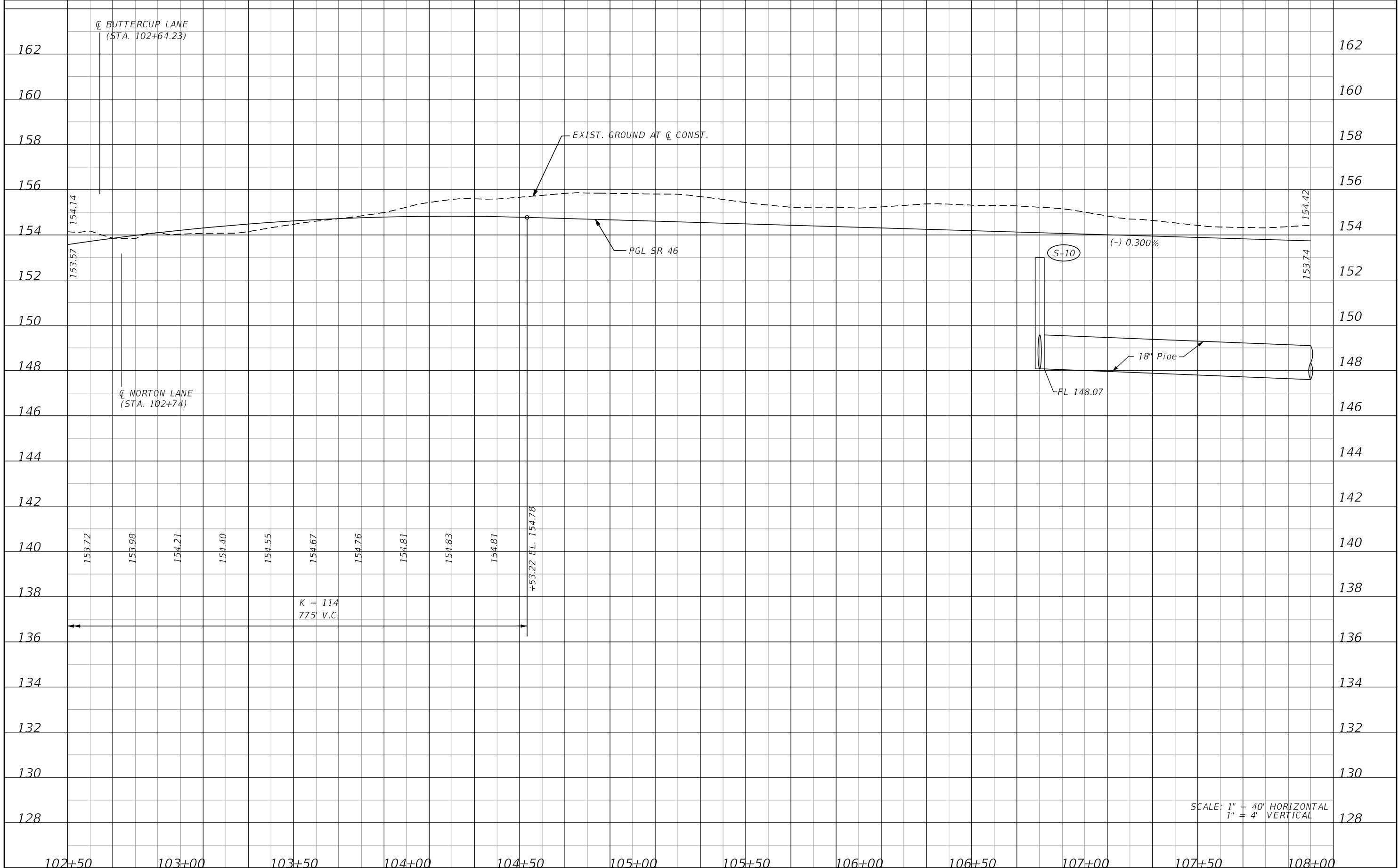
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (2)
SR 46

SHEET NO.
41

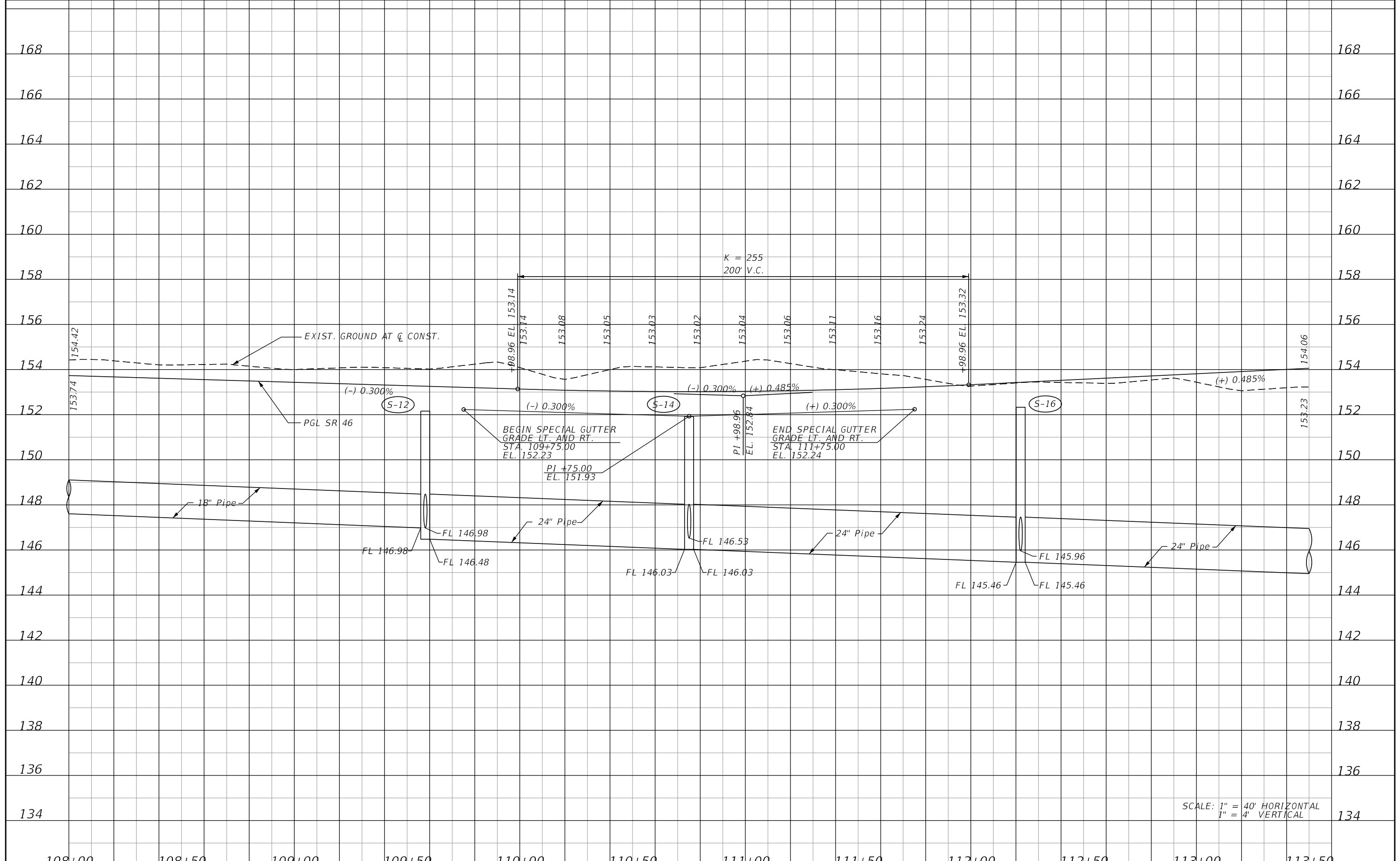
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SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET (3) SR 46	SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

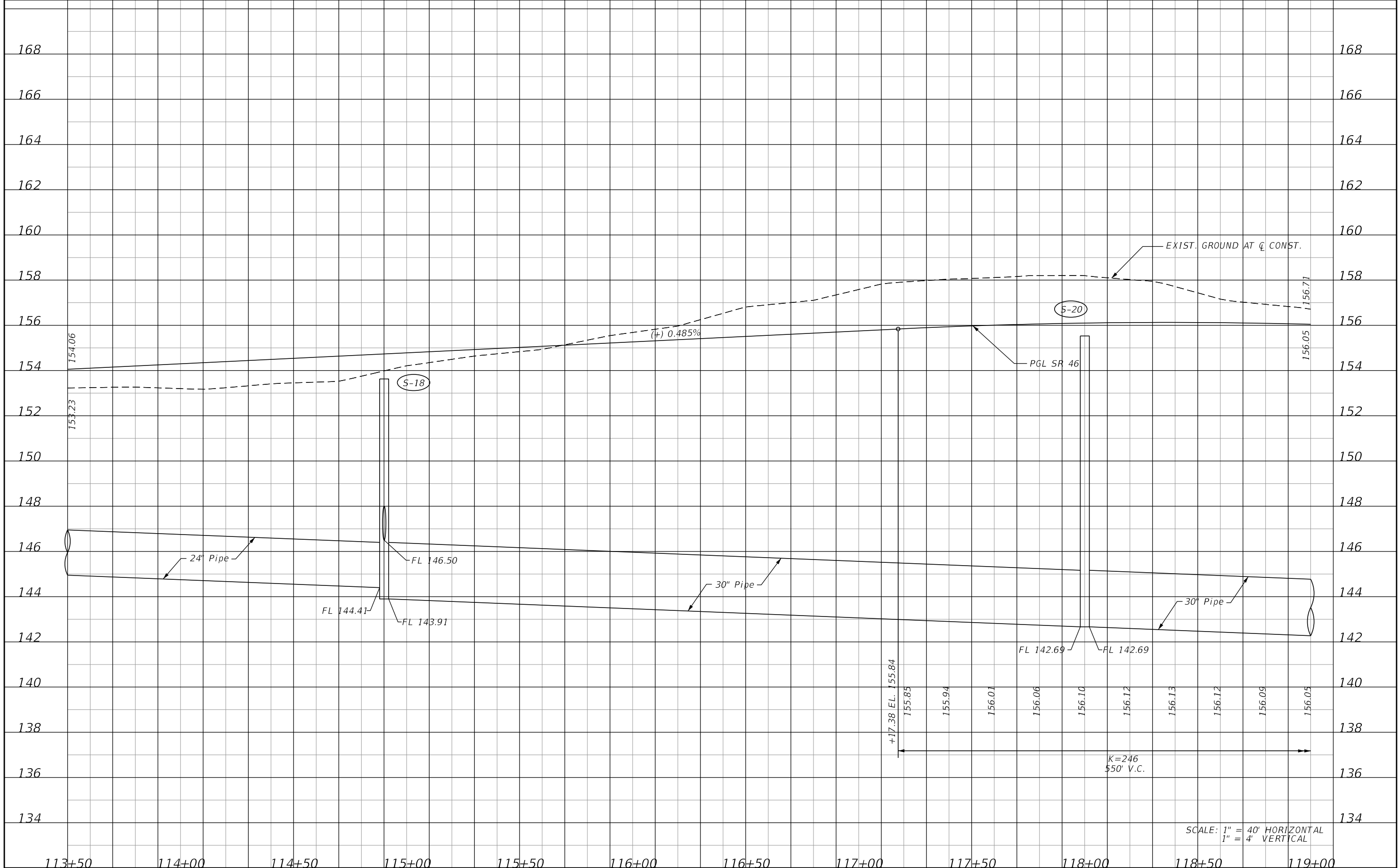
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SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

108+00		108+50		109+00		109+50		110+00		110+50		111+00		111+50		112+00		112+50		113+00		113+50																											
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REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBAY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET (4) SR 46	SHEET NO. 43																																								
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID																																										
				46	LAKE	238275-3-52-01																																											

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REVISIONS	
DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

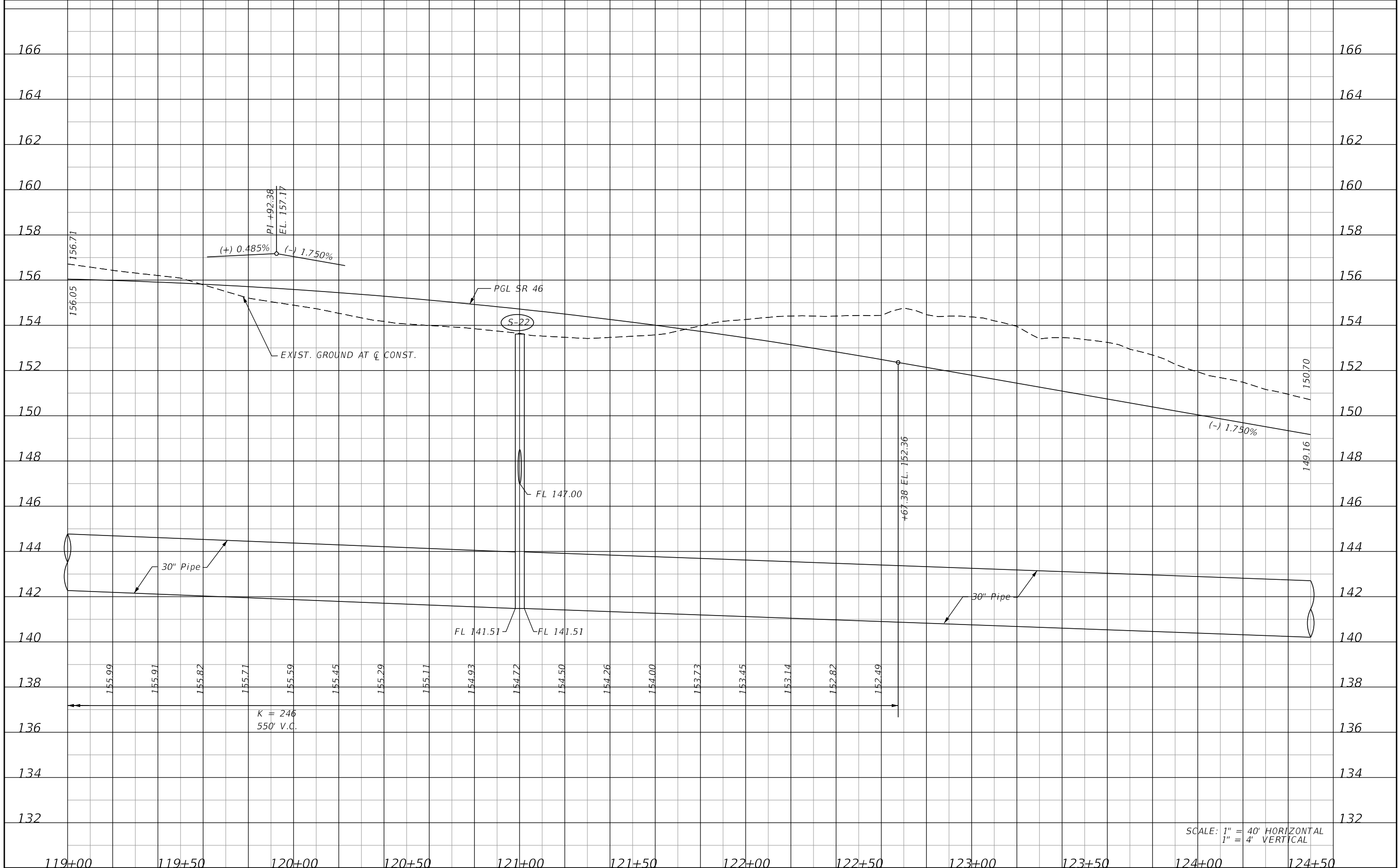
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (5)
SR 46

SHEET NO.
44

SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

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



SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

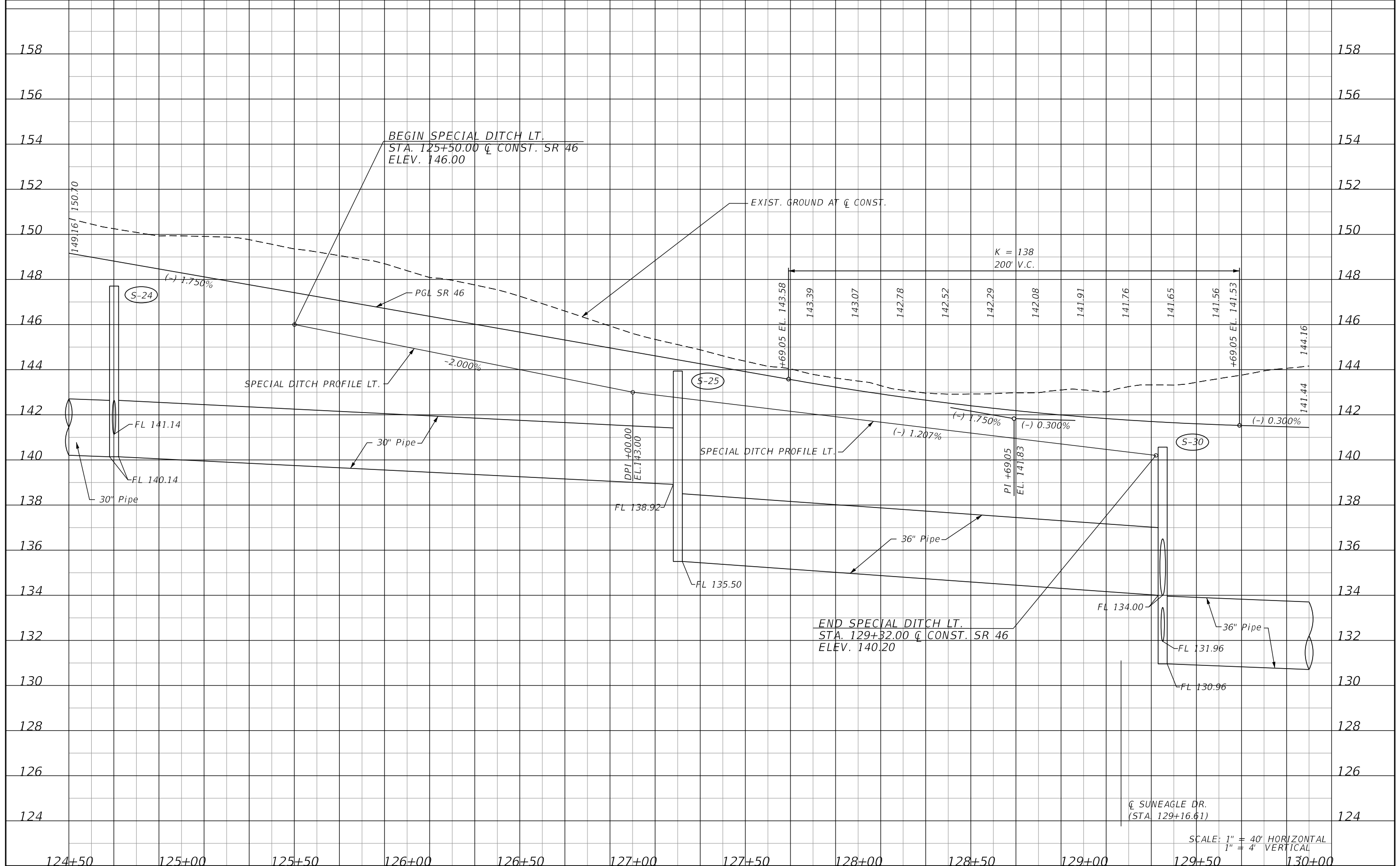
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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PROFILE SHEET (6)
SR 46

SHEET NO.
45

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
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 P.E. NUMBER 53977
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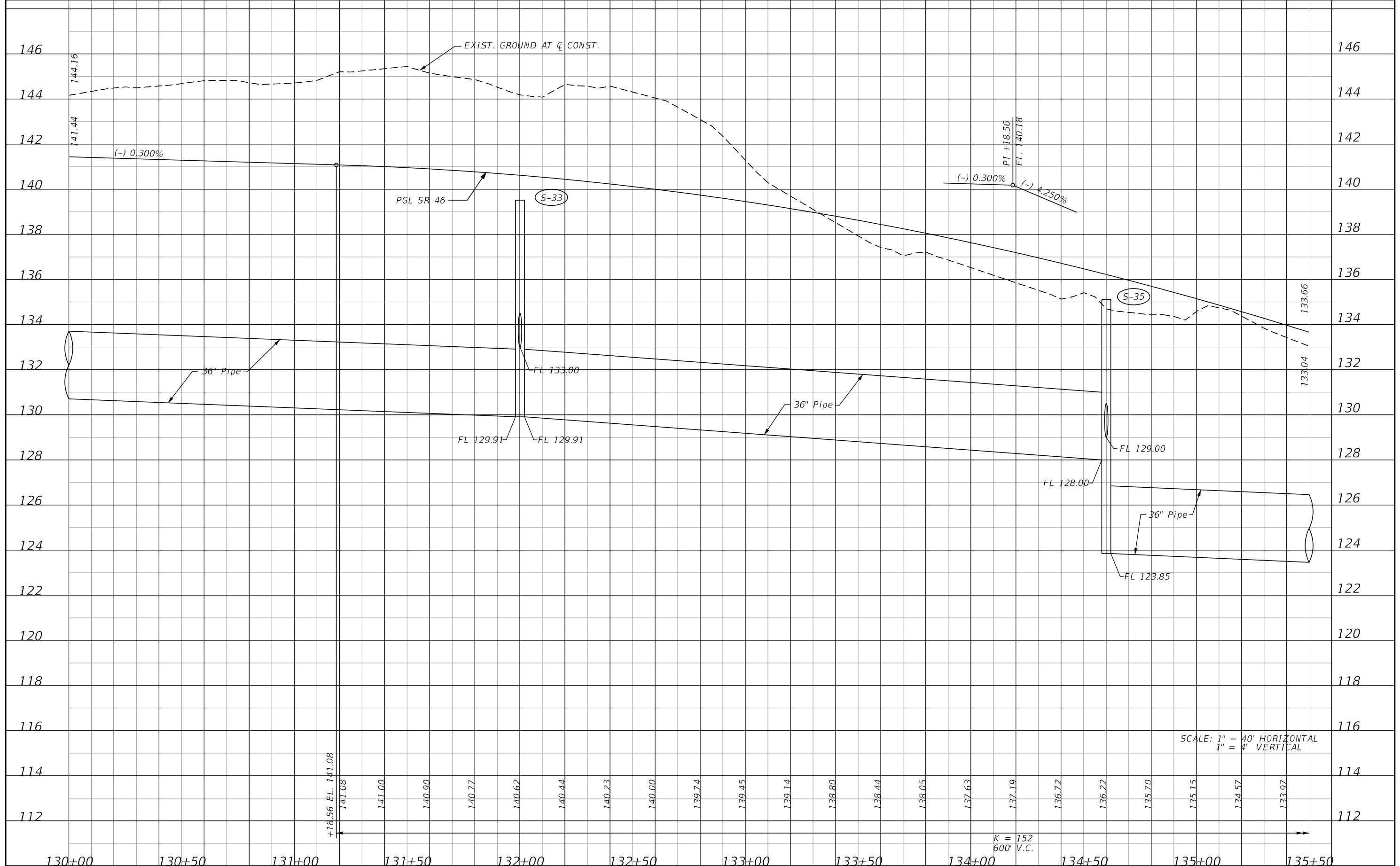
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (7)
SR 46

SHEET NO.
46

SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

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



SCALE: 1" = 40' HORIZONTAL
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

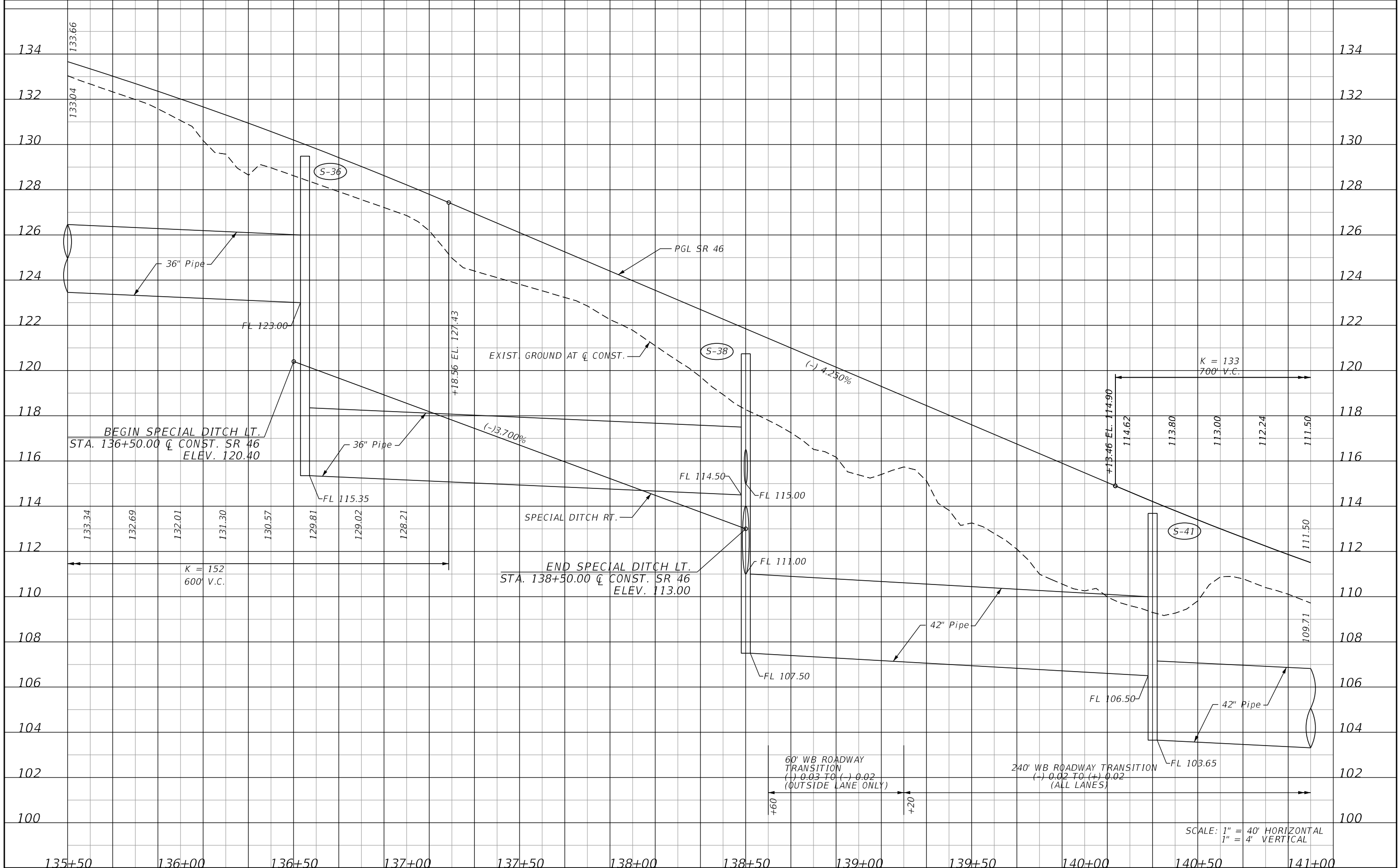
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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PROFILE SHEET (8)
SR 46

SHEET NO.
47

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

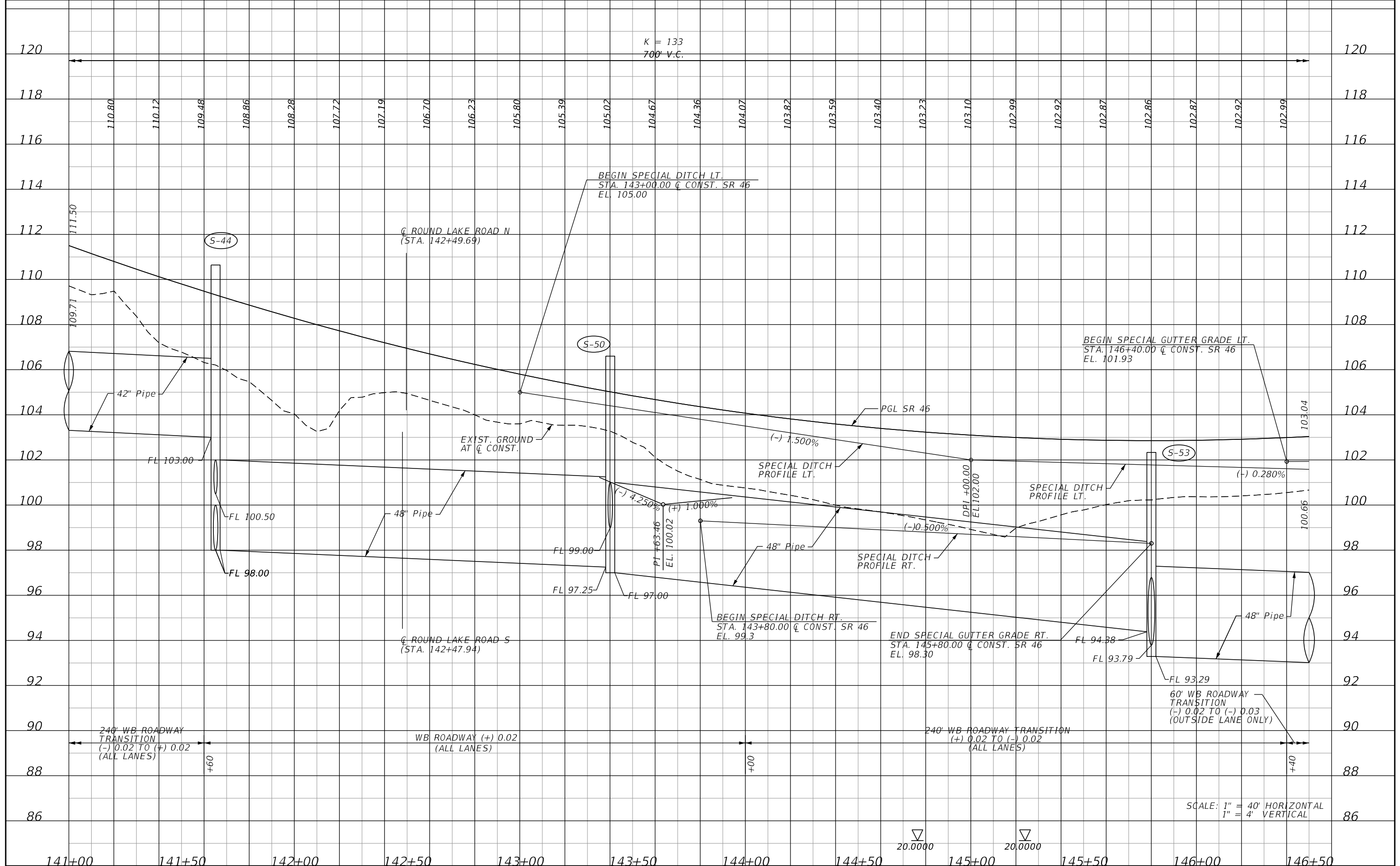
LOCHRANE ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (9)
SR 46

SHEET NO.
 48

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REVISIONS	
DATE	DESCRIPTION

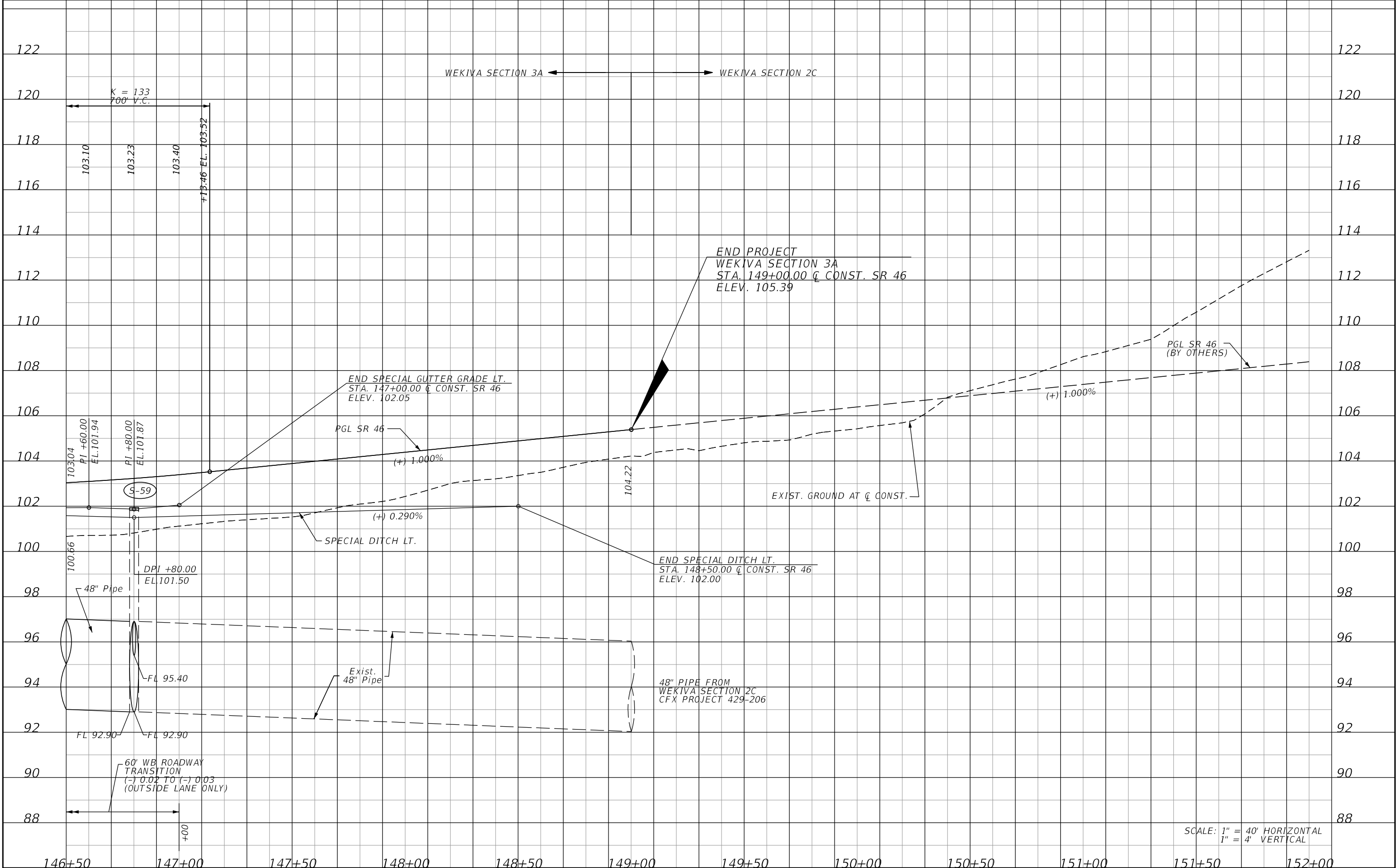
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (10)
SR 46

SHEET NO.
 49

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

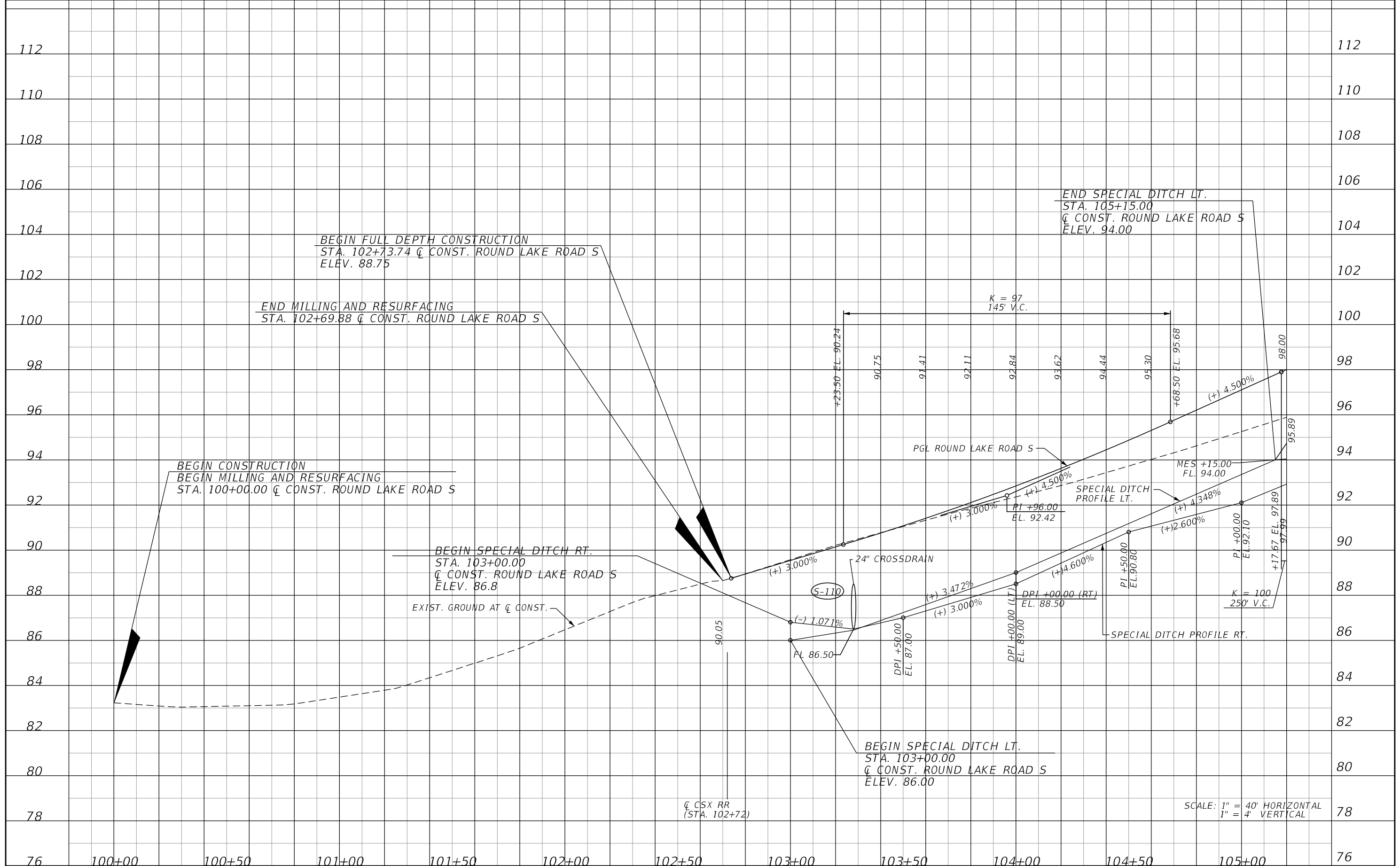
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
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BRET W. BENNETT, P.E.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (11)
SR 46

SHEET NO.
50

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

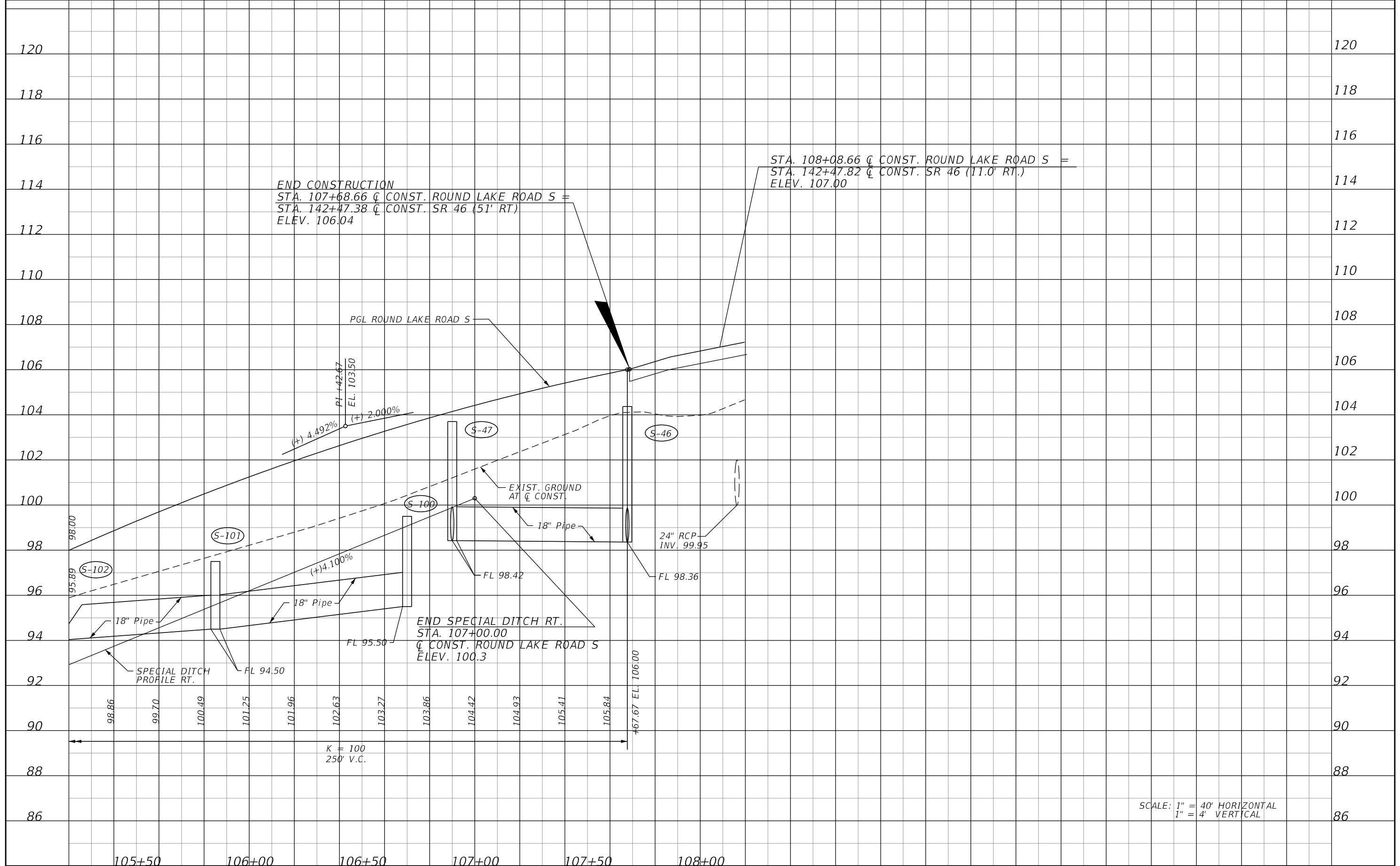
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (12)
ROUND LAKE ROAD SOUTH

SHEET NO.
 51

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SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

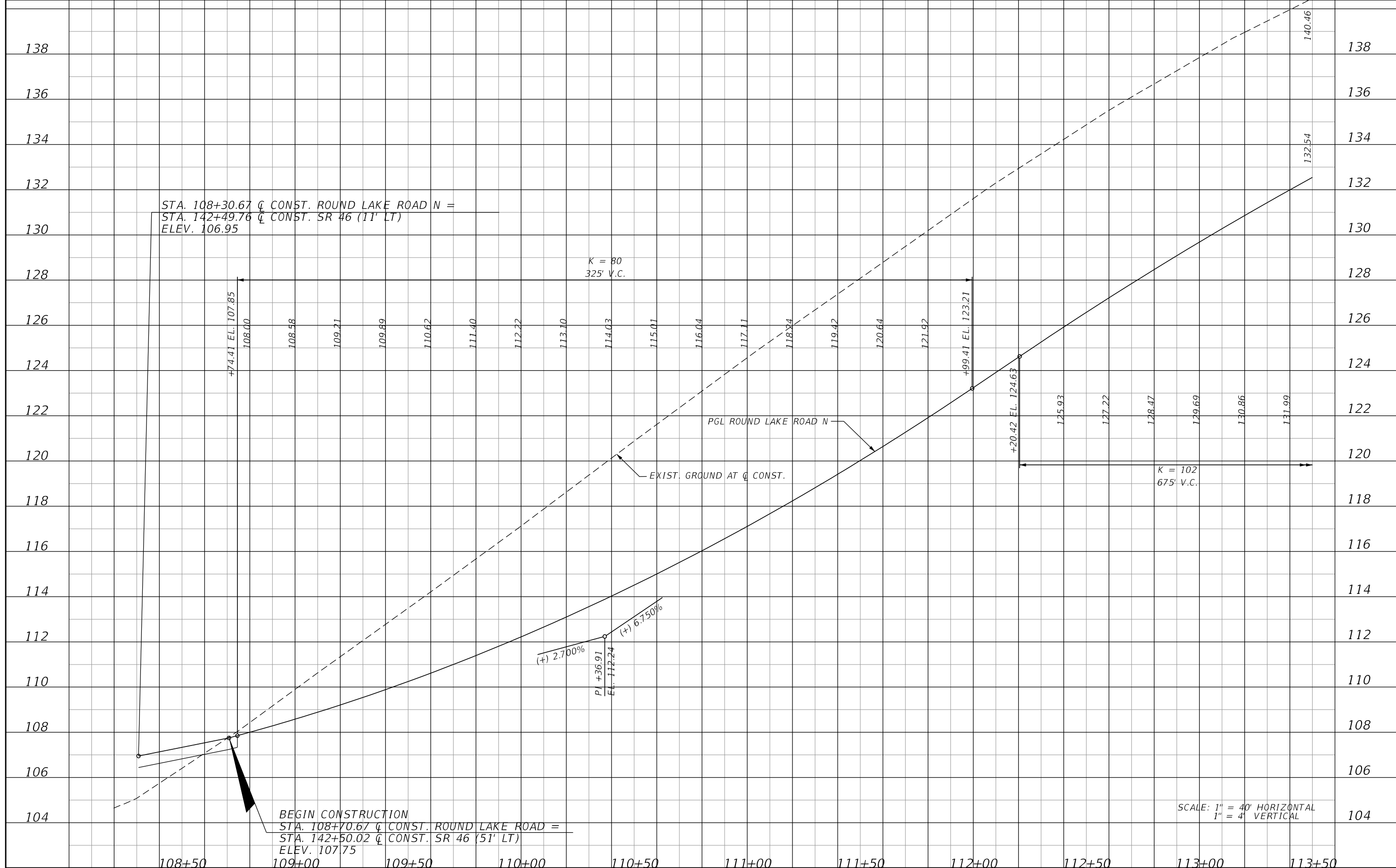
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (13)
ROUND LAKE ROAD SOUTH

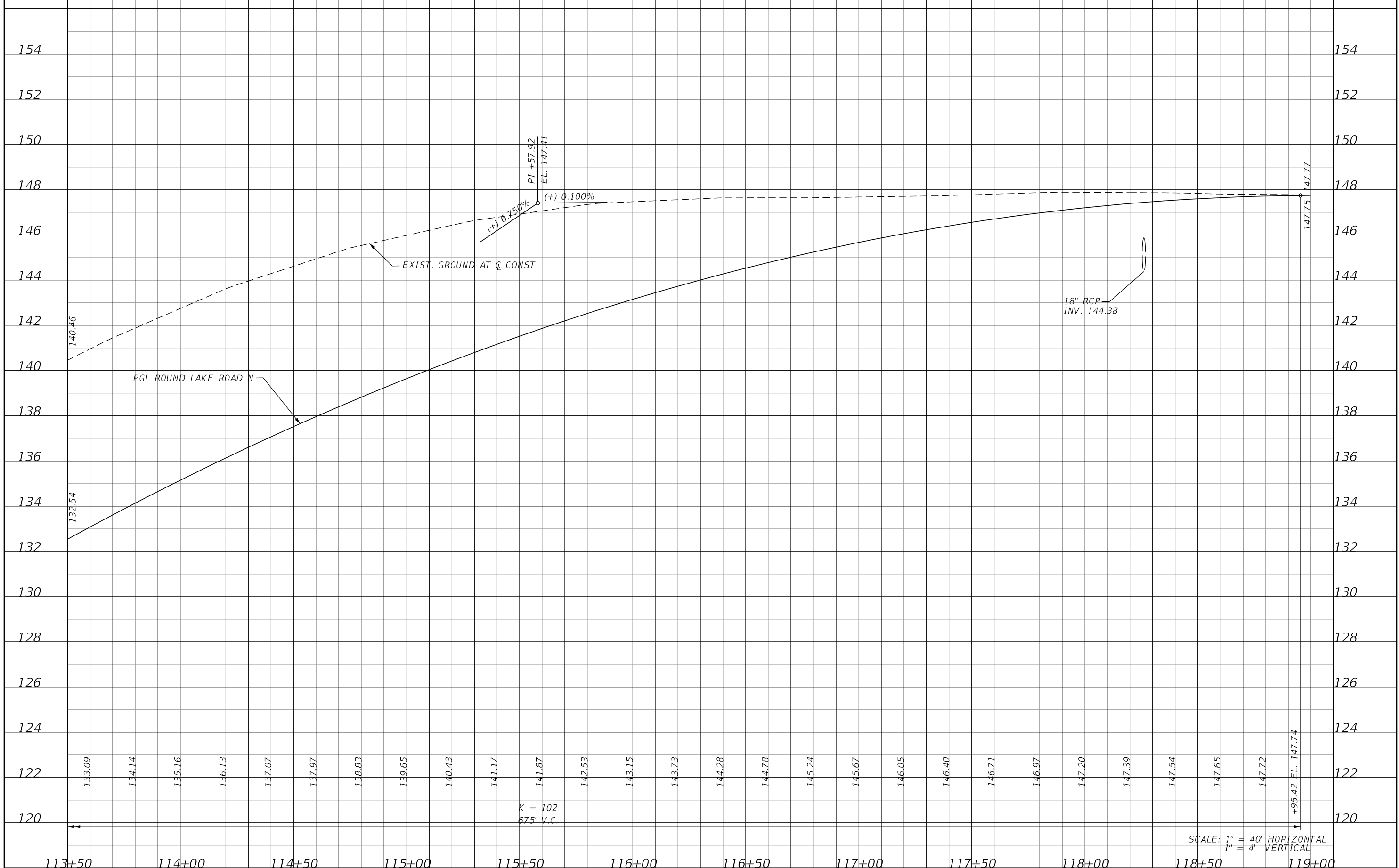
SHEET NO.
52

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



REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET (14) ROUND LAKE ROAD NORTH	SHEET NO. 53
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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REVISIONS			
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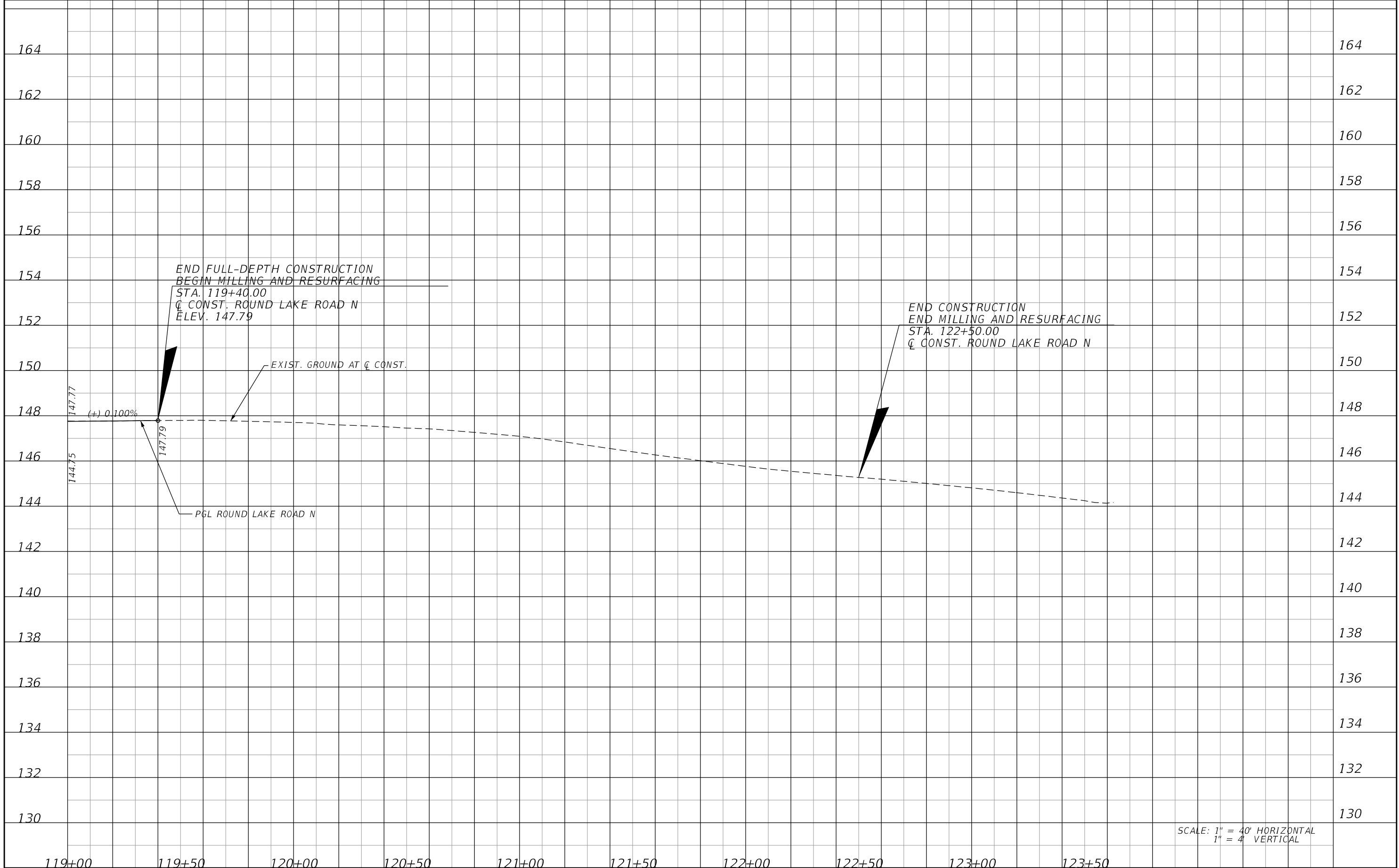
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (15)
ROUND LAKE ROAD NORTH

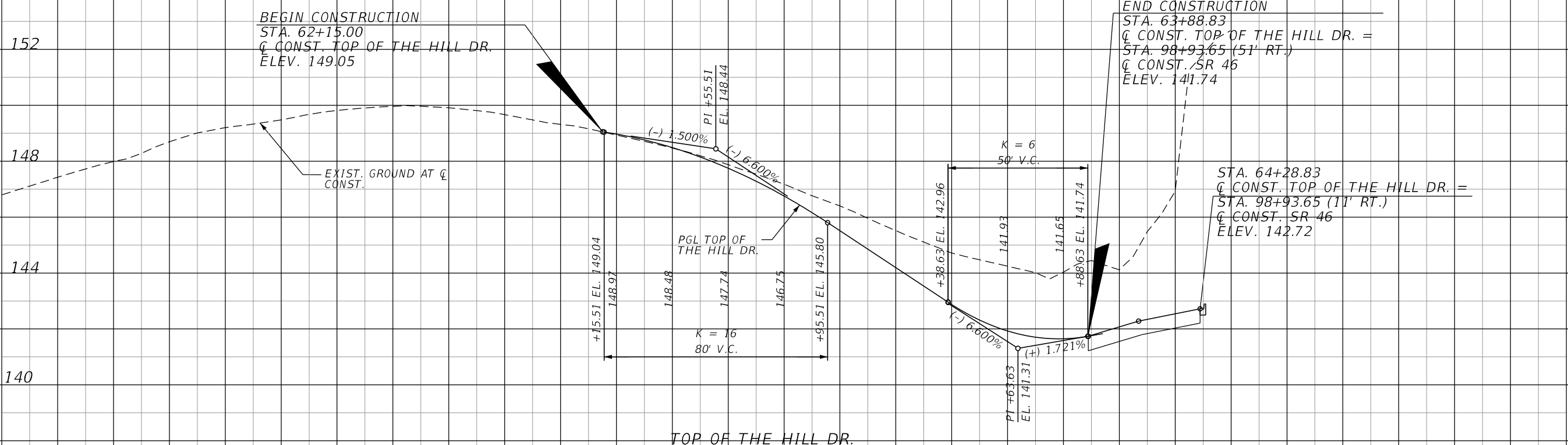
SHEET NO.
54

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



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REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET (16) ROUND LAKE ROAD NORTH	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		55
					46	LAKE	238275-3-52-01		

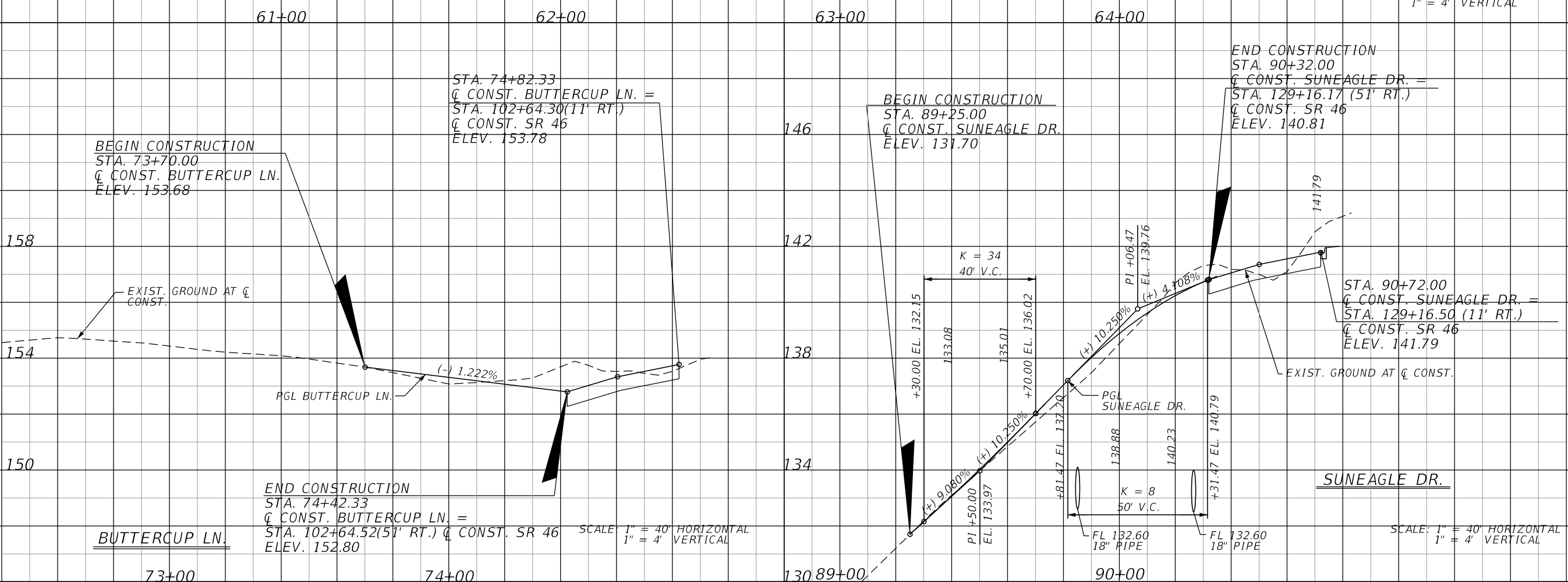


BEGIN CONSTRUCTION
 STA. 62+15.00
 C CONST. TOP OF THE HILL DR.
 ELEV. 149.05

END CONSTRUCTION
 STA. 63+88.83
 C CONST. TOP OF THE HILL DR. =
 STA. 98+93.65 (51' RT.)
 C CONST. SR 46
 ELEV. 141.74

STA. 64+28.83
 C CONST. TOP OF THE HILL DR. =
 STA. 98+93.65 (11' RT.)
 C CONST. SR 46
 ELEV. 142.72

SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL



BEGIN CONSTRUCTION
 STA. 73+70.00
 C CONST. BUTTERCUP LN.
 ELEV. 153.68

STA. 74+82.33
 C CONST. BUTTERCUP LN. =
 STA. 102+64.30 (11' RT.)
 C CONST. SR 46
 ELEV. 153.78

BEGIN CONSTRUCTION
 STA. 89+25.00
 C CONST. SUNEAGLE DR.
 ELEV. 131.70

END CONSTRUCTION
 STA. 90+32.00
 C CONST. SUNEAGLE DR. =
 STA. 129+16.17 (51' RT.)
 C CONST. SR 46
 ELEV. 140.81

STA. 90+72.00
 C CONST. SUNEAGLE DR. =
 STA. 129+16.50 (11' RT.)
 C CONST. SR 46
 ELEV. 141.79

SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

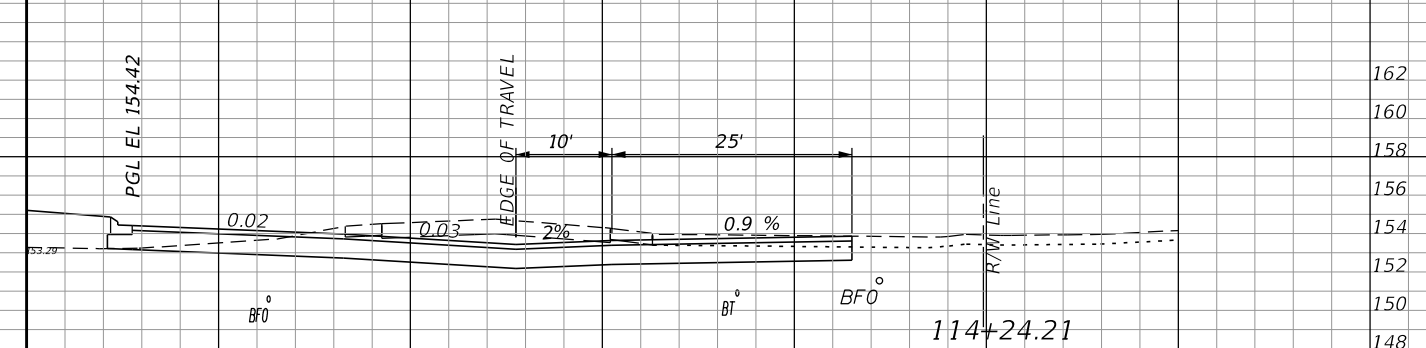
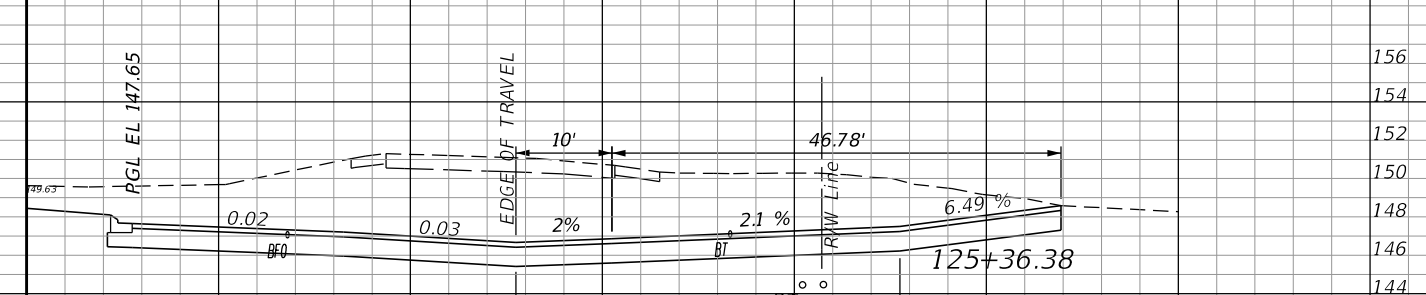
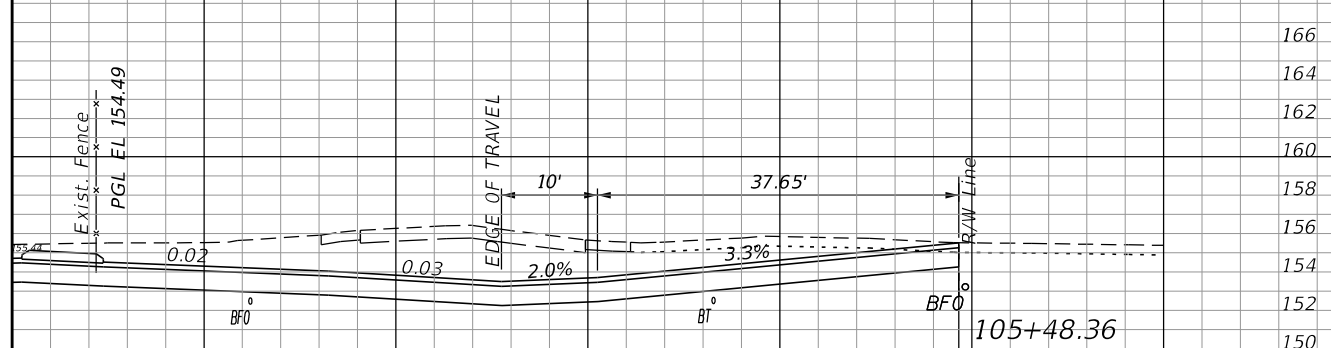
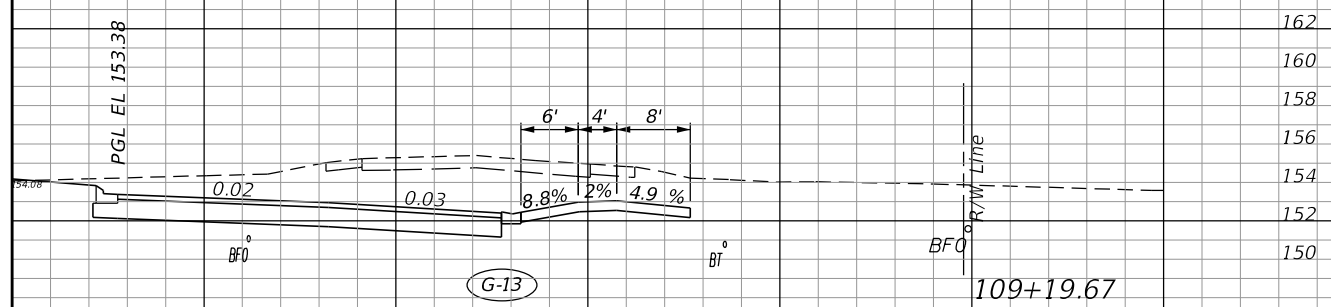
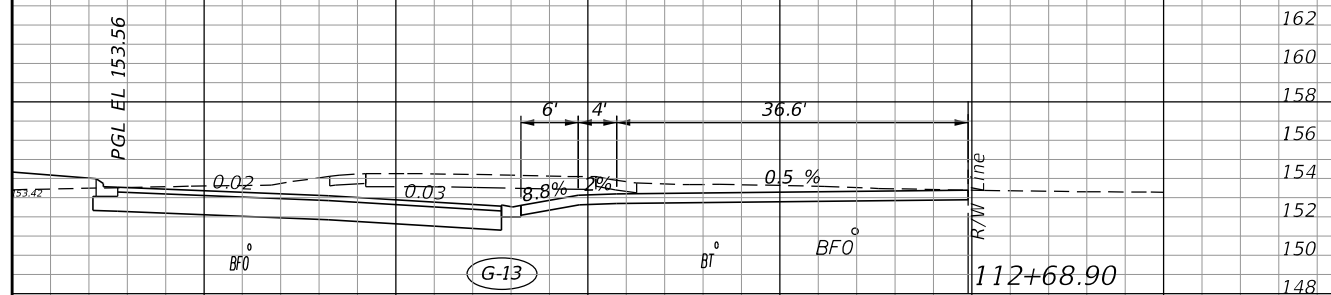
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET (17)
SIDESTREETS

SHEET NO.
56

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

NOTE: (G-13) REFERS TO STANDARD DRIVEWAY SECTIONS ON CURBED FACILITIES WITH SIDEWALKS AS SHOWN IN INDEX 515. SEE INDEX FOR DETAILS.



Q CONST. SR 46

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

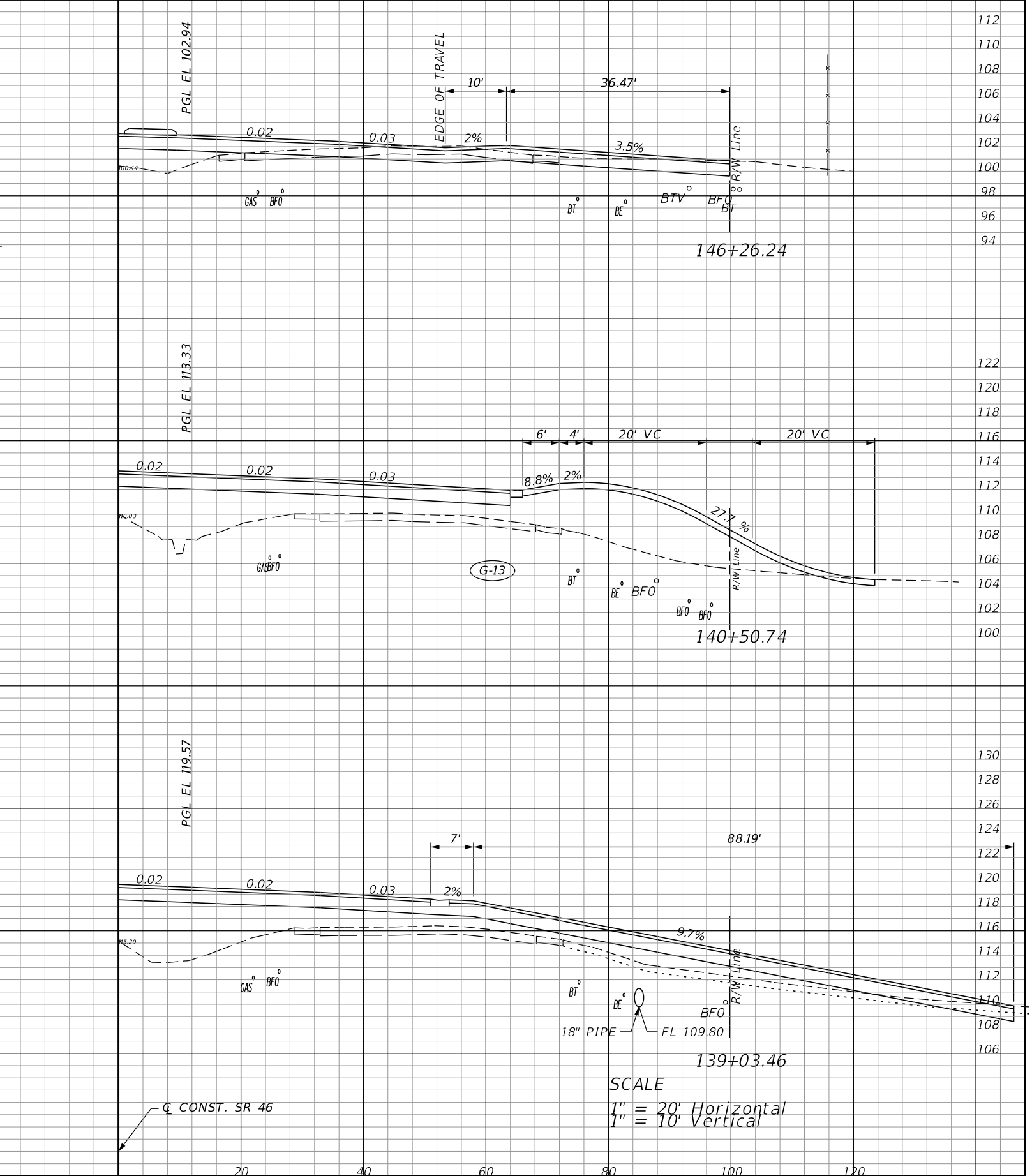
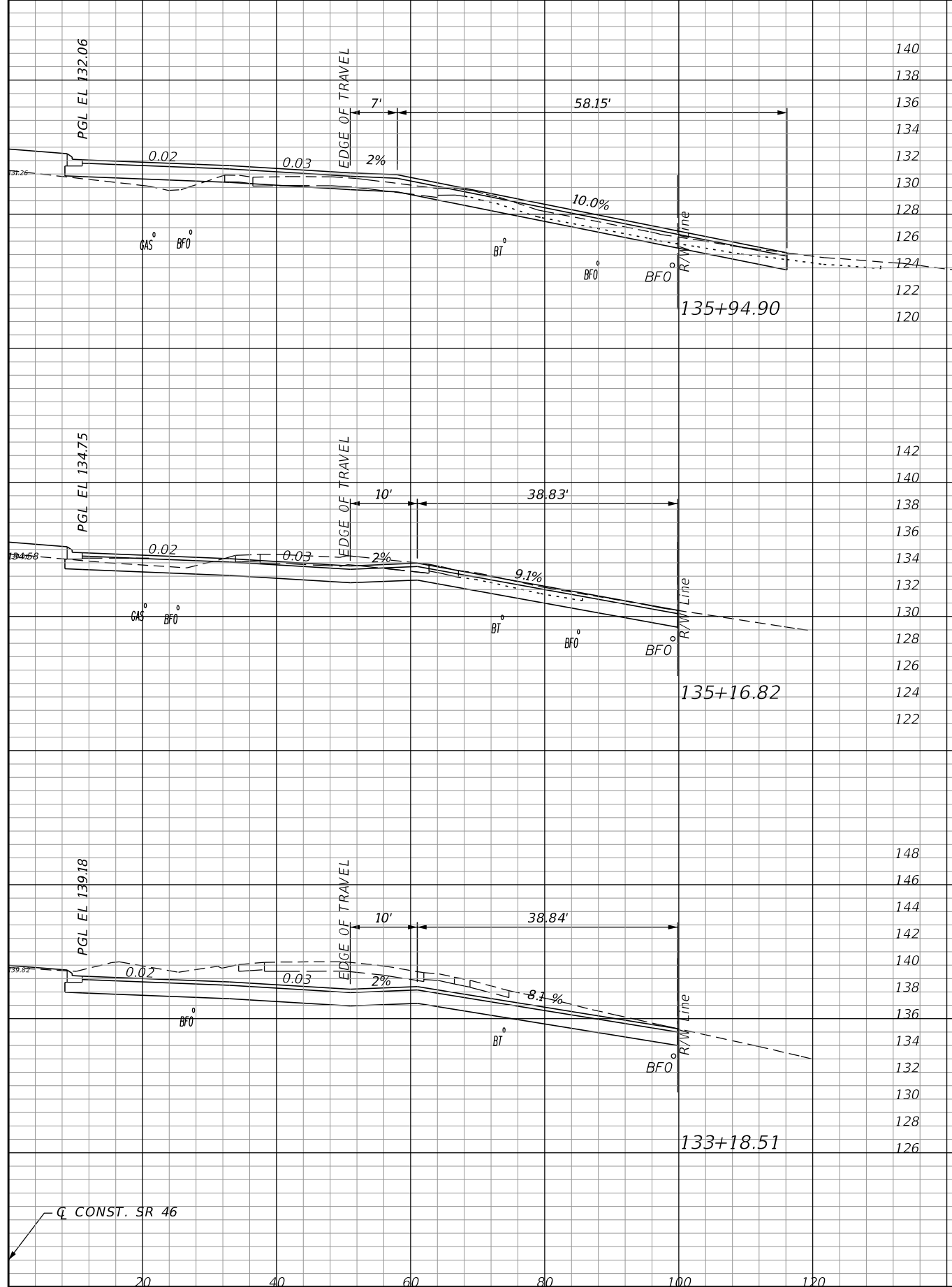
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES (1)
SR 46 RT. SIDE

SHEET NO.
57

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

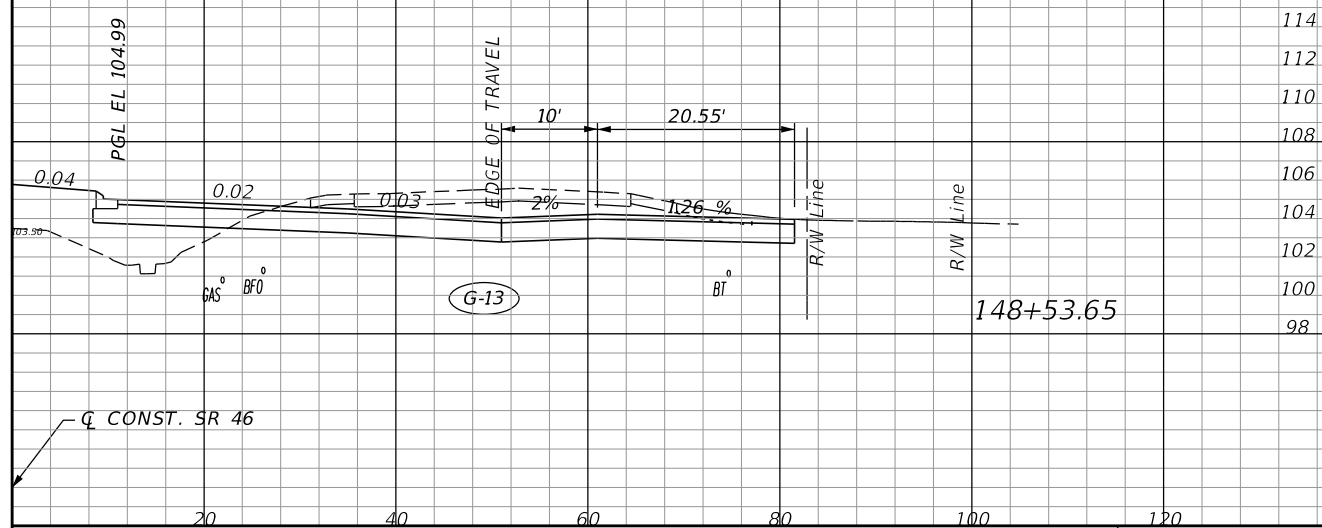
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES (2)
SR 46 RT. SIDE

SHEET NO.
 58

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



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

REVISIONS	
DATE	DESCRIPTION

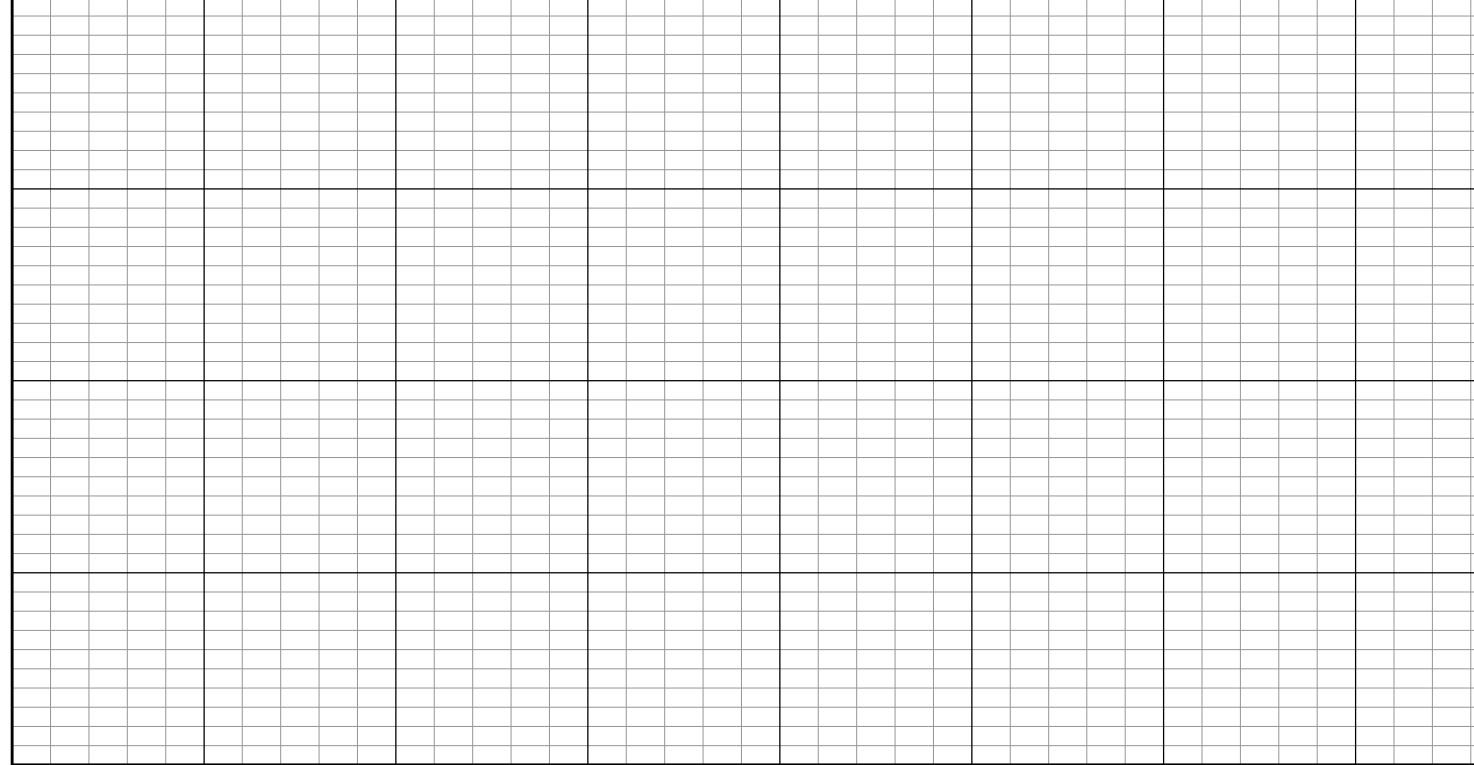
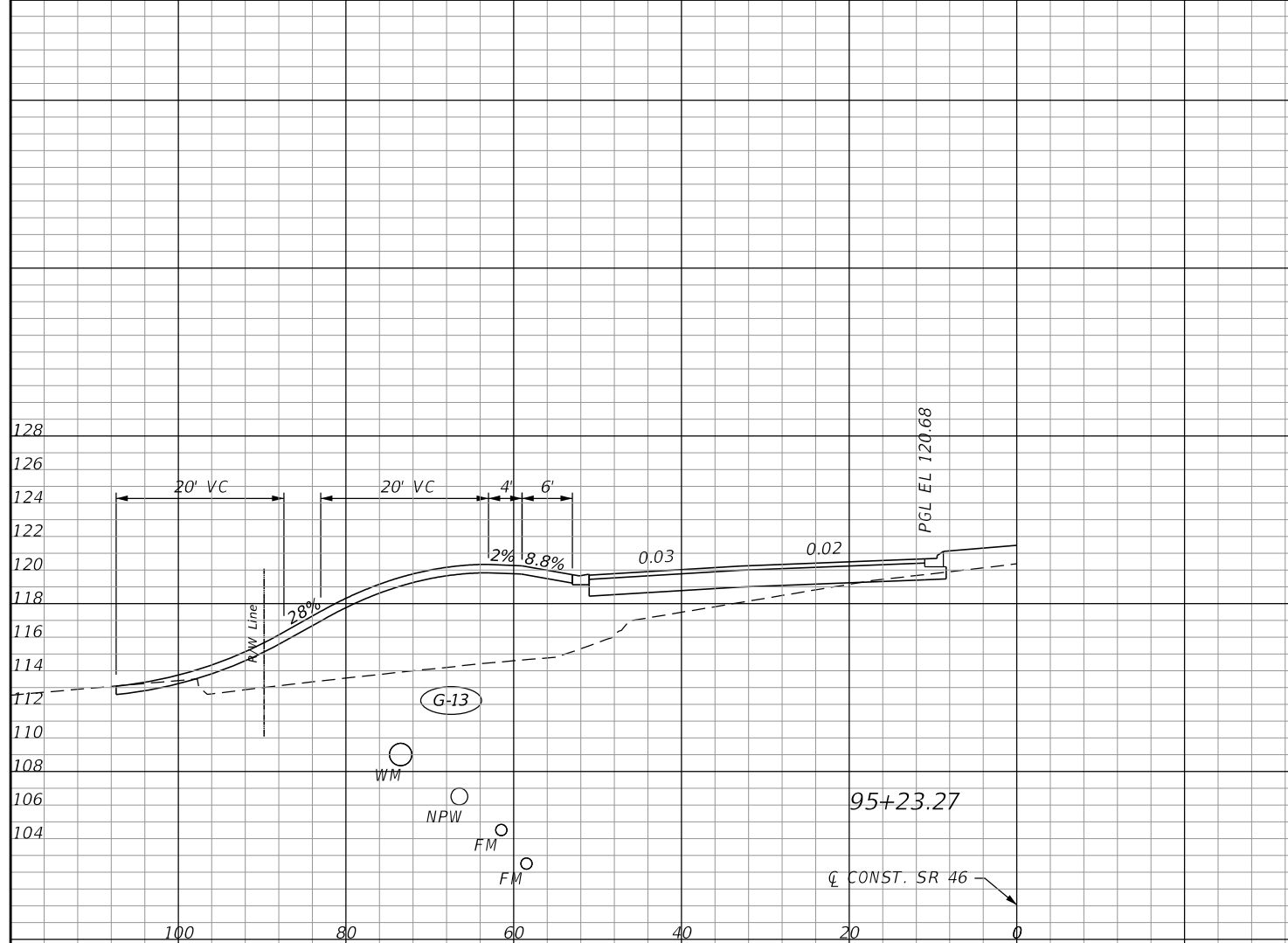
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES (3)
SR 46 RT. SIDE

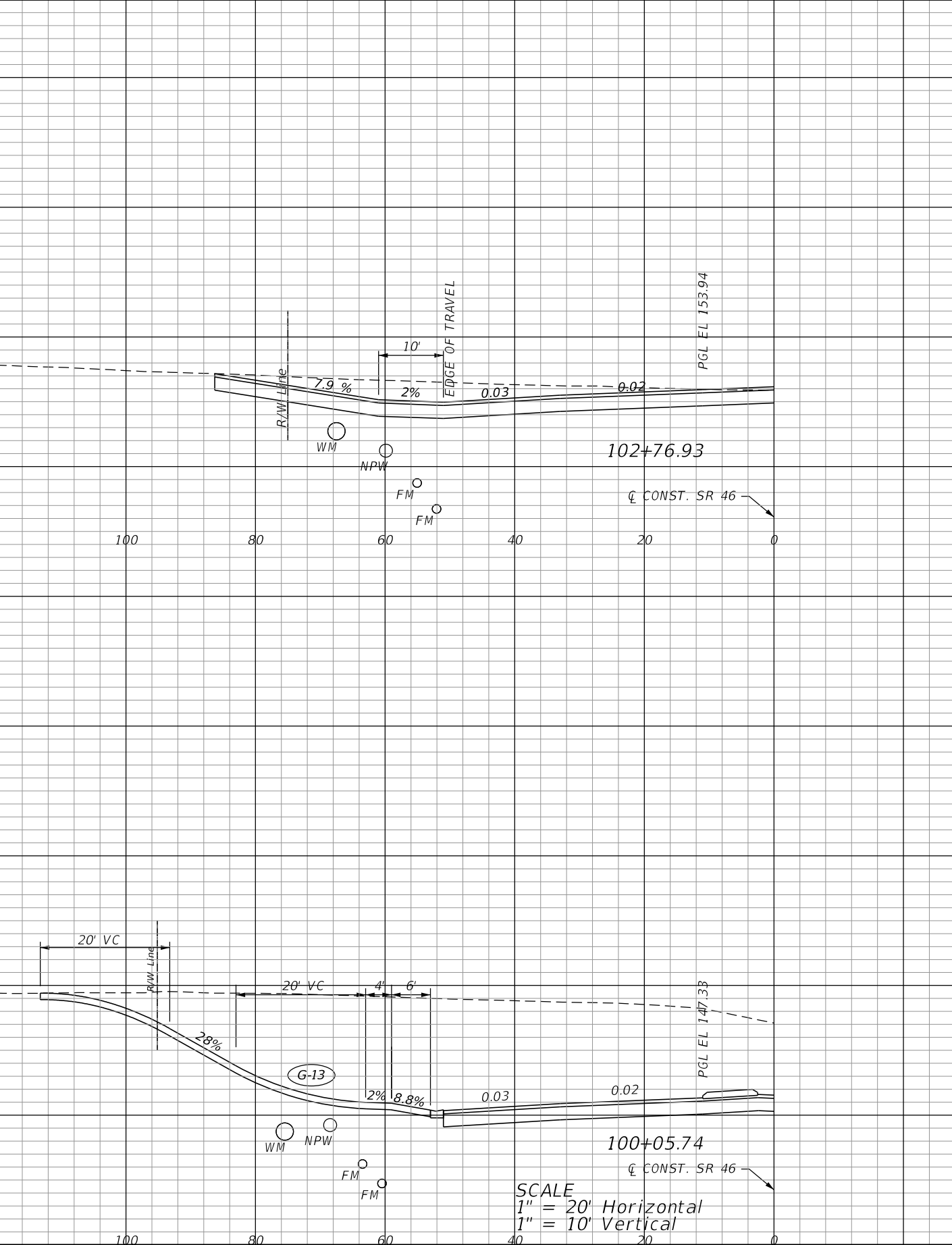
SHEET NO.
59

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REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

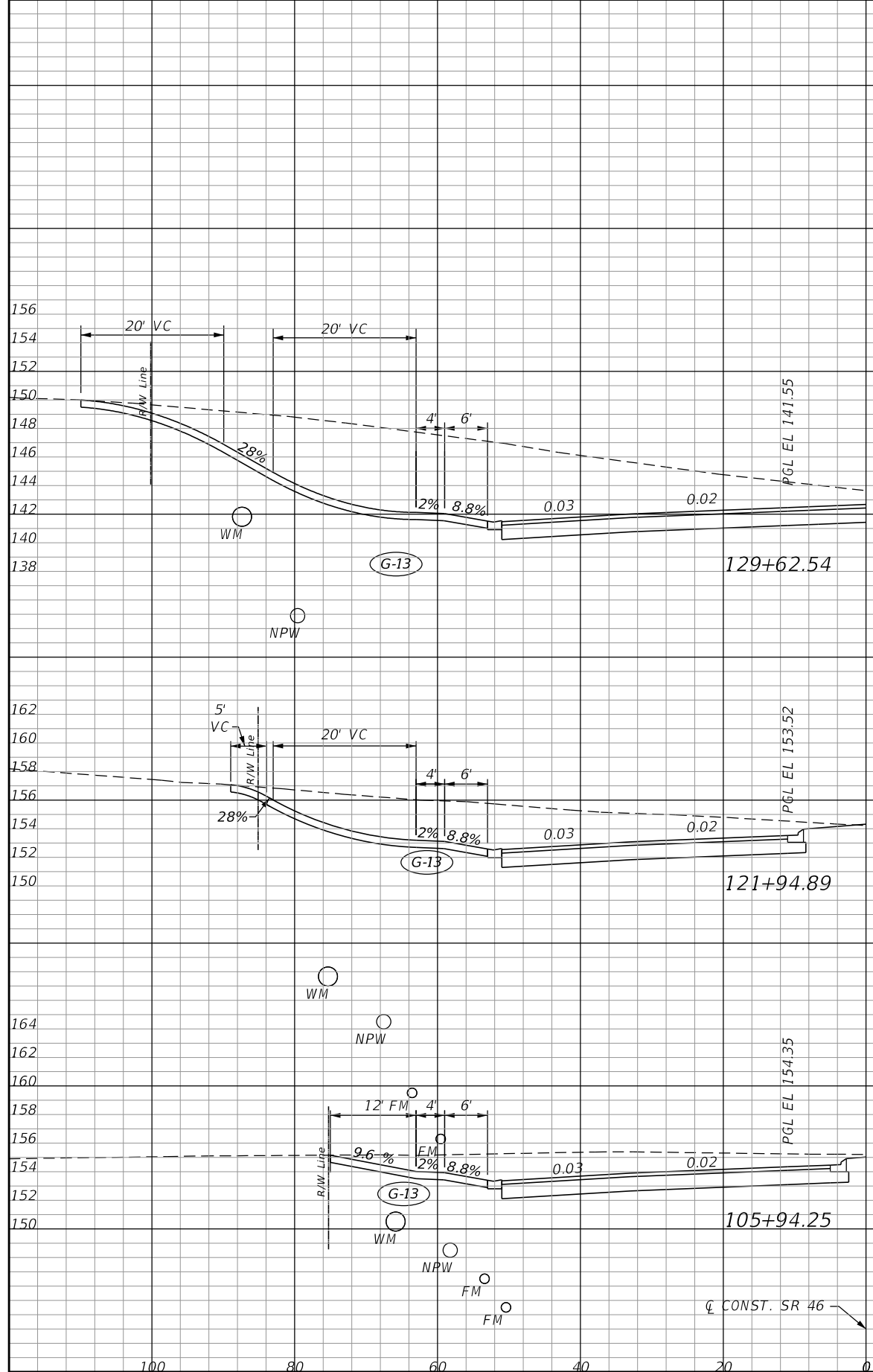
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRIVEWAY PROFILES (4) SR 46 LT. SIDE	SHEET NO. 60
ROAD NO. 46	COUNTY LAKE	FINANCIAL PROJECT ID 238275-3-52-01		

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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

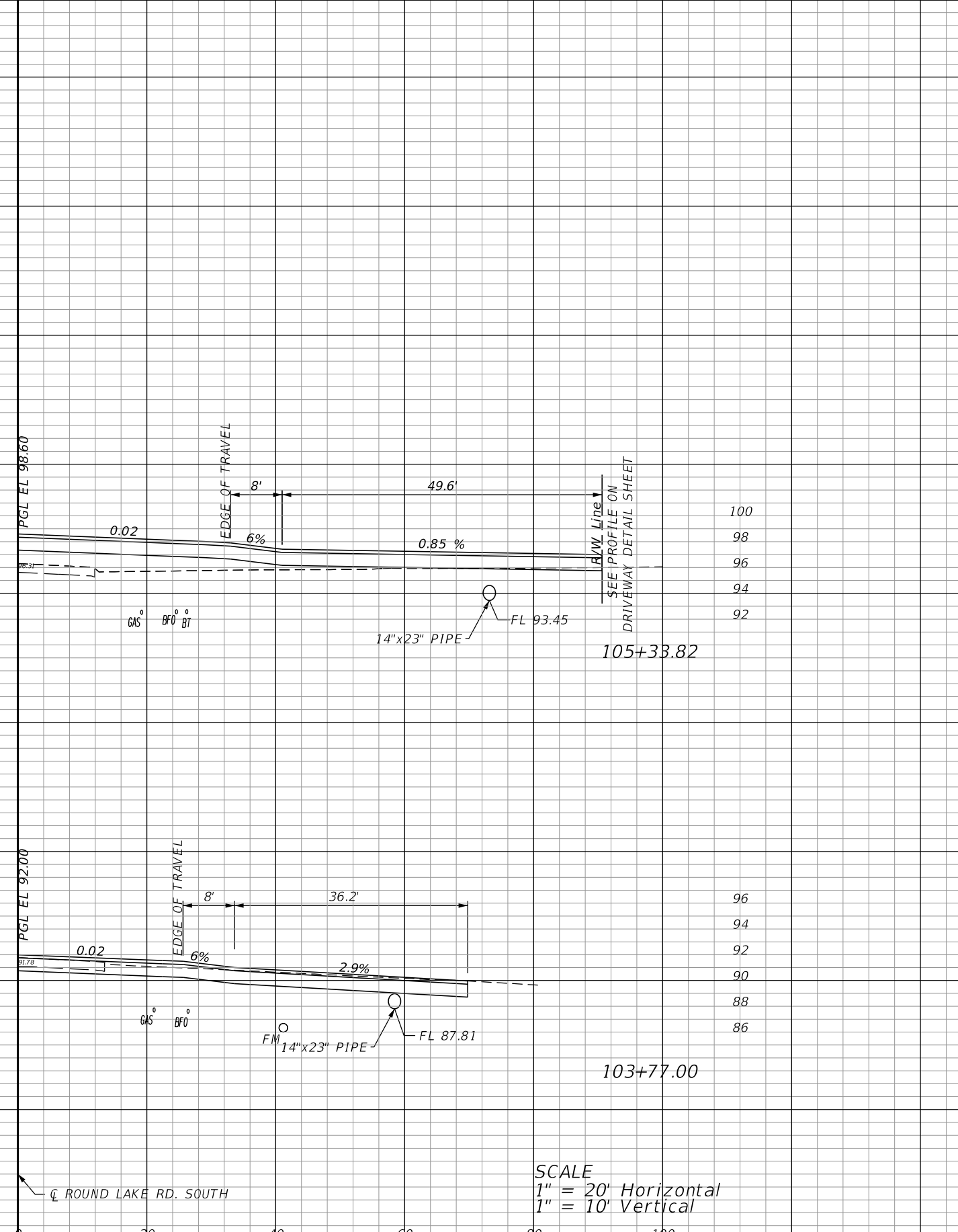
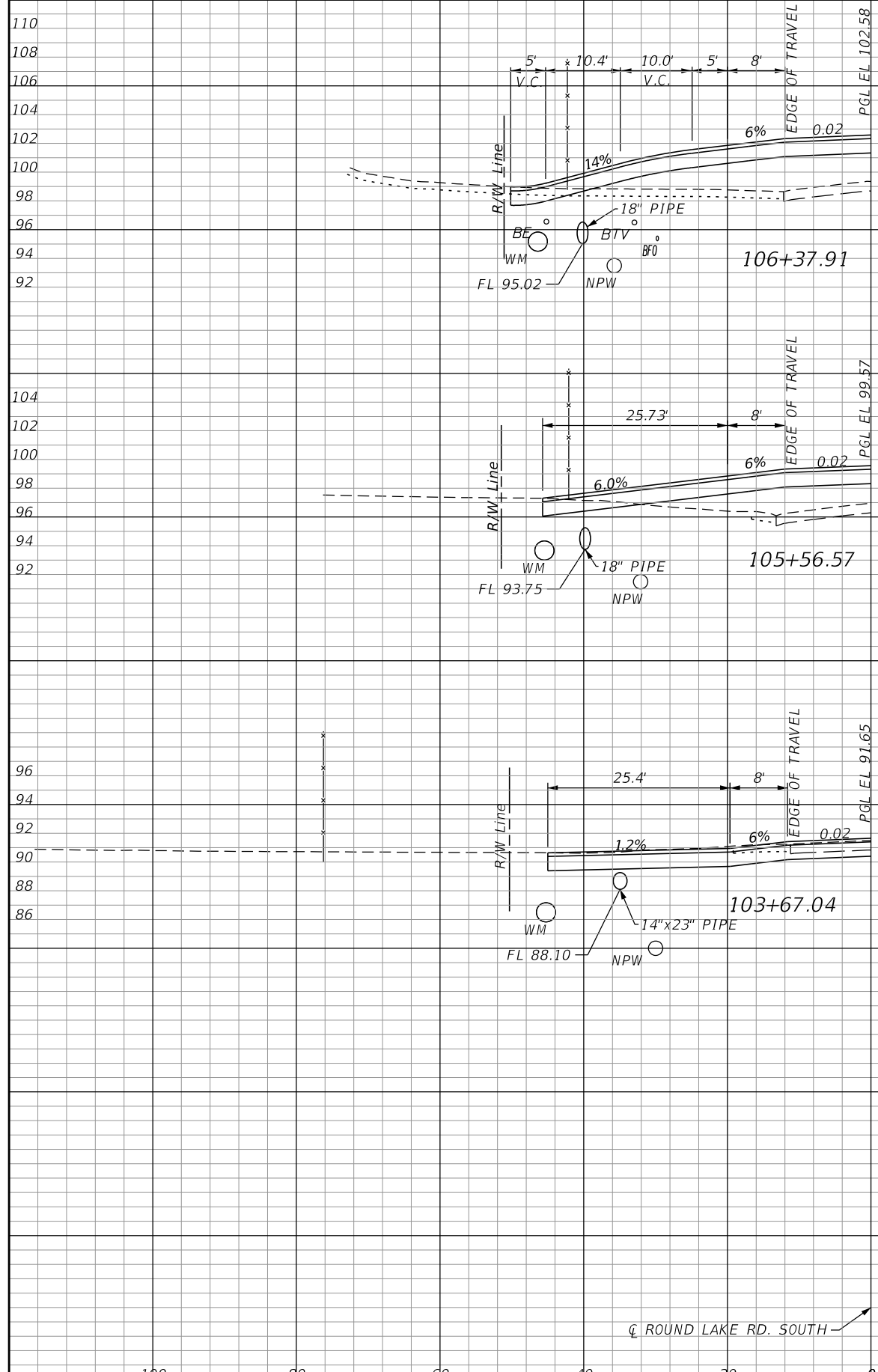
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES (5)
SR 46 LT. SIDE

SHEET NO.
 61

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

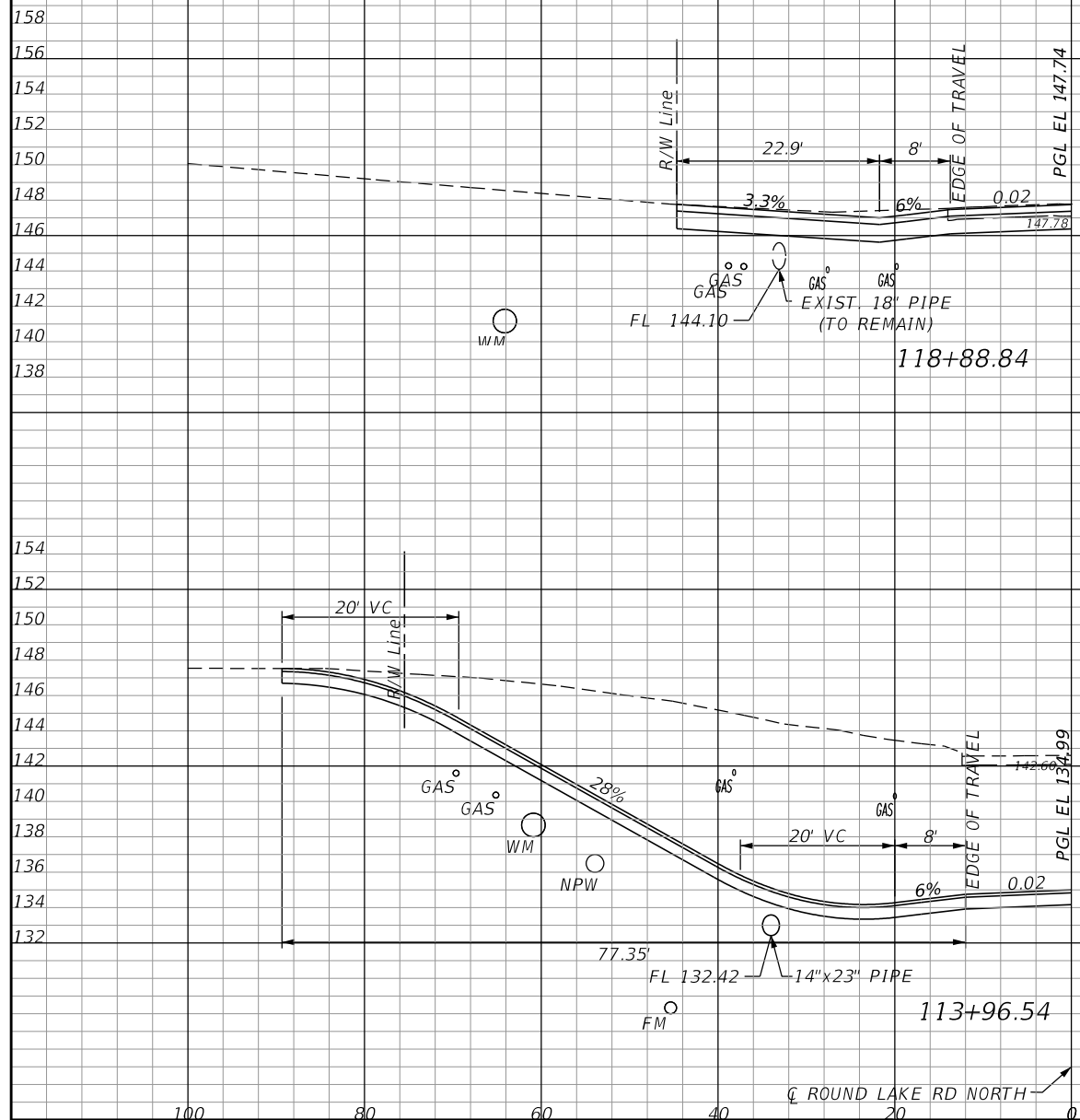
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES (6)
ROUND LAKE ROAD SOUTH

SHEET NO.
 62

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

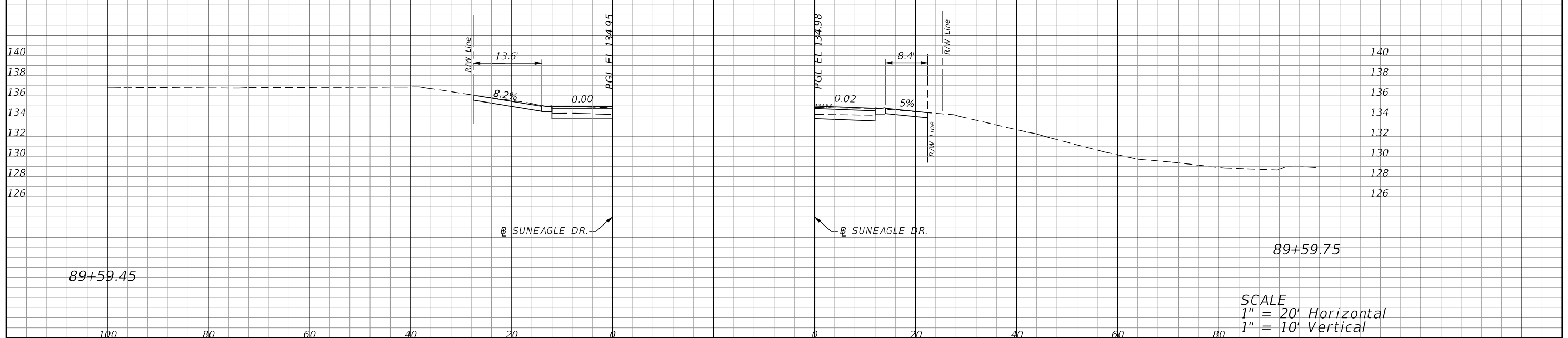
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES (7)
ROUND LAKE ROAD NORTH

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.



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

REVISIONS			
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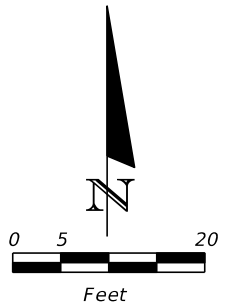
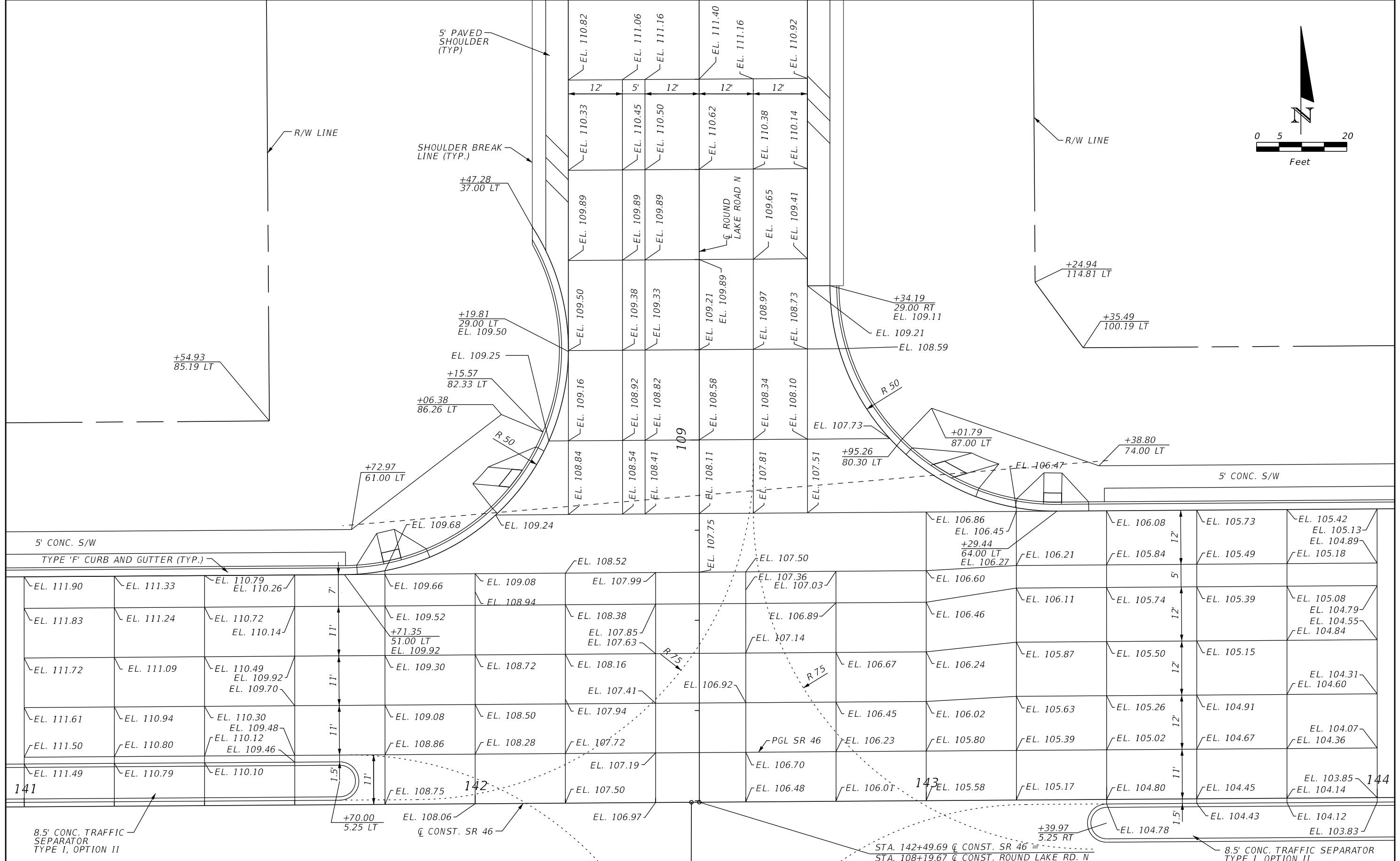
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES (8)
SUNEAGLE DRIVE

SHEET NO.
 64

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

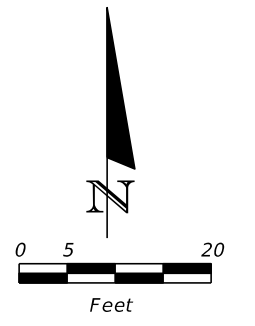
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

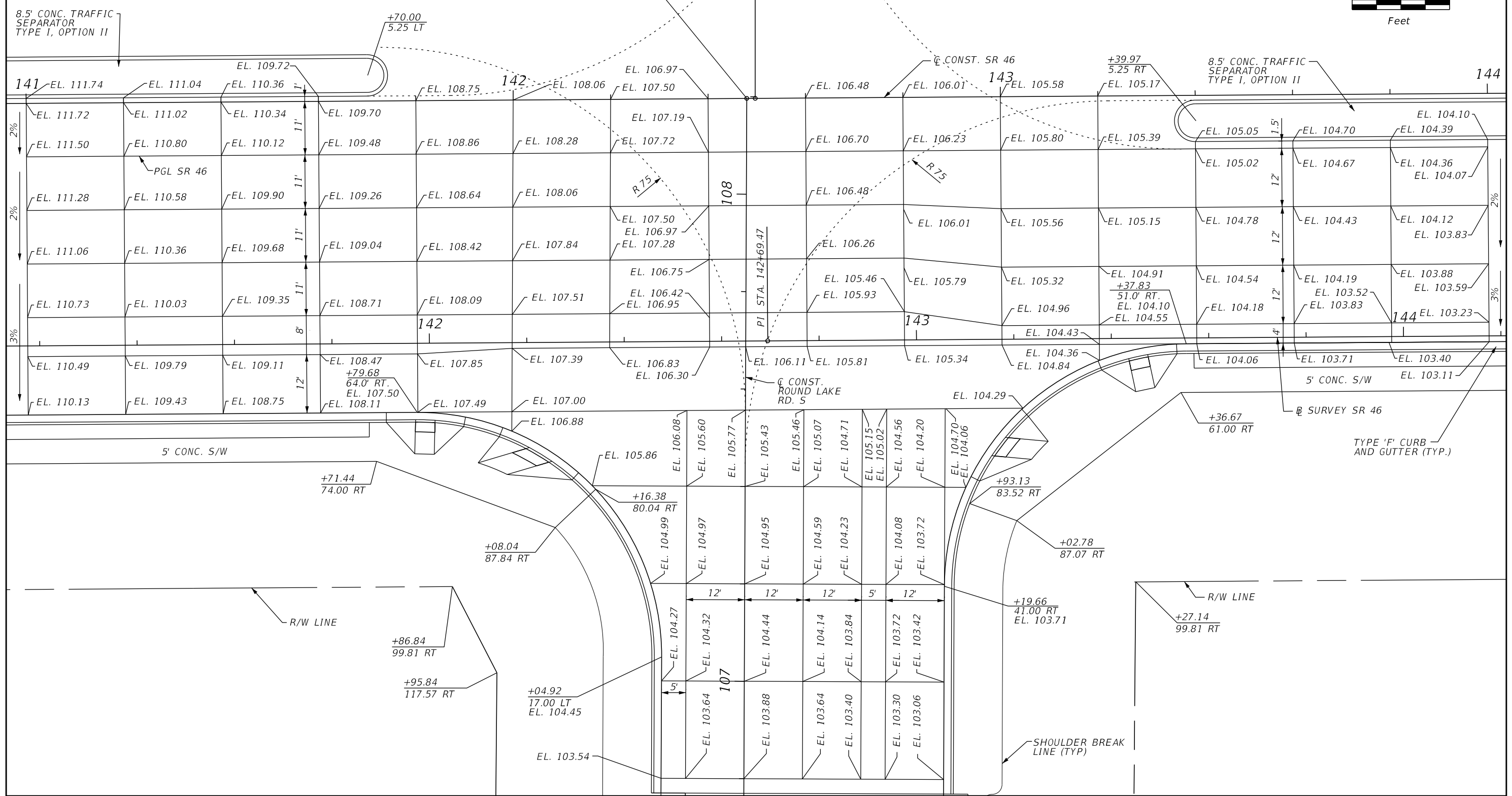
INTERSECTION DETAIL (1)
SR 46 & ROUND LAKE ROAD (N)

SHEET NO.
 65

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



STA. 142+47.94 \bar{C} SR 46 =
 STA. 108+19.67 \bar{C} ROUND LAKE ROAD S



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

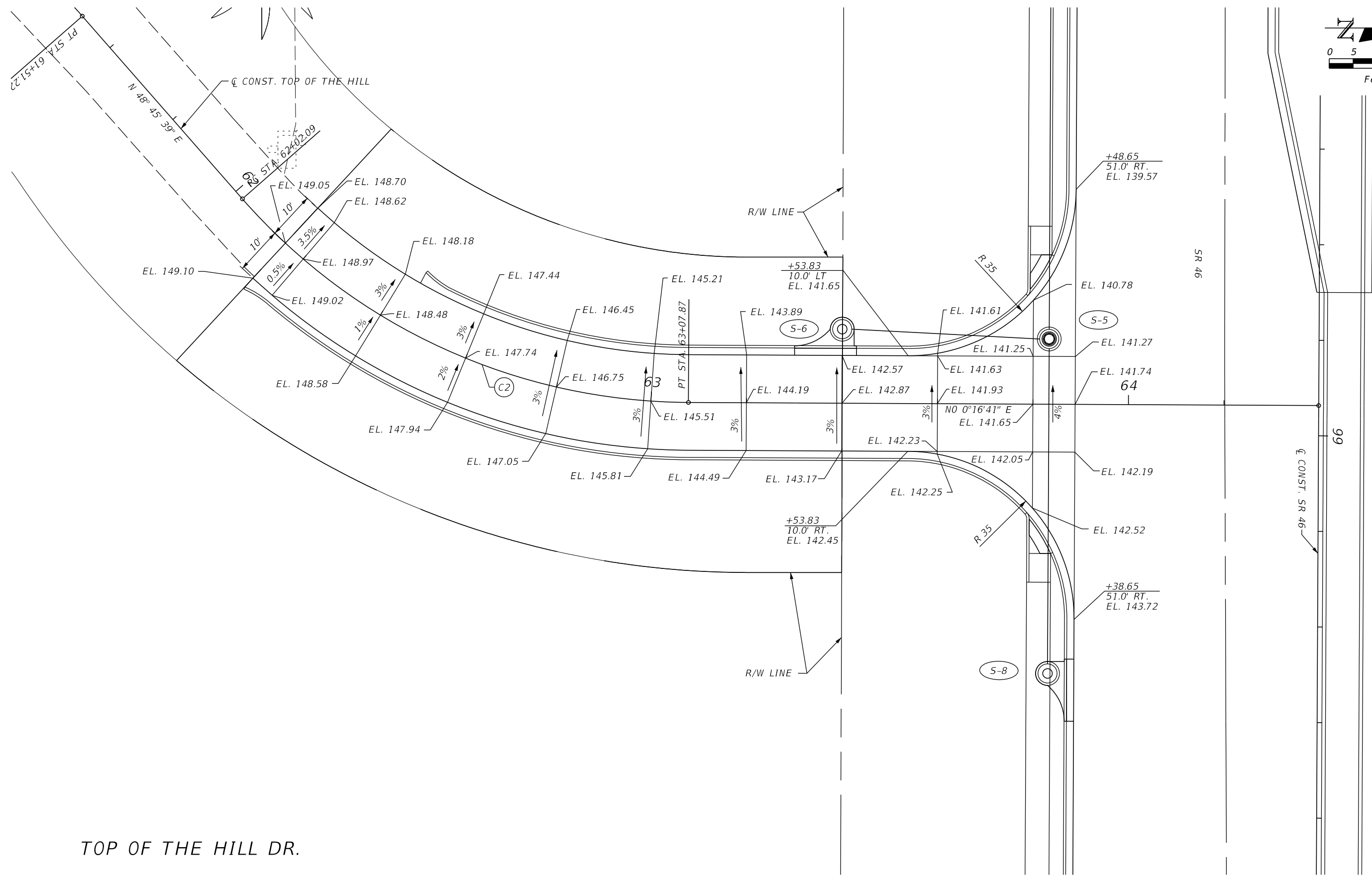
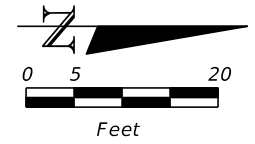
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

INTERSECTION DETAIL (2)
SR 46 & ROUND LAKE ROAD (S)

SHEET NO.
 66

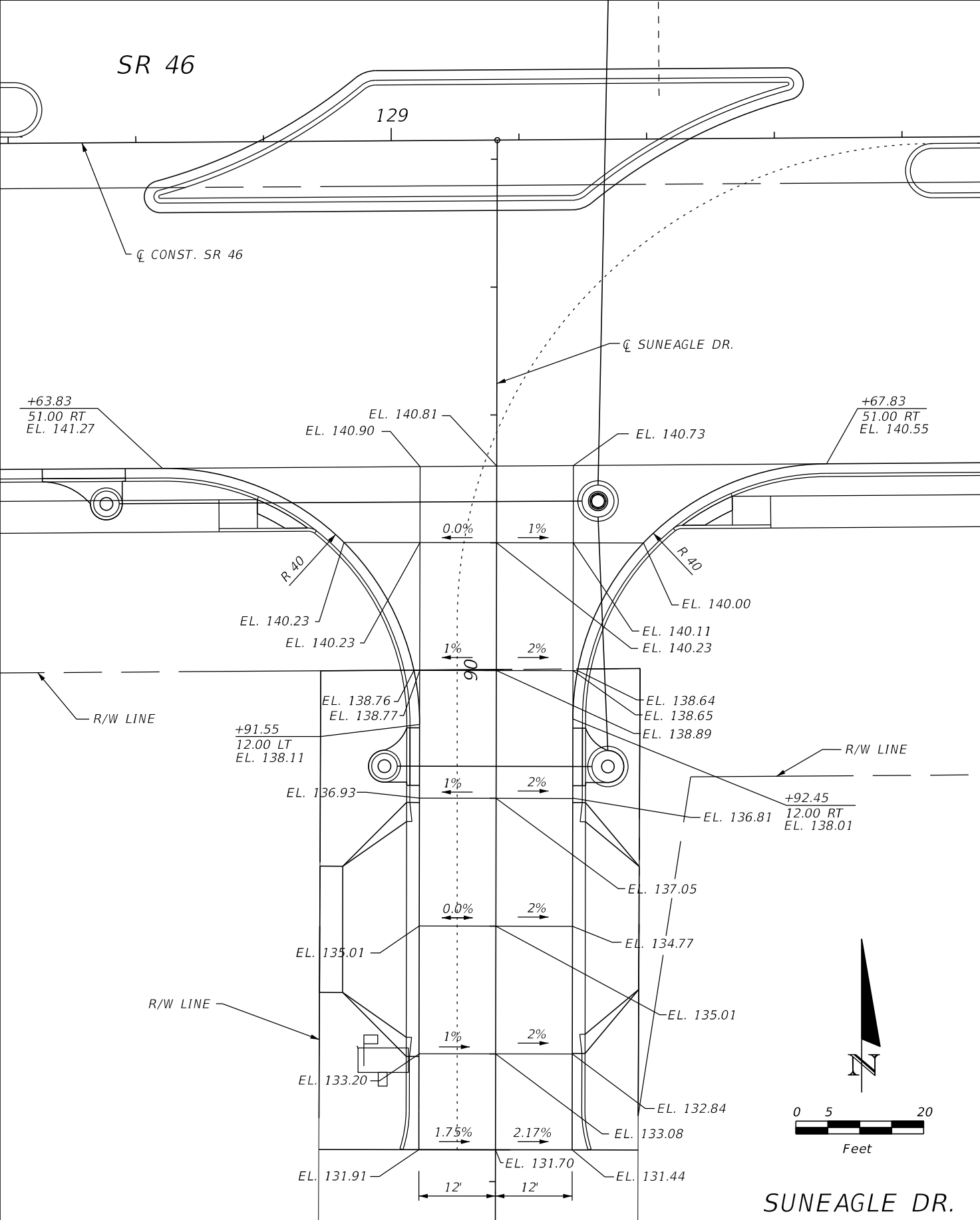
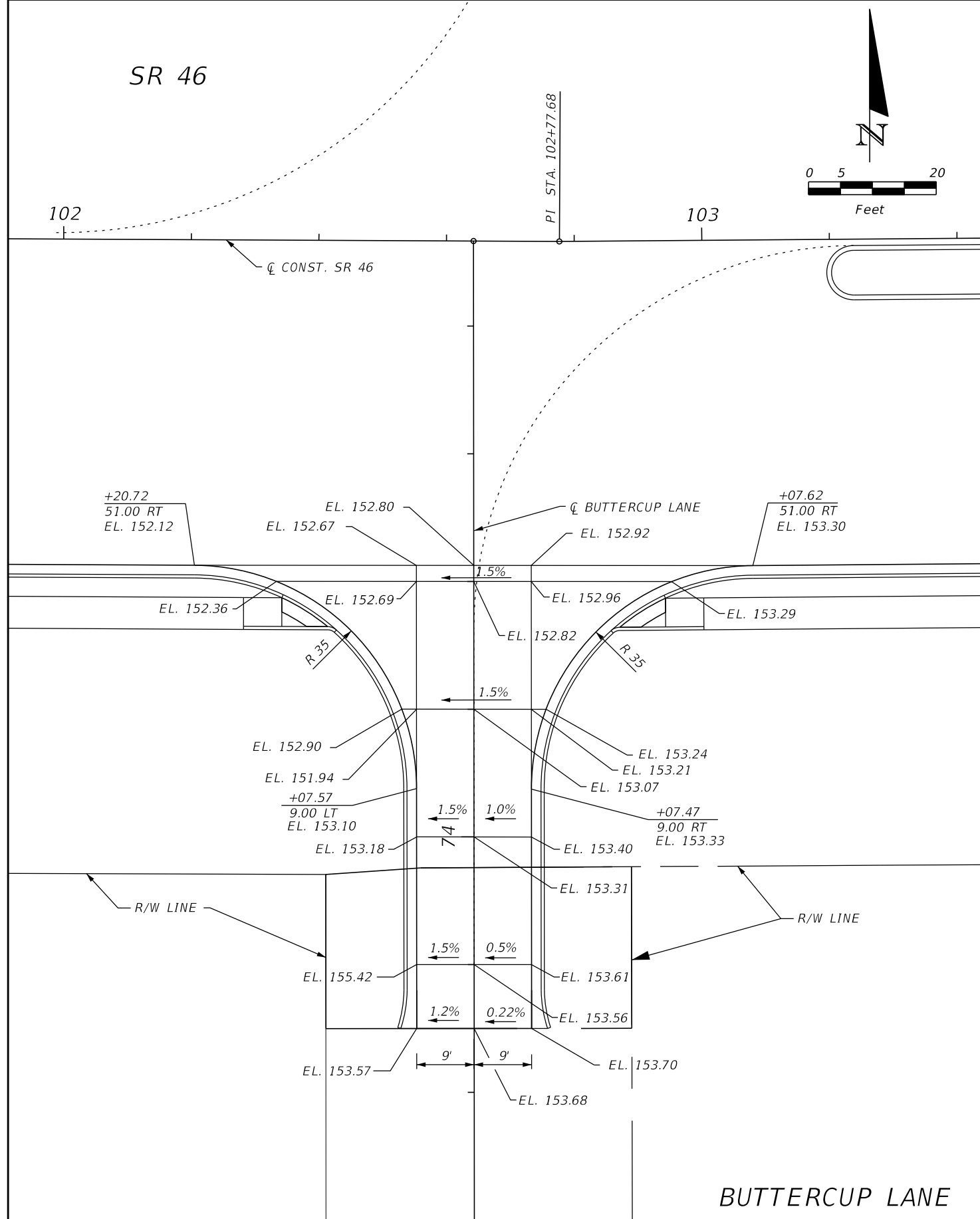
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TOP OF THE HILL DR.

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTERSECTION DETAIL SHEET (3)	SHEET NO. 67
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

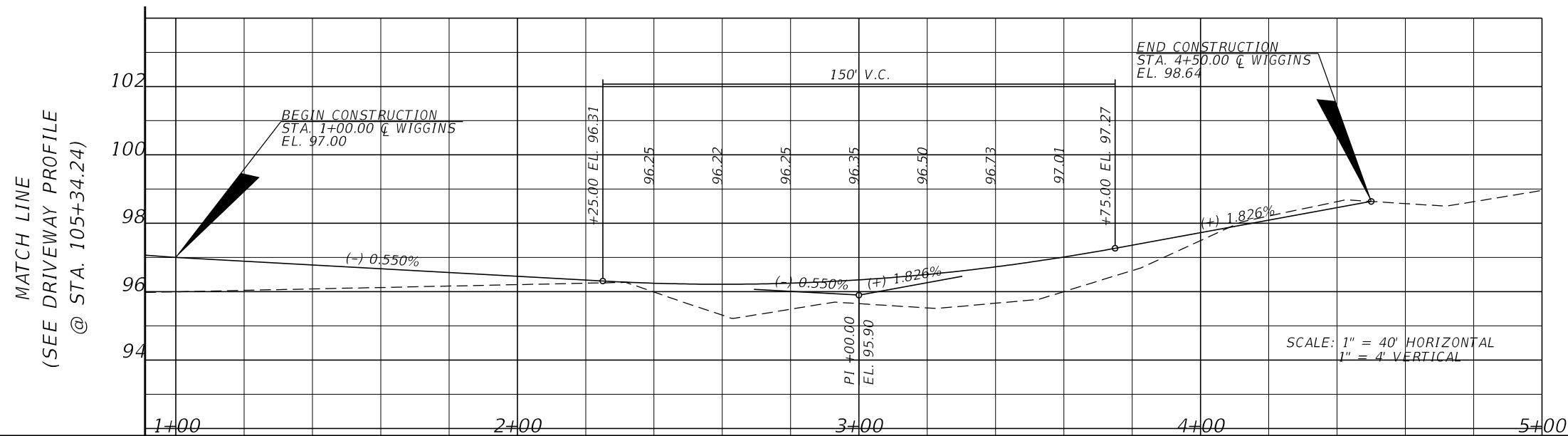
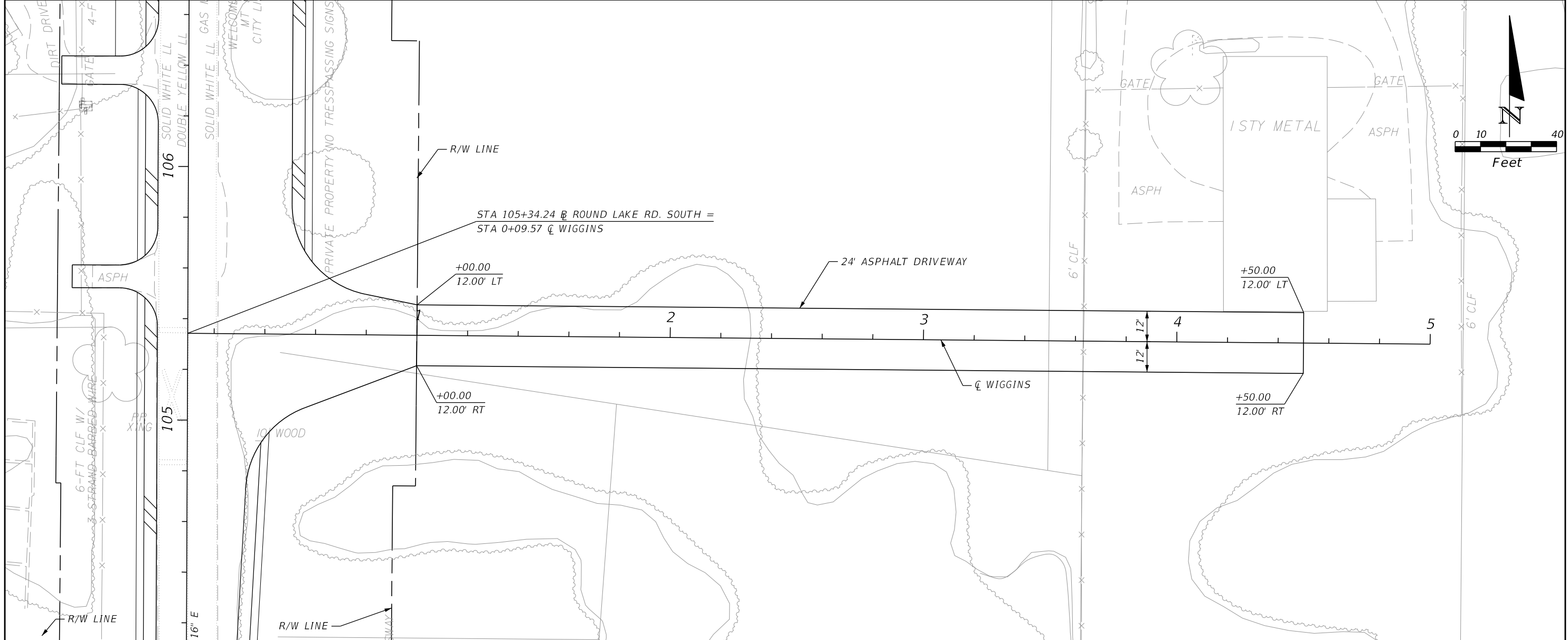
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

INTERSECTION DETAIL
SHEET (4)

SHEET NO.
 68

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-02

DRIVEWAY DETAIL

SHEET NO.
69

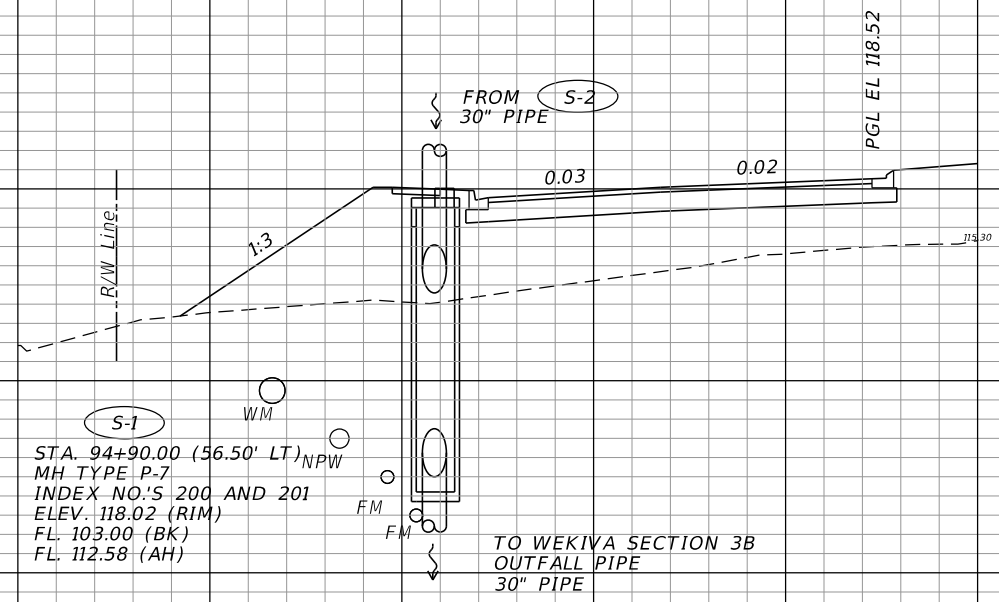
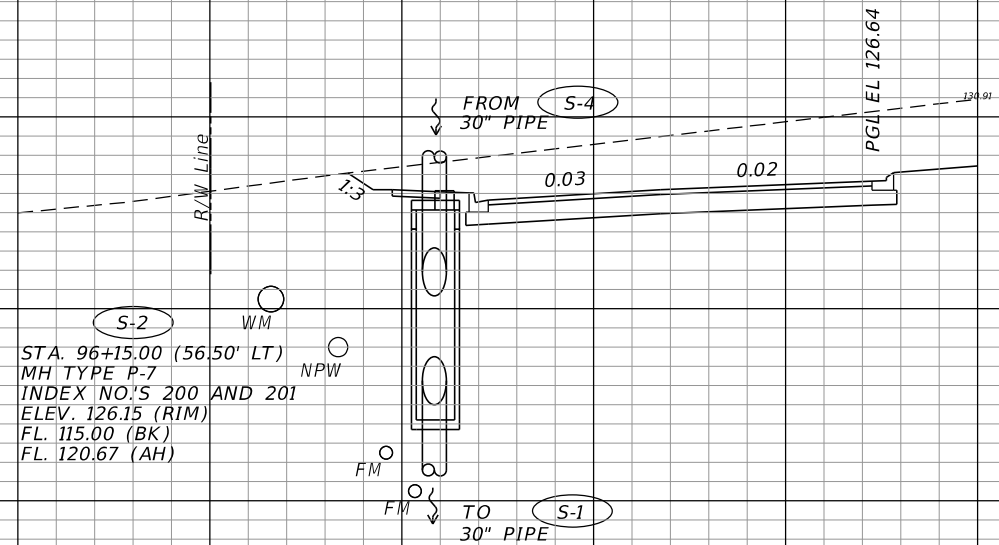
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

1. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
2. ALL DRAINAGE STRUCTURES HAVE OPTIONAL MATERIALS. THE OPTIONAL MATERIALS TABULATION SHEET(S) SHOWS ALL MATERIALS ALLOWED AS WELL AS INDICATING WHICH MATERIAL IS PLOTTED ON THESE SHEETS AND USED AS BASIS FOR PAY QUANTITIES.

142
140
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104
102
100
98



S-2
96+15.00

S-1
94+90.00

CONST.
SR 46

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

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

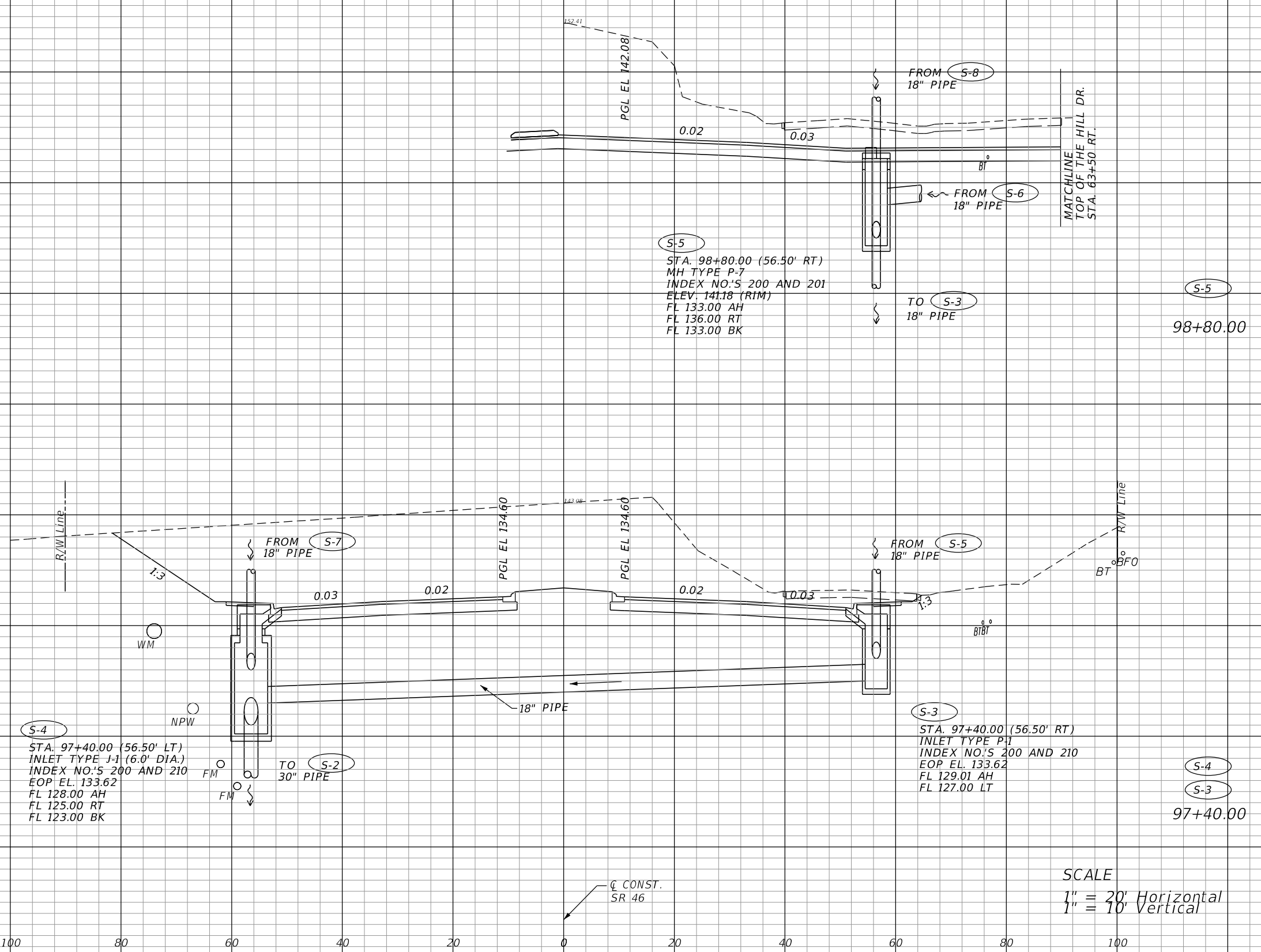
REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (1) SR 46	SHEET NO. 70
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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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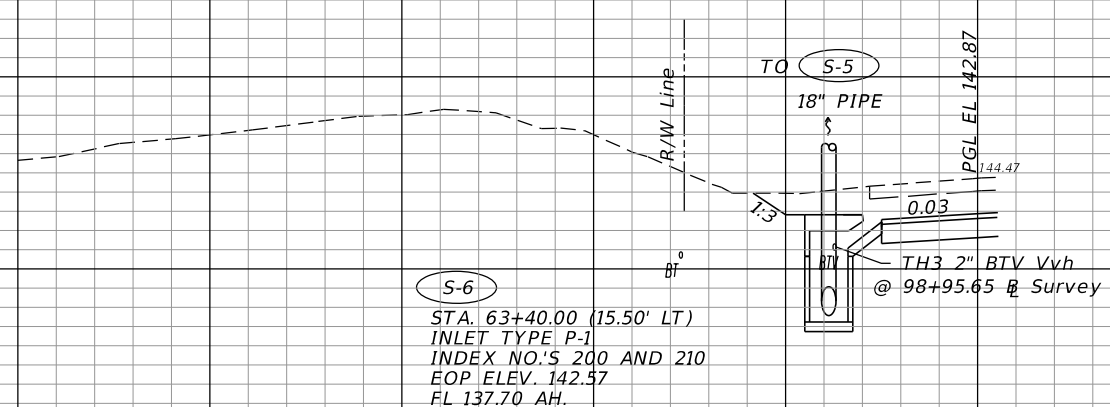


SCALE
1" = 20' Horizontal
1" = 10' Vertical

REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (2) SR 46	SHEET NO. 71
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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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S-6
STA. 63+40.00 (15.50' LT)
INLET TYPE P-1
INDEX NO.'S 200 AND 210
EOP ELEV. 142.57
FL 137.70 AH.

S-6
63+40.00

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

CONST. TOP OF THE HILL RD.

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

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (3) TOP OF THE HILL	SHEET NO. 72
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01		

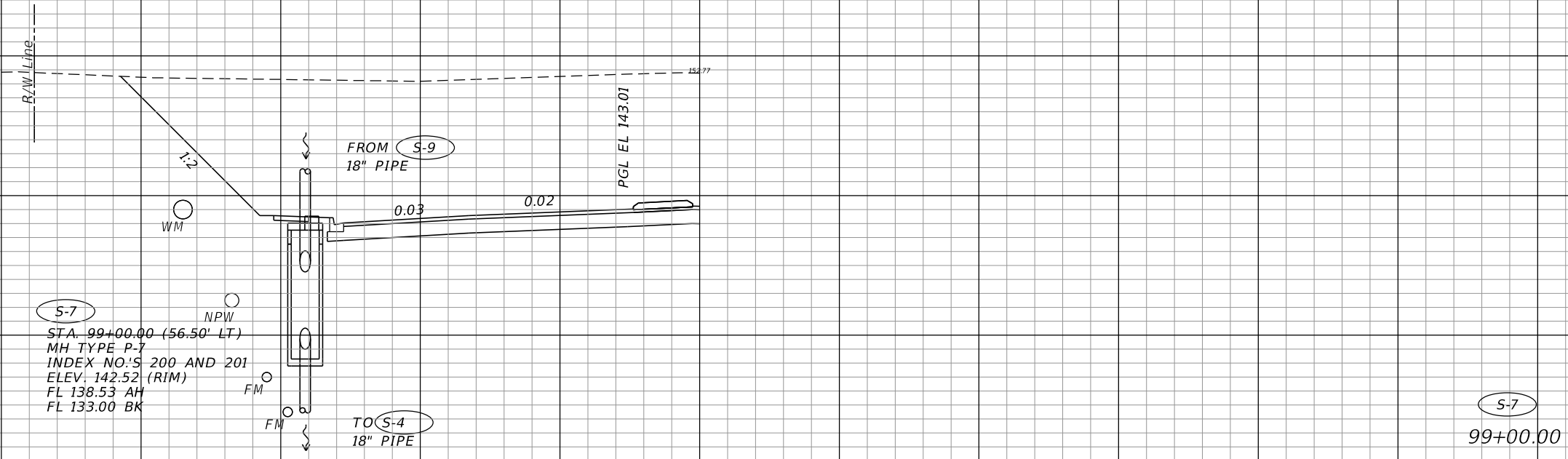
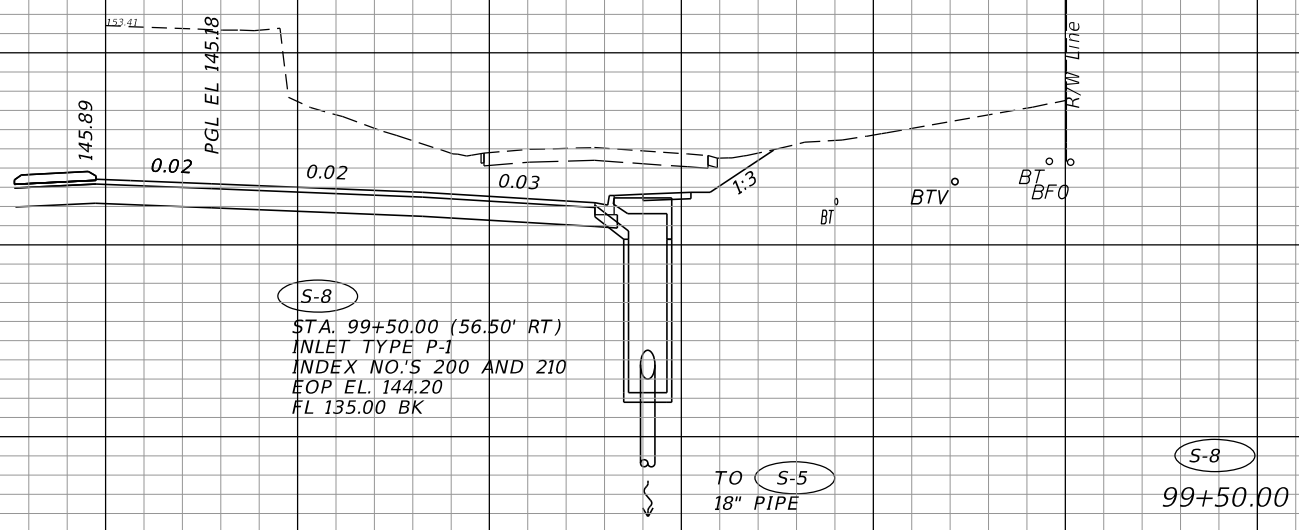
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

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



CONST.
SR 46

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE STRUCTURES (4)
SR 46

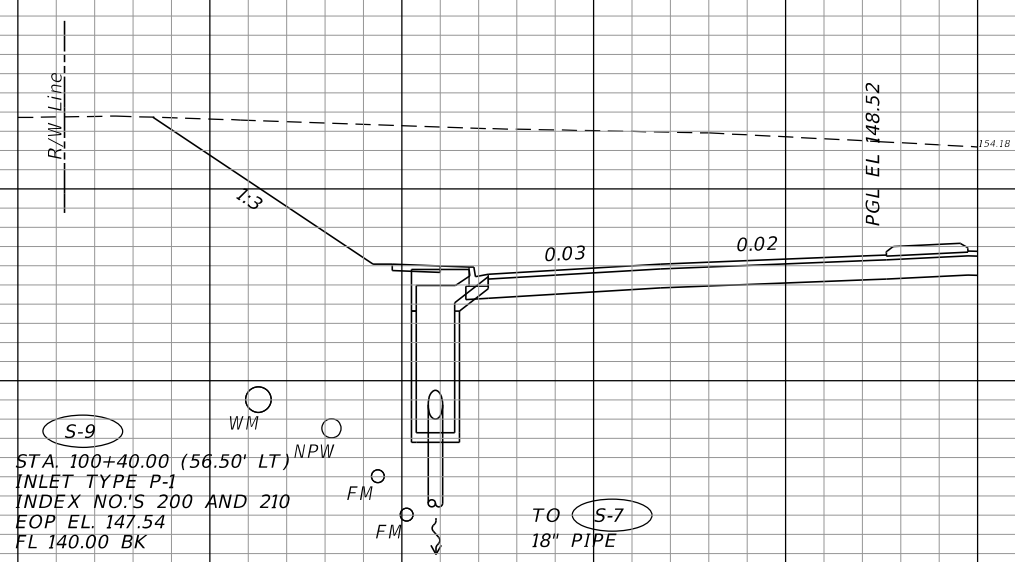
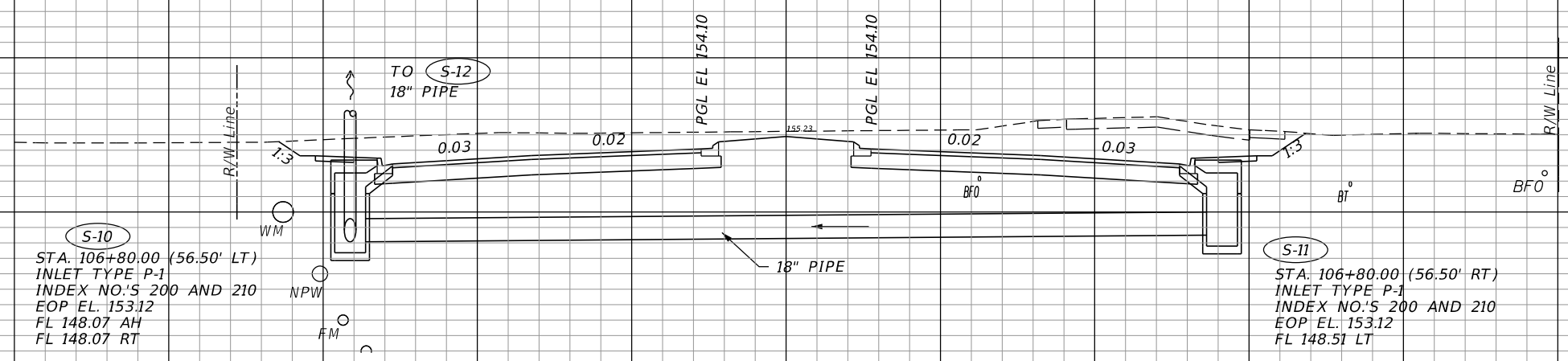
SHEET NO.
73

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



CONST.
SR 46

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

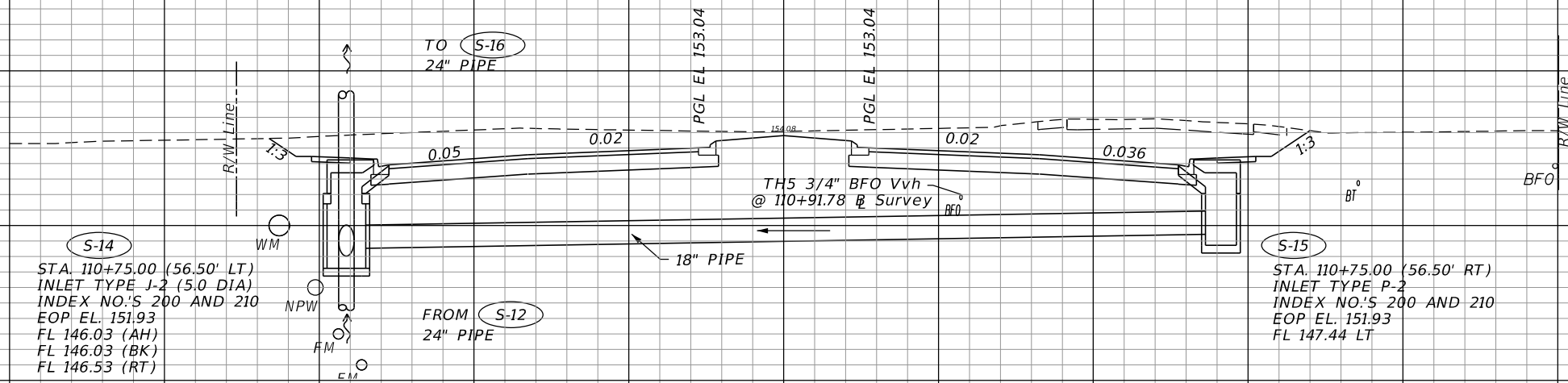
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE STRUCTURES (5)
SR 46

SHEET NO.
74

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

164
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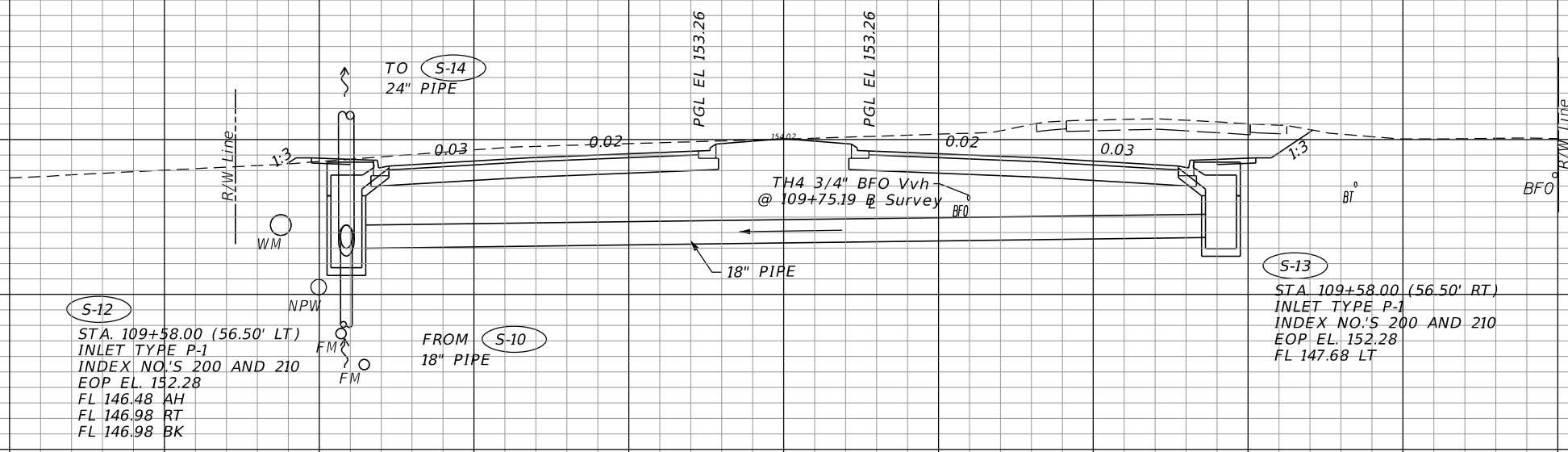


S-14
STA. 110+75.00 (56.50' LT)
INLET TYPE J-2 (5.0 DIA)
INDEX NO.'S 200 AND 210
EOP EL. 151.93
FL 146.03 (AH)
FL 146.03 (BK)
FL 146.53 (RT)

S-15
STA. 110+75.00 (56.50' RT)
INLET TYPE P-2
INDEX NO.'S 200 AND 210
EOP EL. 151.93
FL 147.44 LT

S-14
S-15
110+75.00

164
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S-12
STA. 109+58.00 (56.50' LT)
INLET TYPE P-1
INDEX NO.'S 200 AND 210
EOP EL. 152.28
FL 146.48 AH
FL 146.98 RT
FL 146.98 BK

S-13
STA. 109+58.00 (56.50' RT)
INLET TYPE P-1
INDEX NO.'S 200 AND 210
EOP EL. 152.28
FL 147.68 LT

S-12
S-13
109+58.00

CONST.
SR 46

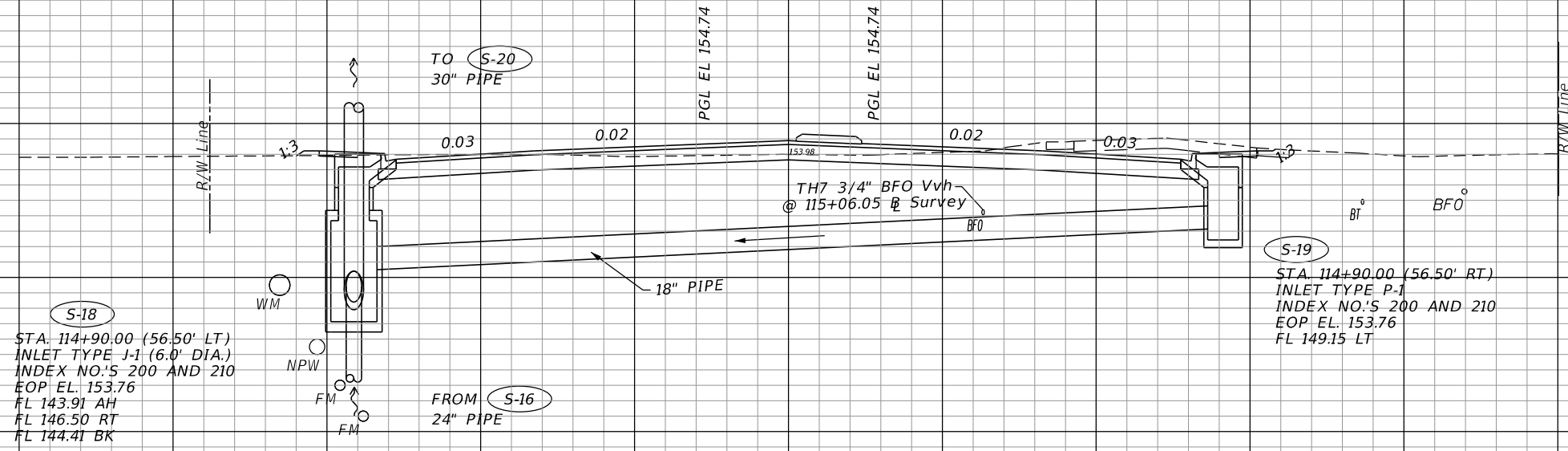
SCALE
1" = 20' Horizontal
1" = 10' Vertical

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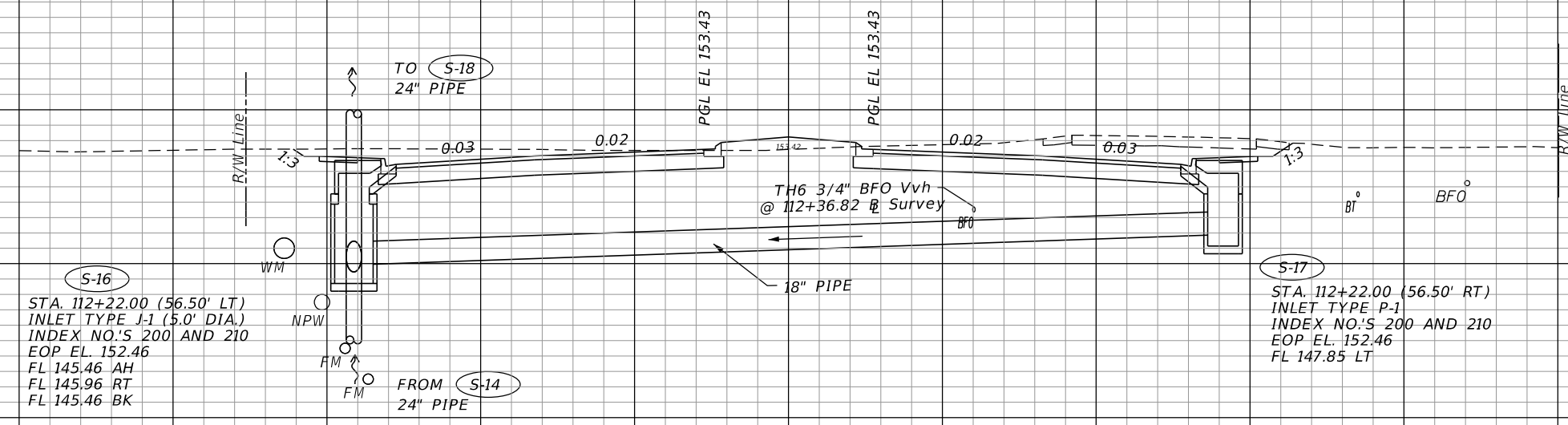
REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBAY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (6) SR 46	SHEET NO. 75
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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

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

REVISIONS	
DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

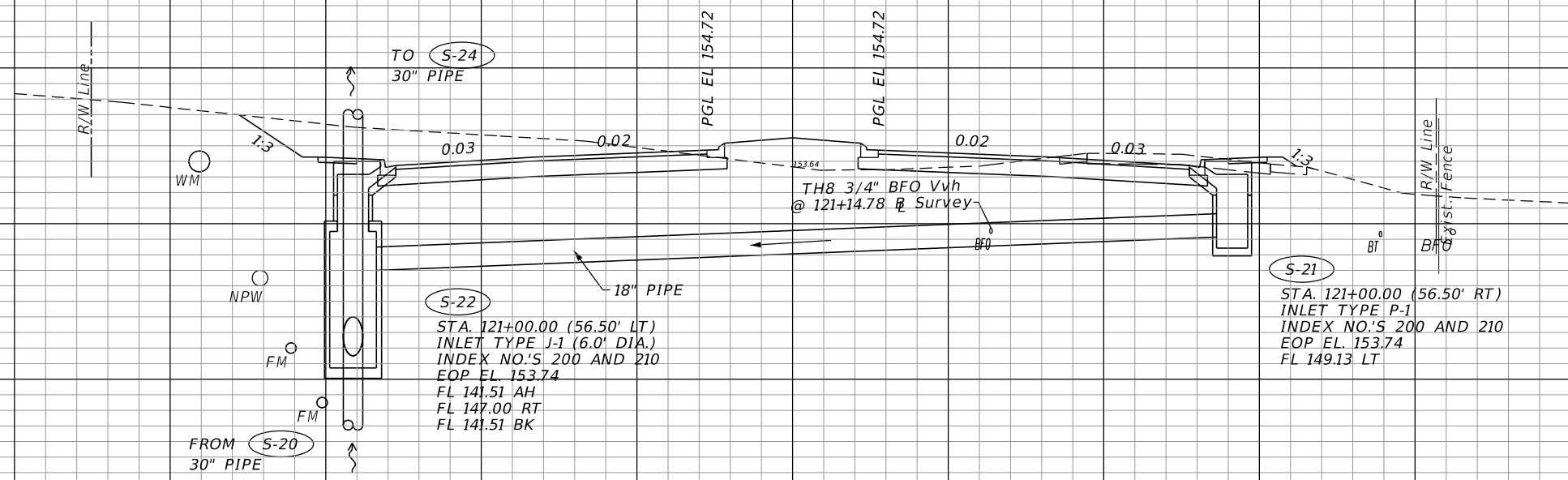
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE STRUCTURES (7)
SR 46

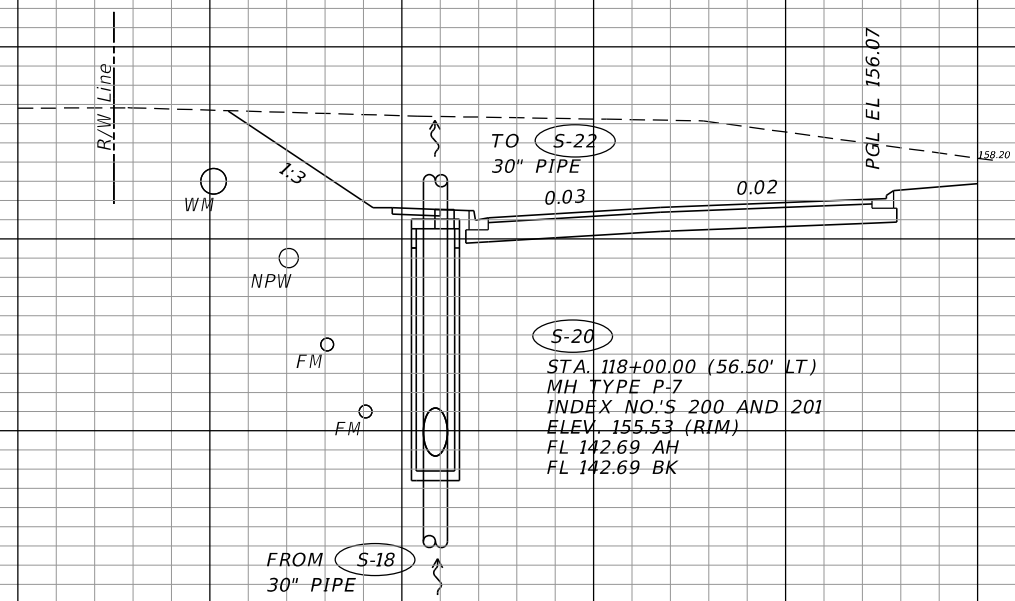
SHEET NO.
76

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

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CONST.
SR 46

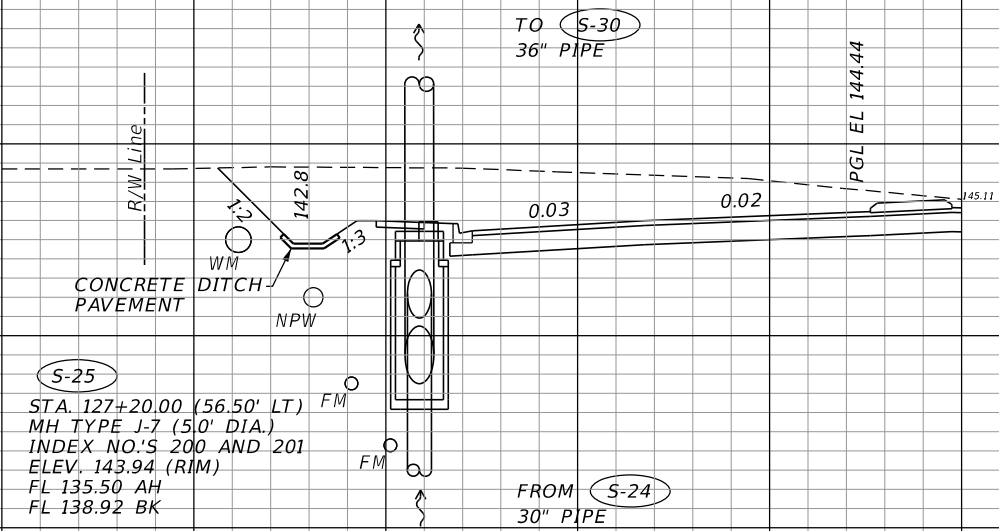
SCALE
1" = 20' Horizontal
1" = 10' Vertical

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

REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (8) SR 46	SHEET NO. 77
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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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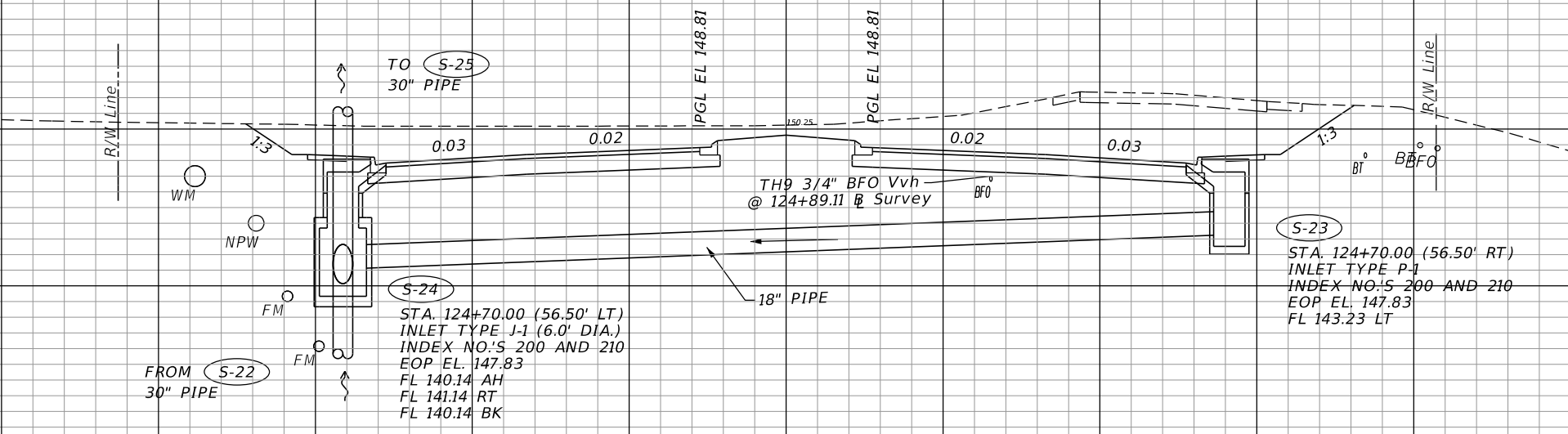


S-25
STA. 127+20.00 (56.50' LT)
MH TYPE J-7 (50' DIA.)
INDEX NO.'S 200 AND 201
ELEV. 143.94 (RIM)
FL 135.50 AH
FL 138.92 BK

FROM **S-24**
30" PIPE

TO **S-30**
36" PIPE

158
156
154
152
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148
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130



FROM **S-22**
30" PIPE

S-24
STA. 124+70.00 (56.50' LT)
INLET TYPE J-1 (6.0' DIA.)
INDEX NO.'S 200 AND 210
EOP EL. 147.83
FL 140.14 AH
FL 141.14 RT
FL 140.14 BK

TO **S-25**
30" PIPE

S-23
STA. 124+70.00 (56.50' RT)
INLET TYPE P-1
INDEX NO.'S 200 AND 210
EOP EL. 147.83
FL 143.23 LT

S-23
S-24
124+70.00

CONST.
SR 46

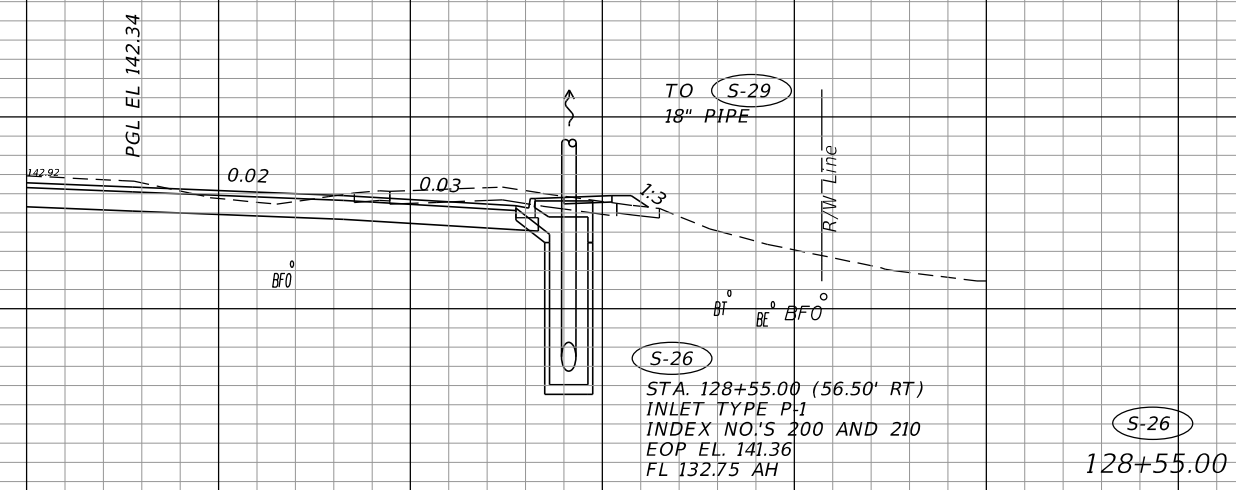
SCALE
1" = 20' Horizontal
1" = 10' Vertical

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

REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (9) SR 46	SHEET NO. 78
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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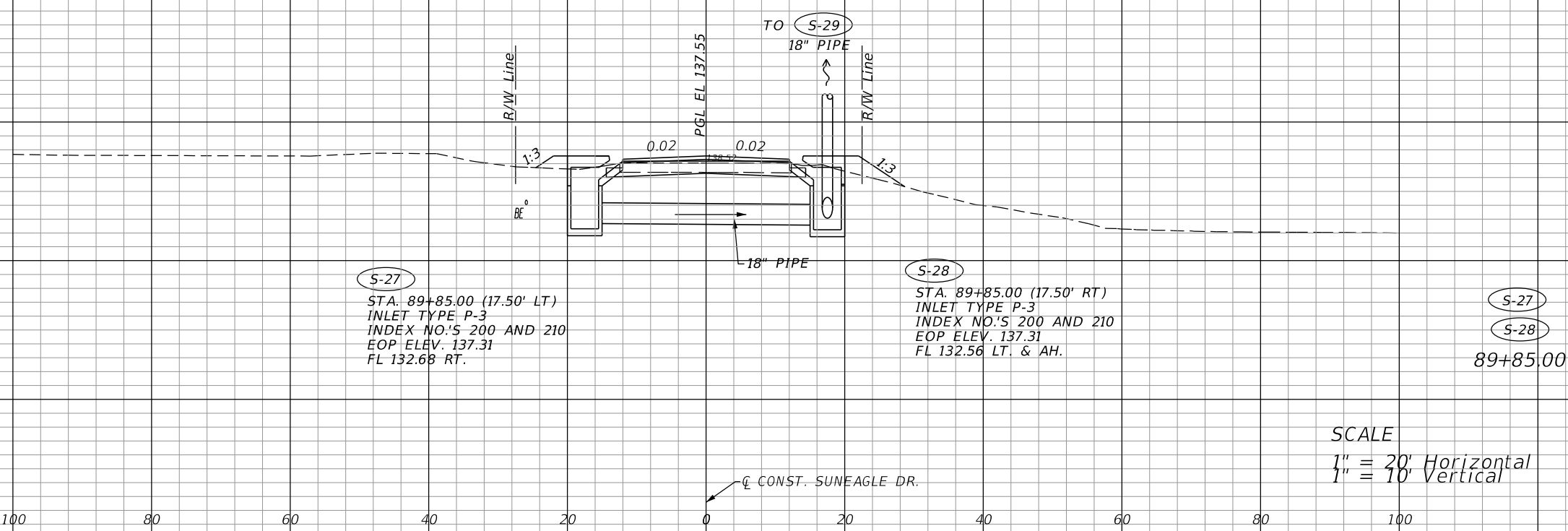
SCALE
1" = 20' Horizontal
1" = 10' Vertical

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

REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (10) SR 46	SHEET NO. 79
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01		

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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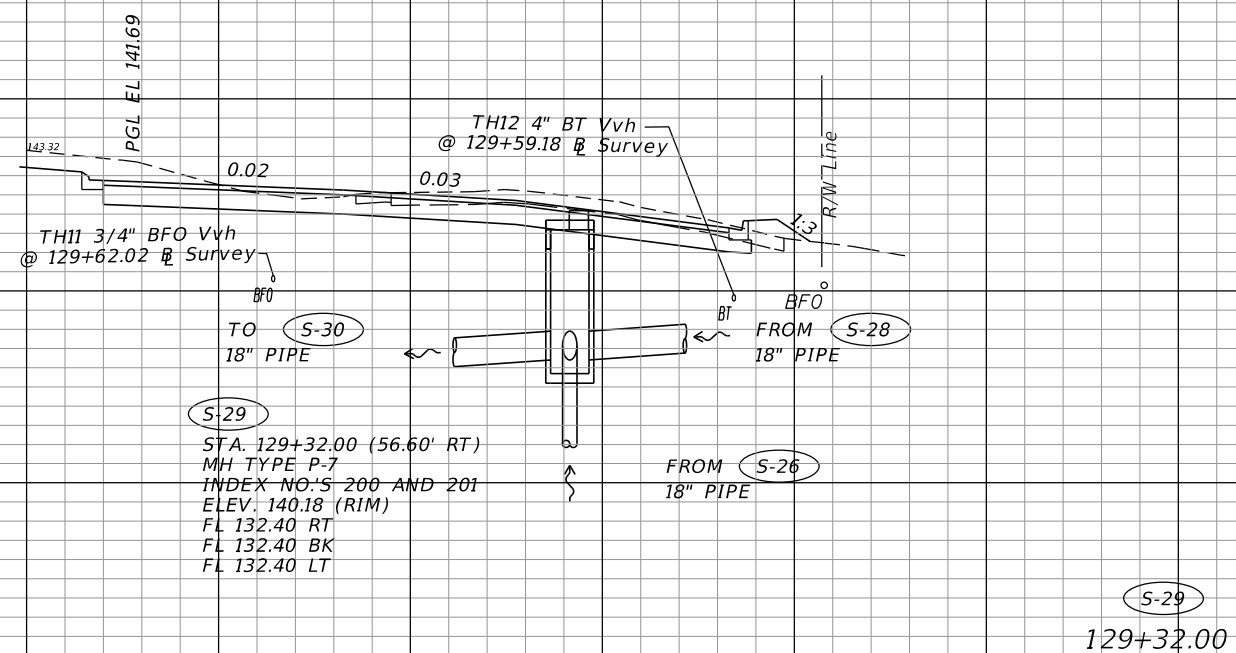


140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (11) SUNEAGLE DR.	SHEET NO. 80
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01		

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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CONST.
SR 46

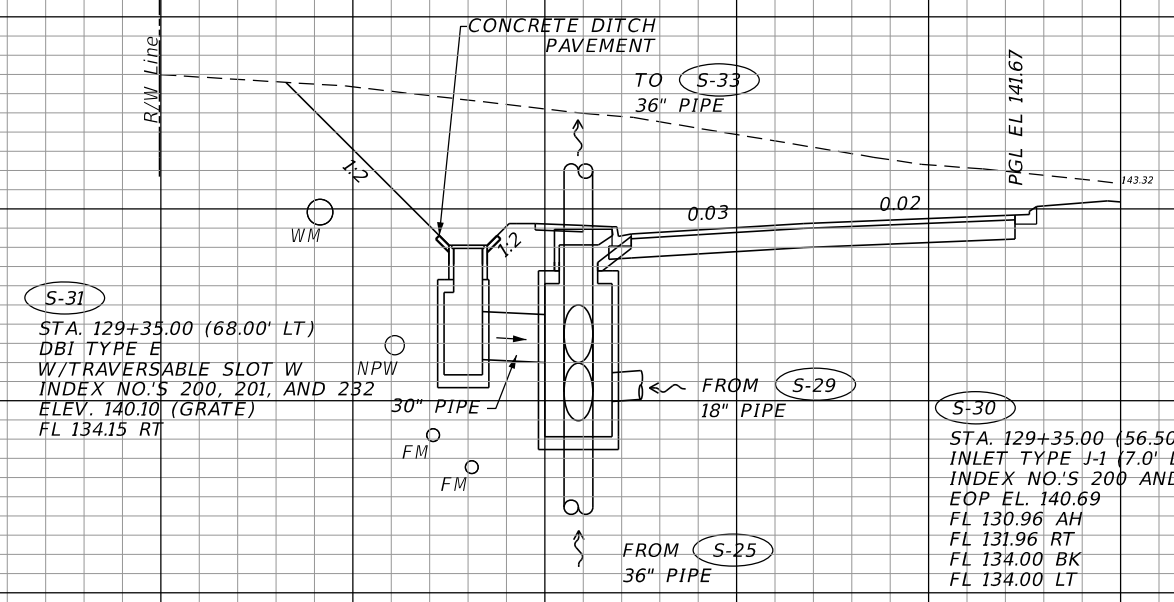
SCALE
1" = 20' Horizontal
1" = 10' Vertical

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

REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (12) SR 46	SHEET NO. 81
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01		

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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S-30
S-31
129+35.00

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

CONST.
SR 46

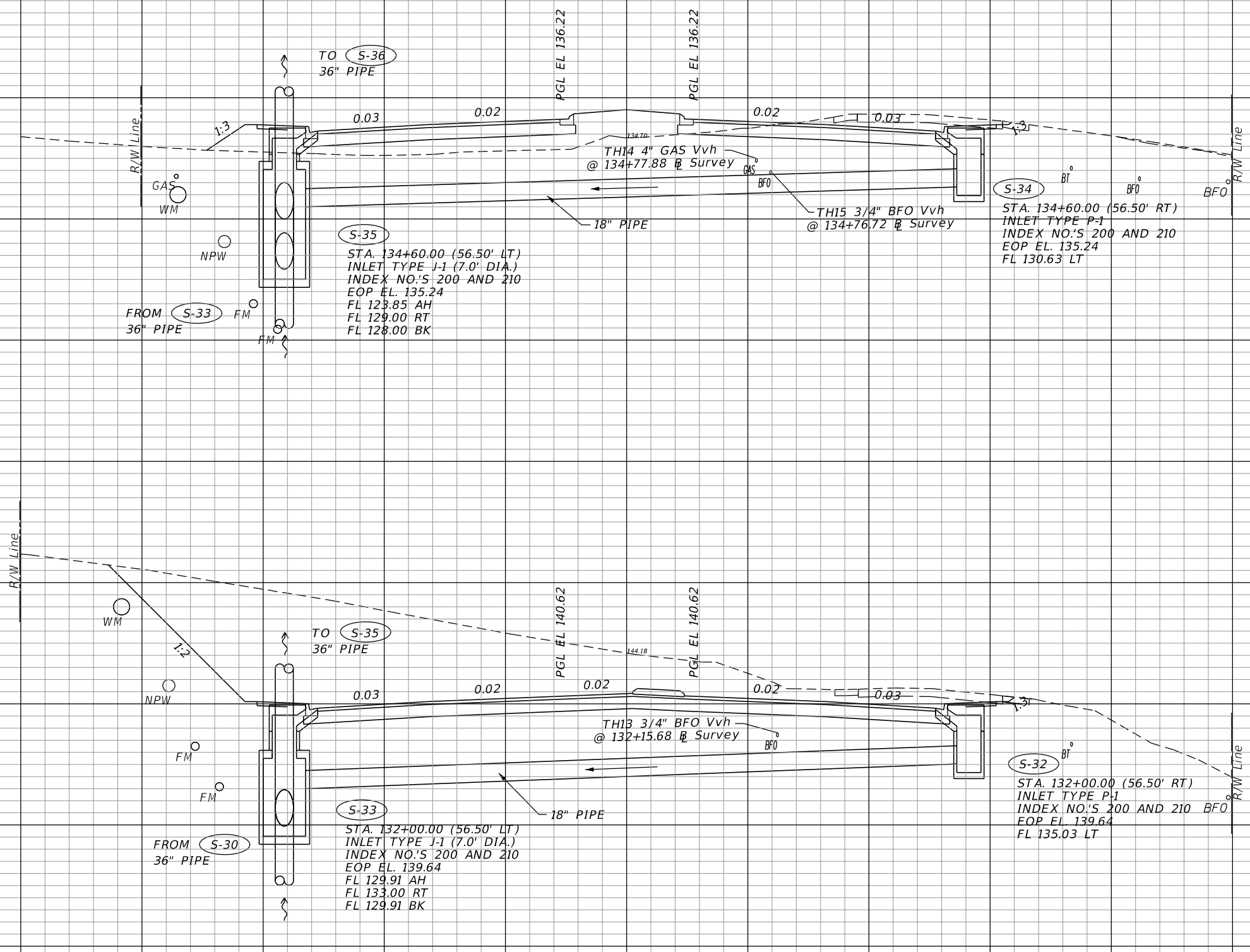
140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (15) SR 46	SHEET NO. 82
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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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S-34
S-35
134+60.00

S-32
S-33
132+00.00

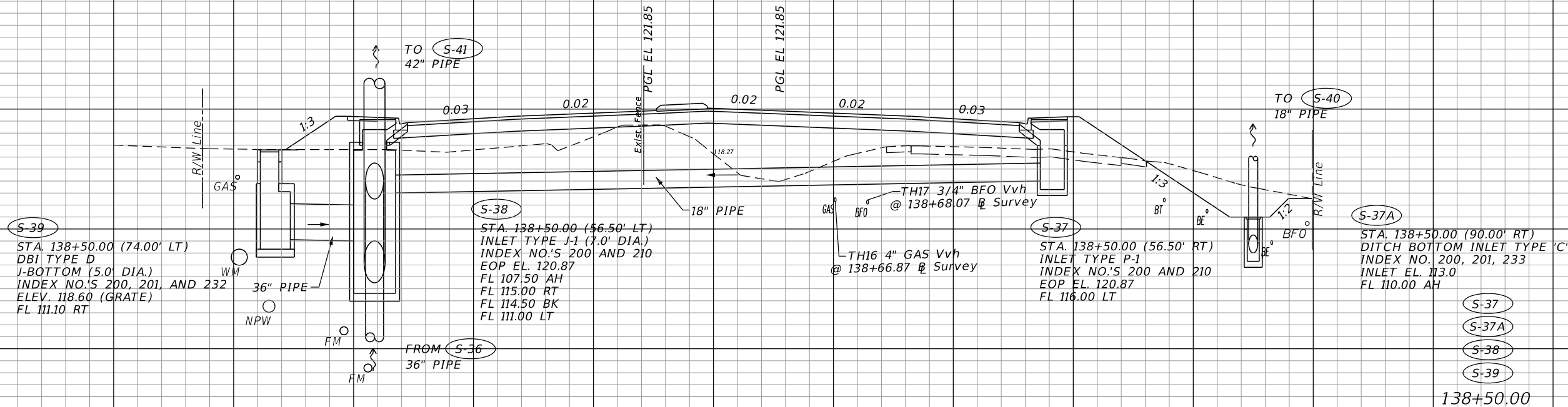
SCALE
1" = 20' Horizontal
1" = 10' Vertical

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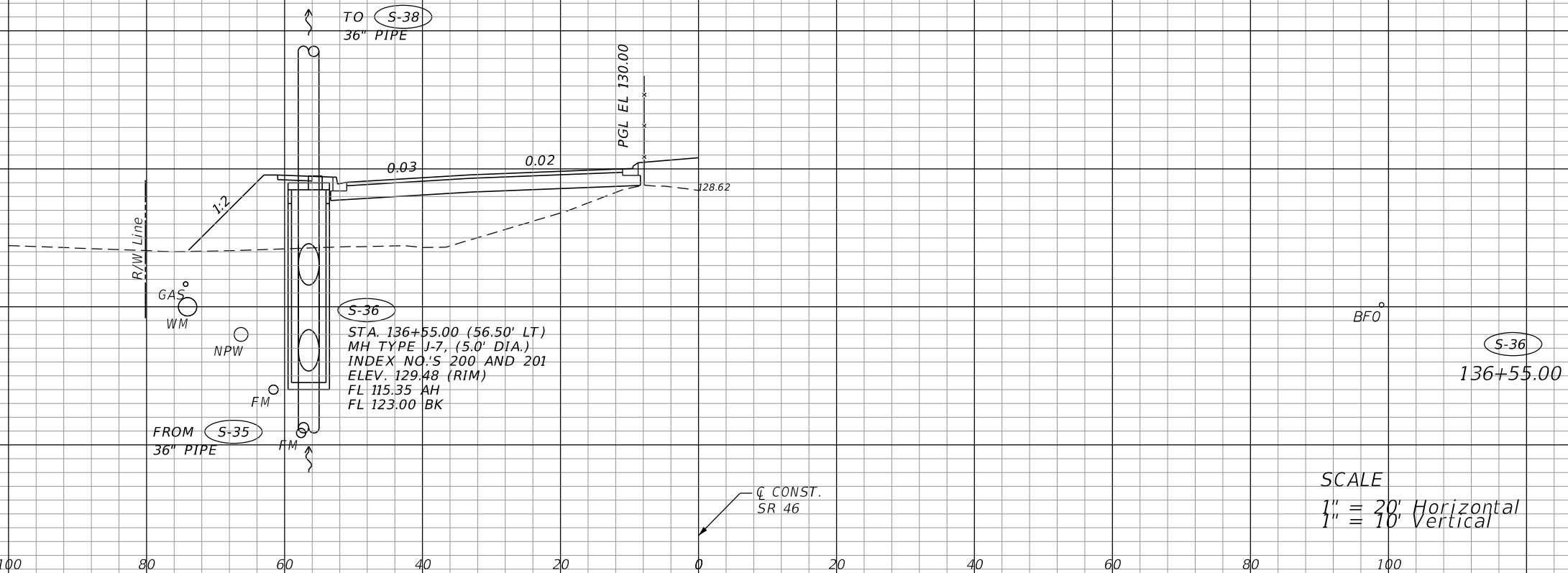
REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (14) SR 46	SHEET NO. 83
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

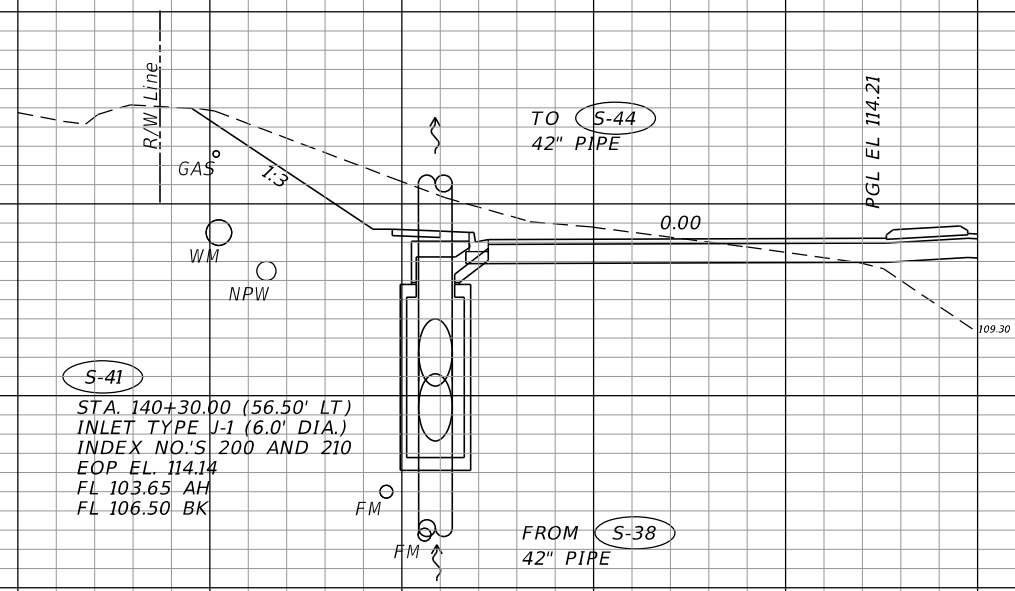
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE STRUCTURES (15)
SR 46

SHEET NO.
84

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

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S-41
 STA. 140+30.00 (56.50' LT)
 INLET TYPE J-1 (6.0' DIA.)
 INDEX NO.'S 200 AND 210
 EOP EL. 114.14
 FL 103.65 AH
 FL 106.50 BK

FROM **S-38**
 42" PIPE

TO **S-44**
 42" PIPE

PGL EL 114.21

0.00

109.30

R/W Line

GAS

1:3

WM

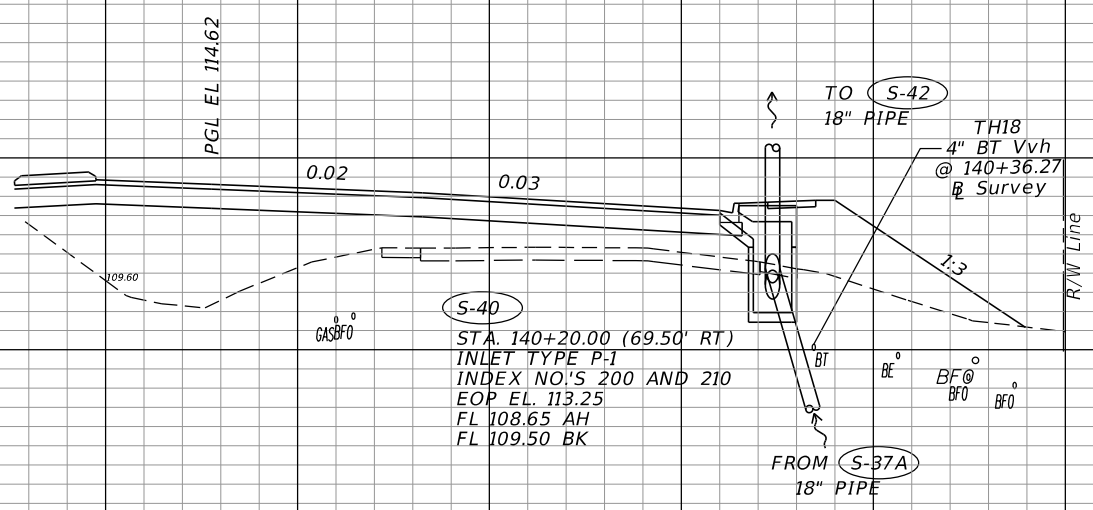
NPW

FM

FM

S-41
 140+30.00

126
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S-40
 STA. 140+20.00 (69.50' RT)
 INLET TYPE P-1
 INDEX NO.'S 200 AND 210
 EOP EL. 113.25
 FL 108.65 AH
 FL 109.50 BK

FROM **S-37A**
 18" PIPE

TO **S-42**
 18" PIPE

TH18
 4" BT Vvh
 @ 140+36.27
 Survey

PGL EL 114.62

0.02

0.03

109.60

GASBFO

R/W Line

1:3

BT

BE

BF

BFO

BFO

S-40
 140+20.00

CONST.
 SR 46

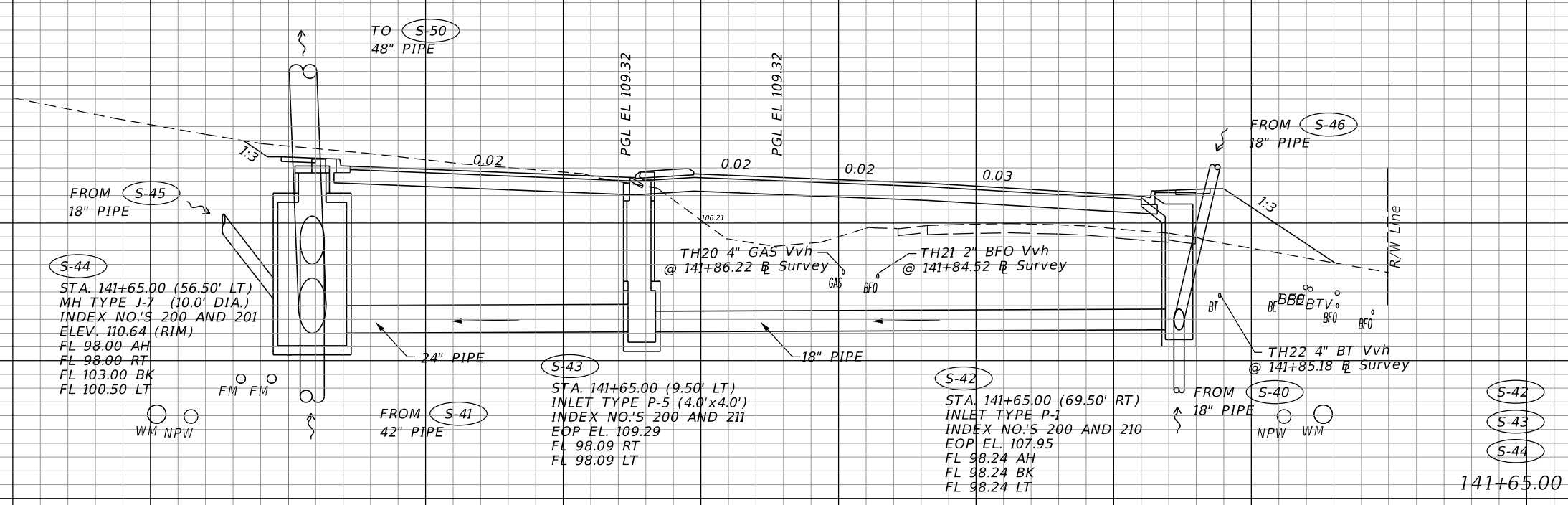
SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

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

REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBAY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (16) SR 46	SHEET NO. 85
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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

136
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86



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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

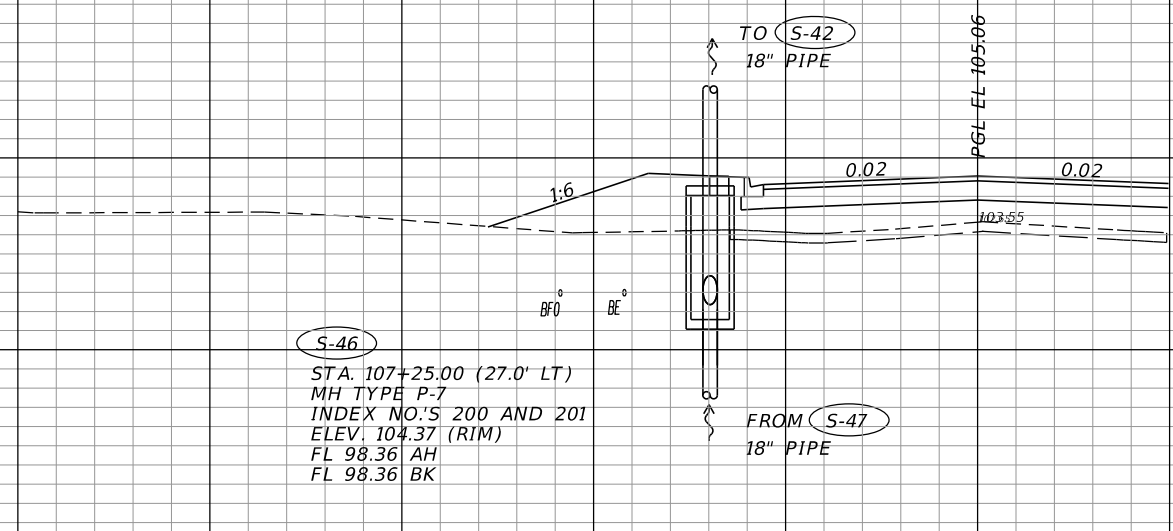
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE STRUCTURES (17)
SR 46

SHEET NO.
86

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

114
112
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S-46
STA. 107+25.00 (27.0' LT)
MH TYPE P-7
INDEX NO.'S 200 AND 201
ELEV. 104.37 (RIM)
FL 98.36 AH
FL 98.36 BK

TO S-42
18" PIPE

FROM S-47
18" PIPE

S-46
107+25.00

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

CONST. ROUND LAKE RD. (S)

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

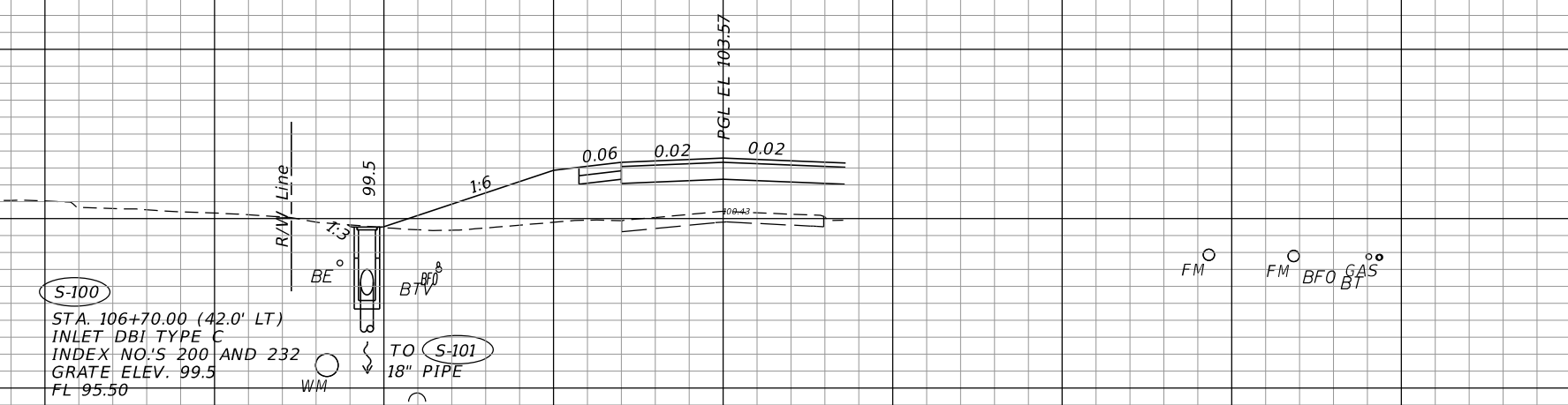
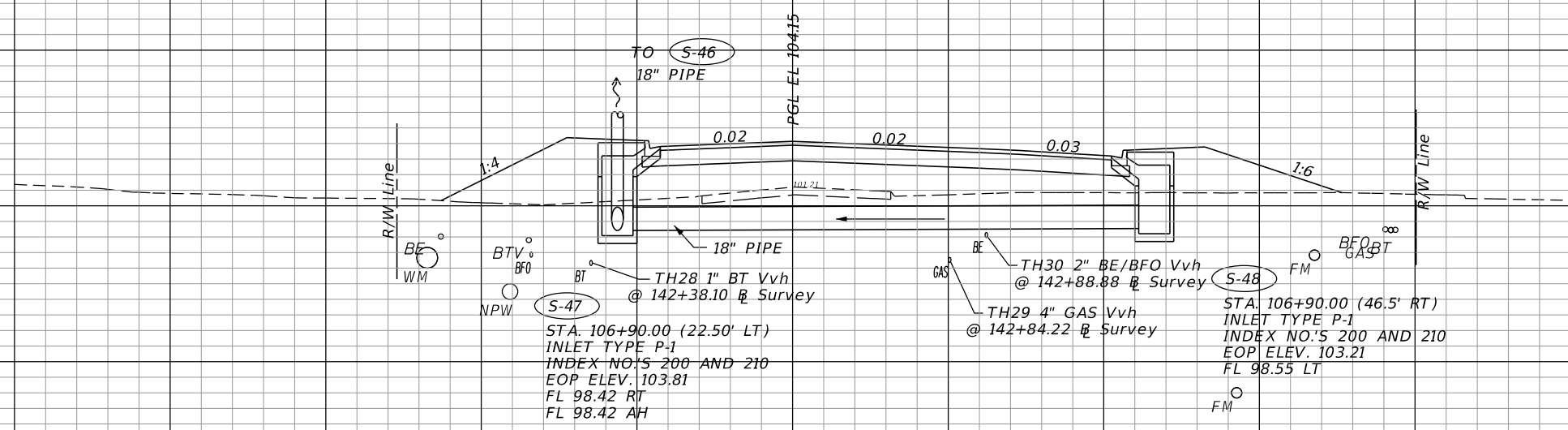
REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (18) ROUND LAKE RD. S	SHEET NO. 87
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01		

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE STRUCTURES (19)
ROUND LAKE RD. S

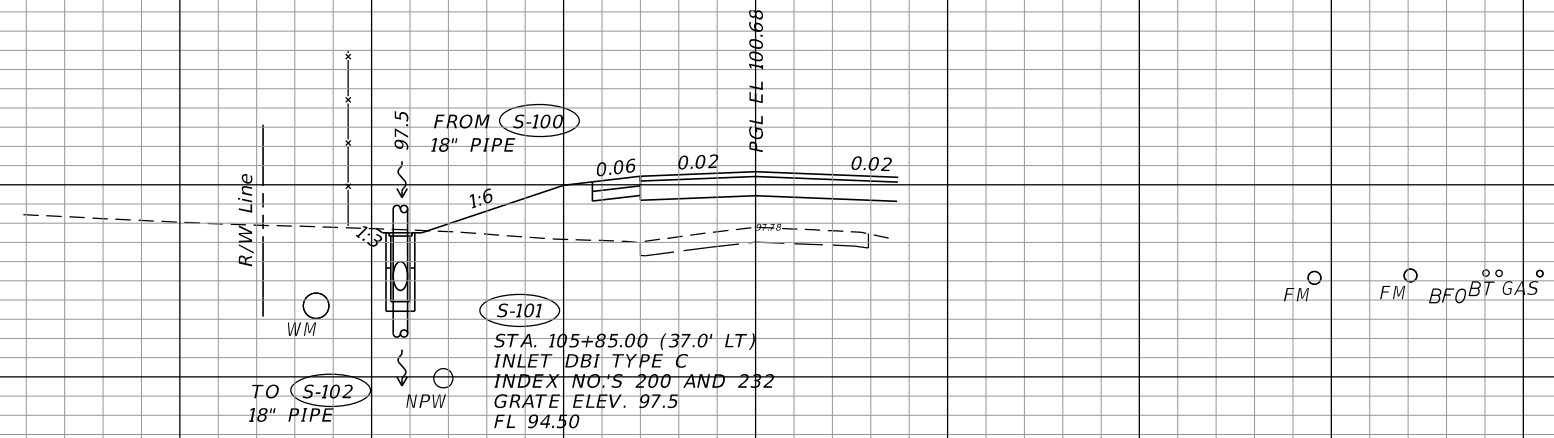
SHEET NO.
88

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

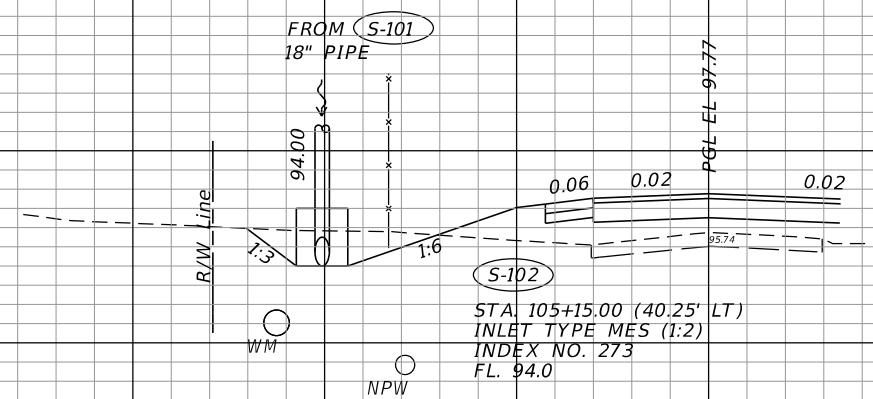
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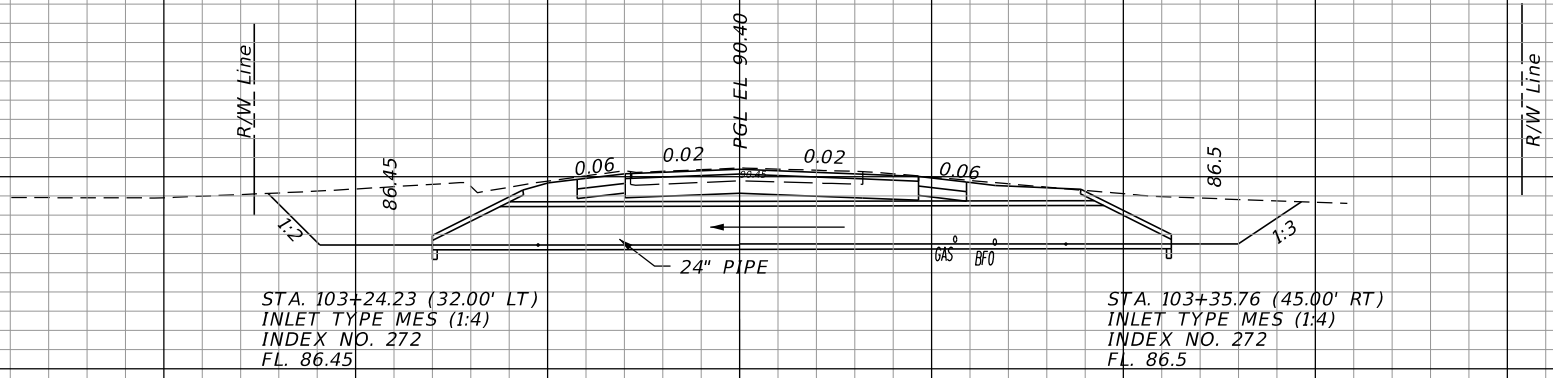
98
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S-101
105+85.00



S-102
105+15.00



S-110
103+28.85
(SECTION TAKEN FROM ϕ OF PIPE)

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

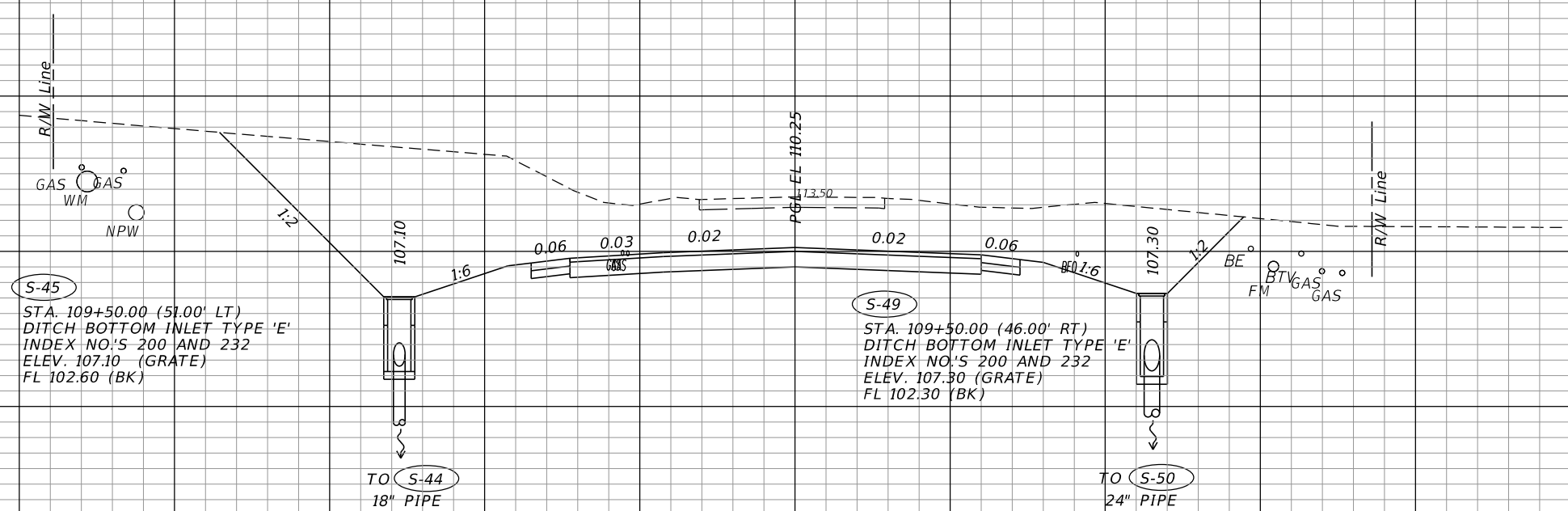
ϕ CONST. ROUND LAKE RD. (S)

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

REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (20) ROUND LAKE RD. S	SHEET NO. 89
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01		

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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S-45
STA. 109+50.00 (51.00' LT)
DITCH BOTTOM INLET TYPE 'E'
INDEX NO.'S 200 AND 232
ELEV. 107.10 (GRATE)
FL 102.60 (BK)

S-49
STA. 109+50.00 (46.00' RT)
DITCH BOTTOM INLET TYPE 'E'
INDEX NO.'S 200 AND 232
ELEV. 107.30 (GRATE)
FL 102.30 (BK)

TO S-44
18" PIPE

TO S-50
24" PIPE

S-49
S-45
109+50.00

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

CONST. ROUND LAKE RD. (N)

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

REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (21) ROUND LAKE RD. (N)	SHEET NO. 90
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01		

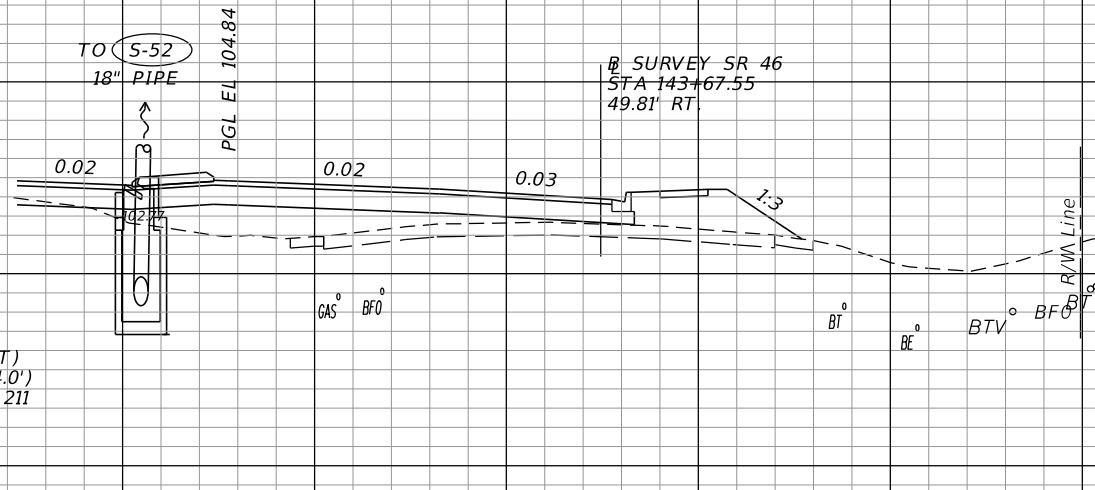
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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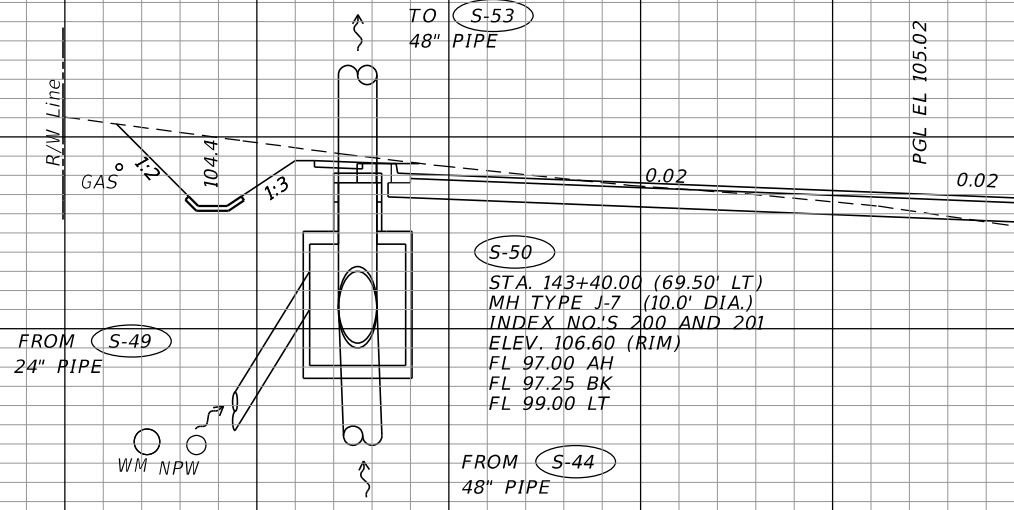
140 120 100 80 60 40 20 0 20 40 60 80 100

GAS
WM NPW



S-51
STA. 143+50.00 (1.00' RT)
INLET TYPE P-5 (4.0'x4.0')
INDEX NO.'S 200 AND 211
EOP EL. 104.50
FL 98.34 AH

S-51
143+50.00



S-50
STA. 143+40.00 (69.50' LT)
MH TYPE J-7 (10.0' DIA.)
INDEX NO.'S 200 AND 201
ELEV. 106.60 (RIM)
FL 97.00 AH
FL 97.25 BK
FL 99.00 LT

S-50
143+40.00

CONST.
SR 46

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

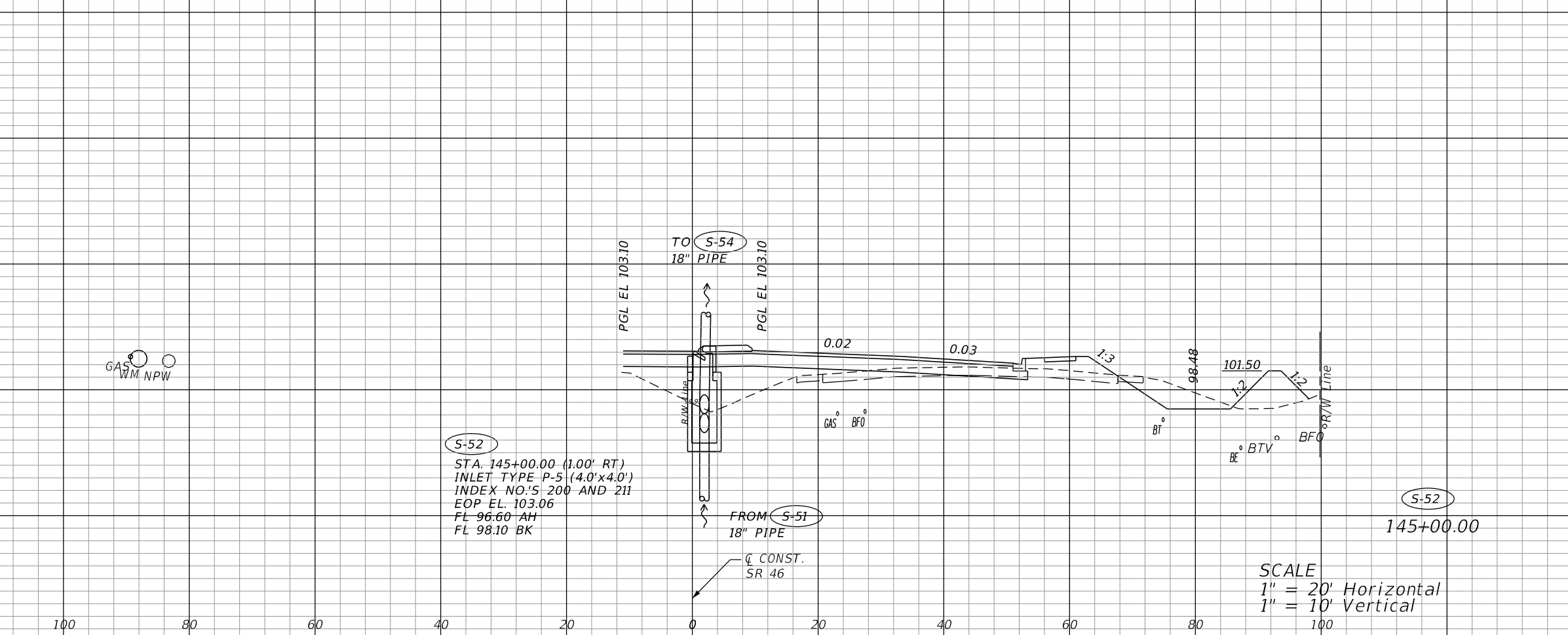
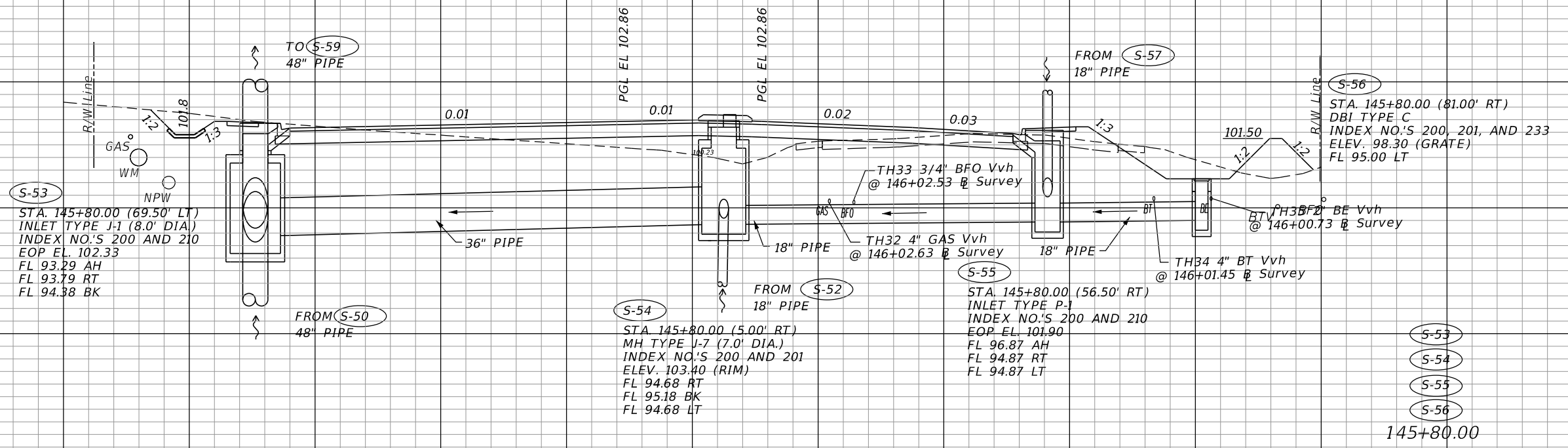
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE STRUCTURES (22)
SR 46

SHEET NO.
91

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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

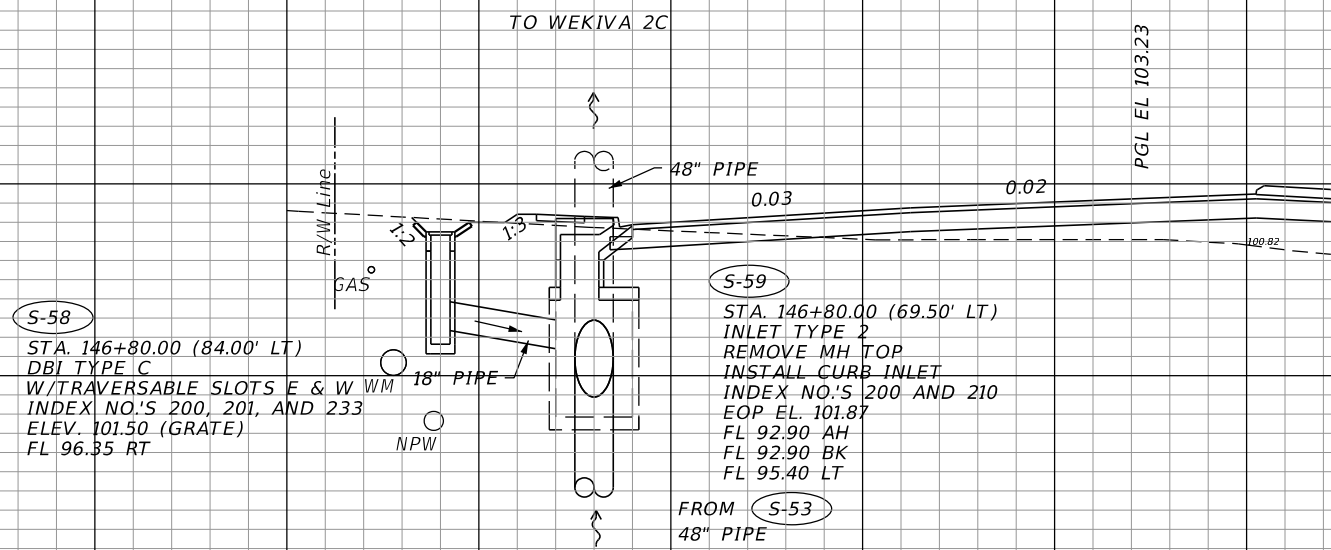
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRAINAGE STRUCTURES (25)
SR 46

SHEET NO.
92

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

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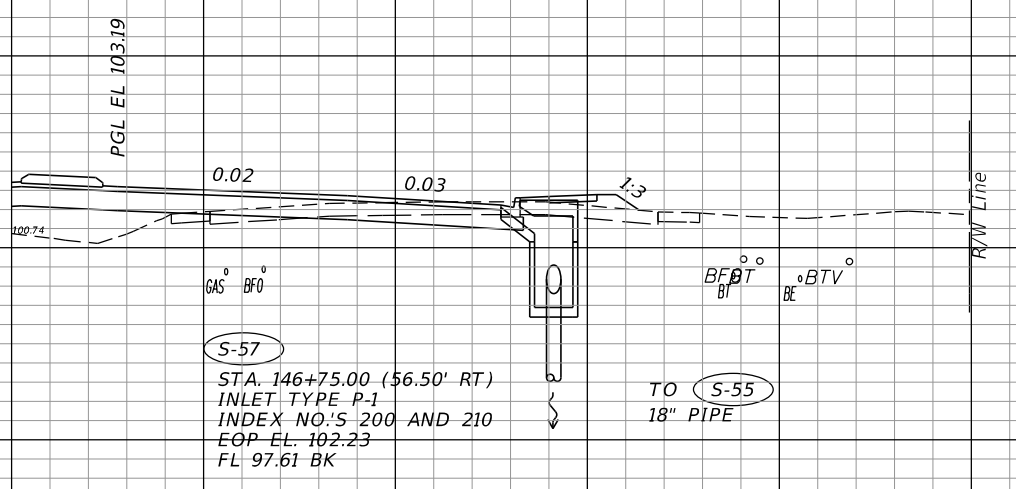


S-58
STA. 146+80.00 (84.00' LT)
DBI TYPE C
W/TRAVERSABLE SLOTS E & W WM
INDEX NO.'S 200, 201, AND 233
ELEV. 101.50 (GRATE)
FL 96.35 RT

S-59
STA. 146+80.00 (69.50' LT)
INLET TYPE 2
REMOVE MH TOP
INSTALL CURB INLET
INDEX NO.'S 200 AND 210
EOP EL. 101.87
FL 92.90 AH
FL 92.90 BK
FL 95.40 LT
FROM **S-53**
48" PIPE

S-58
S-59
146+80.00

112
110
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S-57
STA. 146+75.00 (56.50' RT)
INLET TYPE P-1
INDEX NO.'S 200 AND 210
EOP EL. 102.23
FL 97.61 BK

TO **S-55**
18" PIPE

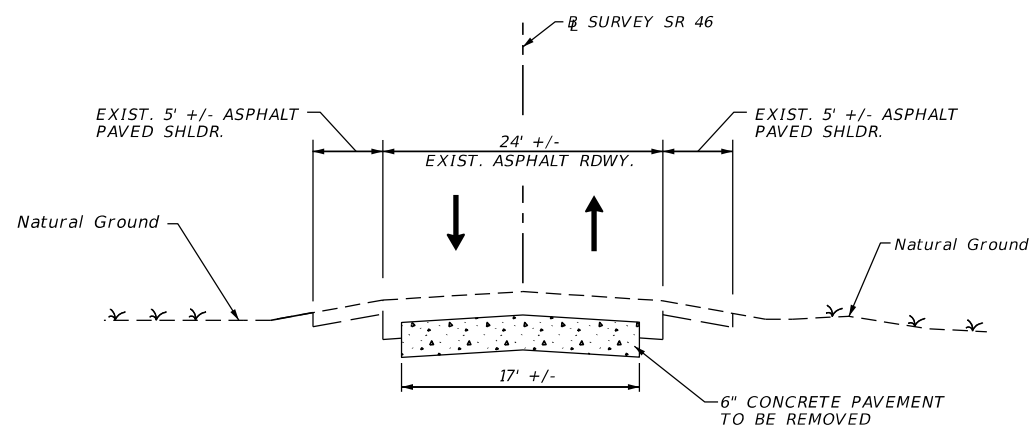
S-57
146+75.00

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

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

REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (24) SR 46	SHEET NO. 93
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01		

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



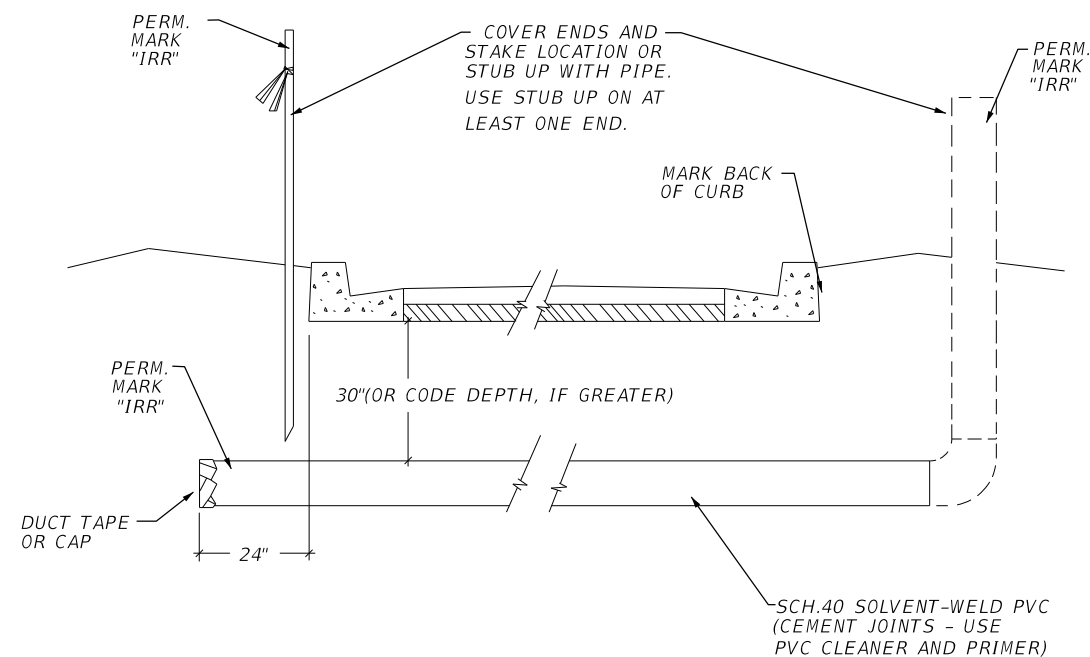
REMOVAL OF EXISTING CONCRETE

STA. 94+00.00 TO STA. 148+82.45

NOTES:

1. EXISTING ASPHALT TO BE REMOVED UNDER PAY ITEM 110-1-1, CLEARING AND GRUBBING.
2. EXISTING CONCRETE PAVEMENT TO BE REMOVED UNDER PAY ITEM 110-4, REMOVAL OF EXISTING CONCRETE PAVEMENT.
3. LOCATIONS AND DIMENSIONS OF EXISTING CONCRETE PAVEMENT ARE APPROXIMATE AND ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND ARE FOR INFORMATIONAL PURPOSES ONLY.
4. FOR CONCRETE PAVEMENT REMOVAL QUANTITIES, SEE SUMMARY OF QUANTITIES/SUMMARY OF REMOVAL ITEMS.

NOTE: ALTERNATIVE MATERIALS, SUCH AS C-900 PVC, HDPE, OR DUCTILE IRON PIPE WILL ALSO BE CONSIDERED, IF PROPERLY SUBMITTED FOR APPROVAL.



SLEEVING DETAIL

NTS
(ONLY HDPE BORINGS TO BE USED WHERE REPAVING NOT PLANNED)

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 94
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-3-52-01	

DATE OF SURVEY: FEBRUARY AND MARCH 2014
 SURVEY MADE BY: T. ROBINSON, R. ROBINSON, D. VANDERPOL
 SUBMITTED BY: DANIEL C. STANFILL, P.E.

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 MATERIALS AND RESEARCH

DISTRICT: 5
 ROAD NO.: 46
 COUNTY: LAKE

FINANCIAL PROJECT ID : 238275-3-52-01

PROJECT NAME: SR 46 FROM EAST OF VISTA VIEW LANE TO
 EAST OF ROUND LAKE ROAD

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SR 46 BEGIN STA. : 94+00 END STA. : 149+00
 ROUND LAKE ROAD BEGIN STA. : 100+00 END STA. : 119+00

STATIONS REFERENCE: CENTERLINE OF CONSTRUCTION

STRATUM NO.	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)					ATTERBERG LIMITS (%)				AASHTO GROUP	DESCRIPTION	CORROSION TEST RESULTS				
			NO. OF TESTS	MOISTURE CONTENT	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	RESISTIVITY ohm-cm			CHLORIDE ppm	SULFATES ppm	pH		
1	0	-	0	-	53	100	76-95	45-74	11-36	1-9	0	-	-	A-3	LIGHT BROWN TO DARK BROWN TO GRAY TO ORANGE FINE SAND TO FINE SAND WITH SILT, OCCASIONAL TRACE ORGANIC MATERIAL	7	12,000-68,000	30-45	<5-65	5.5-8.2
2	0	-	5	11-17	29	100	69-96	33-89	14-62	11-32	5	NP	NP	A-2-4	LIGHT BROWN TO DARK BROWN TO GRAY TO ORANGE FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE CLAY	6	16,000-47,000	30-45	39-45	5.0-6.8
3	0	-	1	16	1	100	97	86	73	36	1	33	16	A-2-6, A-6, A-7-6	LIGHT BROWN TO GRAY TO ORANGE CLAYEY FINE SAND TO SANDY CLAY	-	-	-	-	-
4	0	-	0	-	0	-	-	-	-	-	0	-	-	A-8	DARK BROWN MUCKY FINE SAND TO MUCK	-	-	-	-	-
5	0	-	0	-	0	-	-	-	-	-	0	-	-	A-3, A-2-4	DARK BROWN TO BROWN SLIGHTLY CEMENTED TO CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND (HARDPAN)	-	-	-	-	-
6	0	-	0	-	0	-	-	-	-	-	0	-	-	A-7-6	LIGHT GRAY SANDY CLAY	-	-	-	-	-
7	0	-	0	-	0	-	-	-	-	-	0	-	-	-	LIMEROCK	-	-	-	-	-

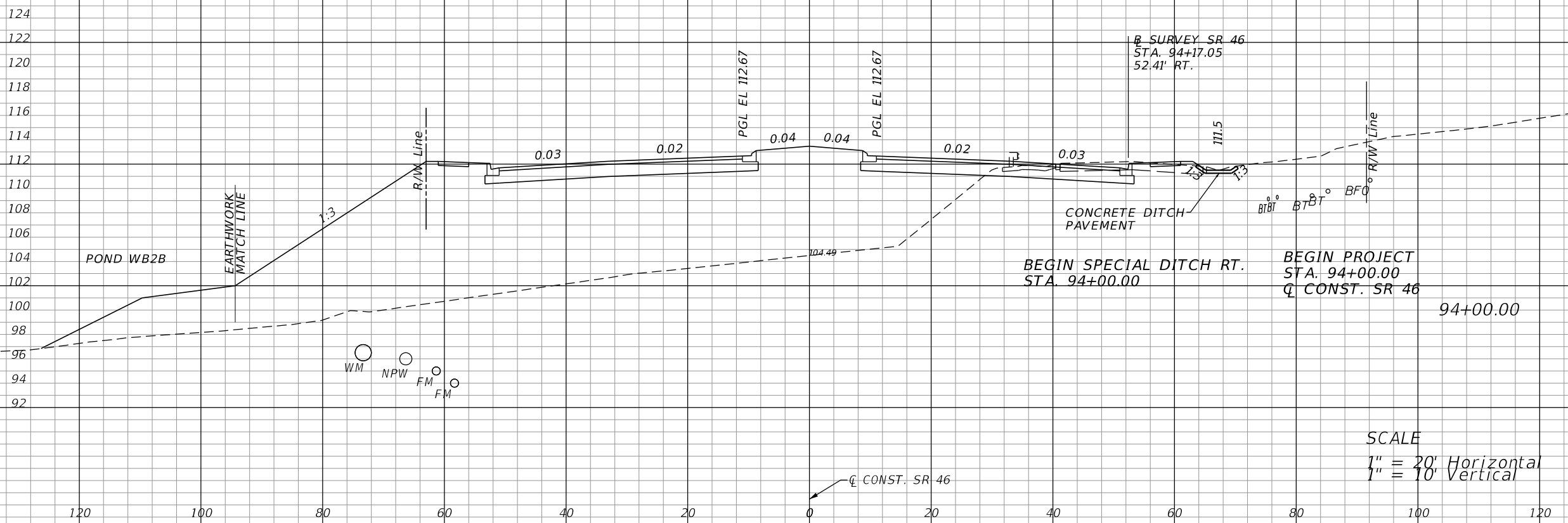
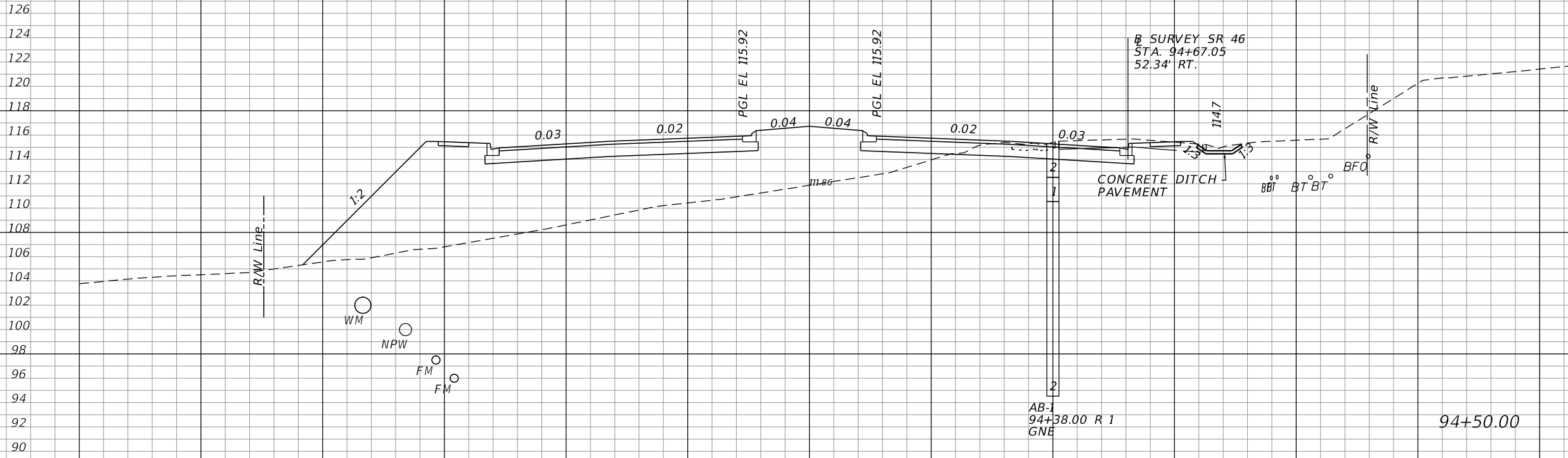
NOTES

- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. ANY STRATUM CONNECTING LINES THAT ARE SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN ARTICLE 2-4 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE ARTICLE 120-3.
- WATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". ESTIMATED SEASONAL HIGH SHOWN AS ▽.
- REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX NO. 500 OF THE FDOT DESIGN STANDARDS UNLESS OTHERWISE SHOWN ON PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDEX NO. 505 OF THE FDOT DESIGN STANDARDS.
- SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AND POND SITING BORINGS.
- THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
- THE SYMBOL "NP" REPRESENTS NON-PLASTIC.
- THE SOIL STRATA NUMBERS AND DESCRIPTIONS ARE BASED ON THE WEKIVA PARKWAY LINE AND GRADE STUDY. ONLY STRATA 1, 2, 3 AND 7 WERE ENCOUNTERED FOR THIS SOIL SURVEY.
- STRATA 1 AND 2 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH INDEX NO. 505.
- STRATUM 3 SHALL BE TREATED AS PLASTIC (P) MATERIAL IN ACCORDANCE WITH INDEX NO. 505.
- STRATUM 4 SHALL BE TREATED AS MUCK (M) MATERIAL IN ACCORDANCE WITH INDEX NO. 505.
- STRATUM 5 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH INDEX NO. 505.
- STRATUM 6 SHALL BE TREATED AS HIGH PLASTIC (H) MATERIAL IN ACCORDANCE WITH INDEX NO. 505.
- STRATA 2 AND 5 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
- STRATA 5 AND 7 MAY BE DIFFICULT TO EXCAVATE AND/OR PENETRATE AND MAY REQUIRE SPECIAL EQUIPMENT AND/OR PROCEDURES TO FACILITATE EXCAVATION AND/OR PENETRATION. THE MATERIAL FROM THIS STRATUM MAY NEED TO BE PULVERIZED PRIOR TO USE AS FILL.

FIGURE 2

REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. (GEC) 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL, P.E. NO. 42763	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL SURVEY	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		95

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

Regular		Exc.		Embankment	
A	V	A	V	A	V
41				505	
	66				1368
30				972	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

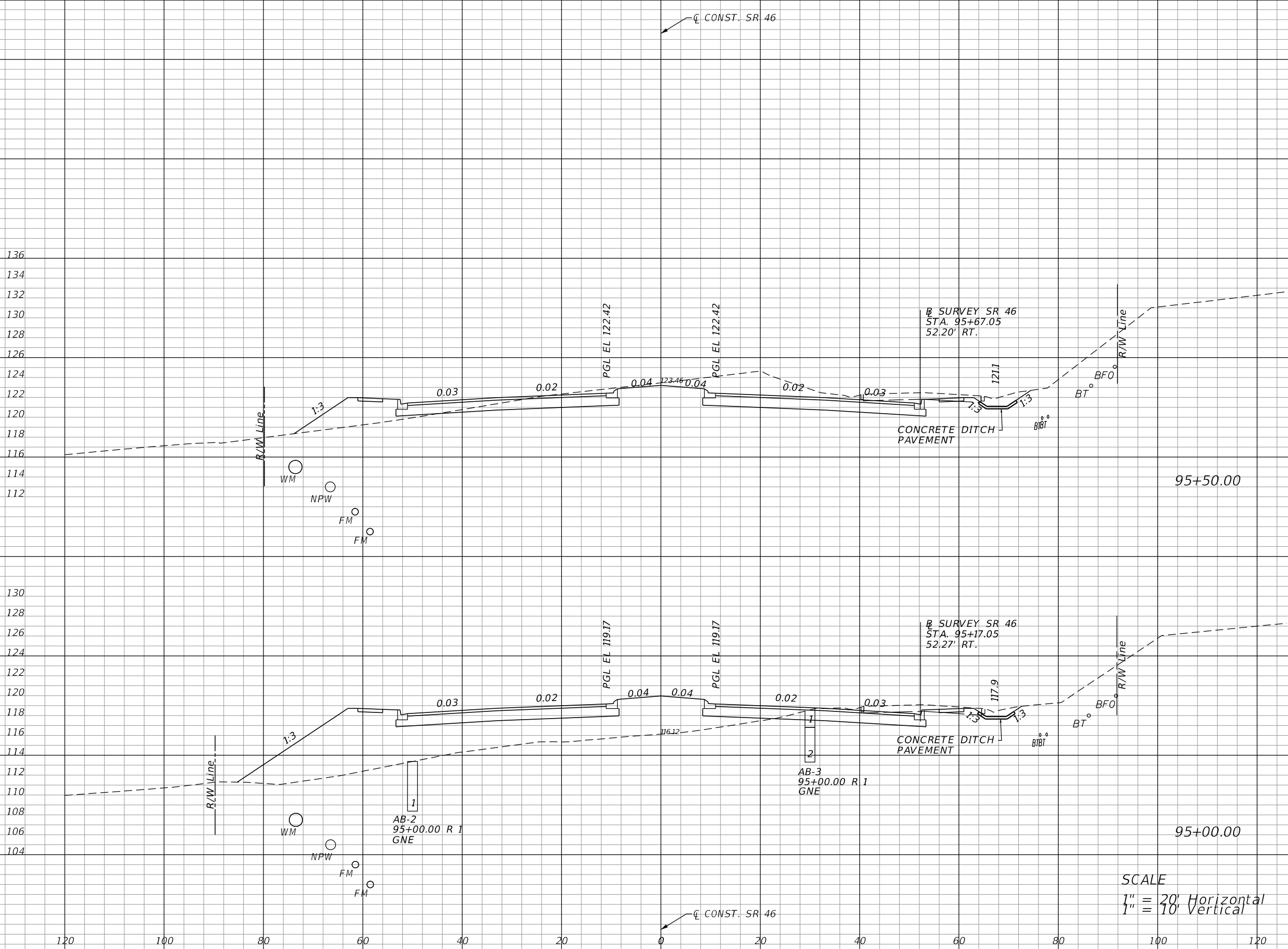
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (1)
SR 46

SHEET NO.
 96

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
153				61	
	186				383
48				353	
	82				794

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

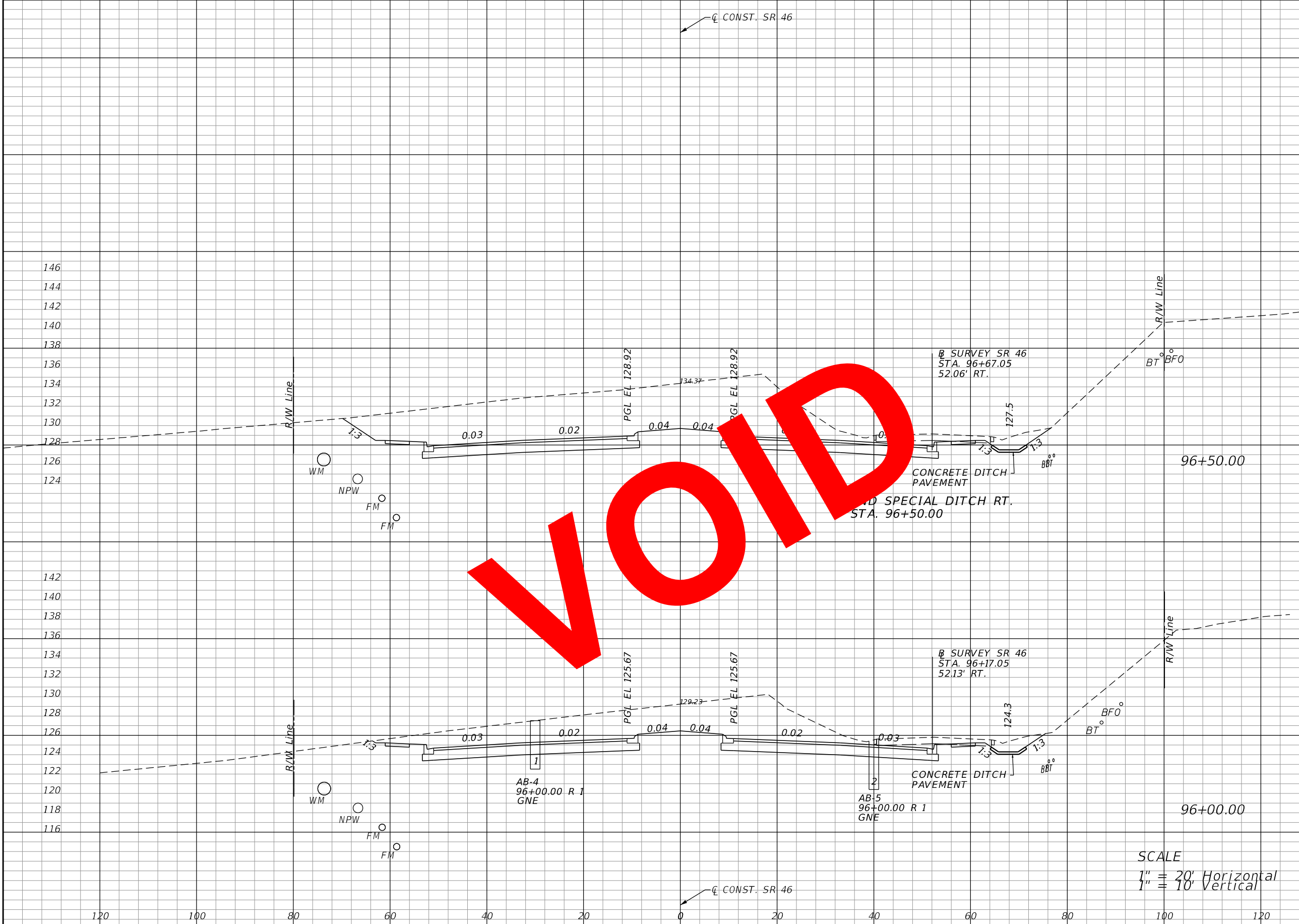
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (2)
SR 46

SHEET NO.
 97

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
558		20			
	854		37		
365		20			
	480		75		

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

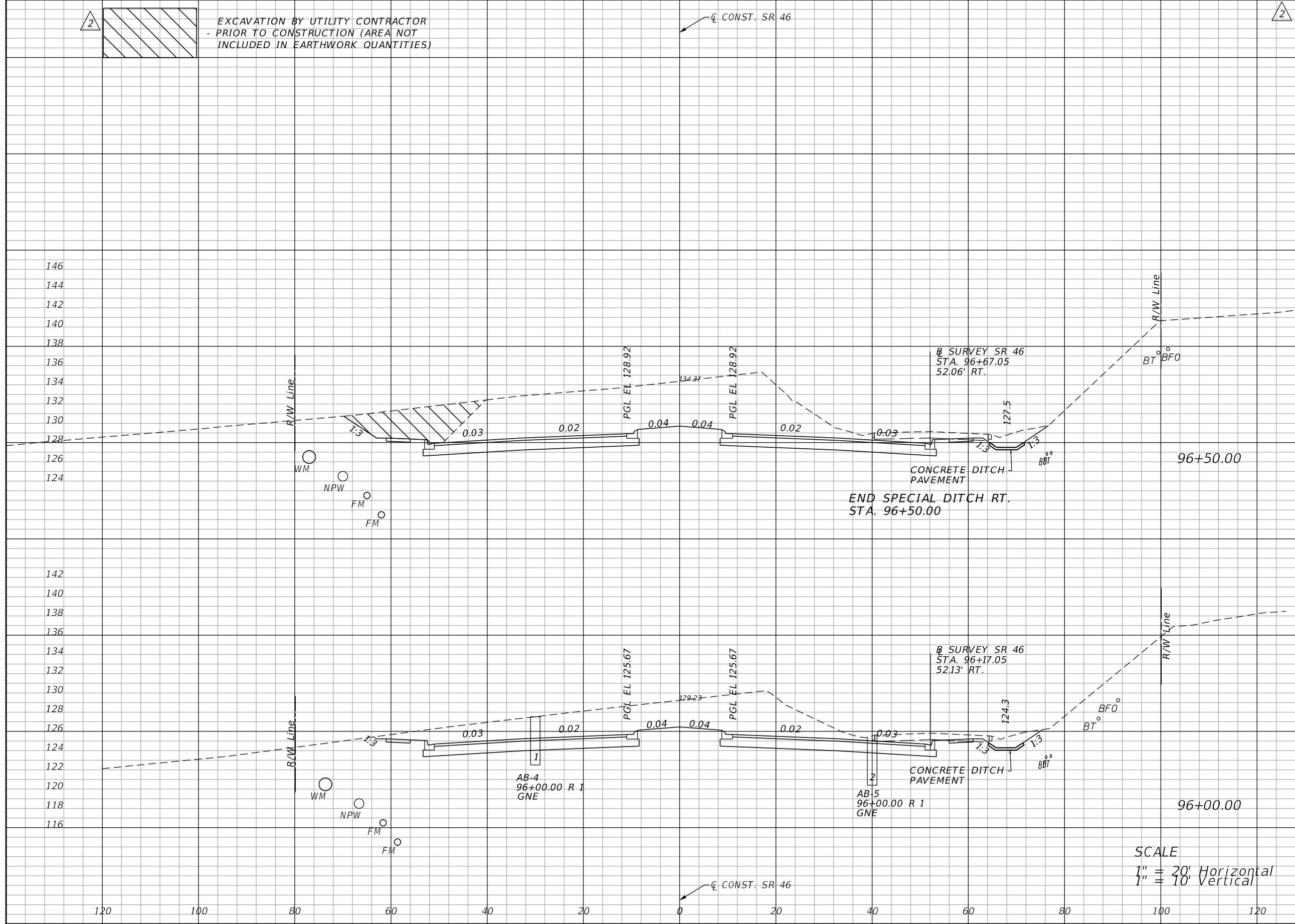
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (3)
SR 46

SHEET NO.
98

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
507				20	
	825				37
365				20	
	480				75



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

SURVEY SR 46
STA. 96+67.05
52.06' RT.

SURVEY SR 46
STA. 96+17.05
52.13' RT.

END SPECIAL DITCH RT.
STA. 96+50.00

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

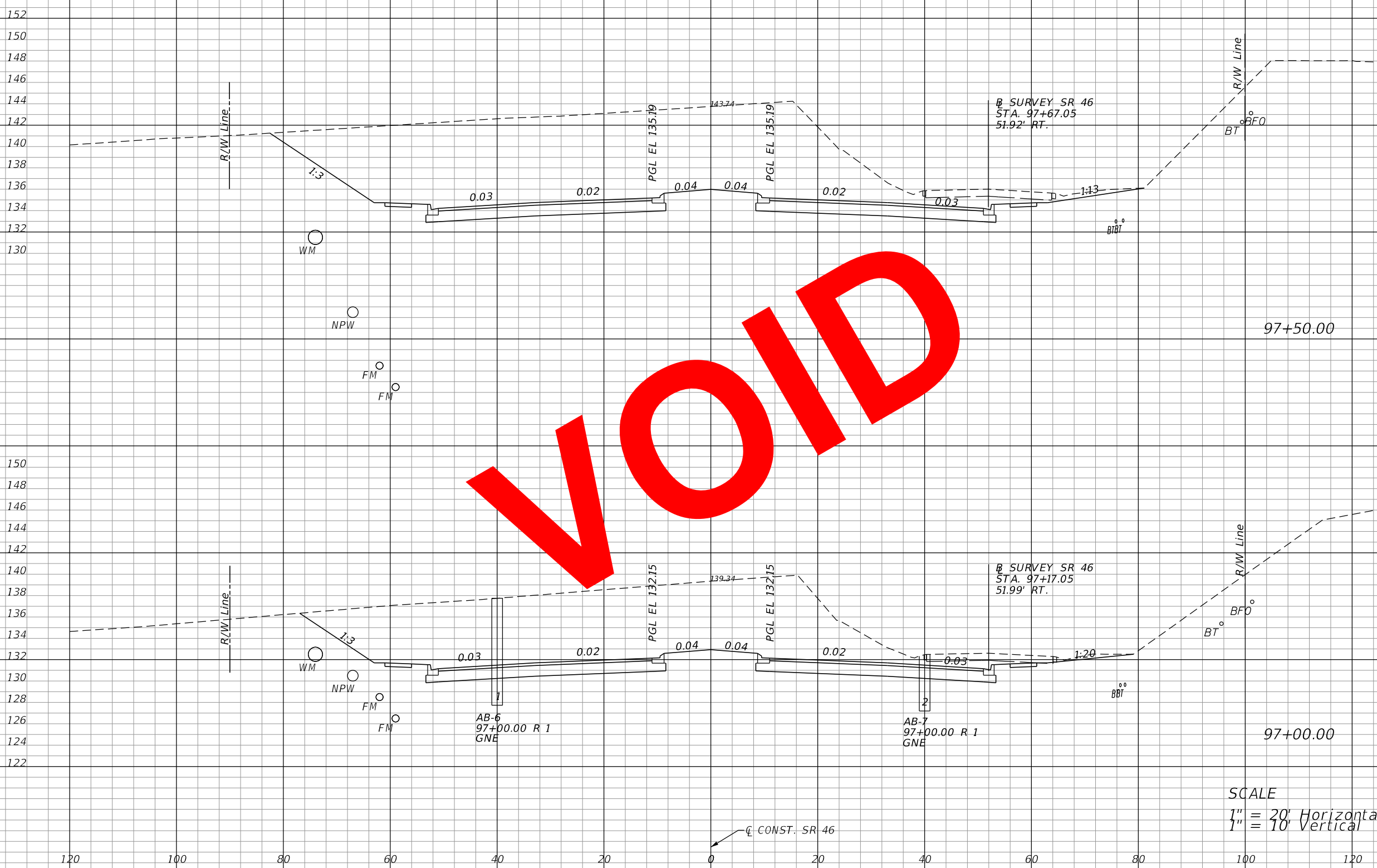
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (3)
SR 46

SHEET NO.
98

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

VOID



Regular		Exc.		Embankment	
A	V	A	V	A	V
932			20		
	1553			37	
745			20		
	1206			37	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

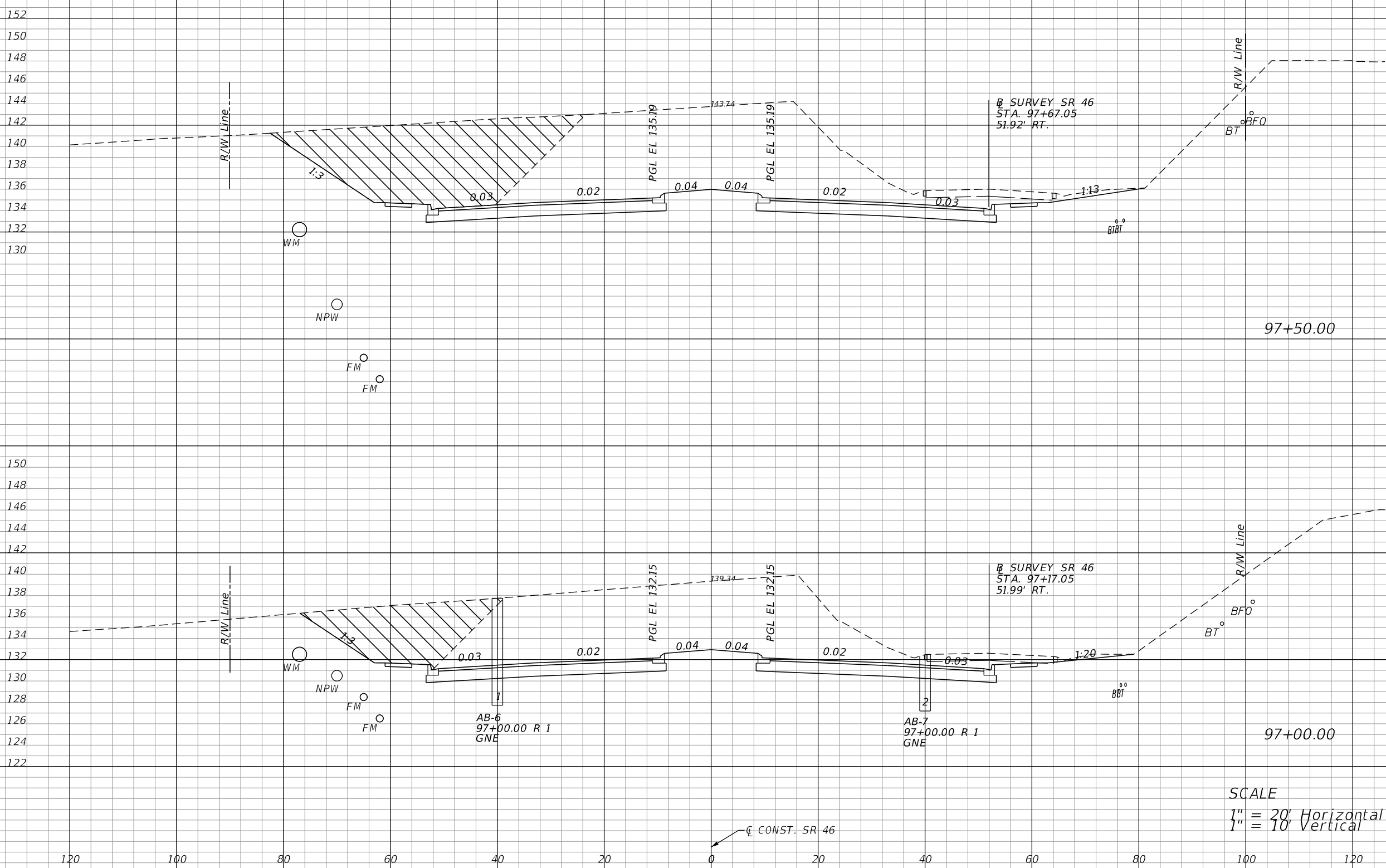
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (4)		SHEET NO.
SR 46		99

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
640			20	20	
	1172				37
626			20	20	
	1049				37



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

SURVEY SR 46
STA. 97+67.05
51.92' RT.

SURVEY SR 46
STA. 97+17.05
51.99' RT.

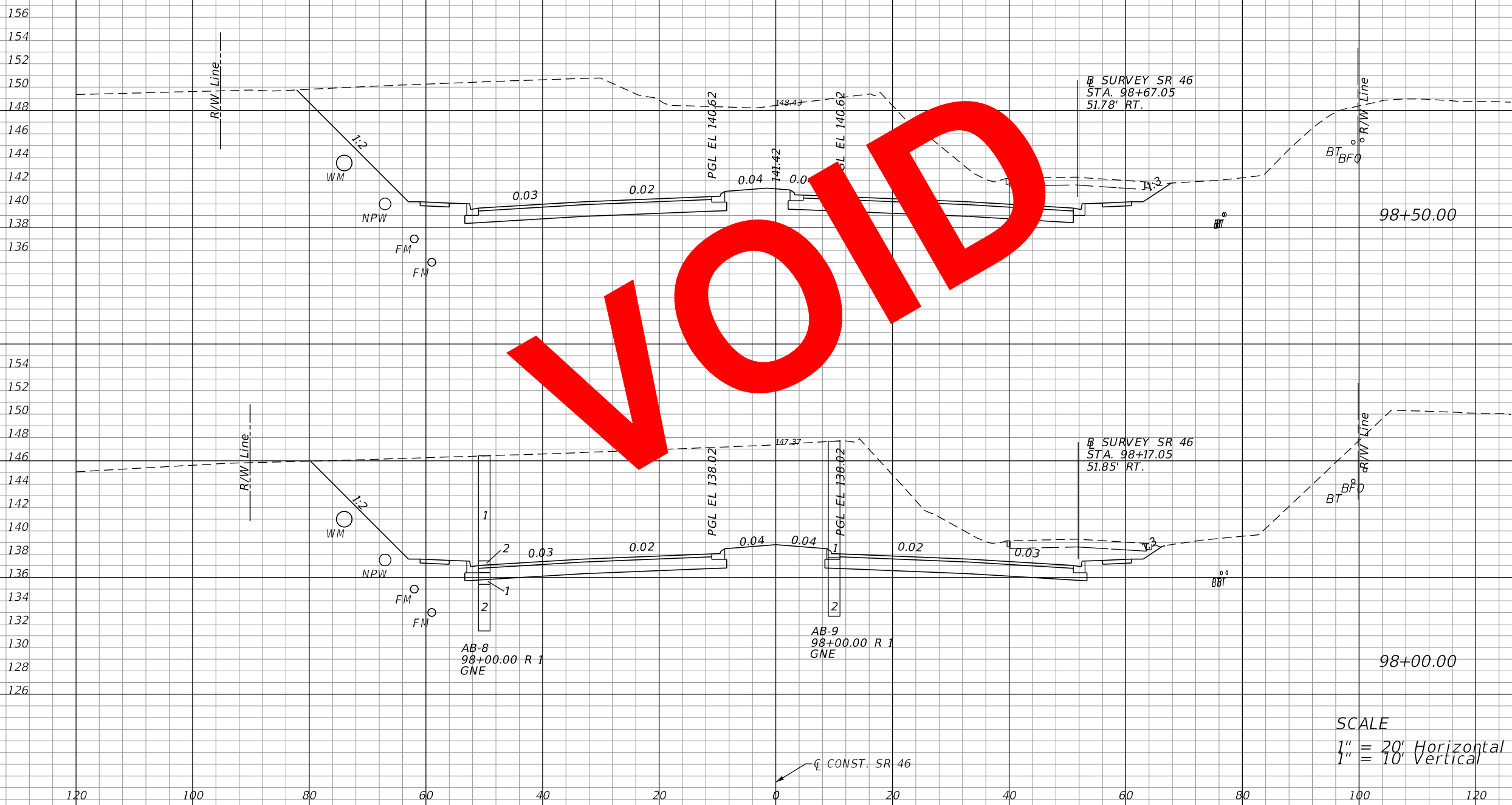
CONST. SR 46

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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (4) SR 46	SHEET NO. 99
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
06-01-17	2 REVISED EXISTING GROUND			46	LAKE	238275-3-52-01			

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

VOID



Regular		Exc.		Embankment	
A	V	A	V	A	V
1100				22	
	1962				39
1046				20	
	1814				37

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

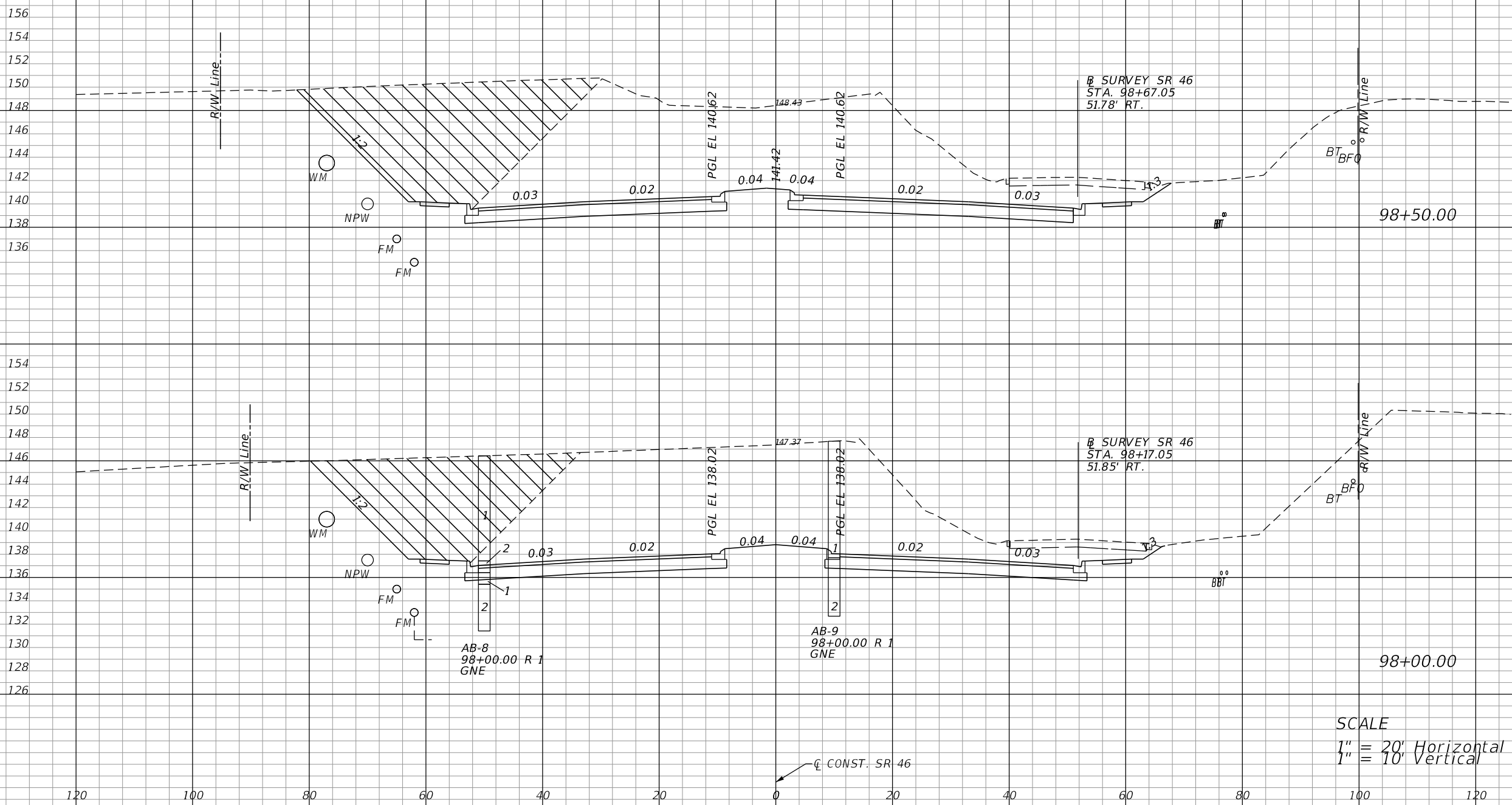
CROSS SECTIONS (5) SR 46		SHEET NO.
		100

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
783			1462	22	39
795			1329	20	37

EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

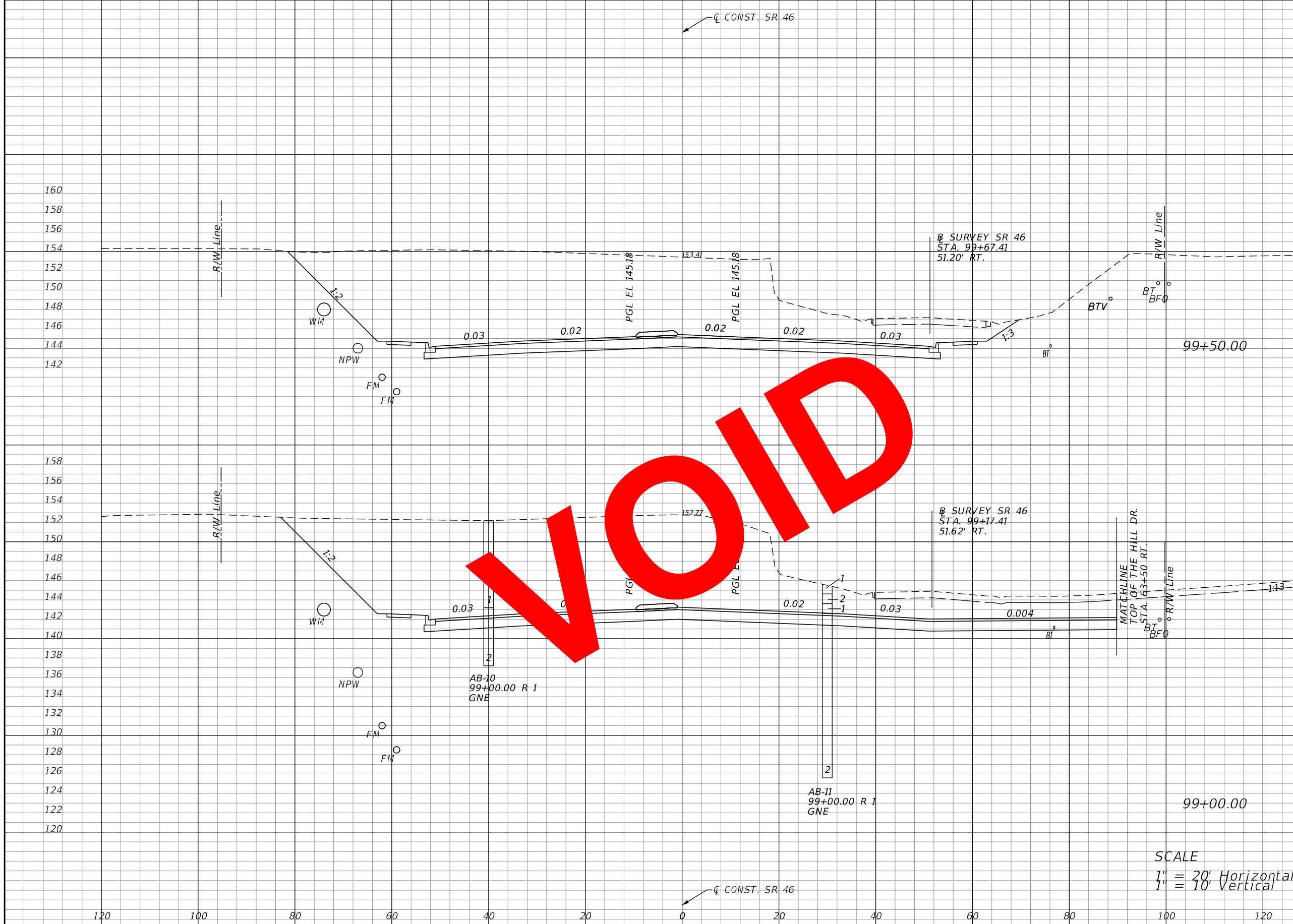
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (5)
SR 46

SHEET NO.
100

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
1058			25		
	2094			55	
1215			35		
		2133			52

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

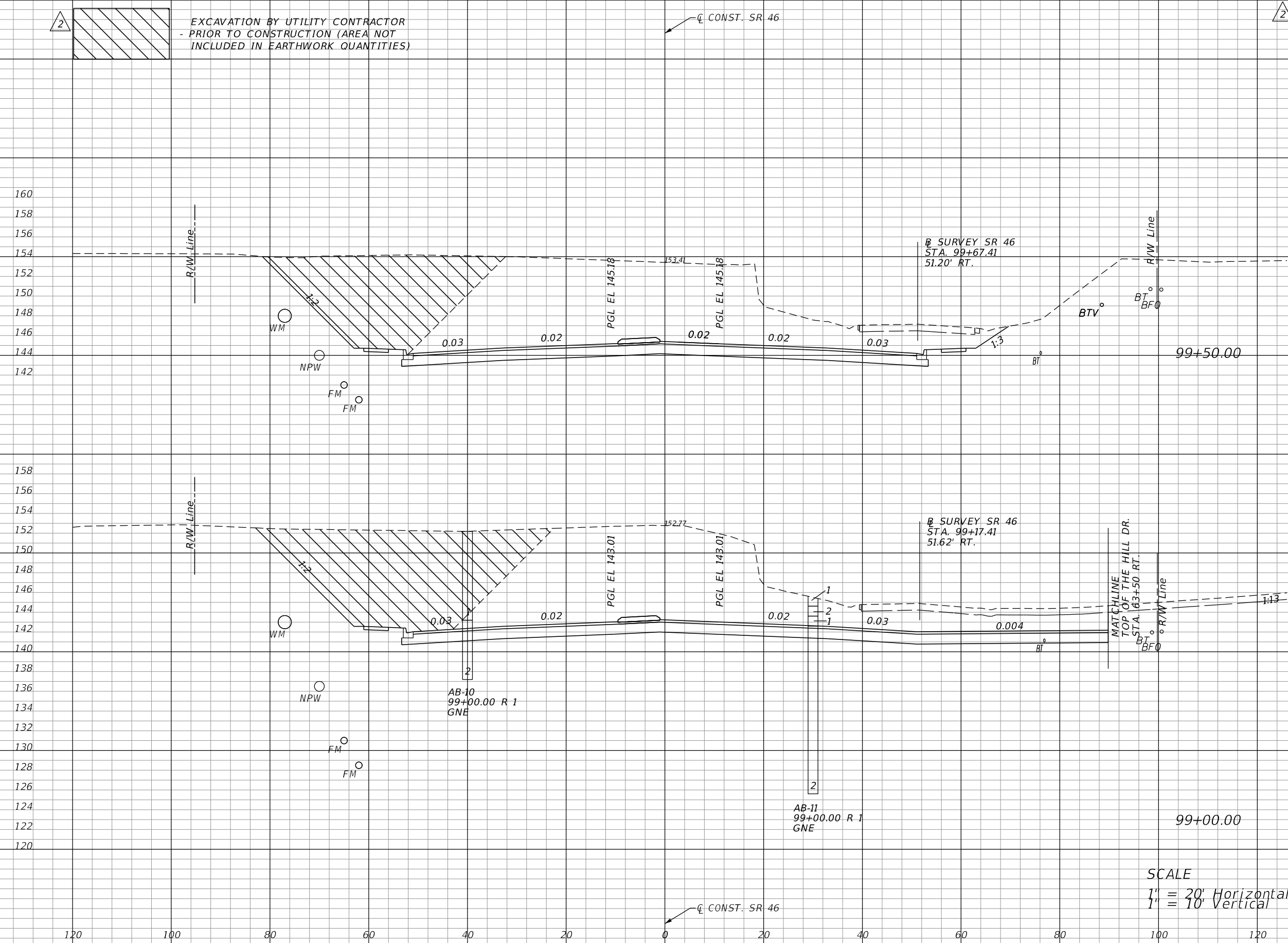
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (6)
SR 46

SHEET NO.
 101

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
785				25	
	1513				55
849				35	
	1511				52



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

SURVEY SR 46
STA. 99+67.41
51.20' RT.

SURVEY SR 46
STA. 99+17.41
51.62' RT.

AB-10
99+00.00 R 1
GNE

AB-11
99+00.00 R 1
GNE

MATCHLINE
TOP OF THE HILL DR.
STA. 63+50 RT.

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

CONST. SR 46

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

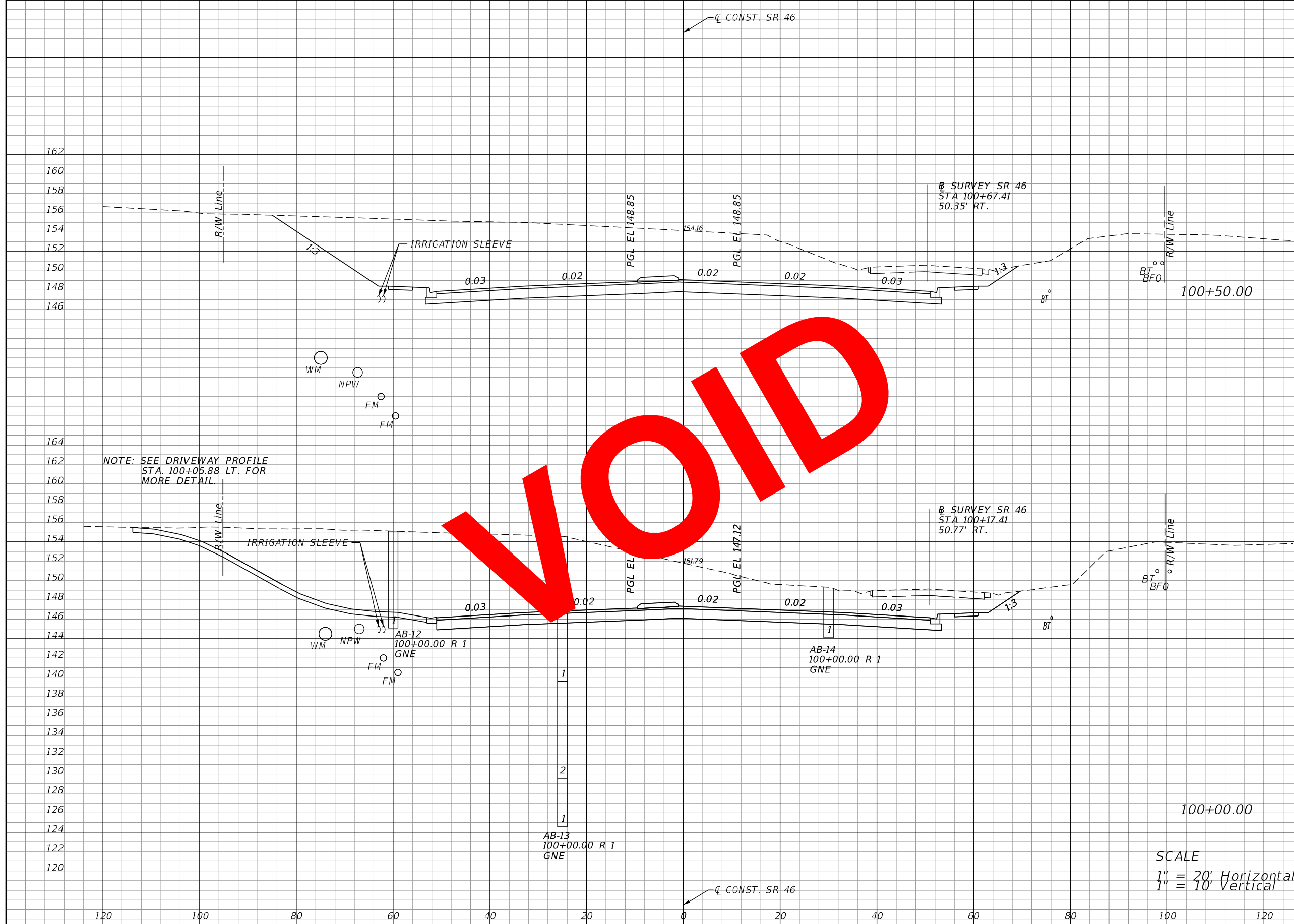
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (6)
SR 46

SHEET NO.
101

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
802			25		
	1677				46
1032			25		
					46
		1906			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

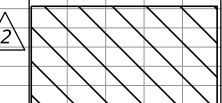
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (7)
SR 46

SHEET NO.
102

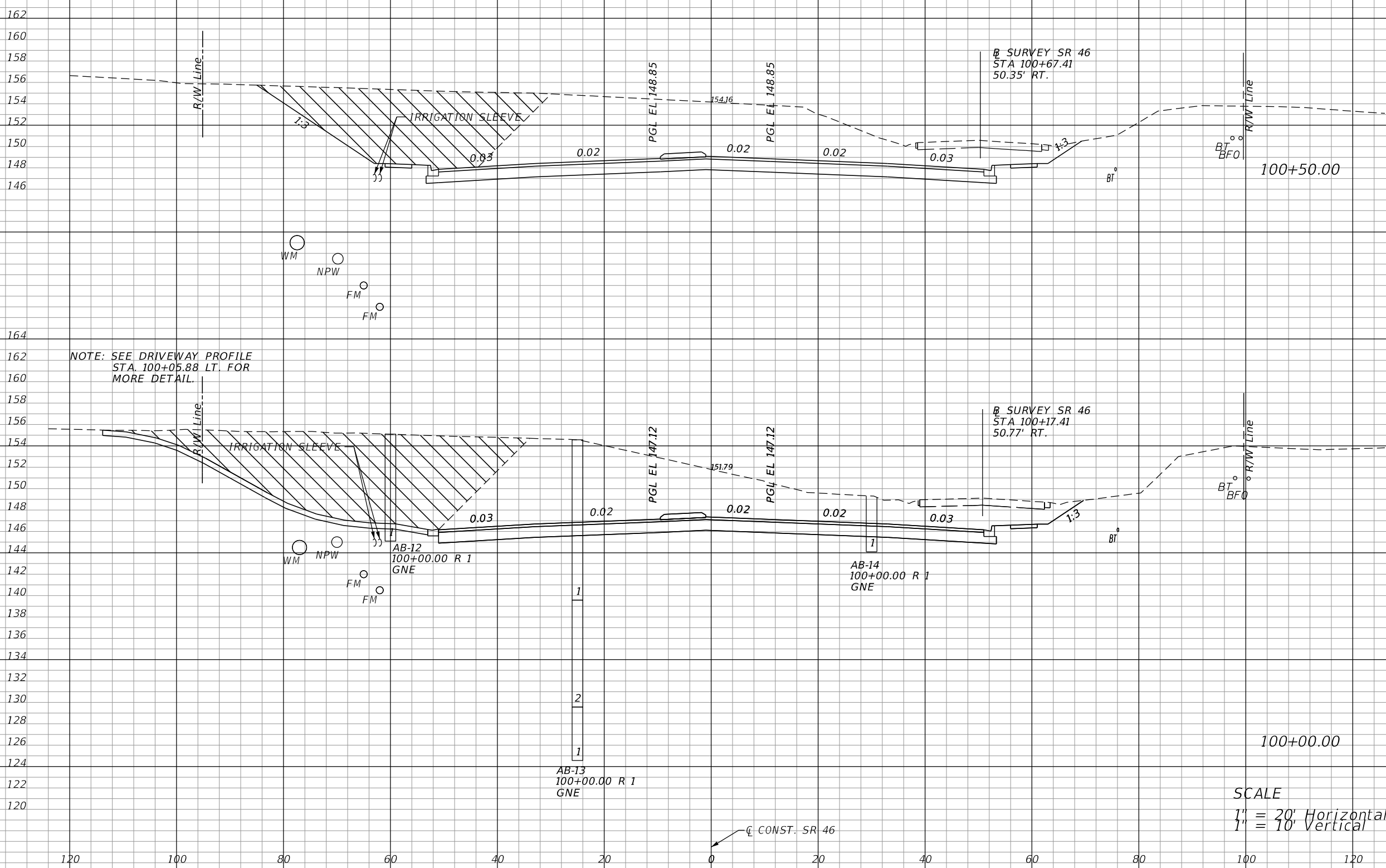
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Regular		Exc.		Embankment	
A	V	A	V	A	V
565				25	
	1116				46
640				25	
	1320				46



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CL CONST. SR 46



NOTE: SEE DRIVEWAY PROFILE
STA. 100+05.88 LT. FOR
MORE DETAIL.

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

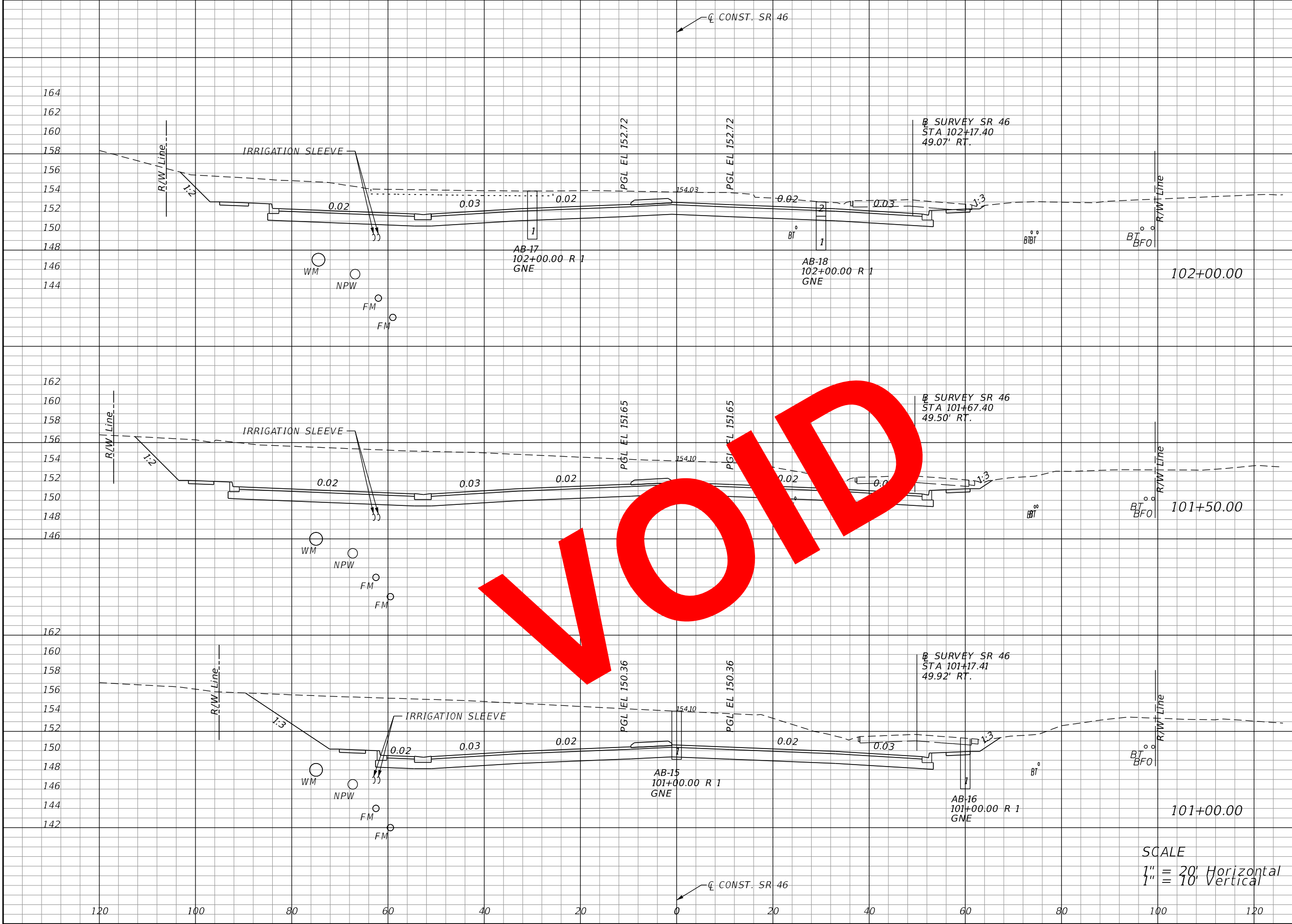
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (7)
SR 46

SHEET NO.
102

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
424			33		
	1018				62
675			35		
	1259				57
685			26		
	1377				48

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

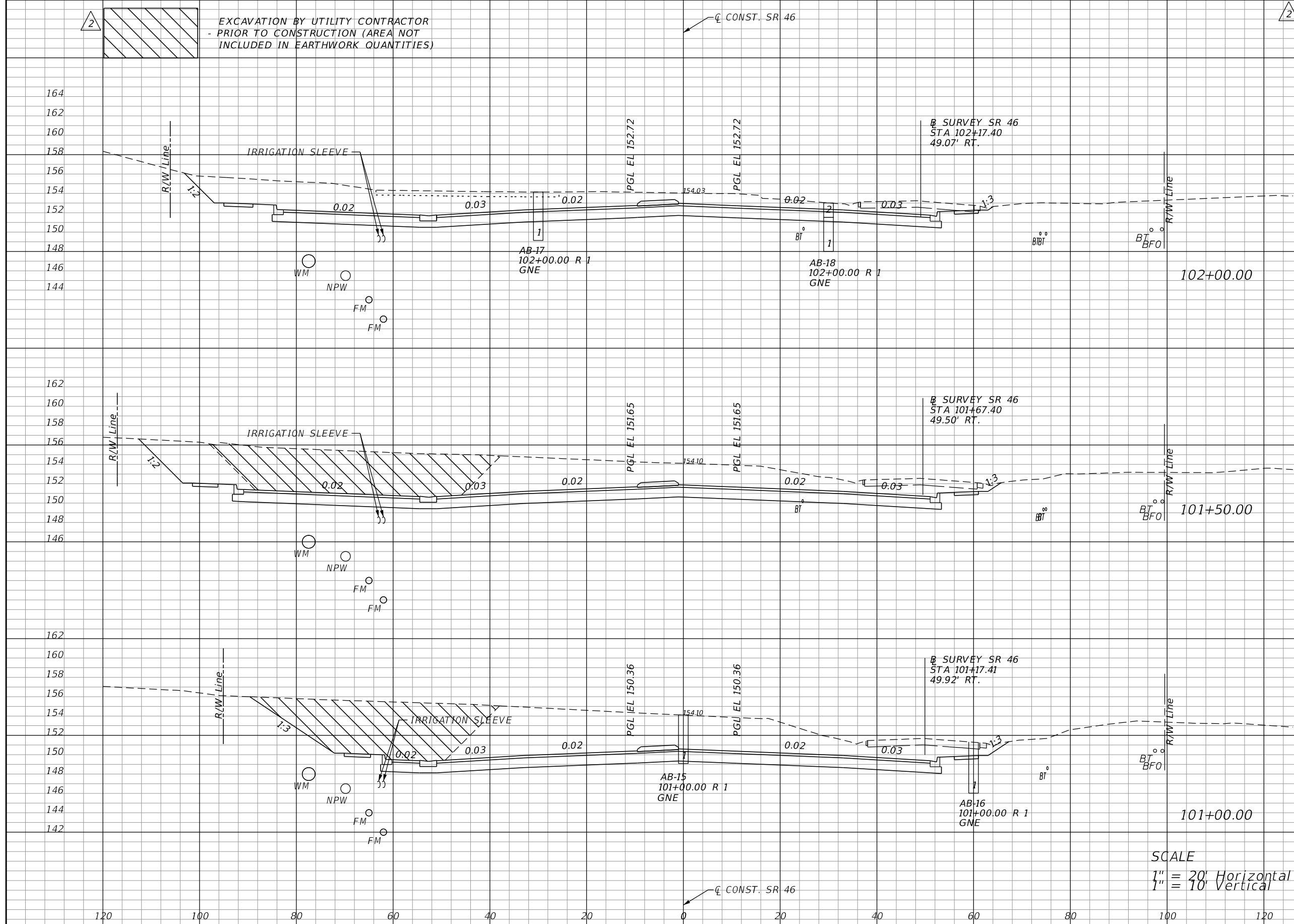
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (8)
SR 46

SHEET NO.
 103

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
424	840	33	63		
483	909	35	57		
499	985	26	48		



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

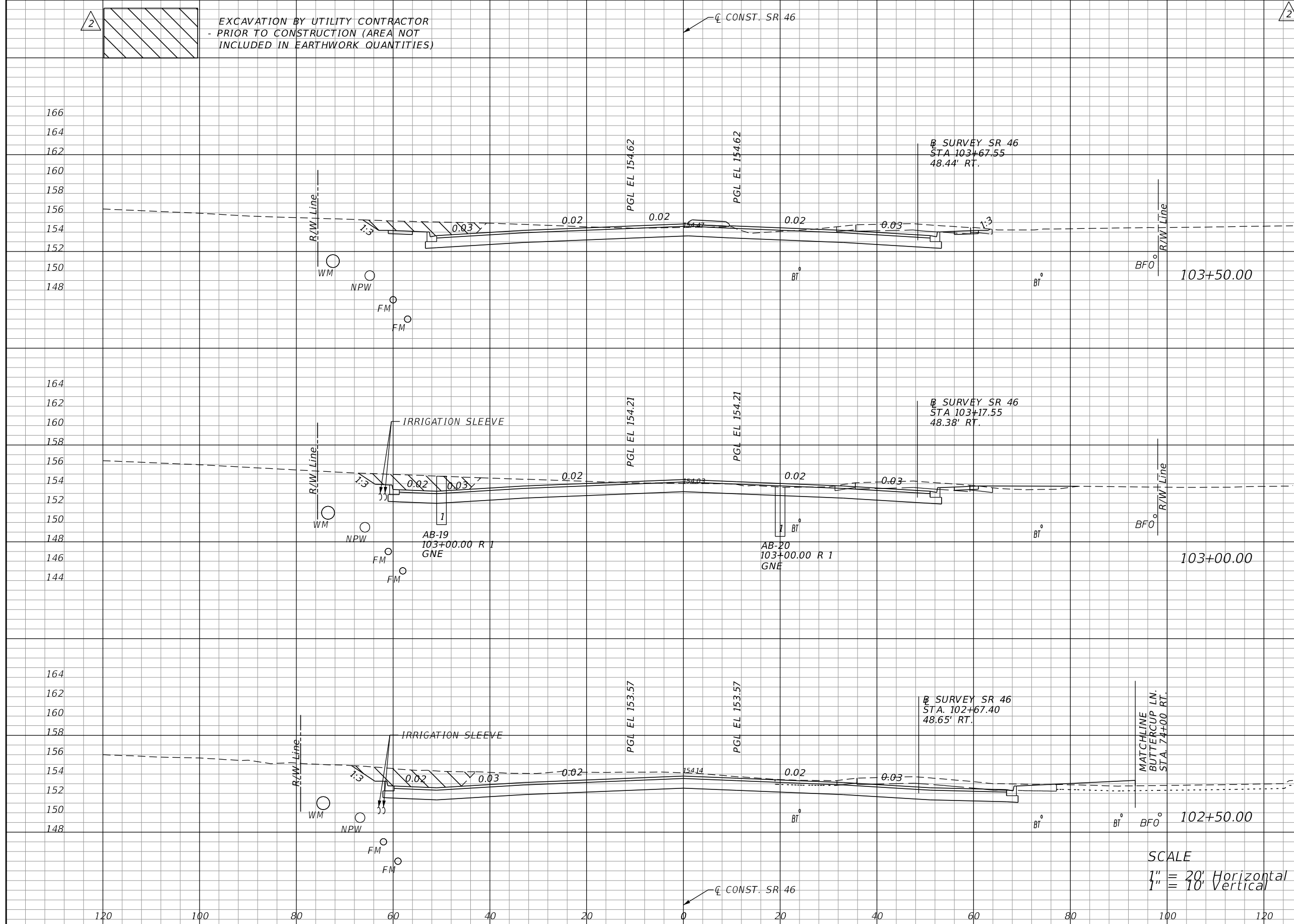
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (8)
SR 46

SHEET NO.
103

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
159				25	
	299				53
164				33	
	370				65
235				37	
	610				65



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

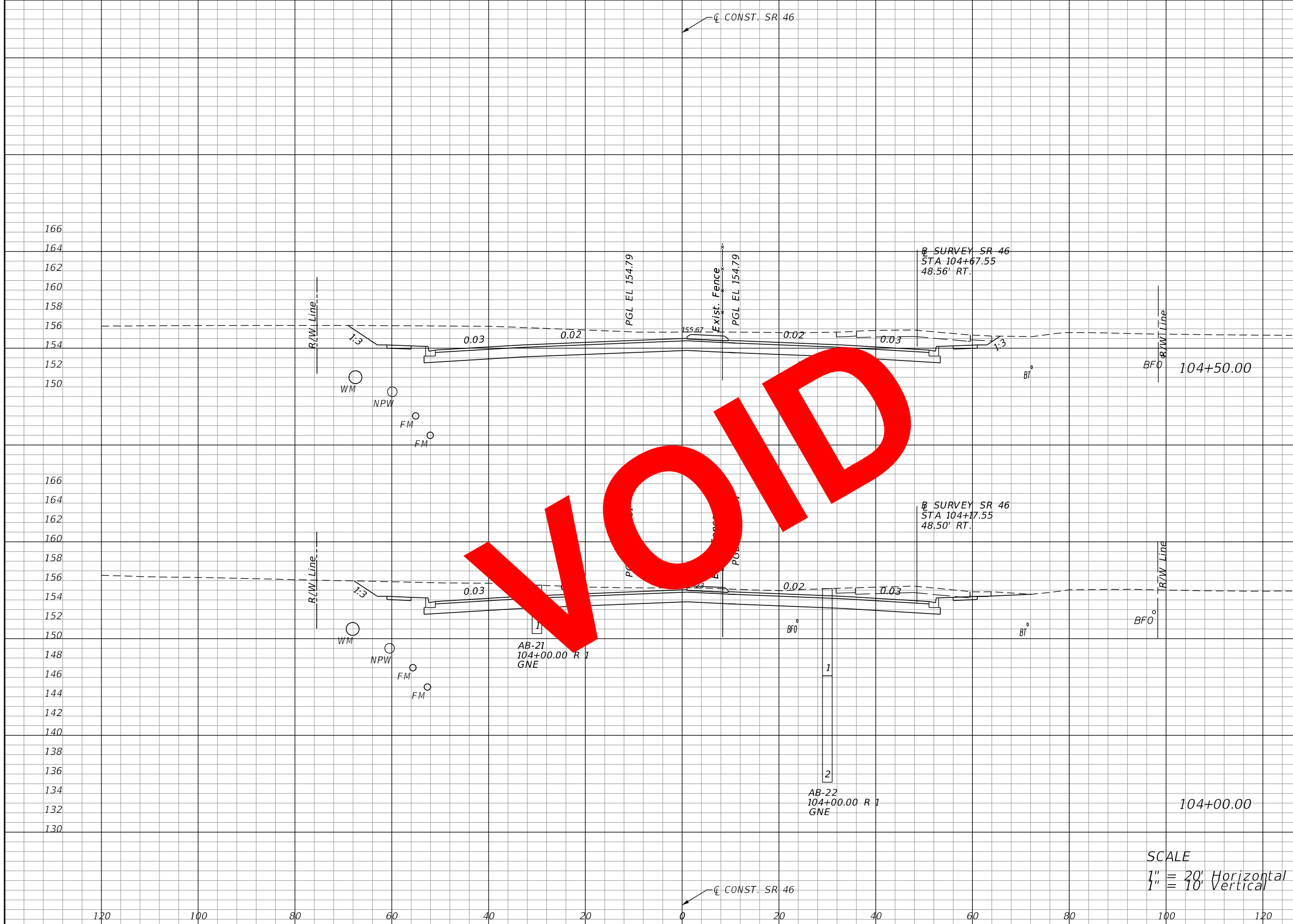
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (9)
SR 46

SHEET NO.
 104

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
300				25	
	492				46
231				25	
		370			46

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

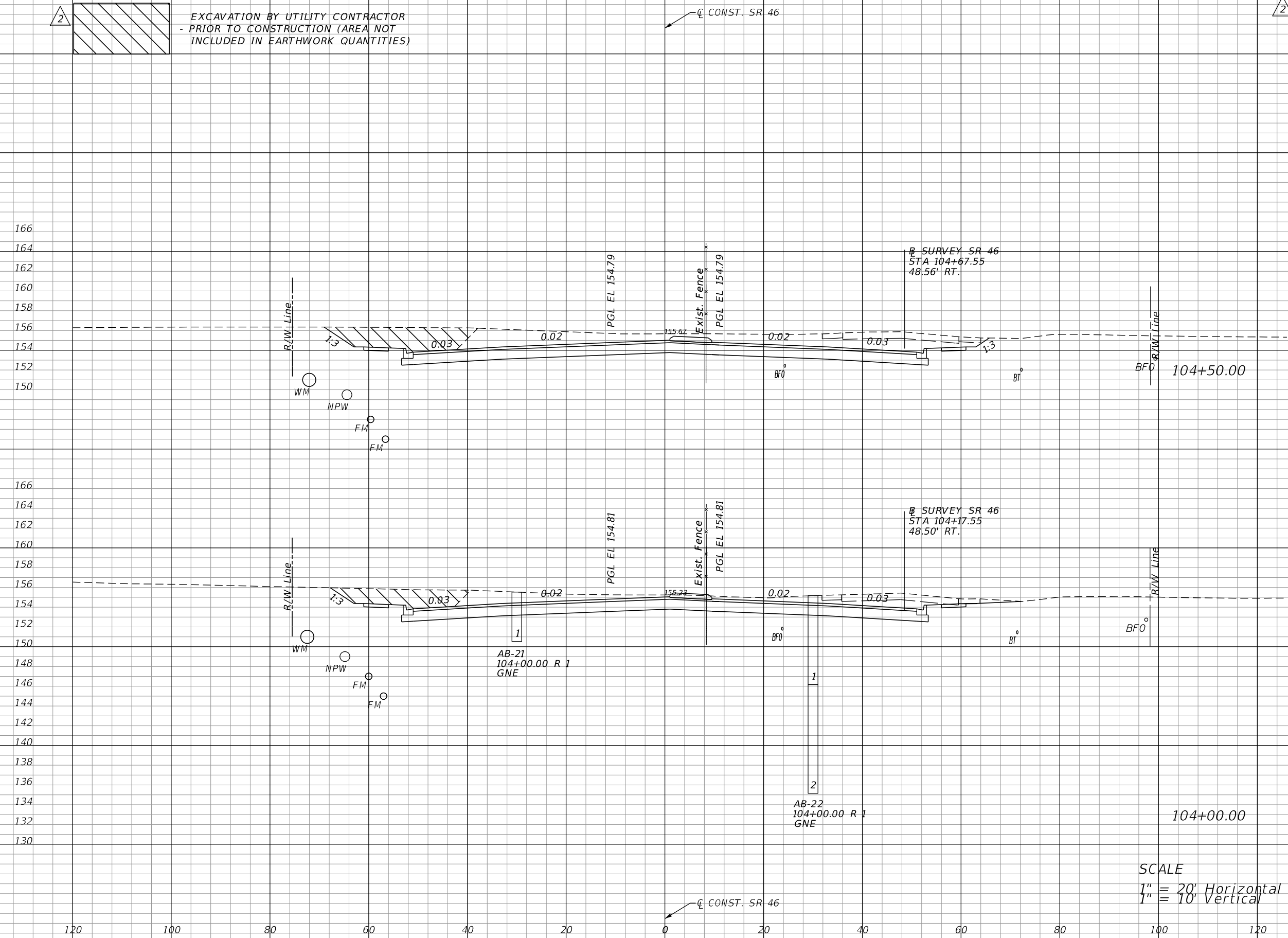
CROSS SECTIONS (10)
SR 46

SHEET NO.
 105

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
268		448		25	46
215		347		25	46

EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

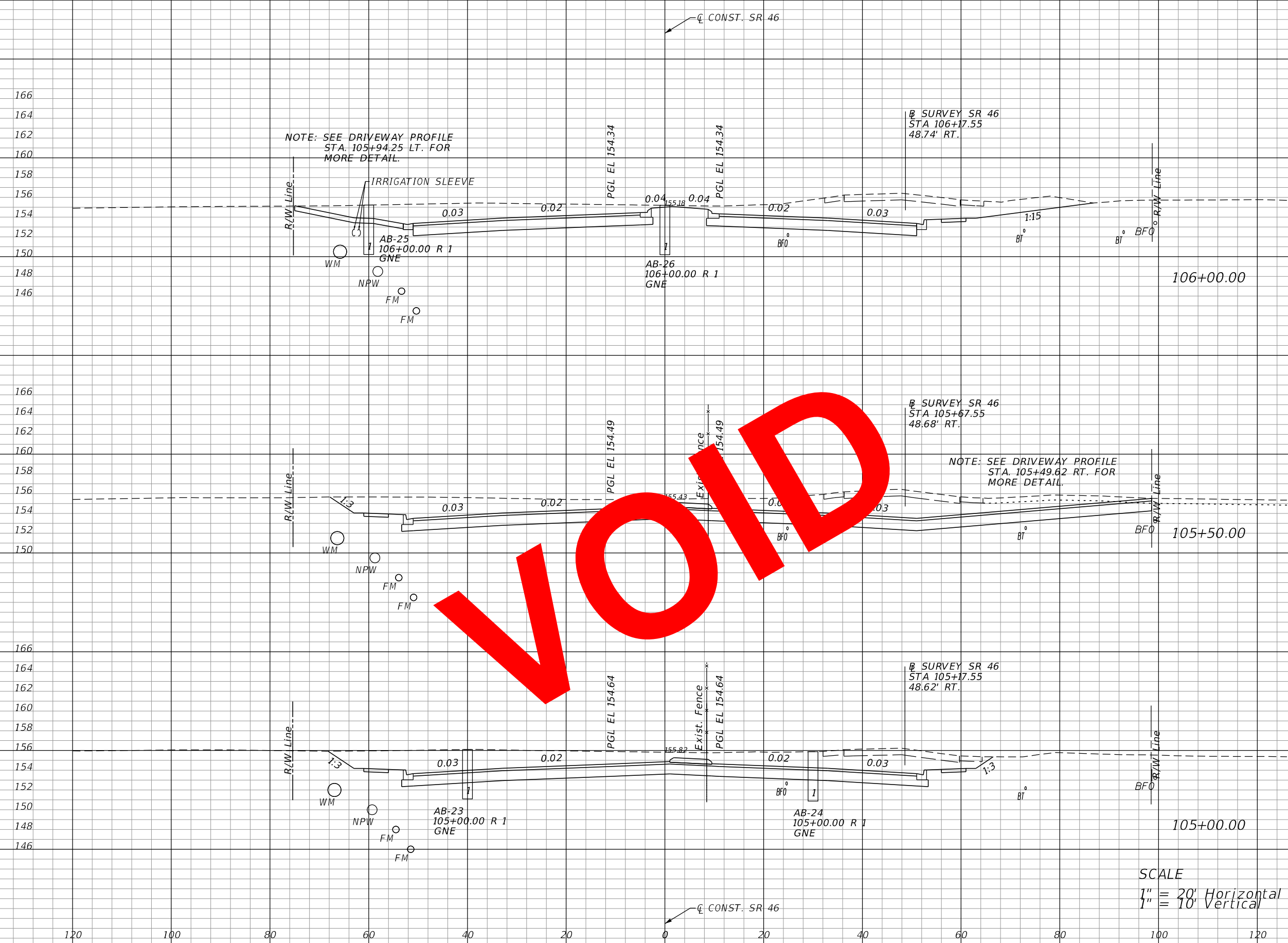
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (10)
SR 46

SHEET NO.
105

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
331			22		
	669			54	
391			37		
	666			57	
328			25		
	582			46	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (11)
SR 46

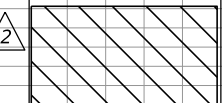
SHEET NO.
 106

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

Regular Exc. Embankment

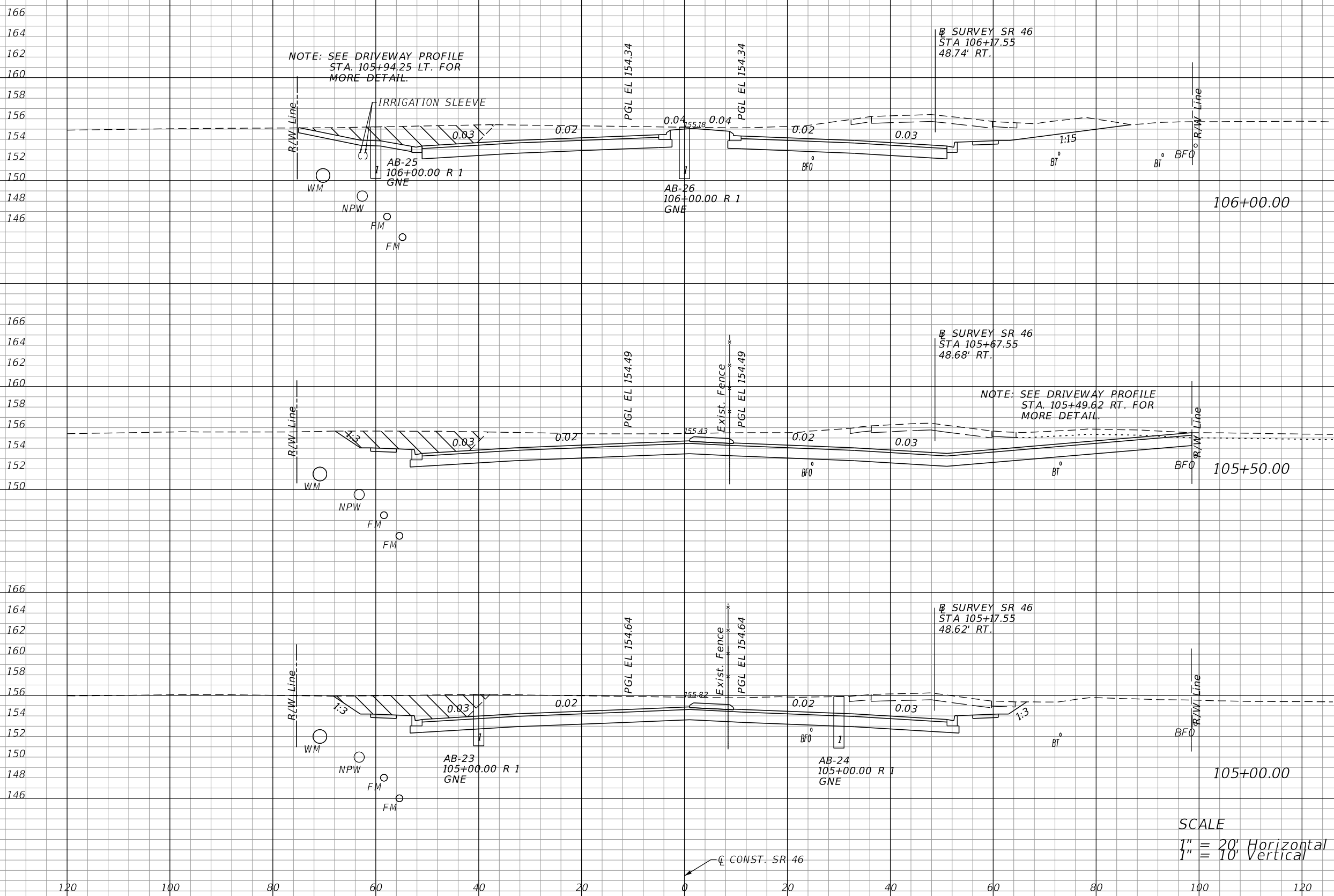
A V A V

304	634	22	54
381	631	37	57
301	527	25	46



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46



REVISIONS	
DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND

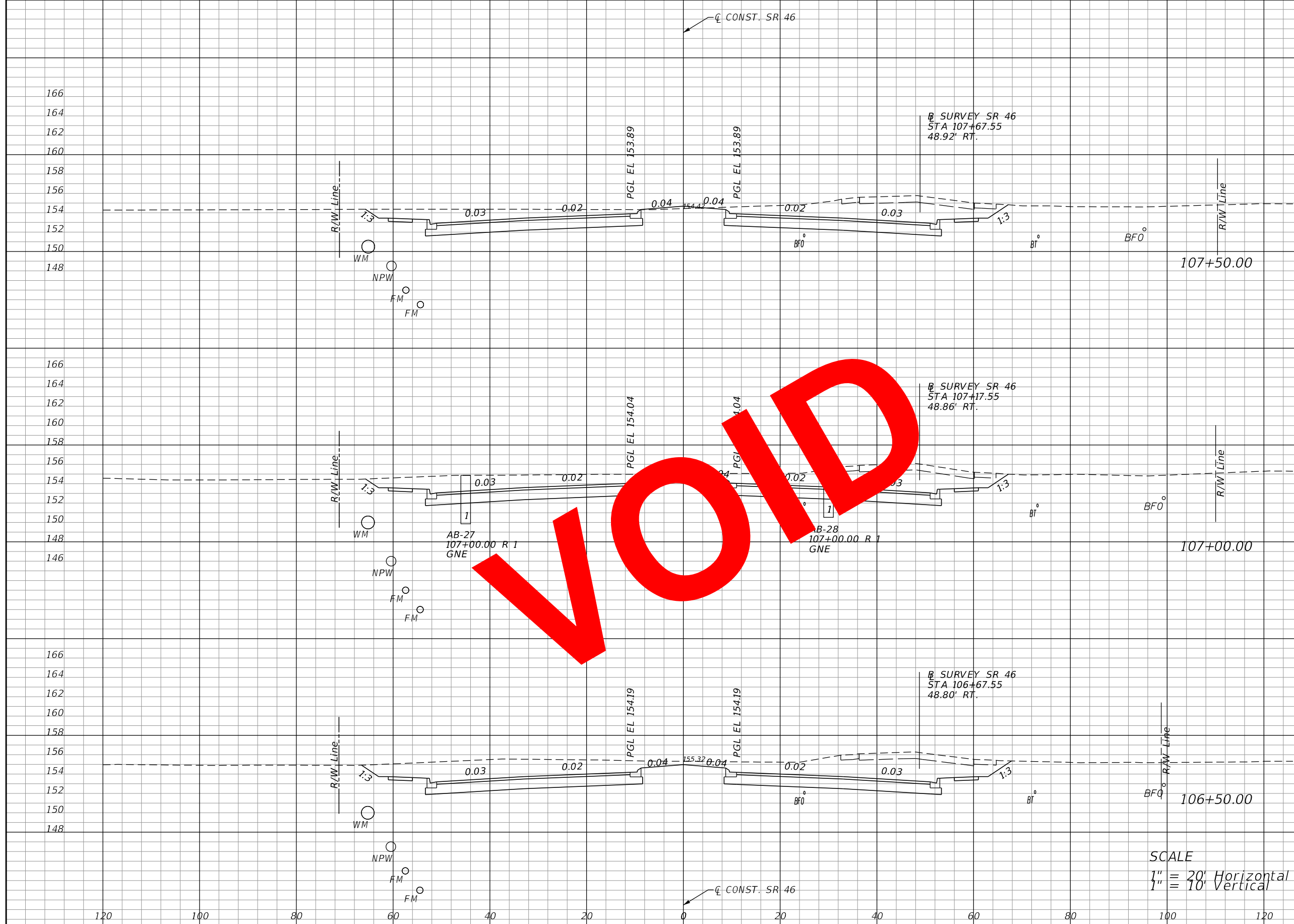
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (11)
SR 46

SHEET NO.
106

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
245			22		
	485			39	
279			20		
	543			37	
308			20		
	592			38	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

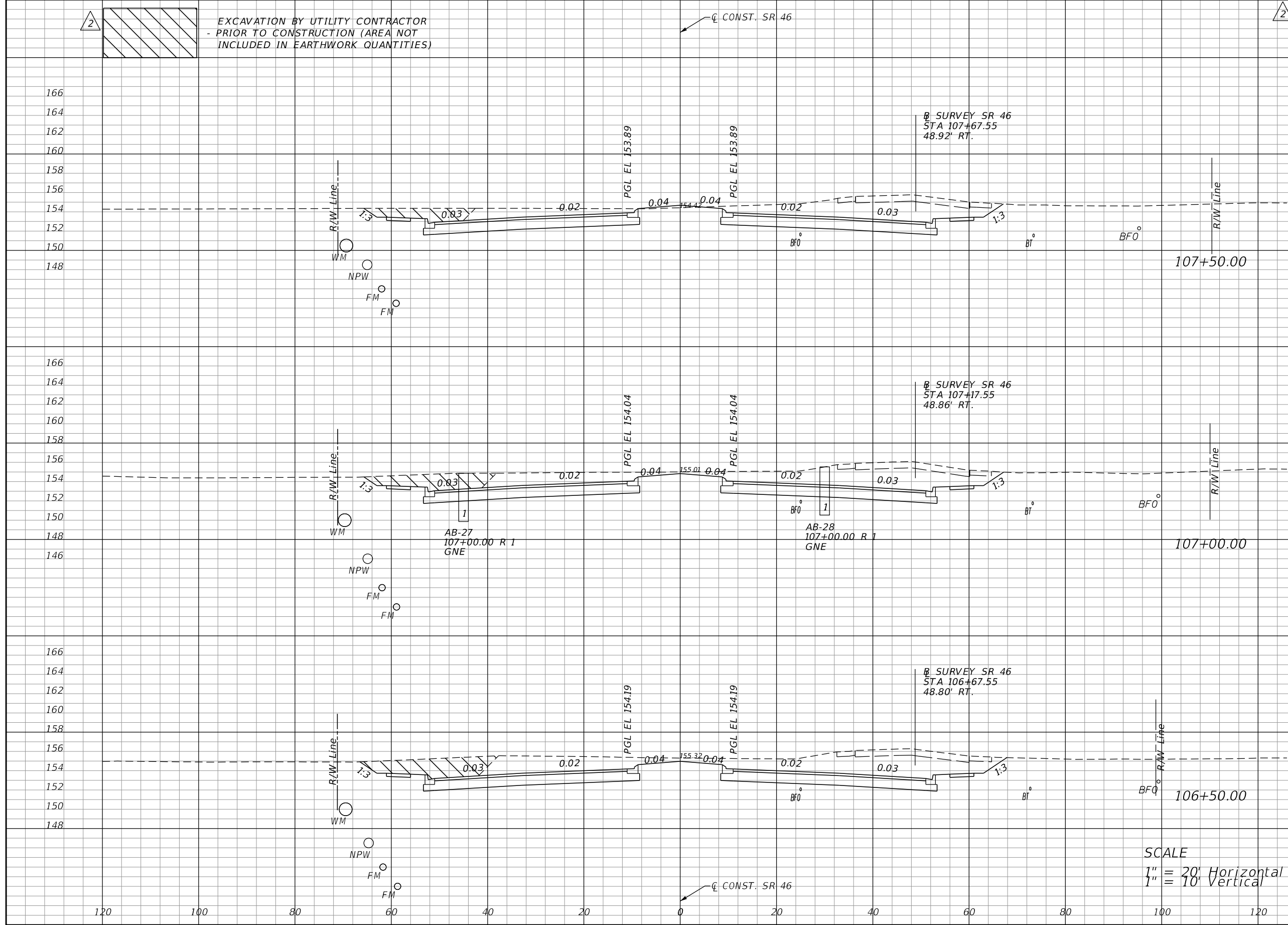
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (12)
SR 46

SHEET NO.
 107

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

Regular	Exc.	Embankment	
		A	V
241	469	22	39
265	509	20	37
285	545	20	38



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

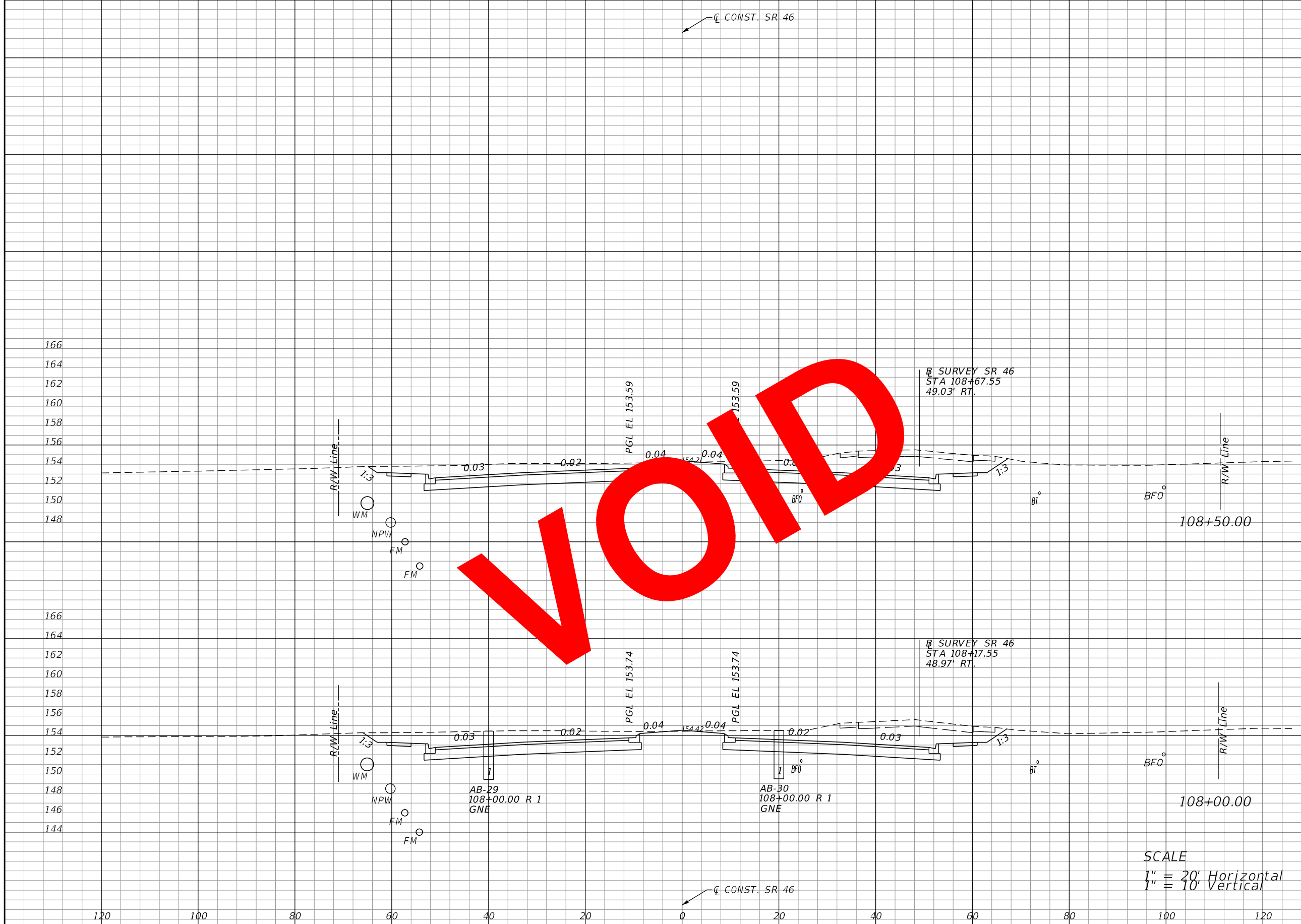
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (12)
SR 46

SHEET NO.
 107

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
245			21		
	464			38	
256			20		
	464			39	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (13)
SR 46

SHEET NO.
 108

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

Regular Exc. Embankment

A V A V

245 21

458 38

249 20

454 39

EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CL CONST. SR 46

B SURVEY SR 46
STA 108+67.55
49.03' RT.

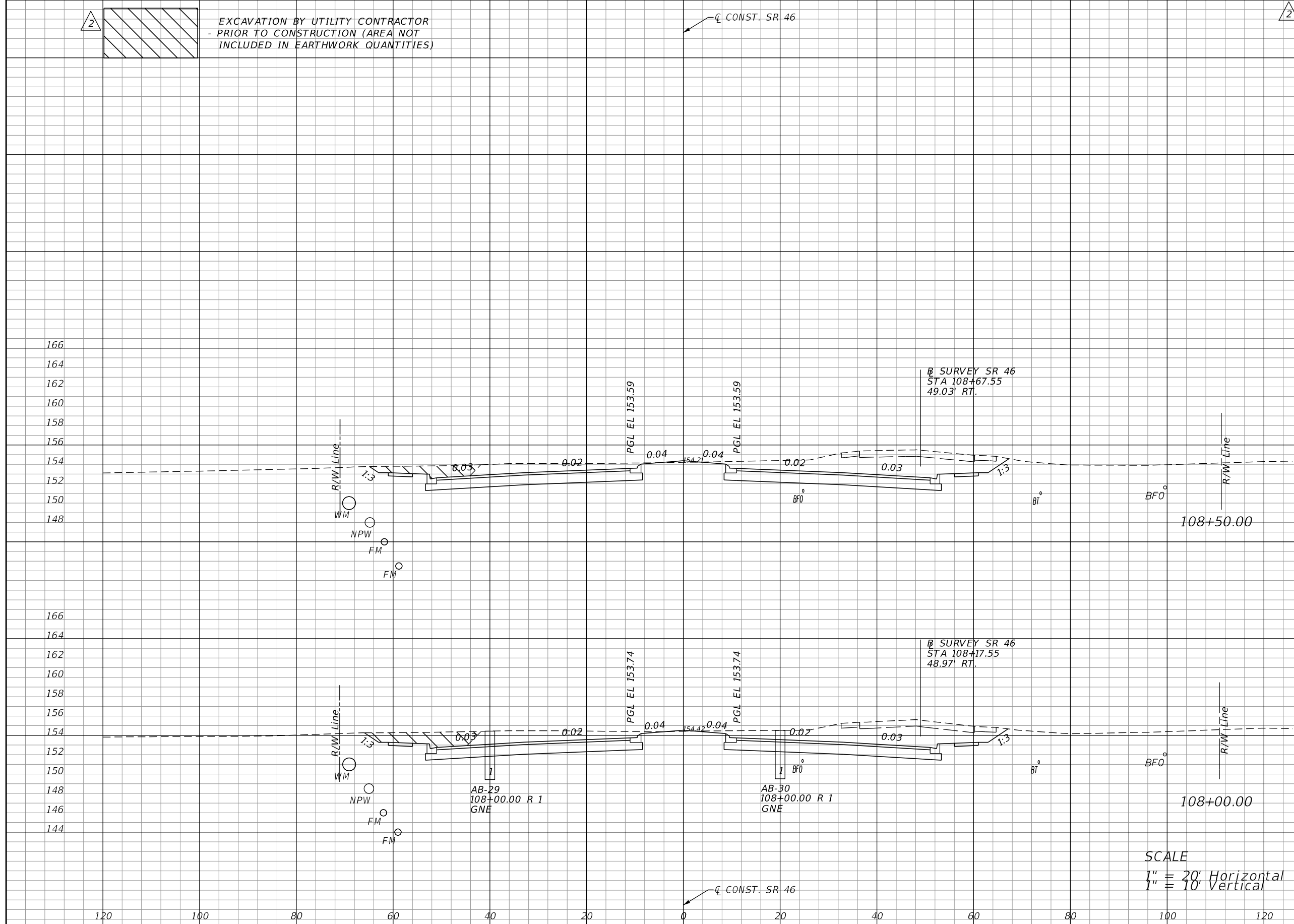
B SURVEY SR 46
STA 108+17.55
48.97' RT.

CL CONST. SR 46

AB-29
108+00.00 R 1
GNE

AB-30
108+00.00 R 1
GNE

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

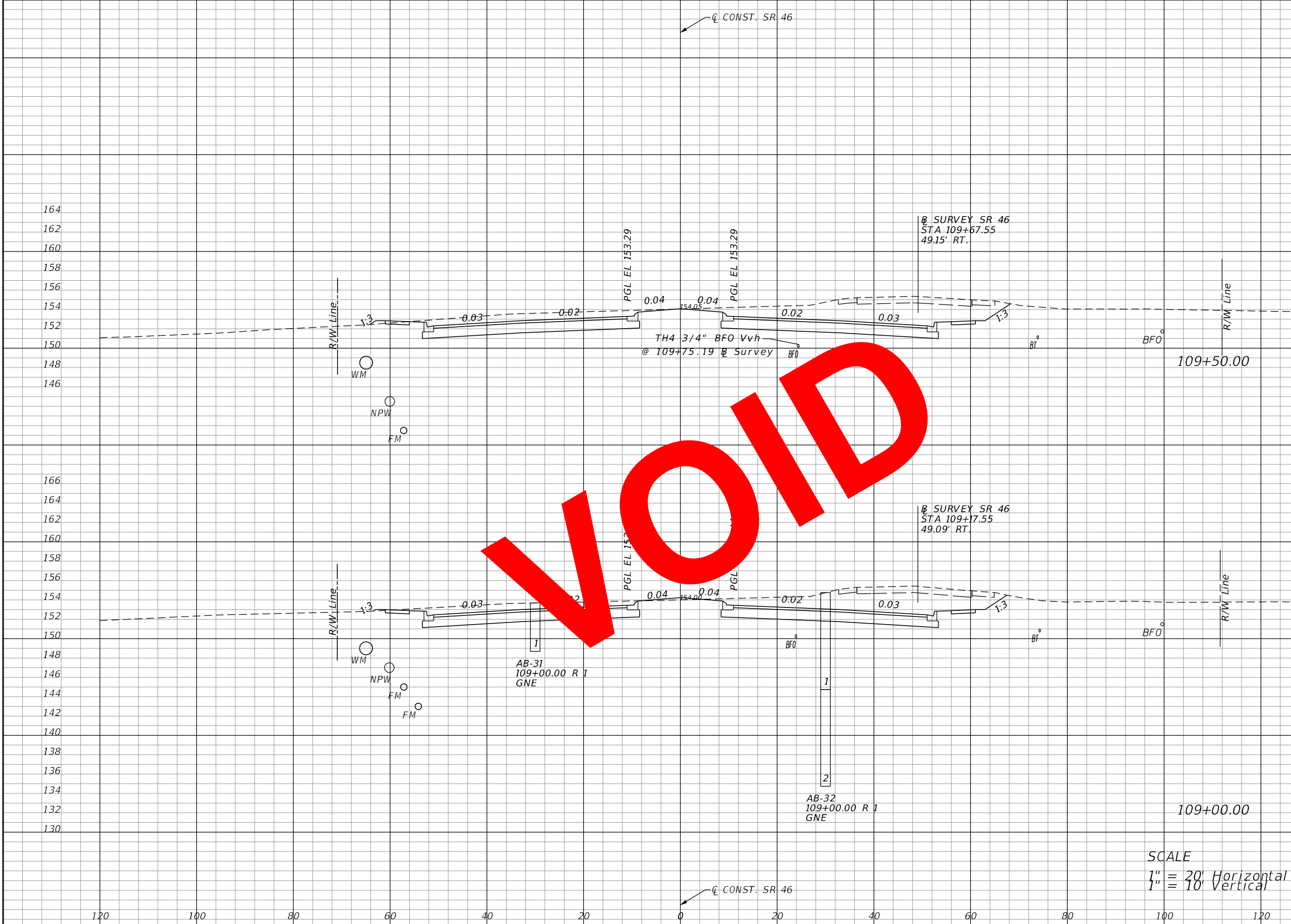
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (13)
SR 46

SHEET NO.
108

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
242			21		
	436				39
228			22		
	438				39

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

VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

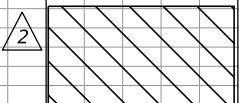
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (14)
SR 46

SHEET NO.
 109

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

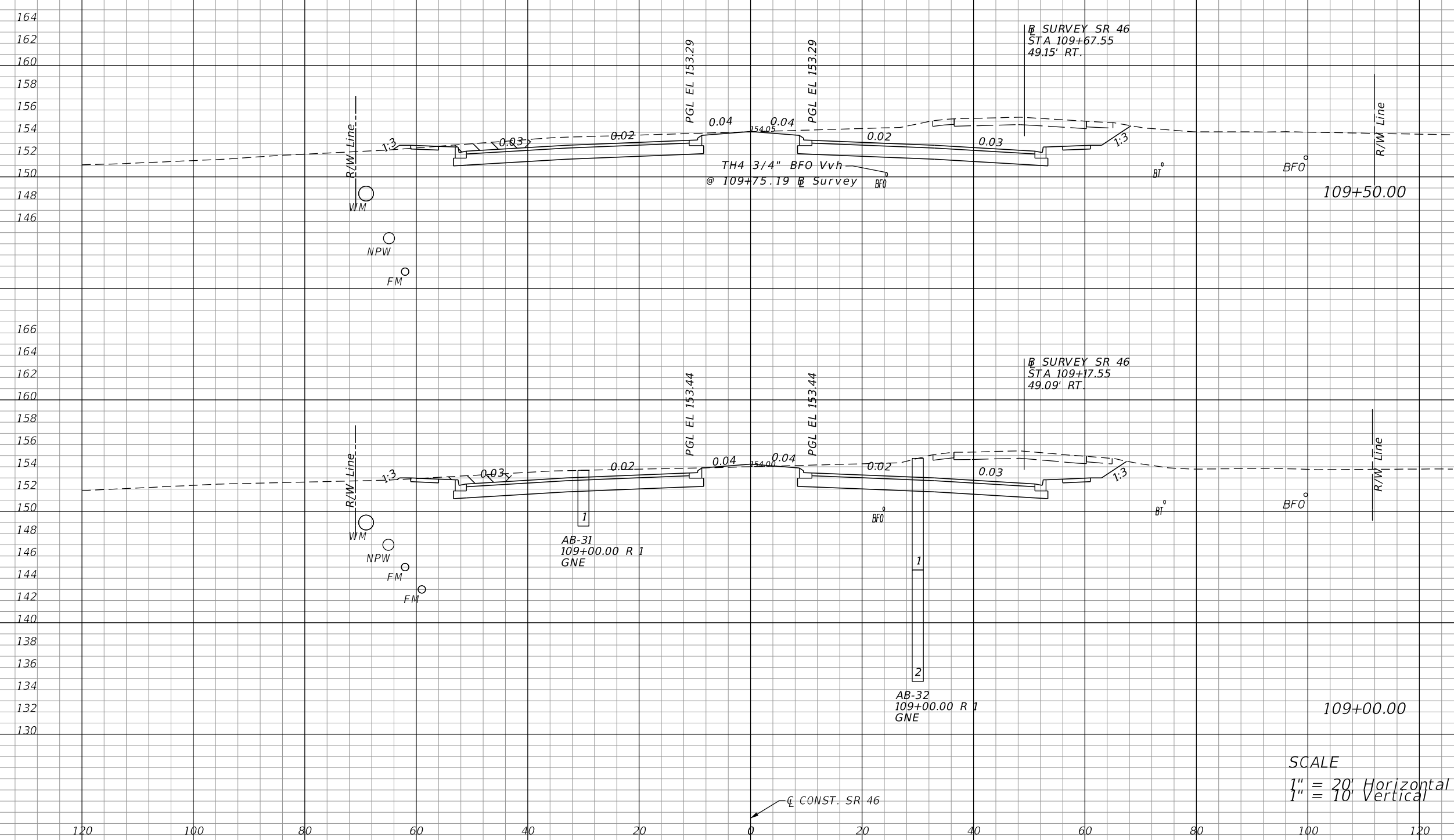


EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46



Regular Exc. Embankment
A V A V



254	458	21	39
241	450	22	39

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

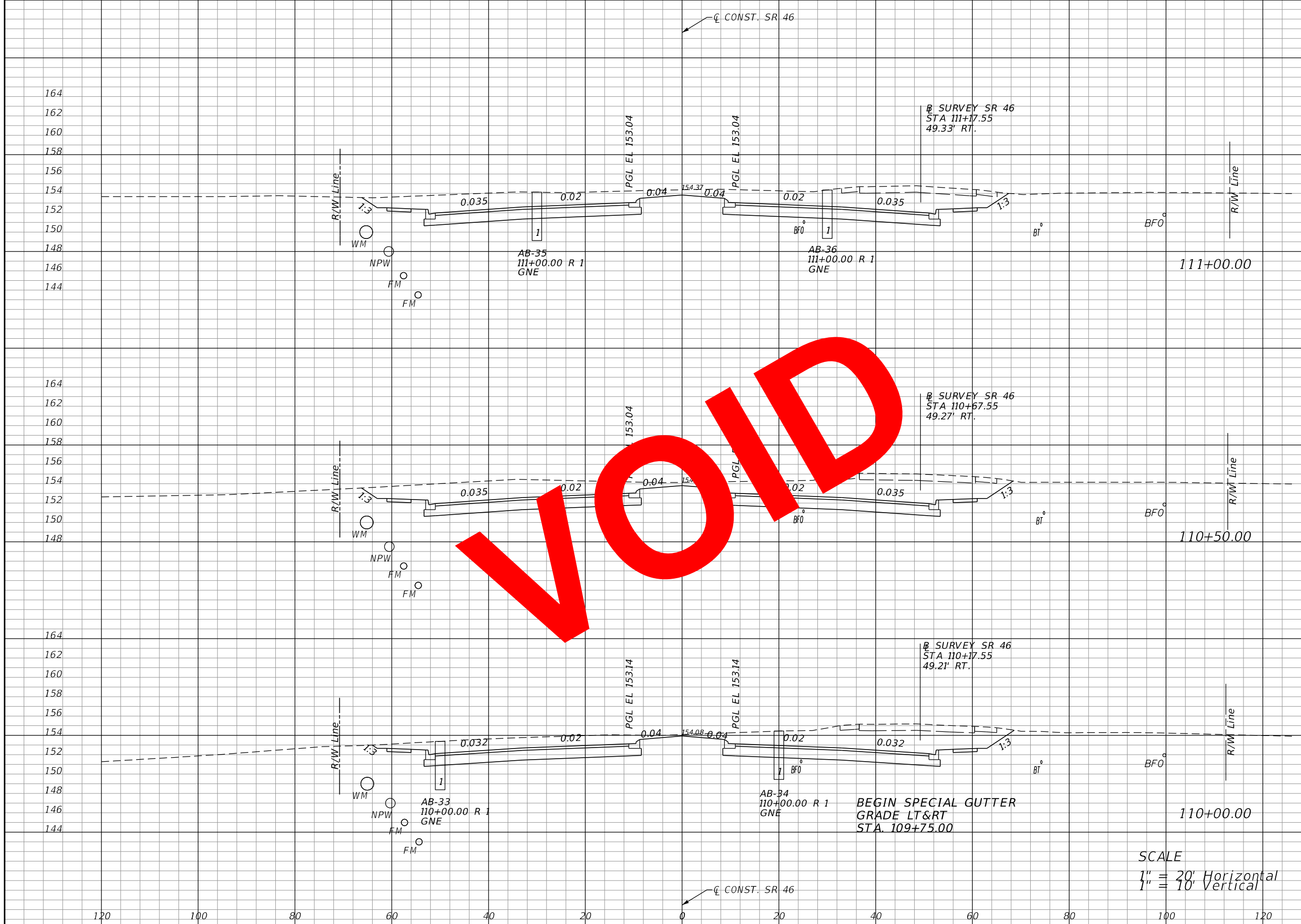
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (14)
SR 46

SHEET NO.
109

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
296				20	
	569				37
319				20	
	552				37
278				20	
	482				38

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

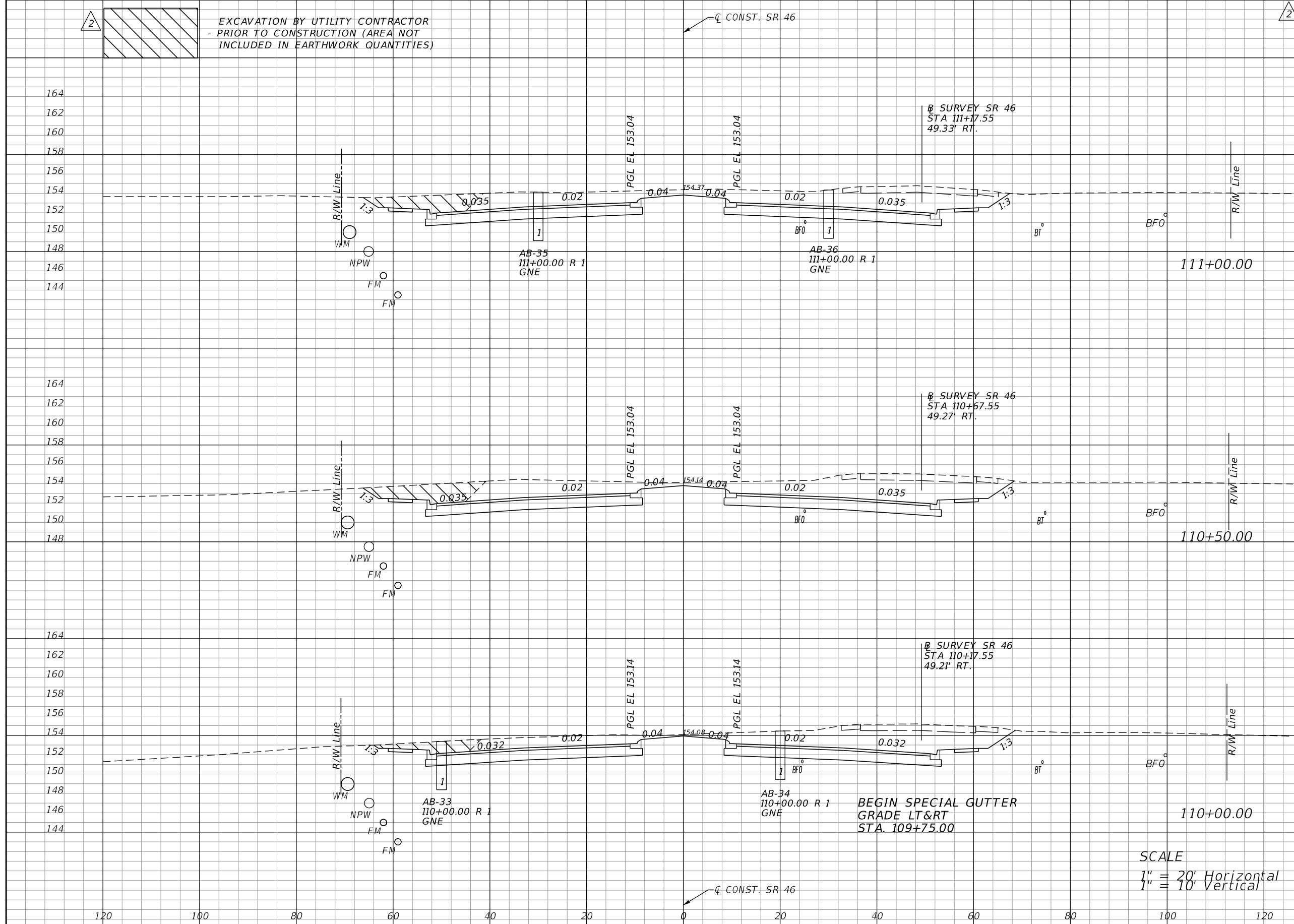
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (15)		SHEET NO.
SR 46		110

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

Regular Exc.		Embankment	
A	V	A	V
285	544	20	37
303	540	20	37
280	494	20	38



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

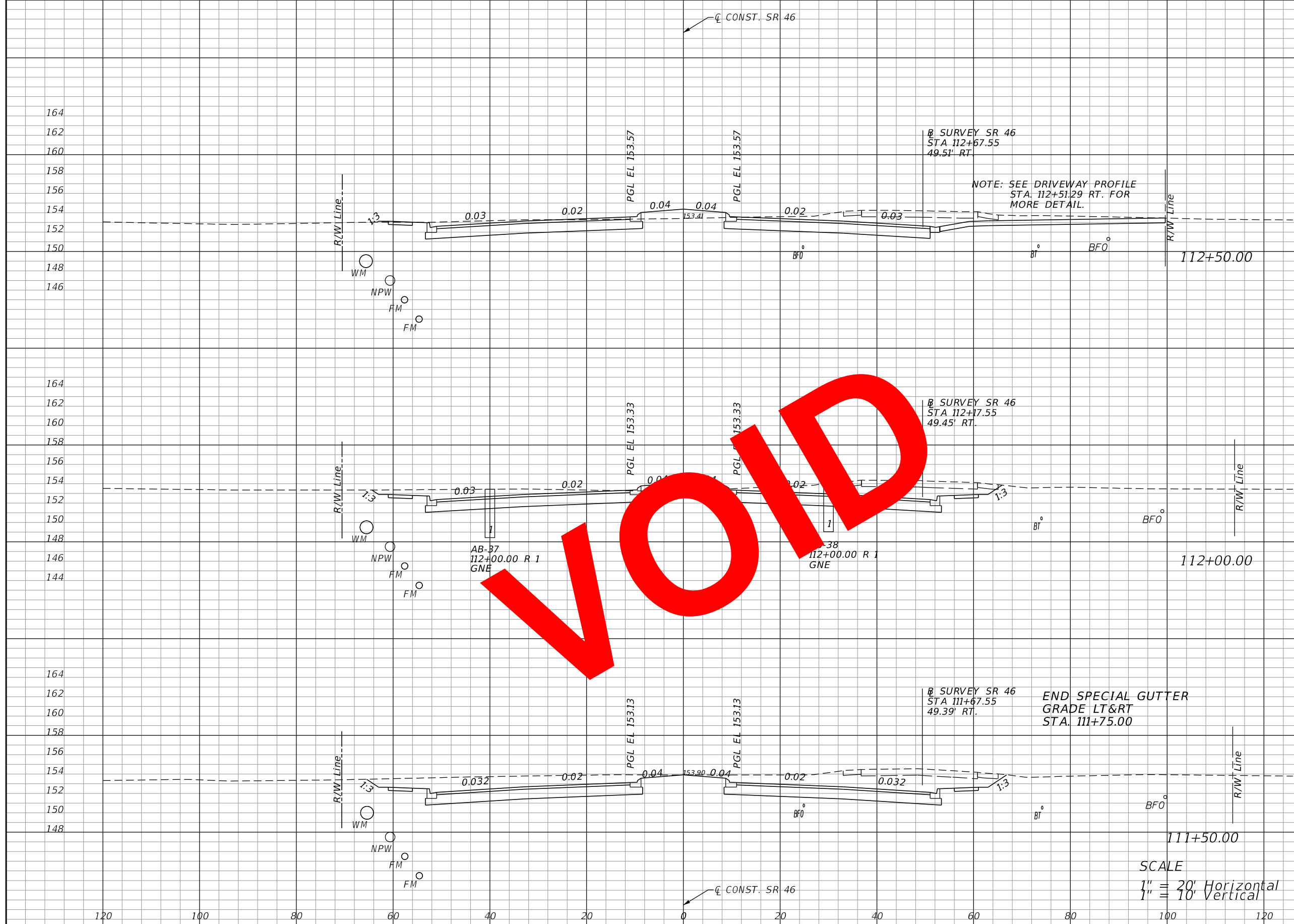
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (15)
SR 46

SHEET NO.
 110

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
178				34	
	337				60
186				32	
	400				48
246				20	
	502				37

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (16)		SHEET NO.
SR 46		111

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
193				34	
	356				60
192				32	
	401				48
241				20	
	487				37

EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

SURVEY SR 46
STA 112+67.55
49.51' RT.

NOTE: SEE DRIVEWAY PROFILE
STA. 112+51.29 RT. FOR
MORE DETAIL.

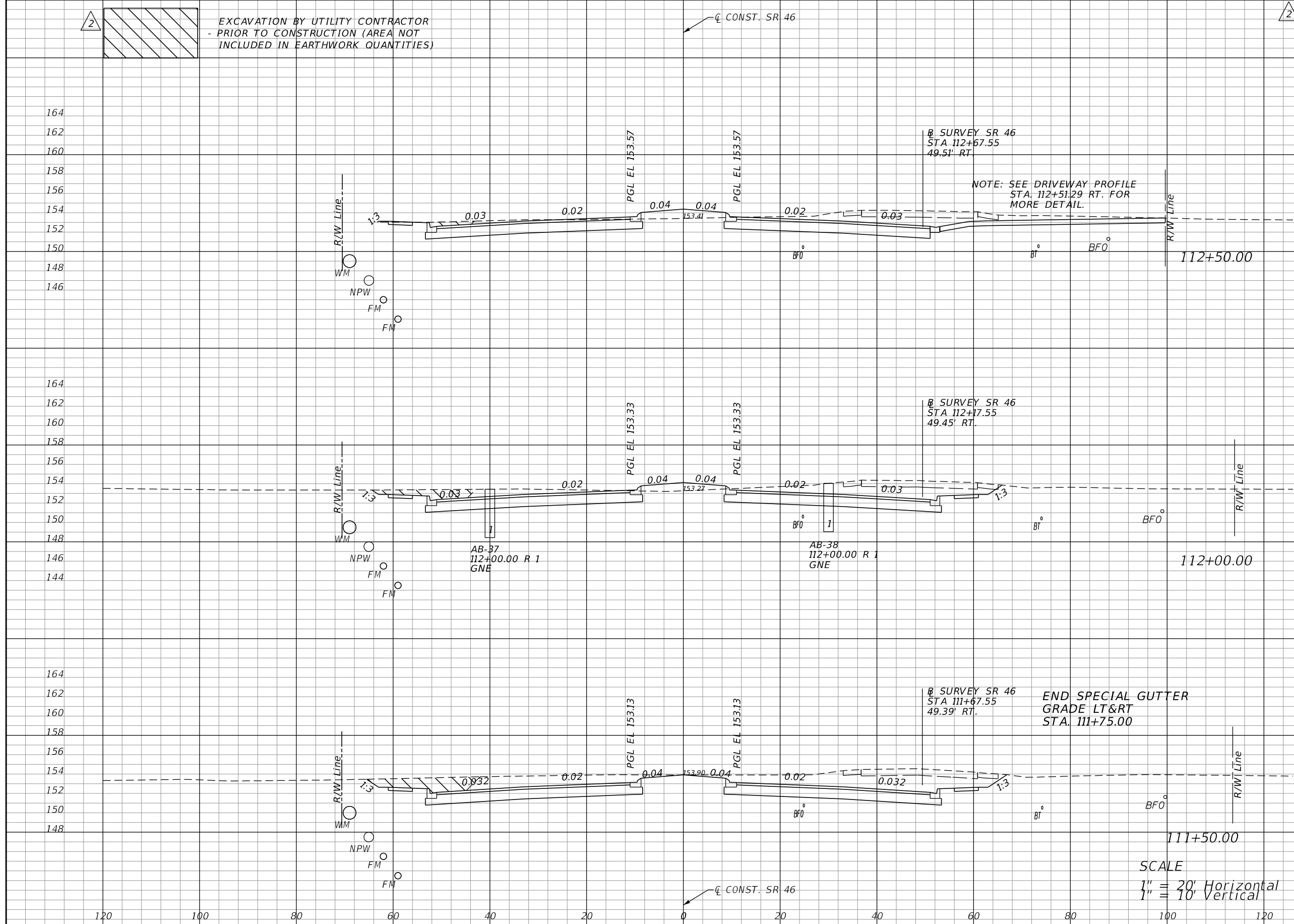
SURVEY SR 46
STA 112+17.55
49.45' RT.

SURVEY SR 46
STA 111+67.55
49.39' RT.

END SPECIAL GUTTER
GRADE LT&RT
STA. 111+75.00

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

CONST. SR 46



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

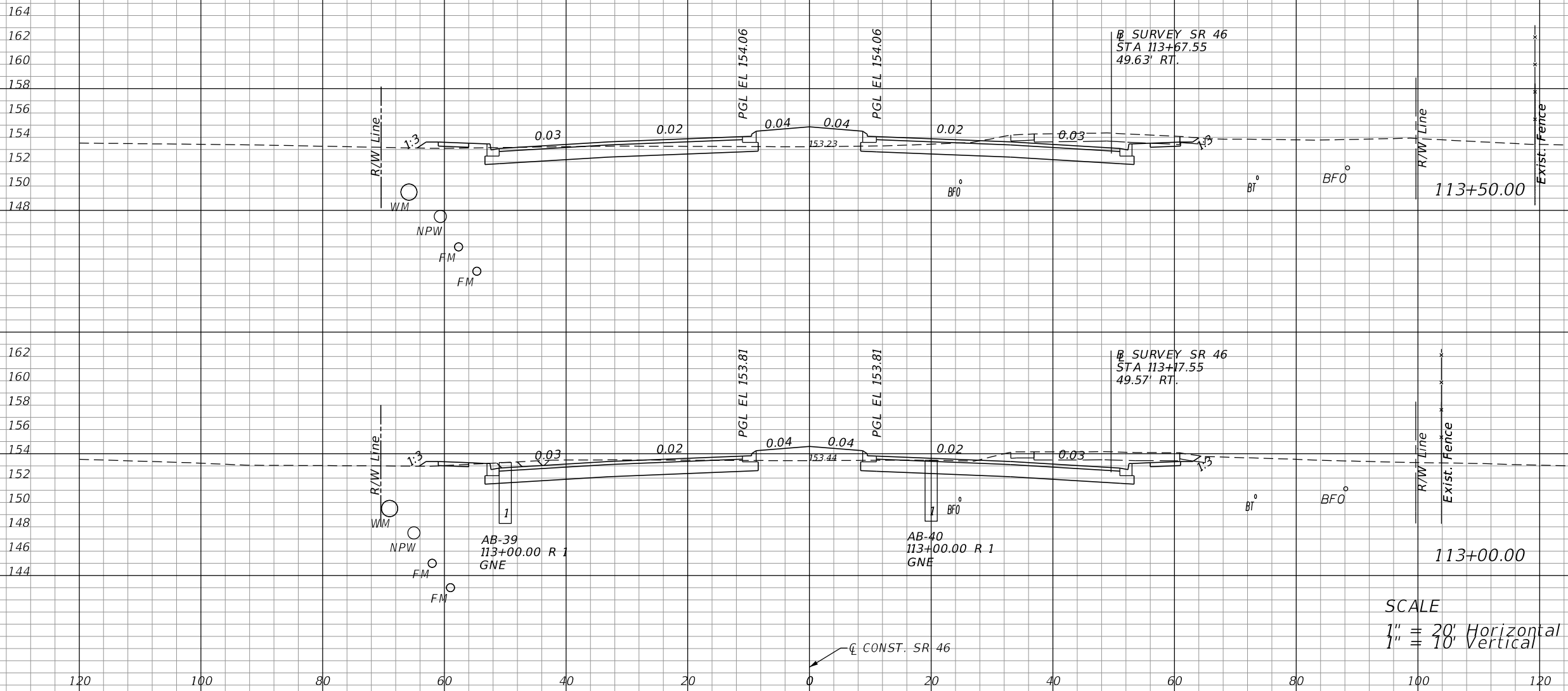
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (16)
SR 46

SHEET NO.
111

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
105			48		
	228				81
141			39		
	310				67

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISD EXISTING GROUND		

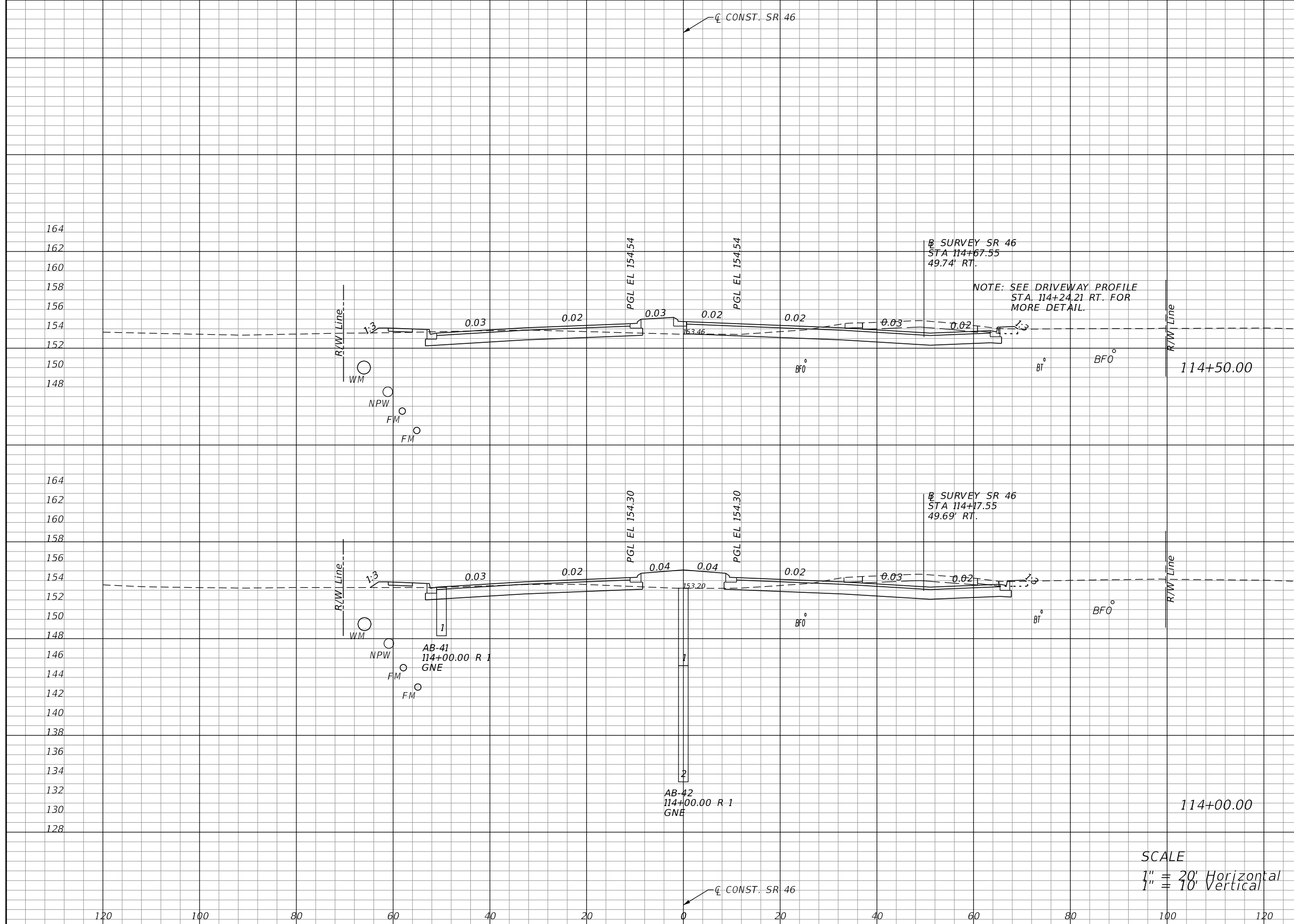
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (17)
SR 46

SHEET NO.
 112

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
113			42		
	214			92	
118			57		
	207			98	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

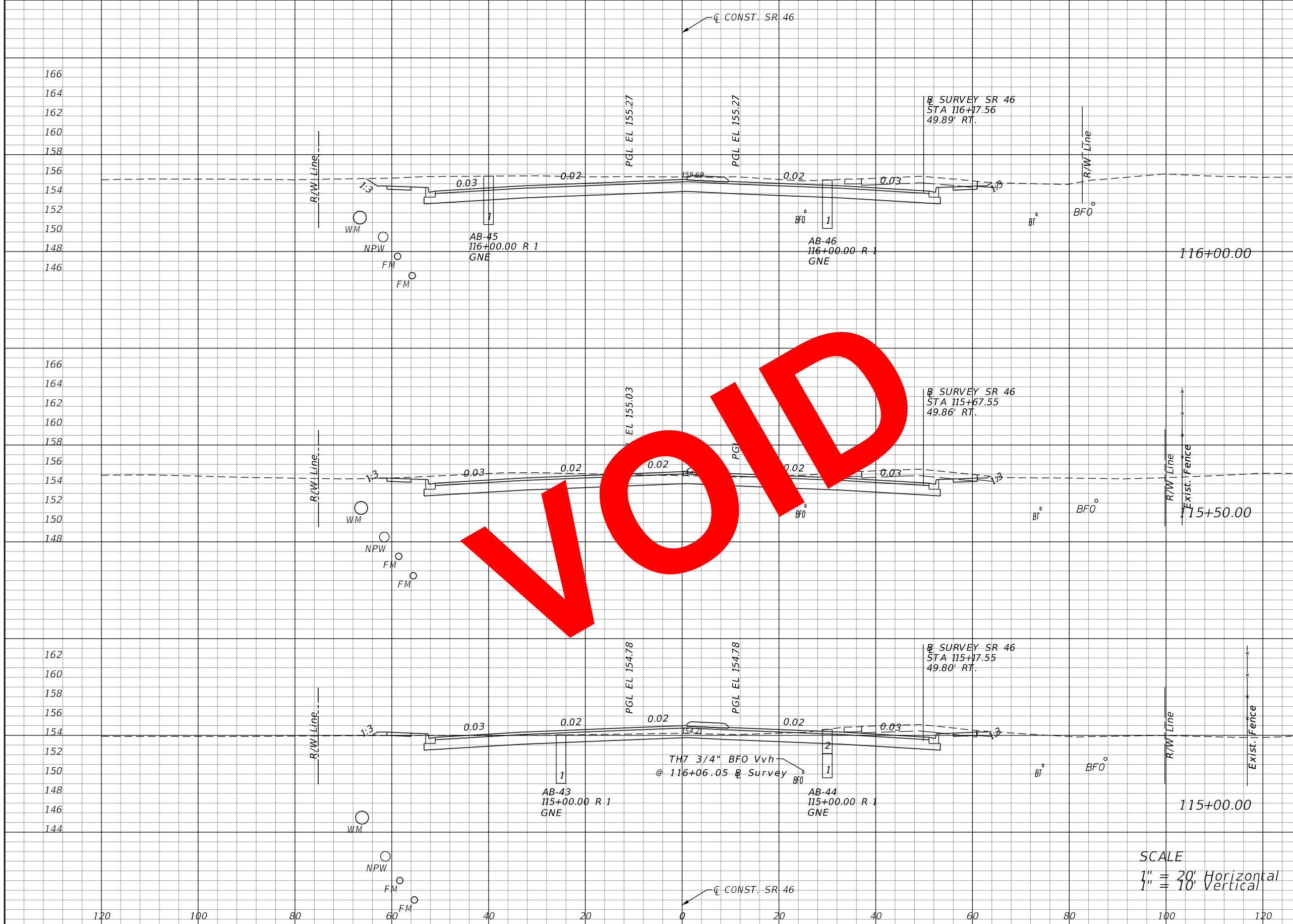
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (18)
SR 46

SHEET NO.
 113

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
212				25	
	343				46
159				25	
	254				48
116				27	
	212				63

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

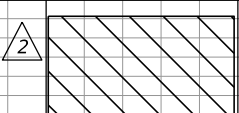
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (19)
SR 46

SHEET NO.
 114

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

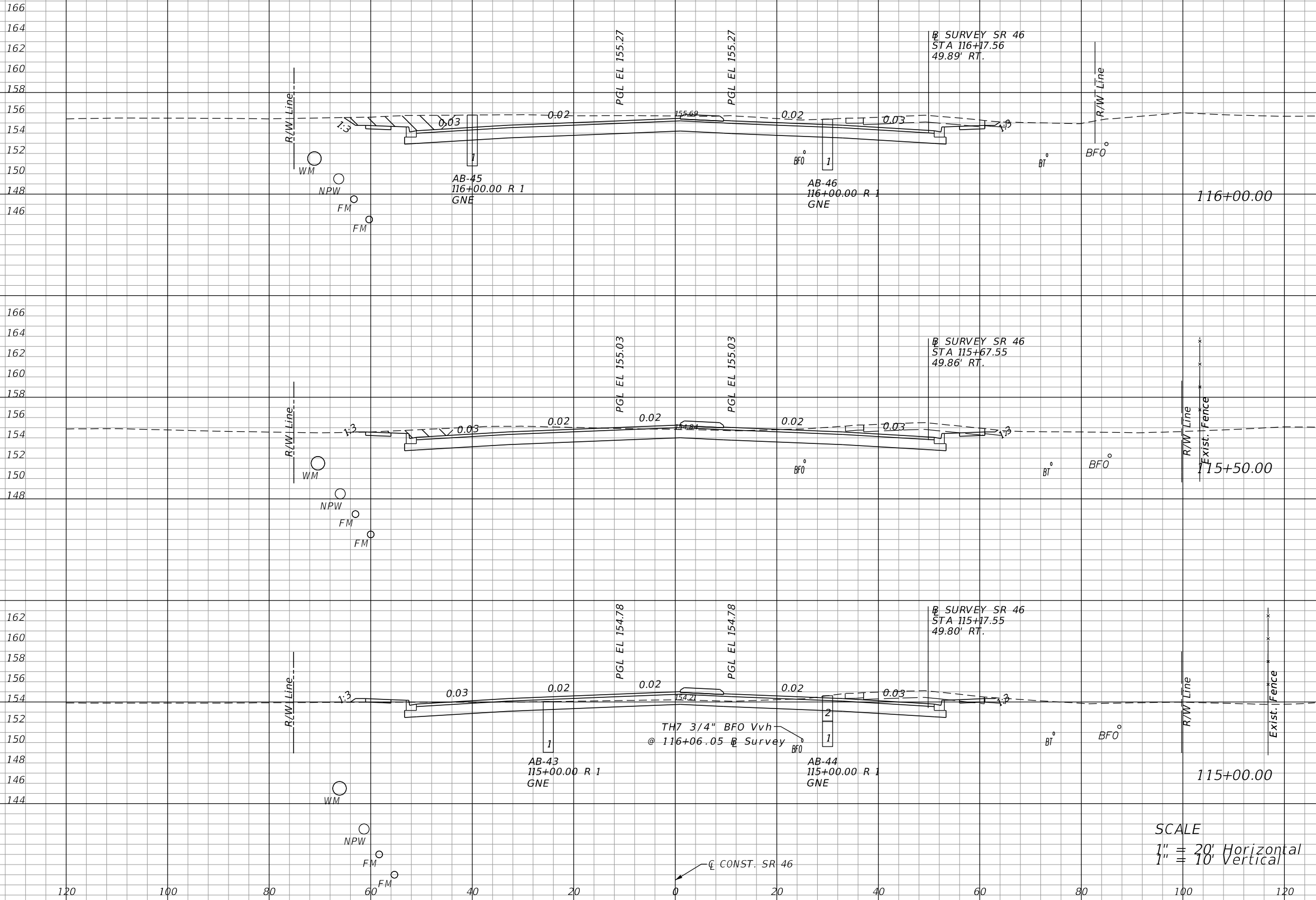


EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46



Regular		Exc.		Embankment	
A	V	A	V	A	V
215	356	25	46		
170	265	25	48		
116	212	27	63		



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

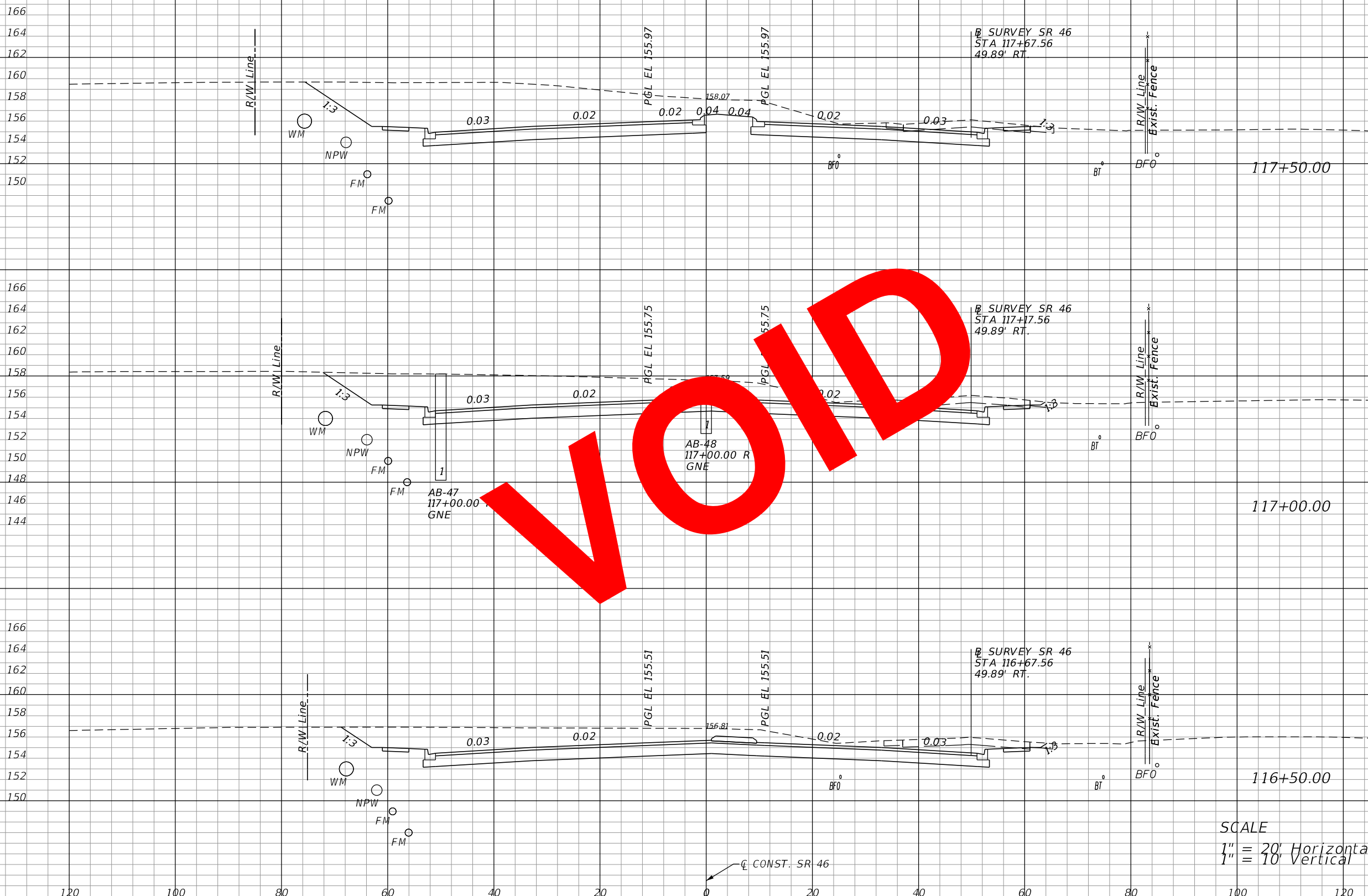
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (19)
SR 46

SHEET NO.
114

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
406			22		
	699			44	
349			25		
	586			46	
284			25		
	459			46	

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

VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (20)
SR 46

SHEET NO.
115

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

Regular Exc. Embankment

A V A V

337	593	22	44
304	528	25	46
266	445	25	46

EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

SURVEY SR 46
STA 117+67.56
49.89' RT.

SURVEY SR 46
STA 117+17.56
49.89' RT.

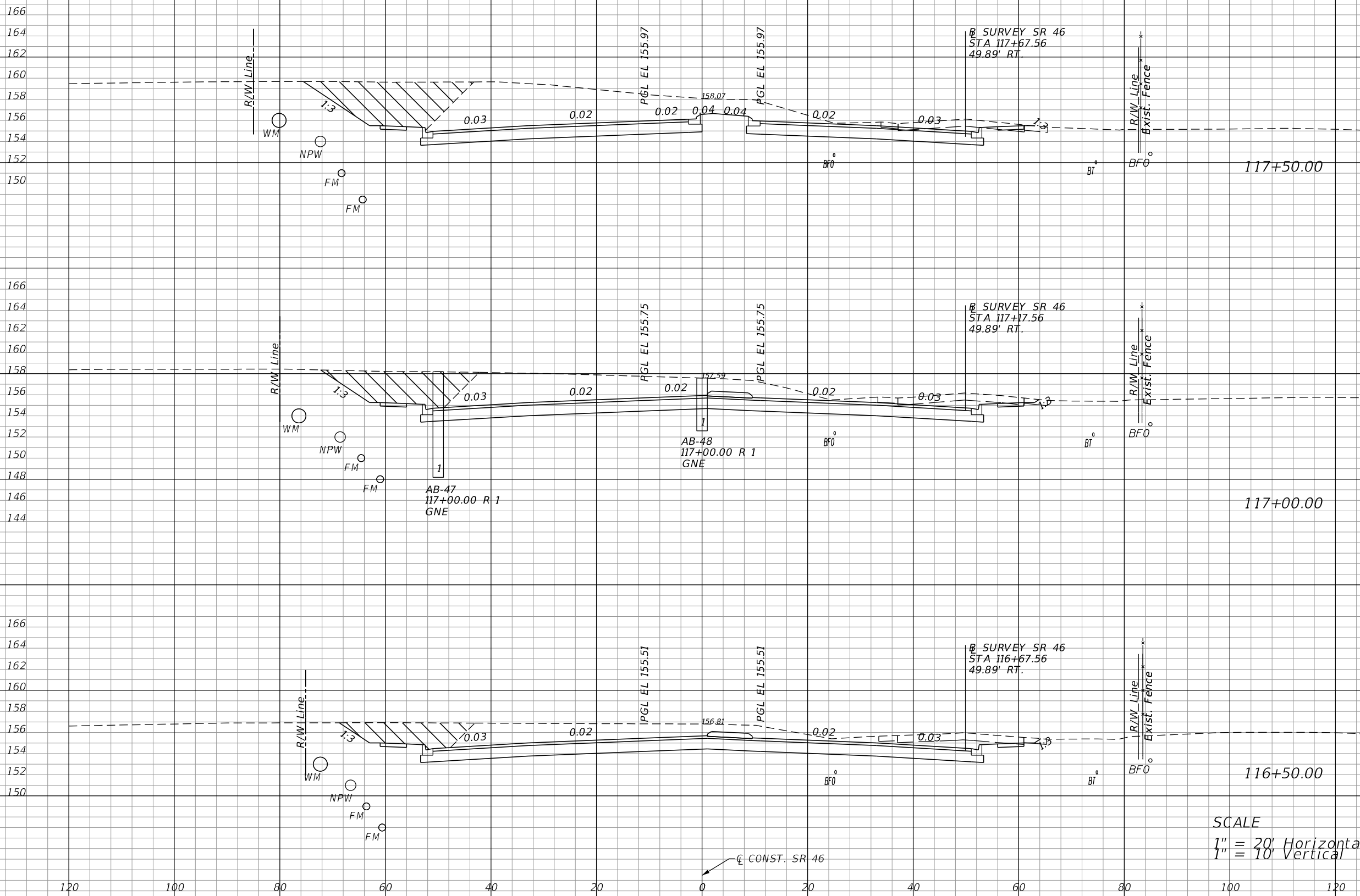
SURVEY SR 46
STA 116+67.56
49.89' RT.

CONST. SR 46

AB-47
117+00.00 R 1
GNE

AB-48
117+00.00 R 1
GNE

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

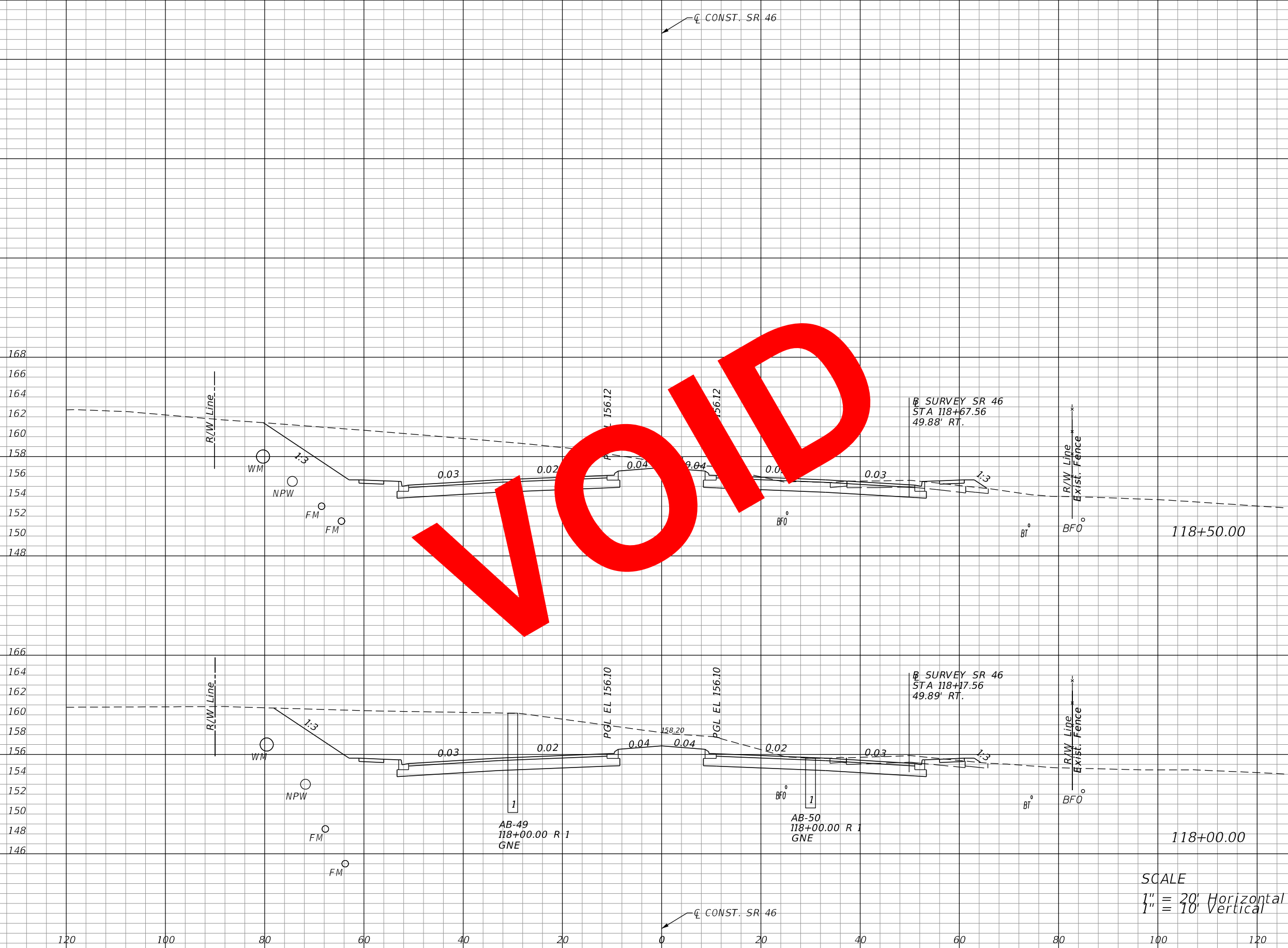
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (20)
SR 46

SHEET NO.
115

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

VOID



Regular		Exc.		Embankment	
A	V	A	V	A	V
375			24		
	741			40	
426			20		
	770			39	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

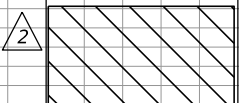
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (21)
SR 46

SHEET NO.
 116

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

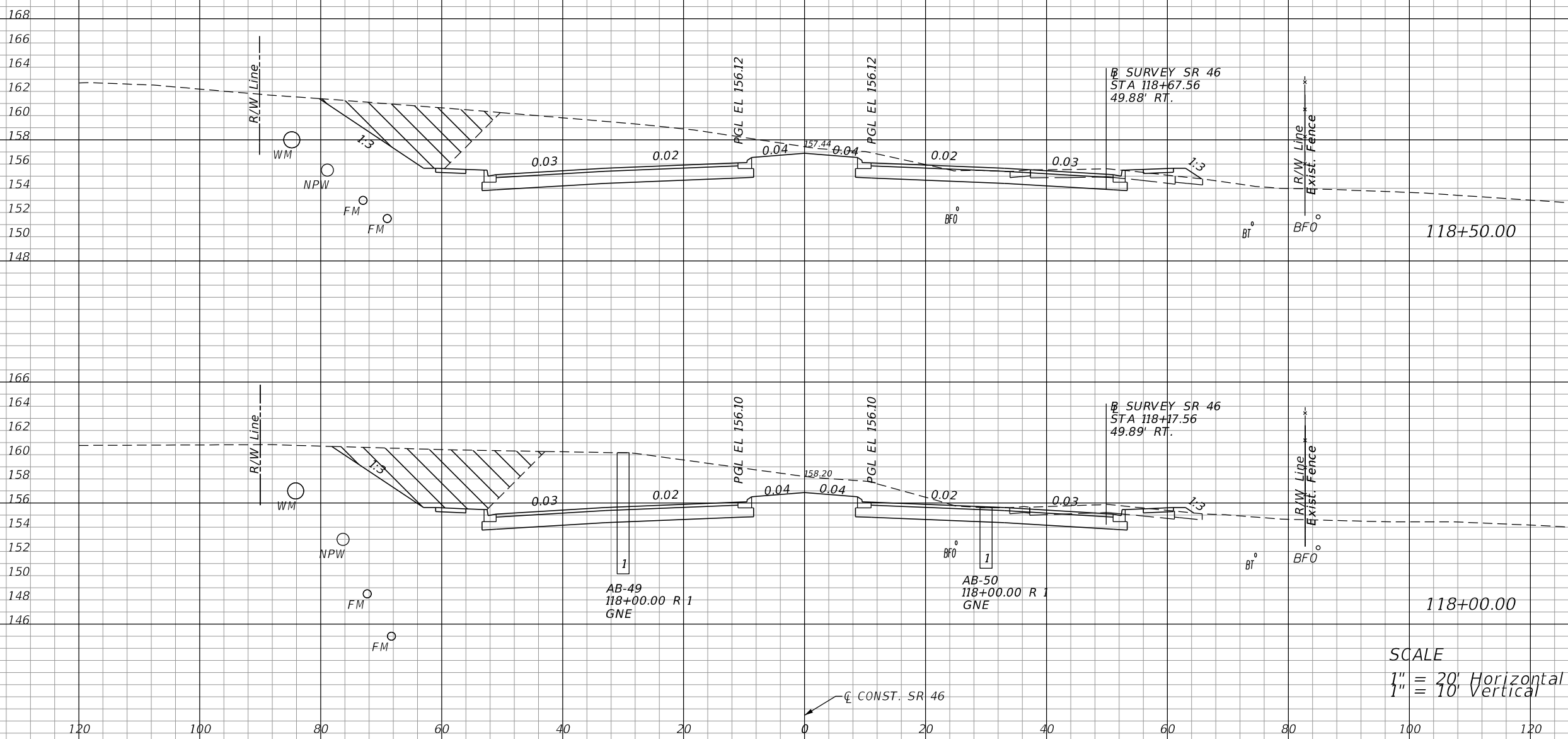


EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CL CONST. SR 46

2

Regular		Exc.		Embankment	
A	V	A	V	A	V



307	588	24	40
329	616	20	39

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

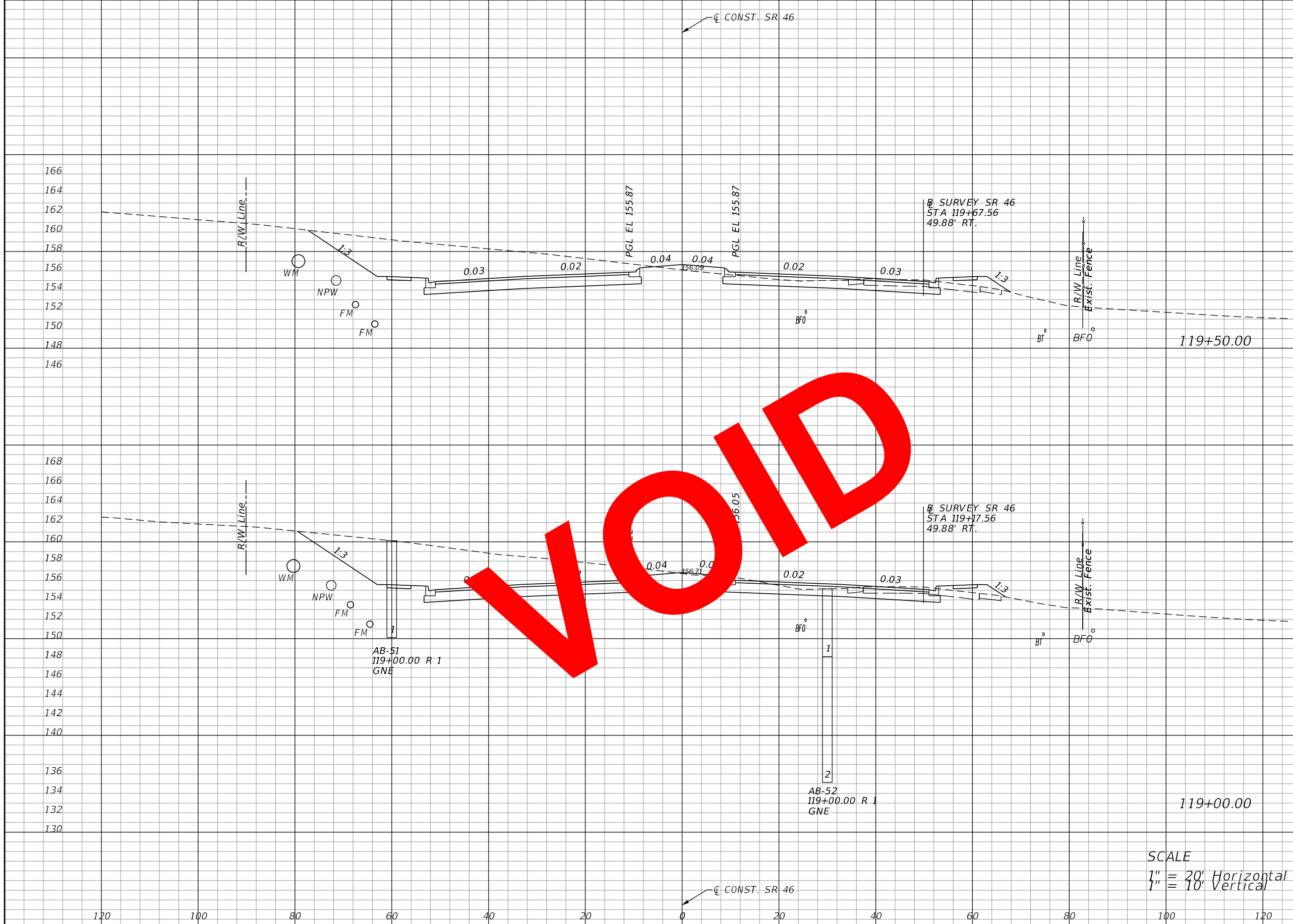
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (21)
SR 46

SHEET NO.
116

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
260			36		
	522			58	
304			27		
	628			47	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

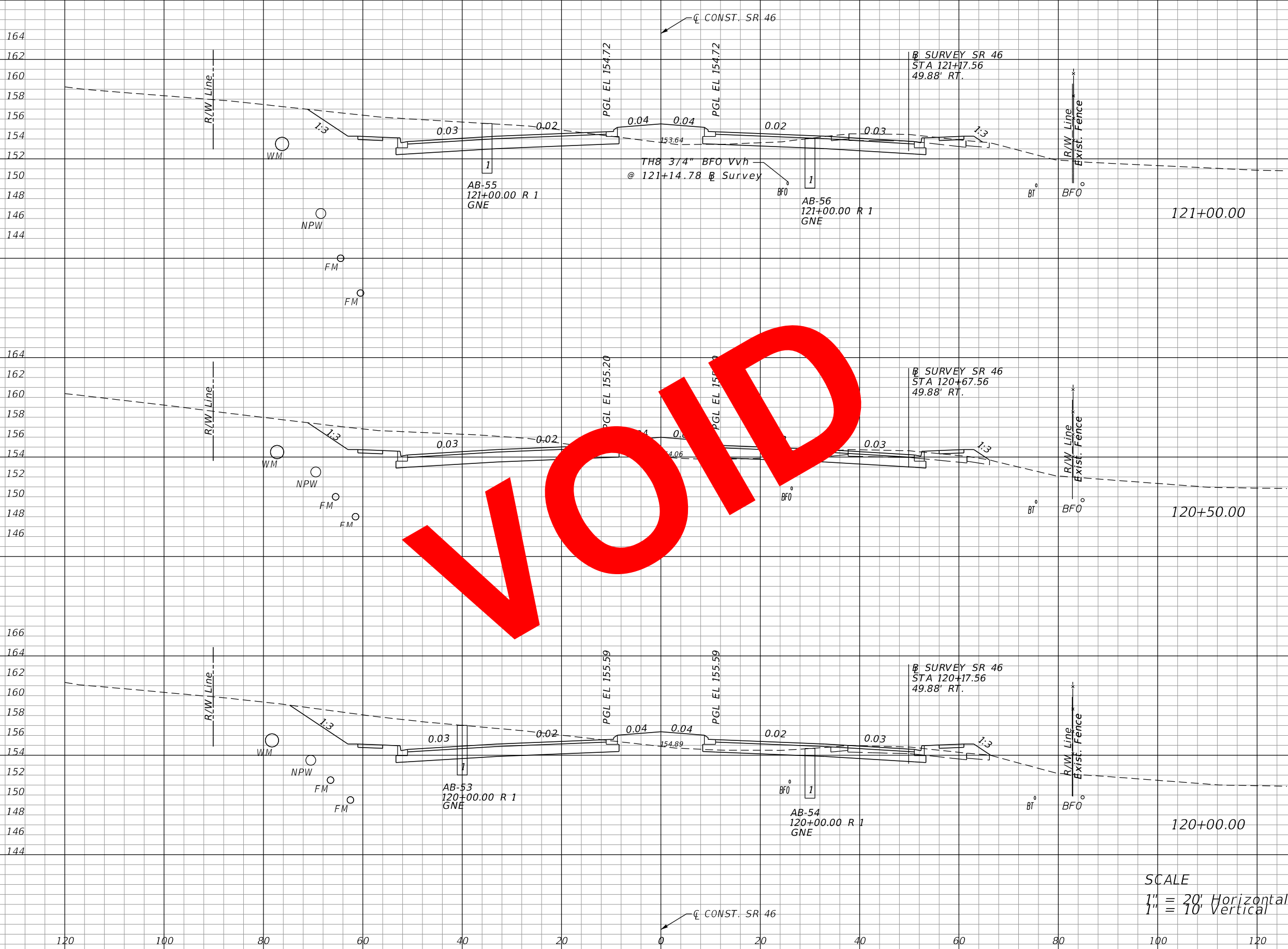
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (22)
SR 46

SHEET NO.
 117

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
166		50			
	299			97	
158		55			
	322			96	
191		49			
	417			78	

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

VOID

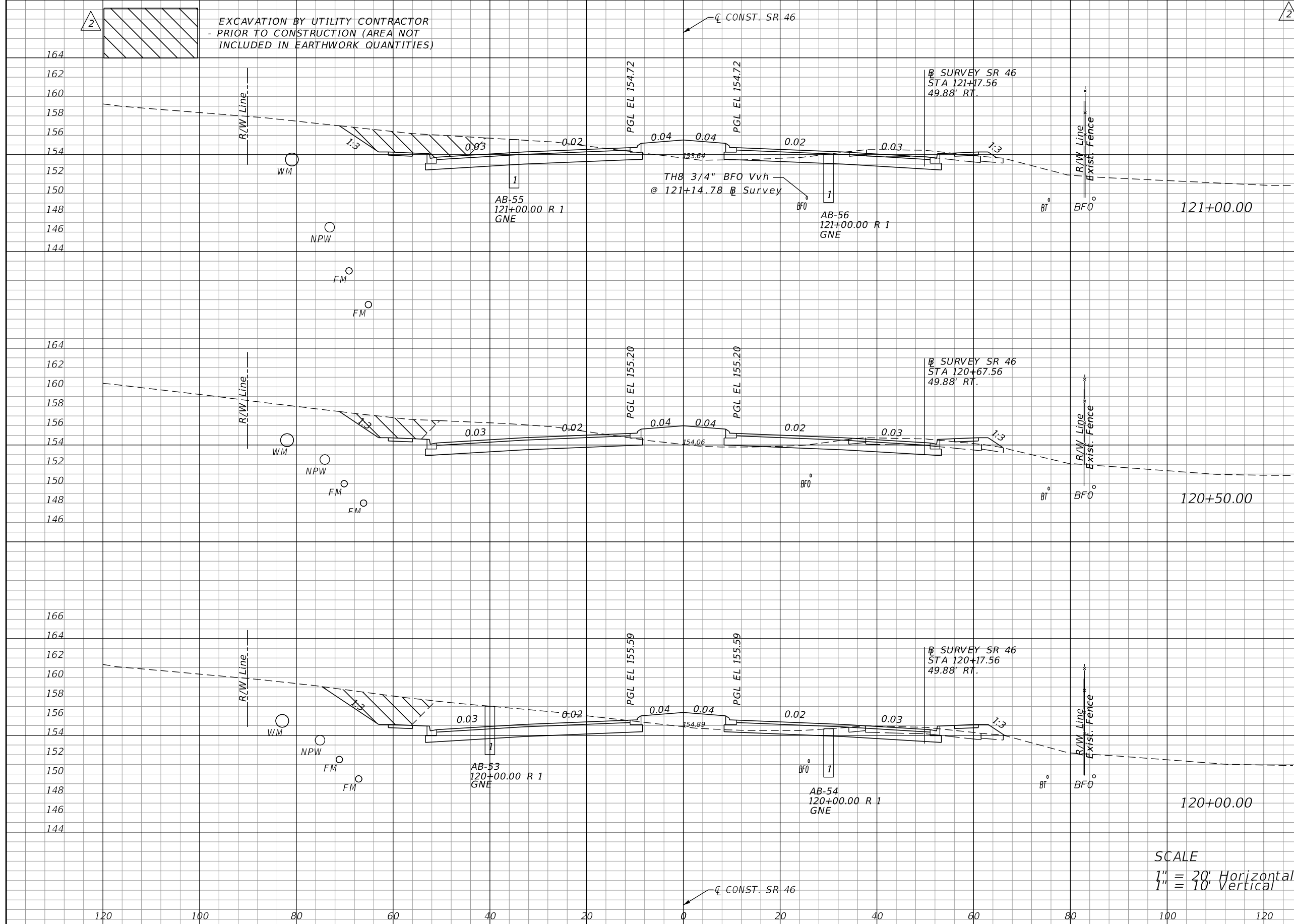
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (23)		SHEET NO.
SR 46		118

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



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
121+00.00	128		50			
120+50.00		247			97	
120+00.00	140		55			
		277			96	
120+00.00	159		49			
		344			78	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

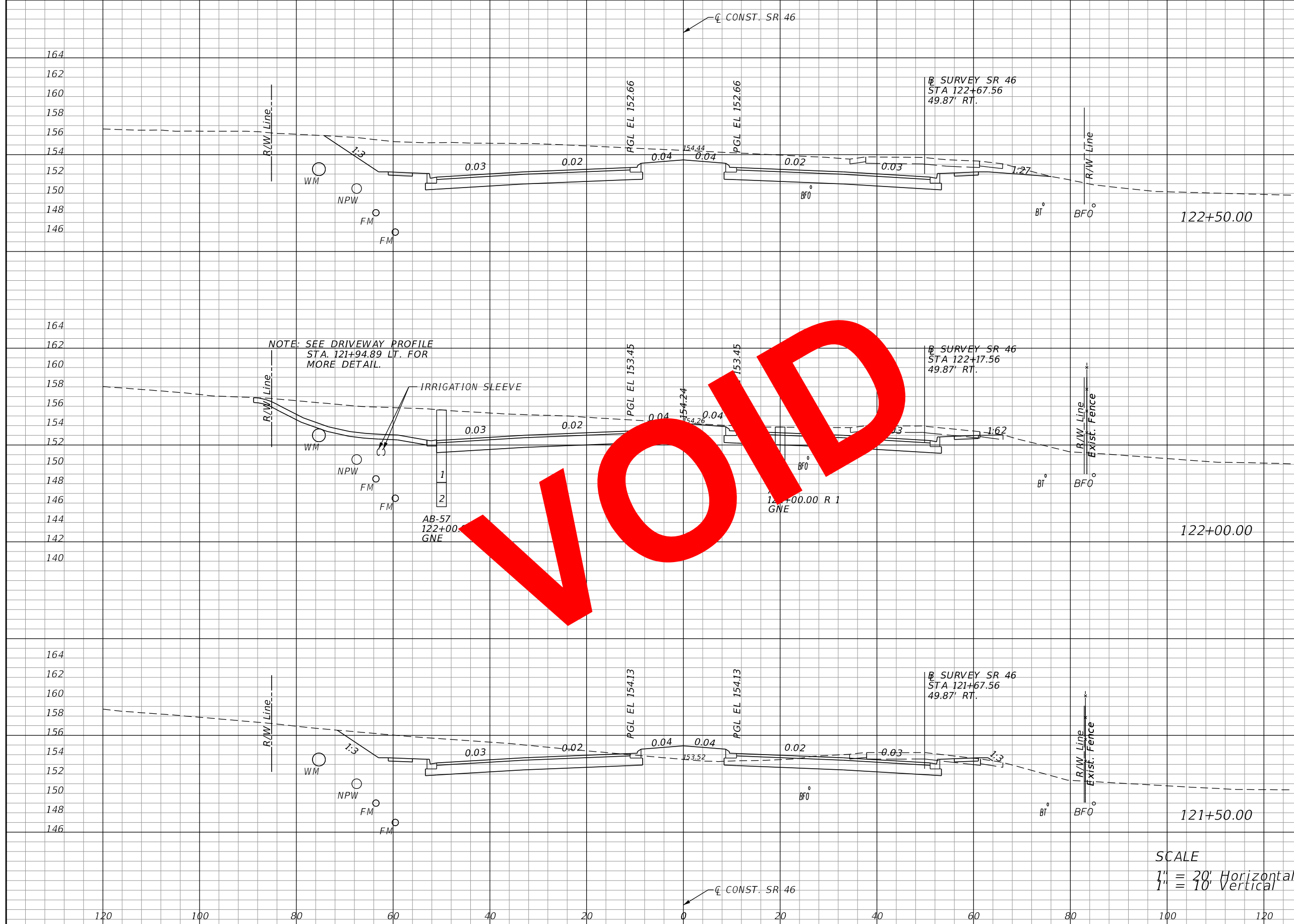
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (23)
SR 46

SHEET NO.
118

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
382			20		
	657			37	
328			20		
	483			57	
195			42		
	333			85	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

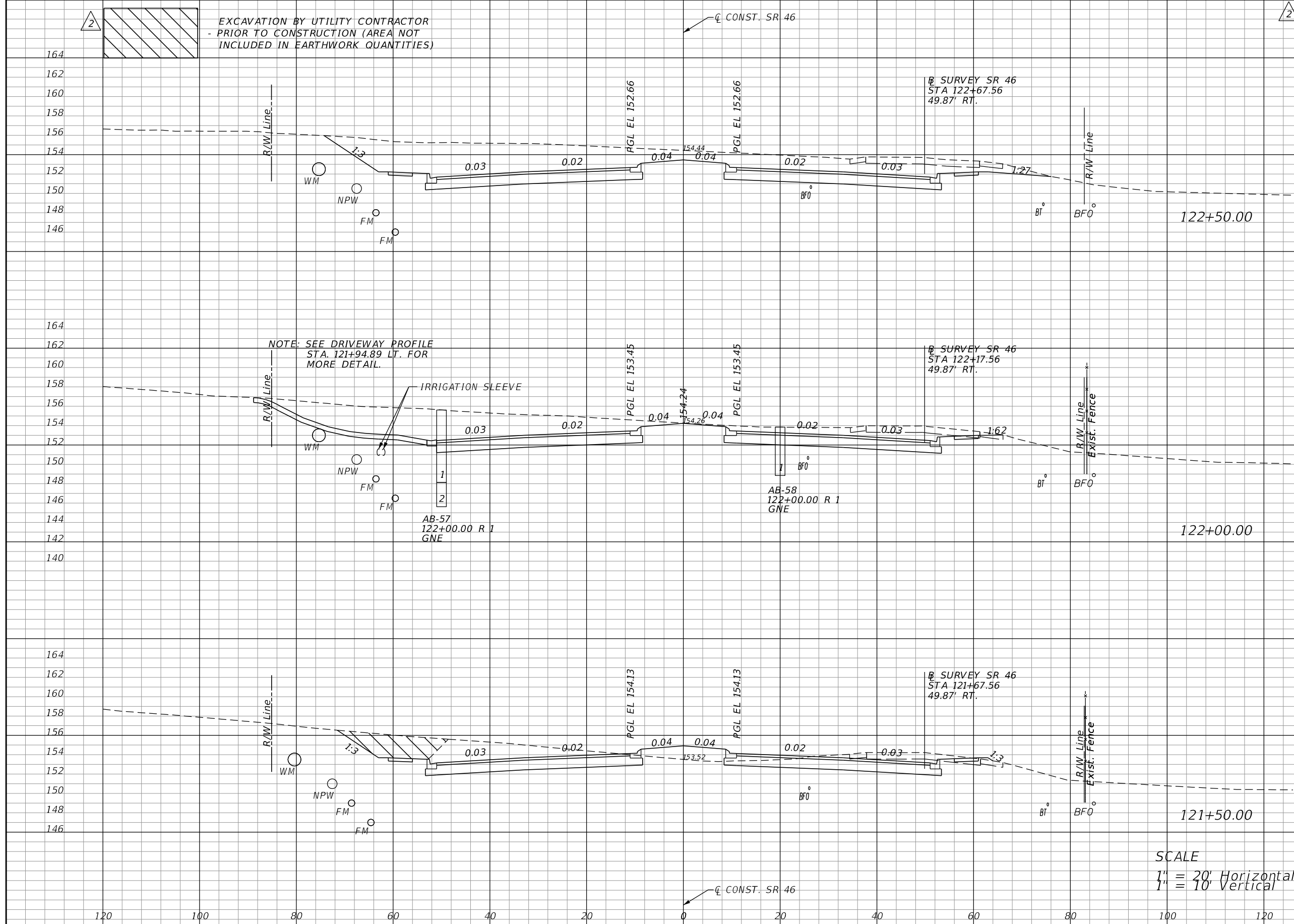
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (24)
SR 46

SHEET NO.
 119

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
382			20		
	657				37
328			20		
	463				58
172			42		
	277				85

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

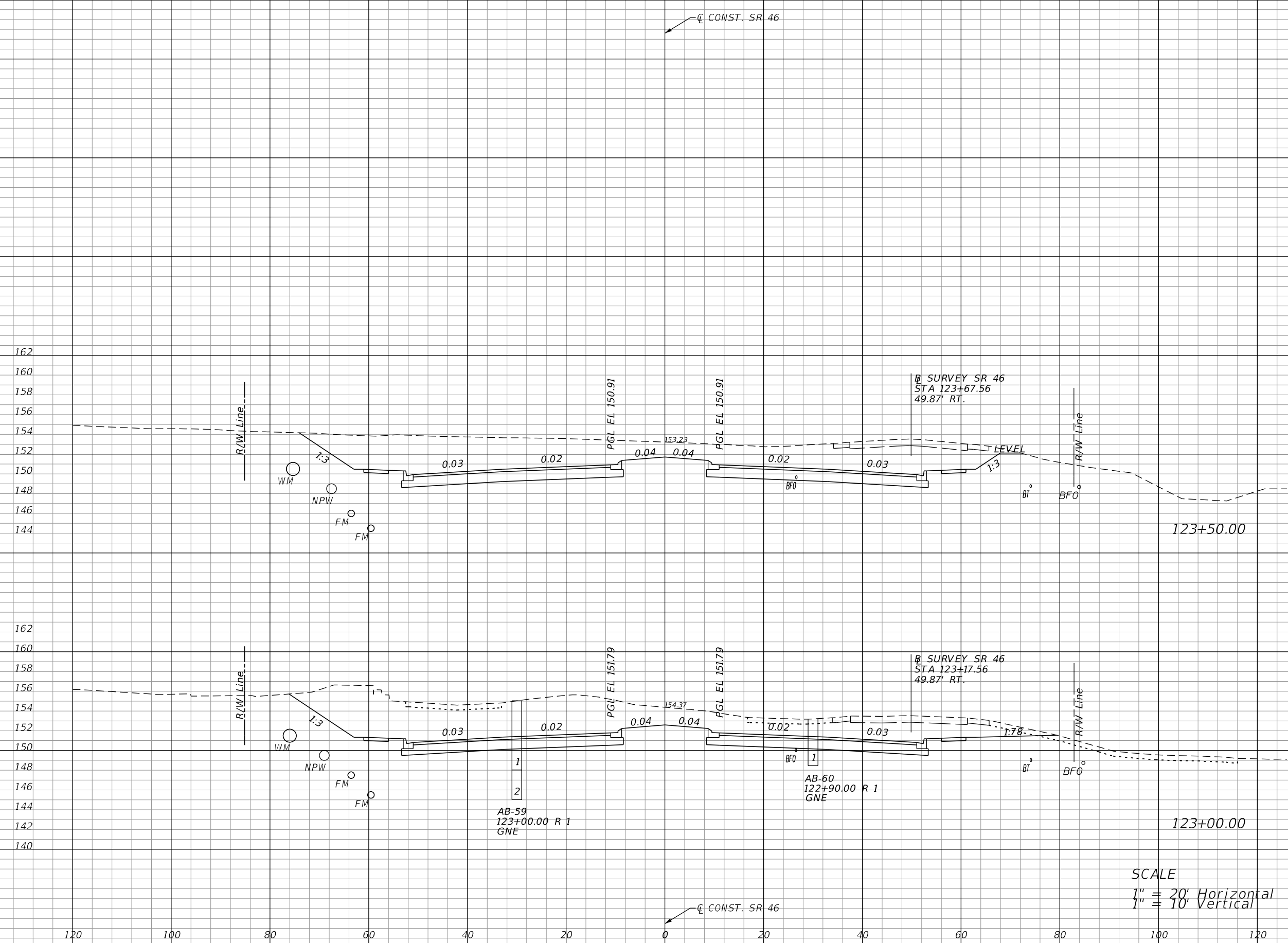
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (24)		SHEET NO.
SR 46		119

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
472			20		
	903			37	
504			20		
	820			37	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

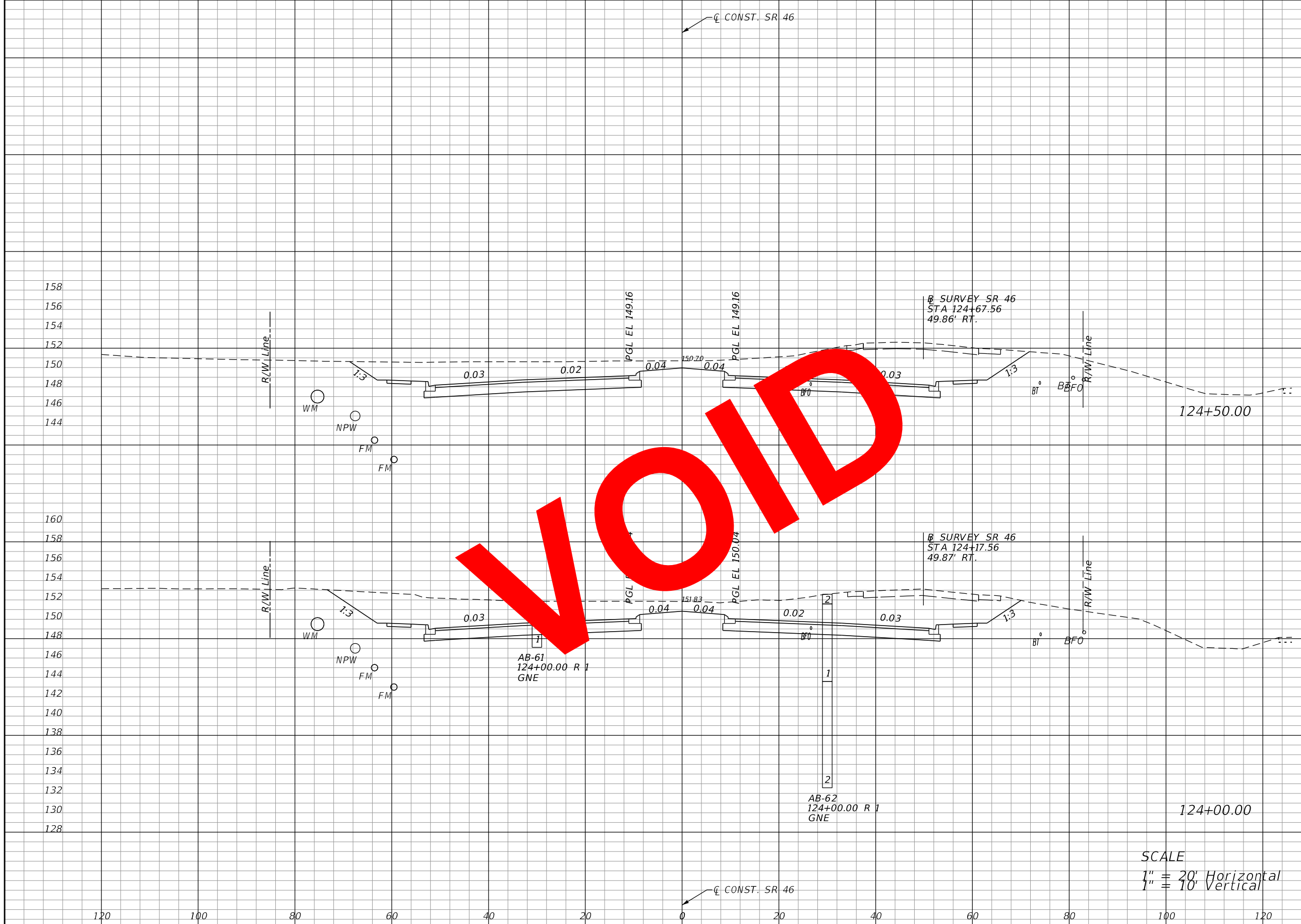
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (25)
SR 46

SHEET NO.
 120

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
406			20		
	781				37
437			20		
	842				37

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

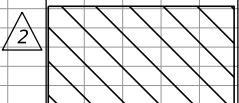
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (26)
SR 46

SHEET NO.
 121

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

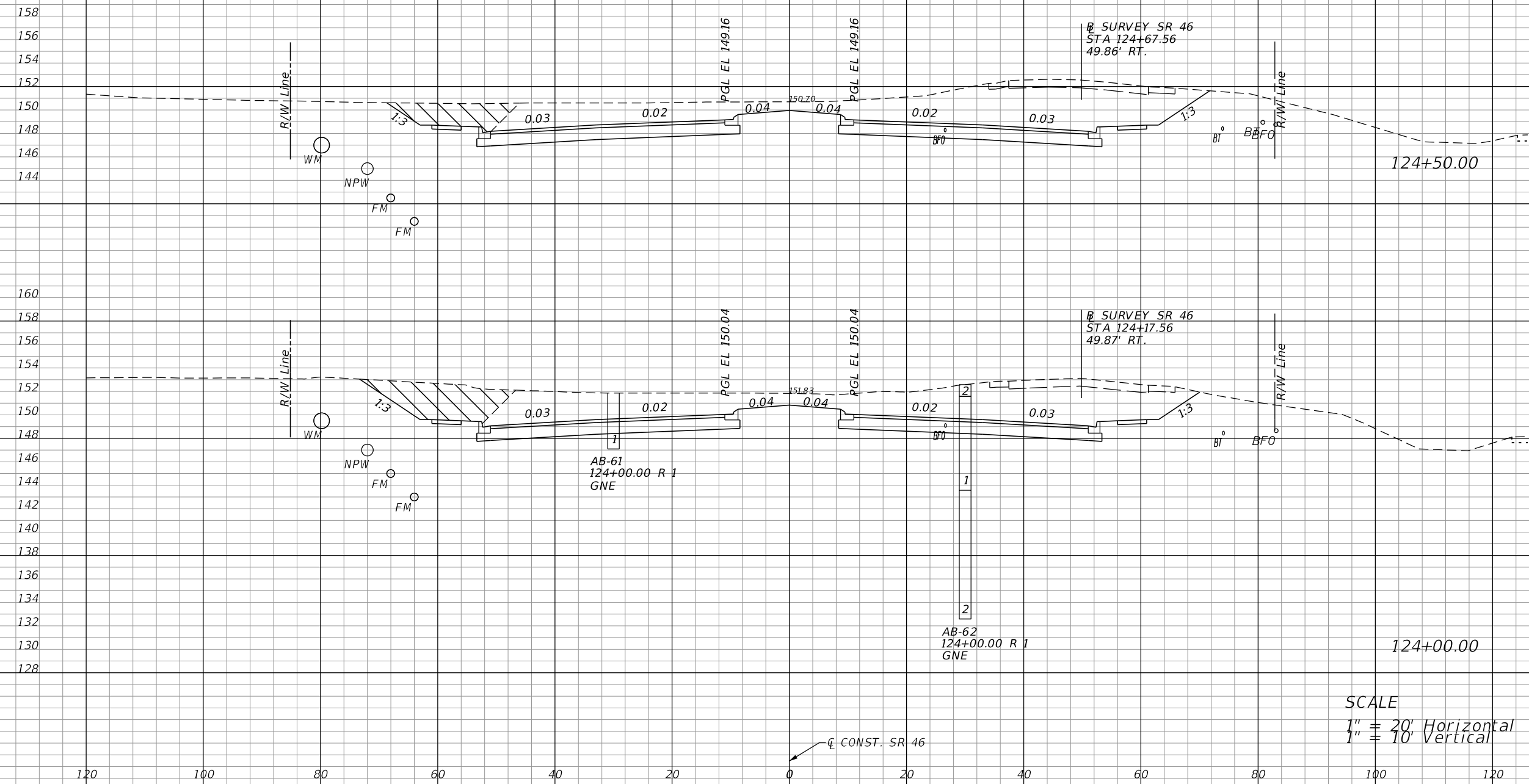


EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

2

Regular		Exc.		Embankment	
A	V	A	V	A	V



391

733

20

37

400

808

20

37

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

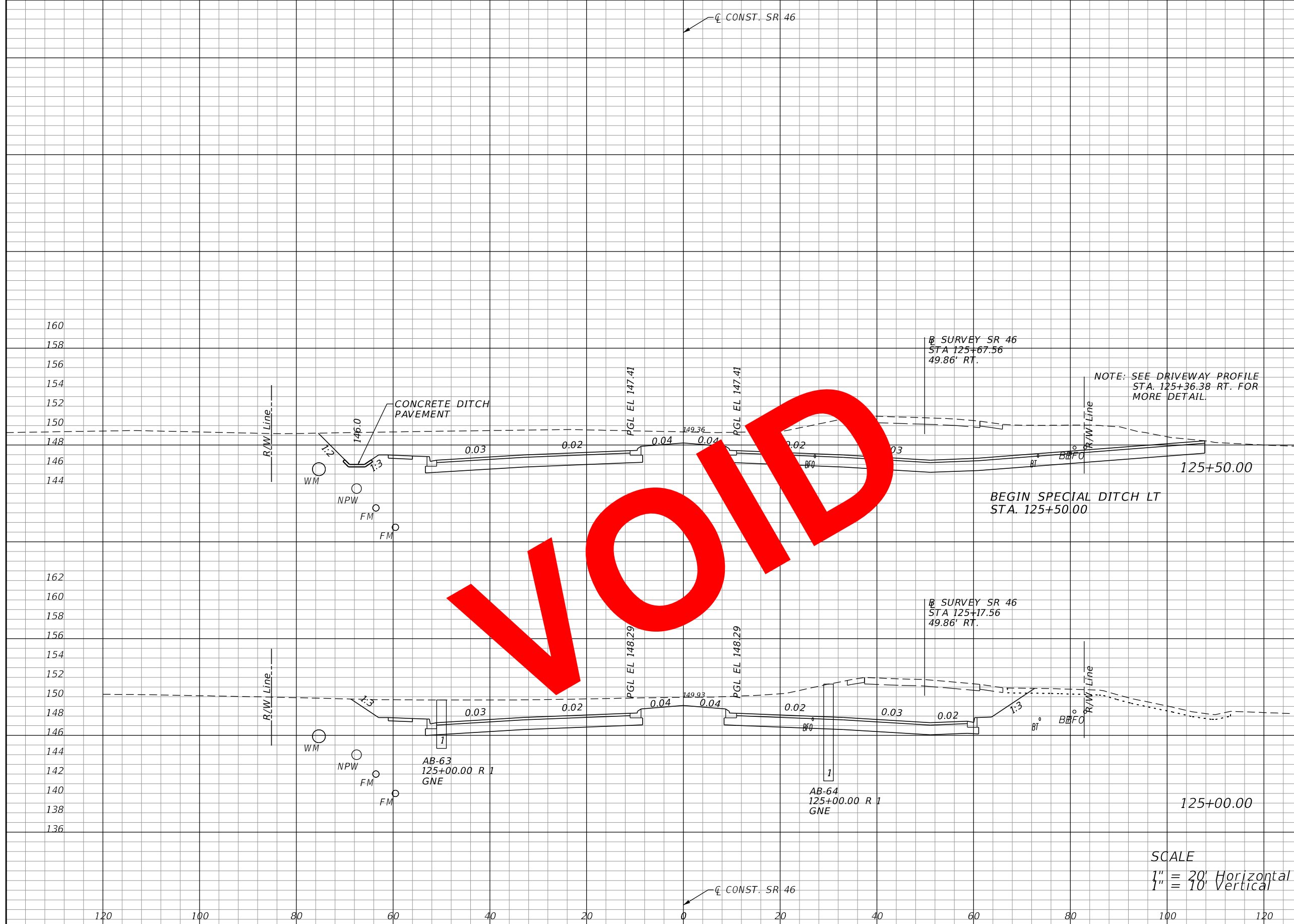
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (26)
SR 46

SHEET NO.
121

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
617			35		
	965			52	
426			22		
	771			39	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

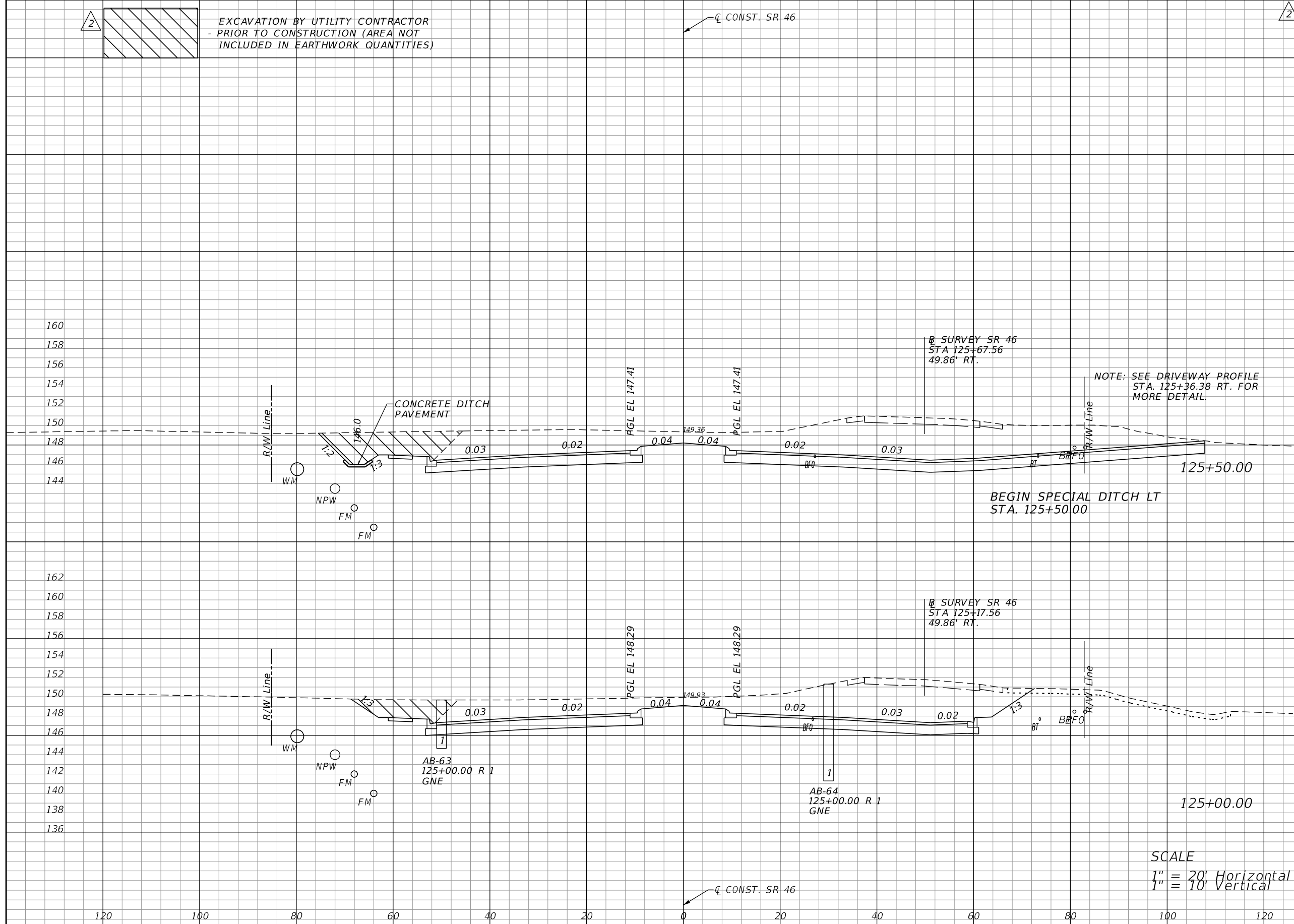
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (27)		SHEET NO.
SR 46		122

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
585		35			
	925		52		
414		22			
	746		39		



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

B SURVEY SR 46
STA 125+67.56
49.86' RT.

NOTE: SEE DRIVEWAY PROFILE
STA. 125+36.38 RT. FOR
MORE DETAIL.

BEGIN SPECIAL DITCH LT
STA. 125+50.00

B SURVEY SR 46
STA 125+17.56
49.86' RT.

AB-63
125+00.00 R 1
GNE

AB-64
125+00.00 R 1
GNE

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

CONST. SR 46

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

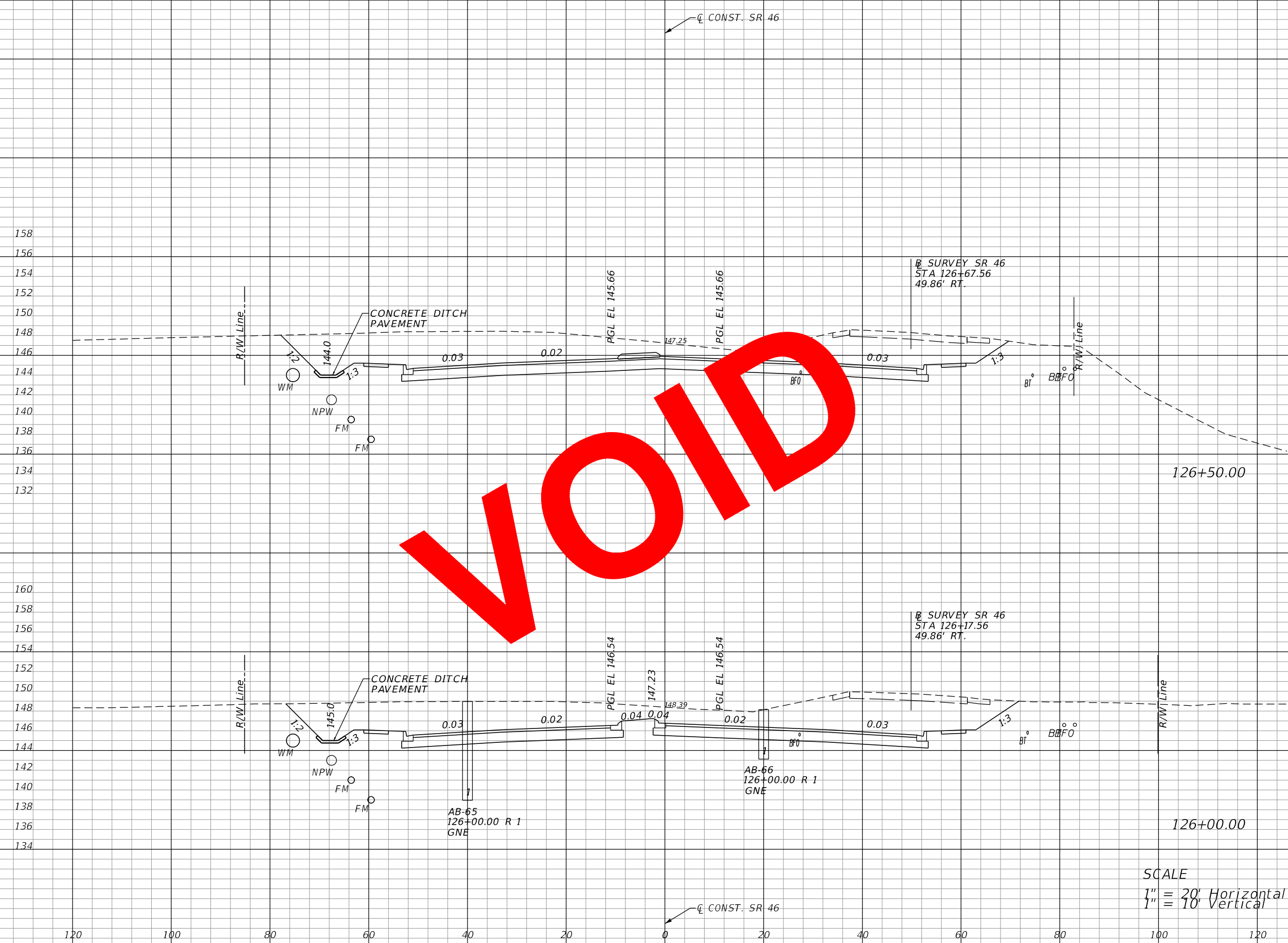
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (27)
SR 46

SHEET
NO.
122

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



Regular	Exc.	Embankment	
		A	V
492		25	
922		44	
504		23	
1037		53	

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

VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

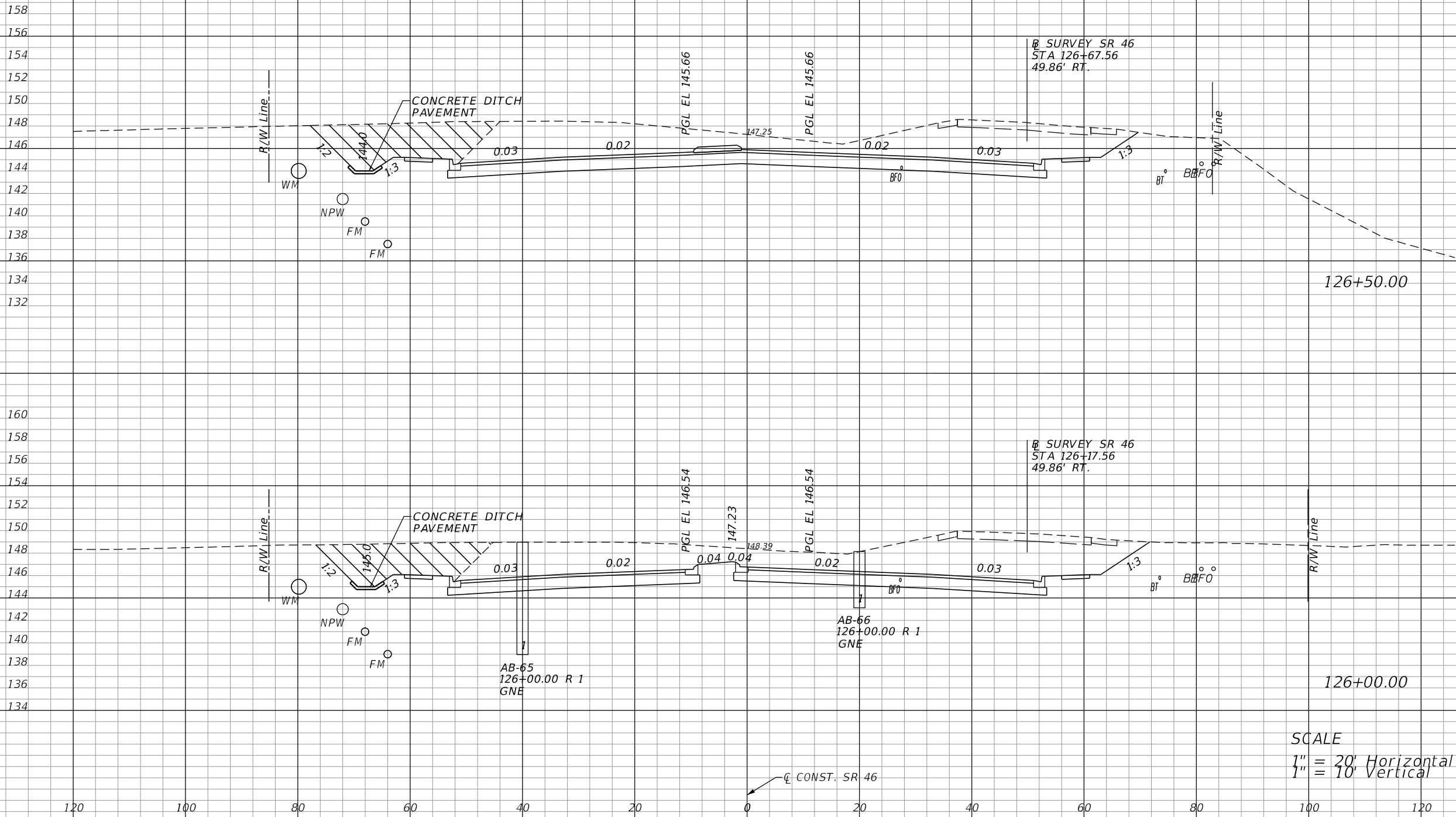
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (28) SR 46		SHEET NO.
		123

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
424	806	25	44	447	955



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CL CONST. SR 46

B SURVEY SR 46
STA 126+67.56
49.86' RT.

B SURVEY SR 46
STA 126+17.56
49.86' RT.

AB-65
126+00.00 R 1
GNE

AB-66
126+00.00 R 1
GNE

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

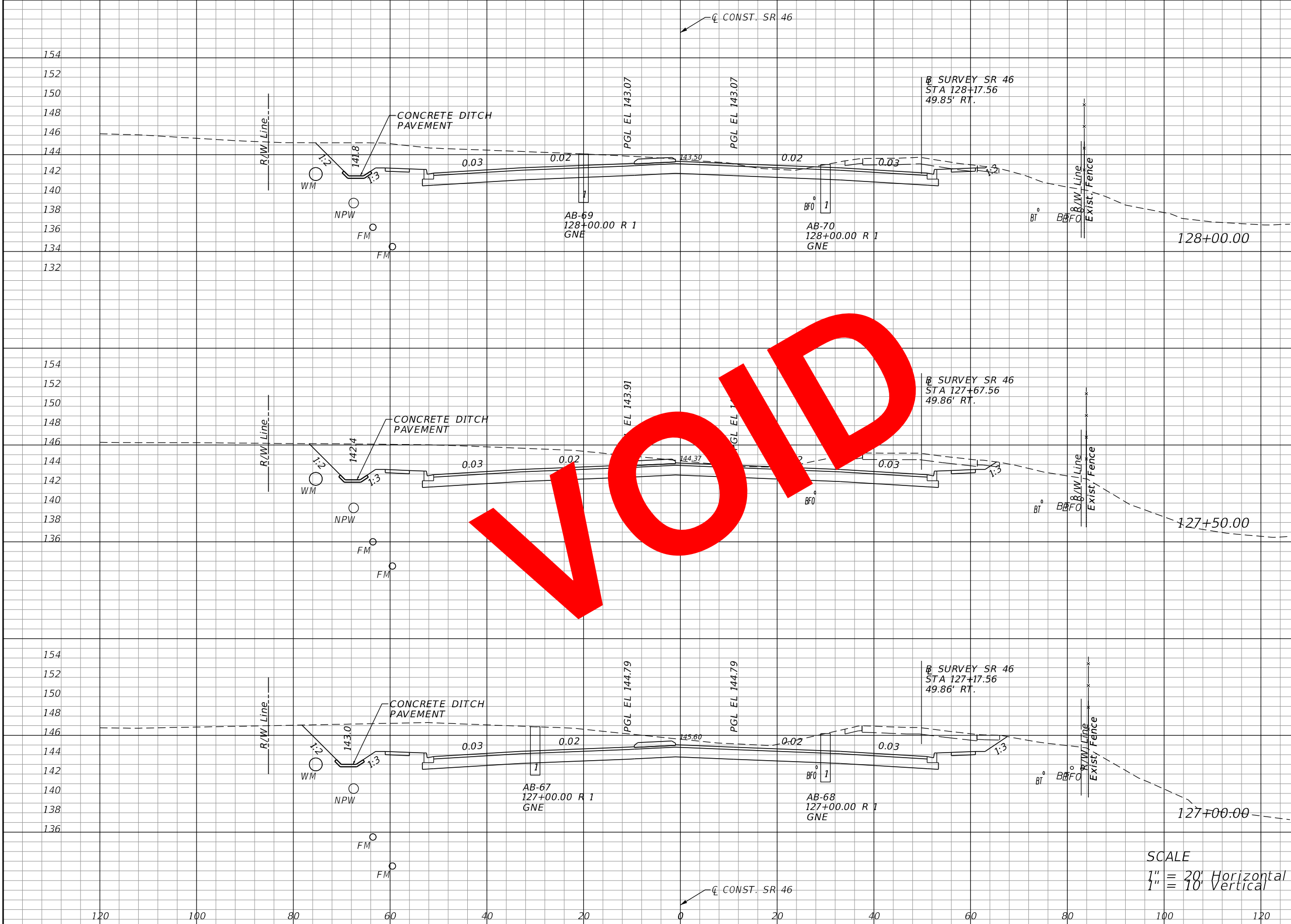
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (28)
SR 46

SHEET NO.
123

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
275			25	25	
	564			46	
333			25	25	
	688			46	
410			25	25	
	835			46	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

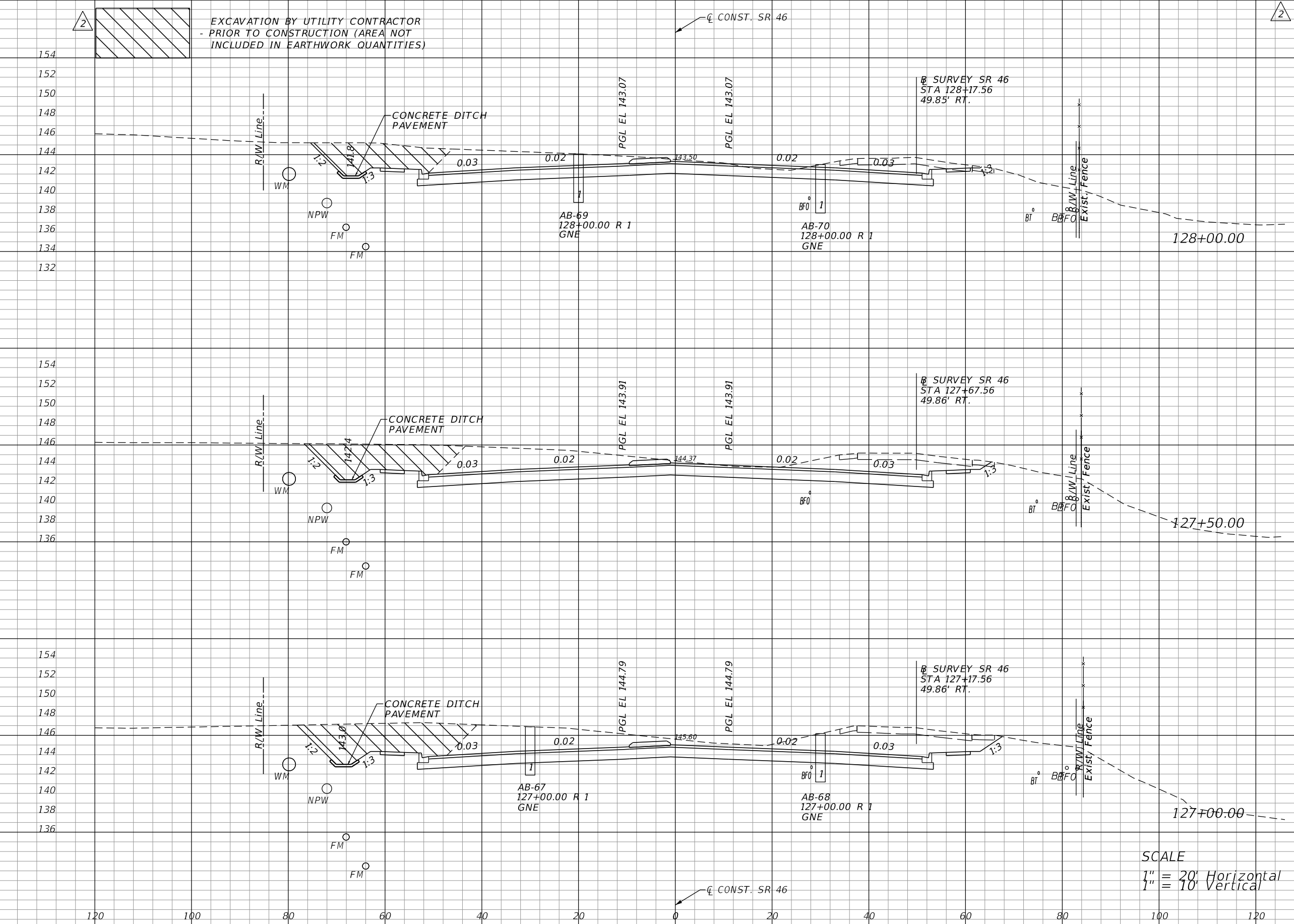
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (29)
SR 46

SHEET NO.
 124

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

Regular	Exc.	Embankment	
		A	V
231	469	25	46
275	561	25	46
331	699	25	46



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

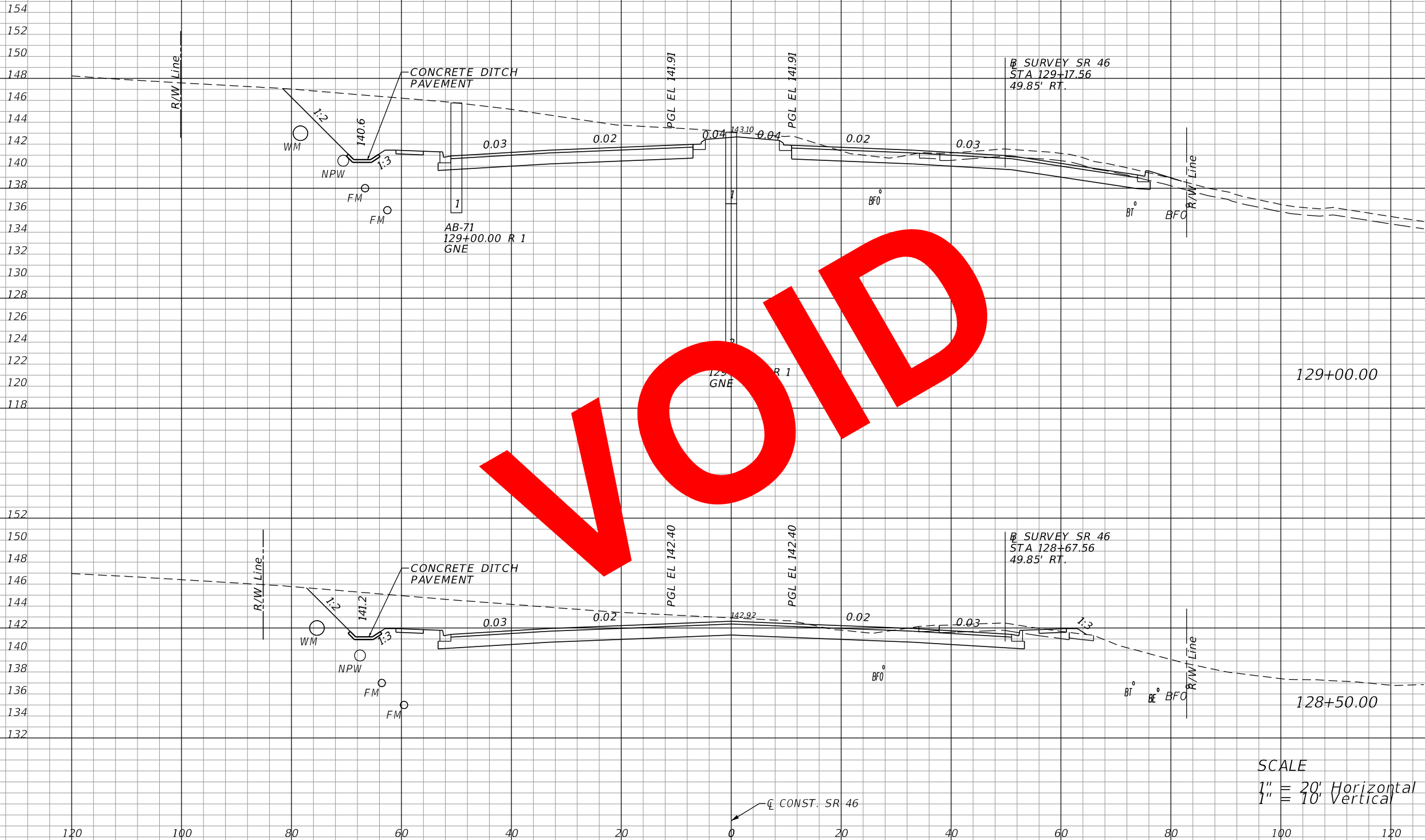
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (29)
SR 46

SHEET NO.
124

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

VOID



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
129+00.00	404				27	
128+50.00	283				27	
			636			50
					517	48

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

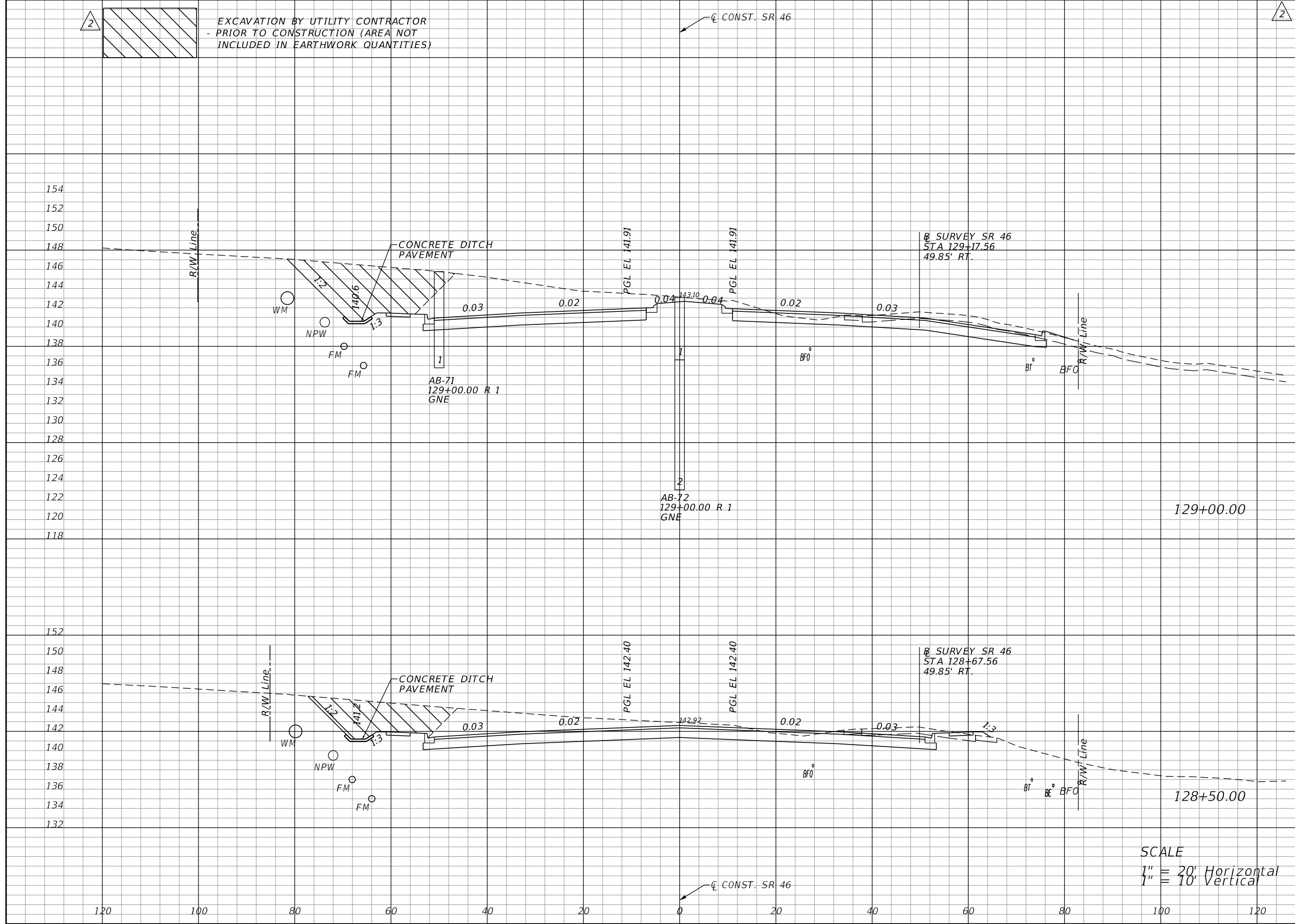
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (30)
SR 46

SHEET NO.
 125

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

Regular	Exc.	Embankment	
		A	V
298	483	27	50
224	421	27	48



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

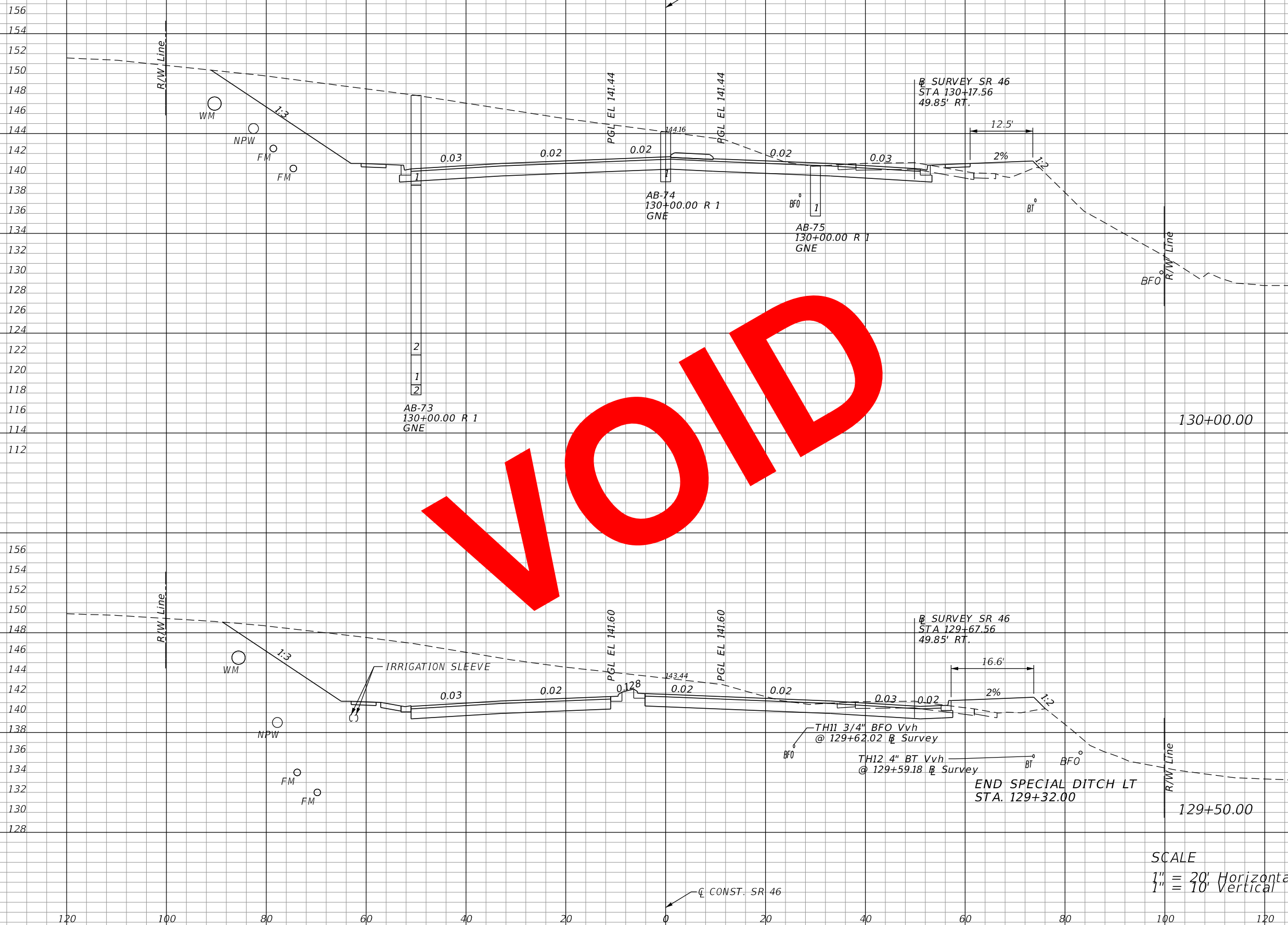
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (30)
SR 46

SHEET NO.
 125

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
598			42		
	1012				81
		495	46		
				833	67

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

VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

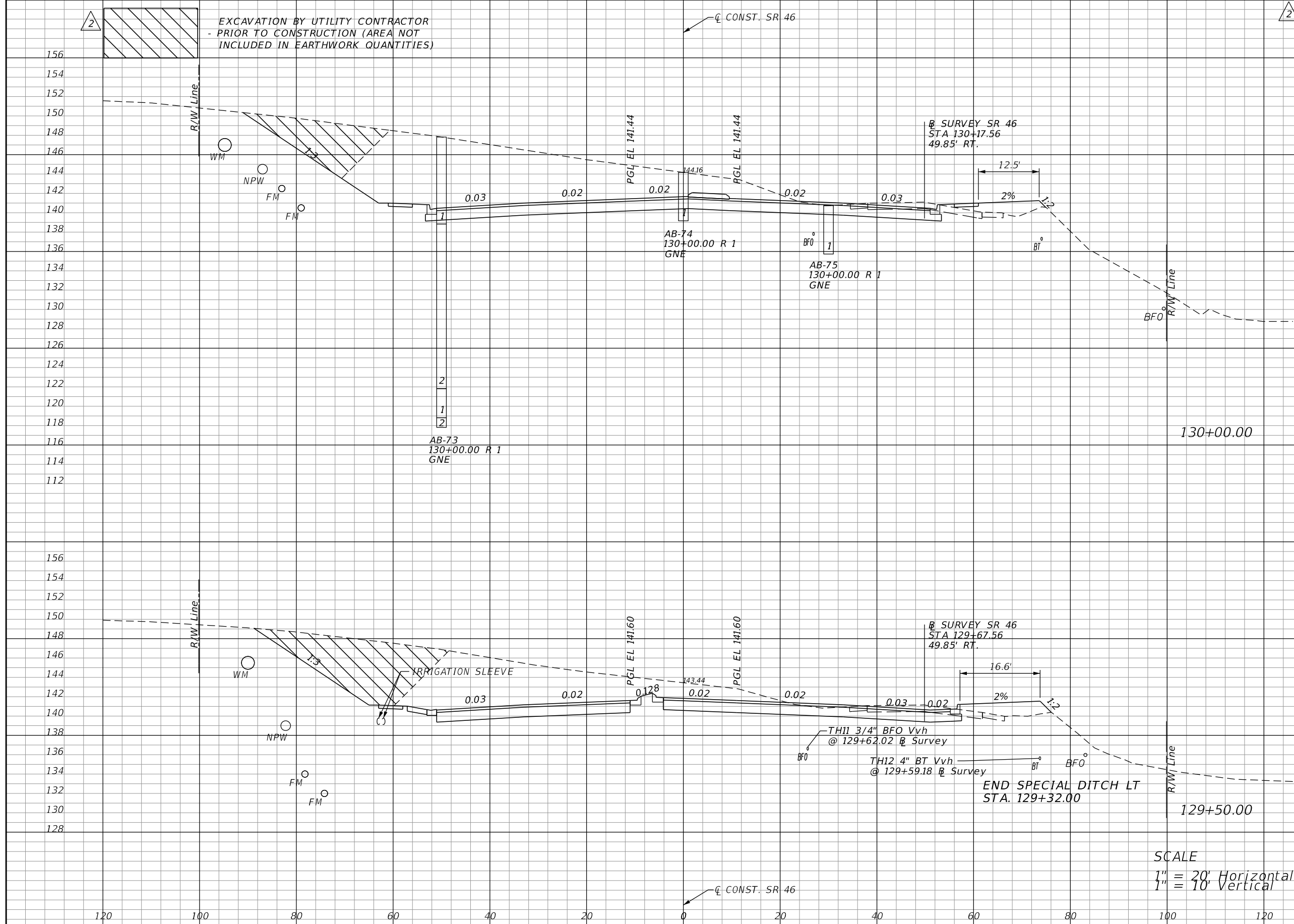
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (31)
SR 46

SHEET NO.
 126

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
535	834	42		81	
366	615	46		67	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

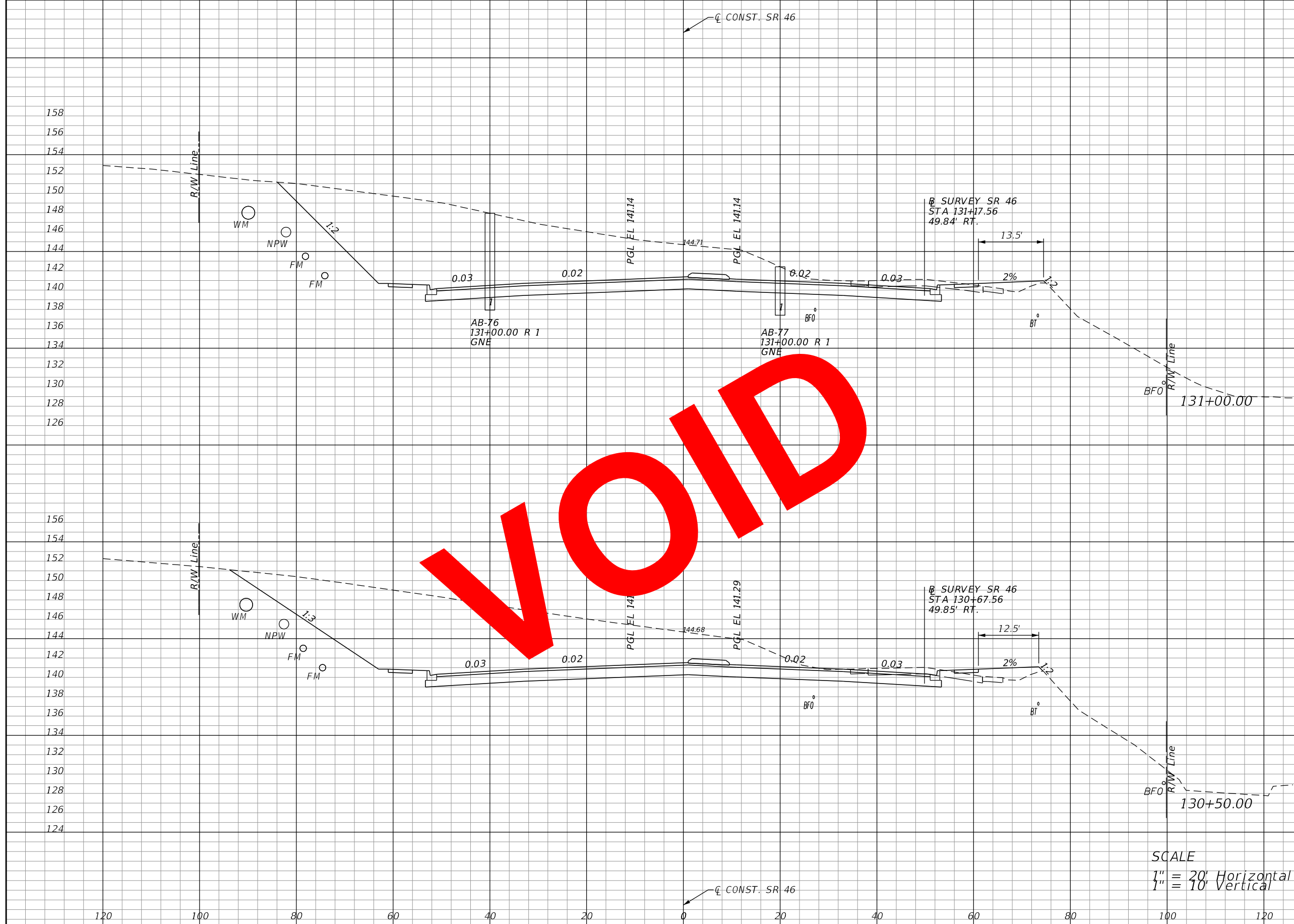
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (31)
SR 46

SHEET NO. 126

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
689				33	
	1268				66
680				38	
	1183				74

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

VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

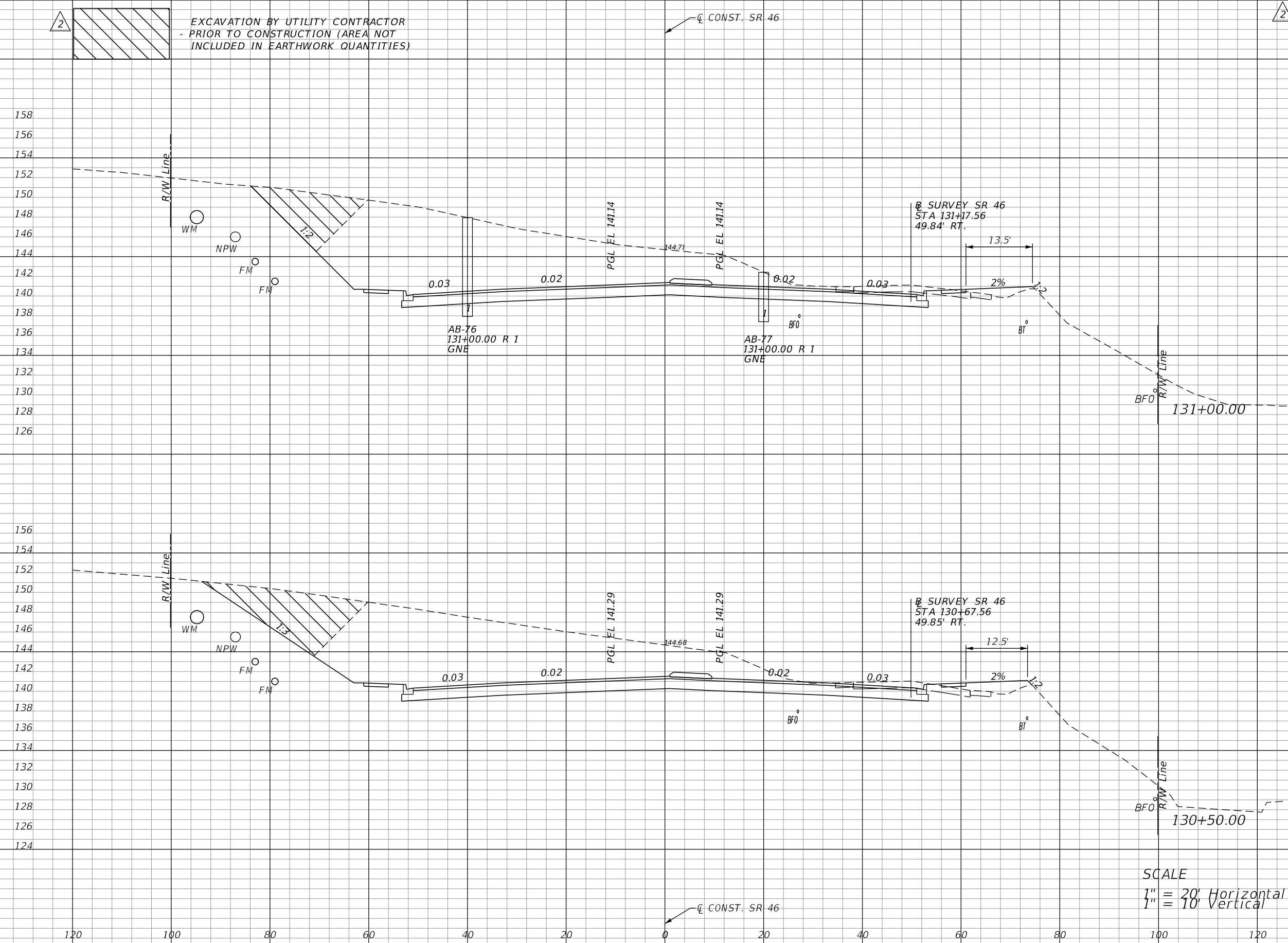
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (32)
SR 46

SHEET NO.
 127

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
644			1150	33	66
598			1049	38	74



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

☐ CONST. SR 46

B SURVEY SR 46
STA 131+17.56
49.84' RT.

B SURVEY SR 46
STA 130+67.56
49.85' RT.

AB-76
131+00.00 R 1
GNE

AB-77
131+00.00 R 1
GNE

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

☐ CONST. SR 46

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

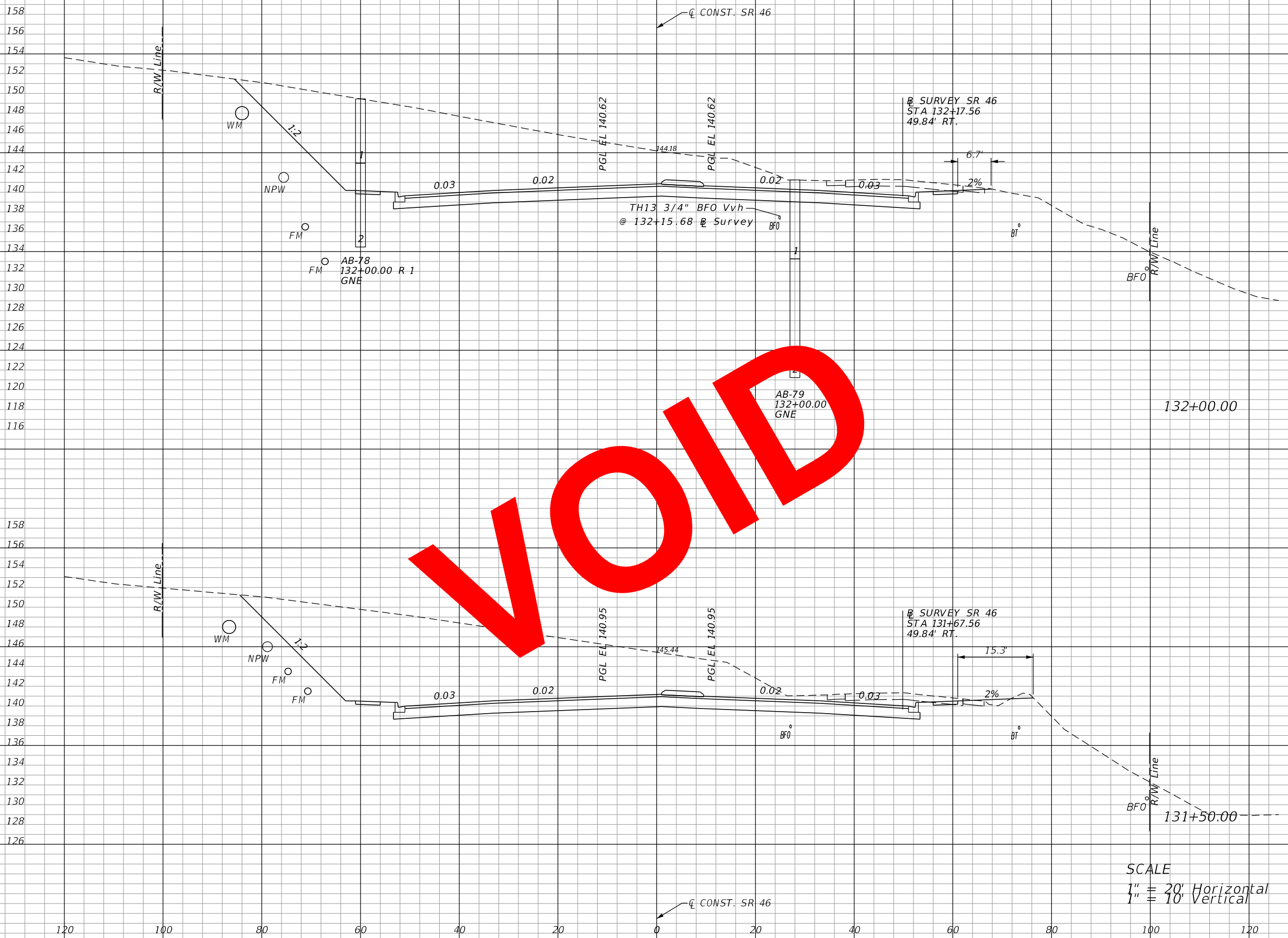
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (32)
SR 46

SHEET NO.
127

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

VOID



	Regular		Exc.		Embankment	
	A	V	A	V	A	V
132+00.00	750		25			
		1411		48		
131+50.00	775		27			
		1356		56		

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

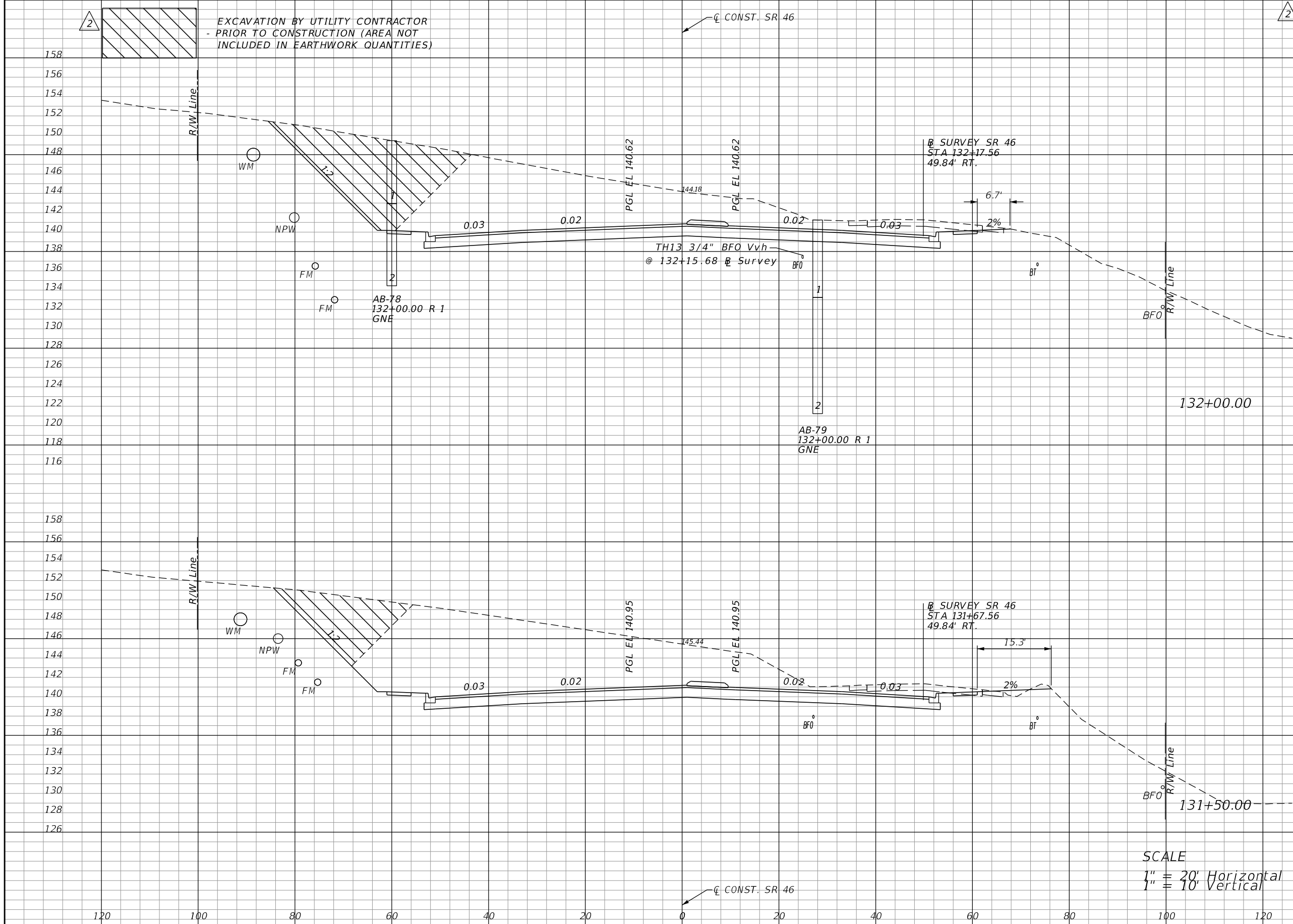
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (33)
SR 46

SHEET NO.
 128

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
534			1139	25	
696			1241	27	
					56

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

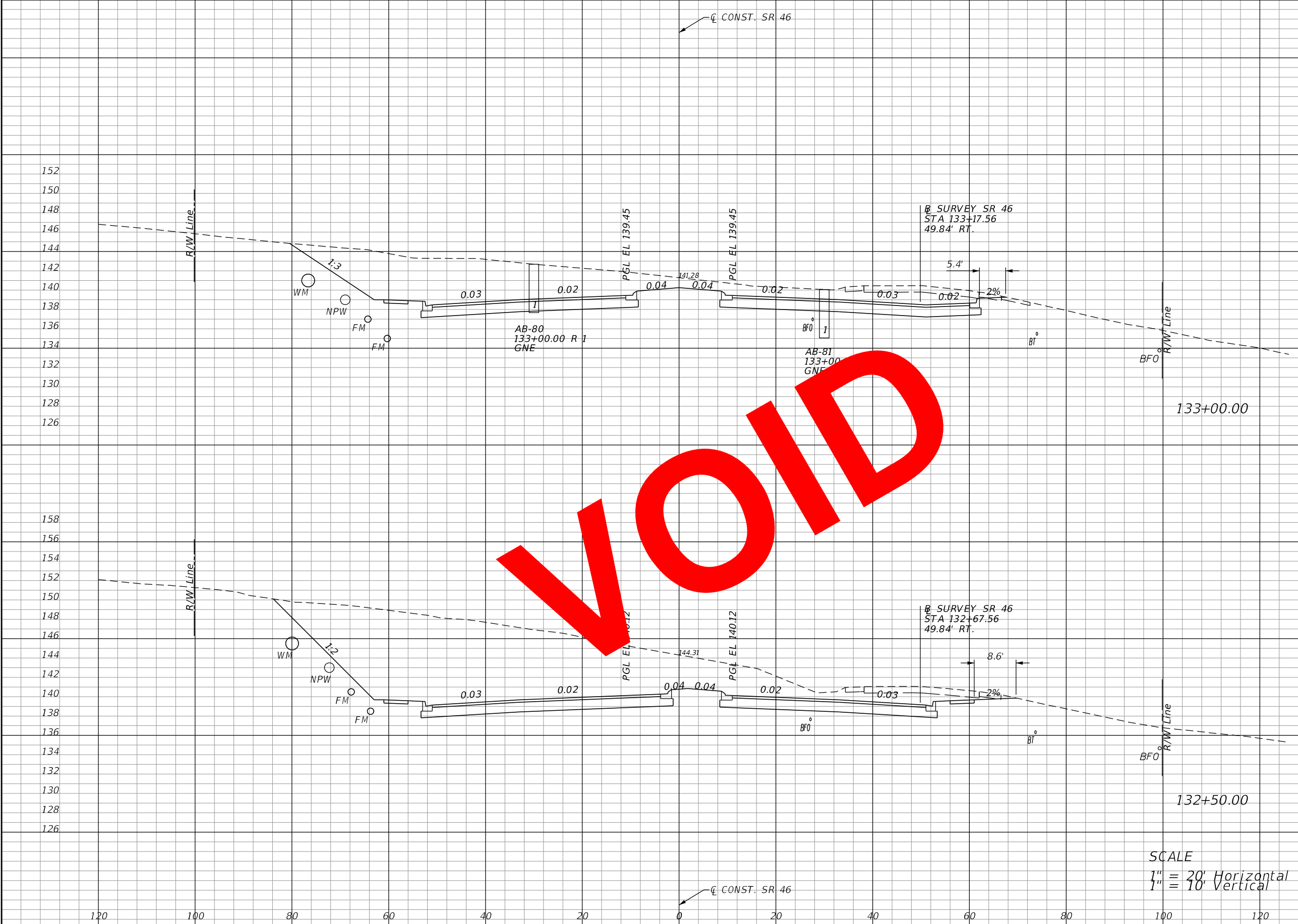
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (33)
SR 46

SHEET NO.
 128

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
452			22		
	1135				41
		774	22		
					43

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

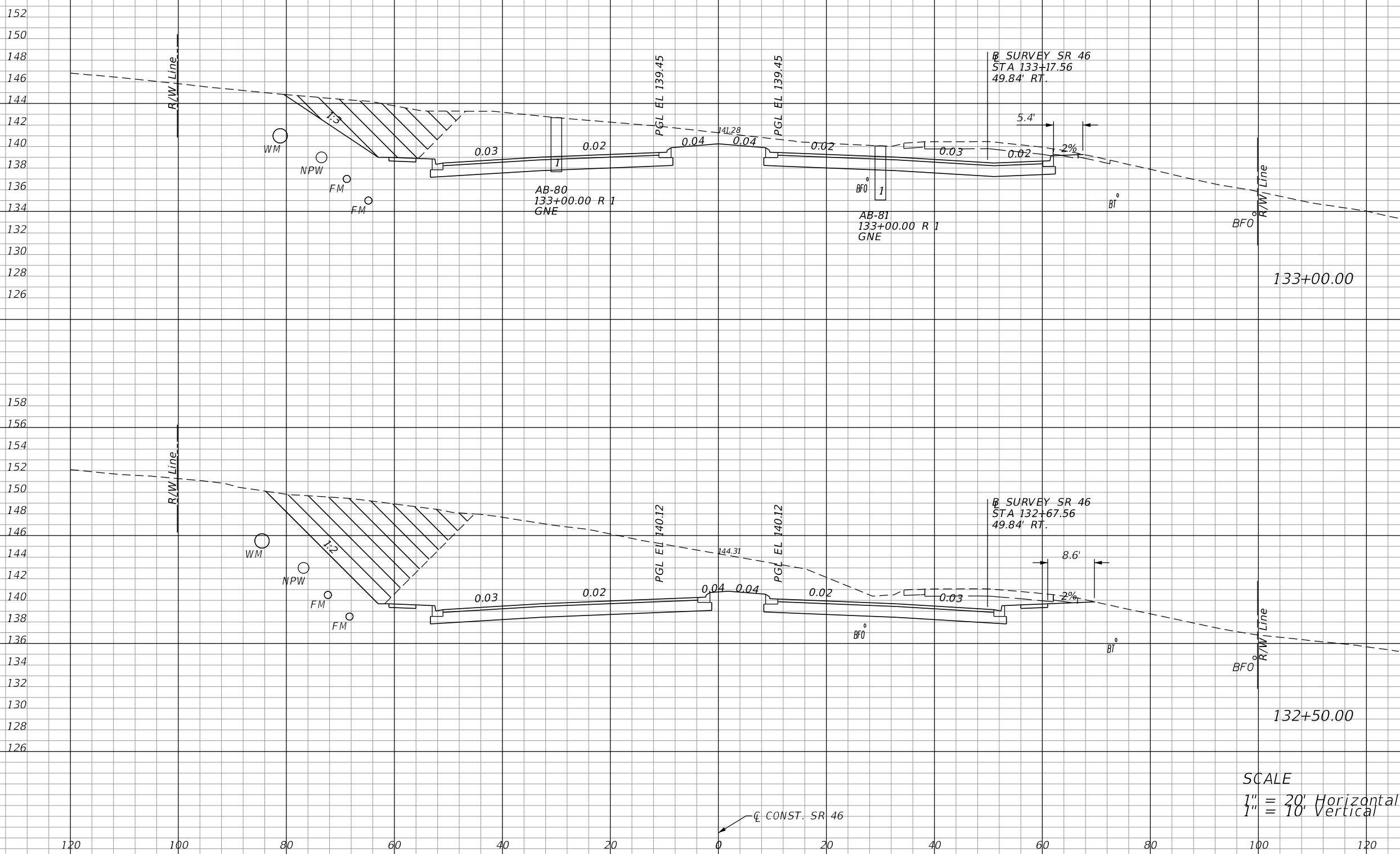
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (34)
SR 46

SHEET NO.
 129

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
376			443	22	41
103			589	22	43



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

B SURVEY SR 46
STA 133+17.56
49.84' RT.

AB-80
133+00.00 R 1
GNE

AB-81
133+00.00 R 1
GNE

B SURVEY SR 46
STA 132+67.56
49.84' RT.

CONST. SR 46

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

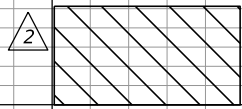
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (34)
SR 46

SHEET NO.
129

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

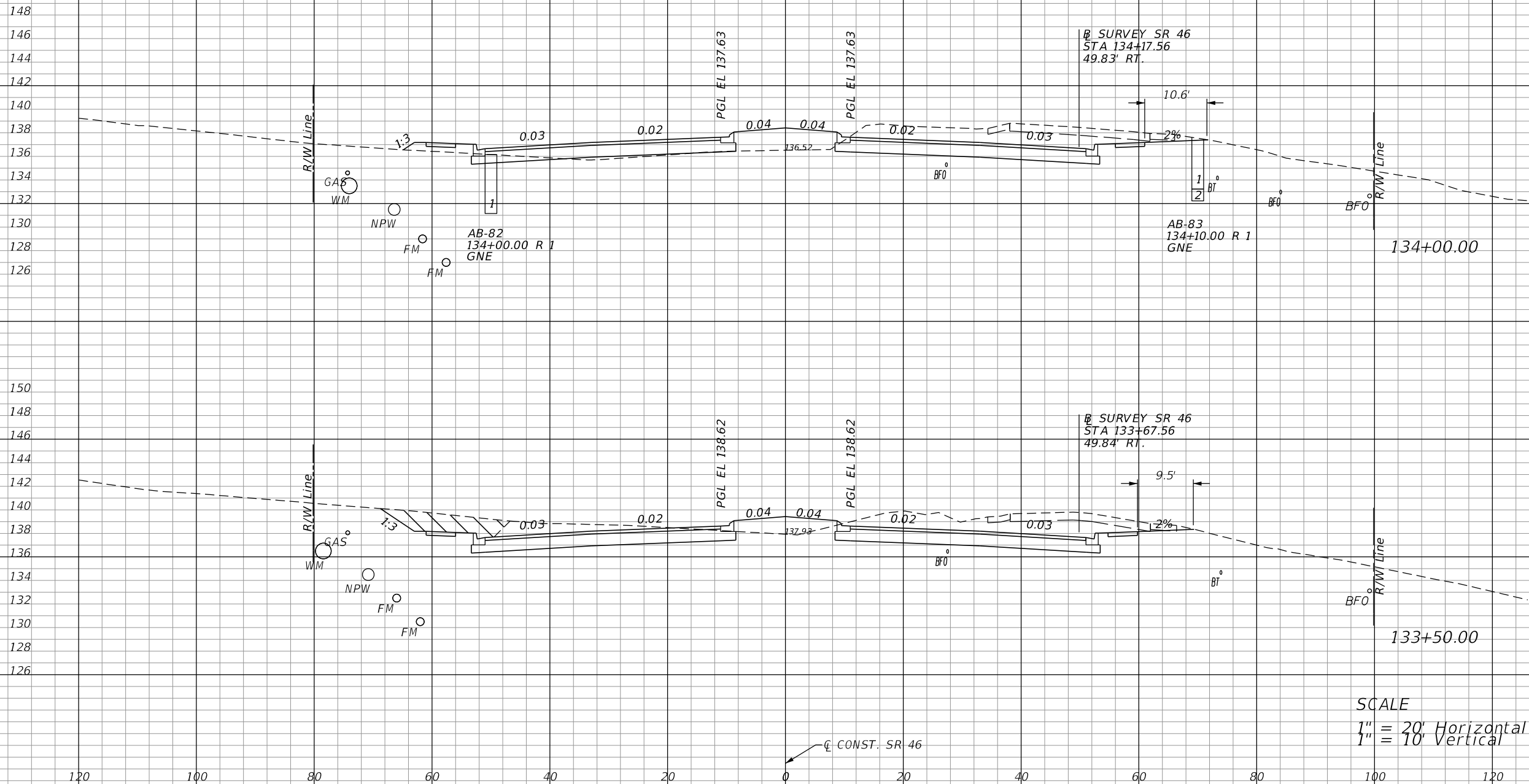


EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

2

Regular		Exc.		Embankment	
A	V	A	V	A	V
125				59	
		304			92
203				40	
		536			57

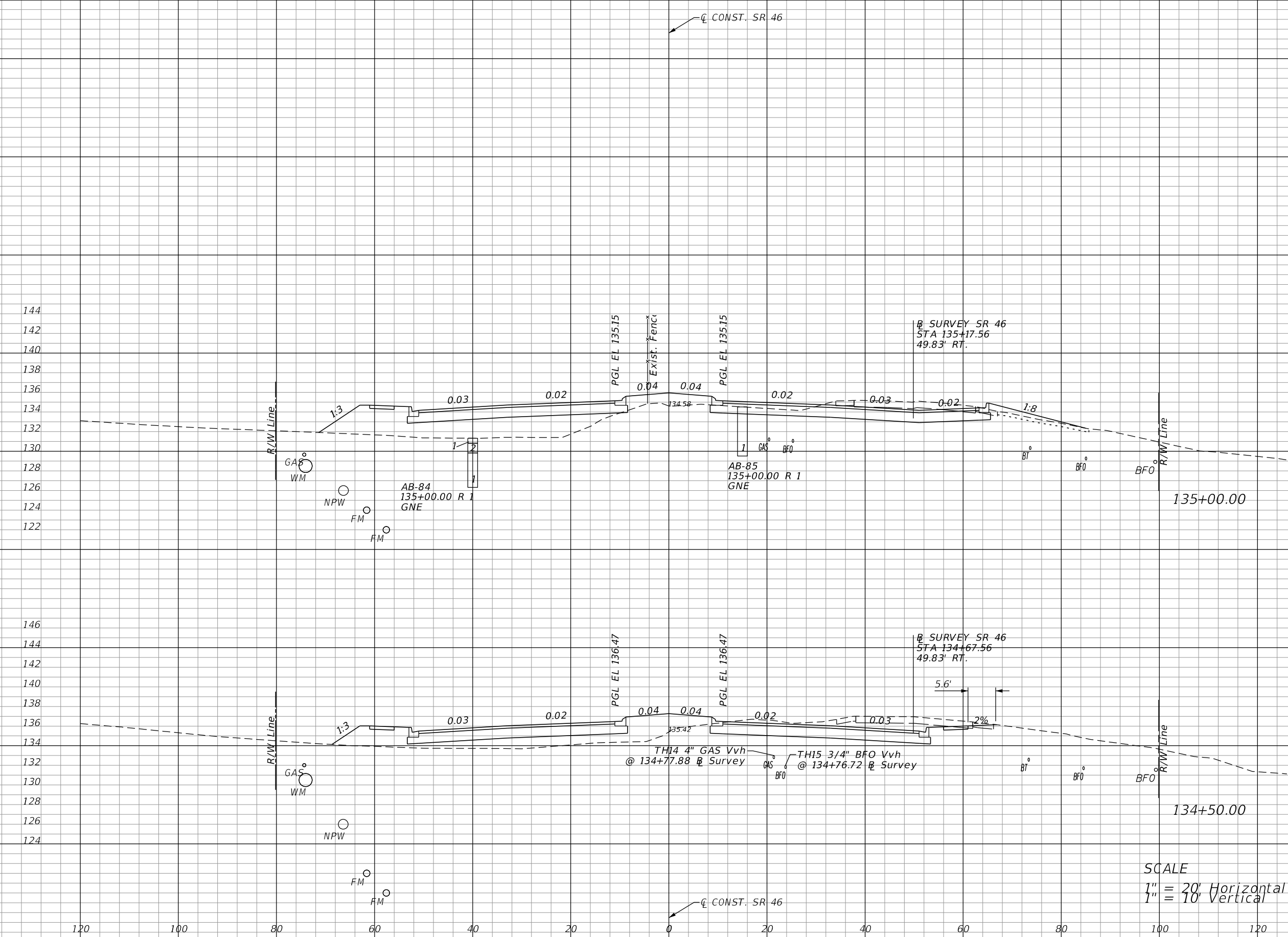


SCALE
1" = 20' Horizontal
1" = 10' Vertical

CONST. SR 46

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBAY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (35) SR 46	SHEET NO. 130
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
06-01-17	2 REVISED EXISTING GROUND			46	LAKE	238275-3-52-01			

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



Regular	Exc.	Embankment	
		A	V
70			163
	142		257
83			115
	193		161

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

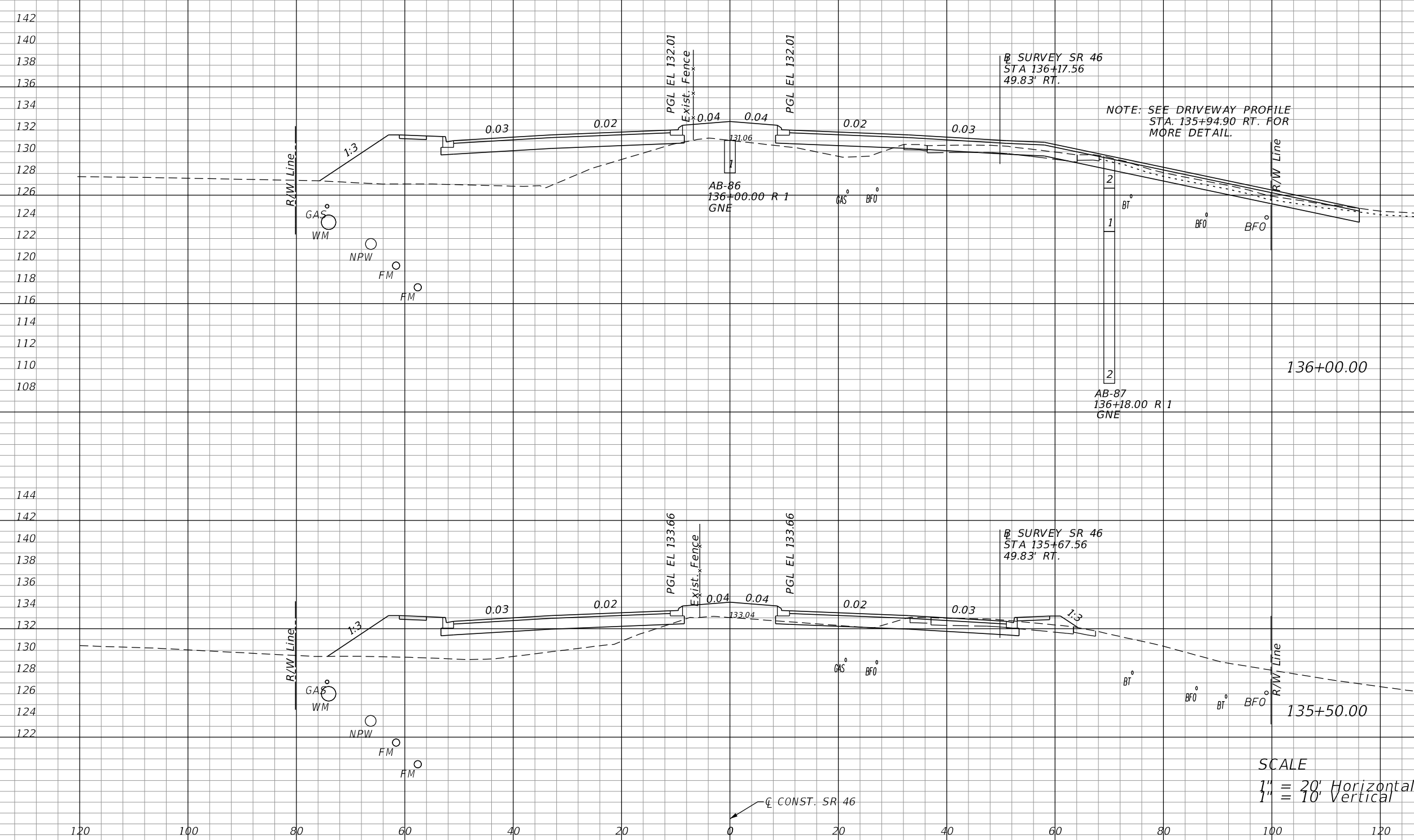
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (36)		SHEET NO.
SR 46		

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



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
136+00.00	64				250	
135+50.00	28				180	
			85			398
						317
			91			

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

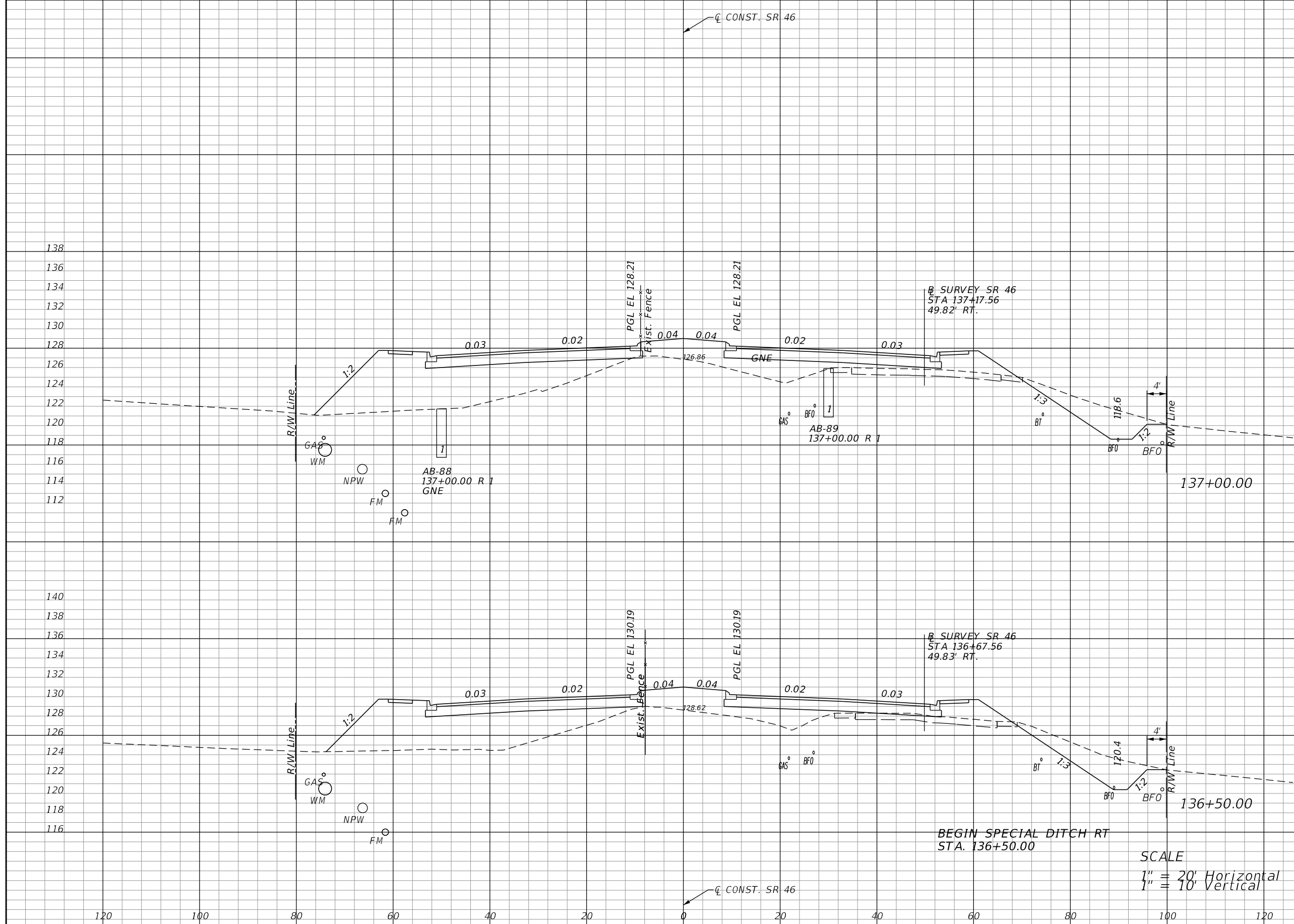
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (37)
SR 46

SHEET NO.
 132

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
50				344	
	95				580
52				283	
	107				494

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

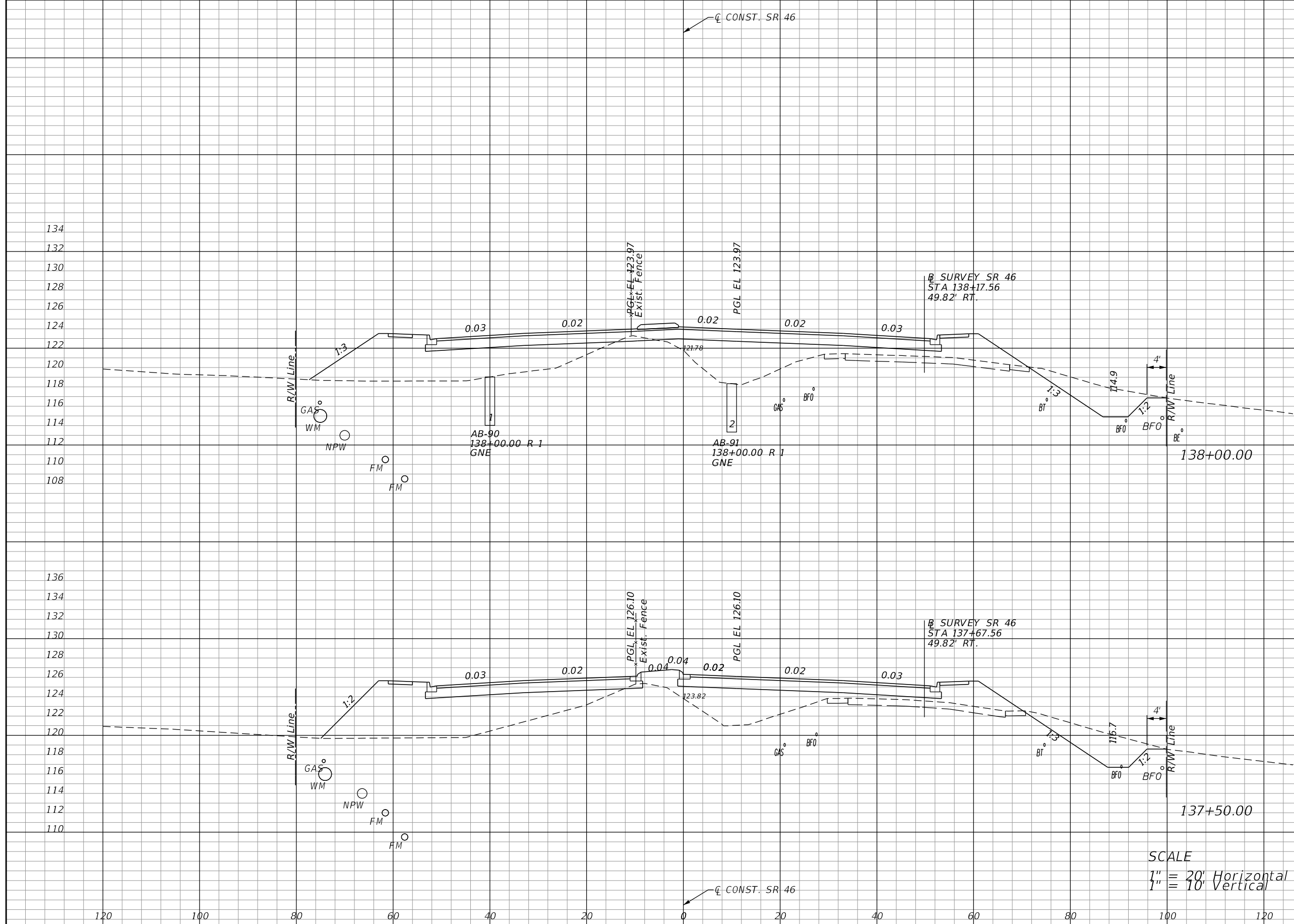
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (38)
SR 46

SHEET NO.
 133

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
49			340		
	96				645
54			357		
	96				649

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

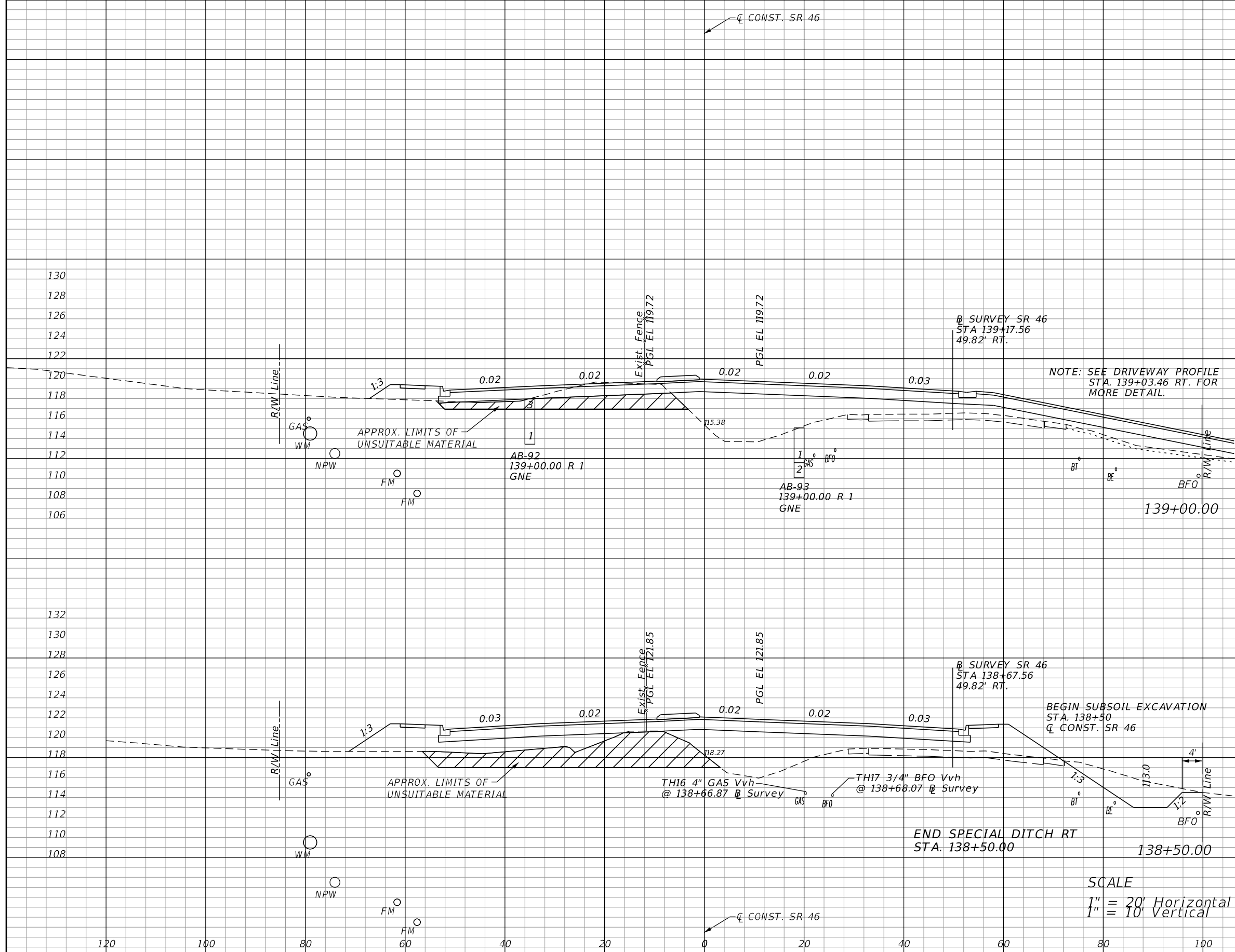
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
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 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (39)		SHEET NO.
SR 46		134

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	V	A	V	A	V
55		13		260	
	167		54		493
125		44		273	
			87		567

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

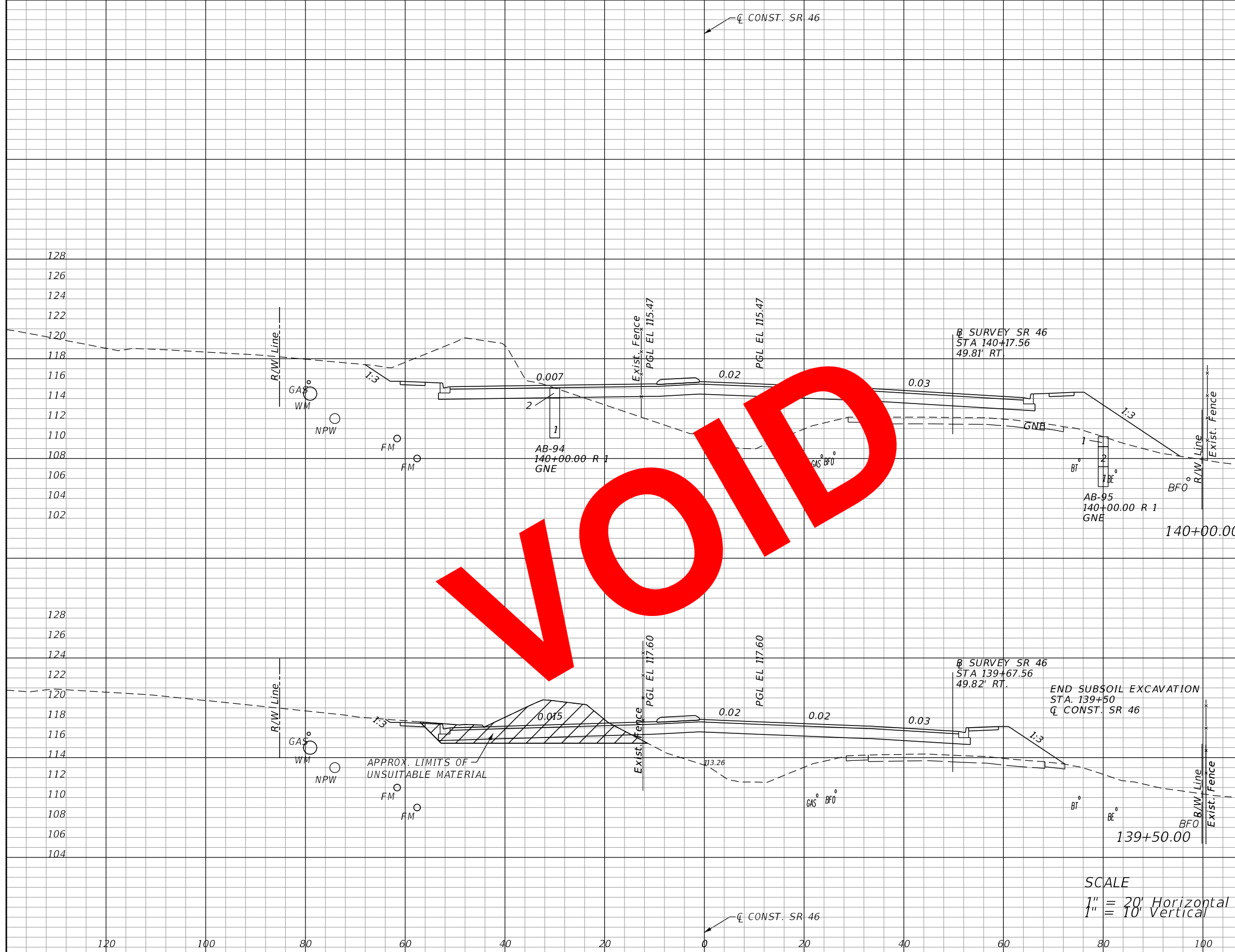
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (40) SR 46		SHEET NO.
		135

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	V	A	V	A	V
			125	312	
			118		504
113		3		233	
	156		15		456

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

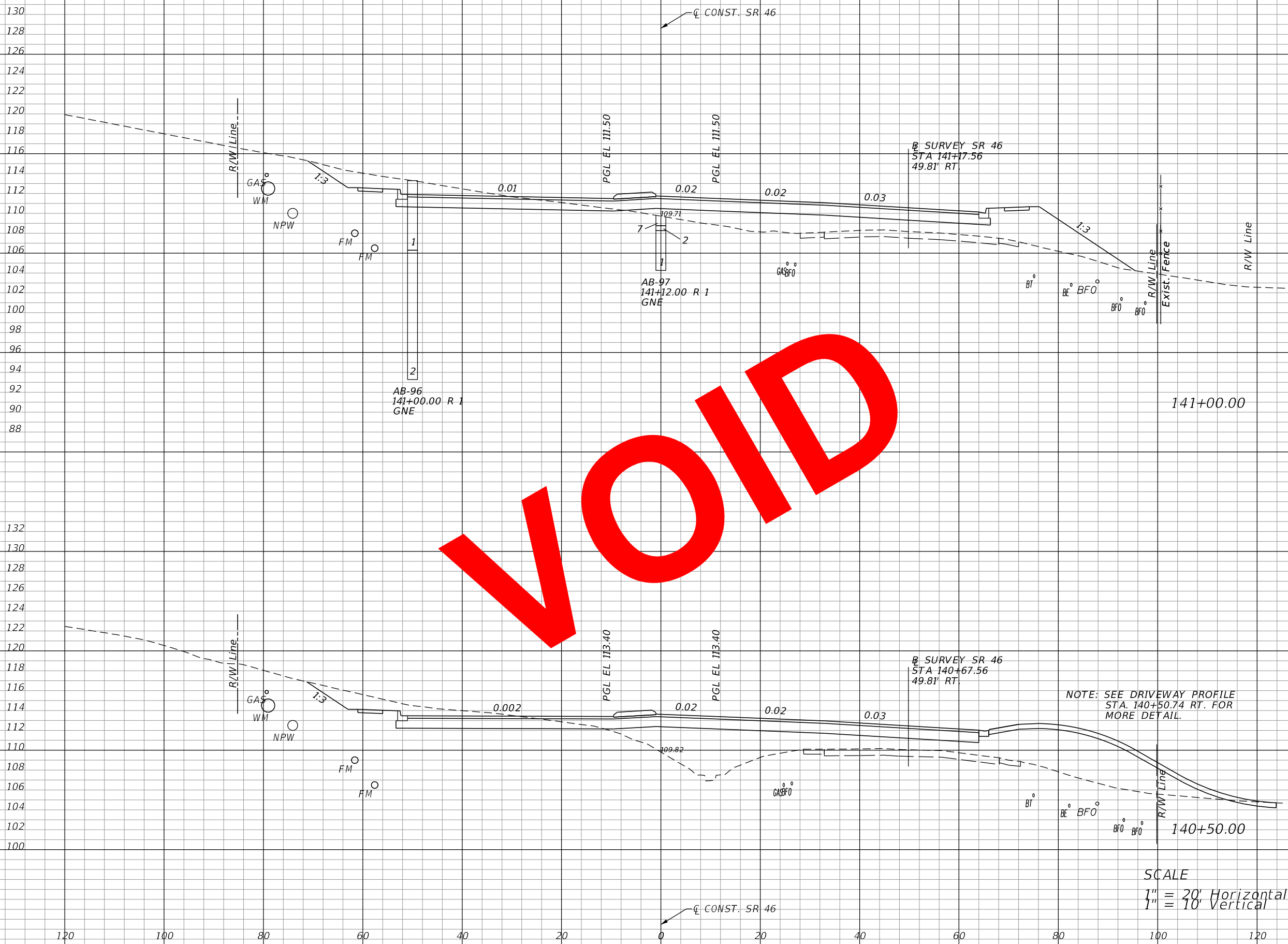
LOCHRANE ENGINEERING, INC.
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 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (41)
SR 46

SHEET NO.
136

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



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
141+00.00	78				195	
140+50.00	76				327	
			143			483
				186		591

NOTE: SEE DRIVEWAY PROFILE STA. 140+50.74 RT. FOR MORE DETAIL.

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

VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

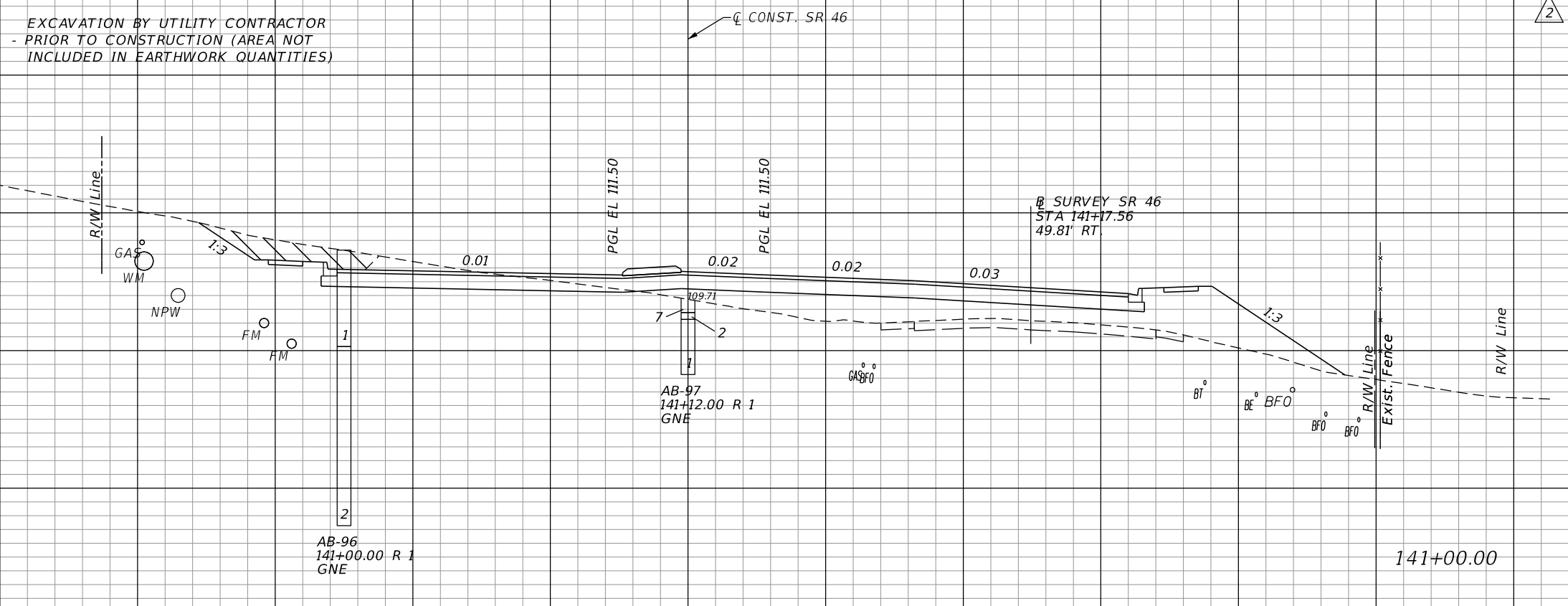
LOCHRANE ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (42)		SHEET NO.
SR 46		137

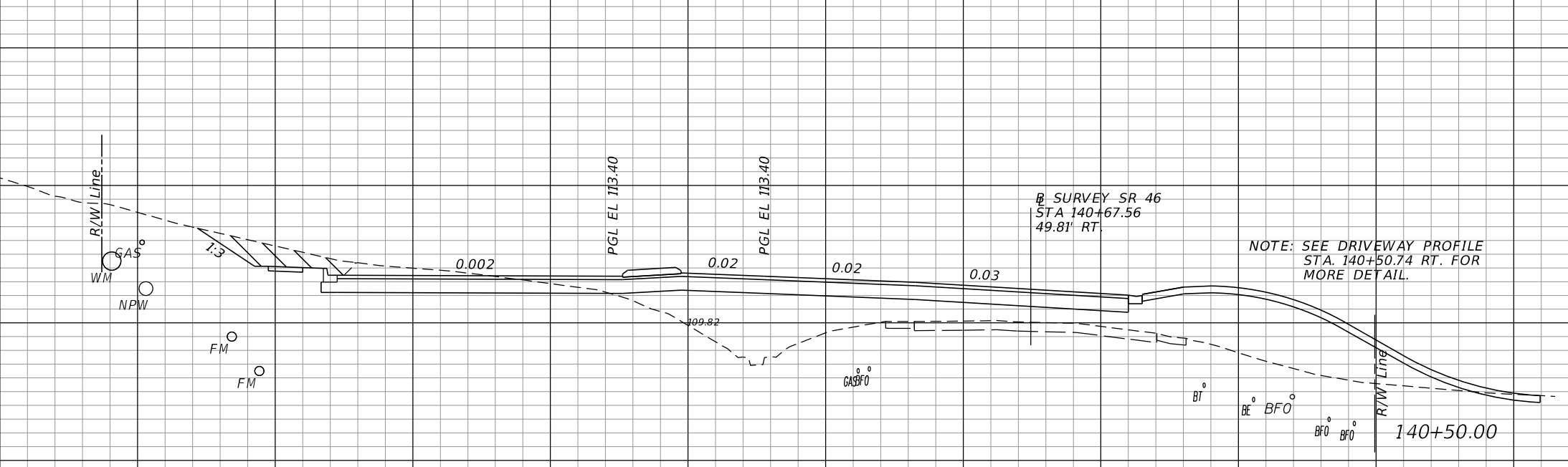
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

130
128
126
124
122
120
118
116
114
112
110
108
106
104
102
100
98
96
94
92
90
88



Regular		Exc.		Embankment	
A	V	A	V	A	V
54			102	195	
					483

132
130
128
126
124
122
120
118
116
114
112
110
108
106
104
102
100



56			85	327	
					591

NOTE: SEE DRIVEWAY PROFILE STA. 140+50.74 RT. FOR MORE DETAIL.

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

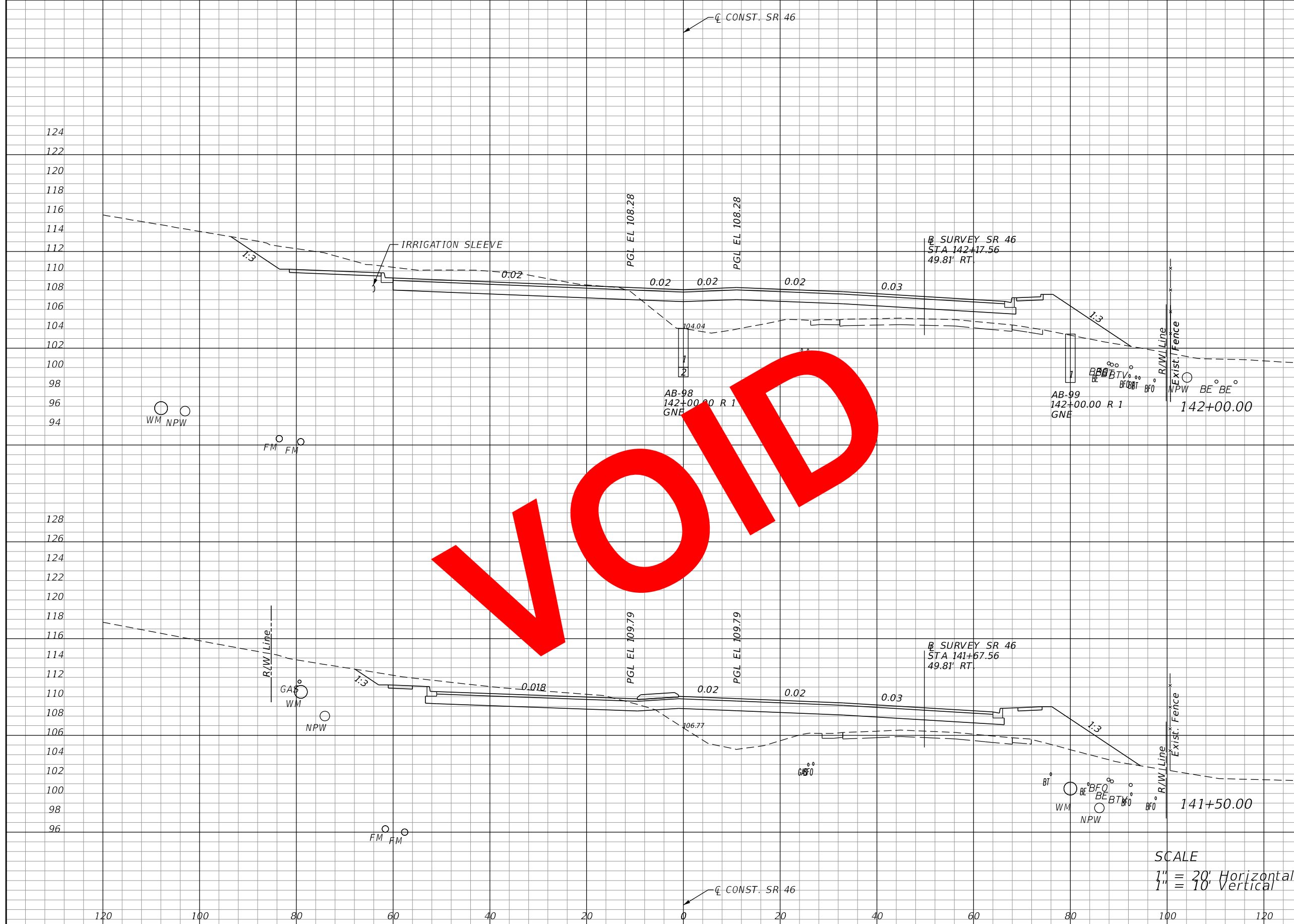
LOCHRANE ENGINEERING, INC.
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ORLANDO, FLORIDA 32803
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CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (42)
SR 46

SHEET NO.
137

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
140				223	
	206				431
82				243	
	149				405

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
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 ORLANDO, FLORIDA 32803
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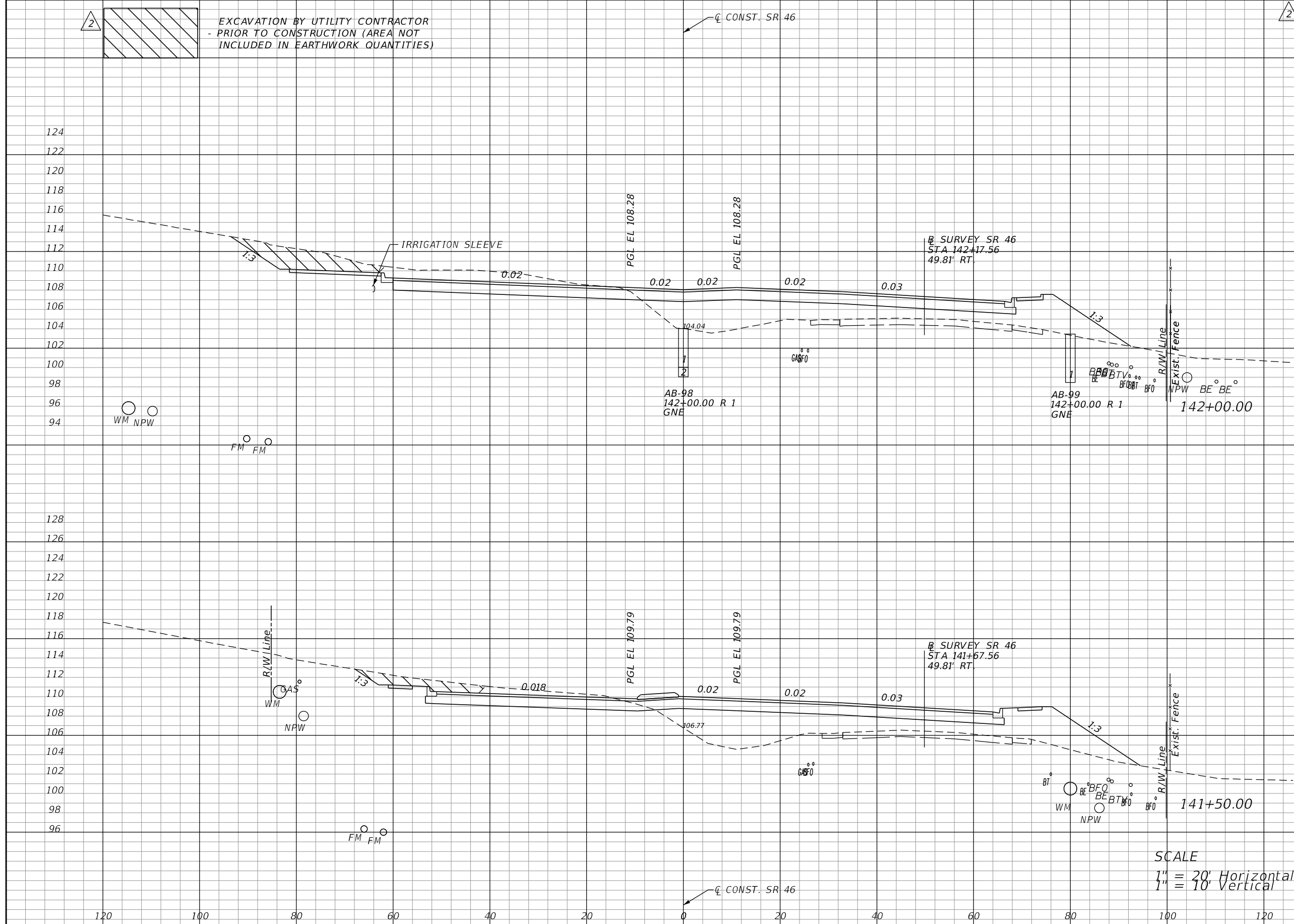
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (43)
SR 46

SHEET NO.
 138

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
106				223	
	162				431
69				243	
	114				405



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CONST. SR 46

SURVEY SR 46
STA 142+17.56
49.81' RT

AB-98
142+00.00 R 1
GNE

AB-99
142+00.00 R 1
GNE

142+00.00

SURVEY SR 46
STA 141+67.56
49.81' RT

141+50.00

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

CONST. SR 46

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

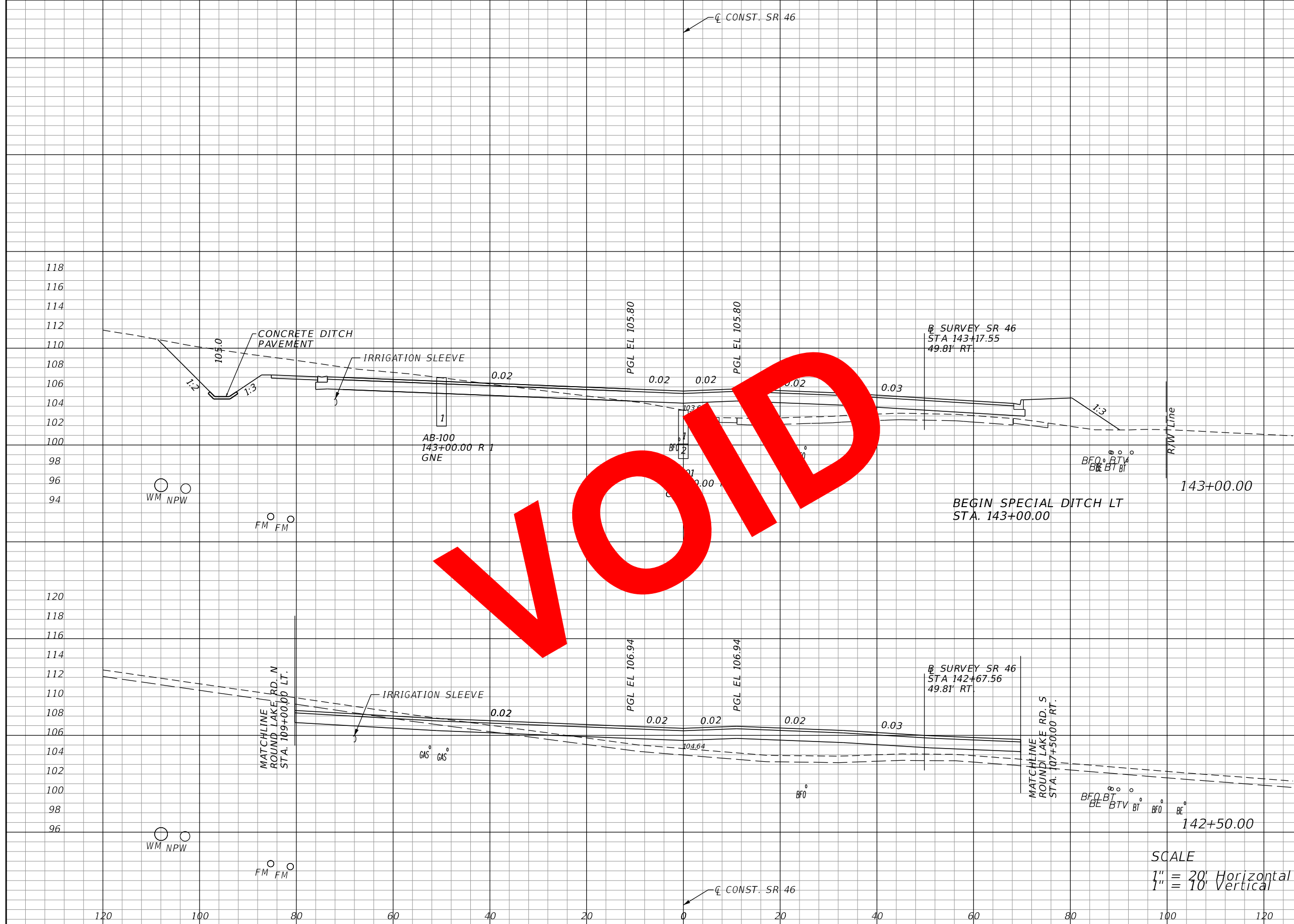
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (43)
SR 46

SHEET NO.
138

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
164		145			
	213		250		
66		125			
	191		322		

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

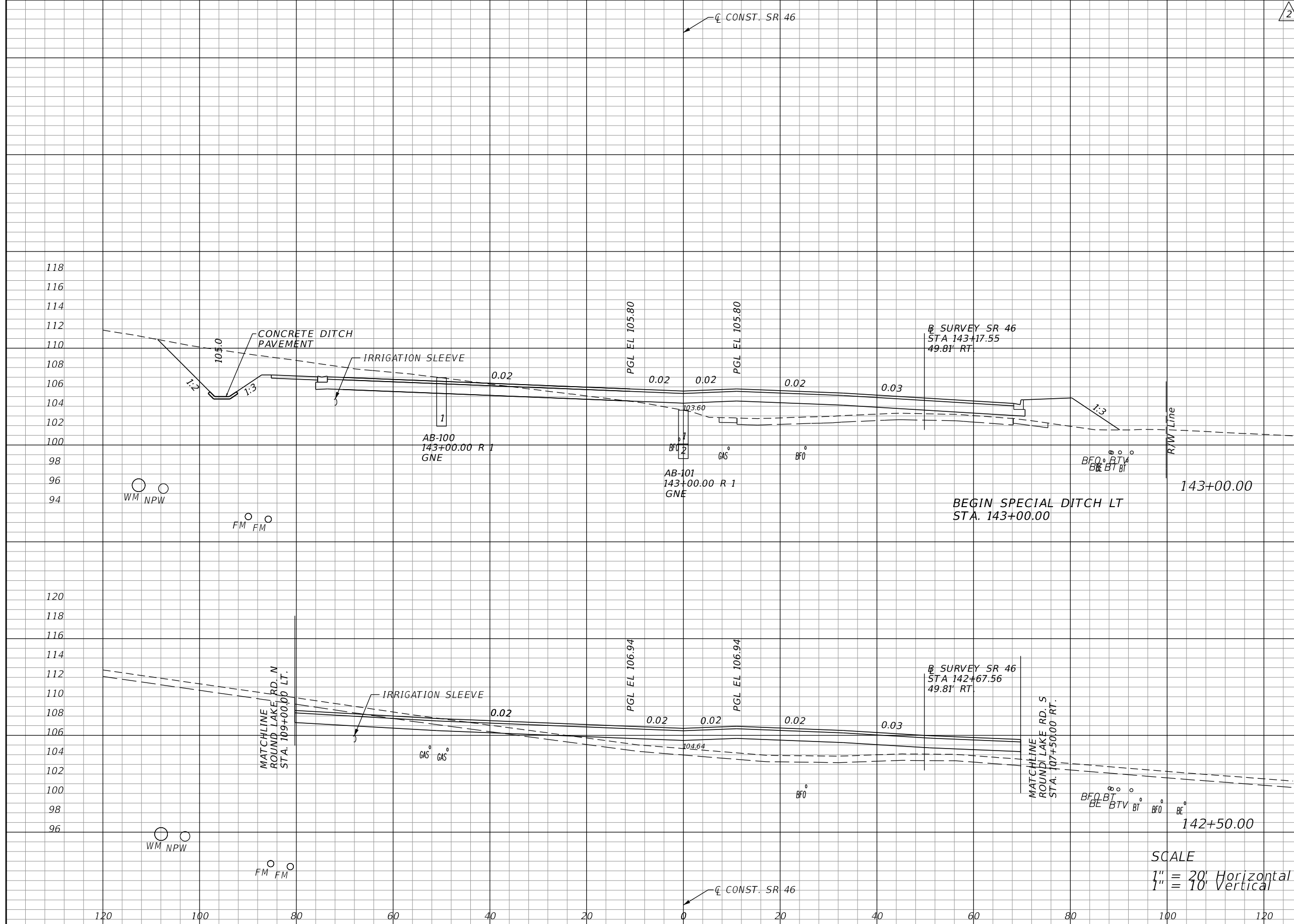
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (44)
SR 46

SHEET NO.
 139

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
164	213	145	250	66	322
		159			

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

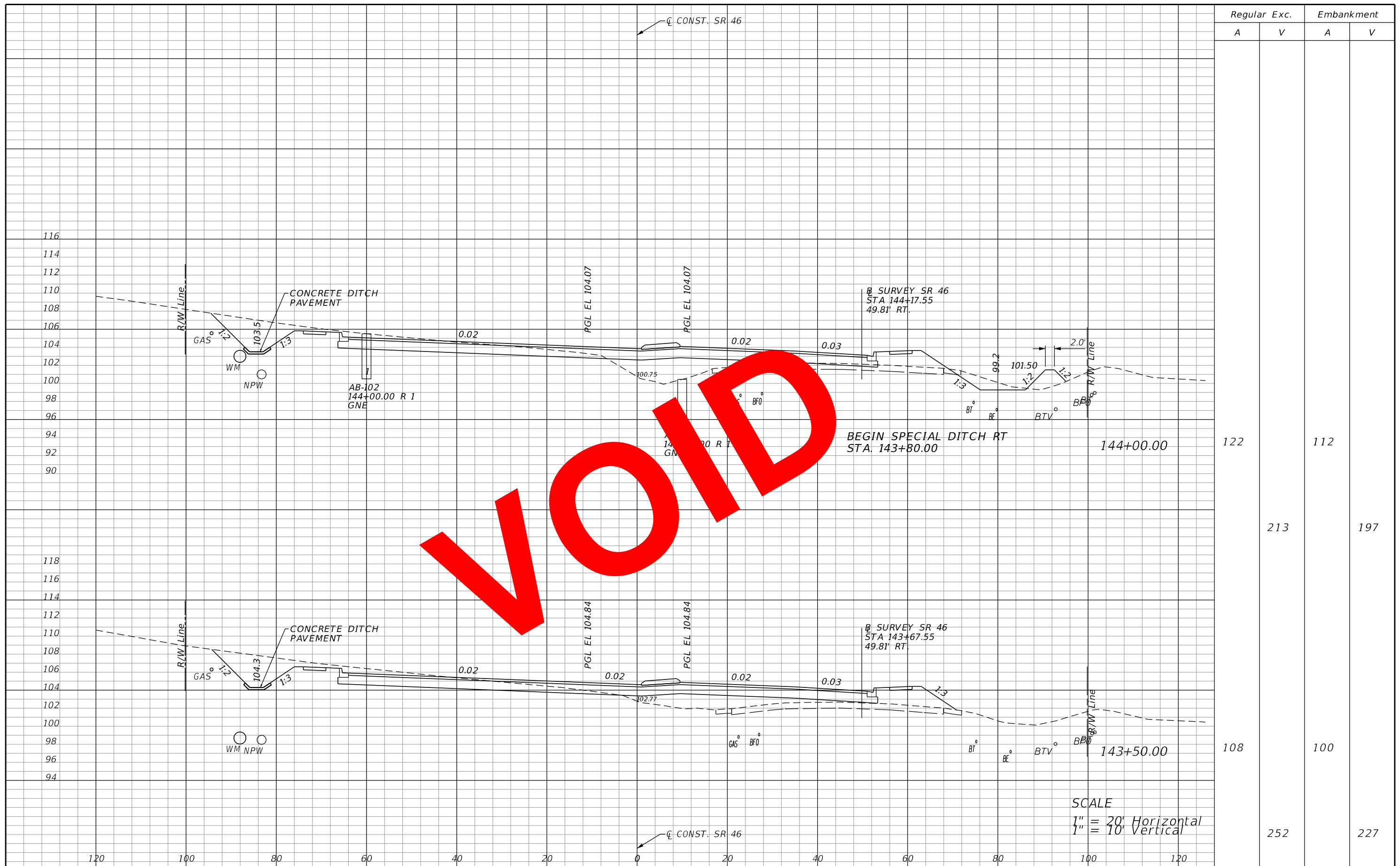
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (44)		SHEET NO.
SR 46		139

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



Regular	Exc.	Embankment	
		A	V
122			112
	213		197
108			100
	252		227

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (45)

SR 46

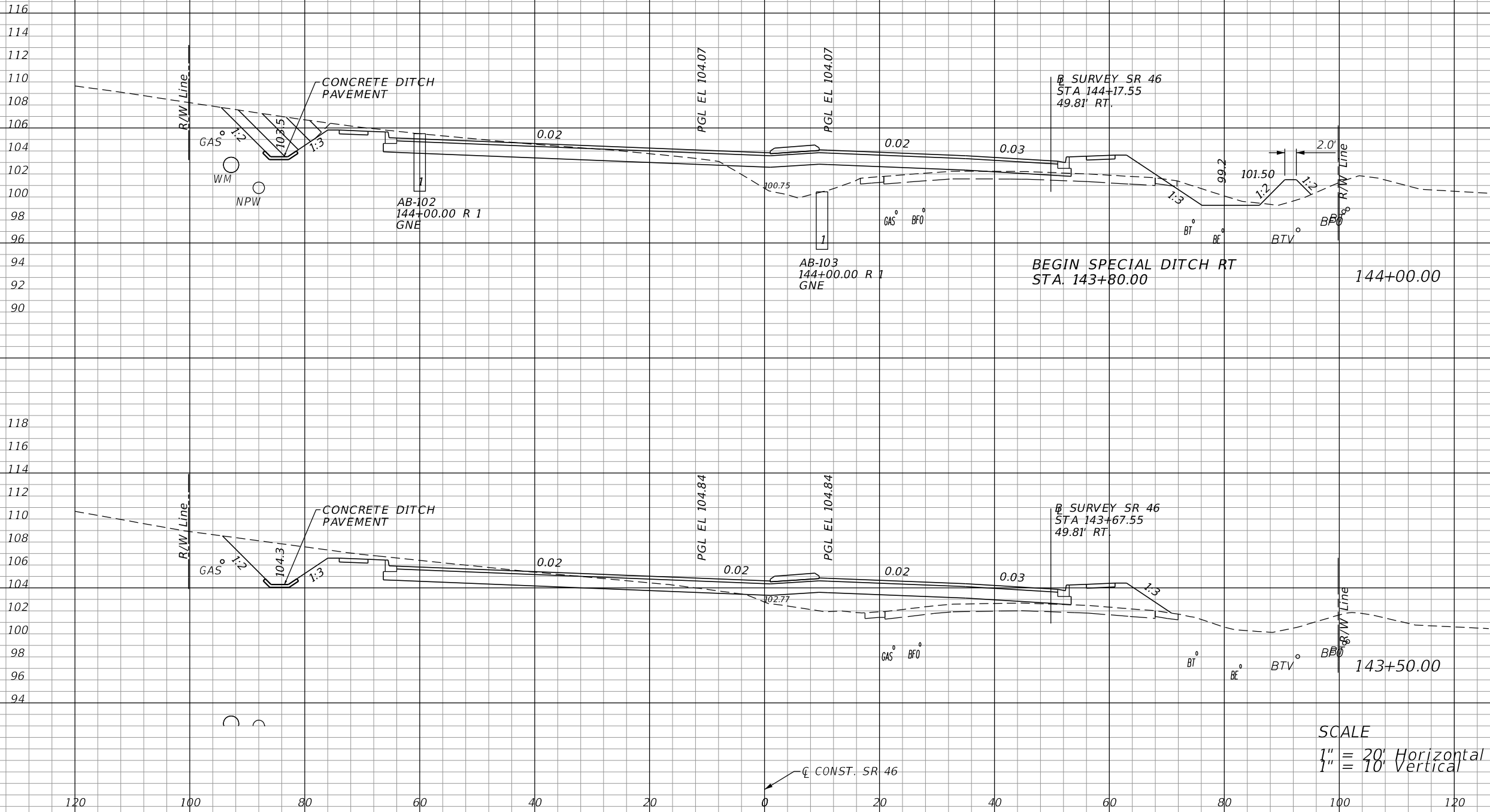
SHEET NO.
140

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

Regular Exc. Embankment

A V A V

89		112	
	183		197
108		100	
	252		227



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

EXCAVATION BY UTILITY CONTRACTOR
 - PRIOR TO CONSTRUCTION (AREA NOT
 INCLUDED IN EARTHWORK QUANTITIES)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

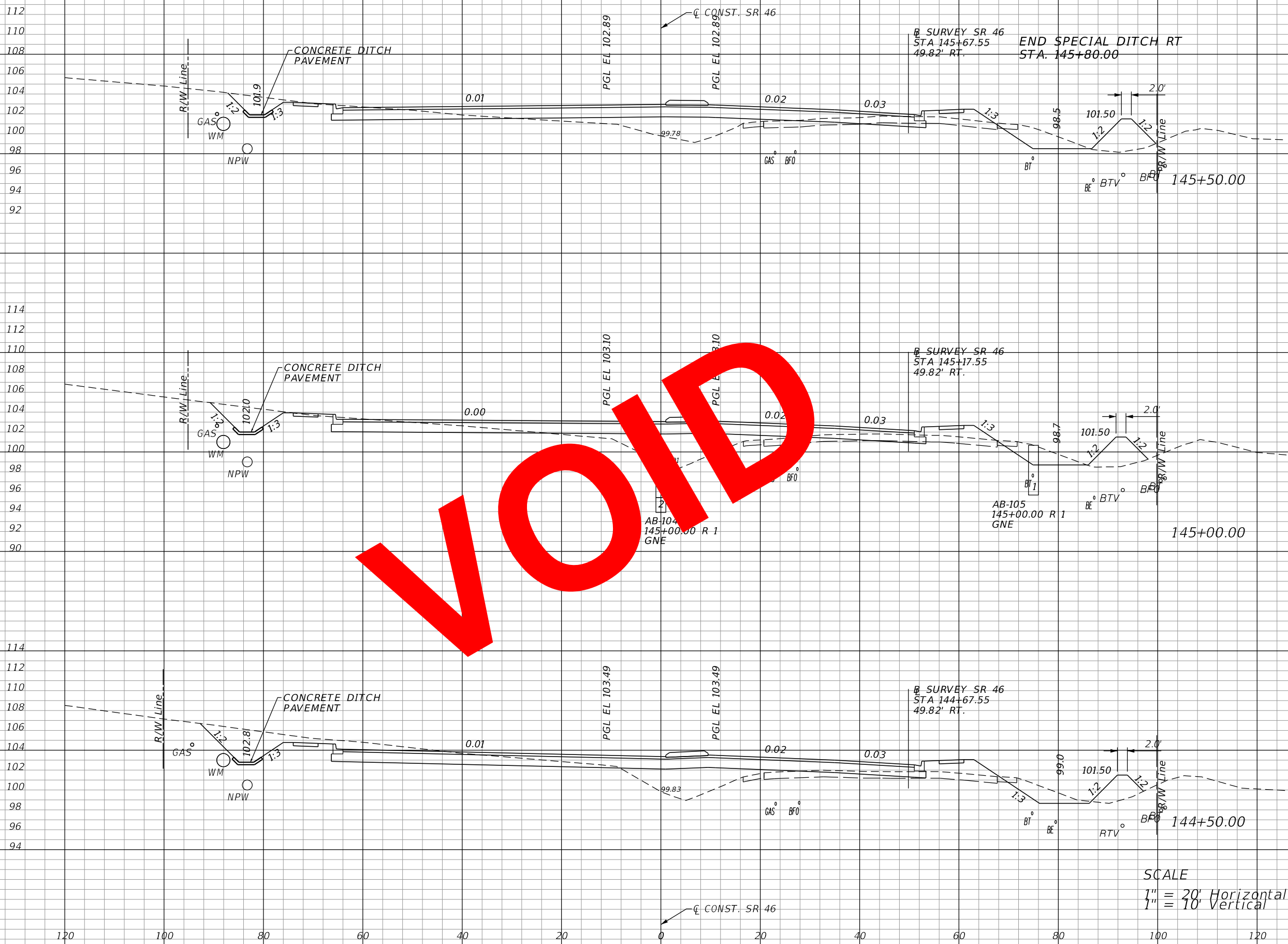
LOCHRANE ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (45)
SR 46

SHEET NO.
 140

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
85			164	114	222
92			202	125	218
126			230	110	206

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

VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

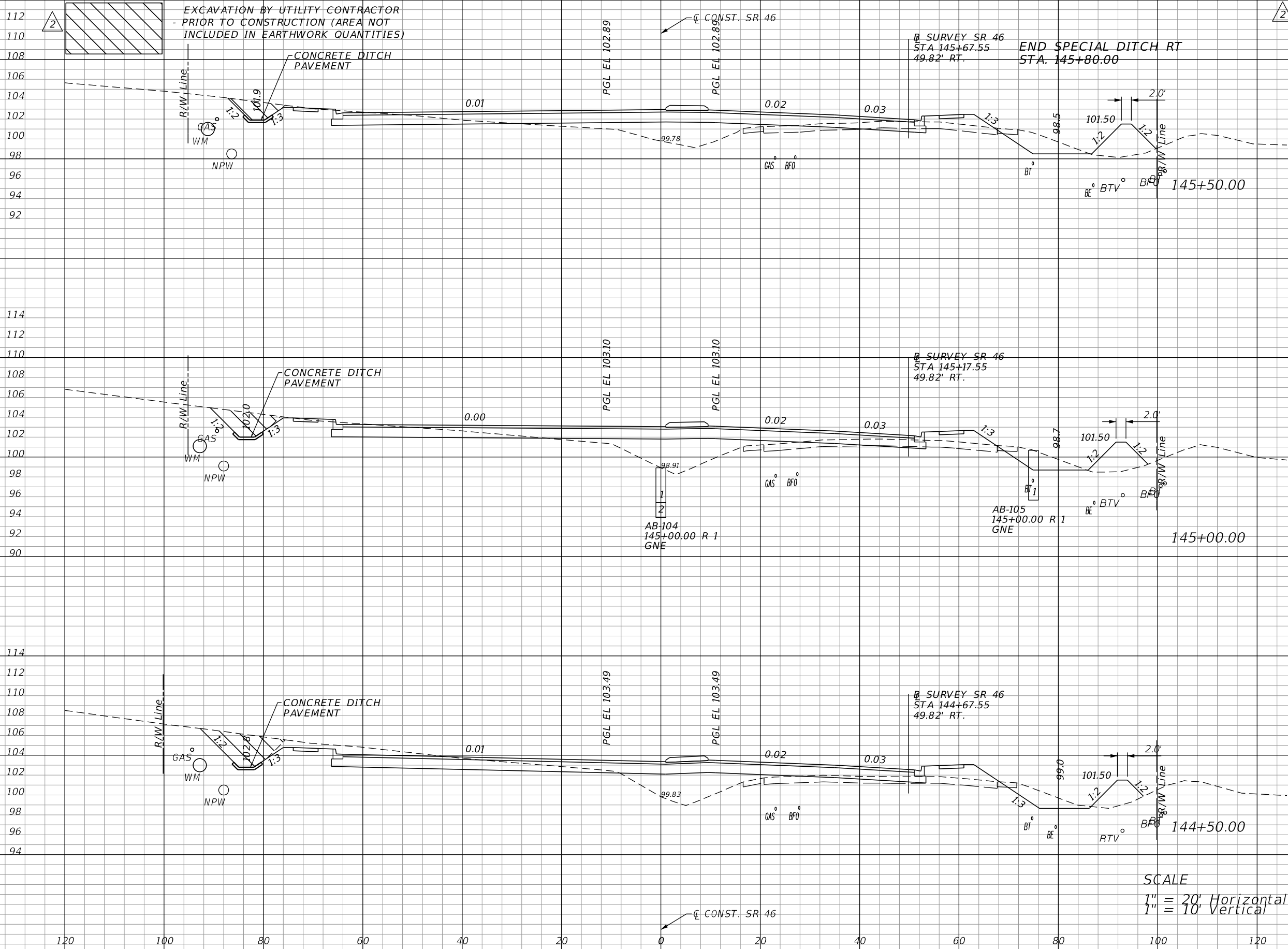
LOCHRANE ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (46)
SR 46

SHEET NO.
 141

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



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
145+50.00	70				114	
145+00.00	70	130			125	218
144+50.00	98				110	206

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

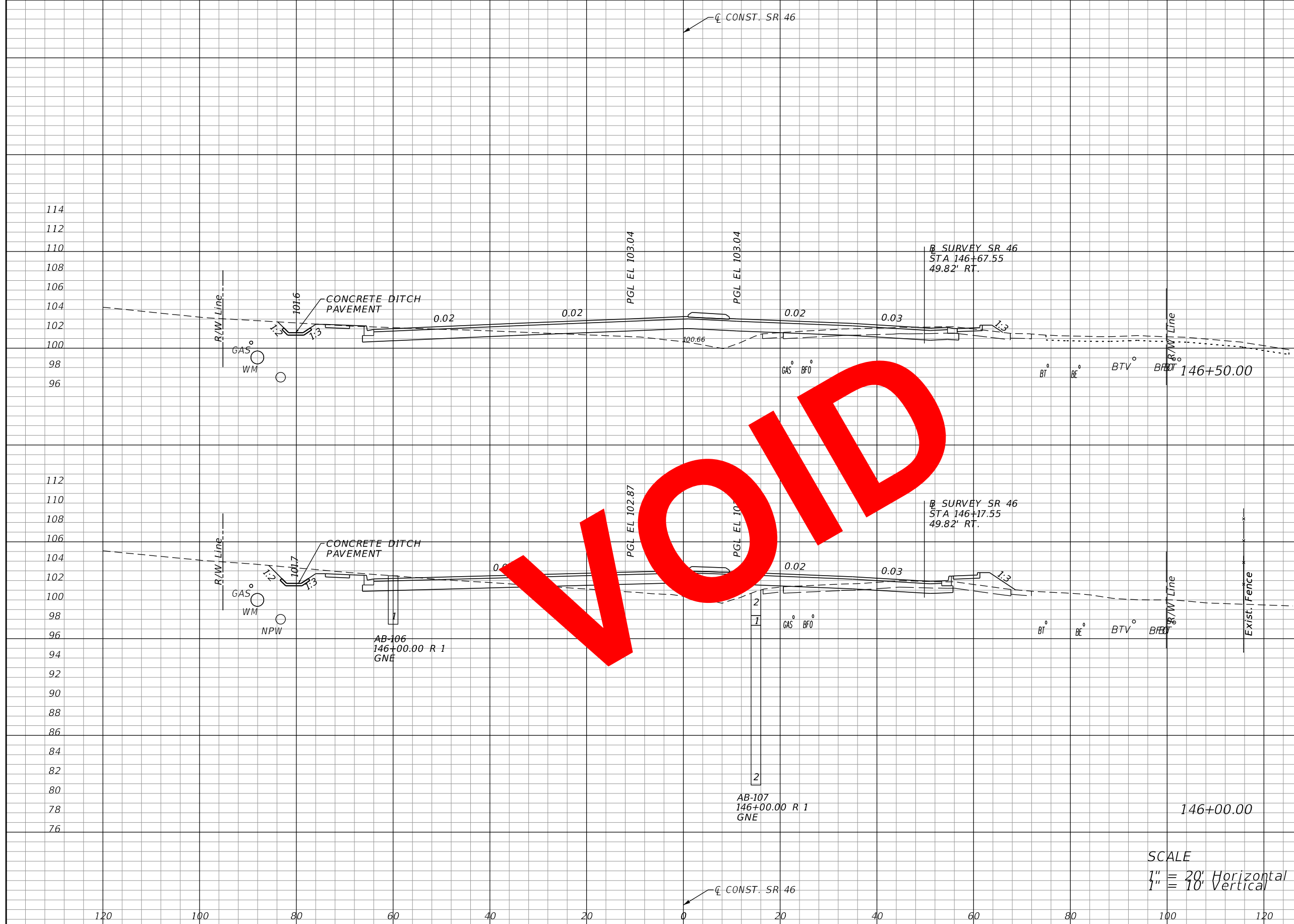
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (46)
SR 46

SHEET NO.
 141

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
68				68	
	128				139
70				82	
	144				182

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
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 ORLANDO, FLORIDA 32803
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 CERTIFICATE OF AUTHORIZATION NO. 2856

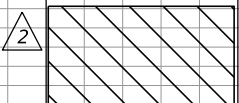
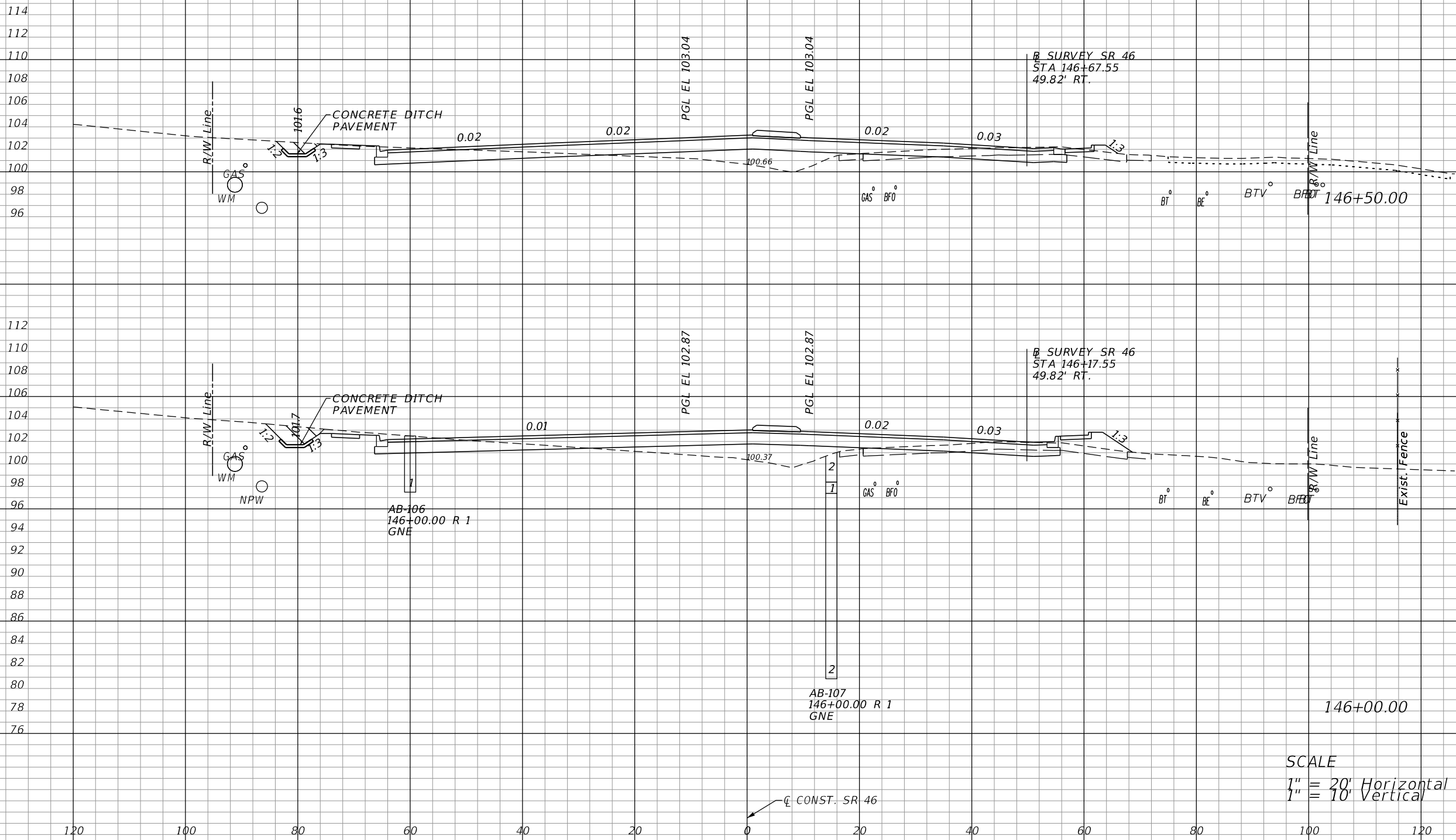
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (47)
SR 46

SHEET NO.
 142

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
65			119	68	
64			124	82	
					182



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CL CONST. SR 46

B SURVEY SR 46
STA 146+67.55
49.82' RT.

B SURVEY SR 46
STA 146+17.55
49.82' RT.

AB-106
146+00.00 R 1
GNE

AB-107
146+00.00 R 1
GNE

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

CL CONST. SR 46

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	REVISD EXISTING GROUND		

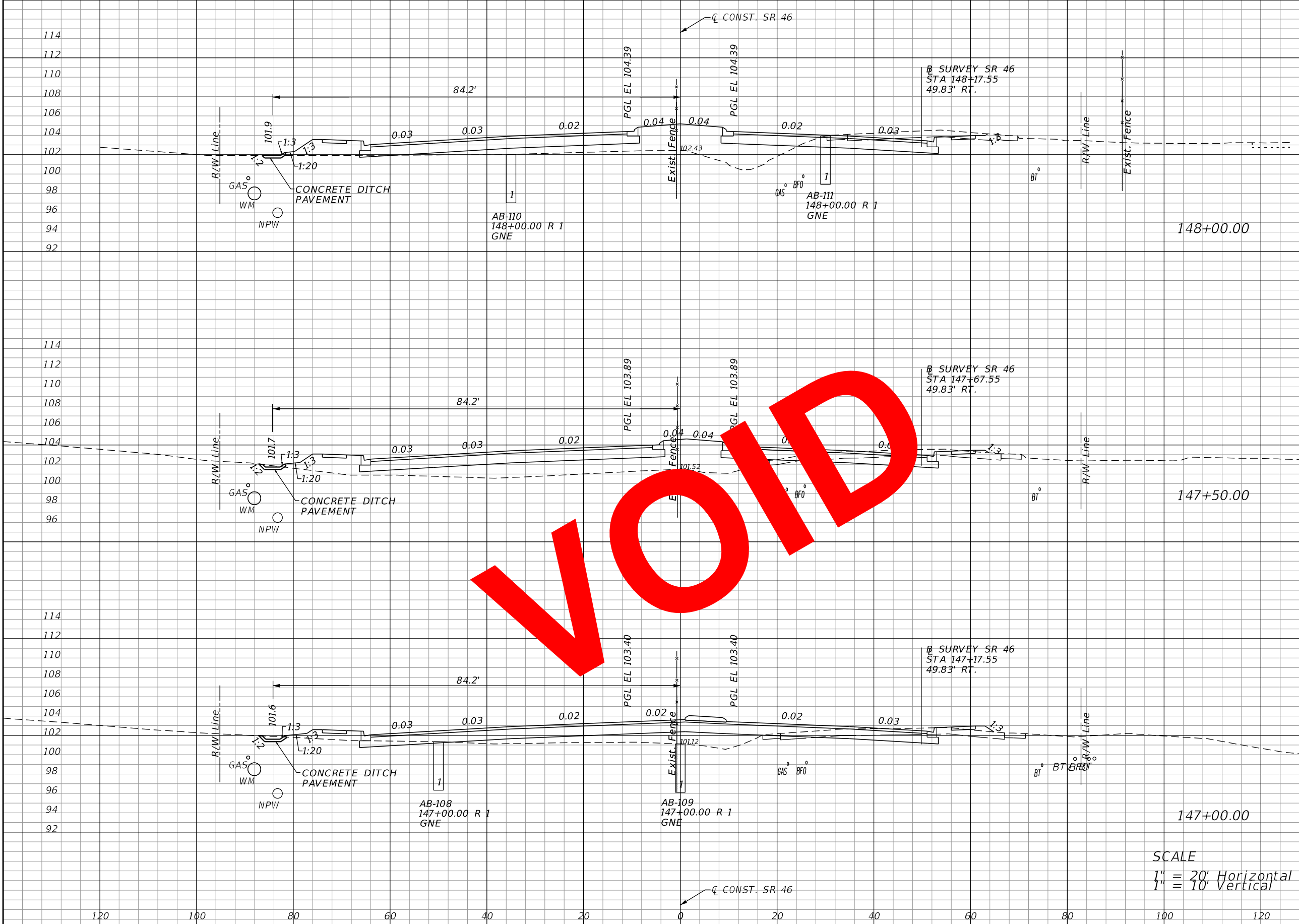
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (47)
SR 46

SHEET NO.
142

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
48				145	
	80				291
39				170	
	73				241
41				91	
	100				147

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

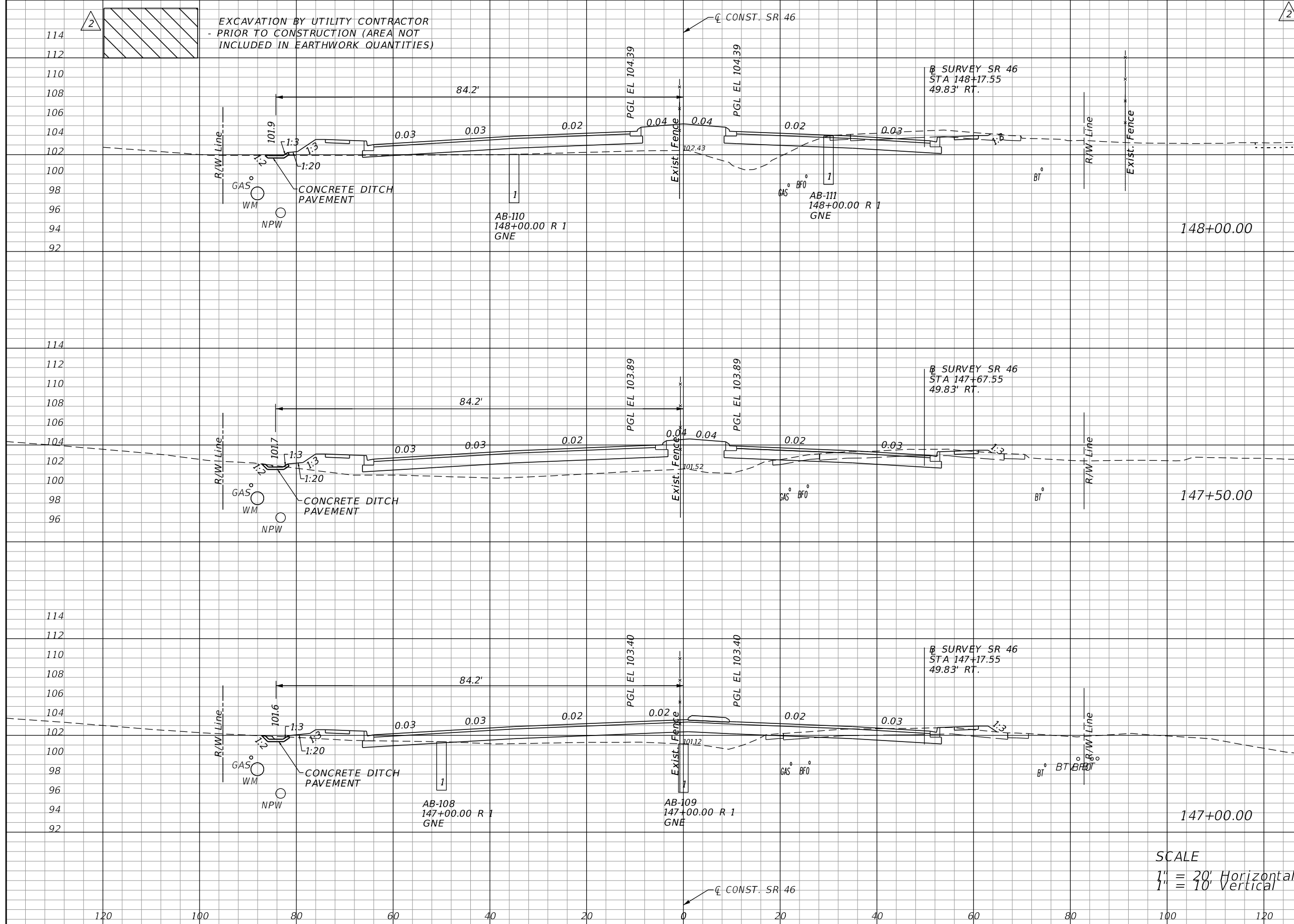
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (48)
SR 46

SHEET NO.
 143

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



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
148+00.00	48				145	
		83				292
147+50.00	42				170	
		79				241
147+00.00	43				91	
		99				147

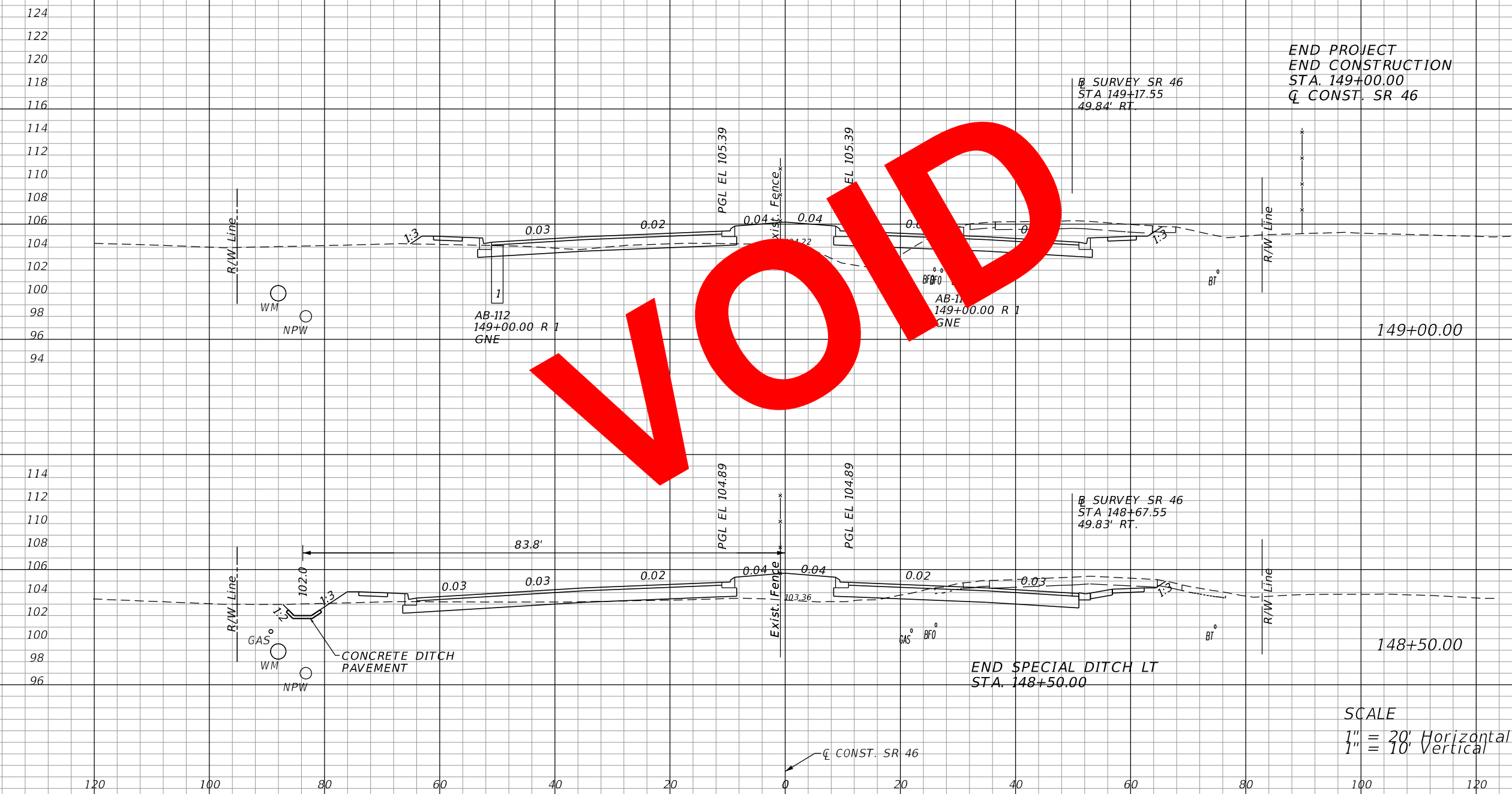
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (48)		SHEET NO.
SR 46		
		143

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



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
149+00.00	99				78	
148+50.00	92				73	
		177				139
			129			202

END PROJECT
 END CONSTRUCTION
 STA. 149+00.00
 CL CONST. SR 46

END SPECIAL DITCH LT
 STA. 148+50.00

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
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 P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (49)		SHEET NO.
SR 46		144

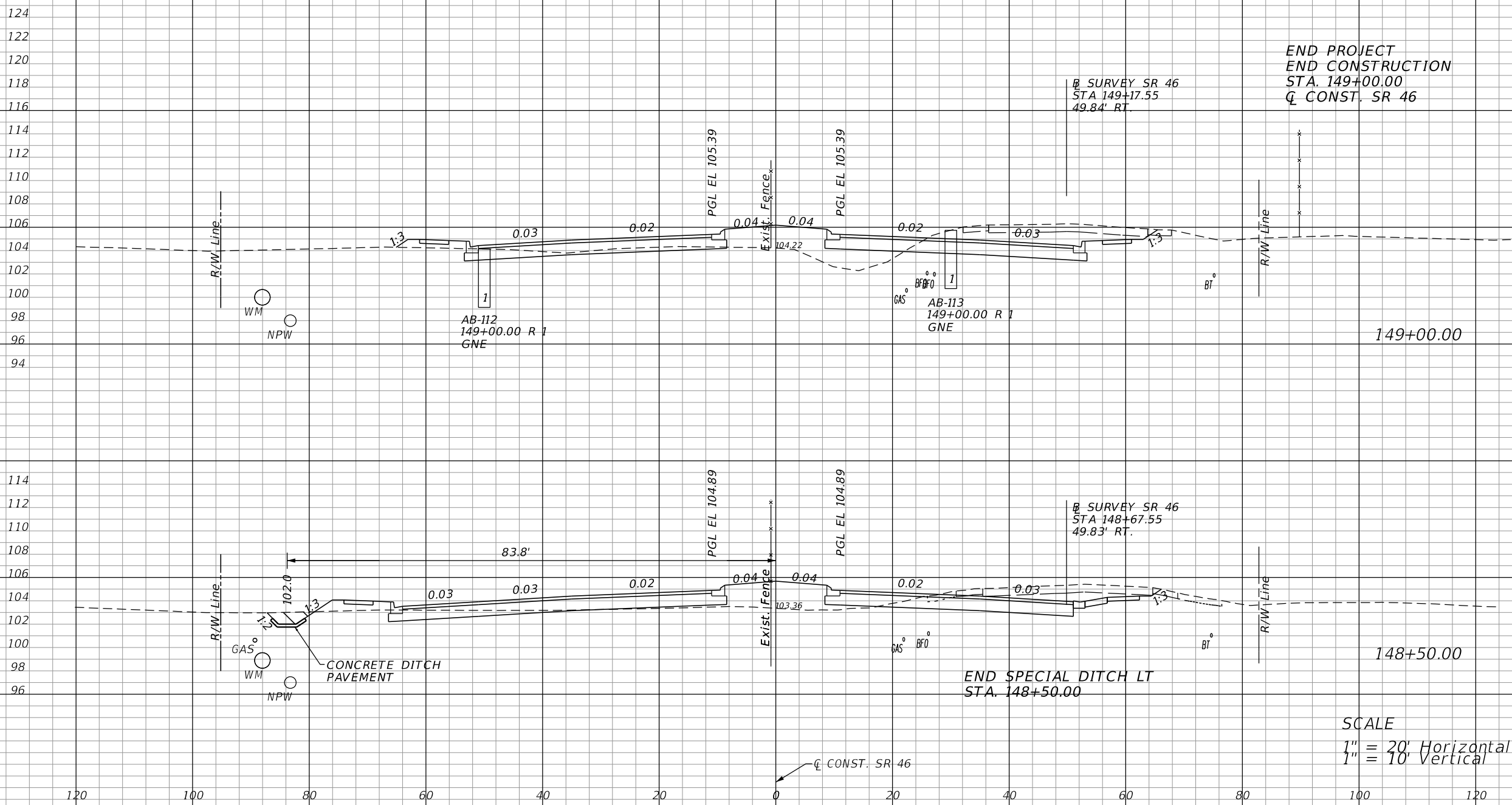
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Regular	Exc.	Embankment	
		A	V
99	177	78	140
92	130	73	202



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

CL CONST. SR 46



END PROJECT
END CONSTRUCTION
STA. 149+00.00
CL CONST. SR 46

B SURVEY SR 46
STA 149+17.55
49.84' RT.

AB-113
149+00.00 R 1
GNE

B SURVEY SR 46
STA 148+67.55
49.83' RT.

END SPECIAL DITCH LT
STA. 148+50.00

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

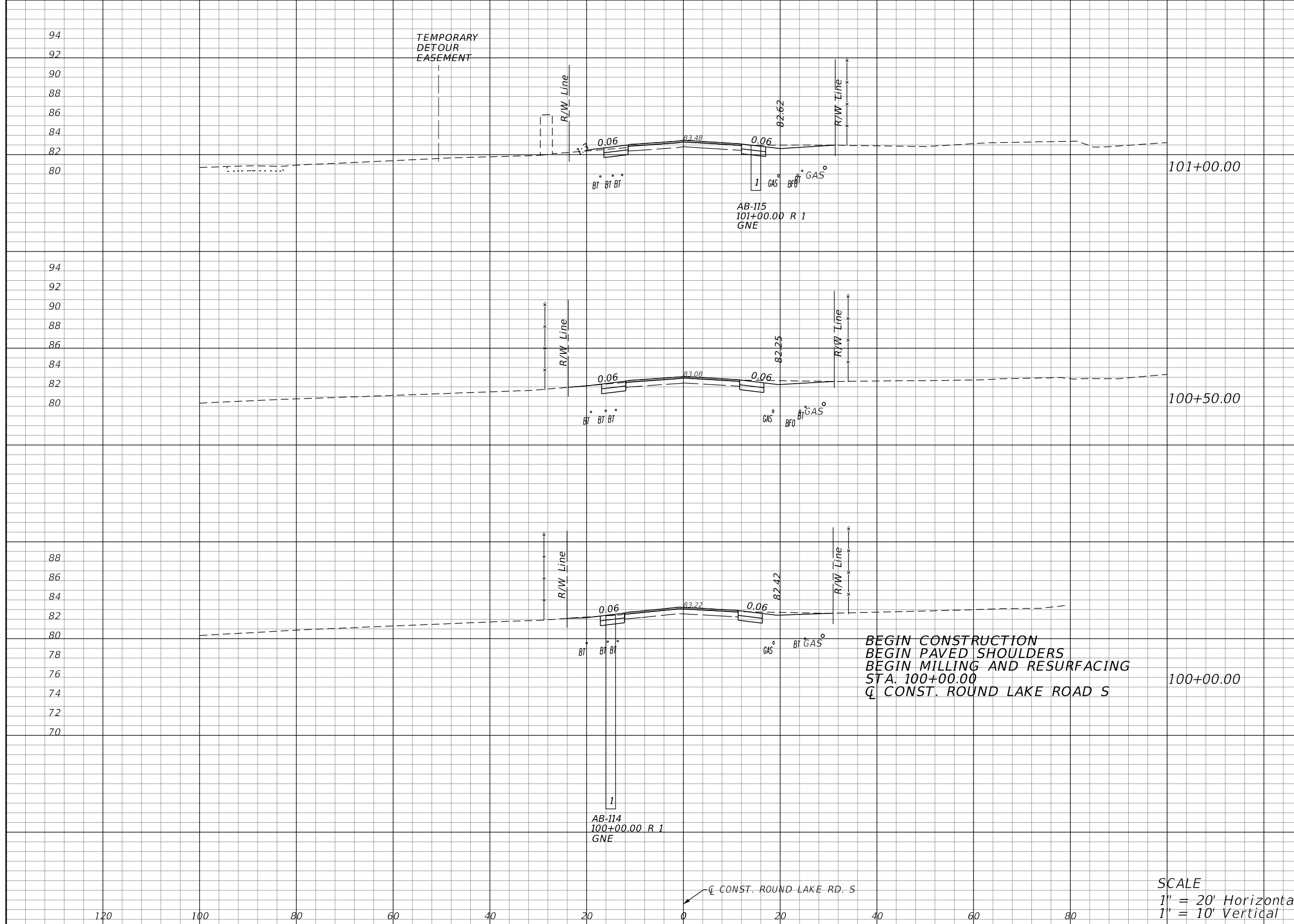
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (49)
SR 46

SHEET NO.
144

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
12			24	0	0
14			24	0	0
12				0	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

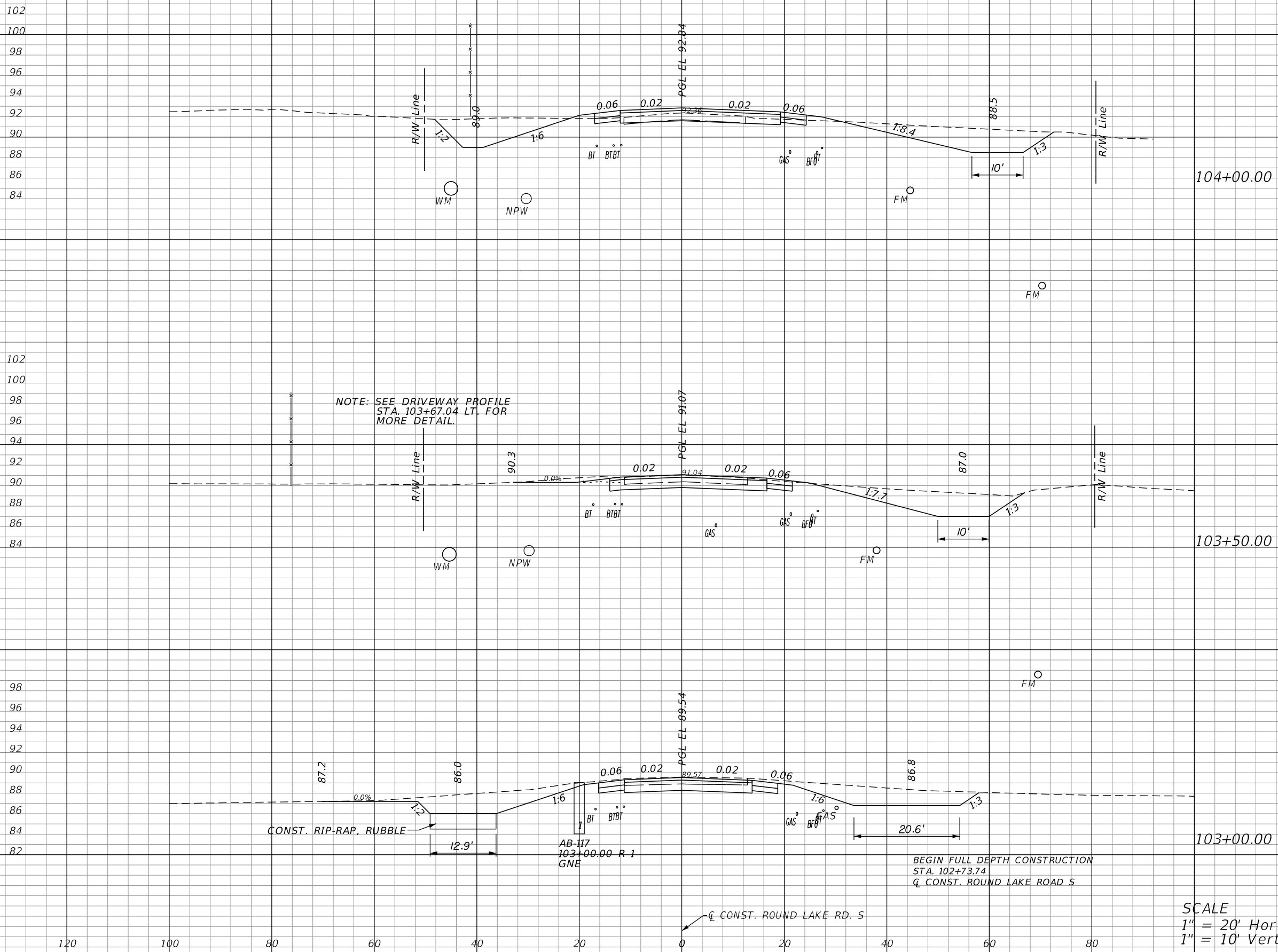
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (50)
ROUND LAKE ROAD SOUTH

SHEET NO.
 145

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
75	159	3		12	
96	223	9		9	
145	144	0		2	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

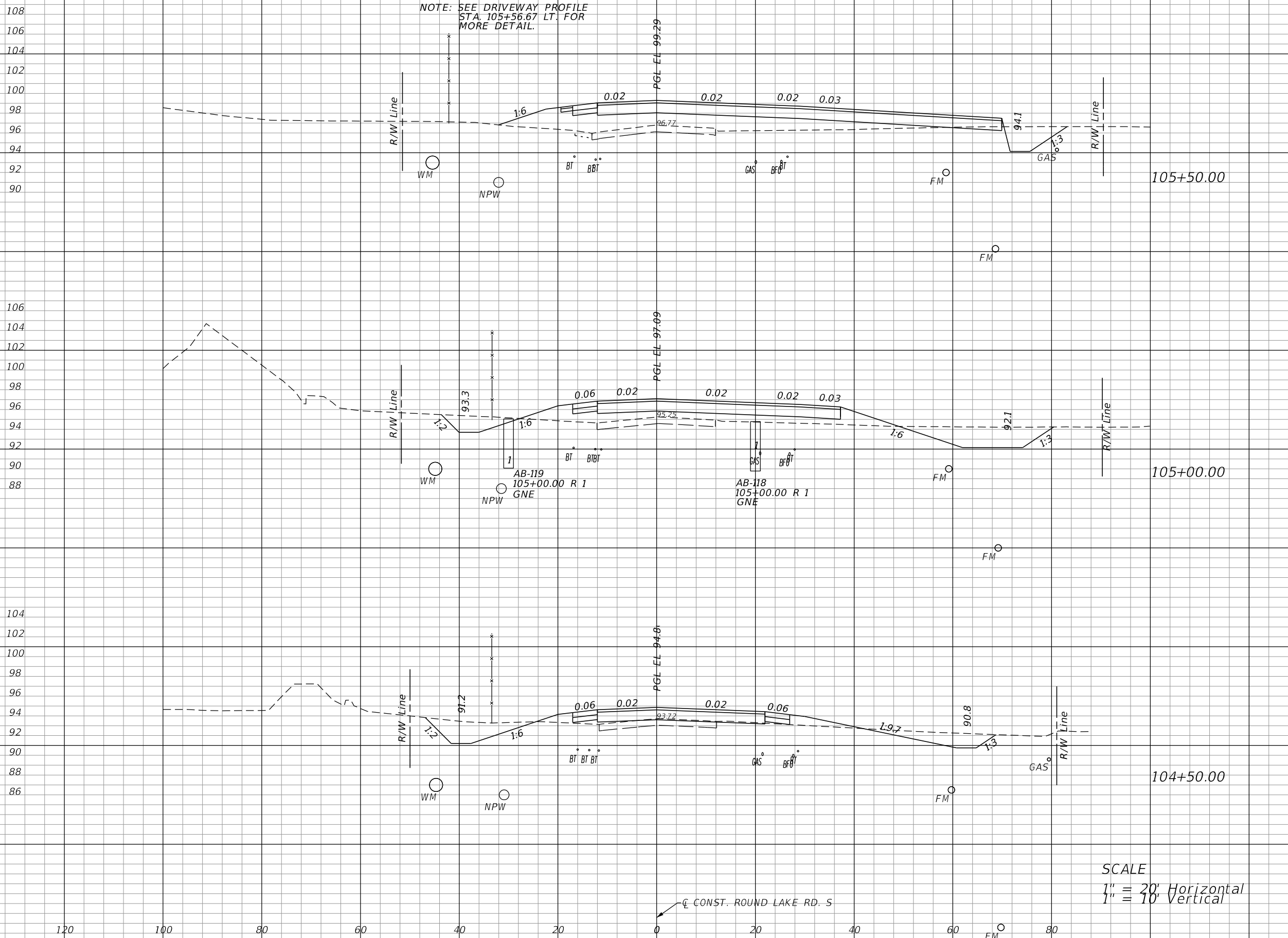
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (52)
ROUND LAKE ROAD SOUTH

SHEET NO.
 147

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

NOTE: SEE DRIVEWAY PROFILE STA. 105+56.67 LT. FOR MORE DETAIL.



Regular		Exc.		Embankment	
A	V	A	V	A	V
38	76	112	164		
44	86	65	72		
48	157	13	15		

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

CONST. ROUND LAKE RD. S

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

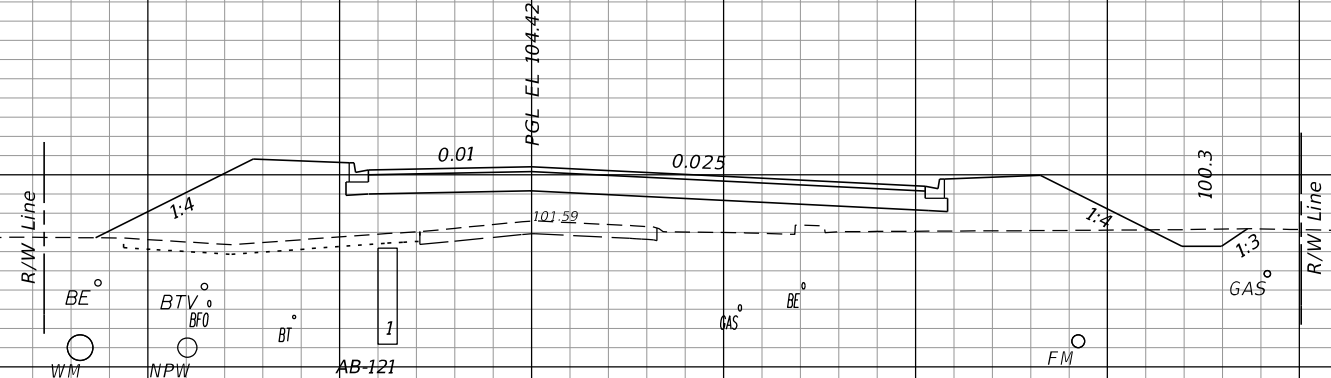
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (53)
ROUND LAKE ROAD SOUTH

SHEET NO.
 148

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

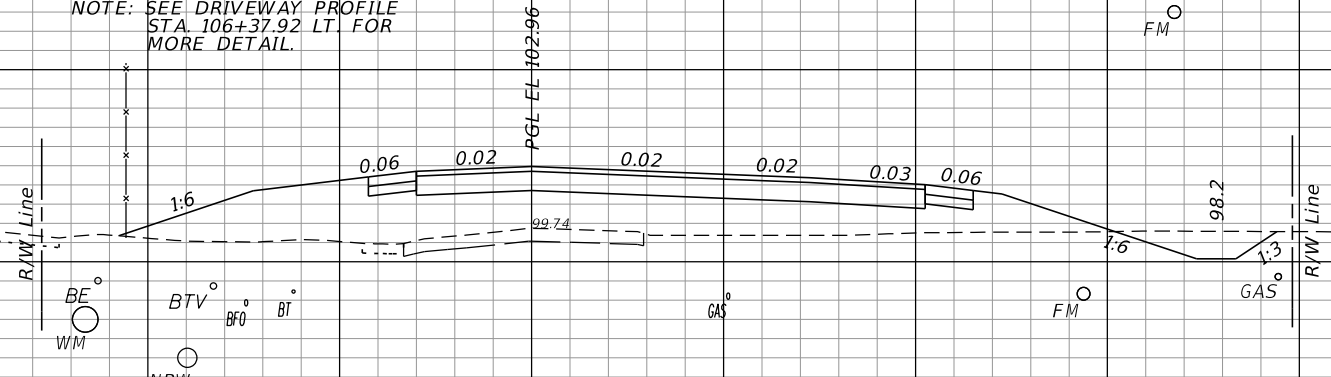
112
110
108
106
104
102
100
98
96



107+00.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
6			20	221	383

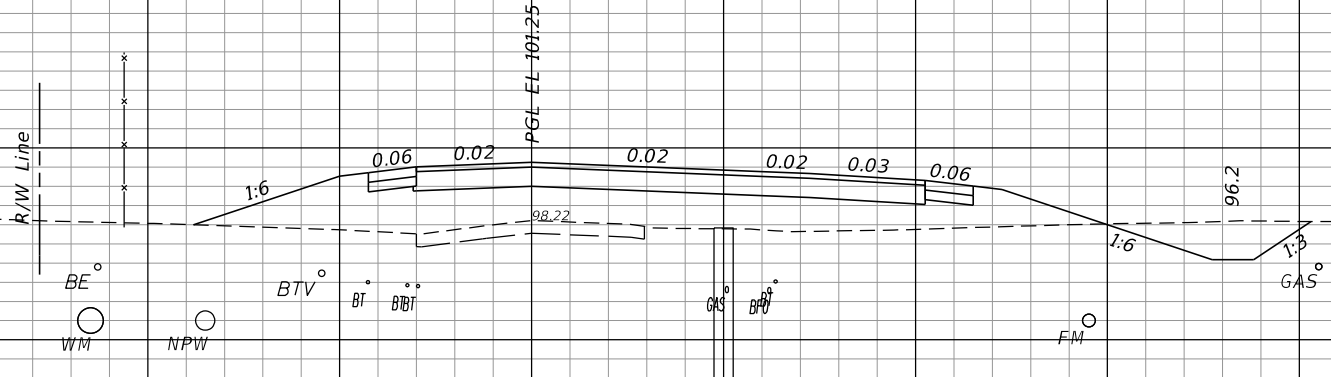
110
108
106
104
102
100
98
96
94



106+50.00

15			38	193	327
----	--	--	----	-----	-----

108
106
104
102
94
98
96
94
92



106+00.00

26			59	160	252
----	--	--	----	-----	-----

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

120 100 80 60 40 20 0 20 40 60 80

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

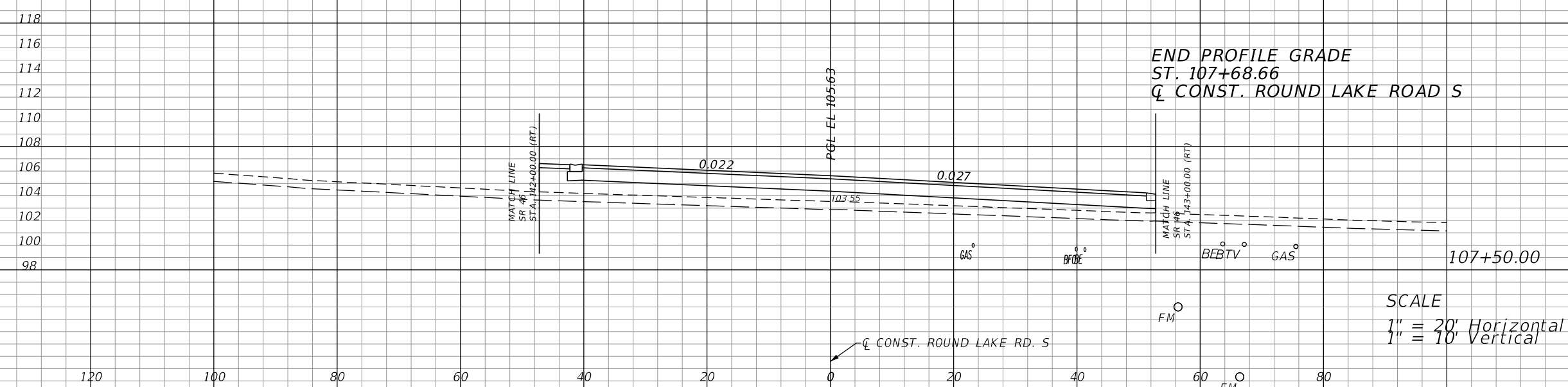
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (54)
ROUND LAKE ROAD SOUTH

SHEET NO.
149

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

Regular		Exc.		Embankment	
A	V	A	V	A	V



0	0	0	28
0	6	81	279

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

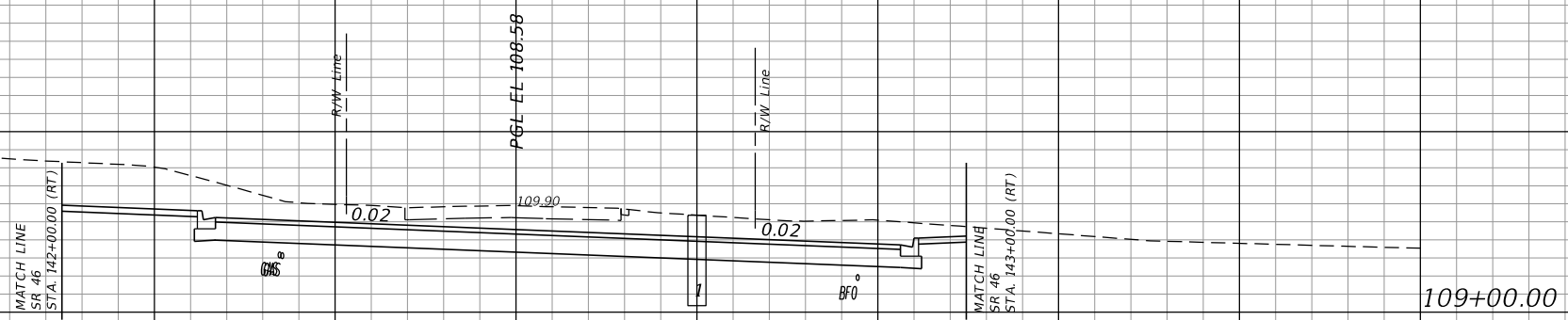
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (55)
ROUND LAKE ROAD SOUTH

SHEET NO.
150

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

120
118
116
114
112
110
108
106
104



AB-122
109+00.00 R 1
GNE

BEGIN CONSTRUCTION
STA. 108+70.67
Q CONST. ROUND LAKE ROAD N

VOID

Regular Exc.		Embankment	
A	V	A	V
223	121	0	0
0		0	

120 100 80 60 40 20 0 20 40 60 80

Q CONST. ROUND LAKE RD. N

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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (56) ROUND LAKE ROAD NORTH	SHEET NO. 151
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

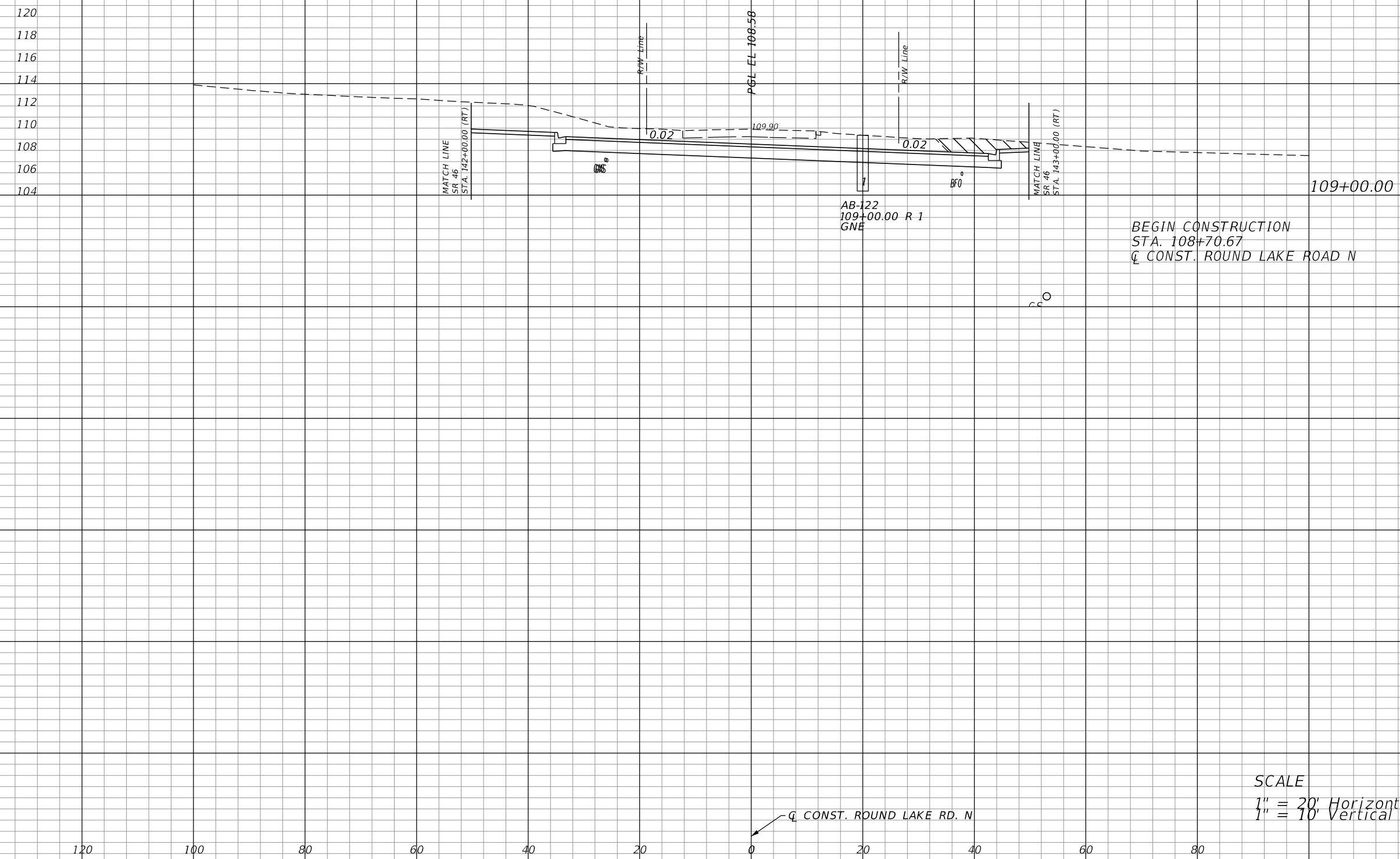
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



Regular		Exc.		Embankment	
A	V	A	V	A	V



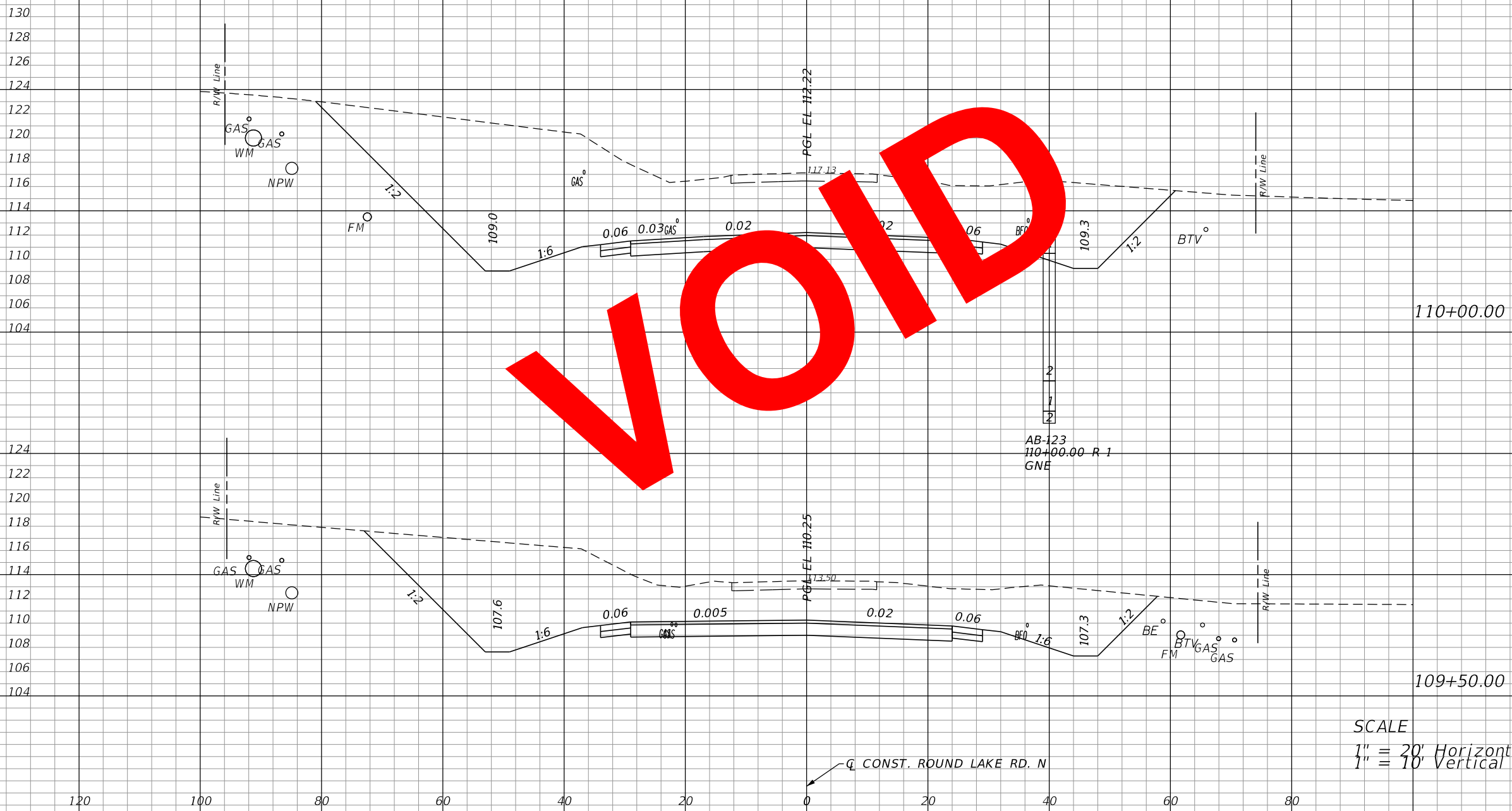
214	198	0	0
0	0	0	0

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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (56) ROUND LAKE ROAD NORTH	SHEET NO. 151
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
06-01-17	2 REVISED EXISTING GROUND			46	LAKE	238275-3-52-01			

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

VOID



Regular		Exc.		Embankment	
A	V	A	V	A	V
930		1454		0	0
641		800		0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (57)
ROUND LAKE ROAD NORTH

SHEET NO.
 152

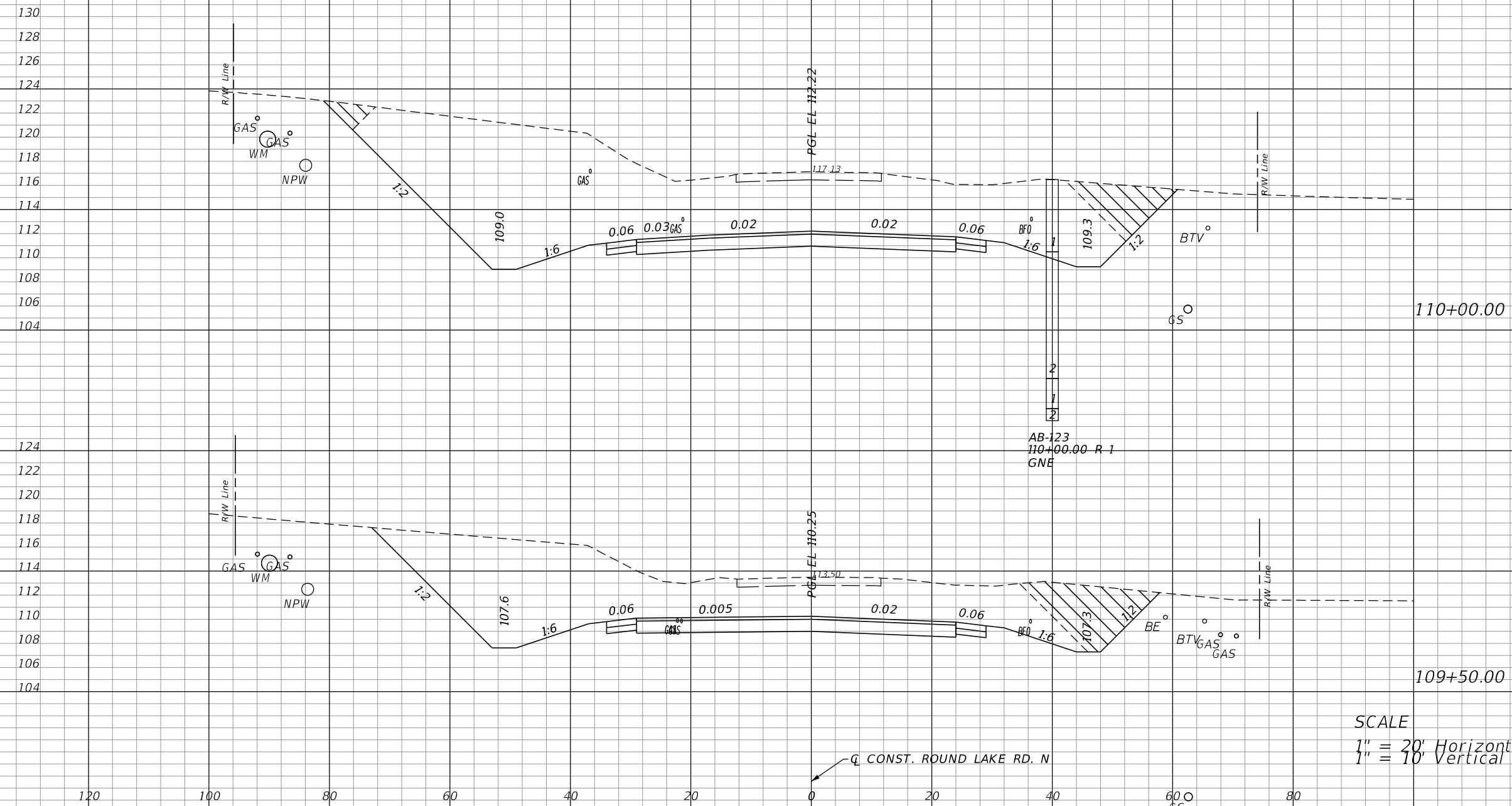
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

2

Regular Exc. Embankment
A V A V



877	1341	0	0
571	727	0	0

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

CONST. ROUND LAKE RD. N

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (57)
ROUND LAKE ROAD NORTH

SHEET NO.
152

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

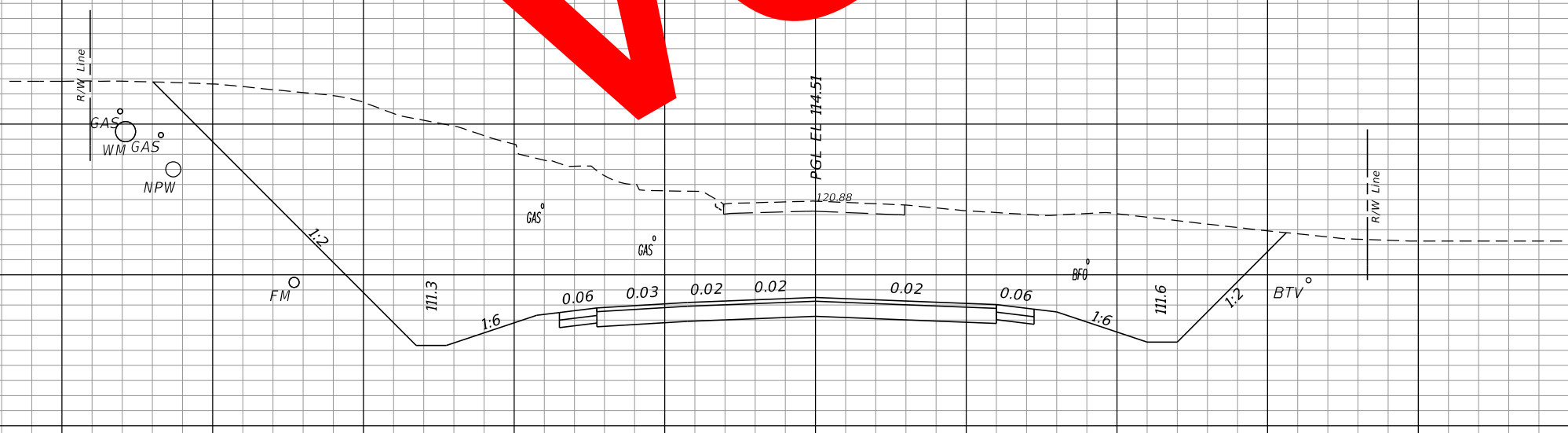
142
140
138
136
134
132
130
128
126
124
122
120
118
116
114
112
110
108
106



111+00.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
1398		2389		0	0

140
138
136
134
132
130
128
126
124
122
120
118
116
114
112
110
108
106



110+50.00

1182		1956		0	0
------	--	------	--	---	---

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

CONST. ROUND LAKE RD. N

120 100 80 60 40 20 0 20 40 60 80

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

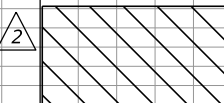
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

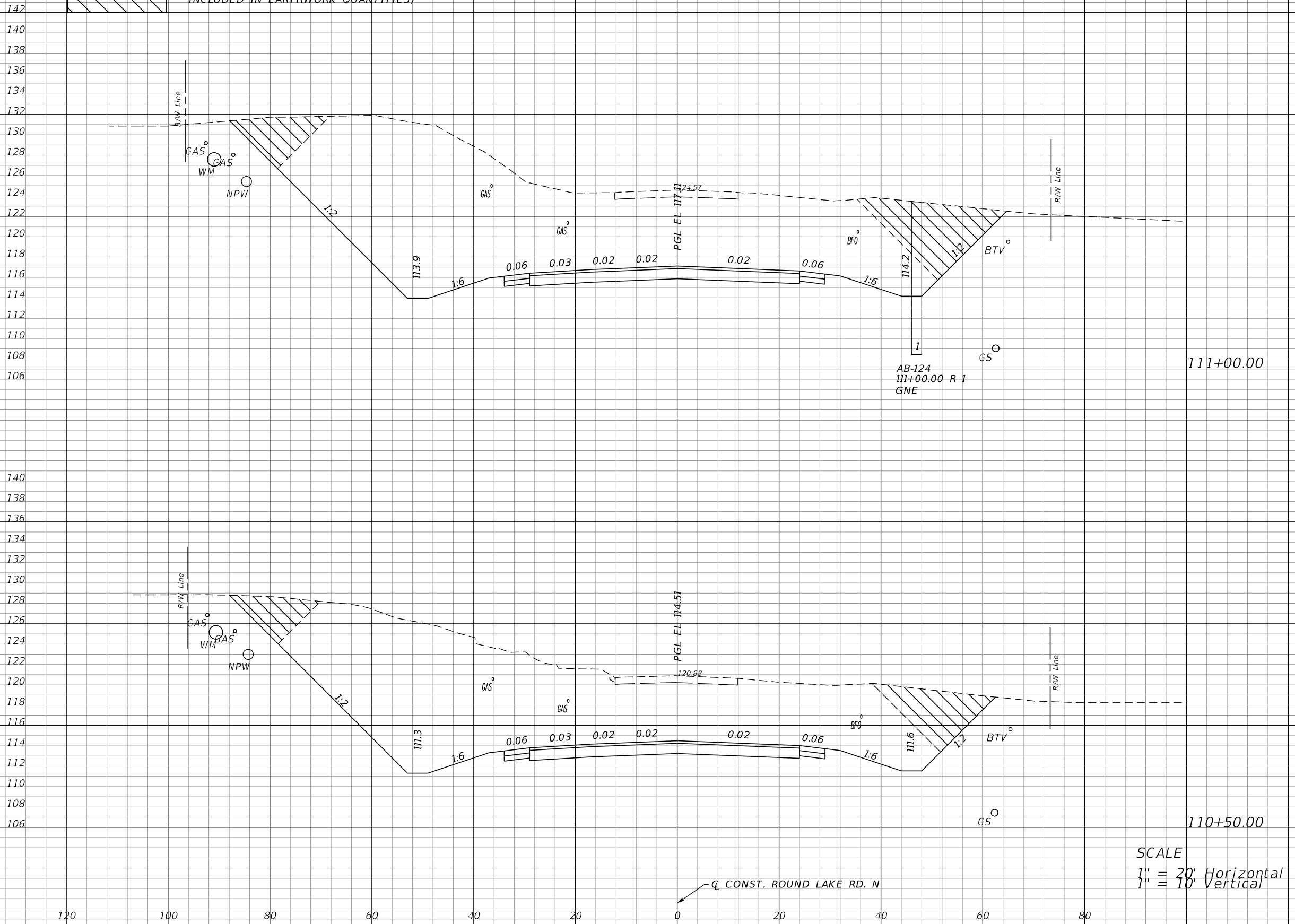
CROSS SECTIONS (58)
ROUND LAKE ROAD NORTH

SHEET NO.
153

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



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



Regular		Exc.		Embankment	
A	V	A	V	A	V
1237	2182	0	0	0	0
1119	1848	0	0	0	0

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

Q CONST. ROUND LAKE RD. N

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

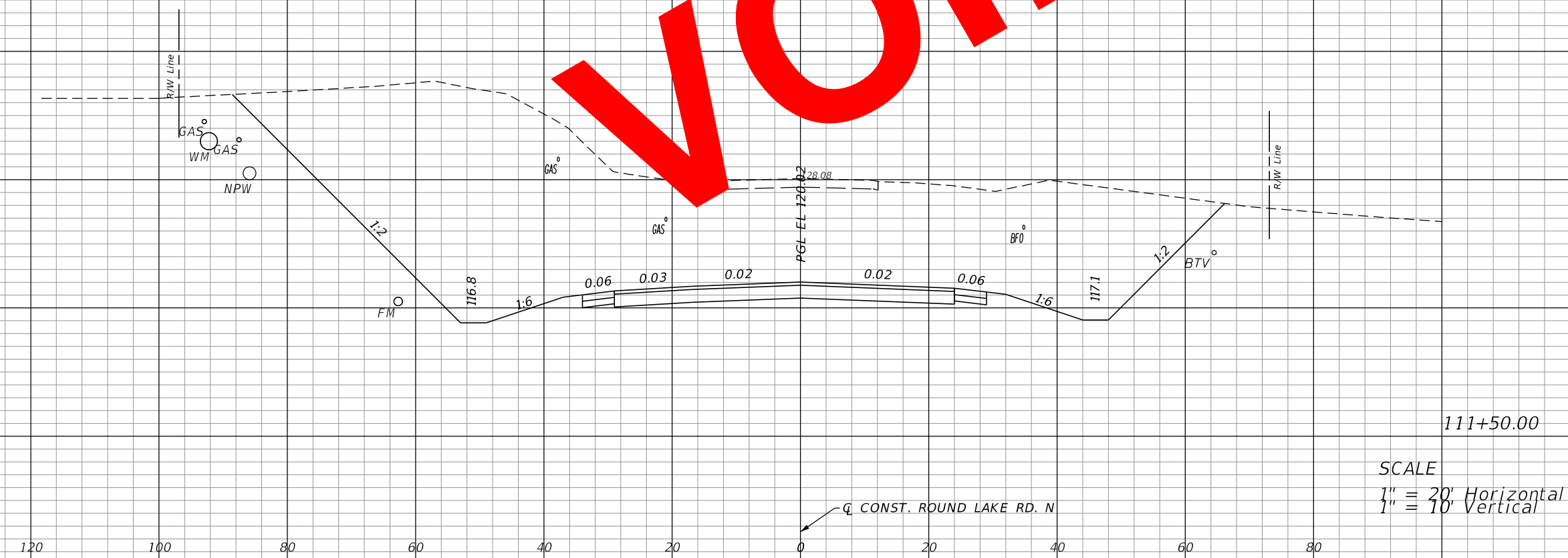
CROSS SECTIONS (58)
ROUND LAKE ROAD NORTH

SHEET NO.
153

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

Regular		Exc.		Embankment	
A	V	A	V	A	V

146
144
142
140
138
136
134
132
130
128
126
124
122
120
118
116
114
112
110
108



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

1517	2699	0	0
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

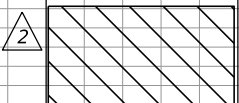
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (59)
ROUND LAKE ROAD NORTH

SHEET NO.
154

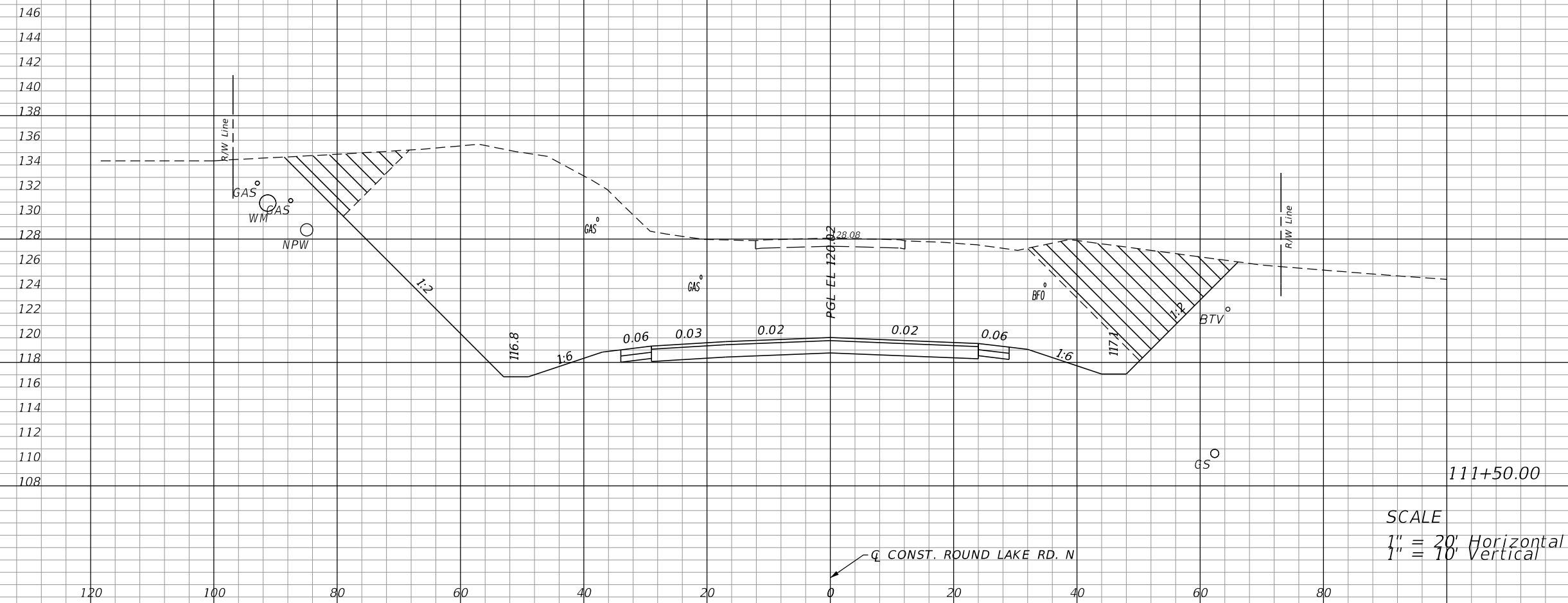
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



Regular		Exc.		Embankment	
A	V	A	V	A	V



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

1305	2354	0	0
------	------	---	---

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

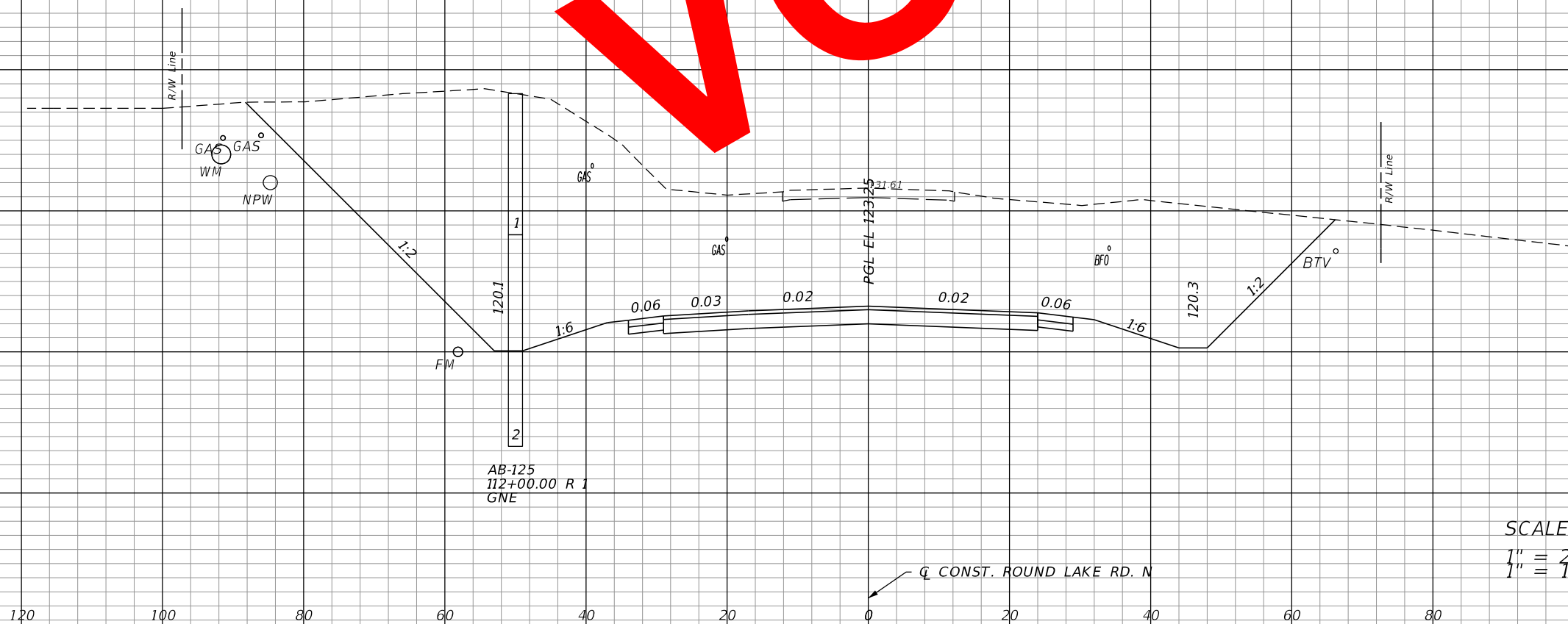
CROSS SECTIONS (59)
ROUND LAKE ROAD NORTH

SHEET NO.
154

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

VOID

150
148
146
144
142
140
138
136
134
132
130
128
126
124
122
120
118
116
114
112
110



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

Regular		Exc.		Embankment	
A	V	A	V	A	V
1508		2801		0	0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

**CROSS SECTIONS (60)
ROUND LAKE ROAD NORTH**

SHEET NO.
155

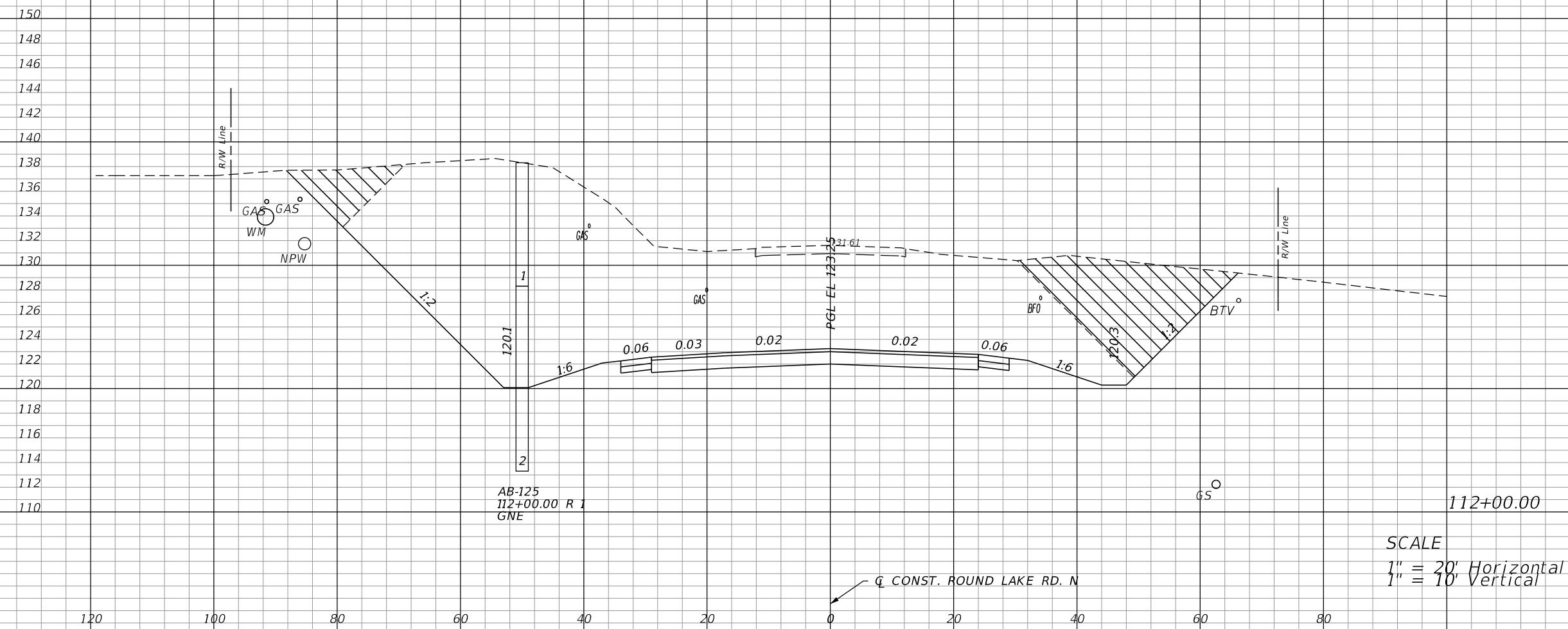
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



Regular		Exc.		Embankment	
A	V	A	V	A	V



1292	2405	0	0
------	------	---	---

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

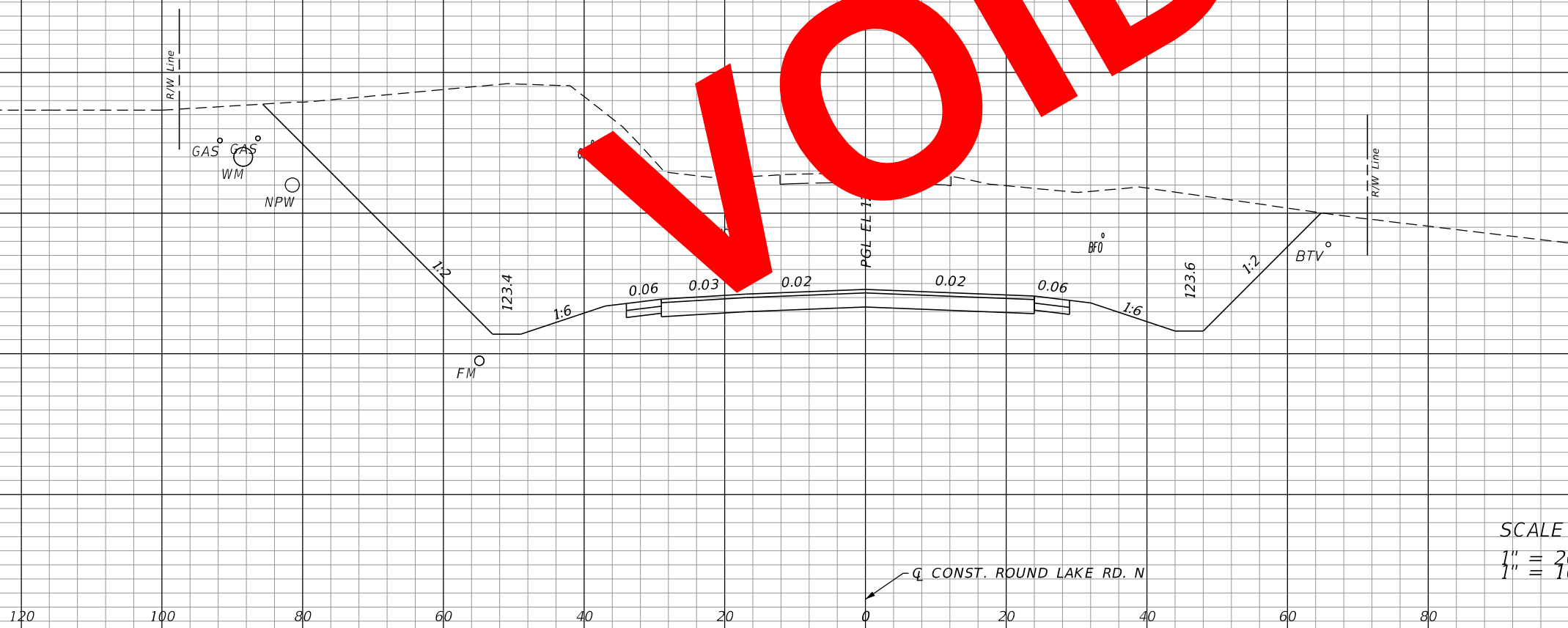
CROSS SECTIONS (60)
ROUND LAKE ROAD NORTH

SHEET NO.
155

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

Regular		Exc.		Embankment	
A	V	A	V	A	V

152
150
148
146
144
142
140
138
136
134
132
130
128
126
124
122
120
118
116
114
112



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

1453	2741	0	0
------	------	---	---

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (61) ROUND LAKE ROAD NORTH	SHEET NO. 156
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

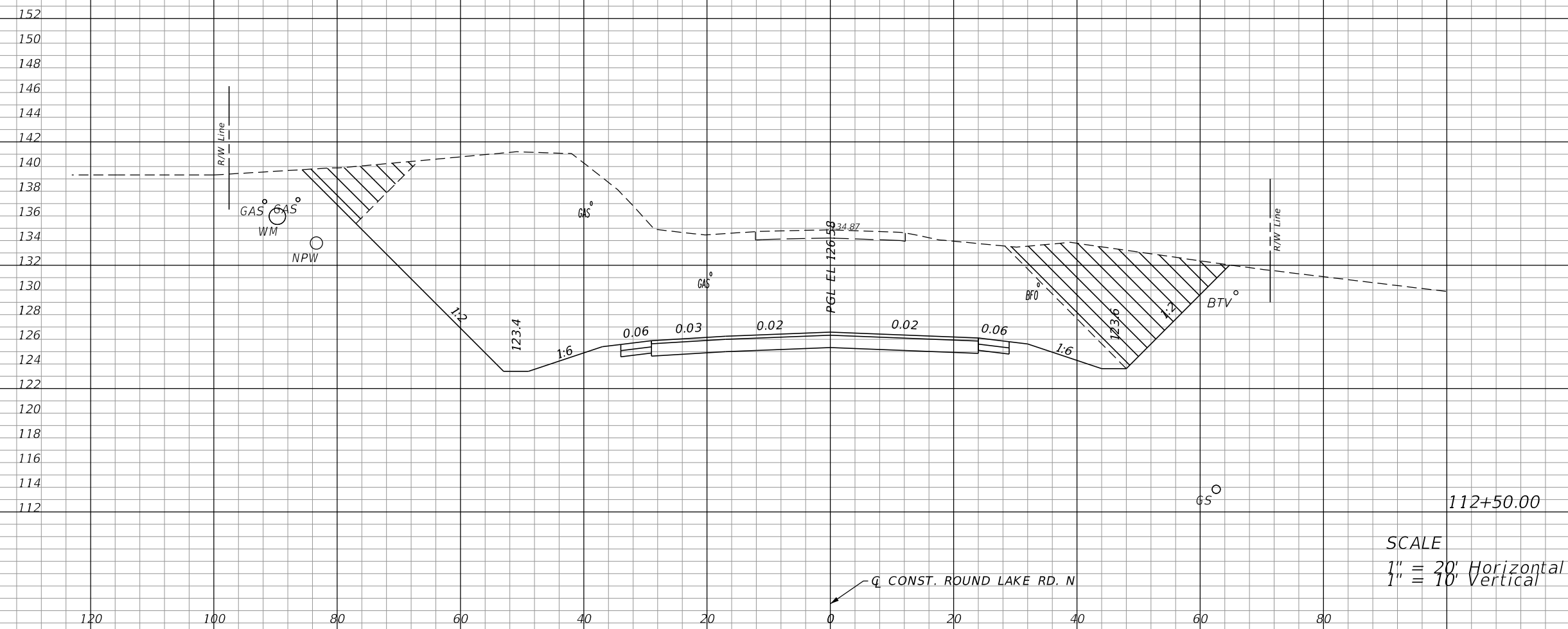
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)

2

Regular Exc. Embankment
A V A V



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

1230 2335 0 0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (61)
ROUND LAKE ROAD NORTH

SHEET NO.
156

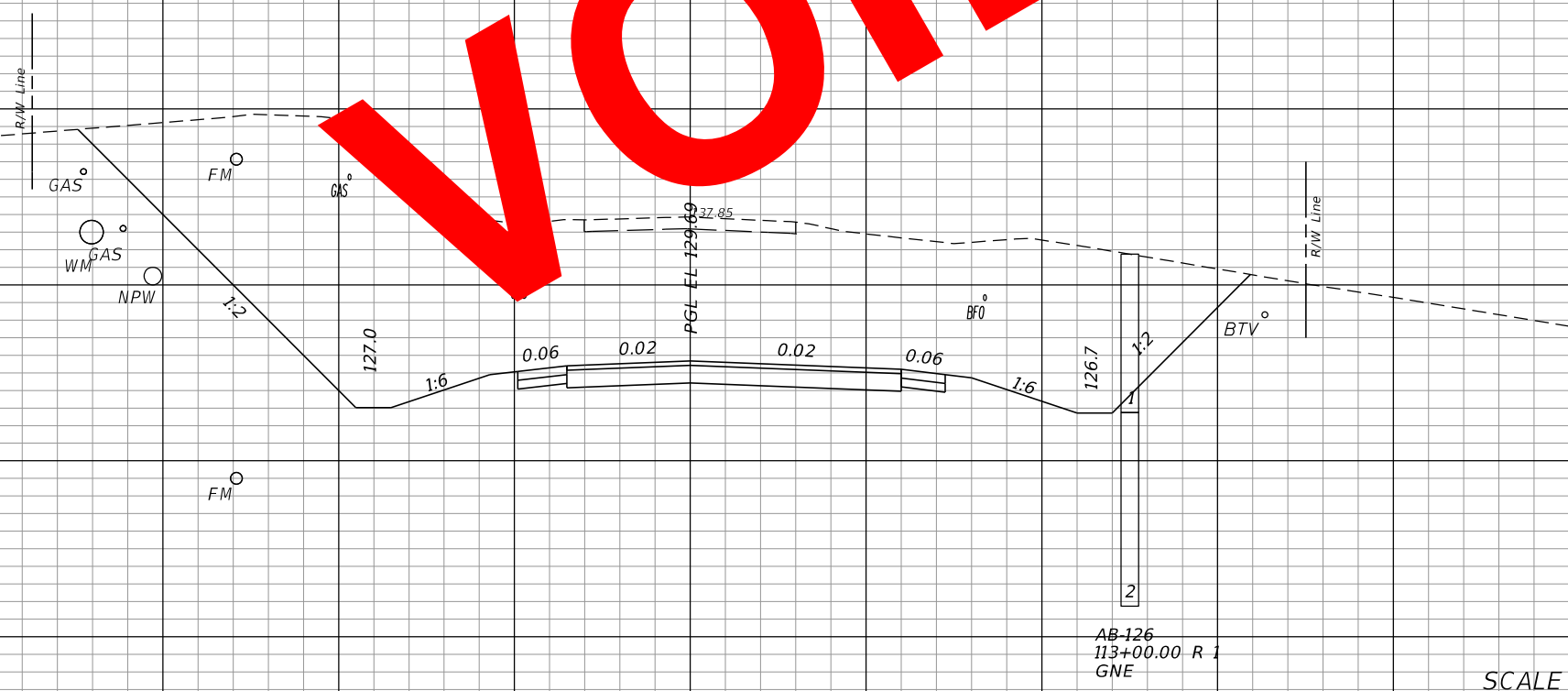
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Regular		Exc.		Embankment	
A	V	A	V	A	V

154
152
150
148
146
144
142
140
138
136
134
132
130
128
126
124
122
120
118
116
114

120 100 80 60 40 20 0 20 40 60 80

VOID



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

1162	2421	0	0
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

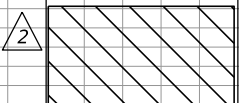
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (62)
ROUND LAKE ROAD NORTH

SHEET NO.
157

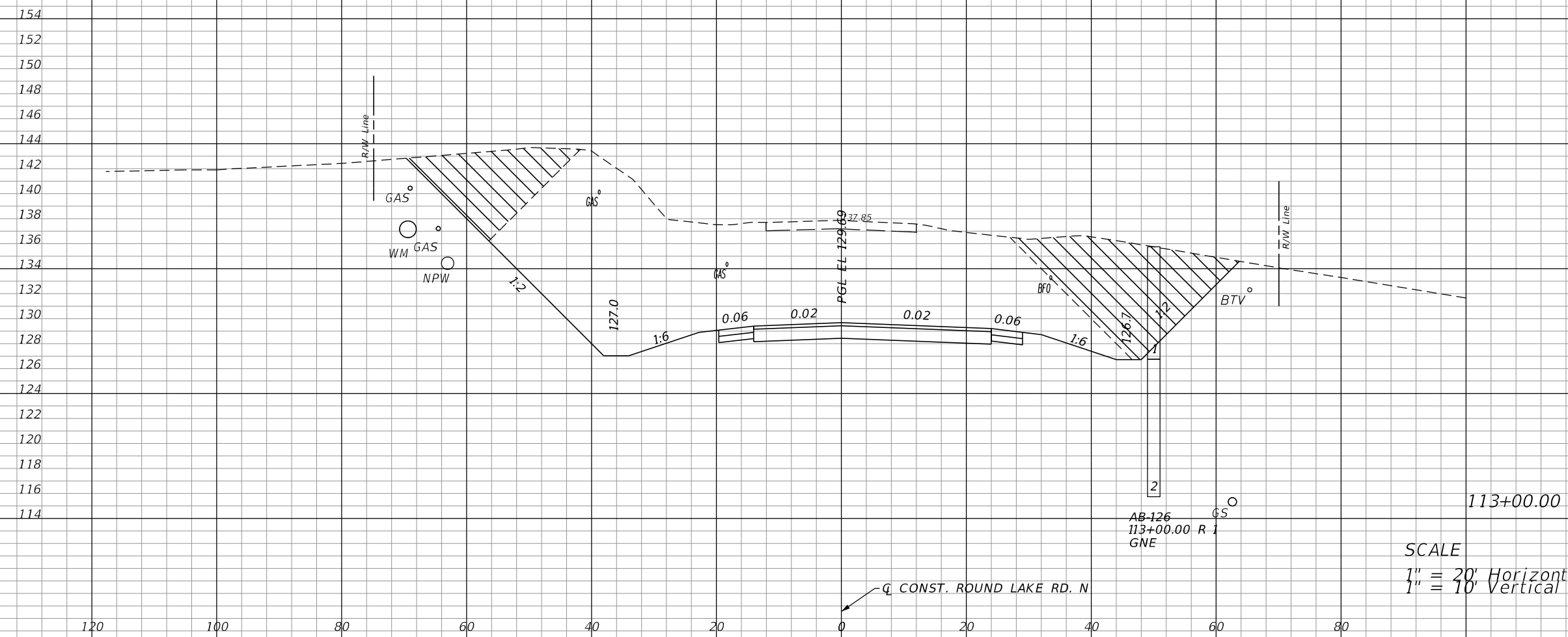
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



Regular		Exc.		Embankment	
A	V	A	V	A	V



881	1955	0	0
-----	------	---	---

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

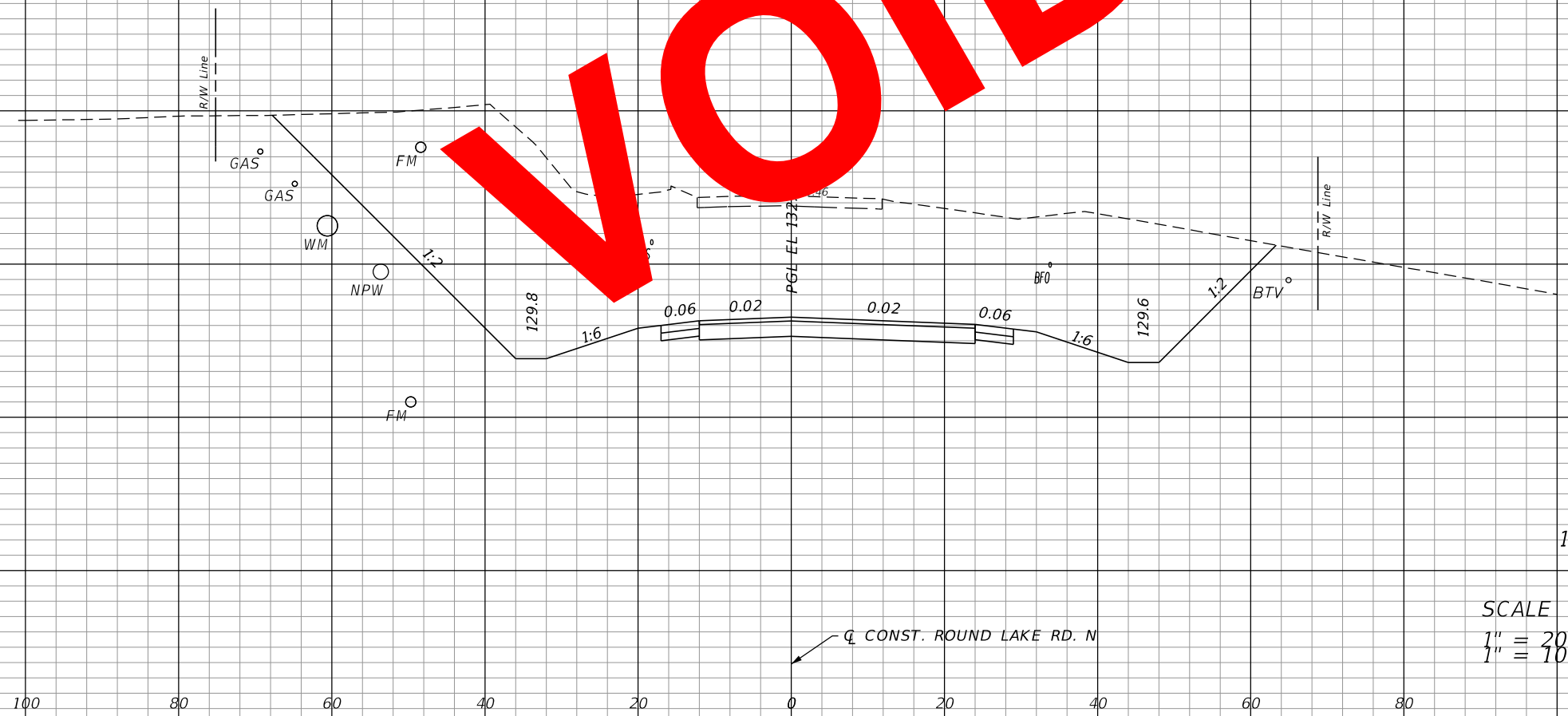
CROSS SECTIONS (62)
ROUND LAKE ROAD NORTH

SHEET NO.
157

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

Regular		Exc.		Embankment	
A	V	A	V	A	V

158
156
154
152
150
148
146
144
142
140
138
136
134
132
130
128
126
124
122
120
118
116



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

1111	2105	0	0
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

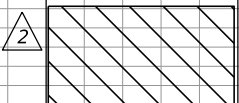
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 46	LAKE	238275-3-52-01

CROSS SECTIONS (63)
ROUND LAKE ROAD NORTH

SHEET NO.
158

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

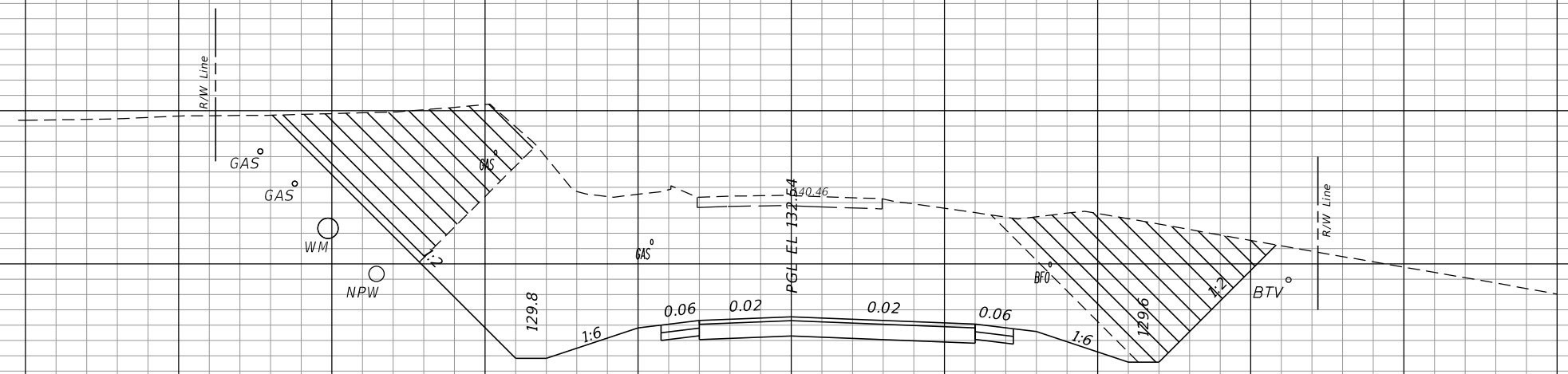


EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



Regular		Exc.		Embankment	
A	V	A	V	A	V

158
156
154
152
150
148
146
144
142
140
138
136
134
132
130
128
126
124
122
120
118
116



113+50.00

742	1503	0	0
-----	------	---	---

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

120 100 80 60 40 20 0 20 40 60 80

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

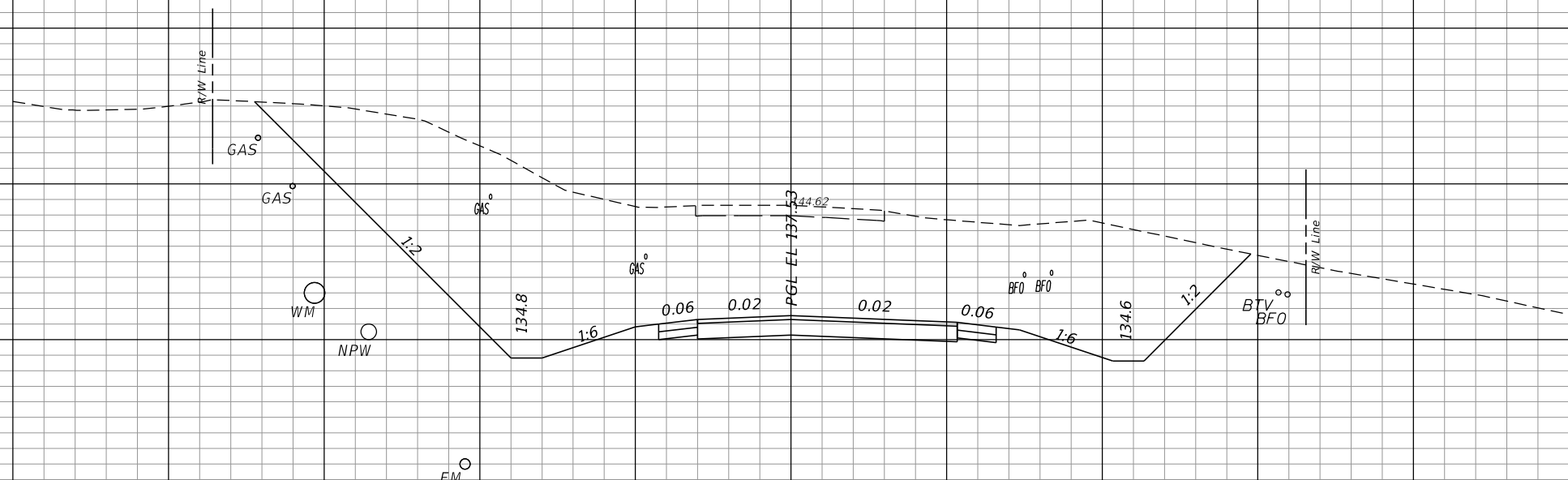
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 46	LAKE	238275-3-52-01

CROSS SECTIONS (63)
ROUND LAKE ROAD NORTH

SHEET NO.
158

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

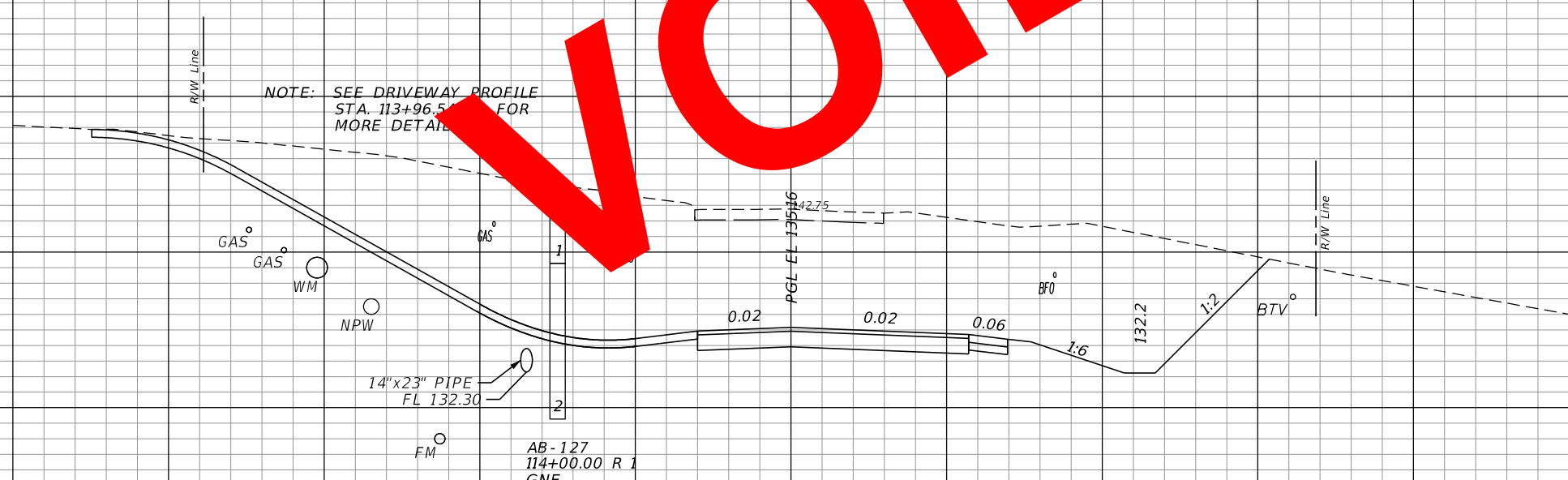
158
156
154
152
148
146
144
142
140
138
136
134
132
130
128
126
124
122



114+50.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
980			1859	0	0

156
154
152
150
148
146
144
142
140
138
136
134
132
130
128
126
124
122
120



NOTE: SEE DRIVEWAY PROFILE STA. 113+96.50 FOR MORE DETAILS

14"X23" PIPE
FL 132.30

AB-127
114+00.00 R 1
GNE

114+00.00

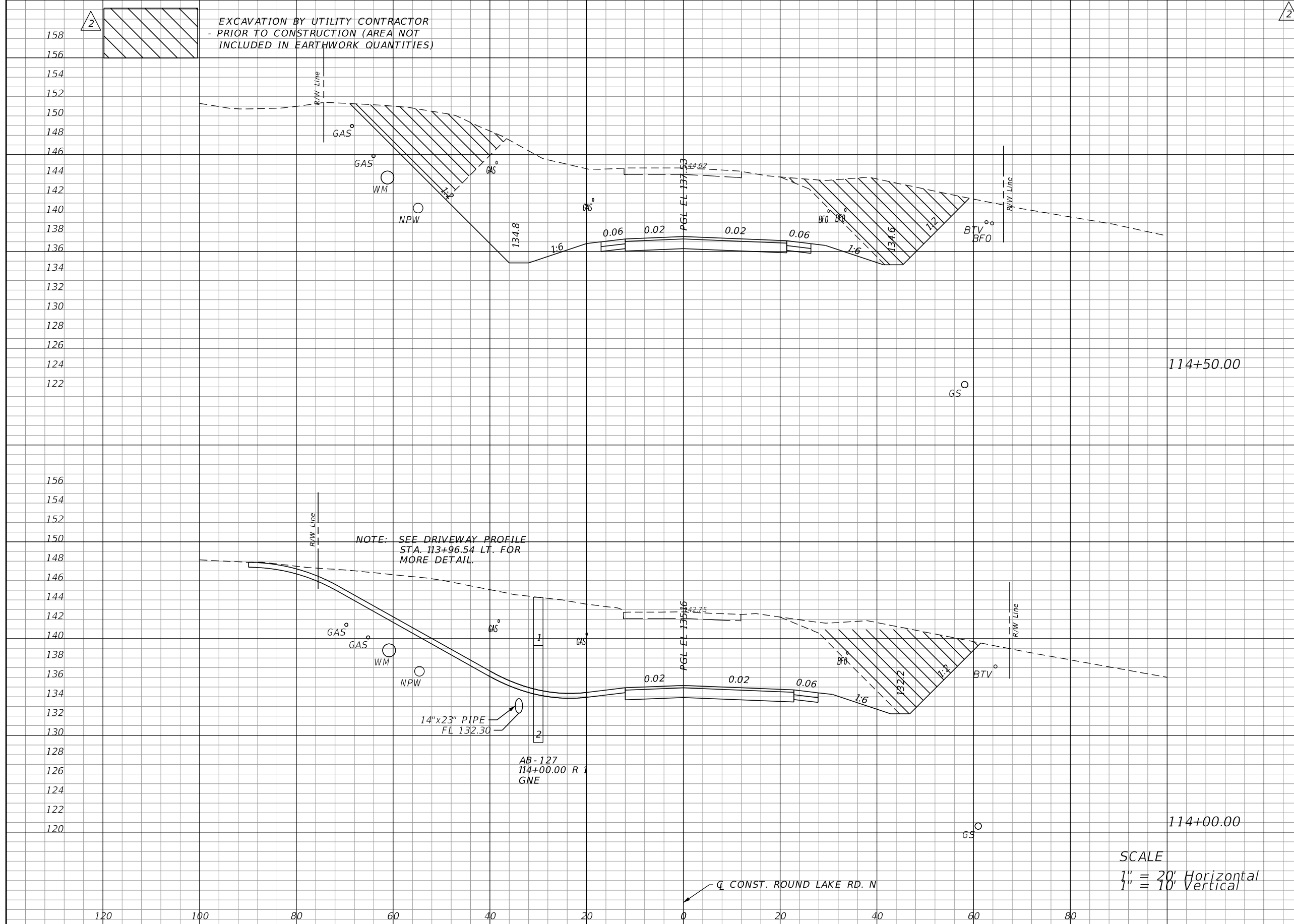
SCALE
1" = 20' Horizontal
1" = 10' Vertical

CONST. ROUND LAKE RD. N

120 100 80 60 40 20 0 20 40 60 80

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (64) ROUND LAKE ROAD NORTH	SHEET NO. 159
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
663	1419	0	0	0	0
869	1492	0	0	0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

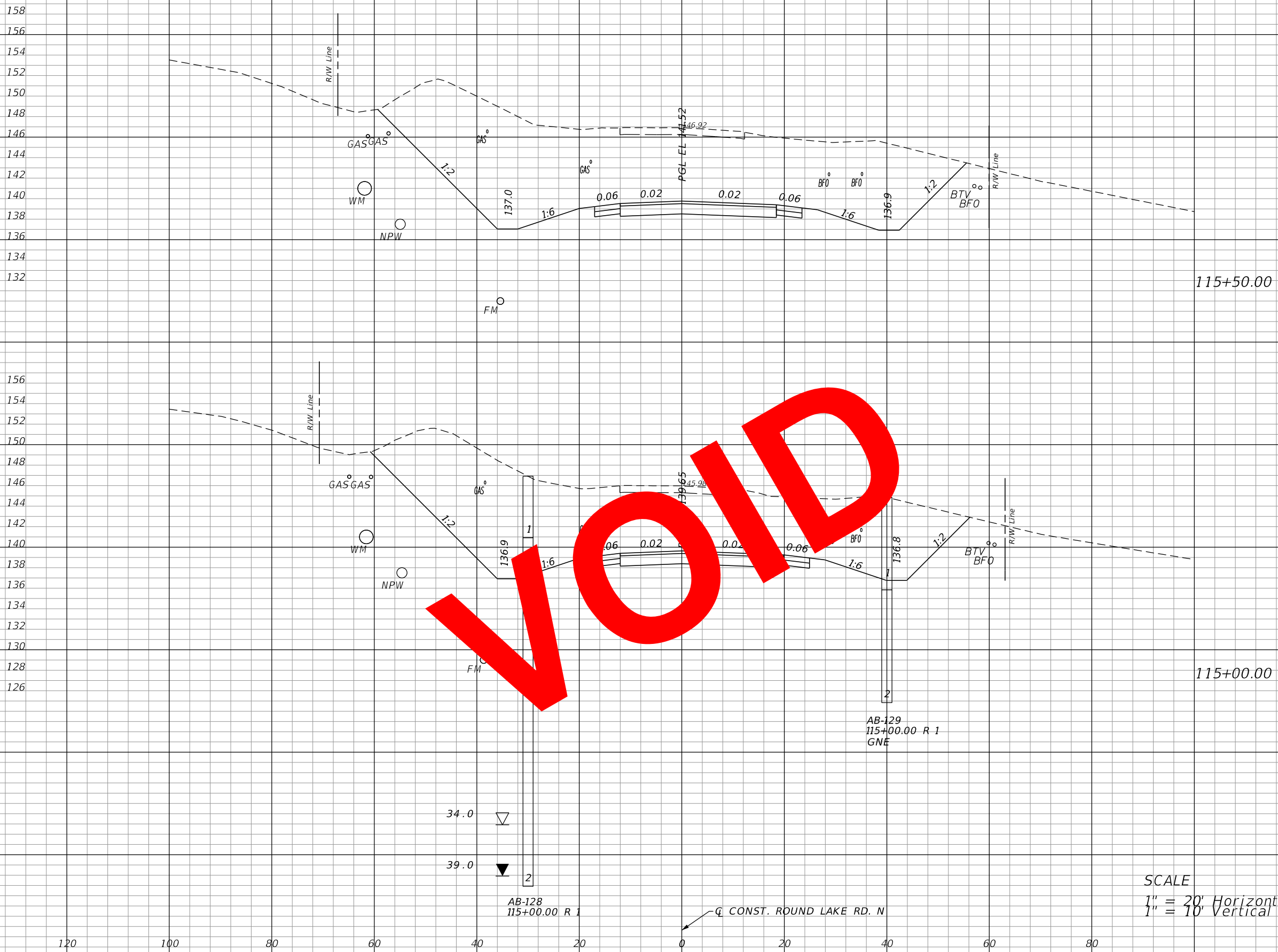
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (64)
ROUND LAKE ROAD NORTH

SHEET NO. 159

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
887		1598		0	0
839		1684		0	0

VOID

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

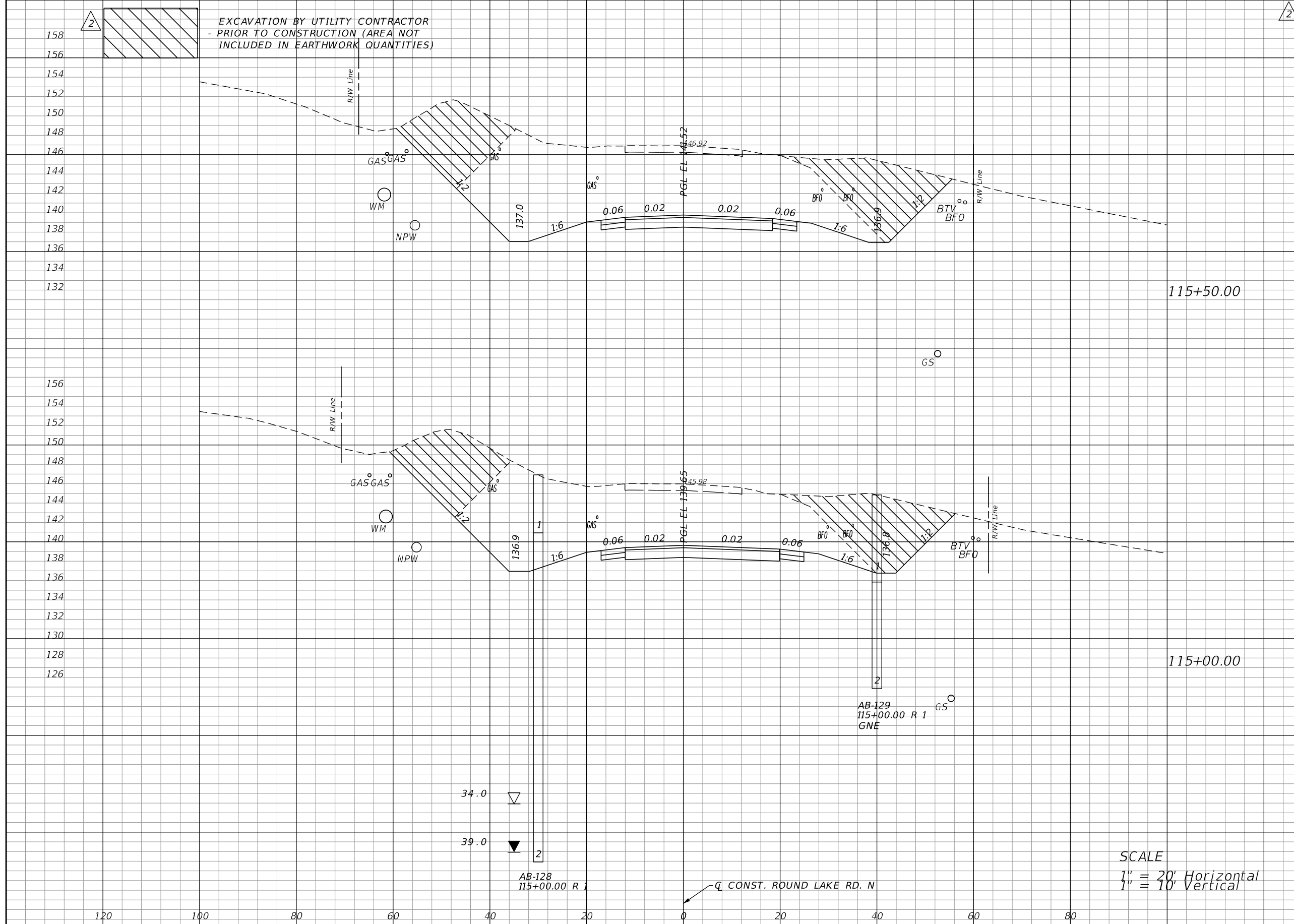
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (65)
ROUND LAKE ROAD NORTH

SHEET NO.
 160

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
634	1120	0	0	0	0
576	1147	0	0	0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

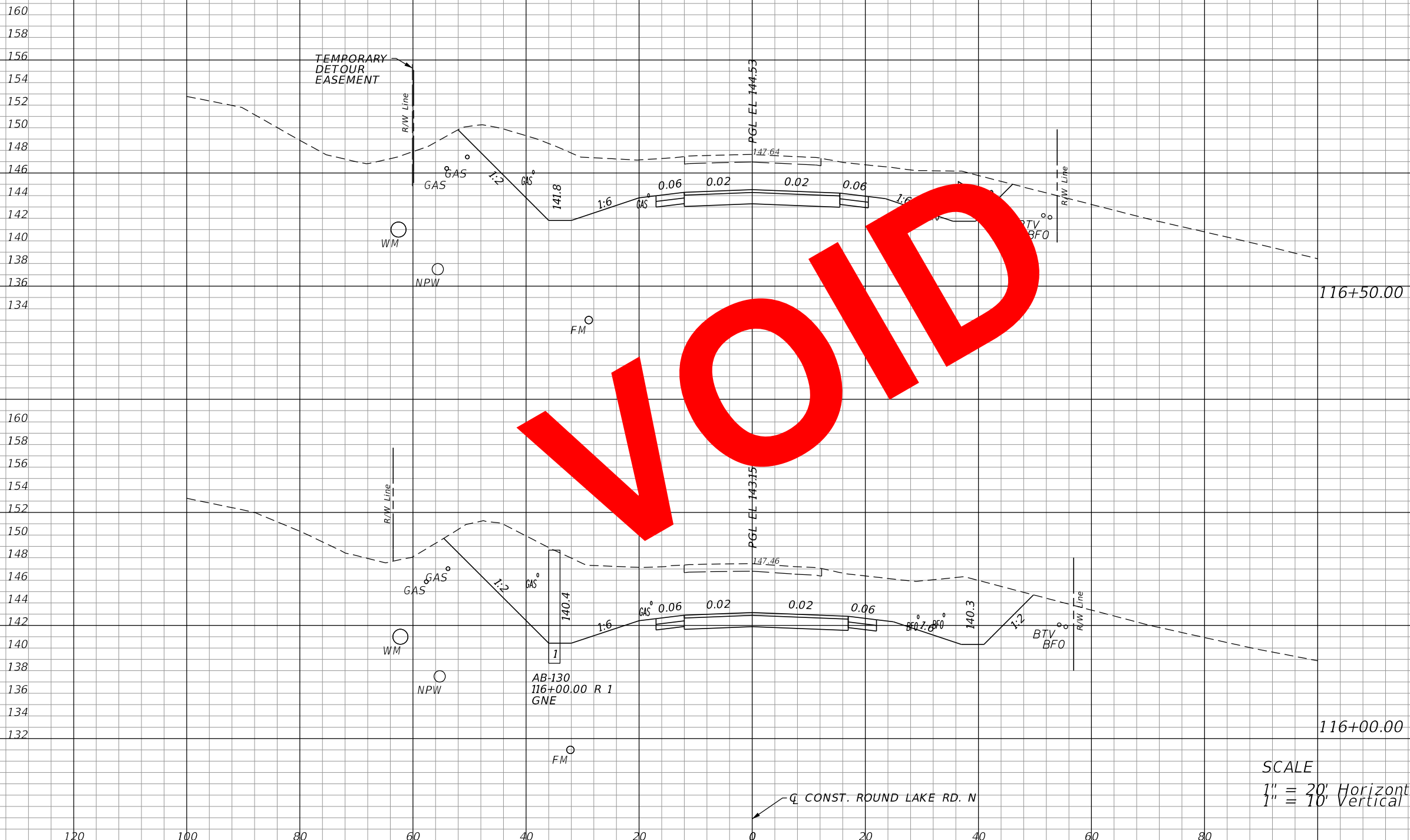
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (65)
ROUND LAKE ROAD NORTH

SHEET NO.
160

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

VOID



Regular		Exc.		Embankment	
A	V	A	V	A	V
393				0	
	866				0
542				0	
	1323				0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

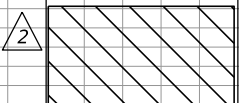
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (66)
ROUND LAKE ROAD NORTH

SHEET NO.
 161

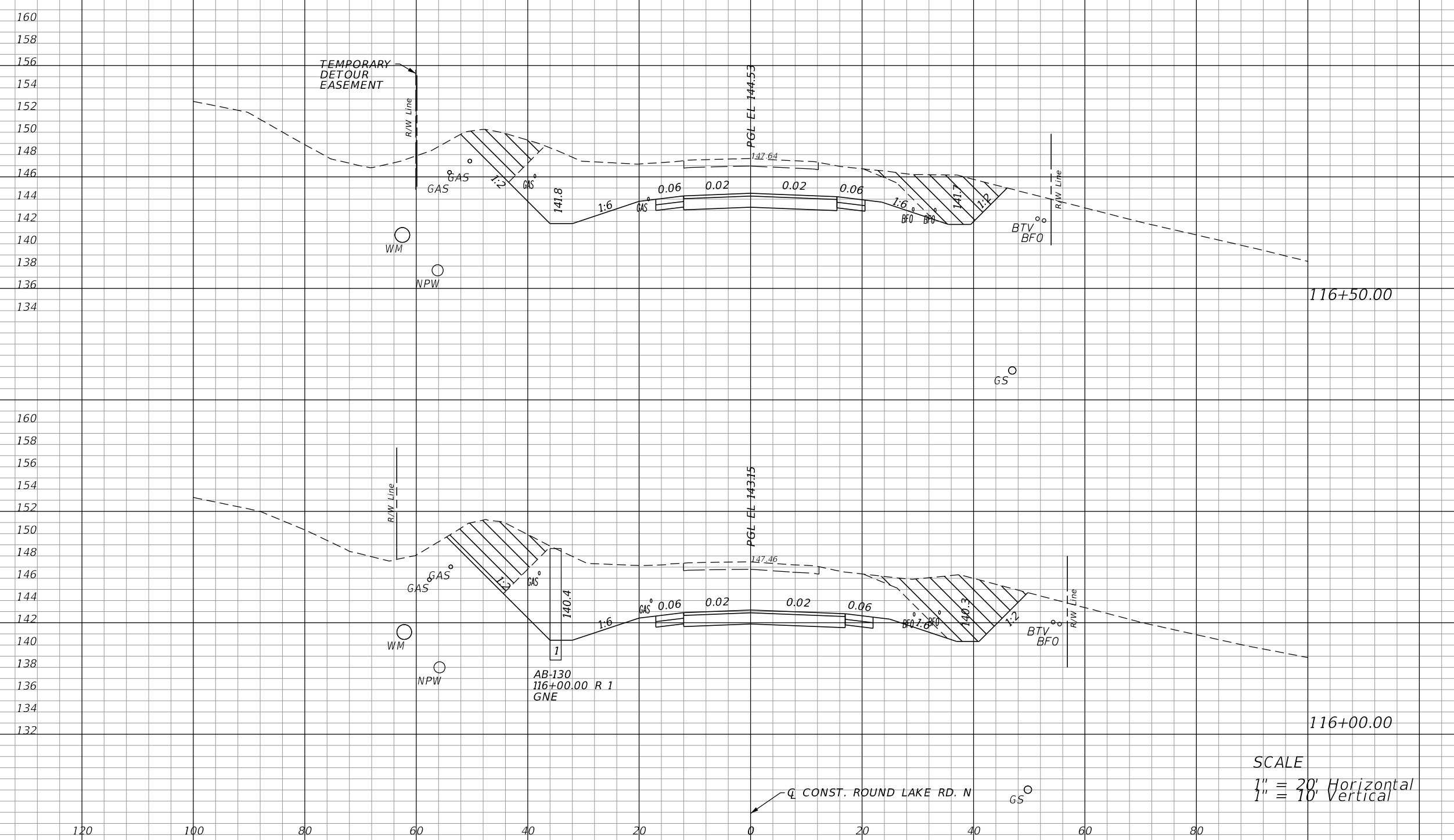
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



Regular		Exc.		Embankment	
A	V	A	V	A	V



297	635	0	0
389	947	0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

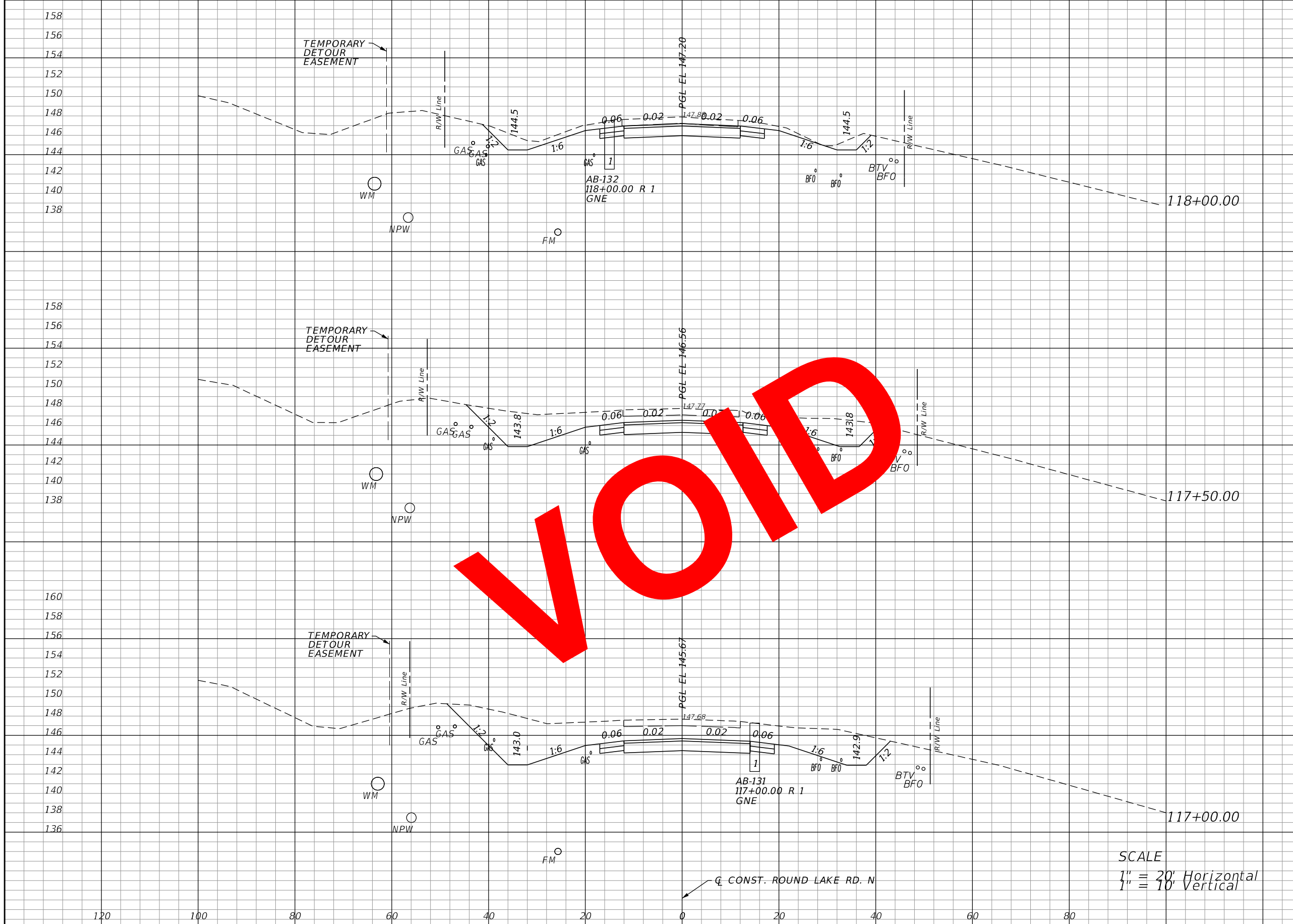
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (66)
ROUND LAKE ROAD NORTH

SHEET NO.
161

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
92	261	0	0	0	0
190	435	0	0	0	0
280	623	0	0	0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

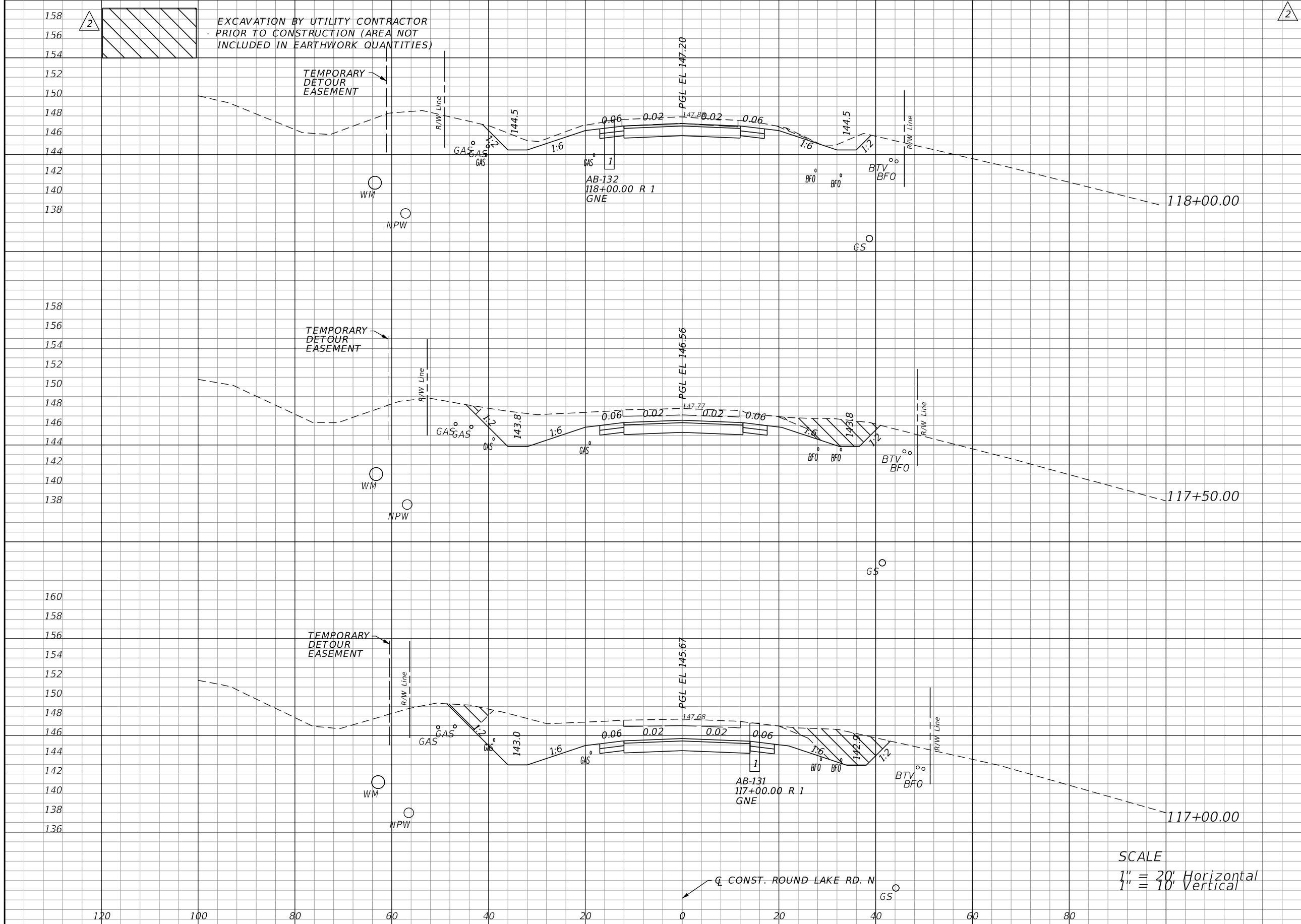
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (67)
ROUND LAKE ROAD NORTH

SHEET NO.
 162

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



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
118+00.00	92	227	0	0	0	0
117+50.00	153	347	0	0	0	0
117+00.00	222	481	0	0	0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

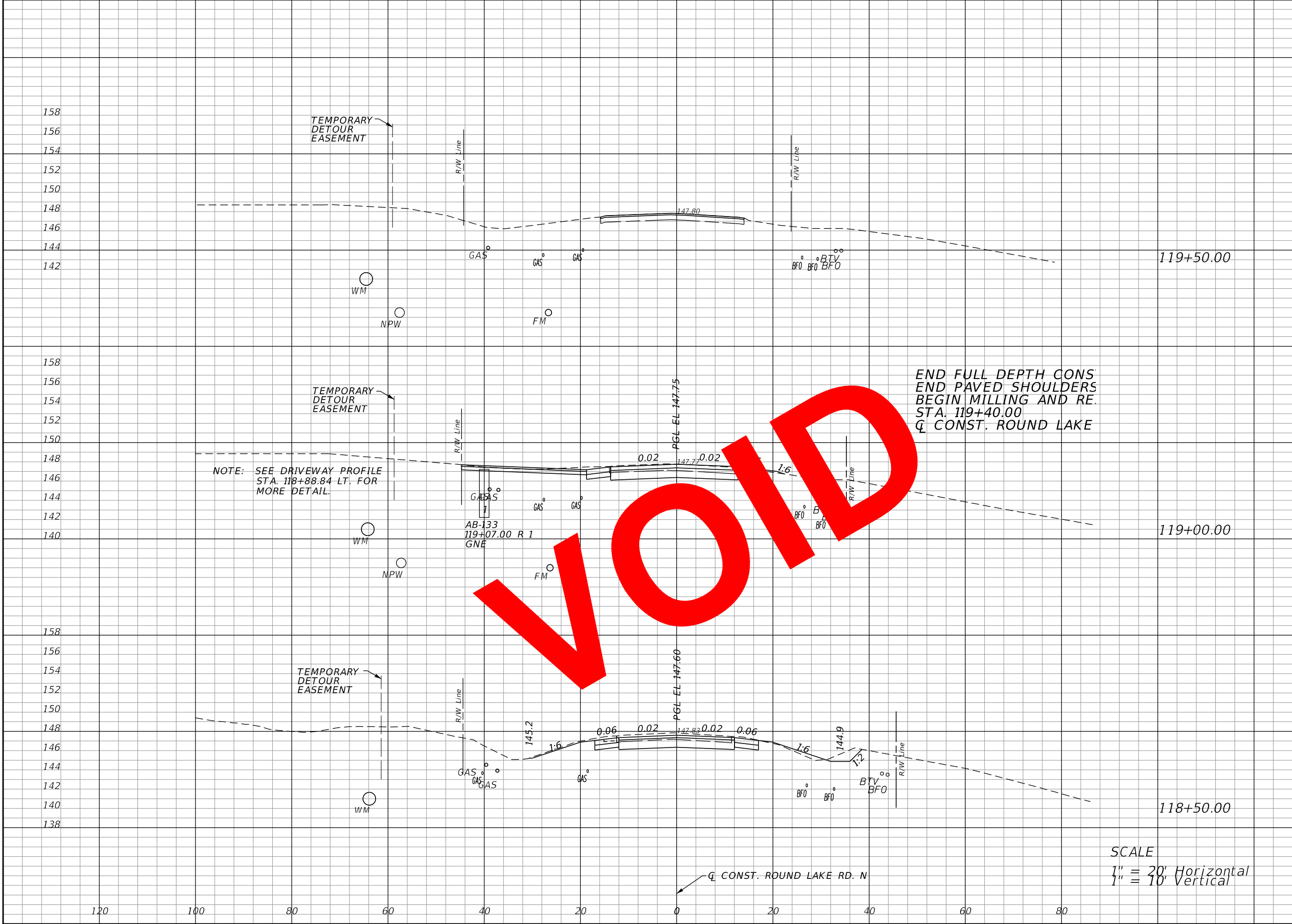
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (67)
ROUND LAKE ROAD NORTH

SHEET NO.
 162

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0		0			
60	44	1			
	105			1	3
54		3			
	135				2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

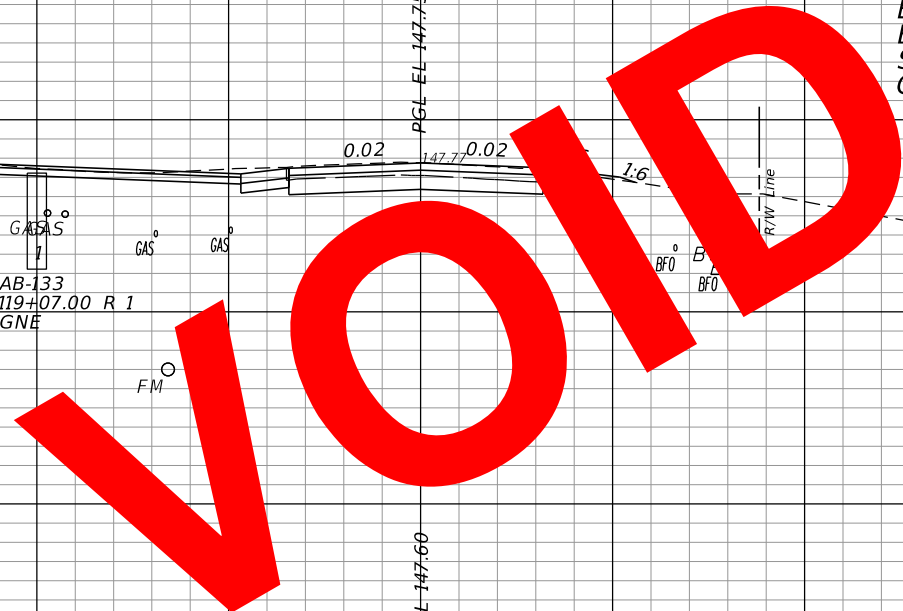
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (68)
ROUND LAKE ROAD NORTH

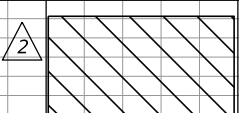
SHEET NO.
 163

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



END FULL DEPTH CONS
 END PAVED SHOULDERS
 BEGIN MILLING AND RE.
 STA. 119+40.00
 Q CONST. ROUND LAKE

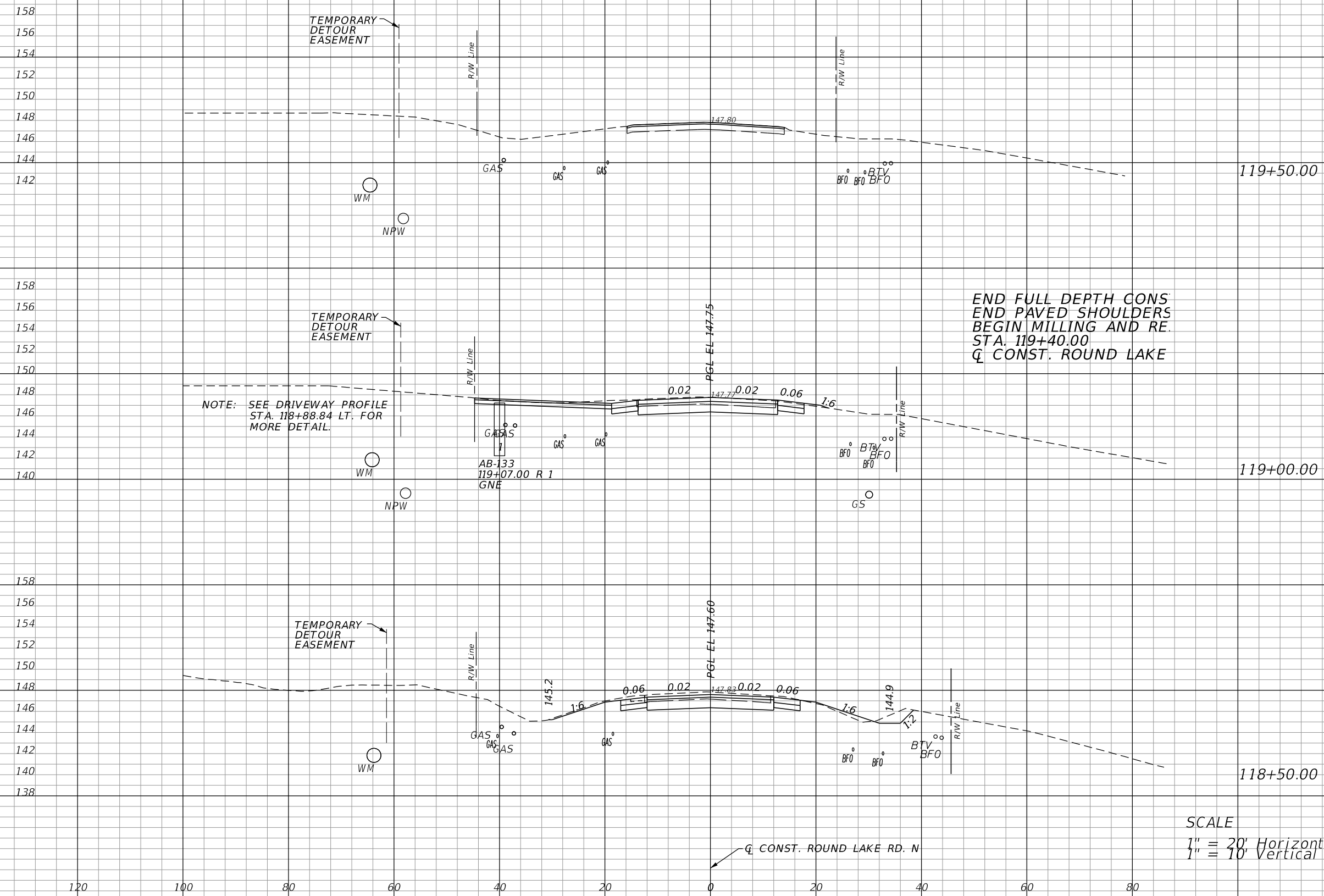
SCALE
 1" = 20' Horizontal
 1" = 10' Vertical



EXCAVATION BY UTILITY CONTRACTOR
- PRIOR TO CONSTRUCTION (AREA NOT
INCLUDED IN EARTHWORK QUANTITIES)



Regular		Exc.		Embankment	
A	V	A	V	A	V
0		0			
60	44	1			
	106		1		4
54		3			
	135				3



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	2 REVISED EXISTING GROUND		

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBAY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
BRET W. BENNETT, P.E.
P.E. NUMBER 53977
CERTIFICATE OF AUTHORIZATION NO. 2856

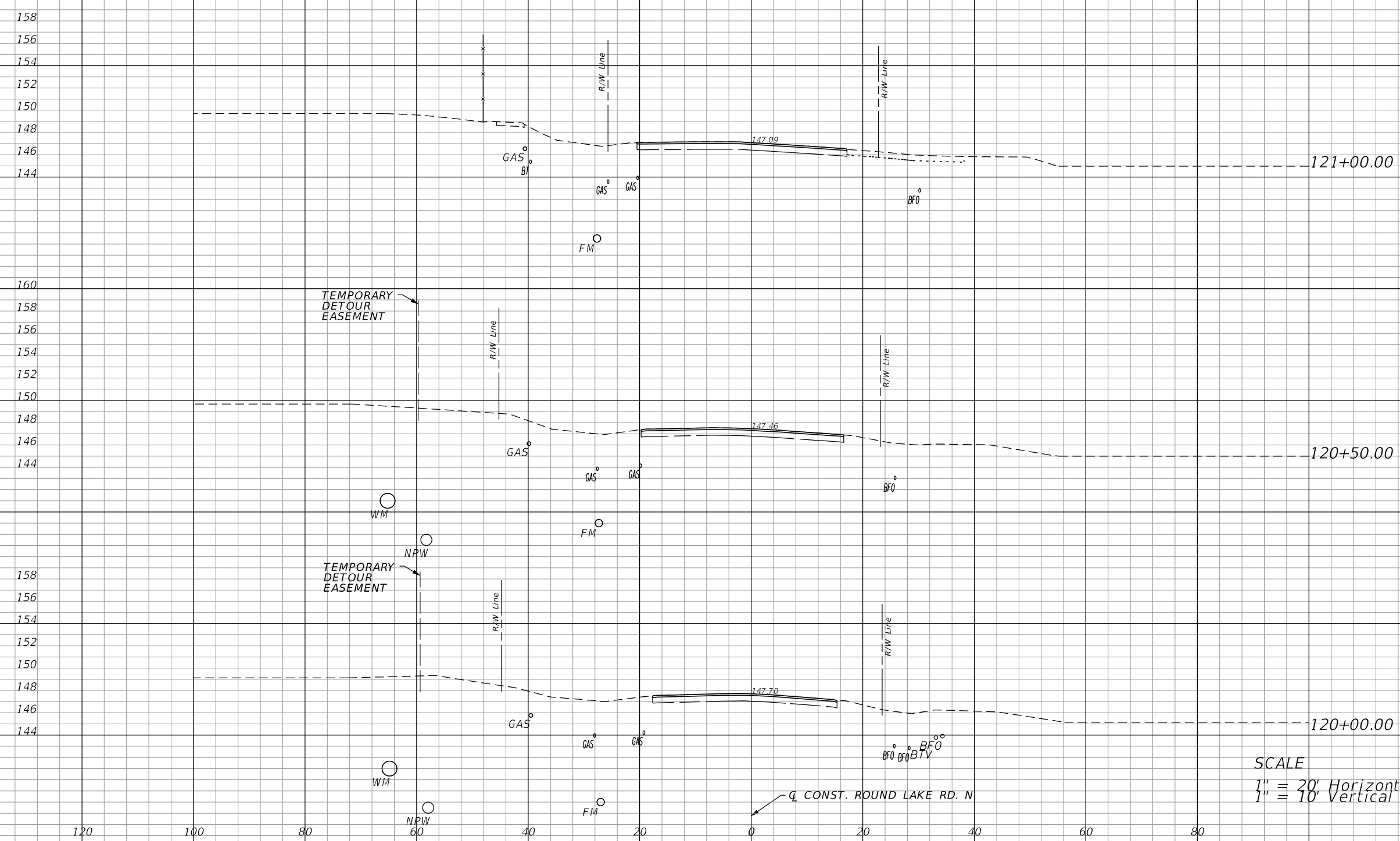
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (68)
ROUND LAKE ROAD NORTH

SHEET NO.
163

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

Regular		Exc.		Embankment	
A	V	A	V	A	V



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

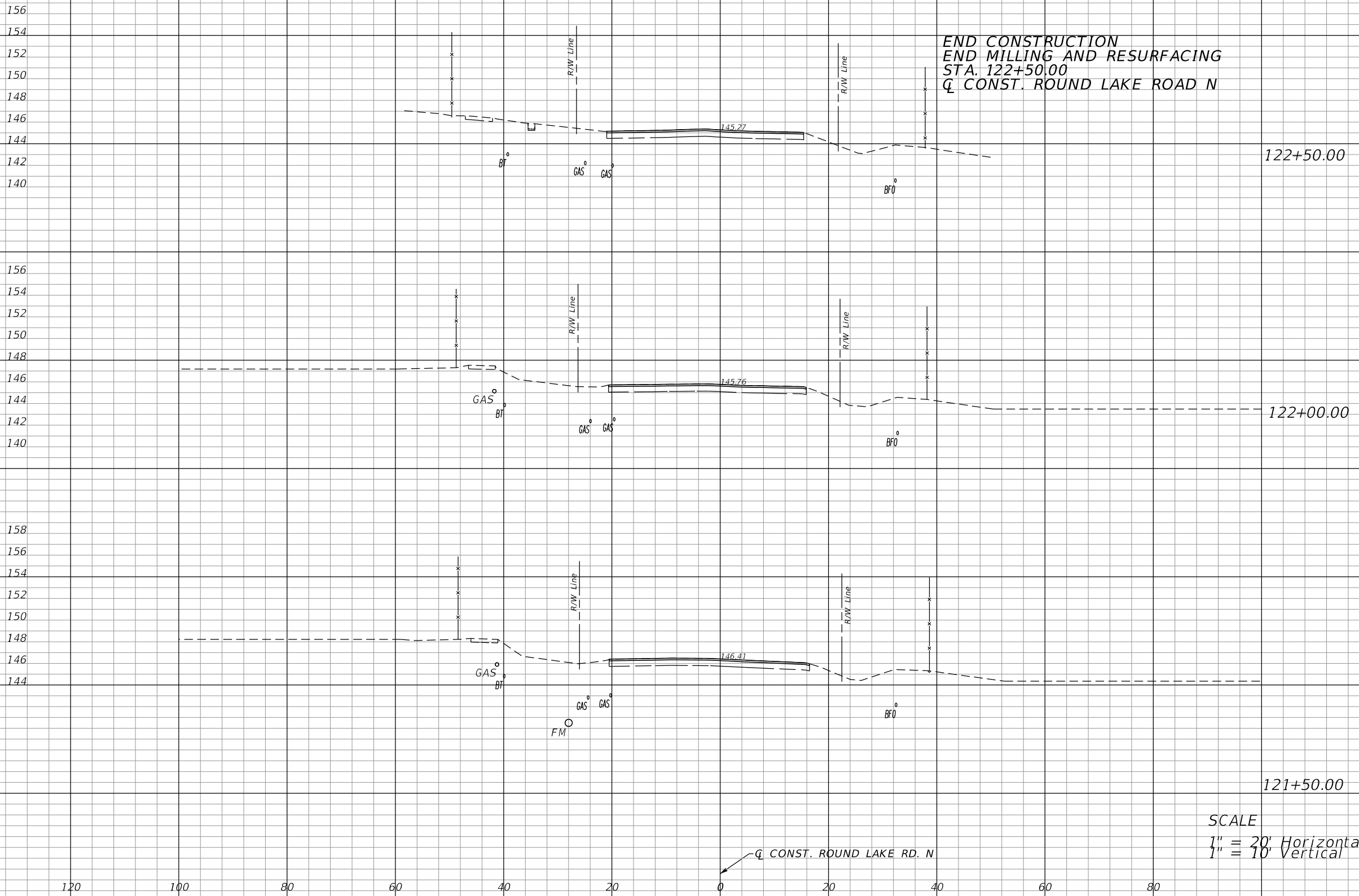
CROSS SECTIONS (69)
ROUND LAKE ROAD NORTH

SHEET NO.
 164

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

Regular Exc. Embankment

A V A V



END CONSTRUCTION
 END MILLING AND RESURFACING
 STA. 122+50.00
 Q CONST. ROUND LAKE ROAD N

122+50.00

122+00.00

121+50.00

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

Q CONST. ROUND LAKE RD. N

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

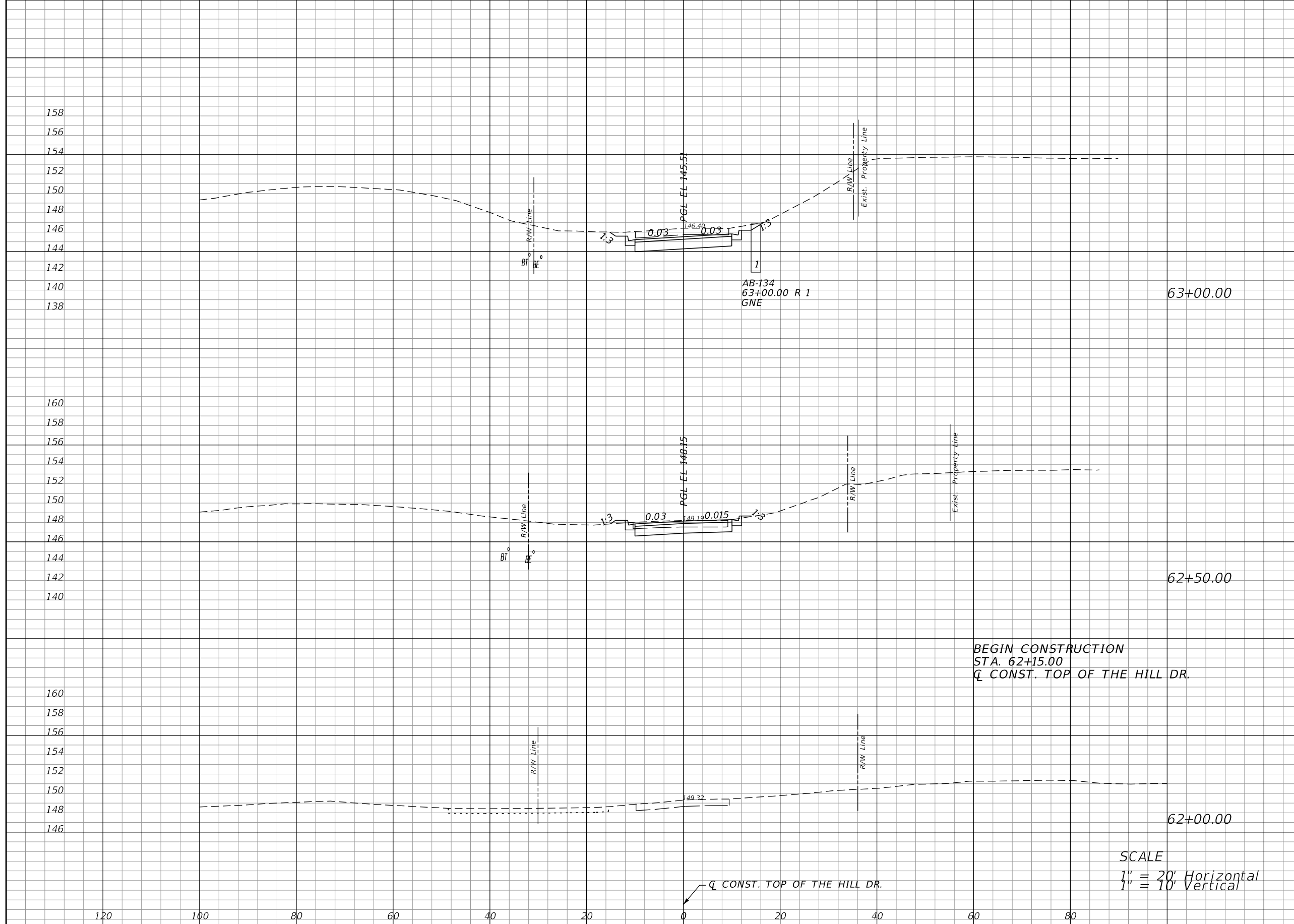
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
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 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (70)
ROUND LAKE ROAD NORTH

SHEET NO.
 165

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Regular		Exc.		Embankment	
A	V	A	V	A	V
37	50	0	1	0	1
17	11	1	1	0	0
0	0	0	0	0	0

BEGIN CONSTRUCTION
 STA. 62+15.00
 Q CONST. TOP OF THE HILL DR.

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
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 BRET W. BENNETT, P.E.
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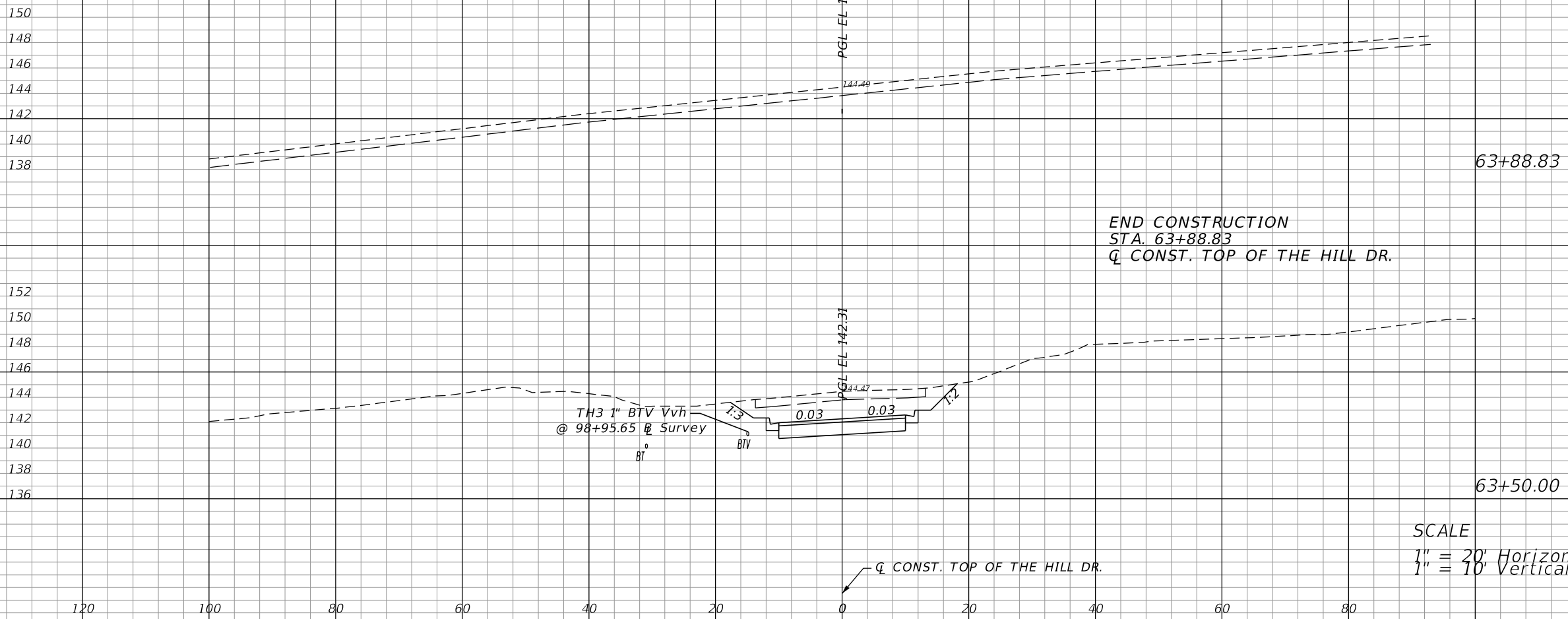
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (71)
TOP OF THE HILL DRIVE

SHEET NO.
 166

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

Regular		Exc.		Embankment	
A	V	A	V	A	V
0				0	
	52				0
72				0	
	101				0



END CONSTRUCTION
 STA. 63+88.83
 Q CONST. TOP OF THE HILL DR.

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

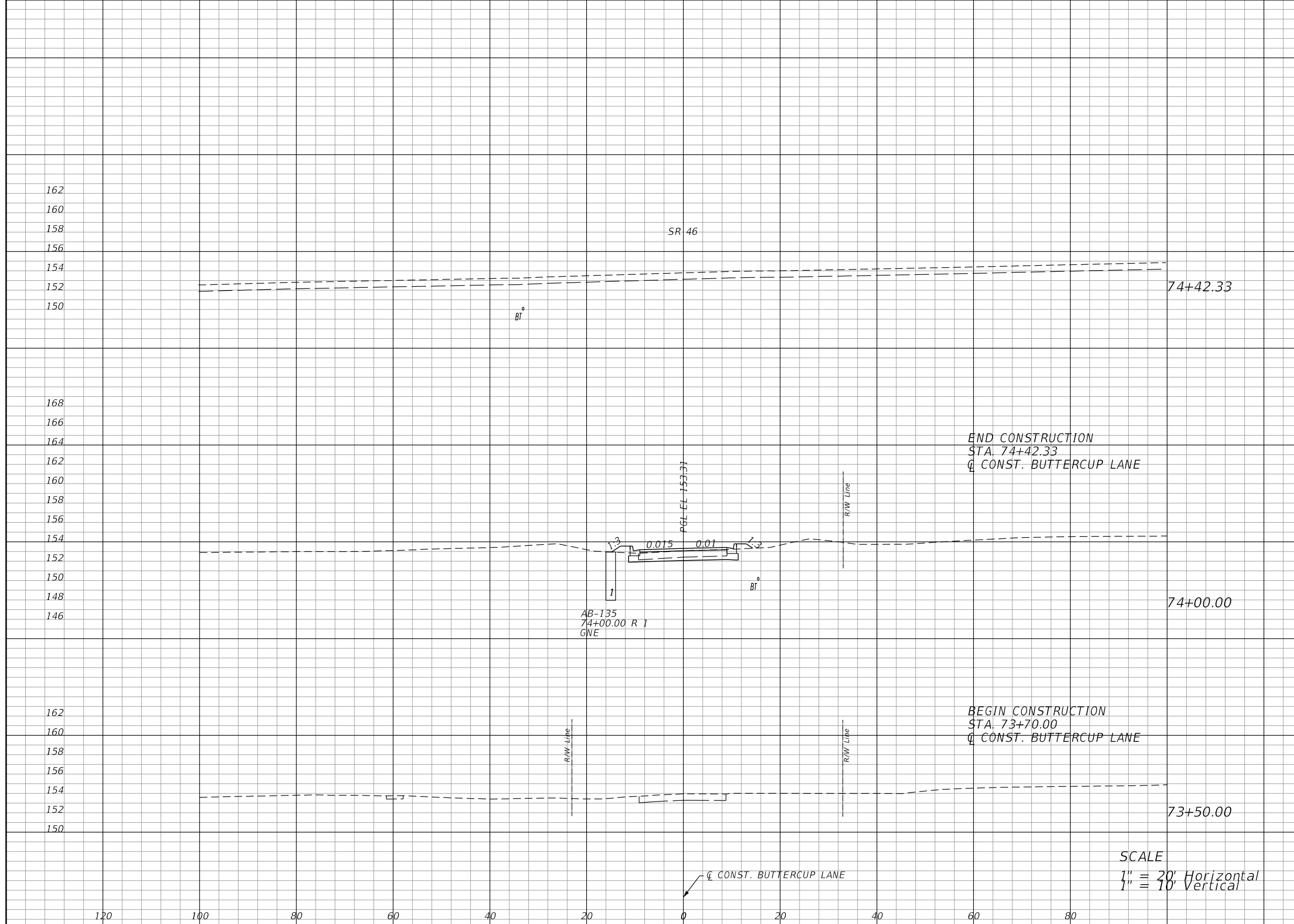
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (72)
TOP OF THE HILL DRIVE

SHEET NO.
 167

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0		0		0	
20	16	2	2	2	1
0		0		0	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
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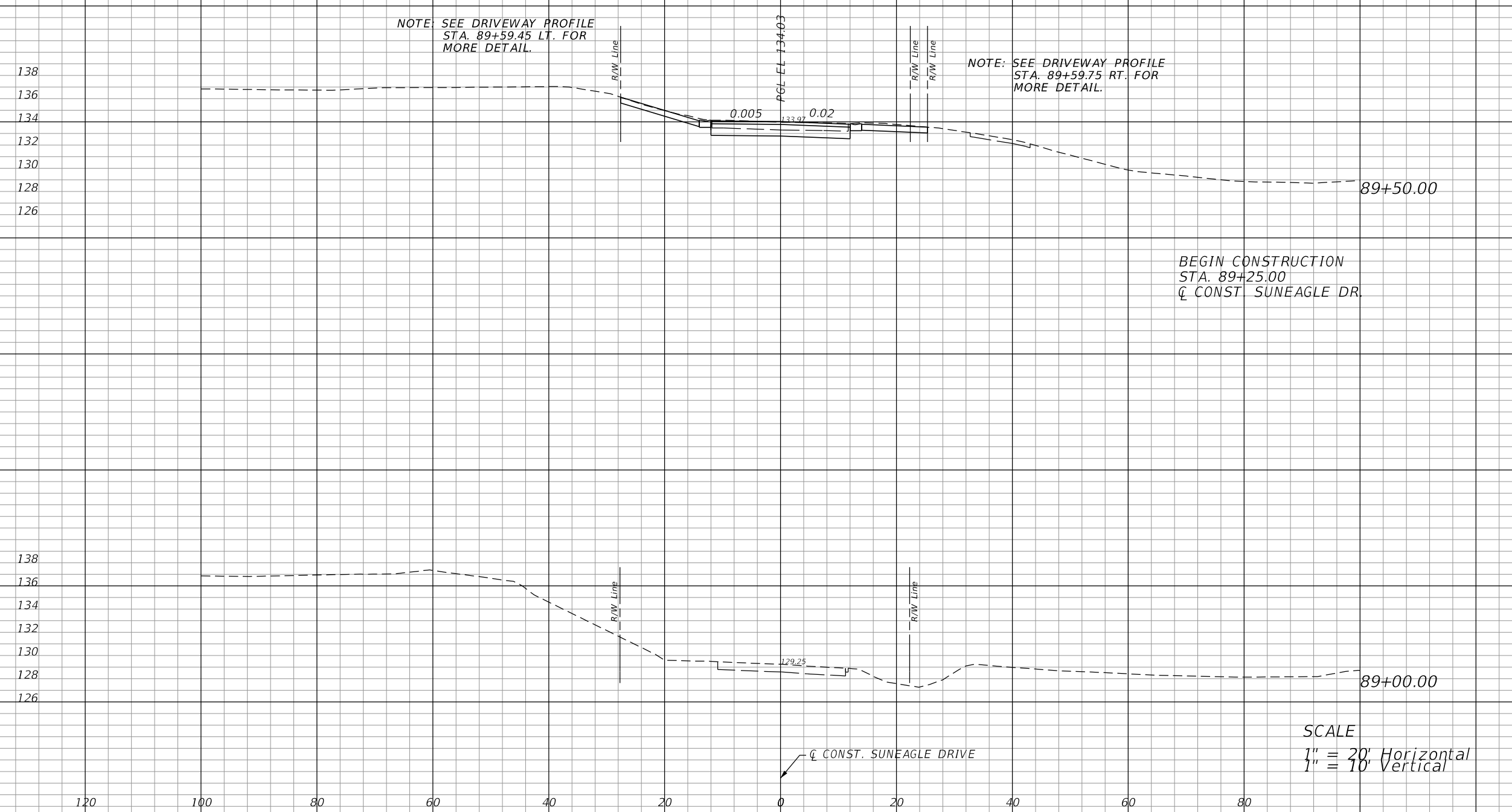
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (73)
BUTTERCUP LANE

SHEET NO.
 168

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

Regular		Exc.		Embankment	
A	V	A	V	A	V



38	18	0	0
0	0	0	0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

CROSS SECTIONS (74)
SUNEAGLE DRIVE

SHEET NO.
169

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

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTORS APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

PROJECT LIMITS: SR 46 FROM EAST OF VISTA VIEW LANE TO EAST OF ROUND LAKE ROAD IN LAKE COUNTY.

THE PROJECT INCLUDES THE WIDENING OF SR 46 FROM A 2-LANE RURAL ROADWAY TO A 6-LANE DIVIDED URBAN ROADWAY WITH BICYCLE LANES AND SIDEWALKS IN EACH DIRECTION.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

- BOTH OF THE PONDS AND THEIR OUTFALLS FOR THIS PROJECT ARE BEING DESIGNED AND WILL BE CONSTRUCTED BY OTHERS BEFORE OR DURING THE CONSTRUCTION OF THIS PROJECT.
- CLEARING AND GRUBBING, EARTHWORK AND CONSTRUCTION OF STORM DRAIN PIPES IN THE UPSTREAM DIRECTION AND CONVEYANCE DITCHES.
- EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, CURB, SUBGRADE, BASE, PAVEMENT AND SIDEWALK.
- ASSOCIATED PAVING, MILLING AND RESURFACING.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 72.16 ACRES.
TOTAL AREA TO BE DISTURBED: 25.56 ACRES.

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:
BEFORE: 0.33
DURING: VARIES FROM 0.33 TO 0.41
AFTER: 0.41

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET. THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE SANDY.

OUTFALL INFORMATION: WOLF BRANCH SINK AND BEAR POND.

1.E. SITE MAP

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS.

* APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE DRAINAGE MAPS, CROSS SECTION SHEETS AND THE PROFILE SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

* AREAS NOT TO BE DISTURBED: ESSENTIALLY THE WHOLE PROJECT AREA WITHIN THE R/W WILL BE DISTURBED DURING CONSTRUCTION.

* LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE TTC PLANS SHEETS. TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE SUMMARY OF QUANTITY SHEETS.

* LOCATION OF PERMANENT CONTROLS: THE STORMWATER PONDS ARE THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROL. SEE PLANS FOR WEKIVA SECTION 3B (FPID 238275-2-52-01) AND SECTION 2C (CFX 429-206).

* AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS AND THE PLAN AND PROFILE SHEETS.

* SURFACE WATERS: THERE ARE NO SURFACE WATERS WITHIN THIS PROJECT.

* DISCHARGE POINTS TO SURFACE WATERS: NONE.

1.F. RECEIVING WATERS:

SEE ITEM 1.D FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES. THERE ARE NO WETLAND AREAS IN THE PROJECT AREA.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTORS PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THE CONSTRUCTION PLANS. WHERE FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

PHASE I OF THE TEMPORARY TRAFFIC CONTROL PLANS.

CONSTRUCTION AND OUTFALL OF PONDS: BOTH PONDS (AND OUTFALLS) FOR THIS PROJECT WILL BE CONSTRUCTED AND MAINTAINED BEFORE OR DURING CONSTRUCTION OF THIS PROJECT BY OTHERS.

SR 46, STATION 94+00 TO STATION 149+00 LEFT: IMMEDIATELY AFTER CONSTRUCTING THE WESTBOUND LANES, STABILIZE ALL DISTURBED AREAS BETWEEN THE NEW ROADWAY AND THE RIGHT OF WAY LINE USING SOD.

ROUND LAKE ROAD, STATION 100+00.00 TO STATION 106+50.00: IMMEDIATELY AFTER CONSTRUCTING THE WIDENING AND NEW CONSTRUCTION, STABILIZE ALL DISTURBED AREAS BETWEEN THE ROADWAY AND THE RIGHT OF WAY LINE USING SOD.

ROUND LAKE ROAD, STATION 108+70.67 TO STATION 119+40.00 LEFT: IMMEDIATELY AFTER CONSTRUCTING THE TEMPORARY DIVERSION AND A PORTION OF ROUND LAKE ROAD, STABILIZE ALL DISTURBED AREAS BETWEEN THE TEMPORARY PAVEMENT AND THE RIGHT OF WAY LINE USING TEMPORARY SOD.

PHASE II OF THE TEMPORARY TRAFFIC CONTROL PLANS.

SR 46, STATION 94+00 TO STATION 149+00 LEFT: IMMEDIATELY AFTER CONSTRUCTING THE EASTBOUND LANES, STABILIZE ALL DISTURBED AREAS BETWEEN THE NEW ROADWAY AND THE RIGHT OF WAY LINE USING SOD.

ROUND LAKE ROAD, STATION 100+00.00 TO STATION 106+50.00: IMMEDIATELY AFTER MILLING AND RESURFACING, STABILIZE ALL DISTURBED AREAS BETWEEN THE ROADWAY AND THE RIGHT OF WAY LINE USING SOD.

ROUND LAKE ROAD, STATION 108+70.67 TO STATION 119+40.00 RIGHT: IMMEDIATELY AFTER ROADWAY RECONSTRUCTION, STABILIZE ALL DISTURBED AREAS BETWEEN THE ROADWAY AND THE RIGHT OF WAY LINE USING SOD.

2.A.1 STABILIZATION PRACTICES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES ON DISTURBED AREAS AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE SHALL MORE THAN 7 DAYS PASS AFTER THE CONSTRUCTION ACTIVITY IN THE PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING.

TEMPORARY:

* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

* ASPHALT OR CONCRETE SURFACE.

* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2 STRUCTURAL PRACTICES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING:

TEMPORARY (IN ACCORDANCE WITH SPECIFICATION SECTION 104):

* SEDIMENT BARRIER.

* INLET PROTECTION.

PERMANENT:

*STORMWATER PONDS.

*SOD.

2.B. STORMWATER MANAGEMENT:

STORMWATER RUNOFF GENERATED BY THE PROJECT WILL BE COLLECTED AND CONVEYED TO THE PONDS VIA SWALES TO CULVERTS AND CROSS DRAINS UNTIL THE PROPOSED STORM SEWER SYSTEM IS CONSTRUCTED. THE PROPOSED RUNOFF WILL BE COLLECTED AND CONVEYED TO THE PONDS VIA PROPOSED STORM SEWER SYSTEM.

2.C. OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES

* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS

2.C.2 OFF-SITE VEHICLE TRACKING AND DUST CONTROL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE ATLEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

*COVERING LOADED HAUL TRUCKS WITH TARPULINS.

*REMOVING EXCESS DIRT FROM ROADS DAILY.

*STABILIZING CONSTRUCTION ENTRANCES PER THE DEPARTMENT'S EROSION AND SEDIMENT CONTROL MANUAL.

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

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

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

2.C.4 FERTILIZERS AND PESTICIDES:

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

2.C.5 TOXIC SUBSTANCES:

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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-3-52-01	171

2.D APPROVED STATE AND LOCAL PLANS AND PERMITS:

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

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

*SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.

*SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURERS RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

*INLET PROTECTION: MAINTAIN PER SECTION 104.

*THE PONDS ARE TEMPORARY SEDIMENT BASINS UNTIL THE AREAS THAT DRAIN TO THEM ARE STABILIZED. SO UNTIL THEN, REMOVE SEDIMENT FROM THE POND WHEN IT BECOMES 1.5' DEEP AT ANY POINT.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDER DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THAT LATEST STORMWATER POLLUTION PREVENTION PLAN.

- * POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
- * POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.
- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- * STRUCTURAL CONTROLS.
- * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS IMMEDIATELY AFTER INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT THE FDOT DISTRICT 5 HAZARDOUS MATERIAL COORDINATOR AT (386) 943-5000.

PLEASE BE AWARE THAT ANY DEWATERING ACTIVITIES WILL REQUIRE THE GENERAL CONSTRUCTION DEWATERING PERMIT. IF DEWATERING OCCURS OR IS REQUIRED, THE CONTRACTOR SHALL OBTAIN THE FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY SITE ACTIVITY (DOCUMENT NO. 62-621.300(2)) AND ADHERE TO NECESSARY PERMITTING REQUIREMENTS.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		172
					46	LAKE	238275-3-52-01		

TEMPORARY TRAFFIC CONTROL PLAN GENERAL NOTES

1. THE FOLLOWING REGULATORY SPEED LIMITS ARE TO BE USED THROUGHOUT THE DURATION OF CONSTRUCTION UNLESS OTHERWISE NOTED IN THE PLANS.

STREET	SPEED LIMIT (MPH)
SR 46	45
ROUND LAKE ROAD	45
LOCAL ROADS	25

2. NO LANE CLOSURES PERMITTED AT THE FOLLOWING TIMES:

SR 46:
7:00 AM TO 10:00 AM AND 1:30 PM TO 7:30 PM WITHIN 600 FEET OF A SIGNALIZED INTERSECTION
NO RESTRICTION OUTSIDE THE LIMITS OF A SIGNALIZED INTERSECTION

ROUND LAKE ROAD:
NO RESTRICTIONS

LANE CLOSURE RESTRICTIONS ARE LIMITED TO 1/2 MILE IN LENGTH WHEN WITHIN 600 FEET OF A SIGNALIZED INTERSECTION AND ARE ONLY ALLOWED DURING ACTIVE WORK PERIODS. LANE CLOSURES ON SIDE STREETS SHALL CORRESPOND TO THE TIMES IDENTIFIED FOR THE STATE ROAD THEY CONNECT TO UNLESS OTHERWISE NOTED.

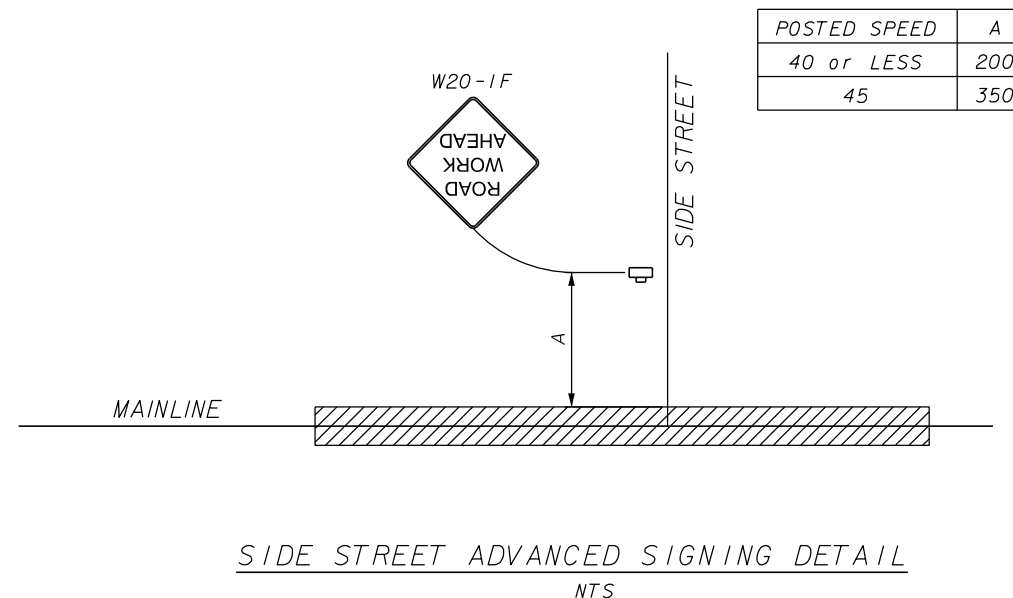
3. A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT ONE WEEK PRIOR TO IMPLEMENTING ANY LANE CLOSURES. THE PCMS SHALL BE PLACED IN A LOCATION APPROVED BY THE ENGINEER. THE DISPLAYS ARE AS FOLLOWS:

DISPLAY 1 - EXPECT LANE CLOSURES
DISPLAY 2 - MM/DD TO MM/DD

4. THE CONTRACTOR SHALL UTILIZE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) DURING ALL LANE CLOSURES. THE PCMS SHALL BE PLACED APPROXIMATELY 1/2 MILE IN ADVANCE OF THE FIRST WORK ZONE SIGN IN EACH DIRECTION ON SR 46 AND ROUND LAKE ROAD AND A 1/2 MILE IN ADVANCE OF WEKIVA 2C LOOP RAMP IN A LOCATION APPROVED BY THE ENGINEER. THE DISPLAYS ARE AS FOLLOWS:



SR 46 & ROUND LAKE ROAD:	WEKIVA 2C LOOP RAMP:
DISPLAY 1 - ONE LANE ROAD	DISPLAY 1 - RIGHT LANE CLOSED
DISPLAY 2 - PREPARE TO STOP	DISPLAY 2 - MERGE LEFT

- THE CONTRACTOR MAY COMBINE WORK FROM INDIVIDUAL PHASES WITH THE ENGINEER'S APPROVAL.
- TEMPORARY SIGNALS SHALL BE PLACED PRIOR TO ALL PHASES OF TEMPORARY TRAFFIC AND REMOVED ONCE PERMANENT SIGNALS HAVE BEEN INSTALLED.
- FLOWLINE ELEVATIONS FOR THE TEMPORARY PIPES SHALL COINCIDE WITH THE FLOWLINE ELEVATIONS OF THE TEMPORARY DITCHES.
- ALL TEMPORARY DITCH BOTTOM INLETS SHALL TIE TO THE PROPOSED PIPES.
- PROPOSED PIPES THAT ARE PARTIALLY CONSTRUCTED DURING EACH PHASE SHALL BE PROPERLY PLUGGED.
- PROJECT INFORMATION SIGN TO BE PLACED ON EAST SIDE OF THE PROJECT, WEST SIDE TO BE COVERED BY FPID# 238275-2-52-01.



SIDESTREETS INCLUDE:

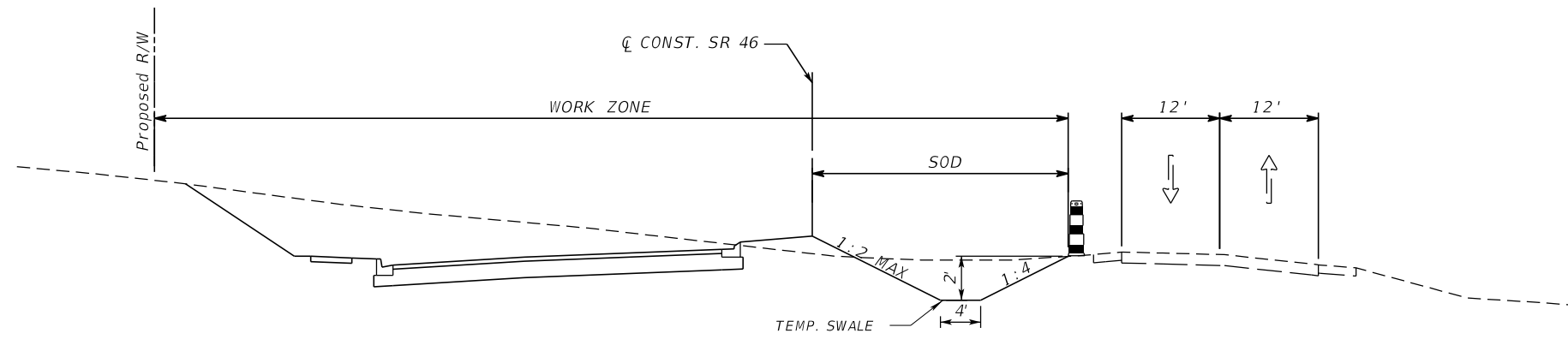
- NORTON LN
- BUTTERCUP LN
- SUNEAGLE DR
- TOP OF THE HILL DR

 Work Zone Sign
 Work Area

SR 46 IMPROVEMENTS BY FDOT AND CONTRACTOR
COMPLETION: SEASON YEAR
QUESTIONS OR COMMENTS (XXX) XXX-XXXX

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMP. TRAFFIC CONTROL GENERAL NOTES	SHEET NO. 173
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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



PHASE 1 - SR 46

SR 46 PHASE 1

THE INTENT OF THIS PHASE IS TO BUILD THE NEW WESTBOUND ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING 2-LANE ROADWAY.

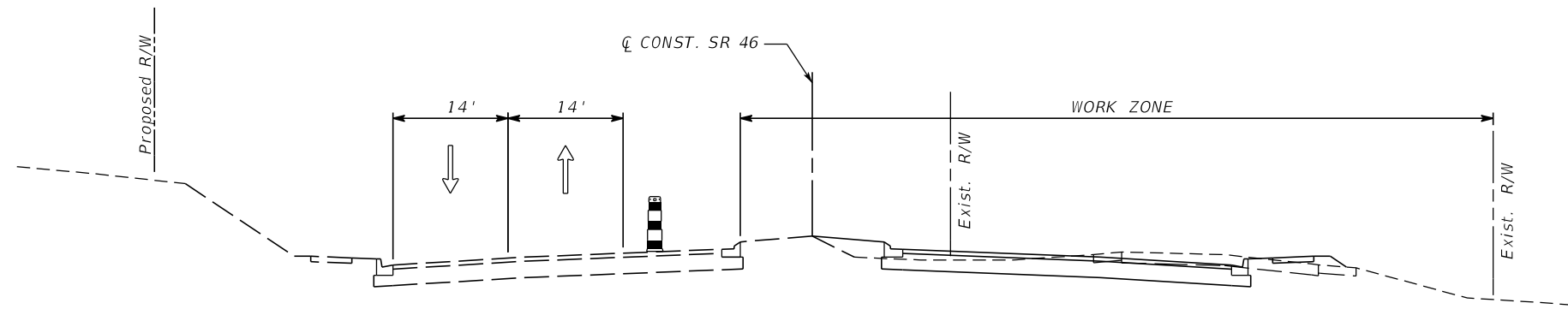
1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT PORTIONS OF THE WESTBOUND LANES AS INDICATED IN THE TTC PLAN.
3. PLACE ASPHALT UP TO AND INCLUDING THE FINAL LIFT OF STRUCTURAL ASPHALT.

SR 46 PHASE 1A

TRAFFIC WILL REMAIN ON EXISTING TWO LANE ROADWAY ON SR 46 IN THIS PHASE, WHILE COORDINATING WITH ROUND LAKE ROAD PHASE 1A CONFIGURATION SHOWN IN TYPICAL SECTIONS.

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC TYPICAL SECTIONS SR 46	SHEET NO. 174
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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



PHASE 2 - SR 46

SR 46 PHASE 2

THE INTENT OF THIS PHASE IS TO CONSTRUCT THE NEW EASTBOUND ROADWAY WHILE MAINTAINING TRAFFIC ON THE NEWLY CONSTRUCTED WESTBOUND ROADWAY.

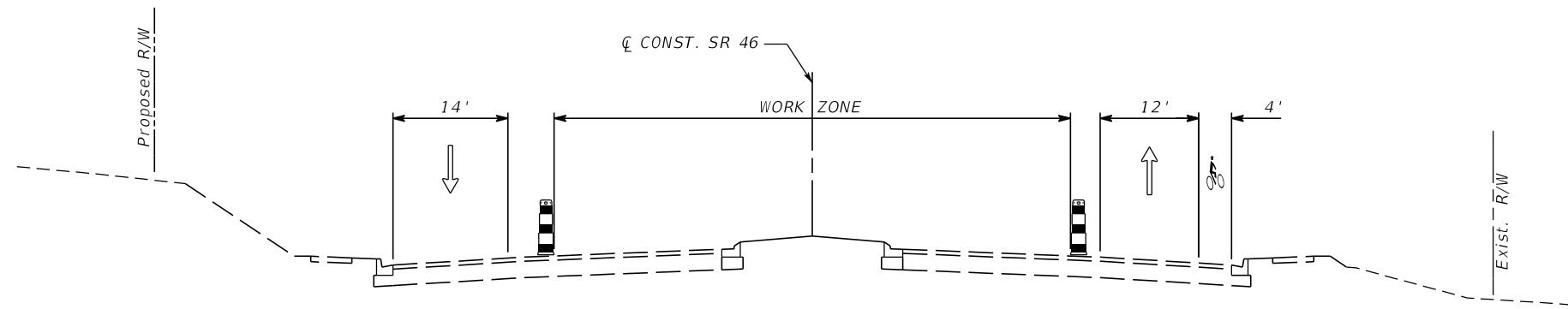
1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT PORTIONS OF THE EASTBOUND LANES AS INDICATED IN THE TTC PLAN.
3. PLACE ASPHALT UP TO AND INCLUDING THE FINAL LIFT OF STRUCTURAL ASPHALT.

SR 46 PHASE 2A

TRAFFIC WILL REMAIN ON NEWLY CONSTRUCTED WESTBOUND ROADWAY ON SR 46 IN THIS PHASE, WHILE COORDINATING WITH ROUND LAKE ROAD PHASE 2A CONFIGURATION SHOWN IN TYPICAL SECTIONS.

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC TYPICAL SECTIONS SR 46	SHEET NO. 175
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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



PHASE 3 - SR 46

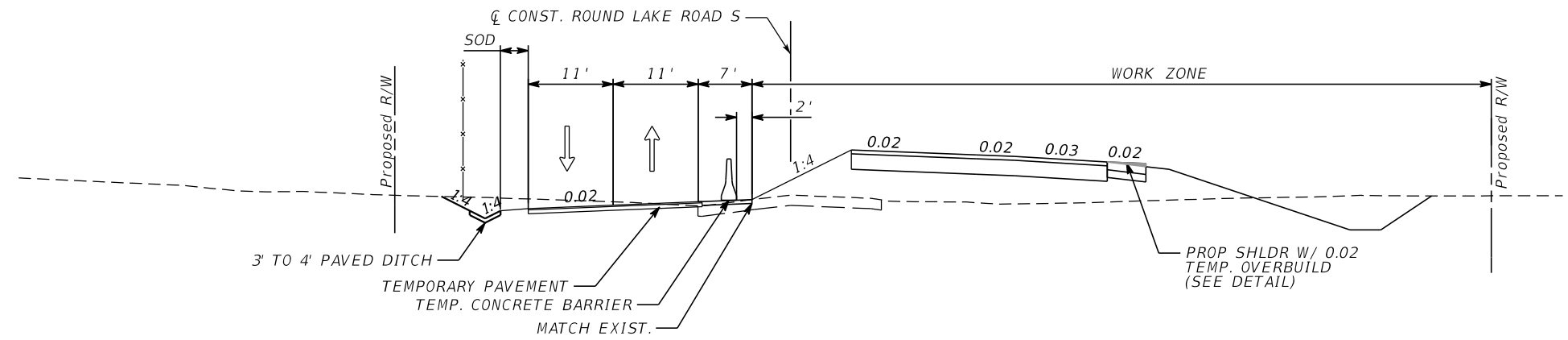
SR 46 PHASE 3

THE INTENT OF THIS PHASE IS TO CONSTRUCT THE REMAINDER OF THE MEDIAN NOT CONSTRUCTED IN THE PREVIOUS PHASES AND PLACE THE FRICTION COURSE FOR ALL LANES.

1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT THE REMAINDER OF THE MEDIAN AND CURB AND GUTTER.
3. AFTER COMPLETION OF ALL OTHER CONSTRUCTION ACTIVITIES, PLACE THE FRICTION COURSE AND FINAL STRIPING FOR ALL TRAVEL LANES.

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC TYPICAL SECTIONS SR 46	SHEET NO. 176
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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

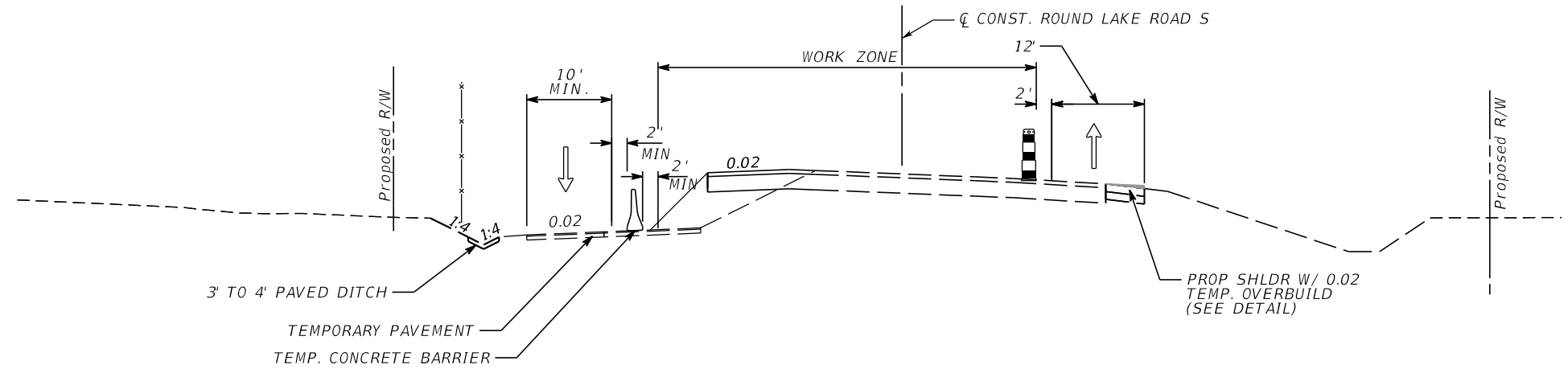
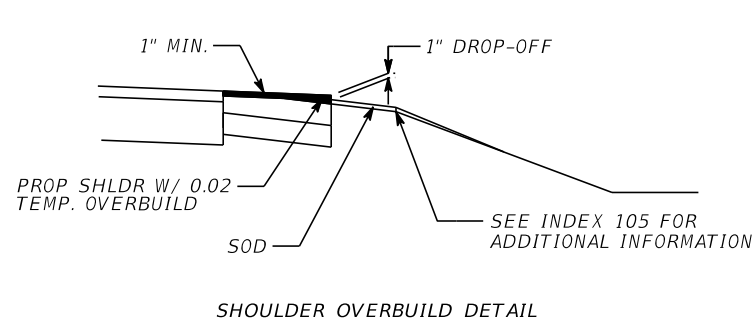


ROUND LAKE ROAD SOUTH PHASE 1

THE INTENT OF THIS PHASE IS TO BUILD PORTIONS OF THE NORTHBOUND ROADWAY. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT THE TEMPORARY PAVEMENT AND STRIPING PER THE TTC PLANS. SHIFT TRAFFIC INTO THE TEMPORARY CONFIGURATION.
3. UTILIZING LANE CLOSURES, PLACE THE TEMPORARY CONCRETE BARRIER.
4. CONSTRUCT ALL PROPOSED FEATURES WITHIN THE WORK ZONE.

PHASE 1 - ROUND LAKE ROAD SOUTH



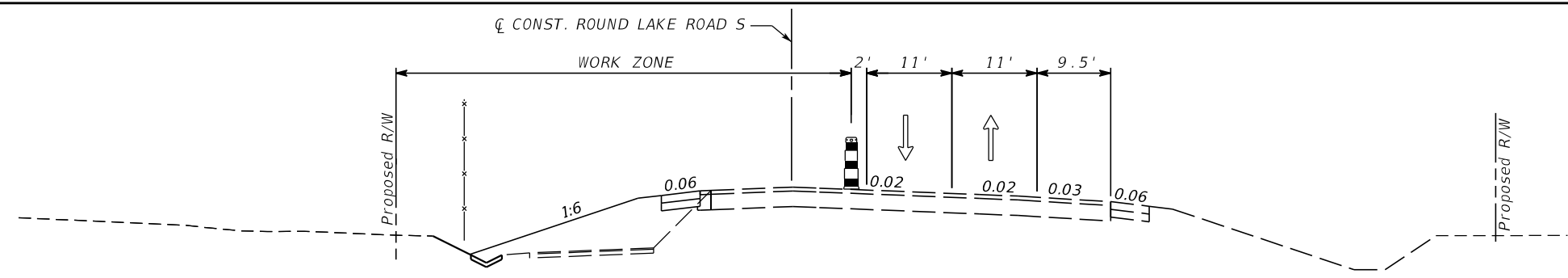
ROUND LAKE ROAD SOUTH PHASE 1A

THE INTENT OF THIS PHASE IS TO BUILD PORTIONS OF THE PROPOSED NORTHBOUND ROADWAY IN CONJUNCTION WITH PHASE 1 IN ORDER TO CONSTRUCT MORE PAVEMENT IN THE INTERSECTION. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT ALL PROPOSED FEATURES WITHIN THE WORK ZONE AND PLACE PAVEMENT UP TO AND INCLUDING THE FINAL LIFT OF STRUCTURAL ASPHALT.

PHASE 1A - ROUND LAKE ROAD SOUTH

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC TYPICAL SECTIONS ROUND LAKE ROAD SOUTH	SHEET NO. 177
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

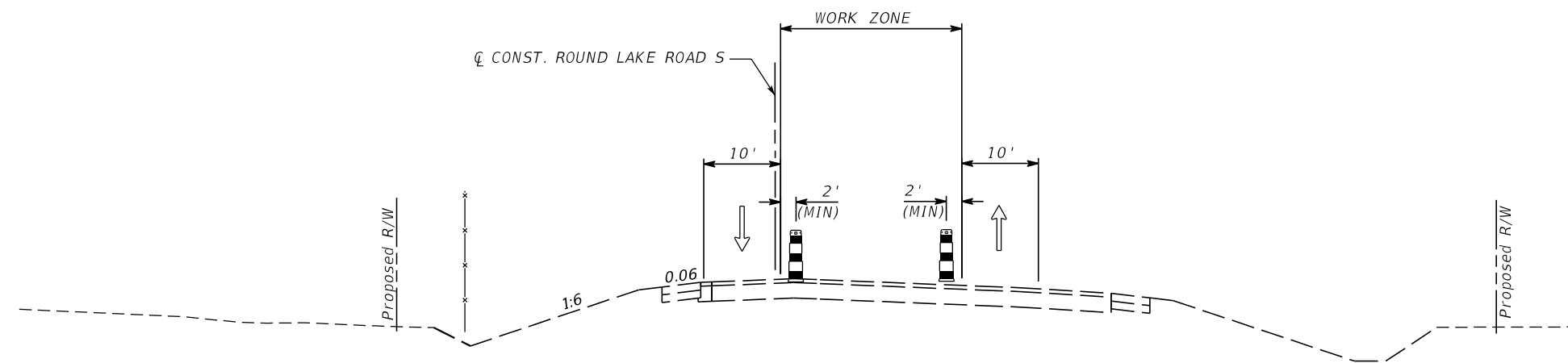


ROUND LAKE ROAD SOUTH PHASE 2

THE INTENT OF THIS PHASE IS TO CONSTRUCT THE REMAINDER OF THE WORK ALONG ROUND LAKE ROAD. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT THE PROPOSED FEATURES WITHIN THE WORK ZONE.

PHASE 2 - ROUND LAKE ROAD SOUTH



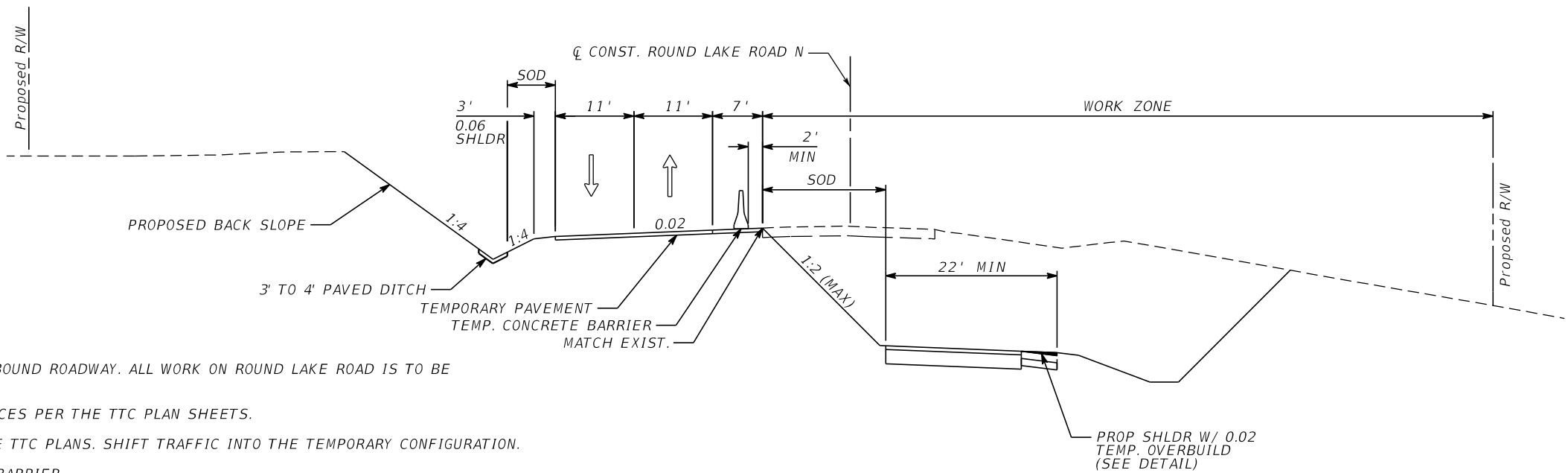
ROUND LAKE ROAD SOUTH PHASE 2A

THE INTENT OF THIS PHASE IS TO CONSTRUCT MORE PROPOSED PAVEMENT THROUGH THE INTERSECTION OF ROUND LAKE ROAD AND SR 46. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT ALL PROPOSED FEATURES IN THE WORK ZONE AND PLACE THE PAVEMENT UP TO AND INCLUDING THE FINAL LIFT OF STRUCTURAL ASPHALT.
3. ONCE ALL WORK WITHIN THE PROJECT LIMITS IS COMPLETE, PLACE THE FRICTION COURSE AND FINAL STRIPING PER THE PLANS.

PHASE 2A - ROUND LAKE ROAD SOUTH

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC TYPICAL SECTIONS ROUND LAKE ROAD SOUTH	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		178
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

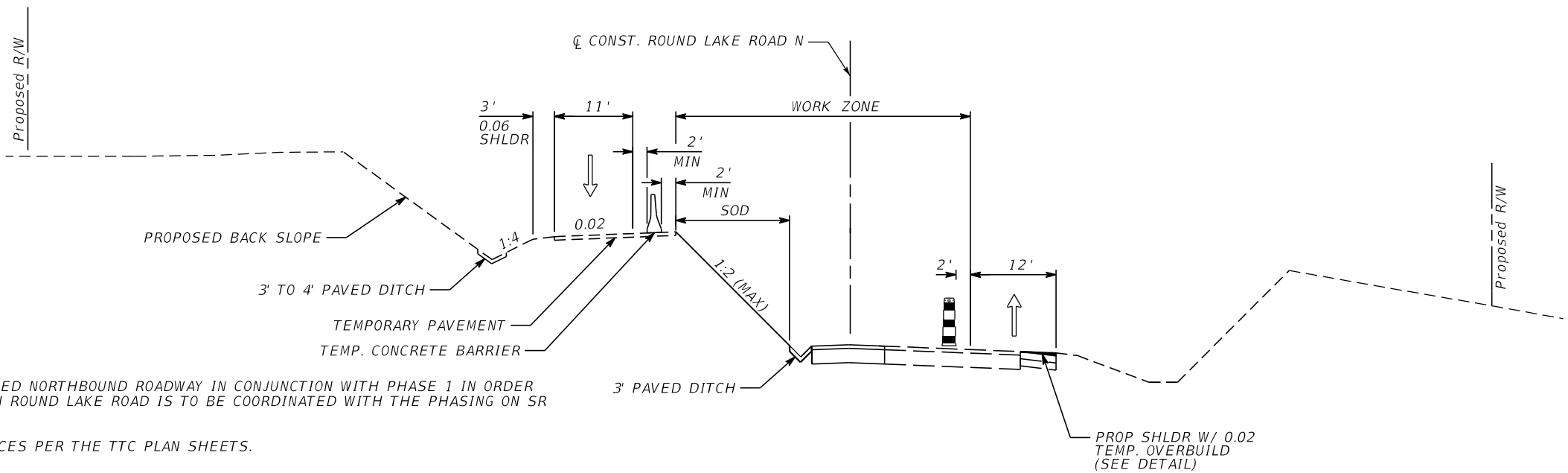
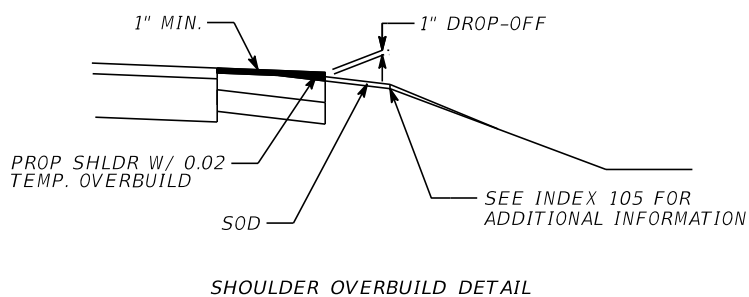


ROUND LAKE ROAD NORTH PHASE 1

THE INTENT OF THIS PHASE IS TO BUILD PORTIONS OF THE NORTHBOUND ROADWAY. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT THE TEMPORARY PAVEMENT AND STRIPING PER THE TTC PLANS. SHIFT TRAFFIC INTO THE TEMPORARY CONFIGURATION.
3. UTILIZING LANE CLOSURES, PLACE THE TEMPORARY CONCRETE BARRIER.
4. CONSTRUCT ALL PROPOSED FEATURES WITHIN THE WORK ZONE.

PHASE 1 - ROUND LAKE ROAD NORTH



ROUND LAKE ROAD NORTH PHASE 1A

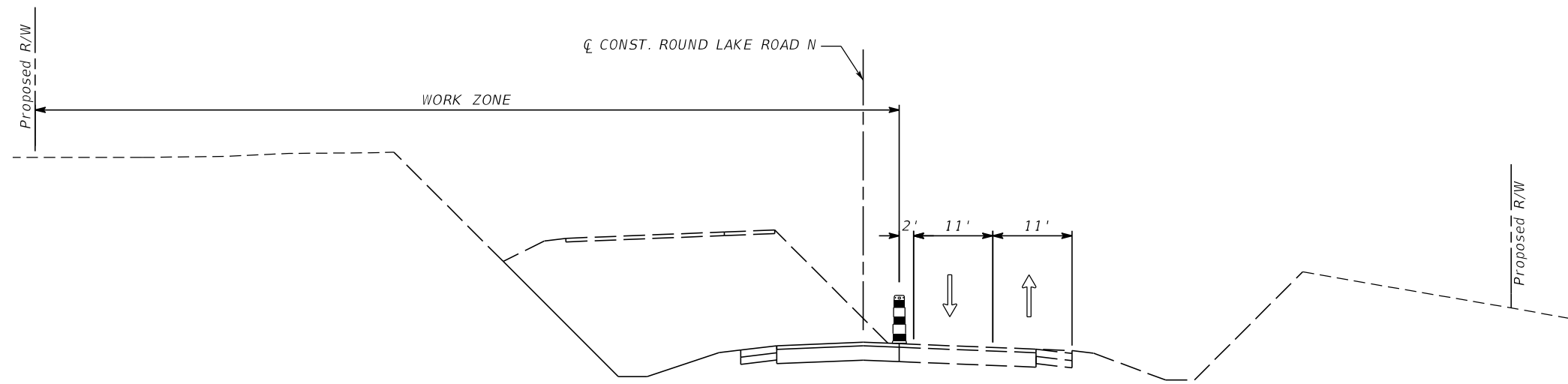
THE INTENT OF THIS PHASE IS TO BUILD PORTIONS OF THE PROPOSED NORTHBOUND ROADWAY IN CONJUNCTION WITH PHASE 1 IN ORDER TO CONSTRUCT MORE PAVEMENT IN THE INTERSECTION. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. REMOVE TEMPORARY OVERBUILD.
3. CONSTRUCT ALL PROPOSED FEATURES WITHIN THE WORK ZONE AND PLACE PAVEMENT UP TO AND INCLUDING THE FINAL LIFT OF STRUCTURAL ASPHALT.

PHASE 1A - ROUND LAKE ROAD NORTH

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC TYPICAL SECTIONS ROUND LAKE ROAD NORTH	SHEET NO. 179
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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

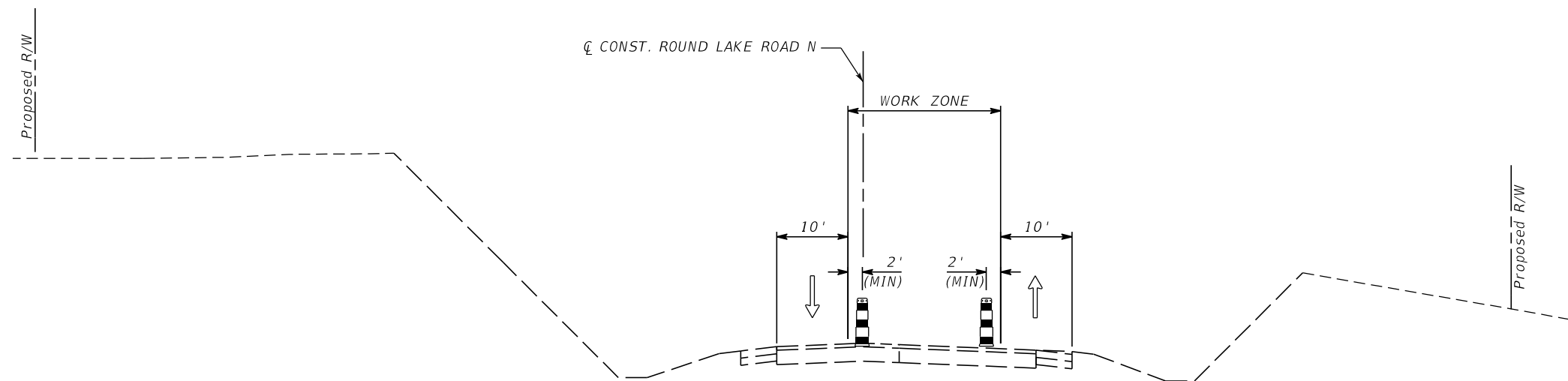


ROUND LAKE ROAD NORTH PHASE 2

THE INTENT OF THIS PHASE IS TO CONSTRUCT THE REMAINDER OF THE WORK ALONG ROUND LAKE ROAD. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT THE PROPOSED FEATURES WITHIN THE WORK ZONE.

PHASE 2 - ROUND LAKE ROAD NORTH



ROUND LAKE ROAD NORTH PHASE 2A

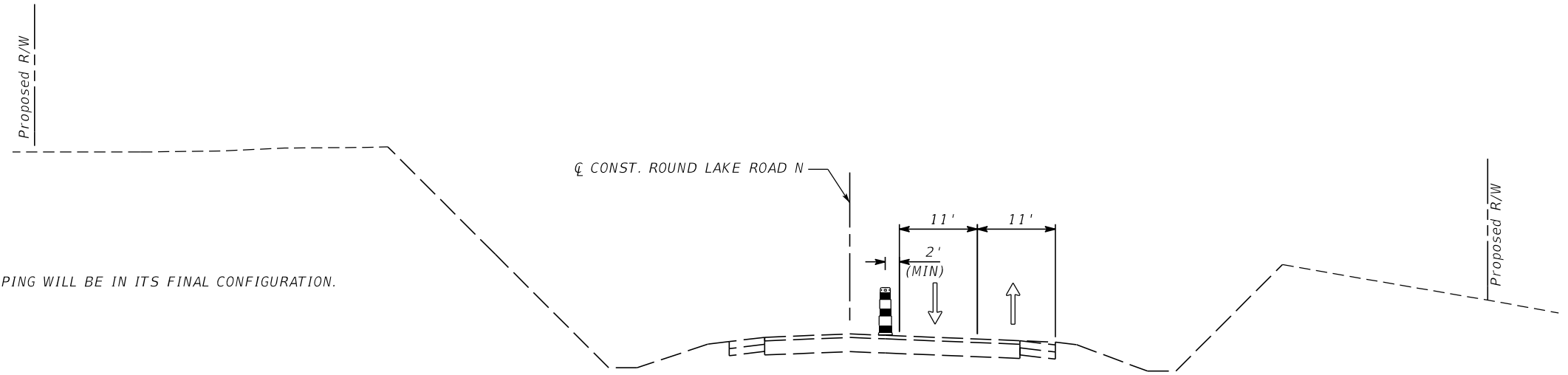
THE INTENT OF THIS PHASE IS TO CONSTRUCT MORE PROPOSED PAVEMENT THROUGH THE INTERSECTION OF ROUND LAKE ROAD AND SR 46. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT ALL PROPOSED FEATURES IN THE WORK ZONE AND PLACE THE PAVEMENT UP TO AND INCLUDING THE FINAL LIFT OF STRUCTURAL ASPHALT.
3. ONCE ALL WORK WITHIN THE PROJECT LIMITS IS COMPLETE, PLACE THE FRICTION COURSE AND FINAL STRIPING PER THE PLANS.

PHASE 2A - ROUND LAKE ROAD NORTH

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD., STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC TYPICAL SECTIONS ROUND LAKE ROAD NORTH	SHEET NO. 180
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

NOTE:
ALL WORK IS COMPLETE ON ROUND LAKE ROAD IN PHASE 3 AND STRIPING WILL BE IN ITS FINAL CONFIGURATION.



ROUND LAKE ROAD PHASE 3A

THE INTENT OF THIS PHASE IS TO CONSTRUCT PARTS OF THE INTERSECTION OF ROUND LAKE ROAD AND SR 46. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

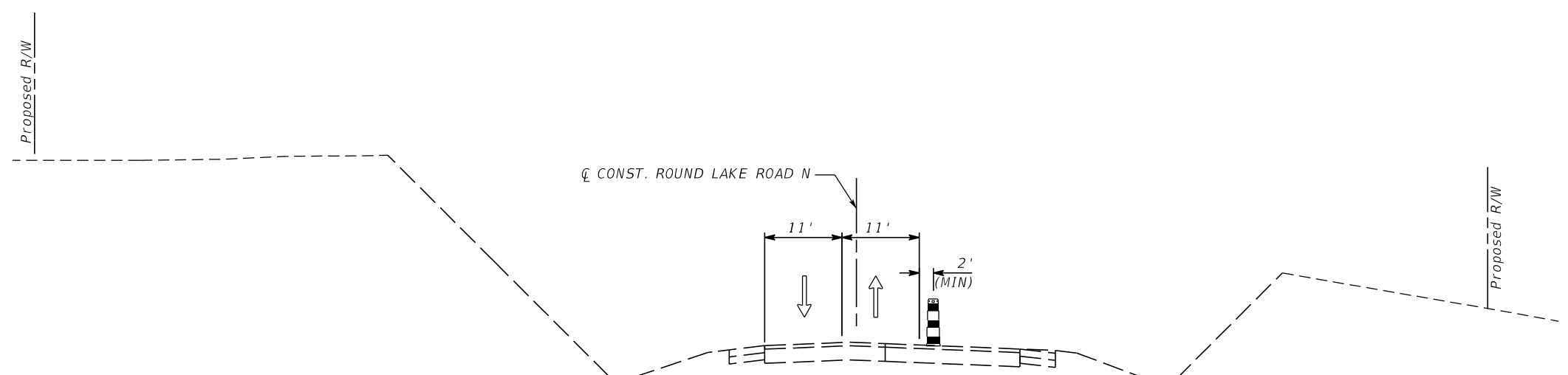
1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT THE PROPOSED FEATURES WITHIN THE WORK ZONE.

PHASE 3A - ROUND LAKE ROAD

ROUND LAKE ROAD PHASE 3B

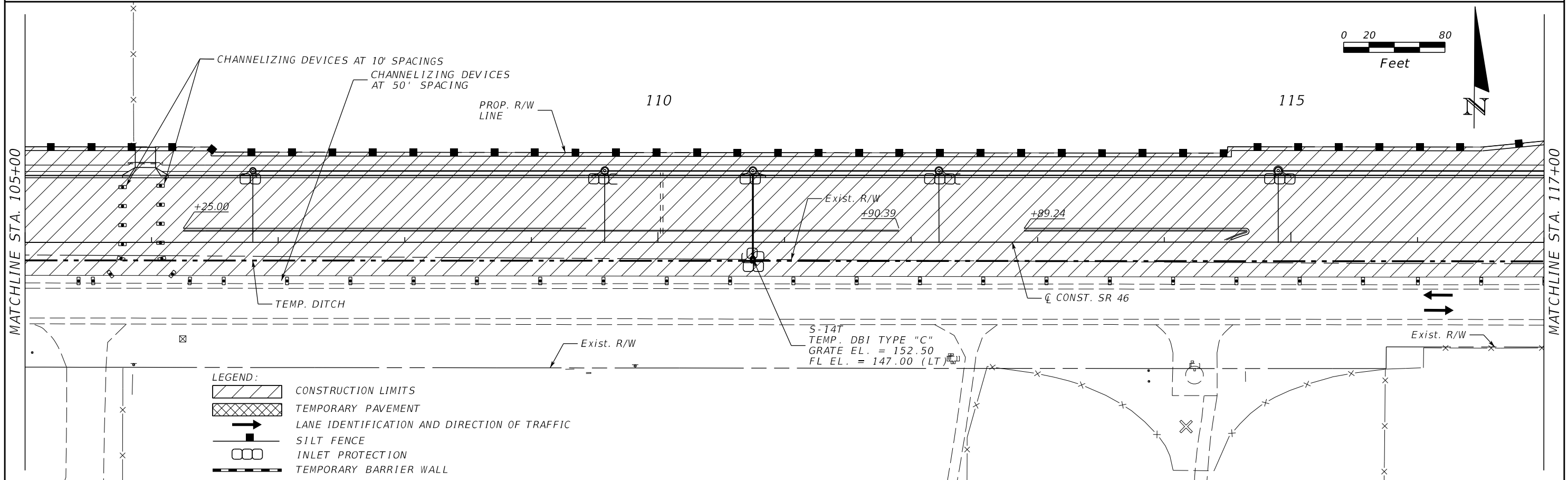
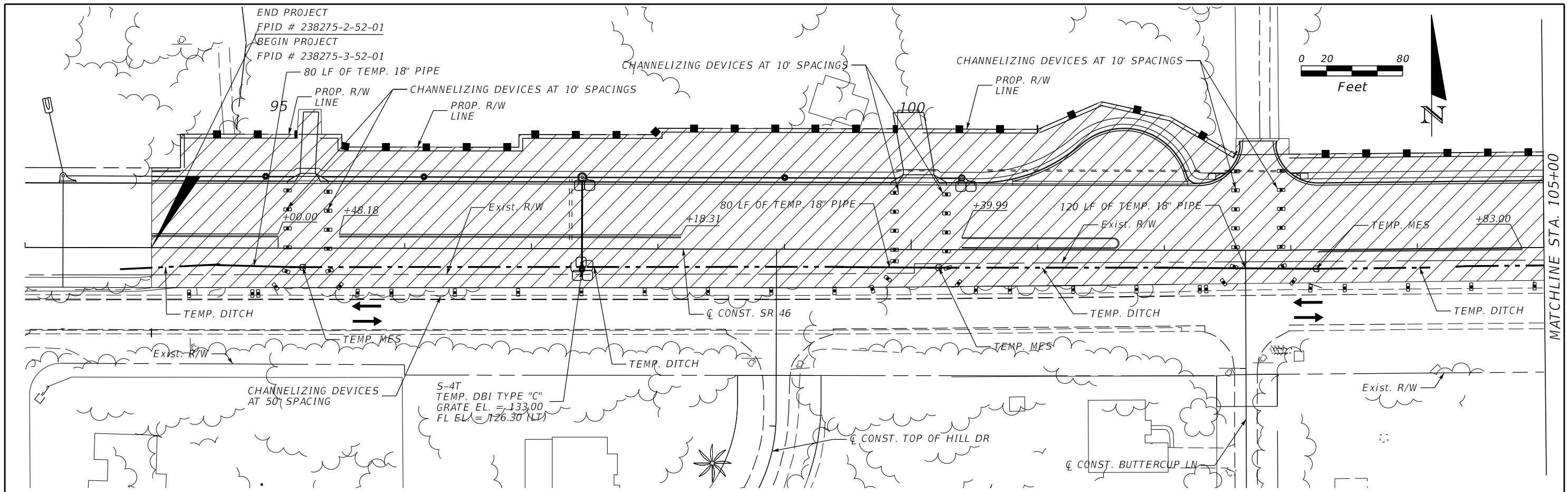
THE INTENT OF THIS PHASE IS TO CONSTRUCT THE REST OF THE INTERSECTION OF ROUND LAKE ROAD AND SR 46. ALL WORK ON ROUND LAKE ROAD IS TO BE COORDINATED WITH THE PHASING ON SR 46.

1. SET UP ADVANCED SIGNING AND PLACE TRAFFIC CONTROL DEVICES PER THE TTC PLAN SHEETS.
2. CONSTRUCT THE PROPOSED FEATURES WITHIN THE WORK ZONE.
3. AFTER COMPLETION OF ALL PHASE SHIFTS ON ROUND LAKE ROAD, MILL AND RESURFACE THE NORTHBOUND SHOULDER TO REMOVE TEMPORARY OVERBUILD.



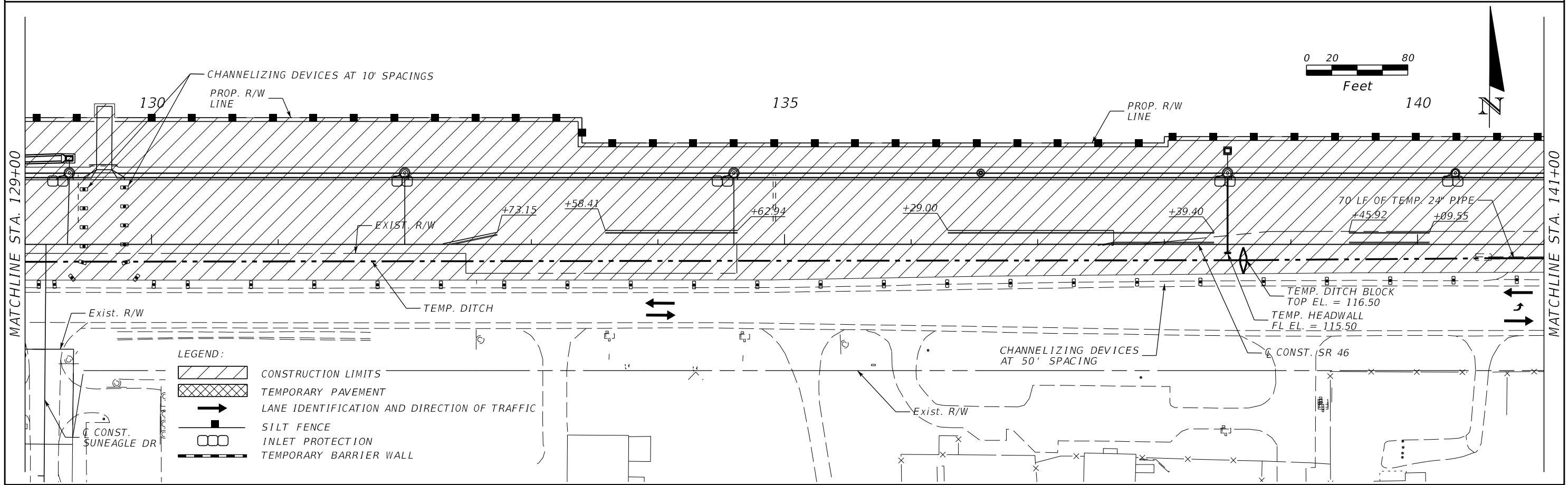
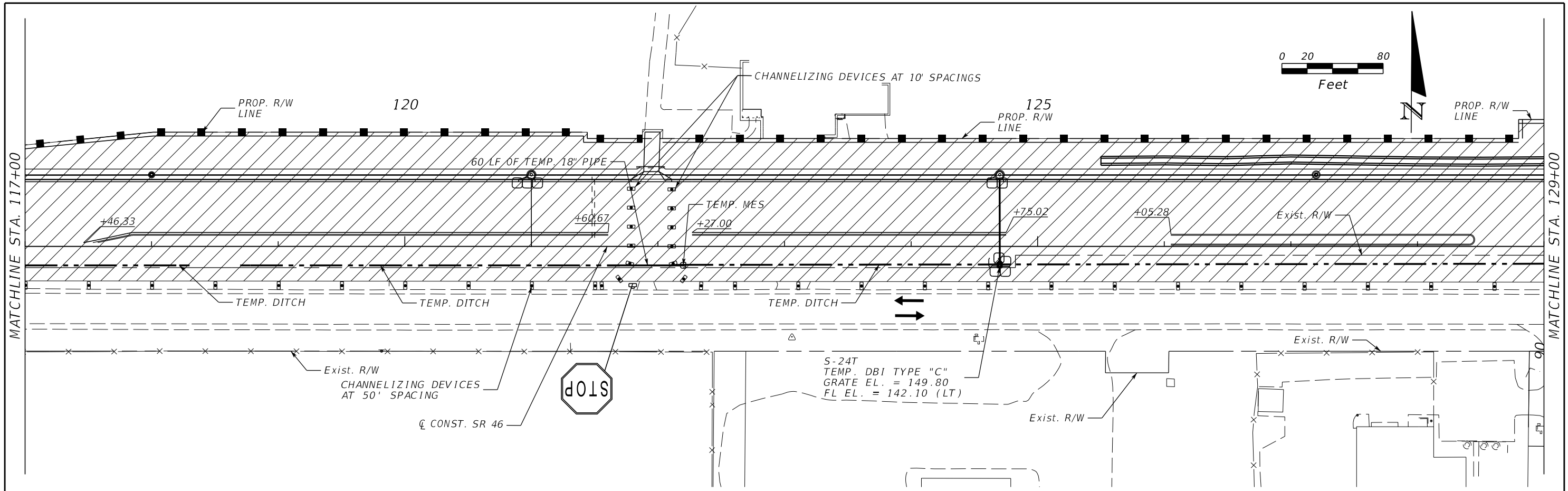
PHASE 3B - ROUND LAKE ROAD

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC TYPICAL SECTIONS ROUND LAKE ROAD	SHEET NO. 181
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		



REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD., STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 1 - SR 46	SHEET NO. 182
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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LEGEND:

	CONSTRUCTION LIMITS
	TEMPORARY PAVEMENT
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	SILT FENCE
	INLET PROTECTION
	TEMPORARY BARRIER WALL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

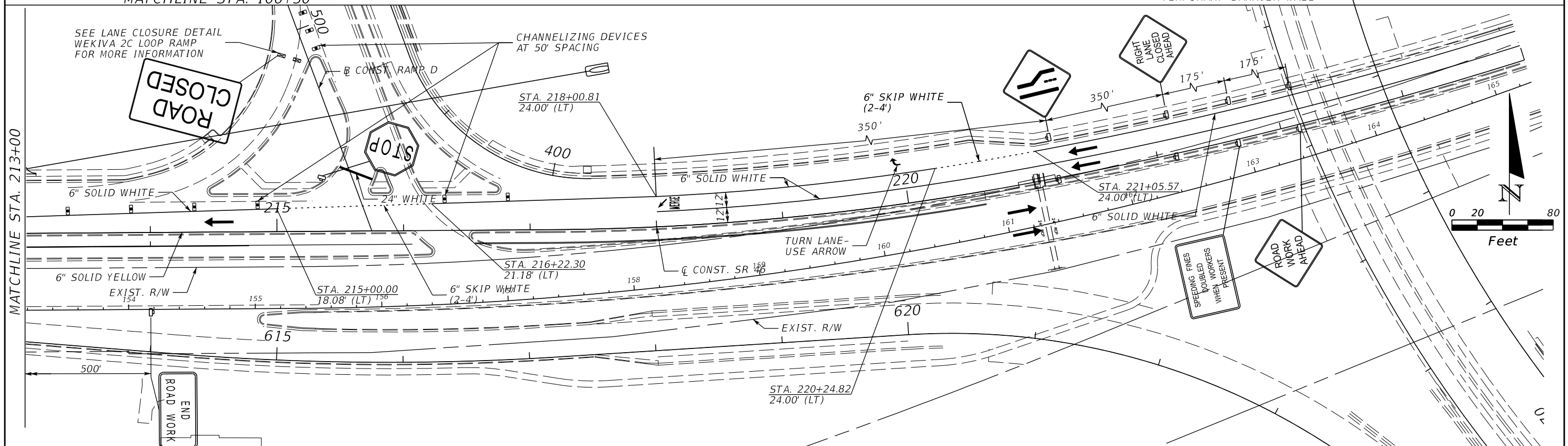
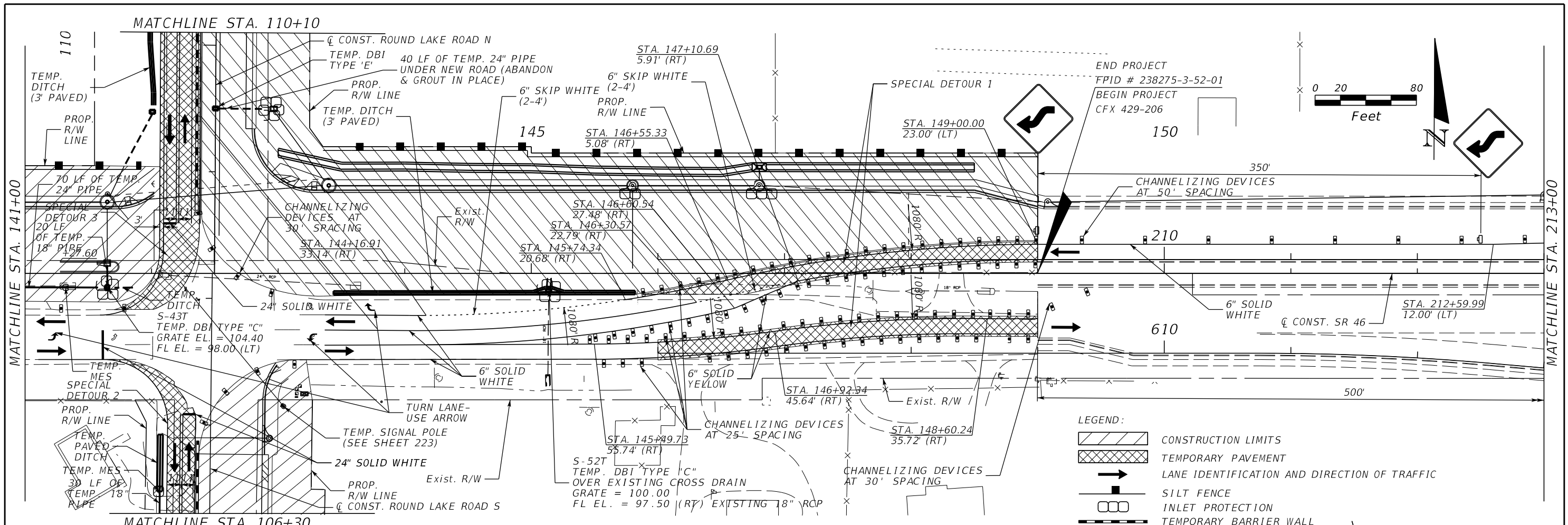
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC PLANS
PHASE 1 - SR 46

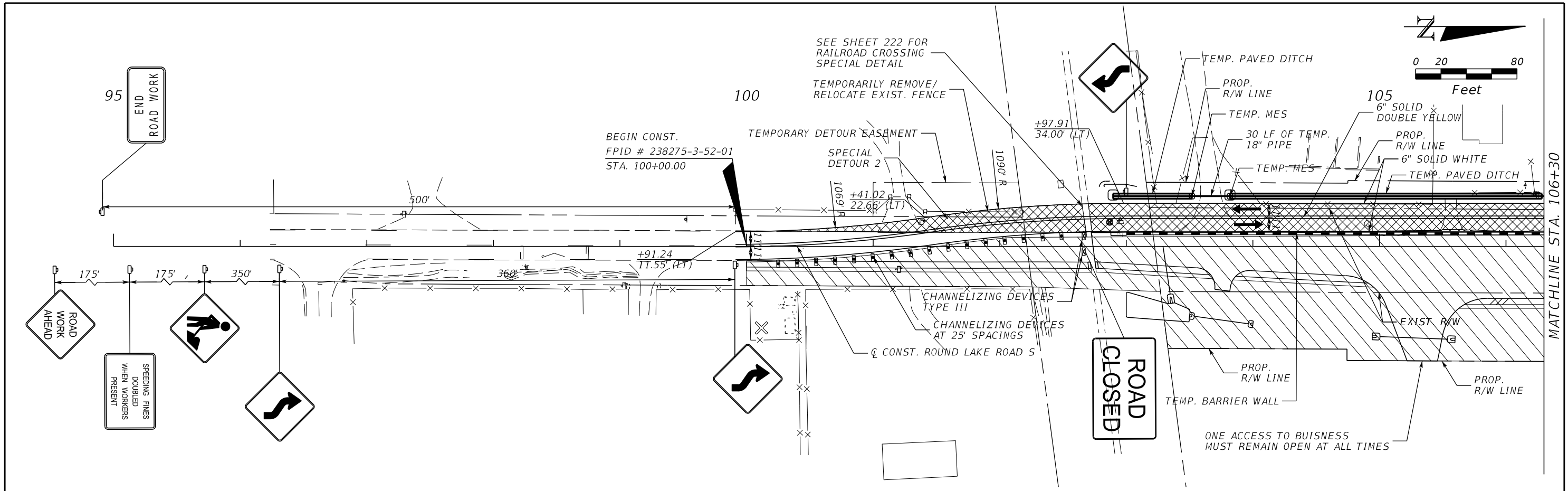
SHEET NO.
 183

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



REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 1 - SR 46	SHEET NO. 184
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

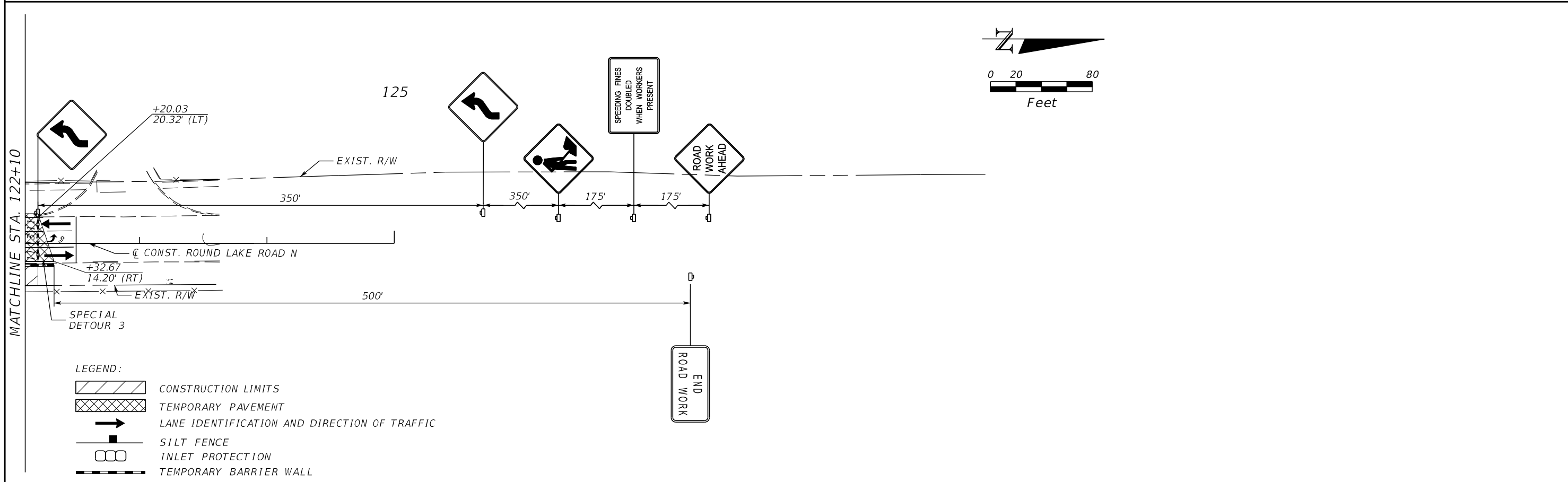
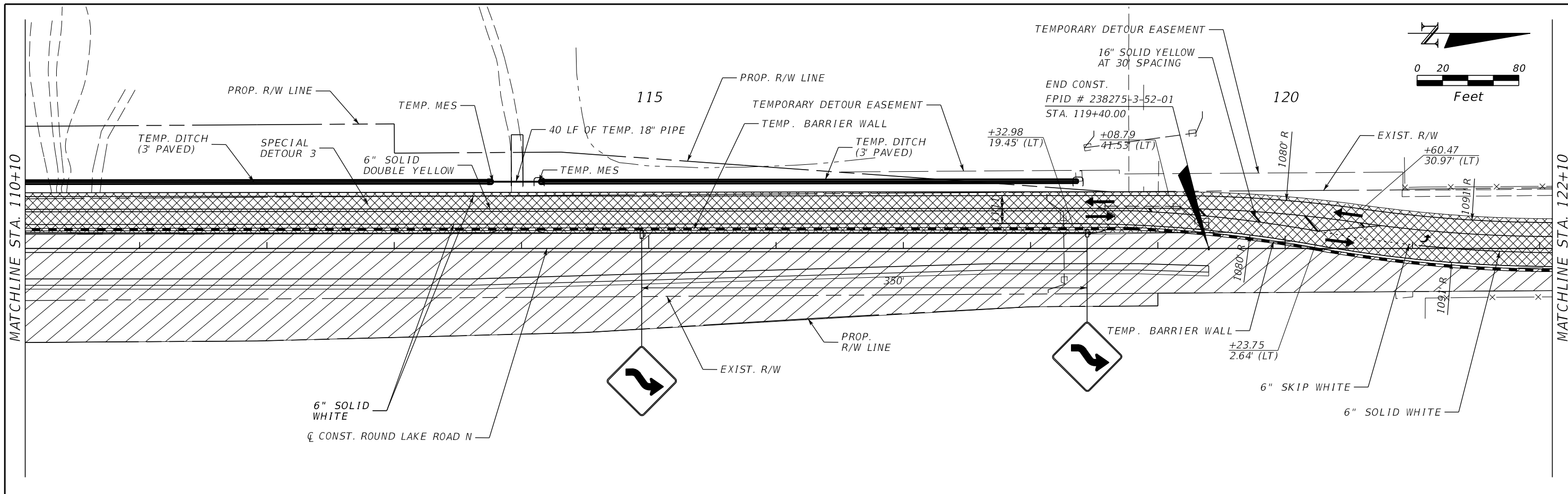
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



- LEGEND:
- CONSTRUCTION LIMITS
 - TEMPORARY PAVEMENT
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
 - SILT FENCE
 - INLET PROTECTION
 - TEMPORARY BARRIER WALL

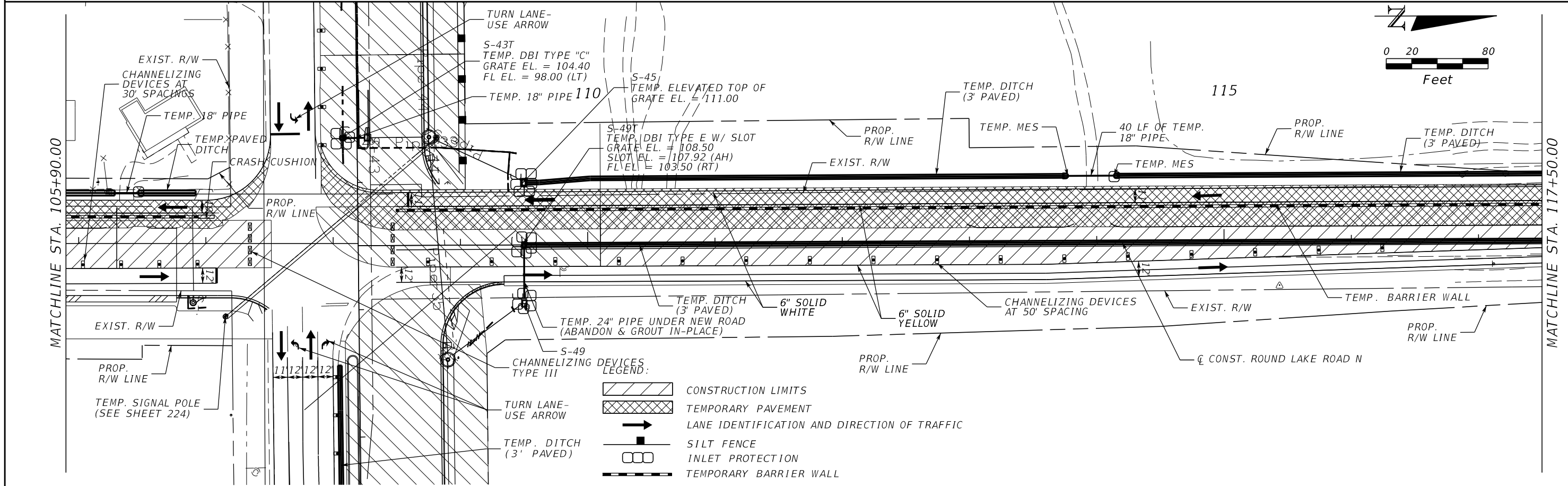
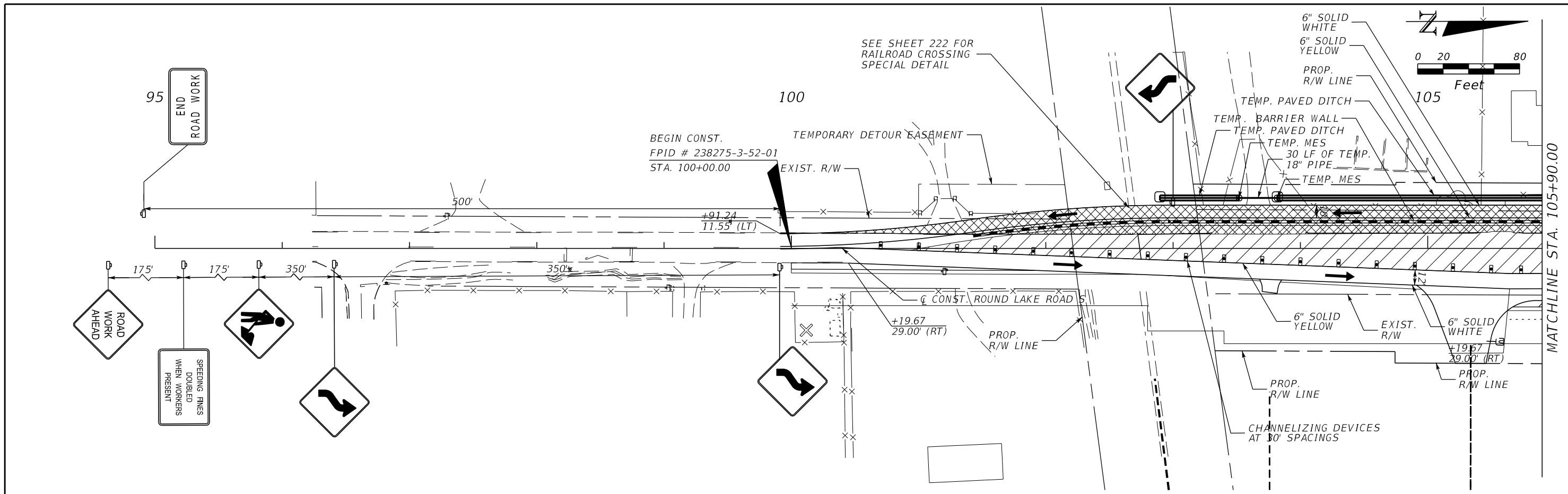
REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 1 - ROUND LAKE RD	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		185
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 1 - ROUND LAKE RD	SHEET NO. 186
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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LEGEND:

	CONSTRUCTION LIMITS
	TEMPORARY PAVEMENT
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	SILT FENCE
	INLET PROTECTION
	TEMPORARY BARRIER WALL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

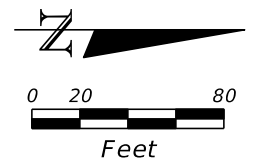
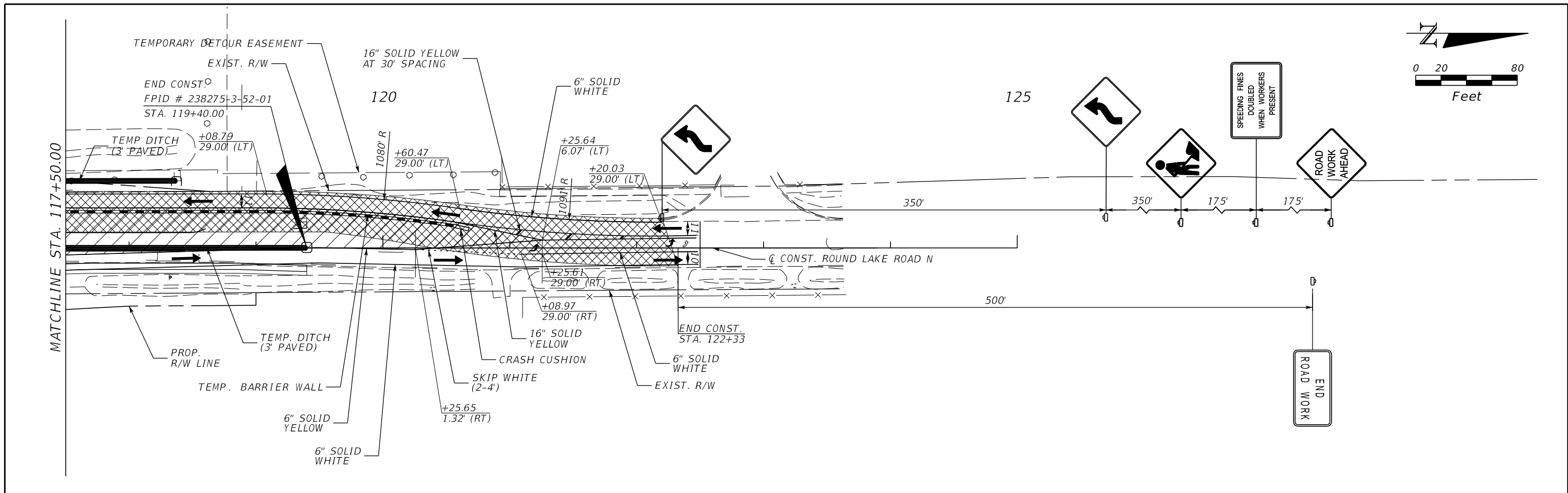
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC PLANS
 PHASE 1A - ROUND LAKE RD

SHEET NO.
 187

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

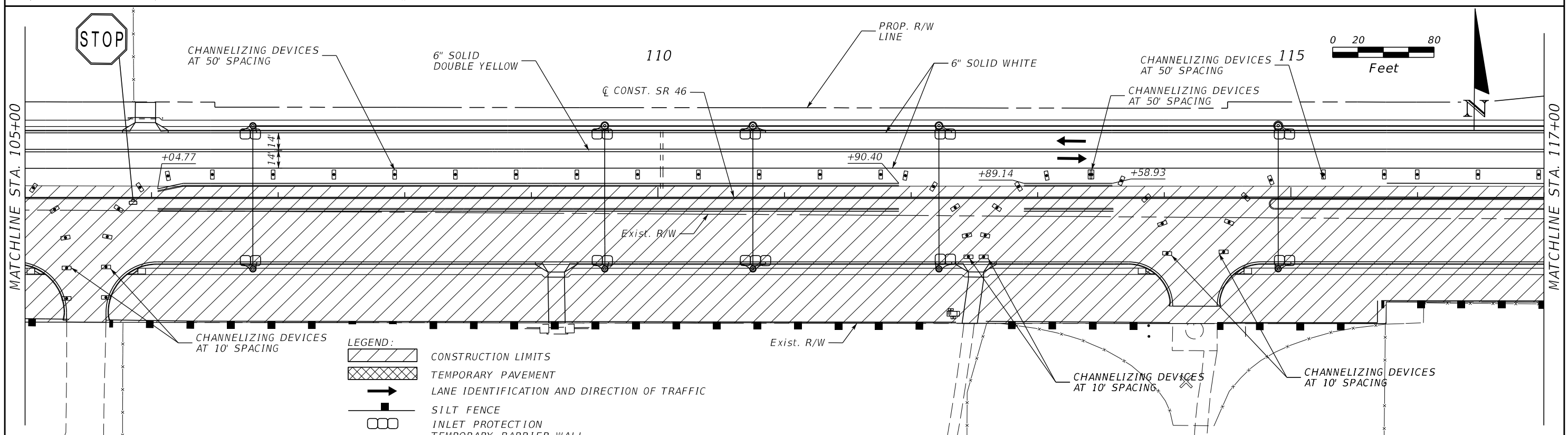
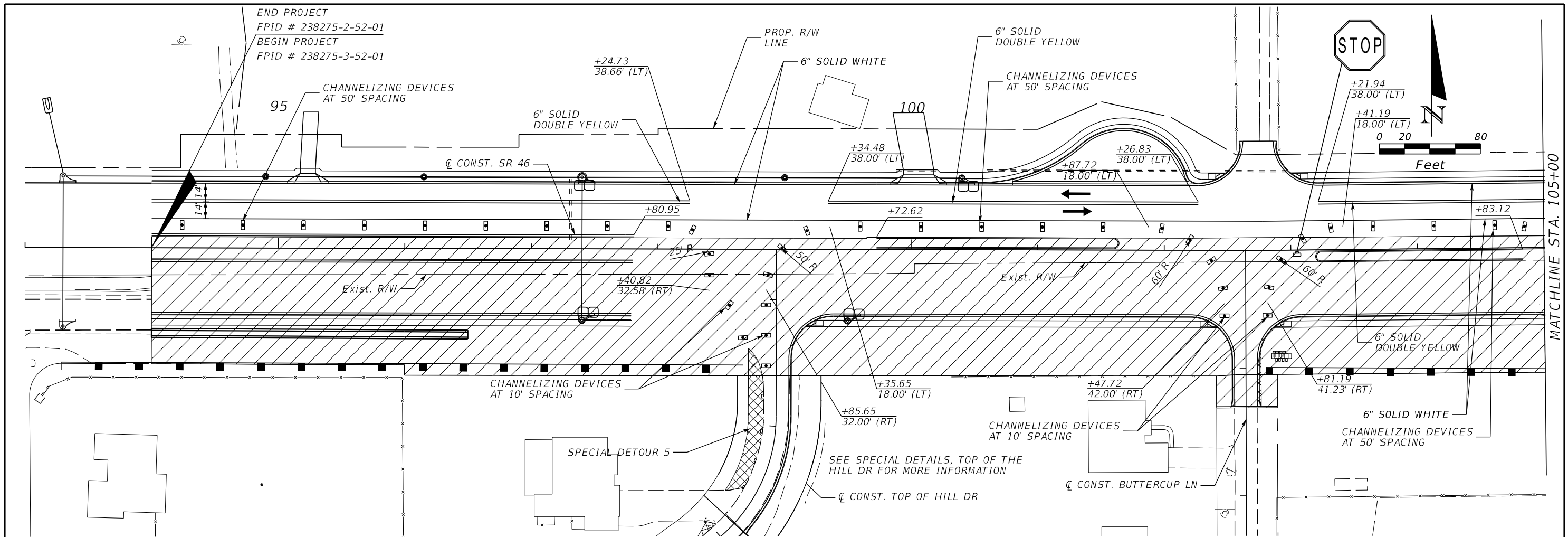


LEGEND:

- CONSTRUCTION LIMITS
- TEMPORARY PAVEMENT
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- SILT FENCE
- INLET PROTECTION
- TEMPORARY BARRIER WALL

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 1A - ROUND LAKE RD	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		188
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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LEGEND:

	CONSTRUCTION LIMITS
	TEMPORARY PAVEMENT
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	SILT FENCE
	INLET PROTECTION
	TEMPORARY BARRIER WALL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

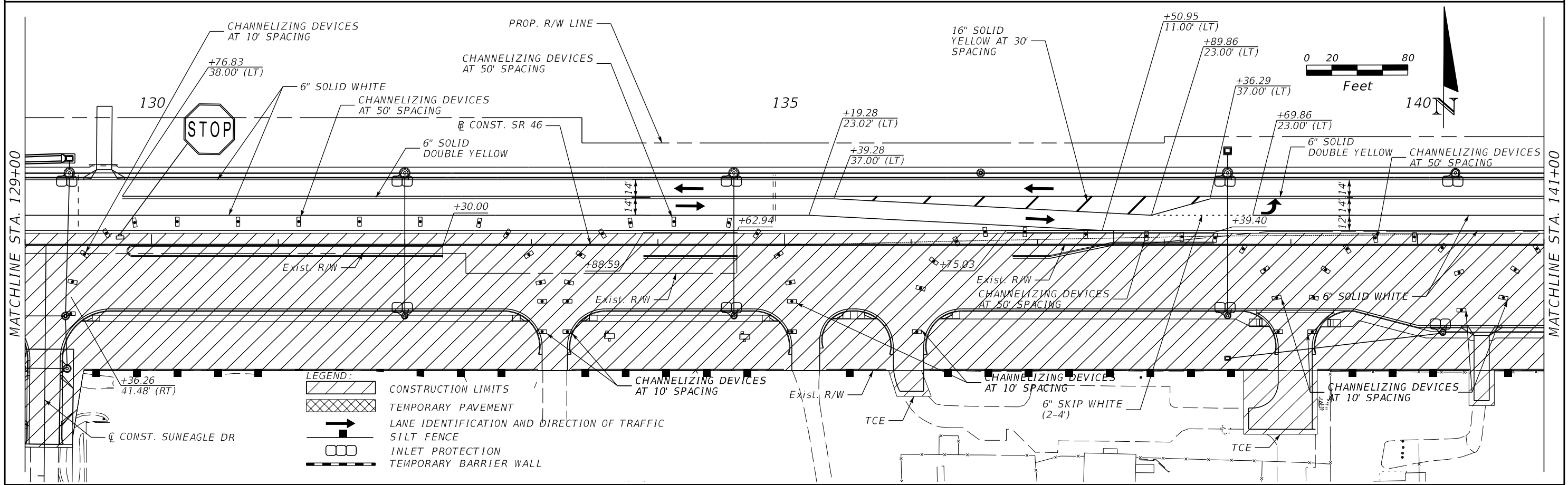
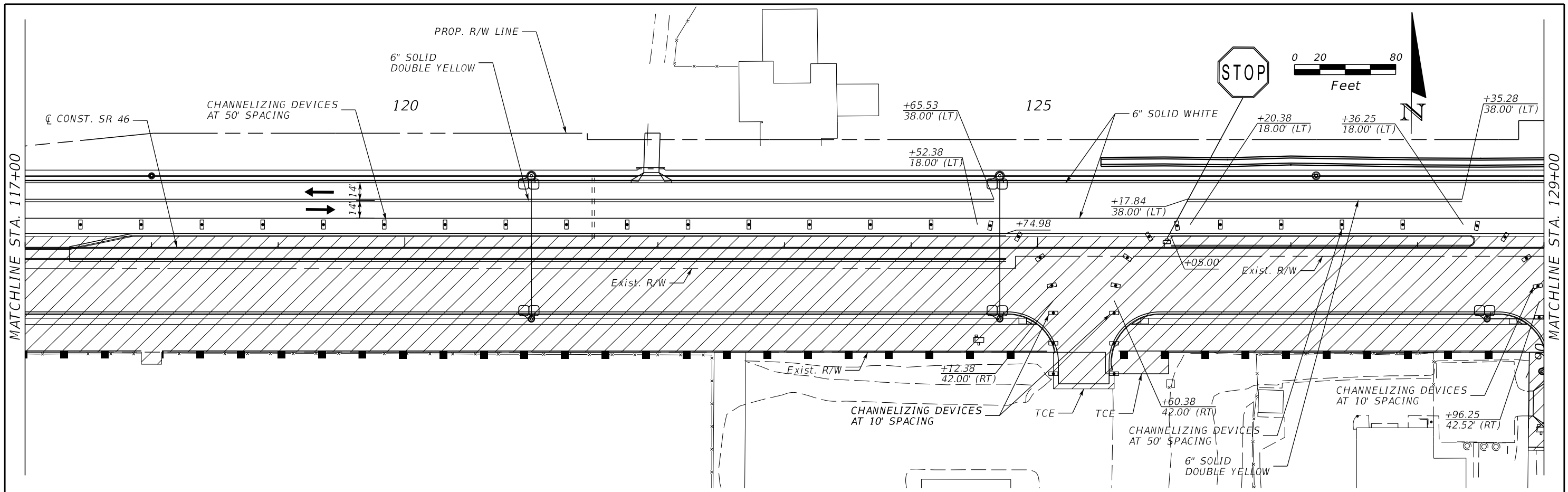
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC PLANS
 PHASE 2 - SR 46

SHEET NO.
 189

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



LEGEND:

	CONSTRUCTION LIMITS
	TEMPORARY PAVEMENT
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	SILT FENCE
	INLET PROTECTION
	TEMPORARY BARRIER WALL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

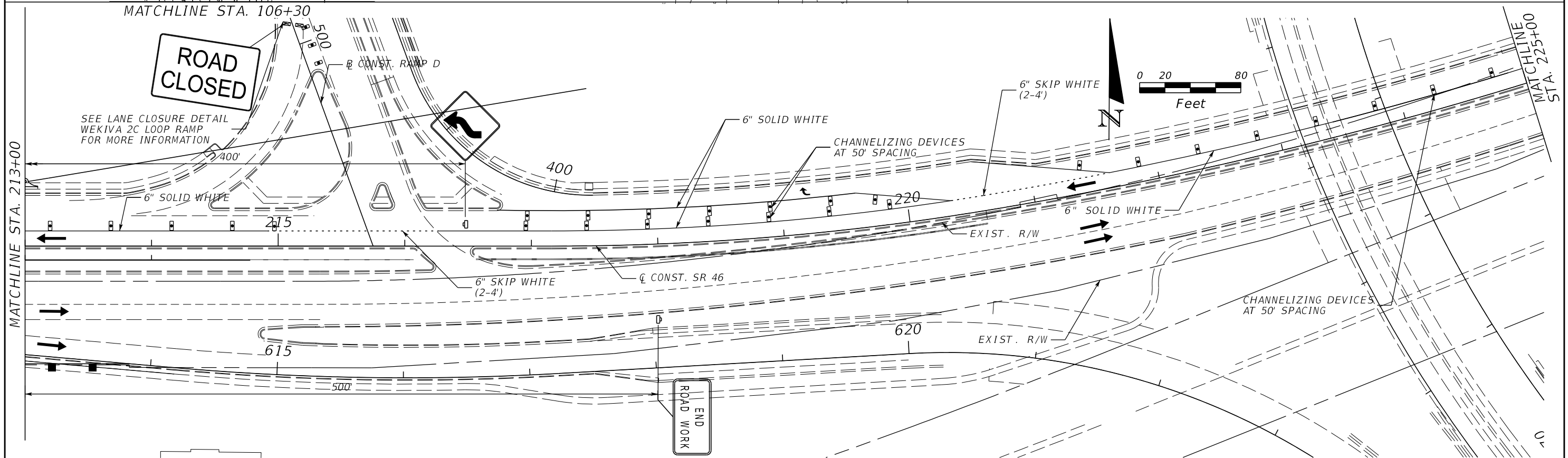
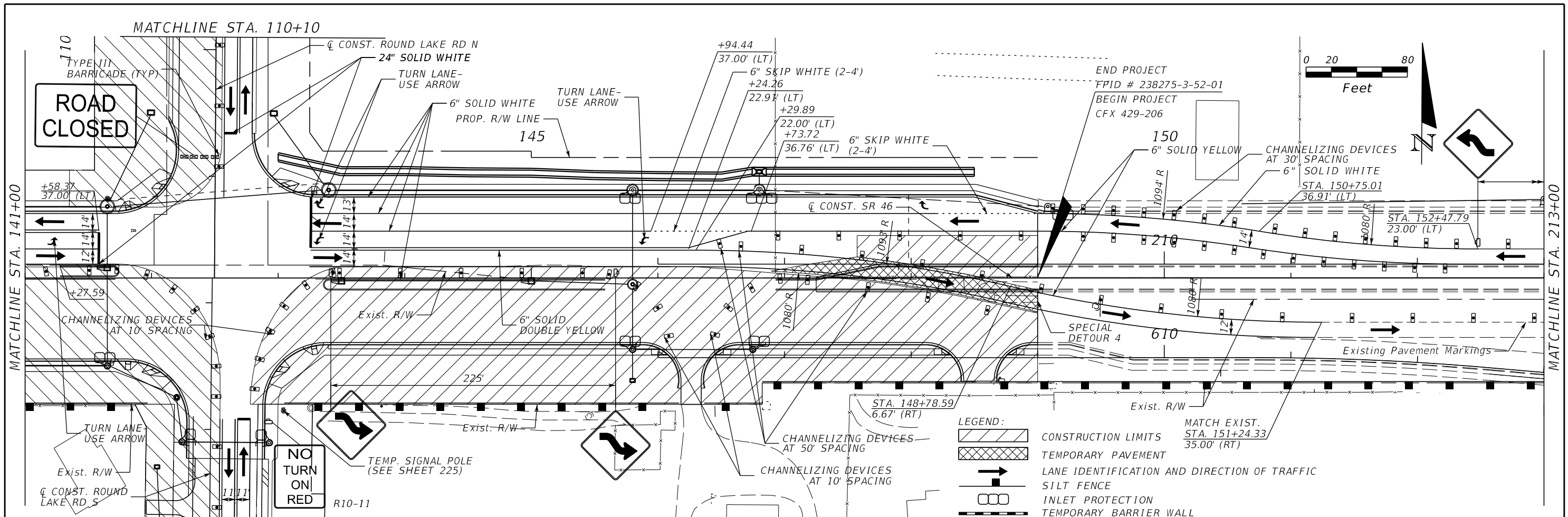
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC PLANS
PHASE 2 - SR 46

SHEET NO.
 190

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

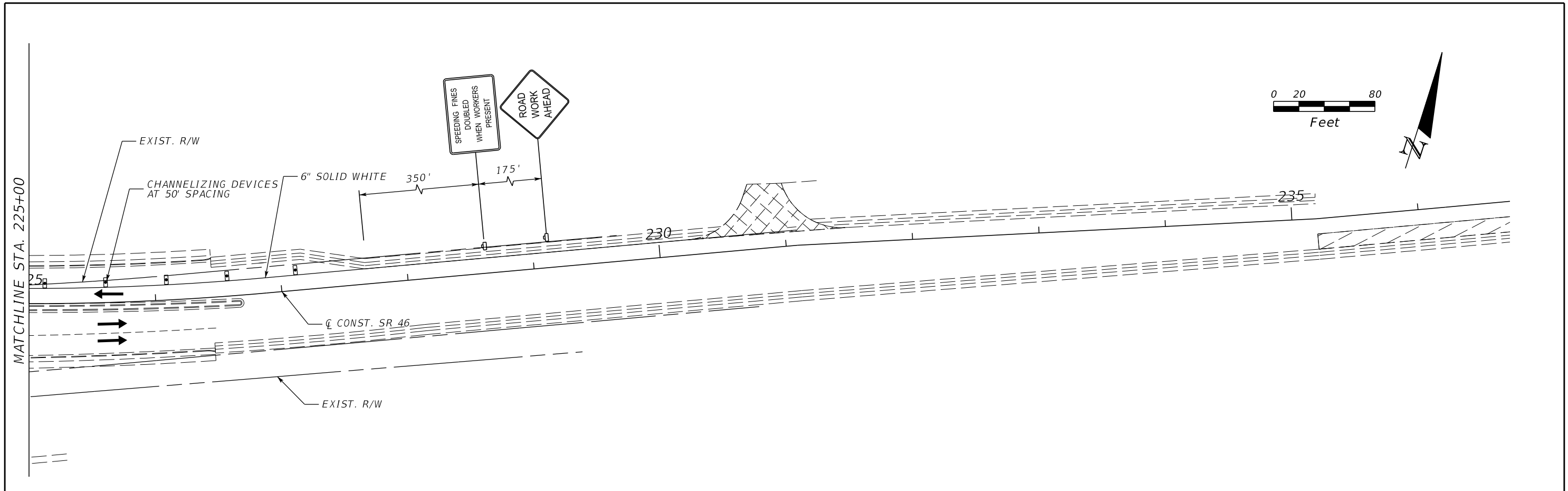
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

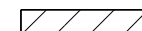





TTC PLANS
PHASE 2 - SR 46

SHEET NO.
 191

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

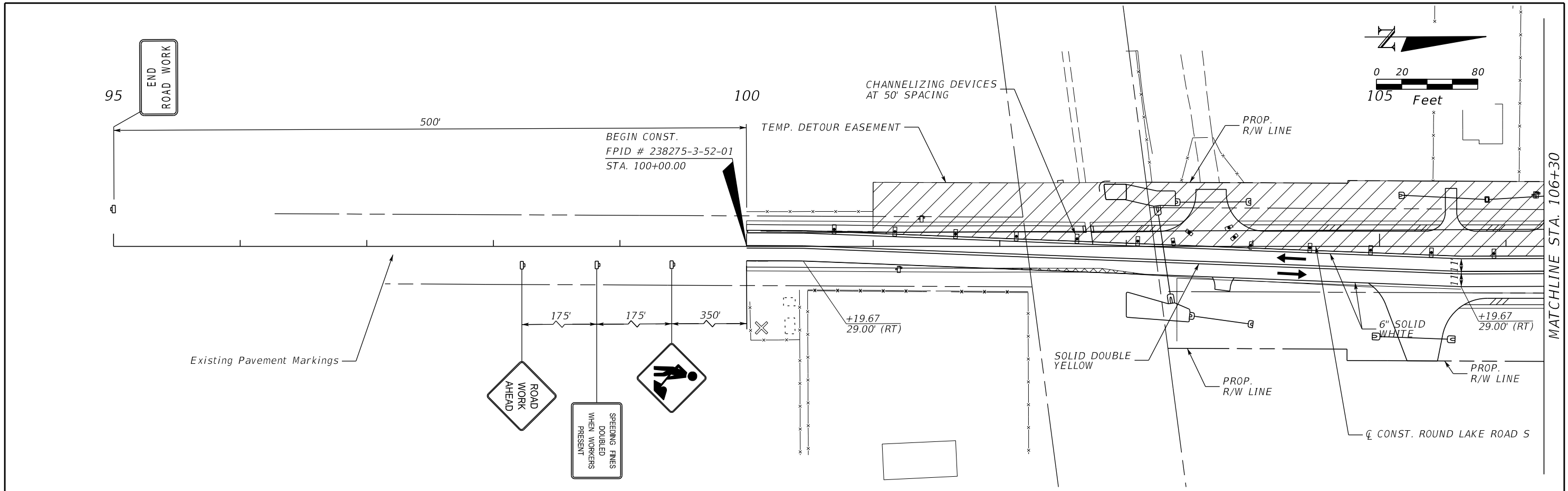


LEGEND:

-  CONSTRUCTION LIMITS
-  TEMPORARY PAVEMENT
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  SILT FENCE
-  INLET PROTECTION
-  TEMPORARY BARRIER WALL

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 2 - SR 46	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		192

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



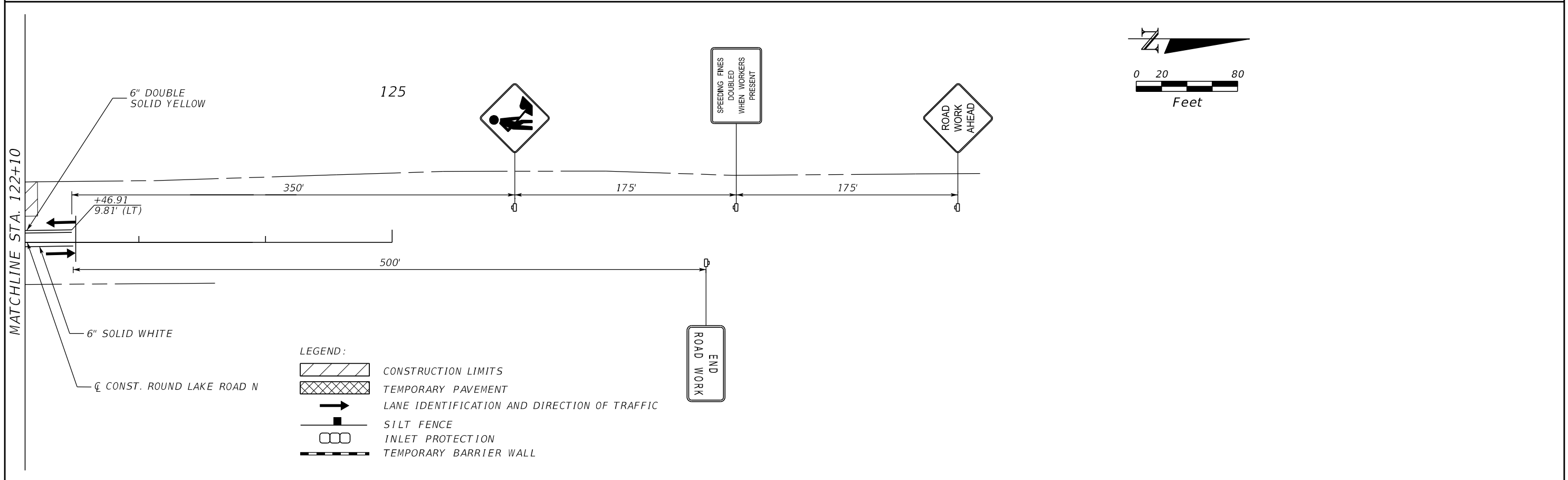
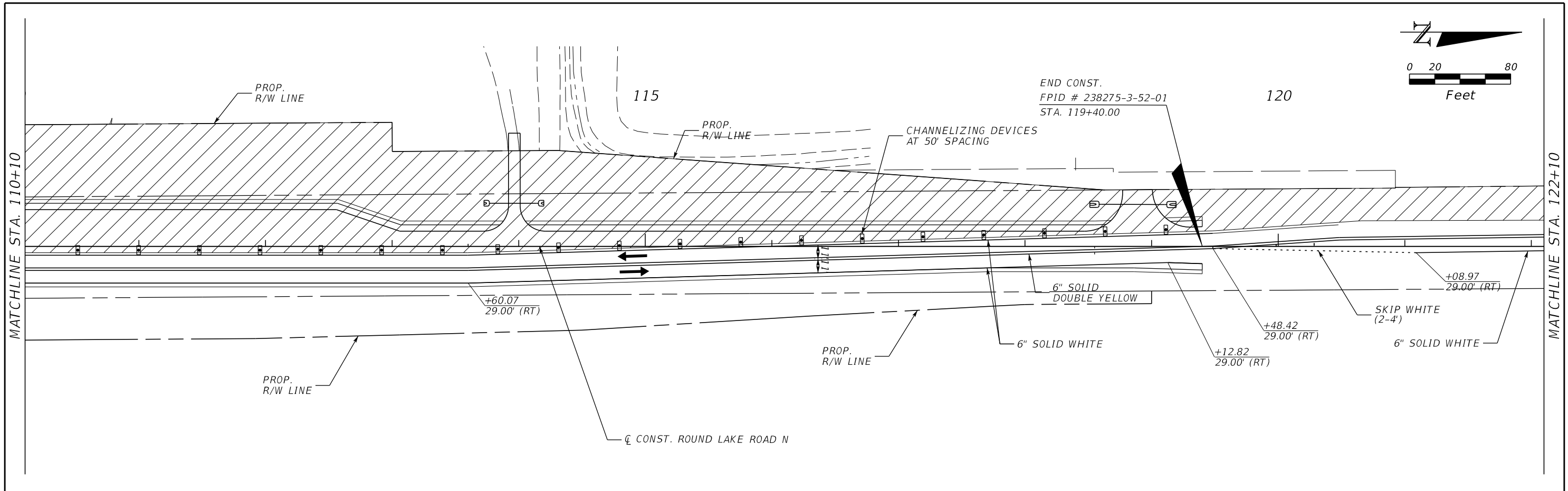
MATCHLINE STA. 106+30

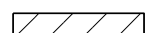





THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LEGEND:

- CONSTRUCTION LIMITS
- TEMPORARY PAVEMENT
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- SILT FENCE
- INLET PROTECTION
- TEMPORARY BARRIER WALL

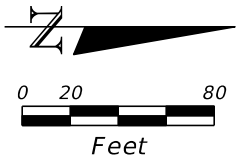
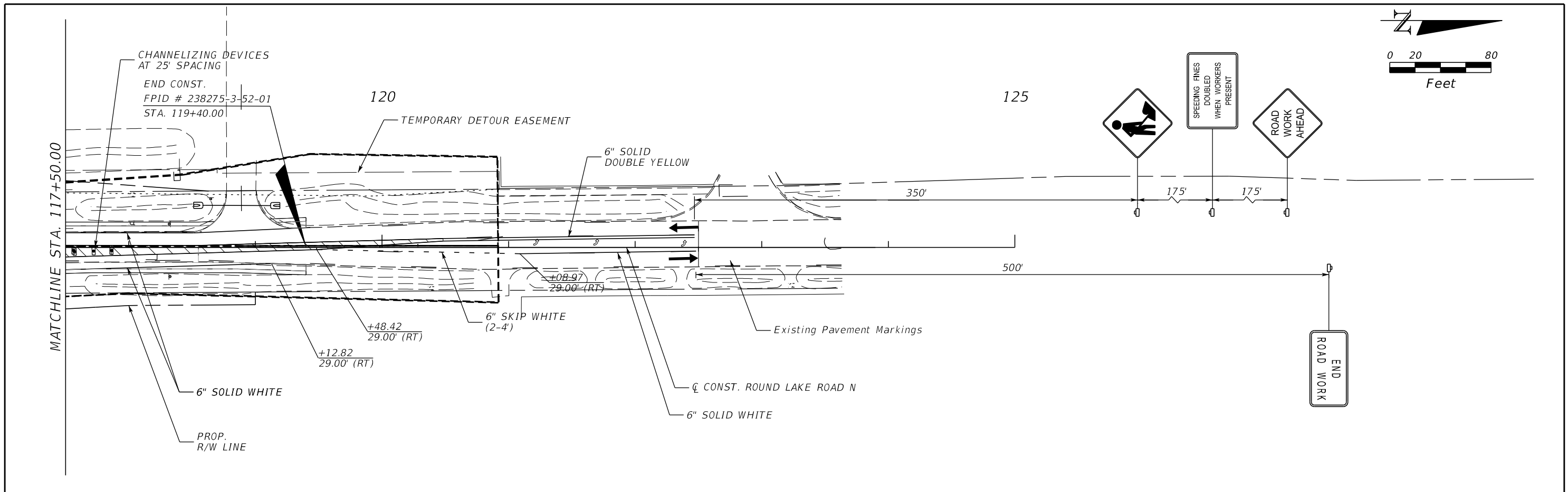
REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 2 - ROUND LAKE RD	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		193
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		



- LEGEND:**
-  CONSTRUCTION LIMITS
 -  TEMPORARY PAVEMENT
 -  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
 -  SILT FENCE
 -  INLET PROTECTION
 -  TEMPORARY BARRIER WALL

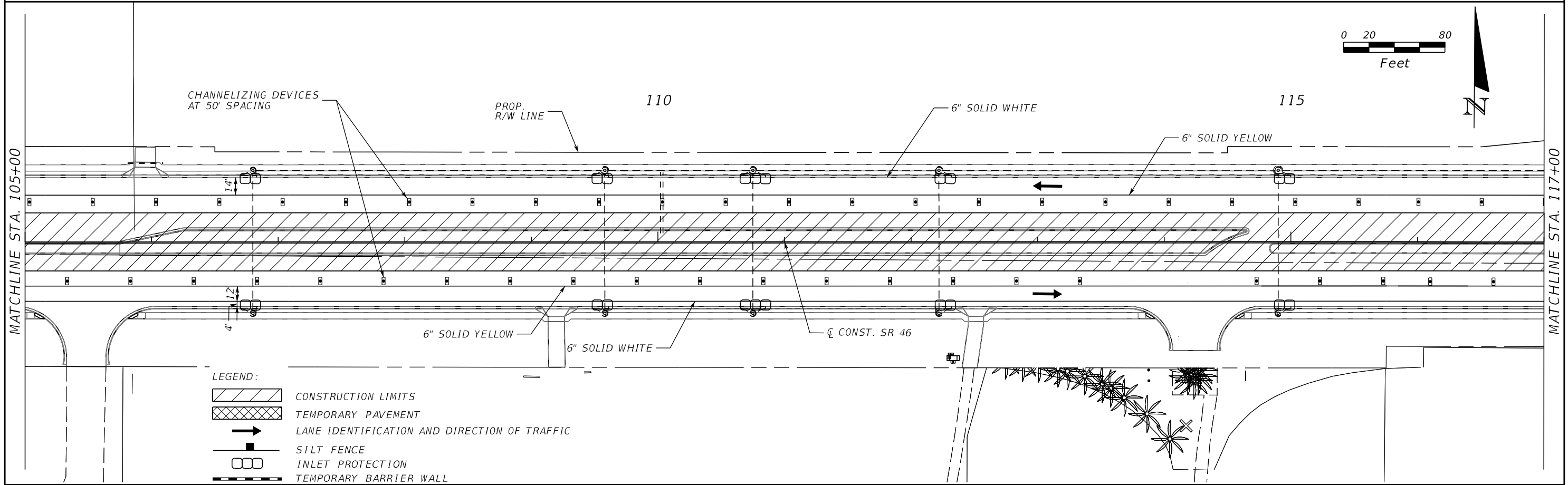
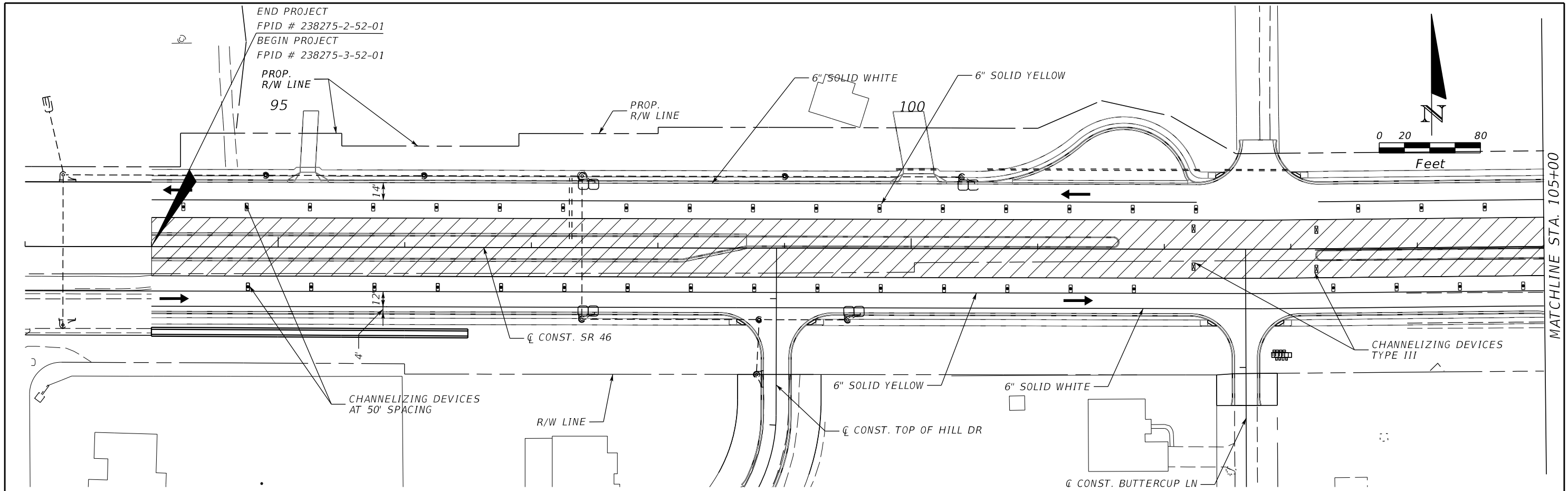
REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 2 - ROUND LAKE RD	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		194
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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



- LEGEND:**
- CONSTRUCTION LIMITS
 - TEMPORARY PAVEMENT
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
 - SILT FENCE
 - INLET PROTECTION
 - TEMPORARY BARRIER WALL

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 2A - ROUND LAKE RD		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID			196
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01	THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.				



LEGEND:

	CONSTRUCTION LIMITS
	TEMPORARY PAVEMENT
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	SILT FENCE
	INLET PROTECTION
	TEMPORARY BARRIER WALL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

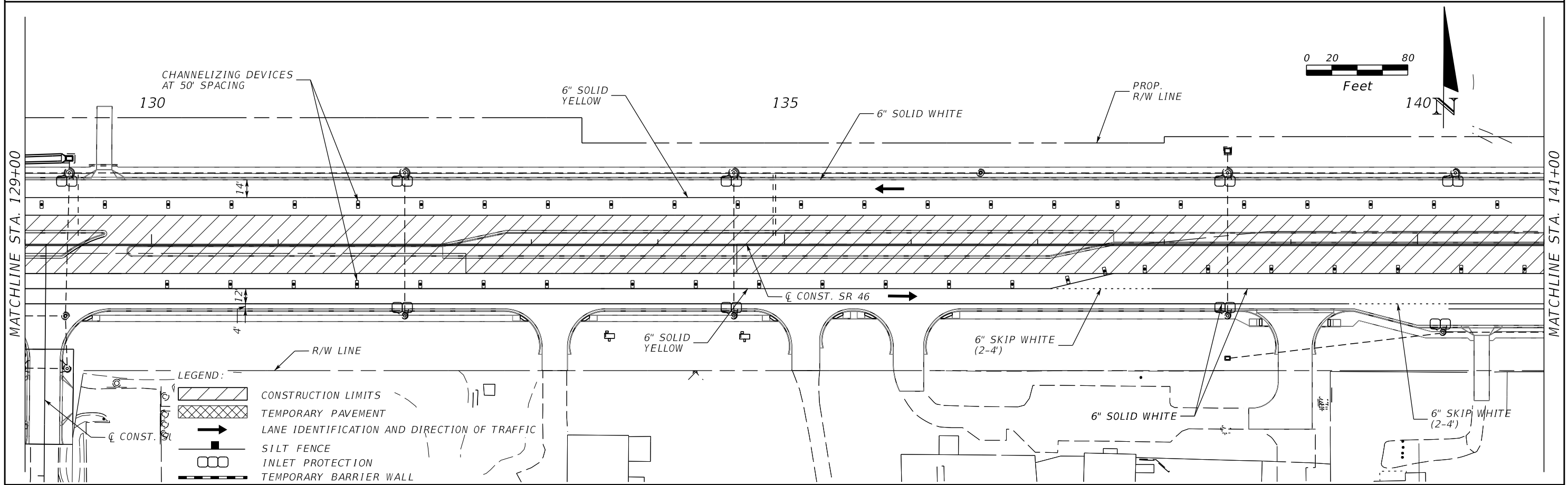
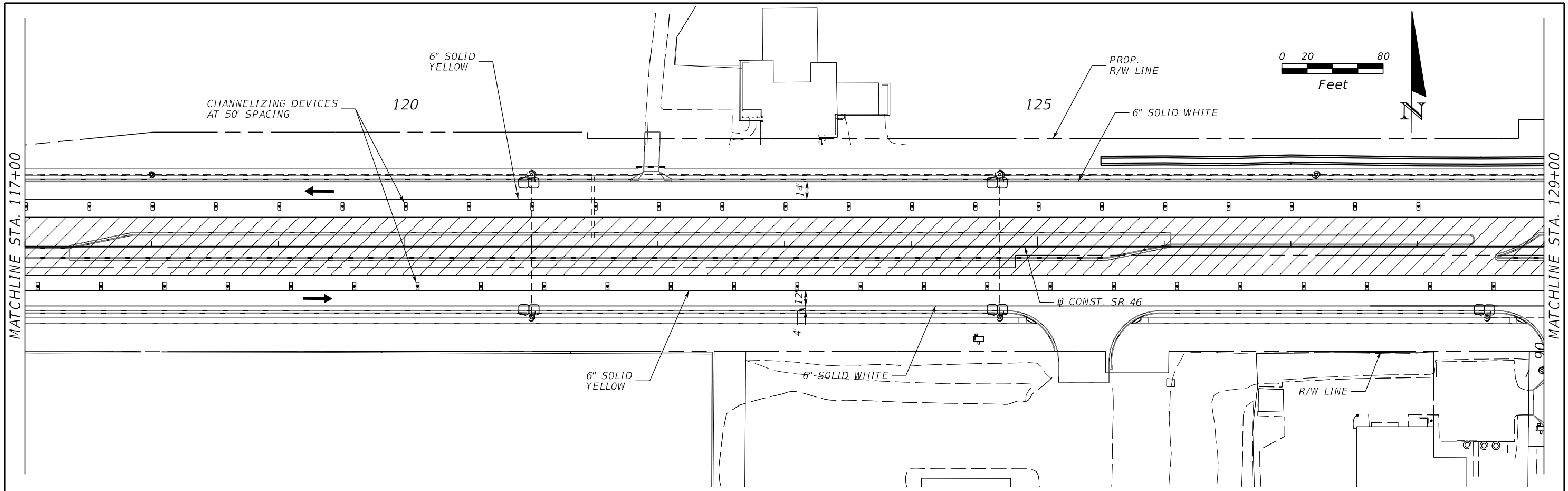
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC PLANS
PHASE 3 - SR 46

SHEET NO.
 197

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

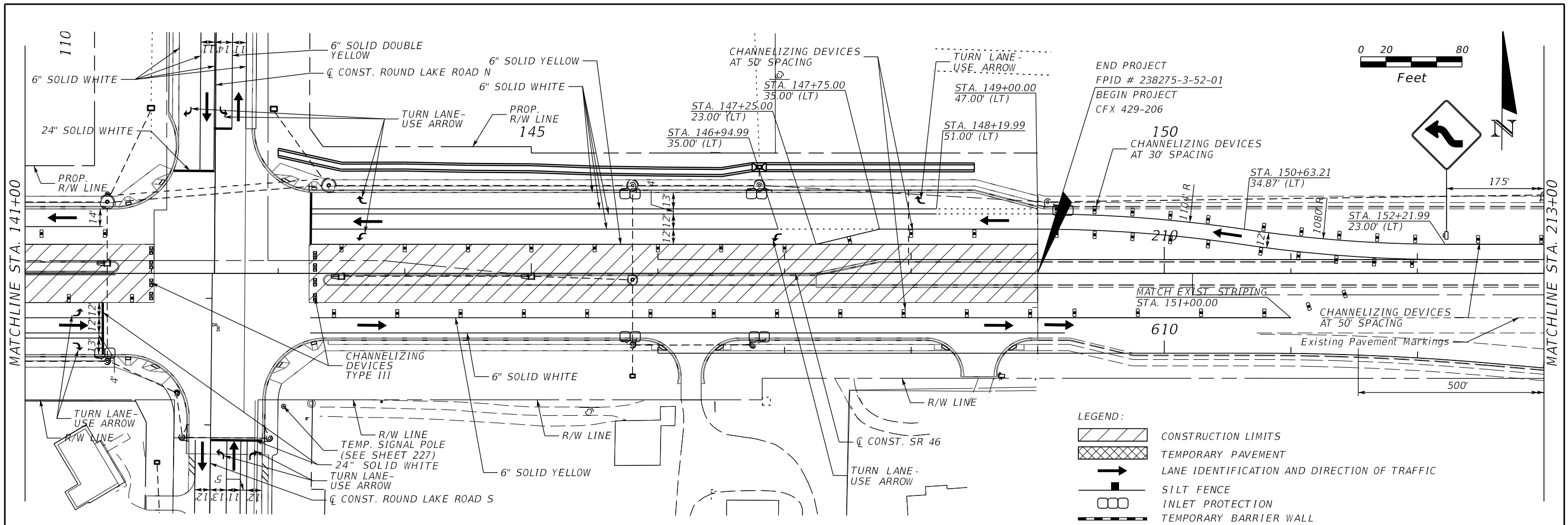
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

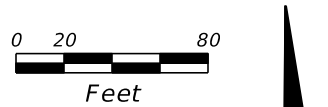
TTC PLANS
PHASE 3 - SR 46

SHEET NO.
 198

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

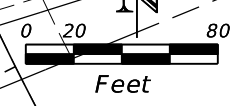
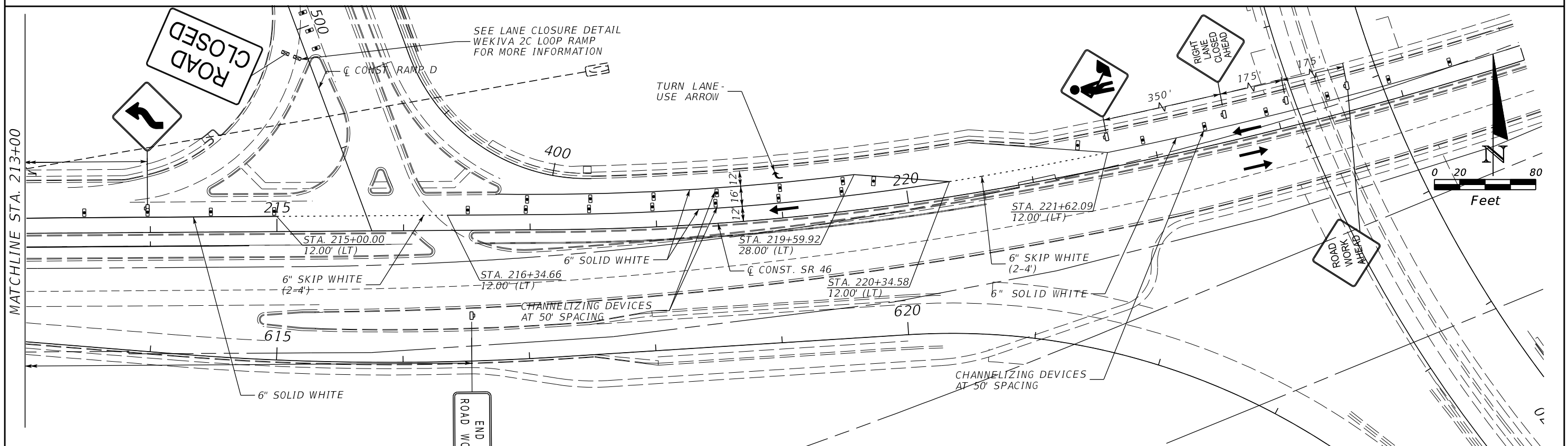


END PROJECT
 FPID # 238275-3-52-01
 BEGIN PROJECT
 CFX 429-206



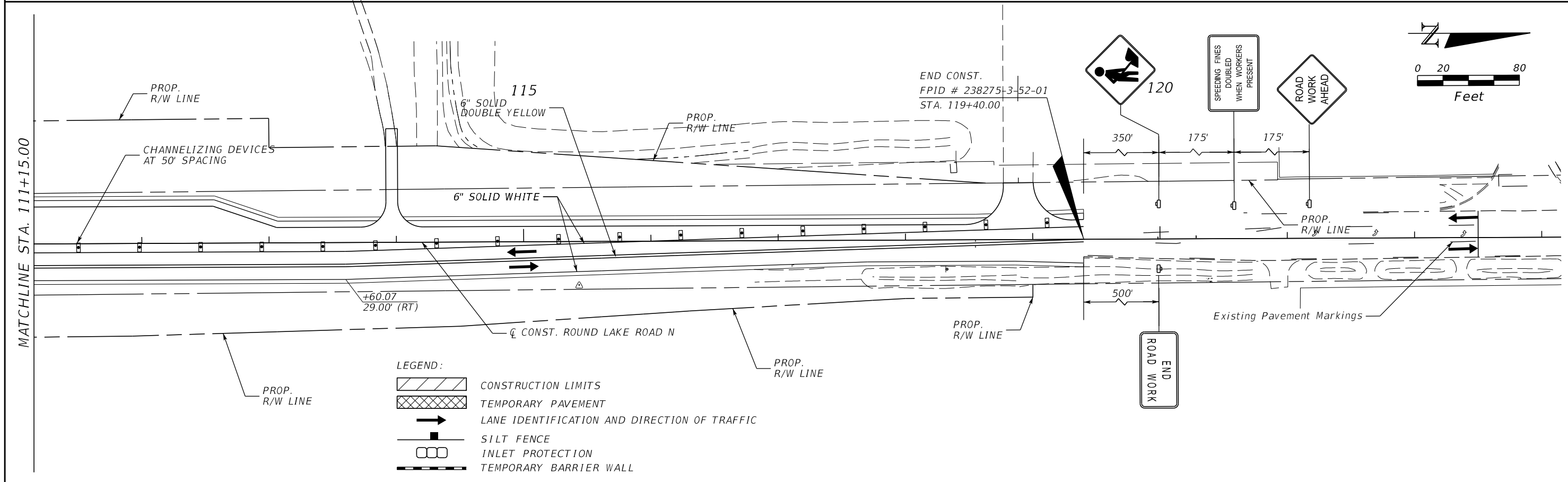
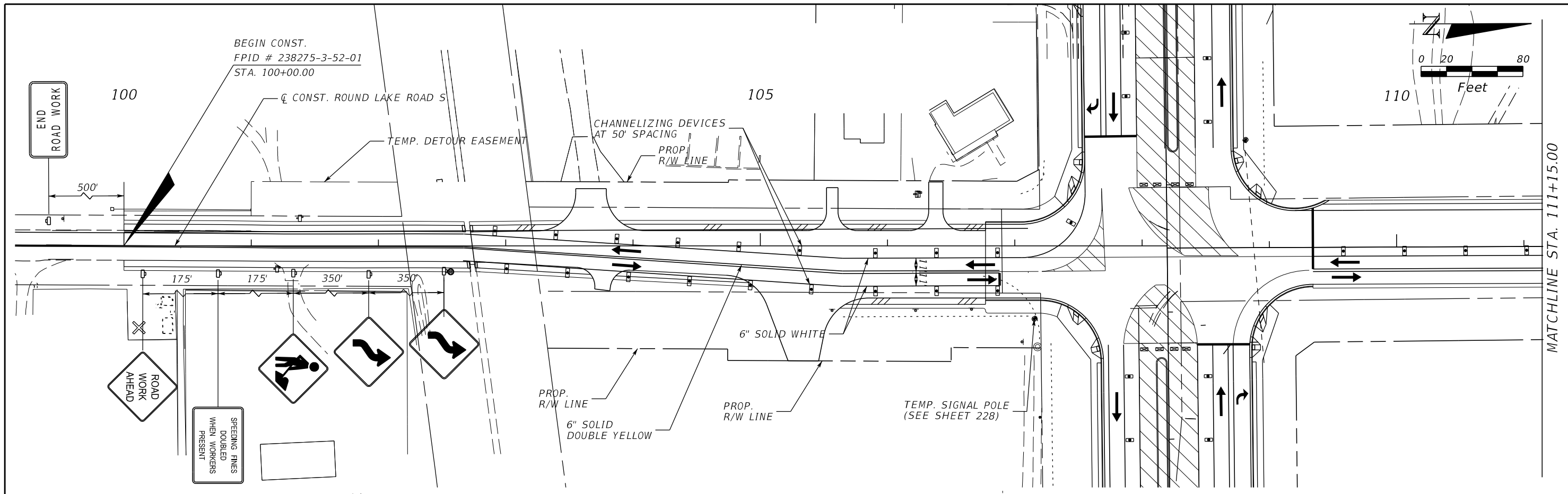
LEGEND:

- CONSTRUCTION LIMITS
- TEMPORARY PAVEMENT
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- SILT FENCE
- INLET PROTECTION
- TEMPORARY BARRIER WALL



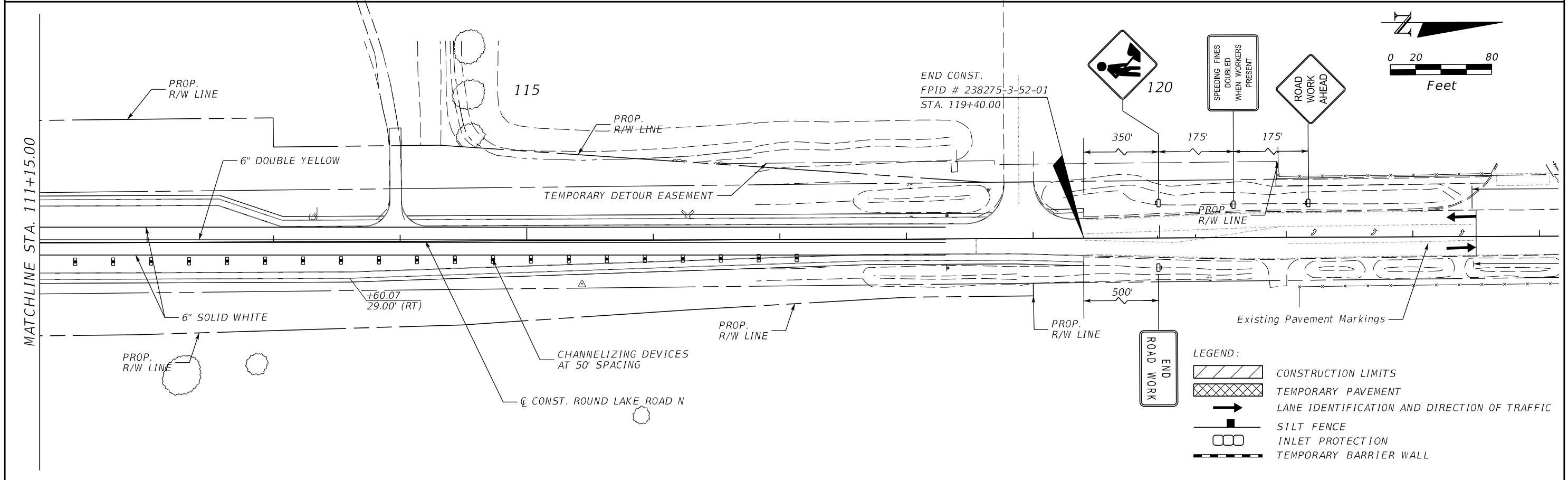
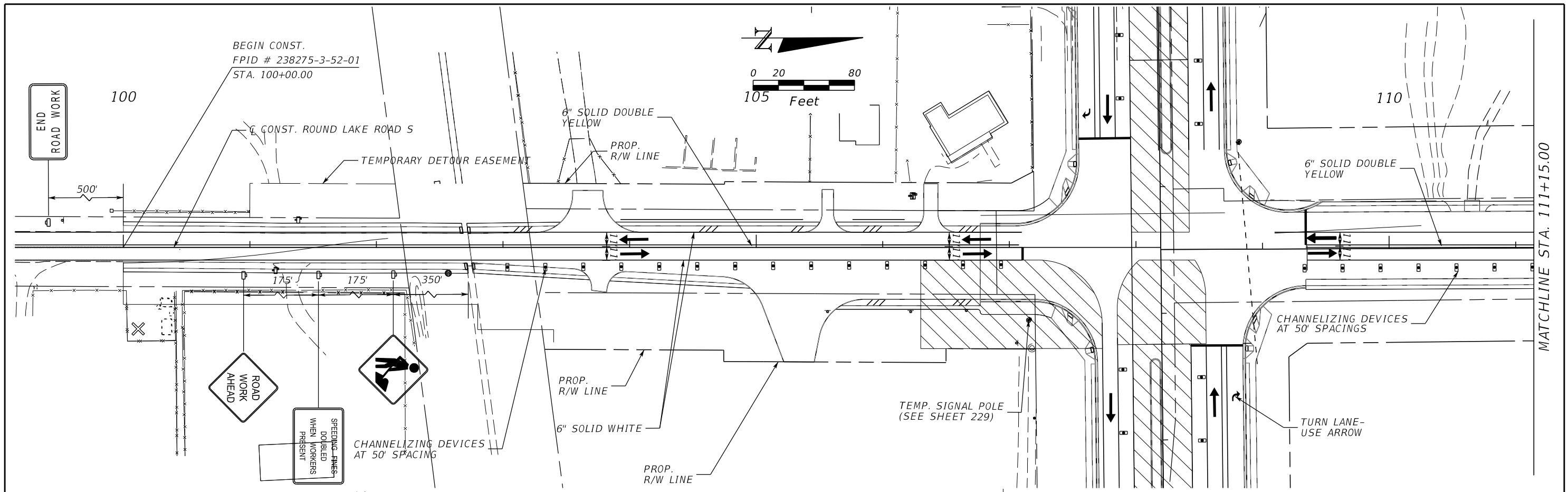
REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 3 - SR 46	SHEET NO. 199
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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



REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC PLANS PHASE 3A - ROUND LAKE RD	SHEET NO. 200
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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



- LEGEND:**
- CONSTRUCTION LIMITS
 - TEMPORARY PAVEMENT
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
 - SILT FENCE
 - INLET PROTECTION
 - TEMPORARY BARRIER WALL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

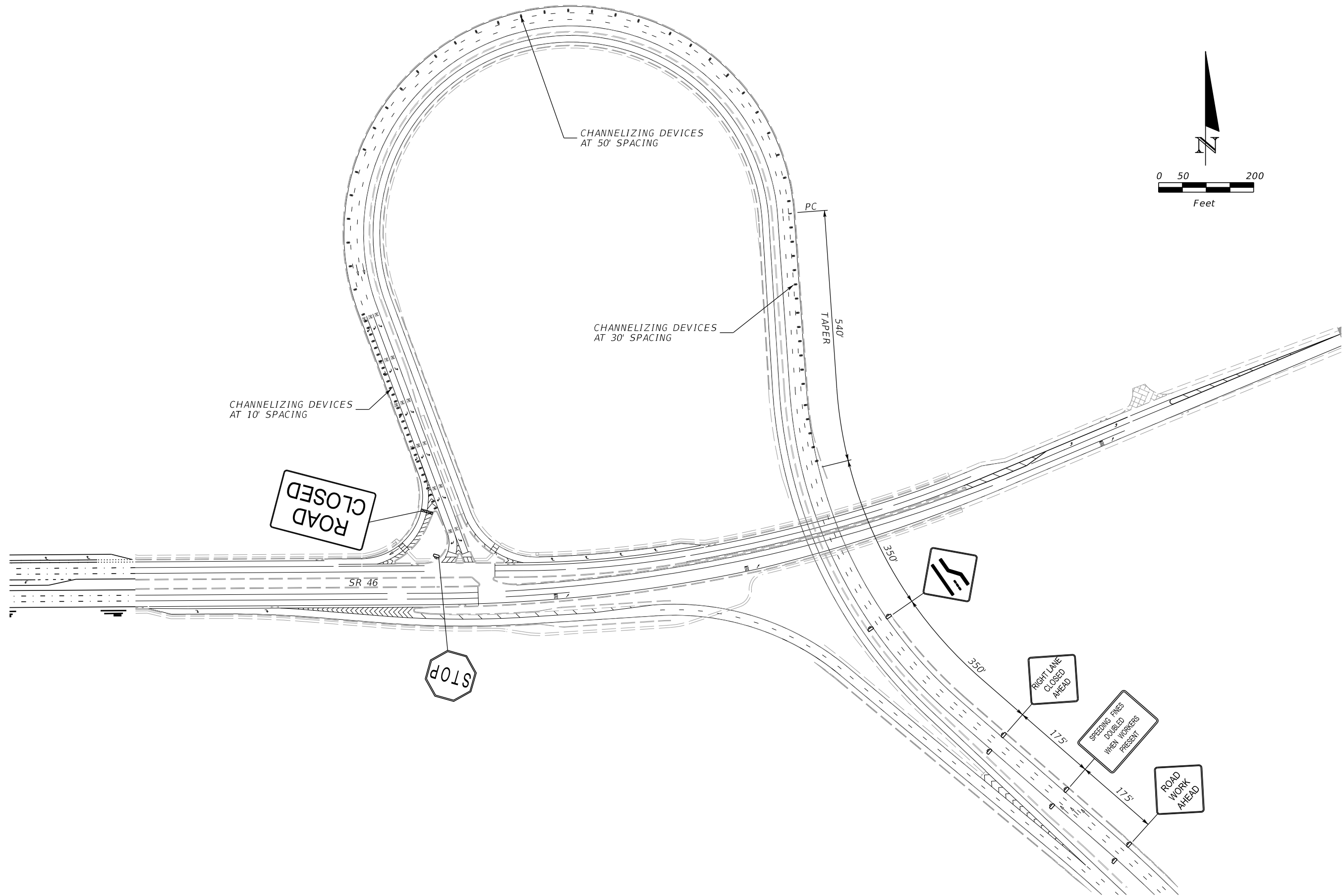
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC PLANS
PHASE 3B - ROUND LAKE RD

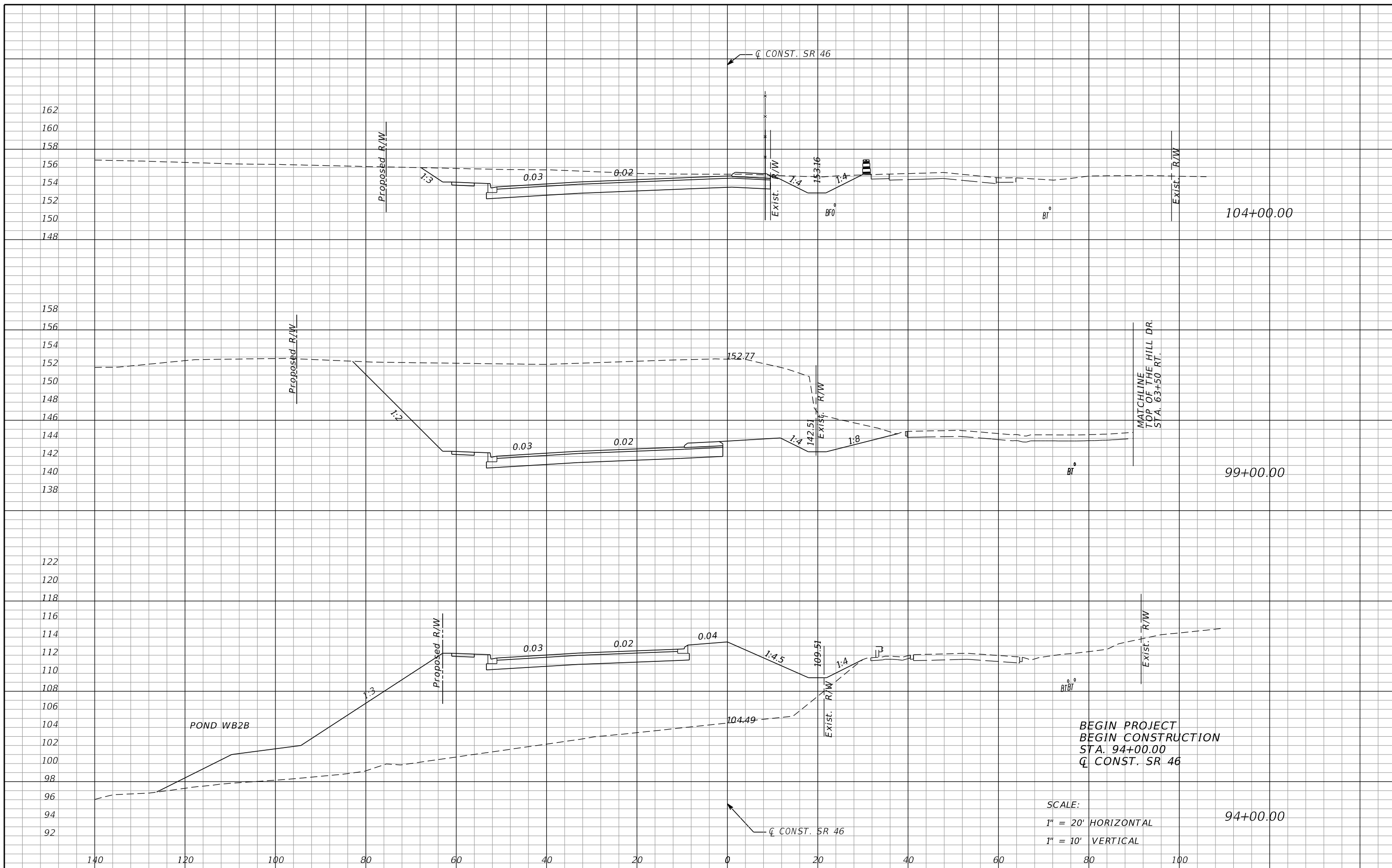
SHEET NO.
201

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



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

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANE CLOSURE DETAIL WEKIVA 2C LOOP RAMP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		202
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		



BEGIN PROJECT
 BEGIN CONSTRUCTION
 STA. 94+00.00
 CL CONST. SR 46

SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

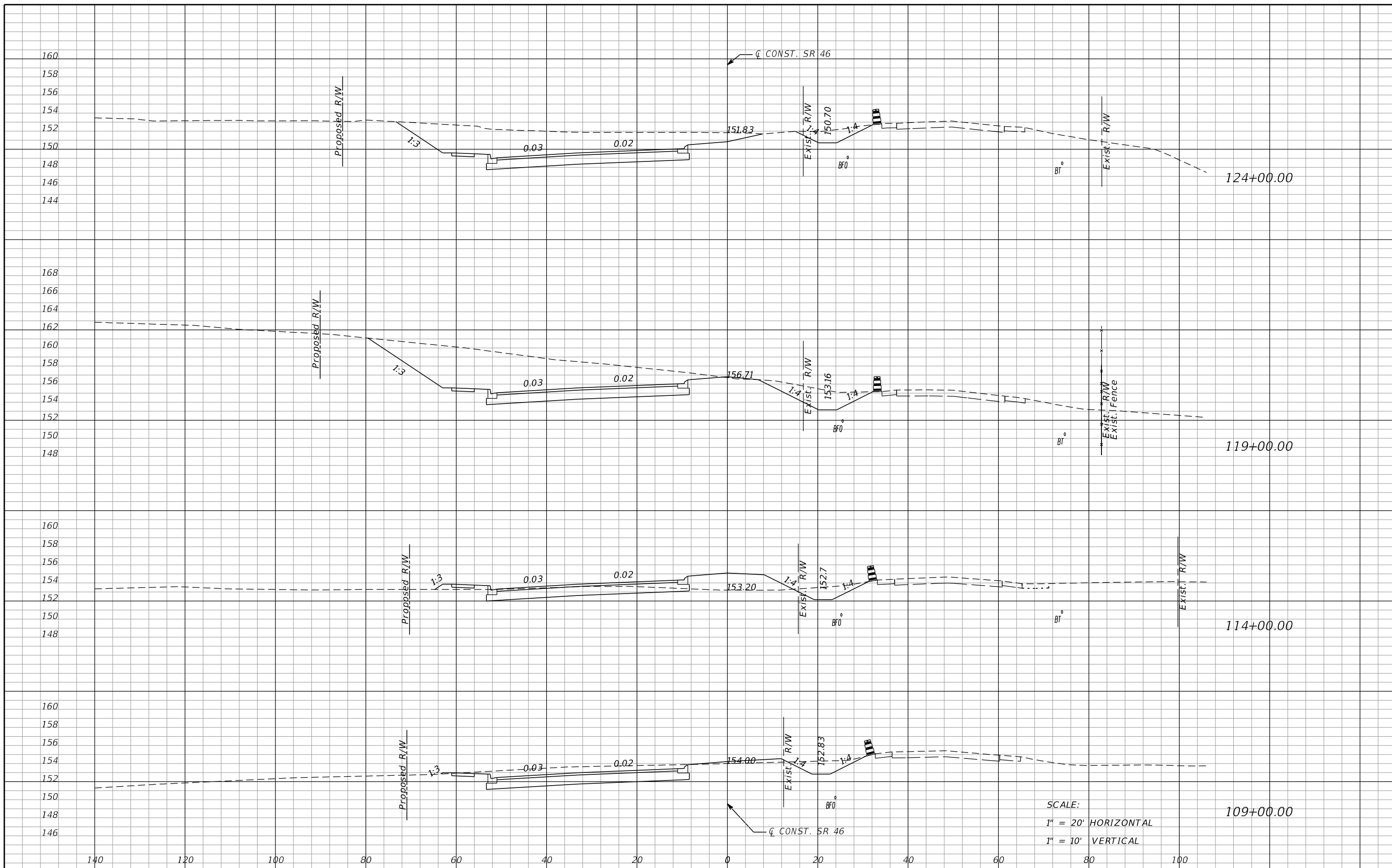
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC CROSS SECTIONS
PHASE 1 - SR 46

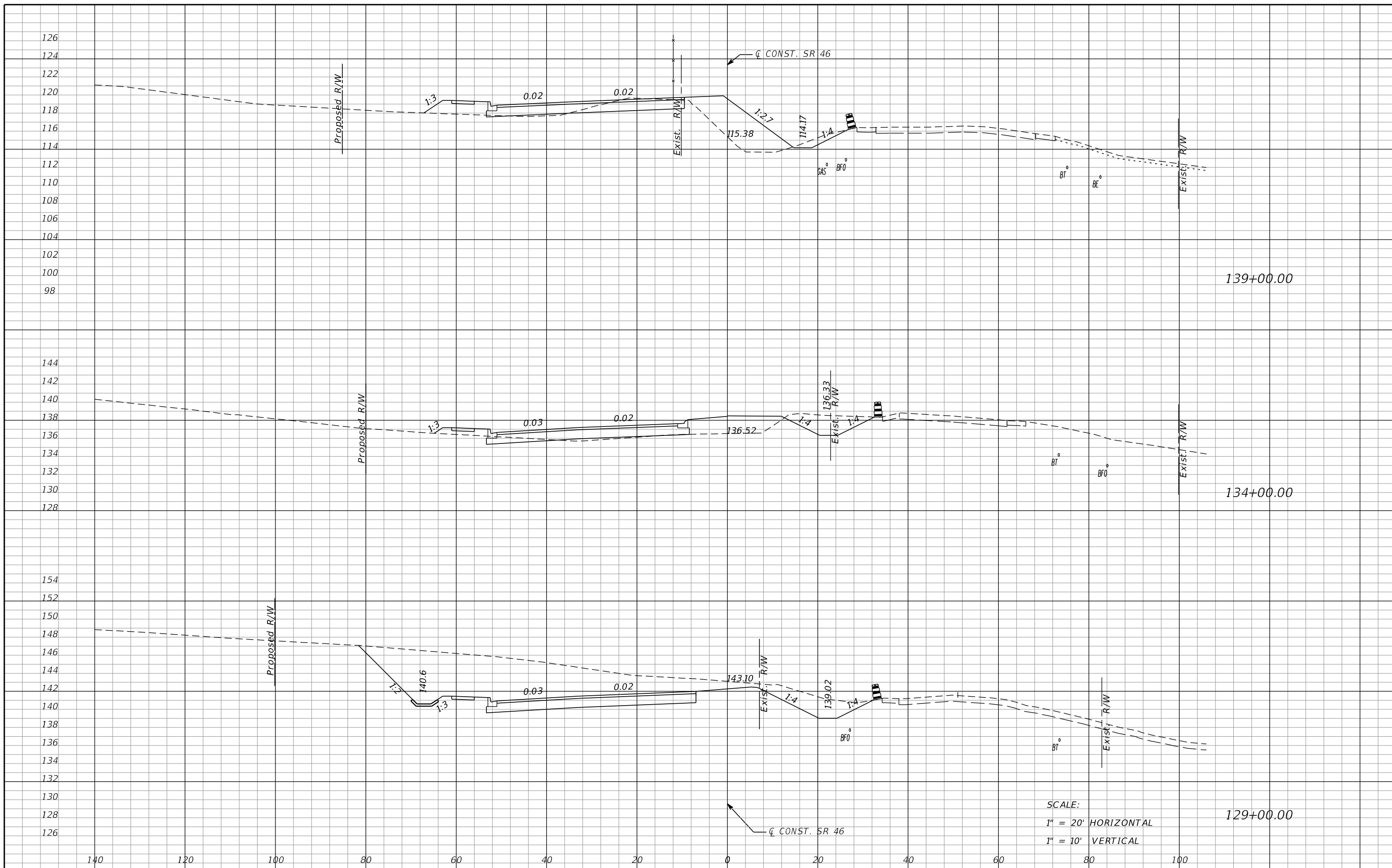
SHEET NO.
 203

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



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

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC CROSS SECTIONS PHASE 1 - SR 46	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		204
					46	LAKE	238275-3-52-01		



SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

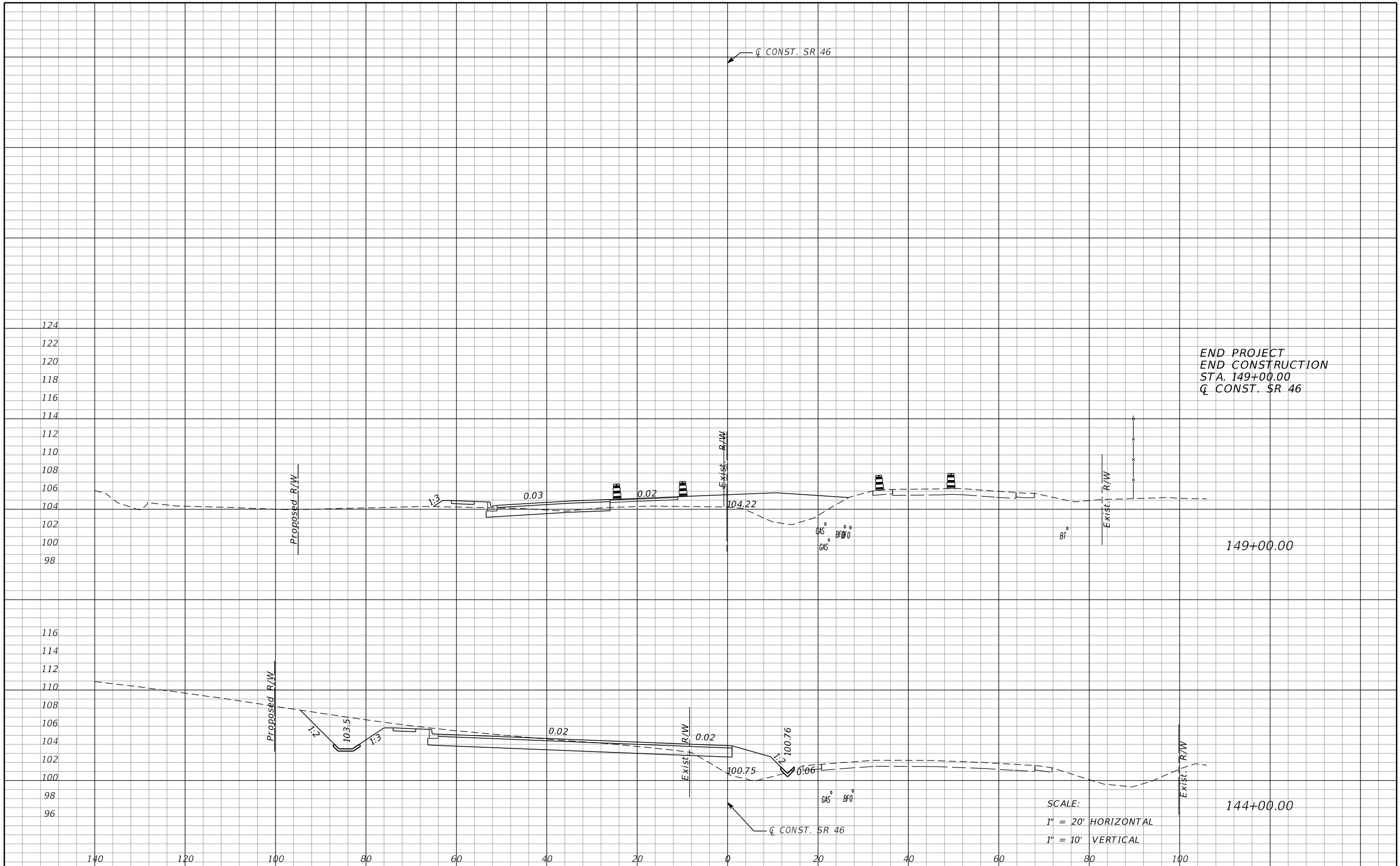
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC CROSS SECTIONS
PHASE 1 - SR 46

SHEET NO.
 205

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

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



END PROJECT
END CONSTRUCTION
STA. 149+00.00
CL CONST. SR 46

149+00.00

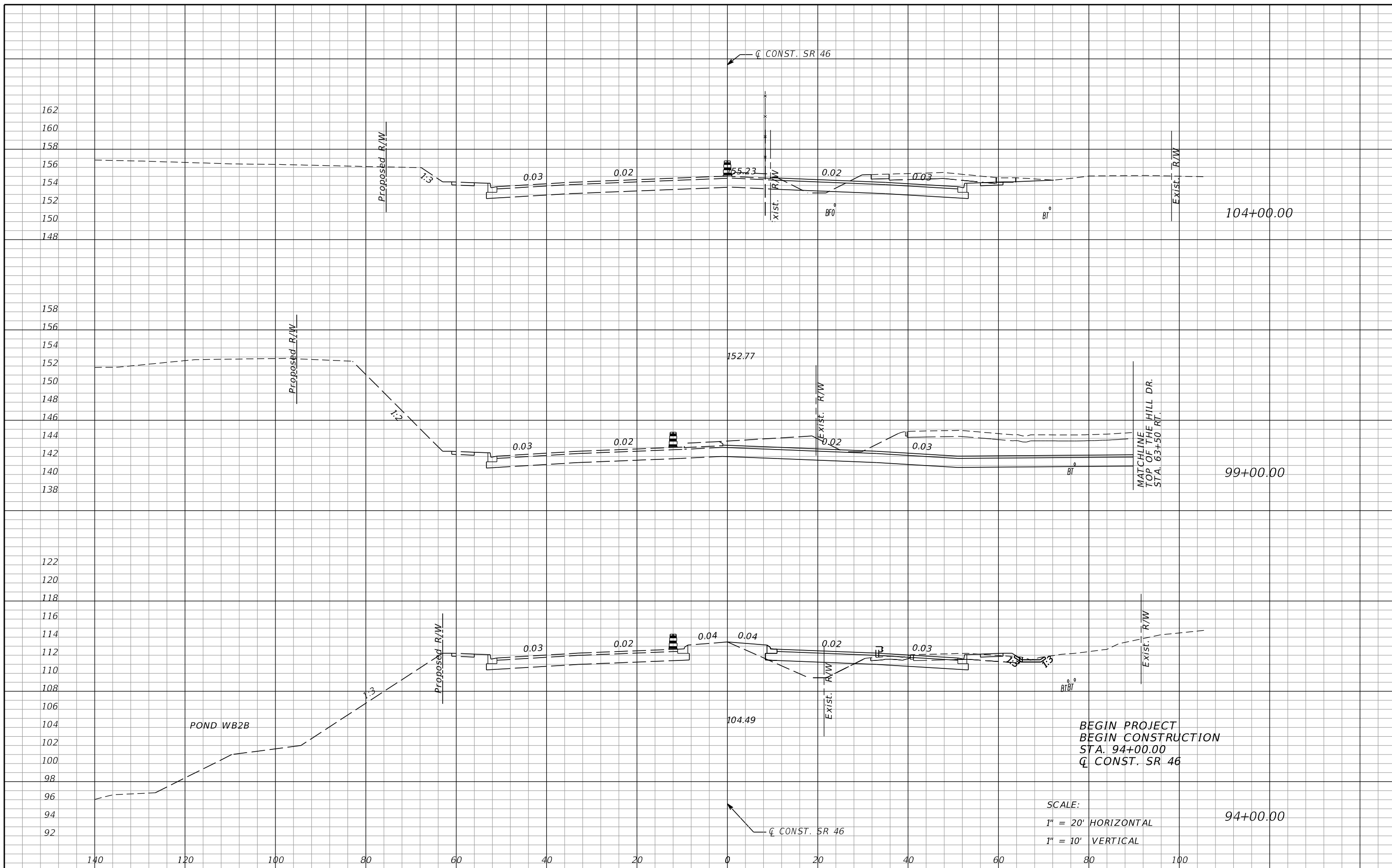
144+00.00

SCALE:
1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC CROSS SECTIONS PHASE 1 - SR 46		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID			206

ENGINEER OF RECORD:
FOREST W. ADKINS, P.E.
FL REGISTRATION NO. 56003

46 LAKE 238275-3-52-01



BEGIN PROJECT
 BEGIN CONSTRUCTION
 STA. 94+00.00
 Q CONST. SR 46

SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

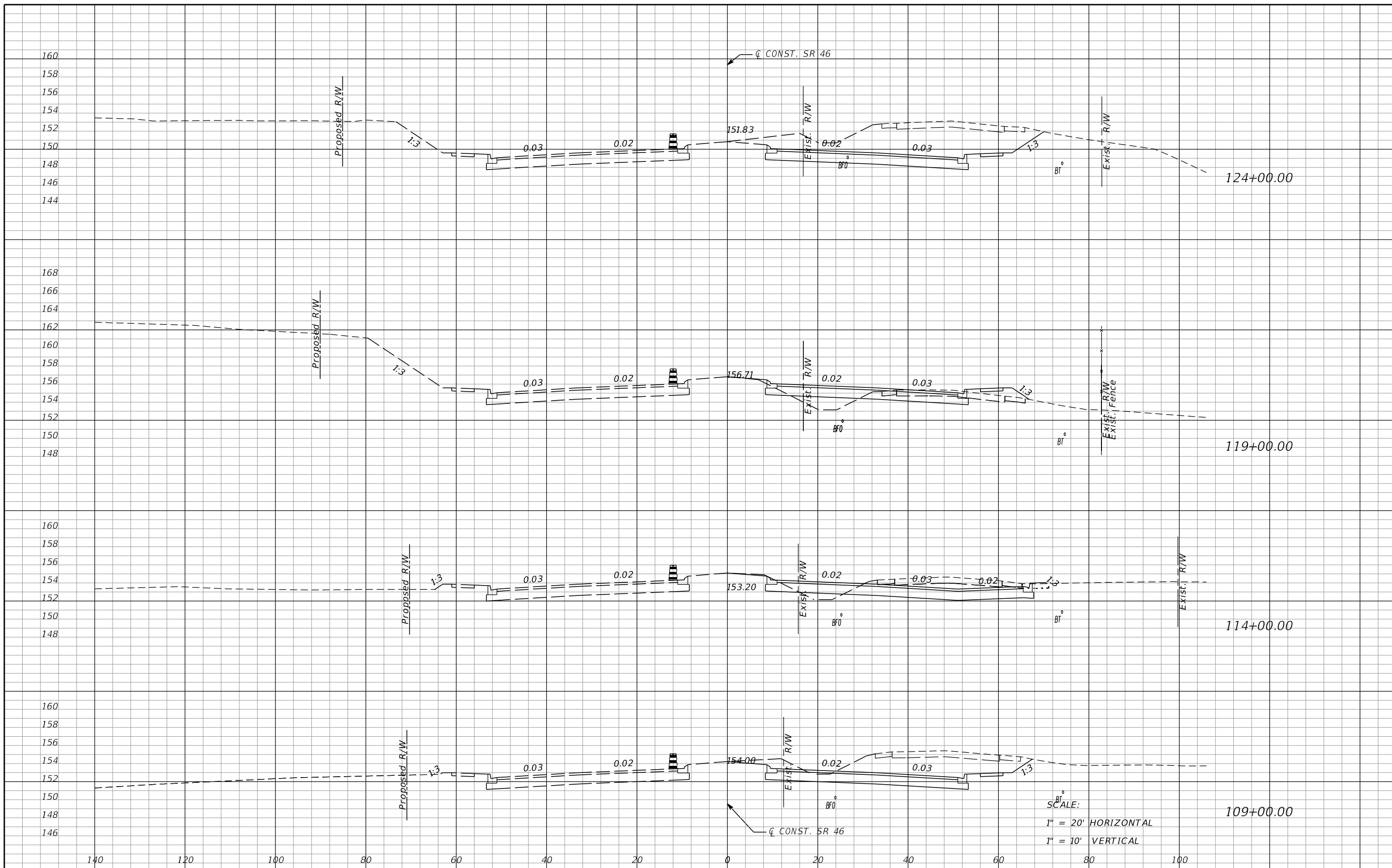
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC CROSS SECTIONS
PHASE 2 - SR 46

SHEET NO.
 207

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



SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

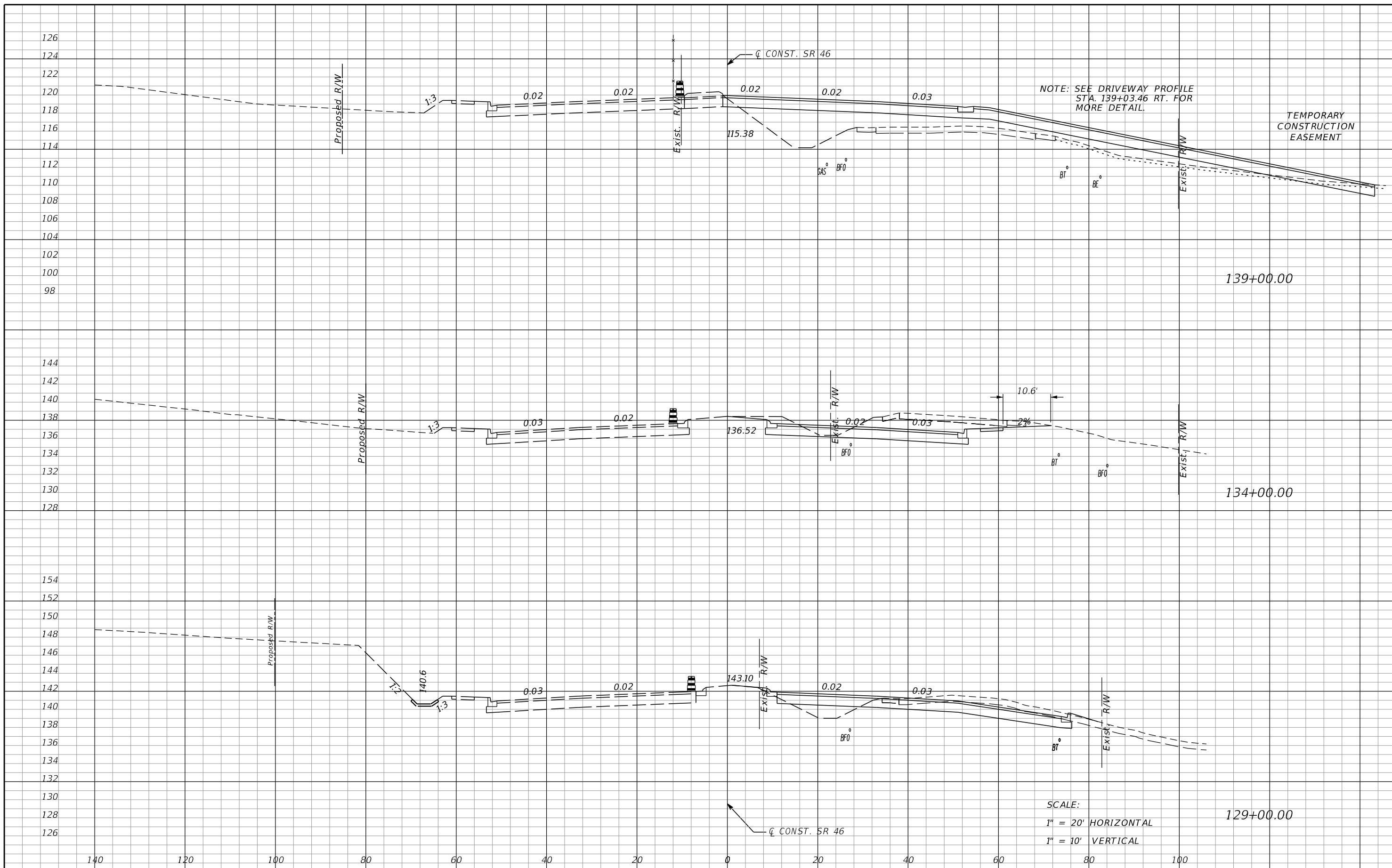
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

**TTC CROSS SECTIONS
 PHASE 2 - SR 46**

SHEET NO.
 208

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

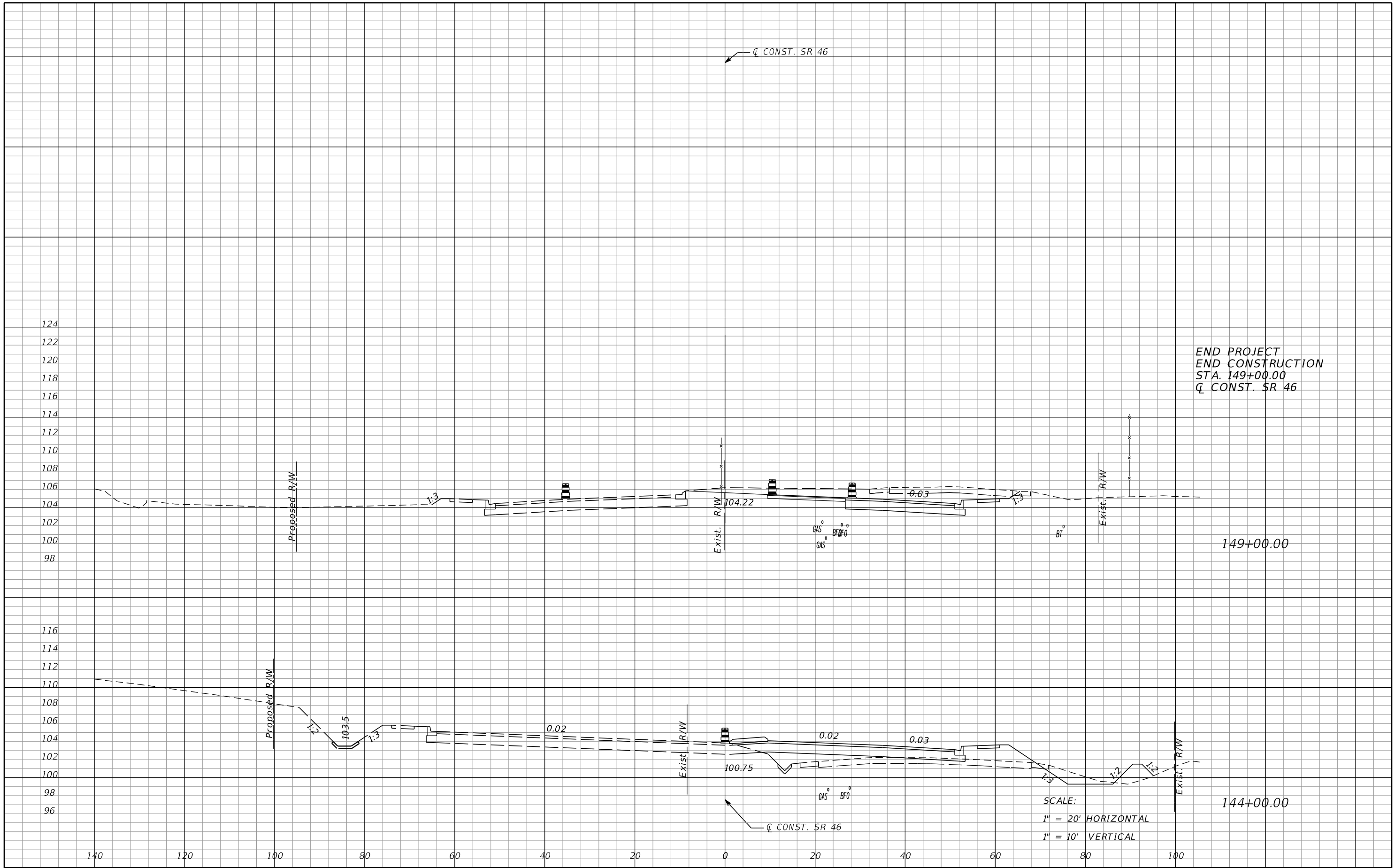
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC CROSS SECTIONS
PHASE 2 - SR 46

SHEET NO.
209

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

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



END PROJECT
END CONSTRUCTION
STA. 149+00.00
CL CONST. SR 46

149+00.00

144+00.00

SCALE:
1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

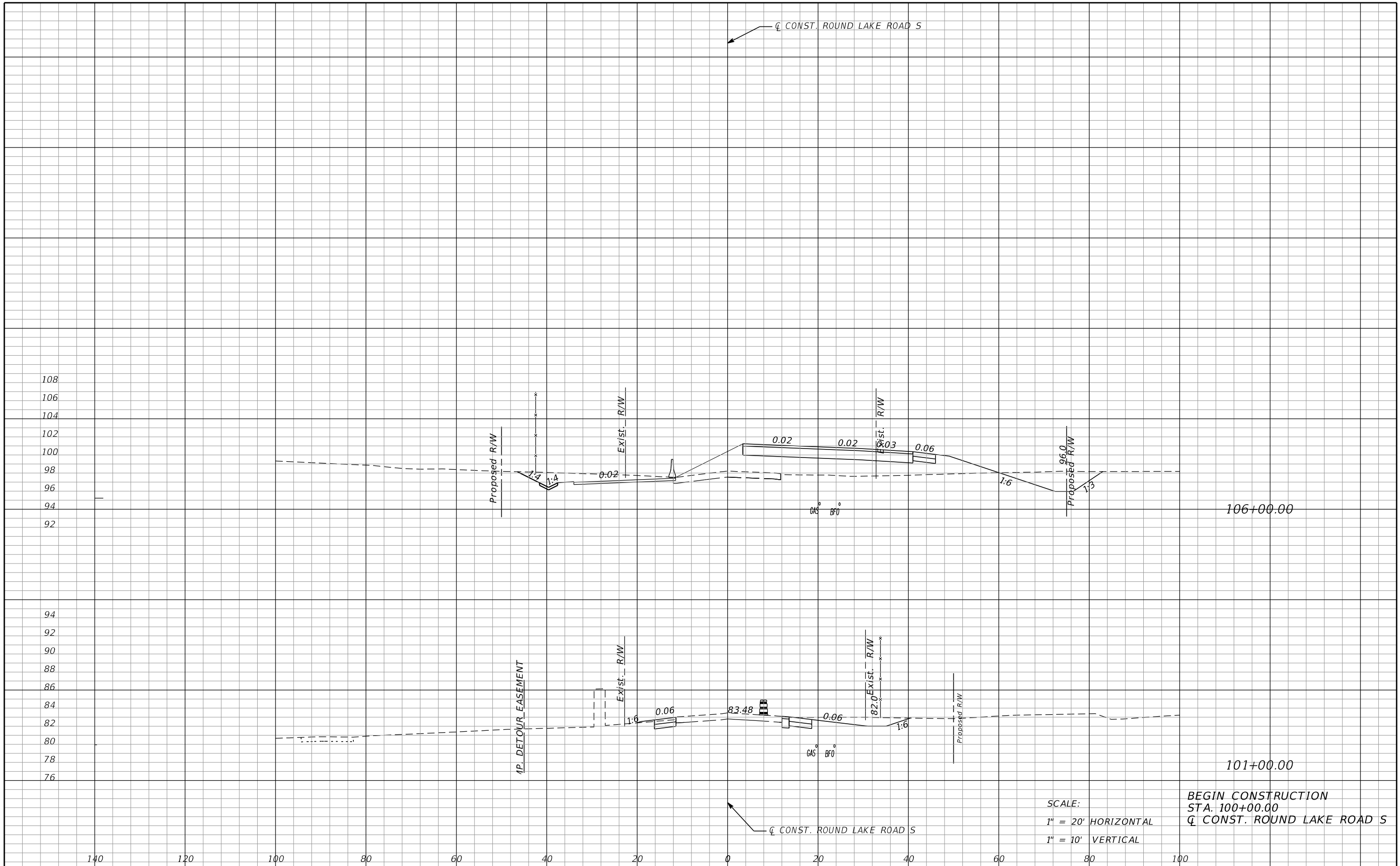
MOFFATT & NICHOL
1025 GREENWOOD BLVD, STE 371
LAKE MARY, FL 32746
PHONE (407) 562-2030
CERT. OF AUTH. NO. 4877

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC CROSS SECTIONS
PHASE 2 - SR 46

SHEET NO.
210

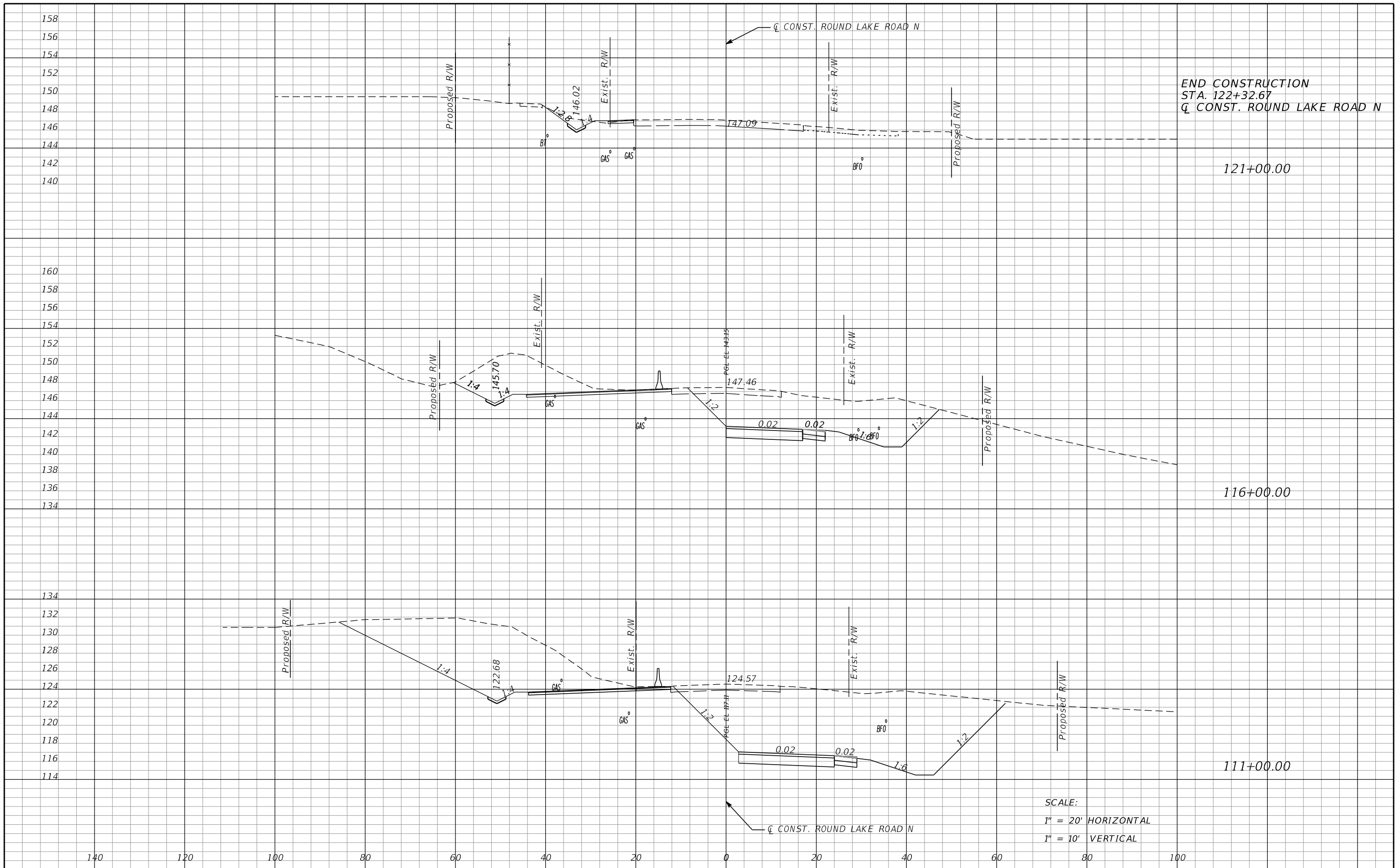
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

BEGIN CONSTRUCTION
 STA. 100+00.00
 Q CONST. ROUND LAKE ROAD S

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC CROSS SECTIONS PHASE 1 - ROUND LAKE RD	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		211



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

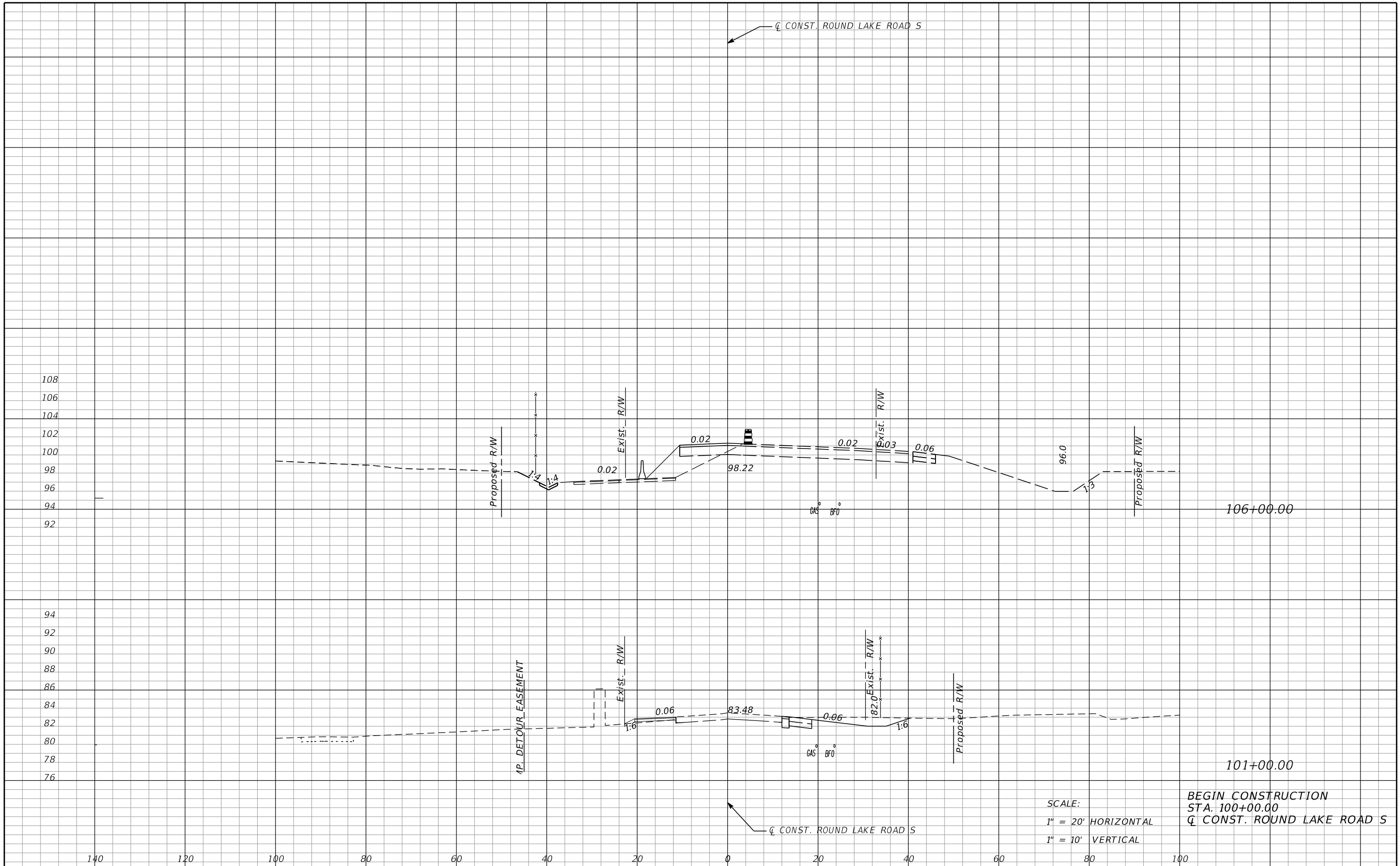
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC CROSS SECTIONS
PHASE 1 - ROUND LAKE RD

SHEET NO.
212

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

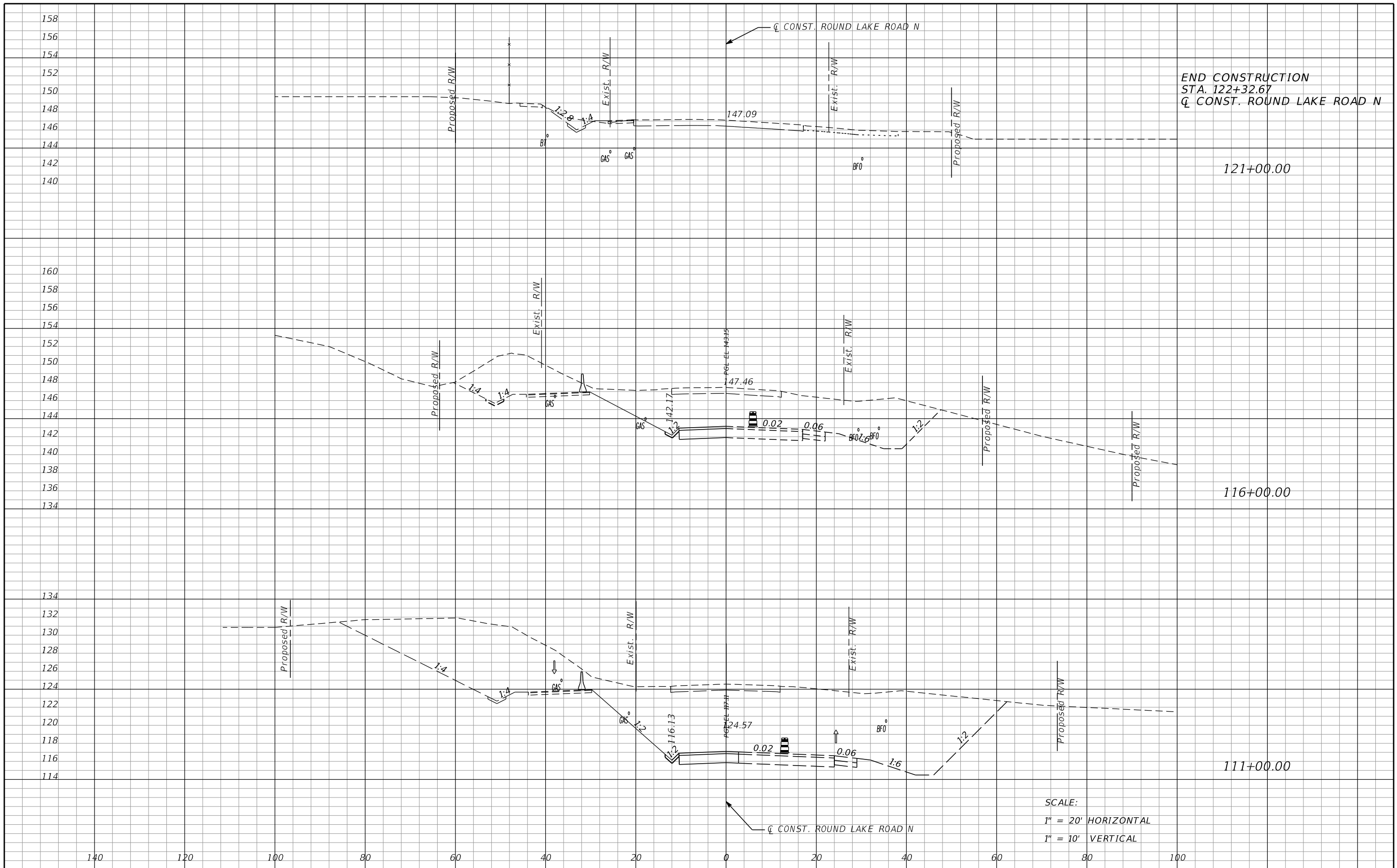
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

BEGIN CONSTRUCTION
 STA. 100+00.00
 Q CONST. ROUND LAKE ROAD S

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC CROSS SECTIONS PHASE 1A - ROUND LAKE RD	SHEET NO. 213
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		



END CONSTRUCTION
 STA. 122+32.67
 CL CONST. ROUND LAKE ROAD N

121+00.00

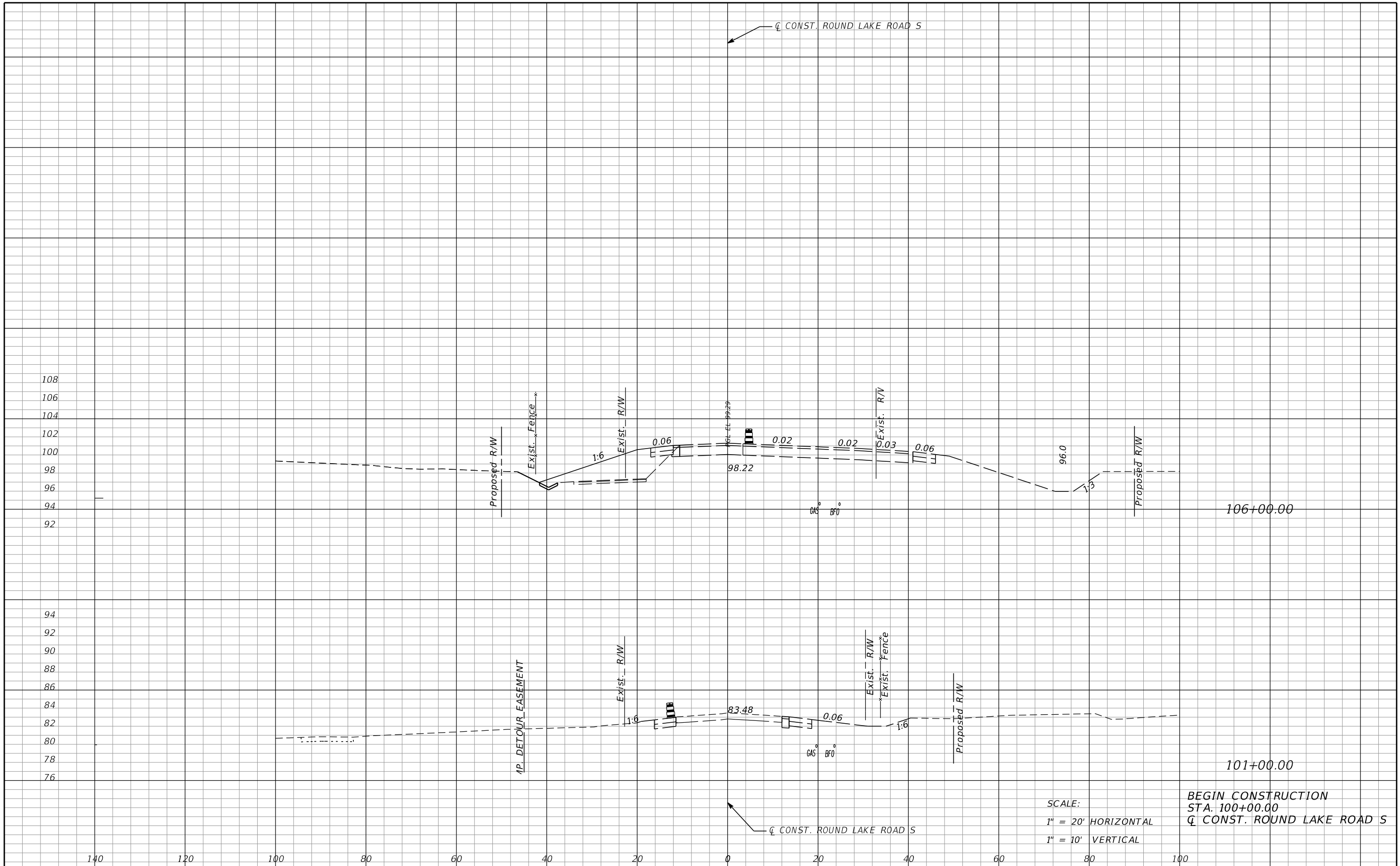
116+00.00

111+00.00

SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC CROSS SECTIONS PHASE 1A - ROUND LAKE RD	SHEET NO. 214
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

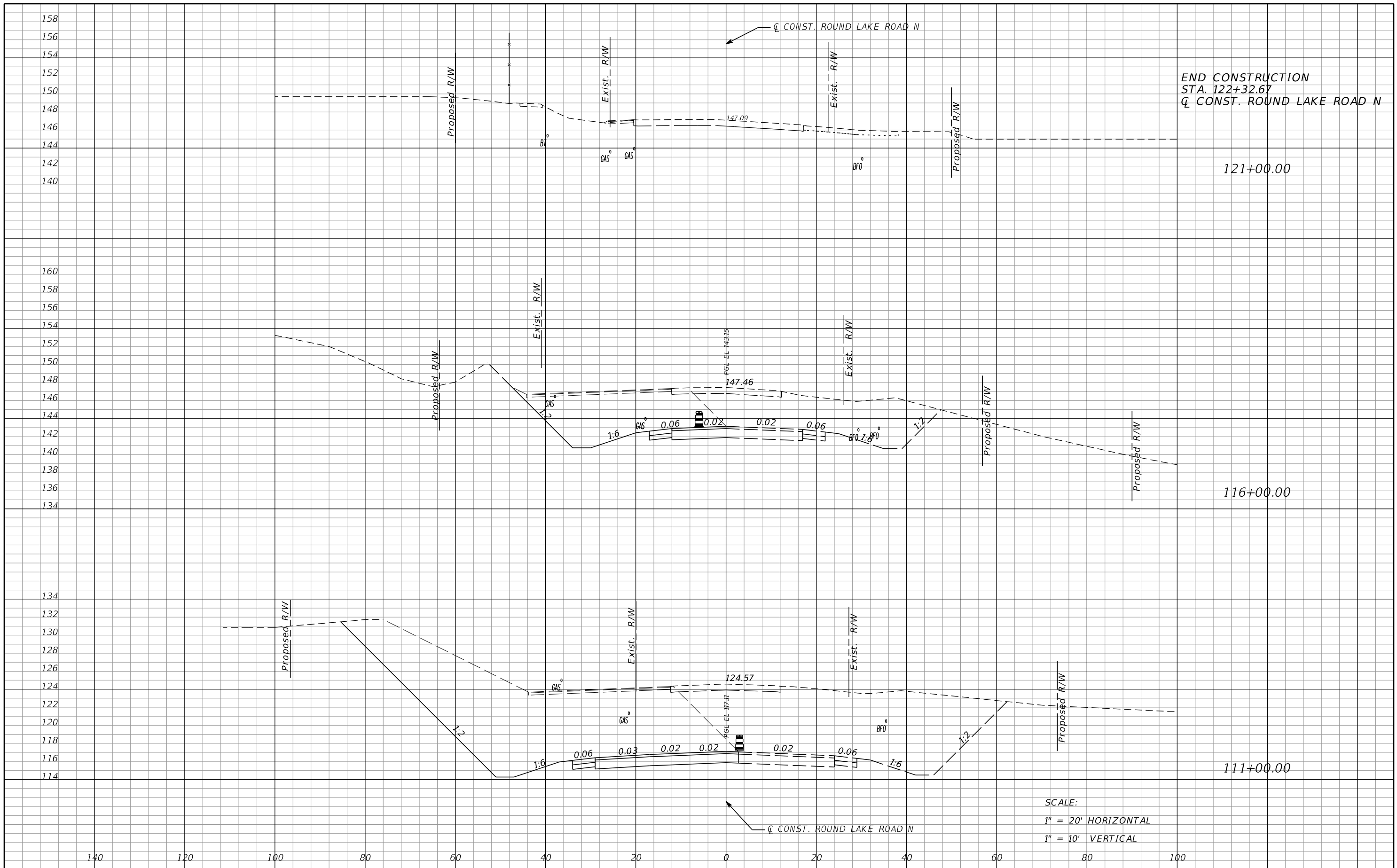
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC CROSS SECTIONS
PHASE 2 - ROUND LAKE RD

SHEET NO.
215

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



END CONSTRUCTION
 STA. 122+32.67
 Q CONST. ROUND LAKE ROAD N

121+00.00

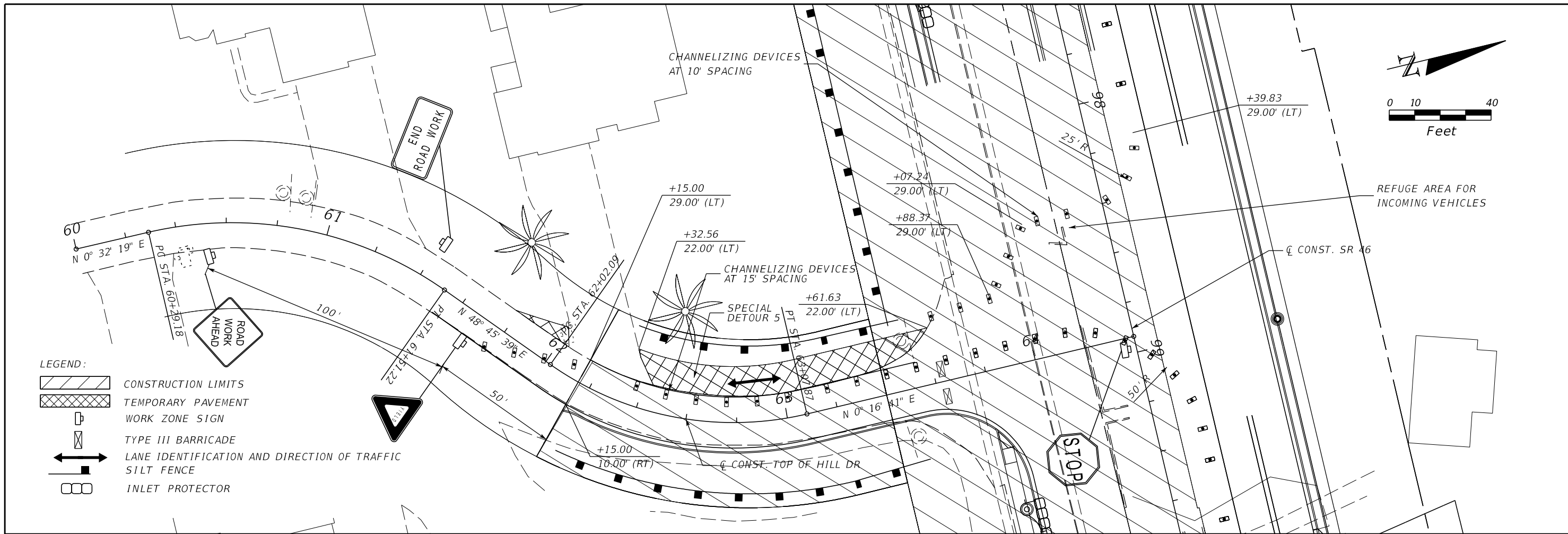
116+00.00

111+00.00

SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC CROSS SECTIONS PHASE 2 - ROUND LAKE RD	SHEET NO. 216
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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



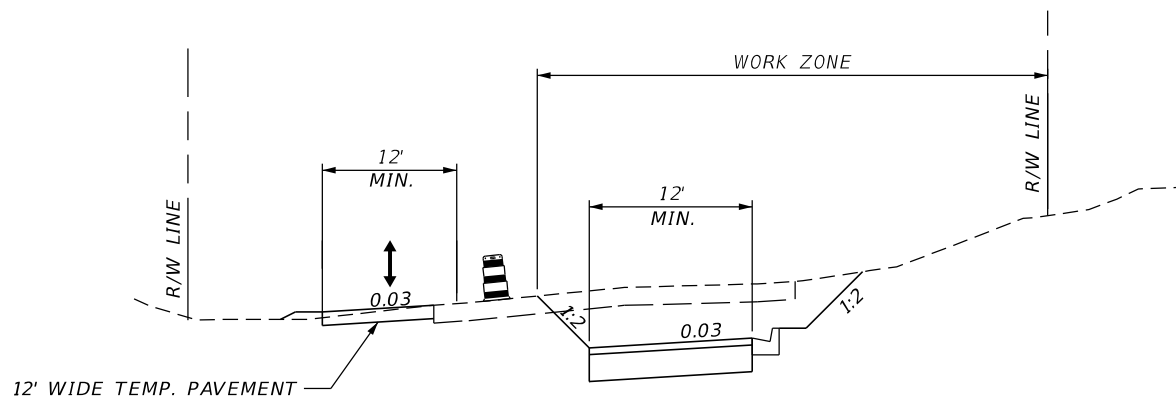
TOP OF HILL GENERAL NOTES

1. ALL PHASES TO BE COORDINATED WITH PHASE 2 OF MAINLINE.
2. FLAGGERS TO BE PRESENT DURING ACTIVE WORK PERIOD. DRIVERS WILL BE ALLOWED AS MUCH SPACE AS POSSIBLE IN THE PROVIDED WORK AREA DURING NON ACTIVE WORK PERIOD. STOP SIGNS WILL BE UTILIZED IN THE NON ACTIVE WORK PERIODS.

TOP OF THE HILL- PHASE 2A

THE INTENT OF THIS PHASE IS TO CONSTRUCT TEMPORARY PAVEMENT ON THE WEST SIDE OF TOP OF THE HILL DRIVE IN ORDER FOR THE CONSTRUCTION OF THE EAST SIDE OF THE ROAD BY ALLOWING TRAFFIC TO TEMPORARILY BE PLACED ON THE TEMPORARY PAVEMENT.

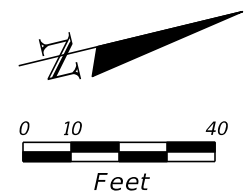
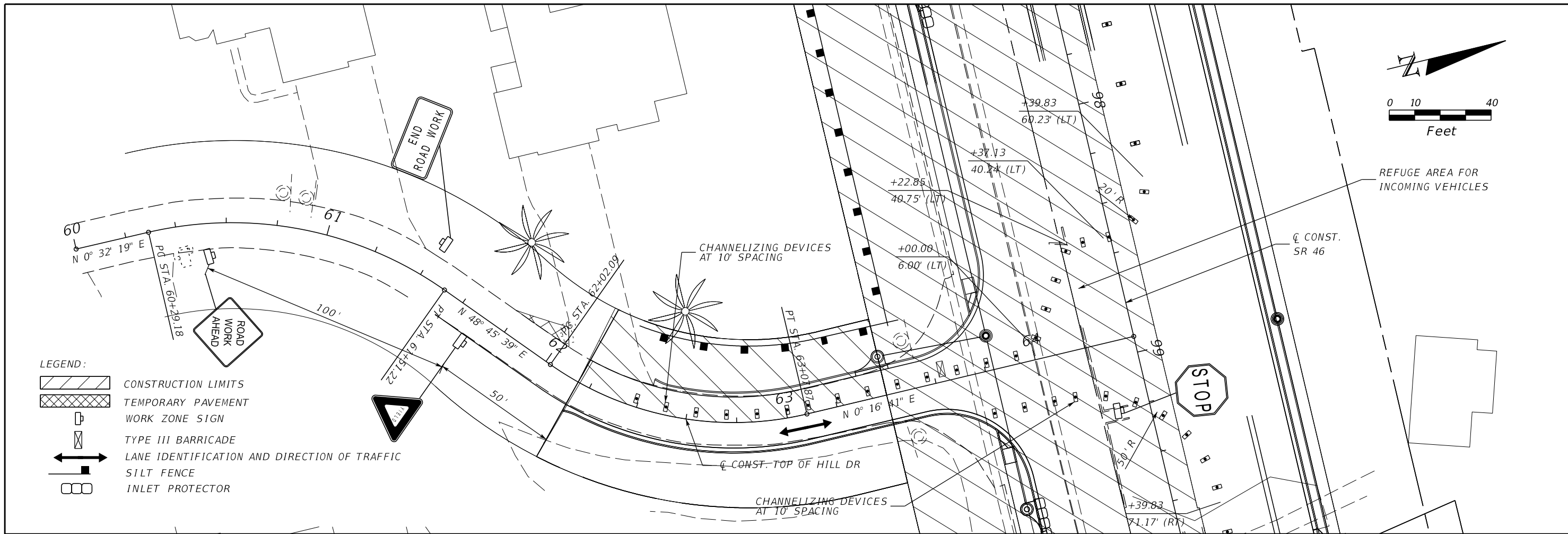
1. PLACE TEMPORARY PAVEMENT ACCORDING TO THE PLANS.
2. PLACE TRAFFIC CONTROL DEVICES PER THE ABOVE PLAN.
3. CONSTRUCT THE PROPOSED NORTHBOUND LANE AS INDICATED IN THE TYPICAL SECTION.
4. ONE LANE TWO WAY TRAFFIC LIMITED TO ONE WEEK (7 DAYS).



PHASE 2A - TOP OF THE HILL

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 217
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01	

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

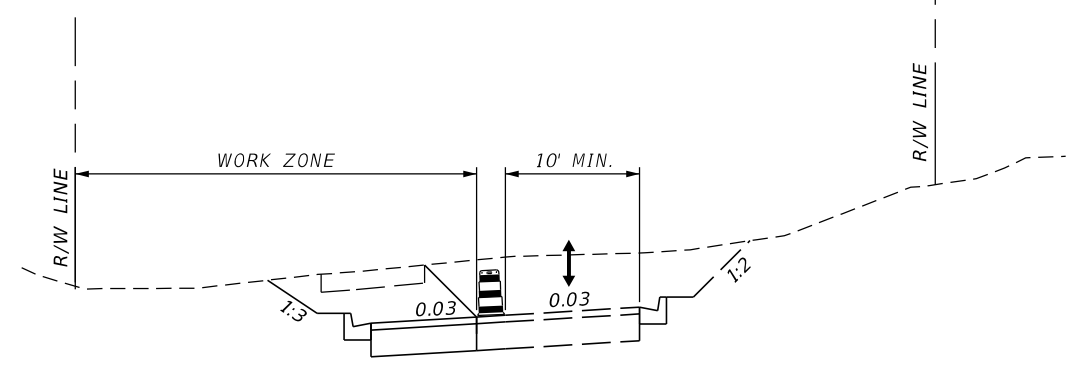


- LEGEND:
- CONSTRUCTION LIMITS
 - TEMPORARY PAVEMENT
 - WORK ZONE SIGN
 - TYPE III BARRICADE
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
 - SILT FENCE
 - INLET PROTECTOR

TOP OF THE HILL- PHASE 2B

THE INTENT OF THIS PHASE IS TO ALLOW TRAFFIC TO BE PLACED ON EAST SIDE OF TOP OF THE HILL DRIVE IN ORDER TO CONSTRUCT THE WEST SIDE OF TOP OF THE HILL DRIVE.

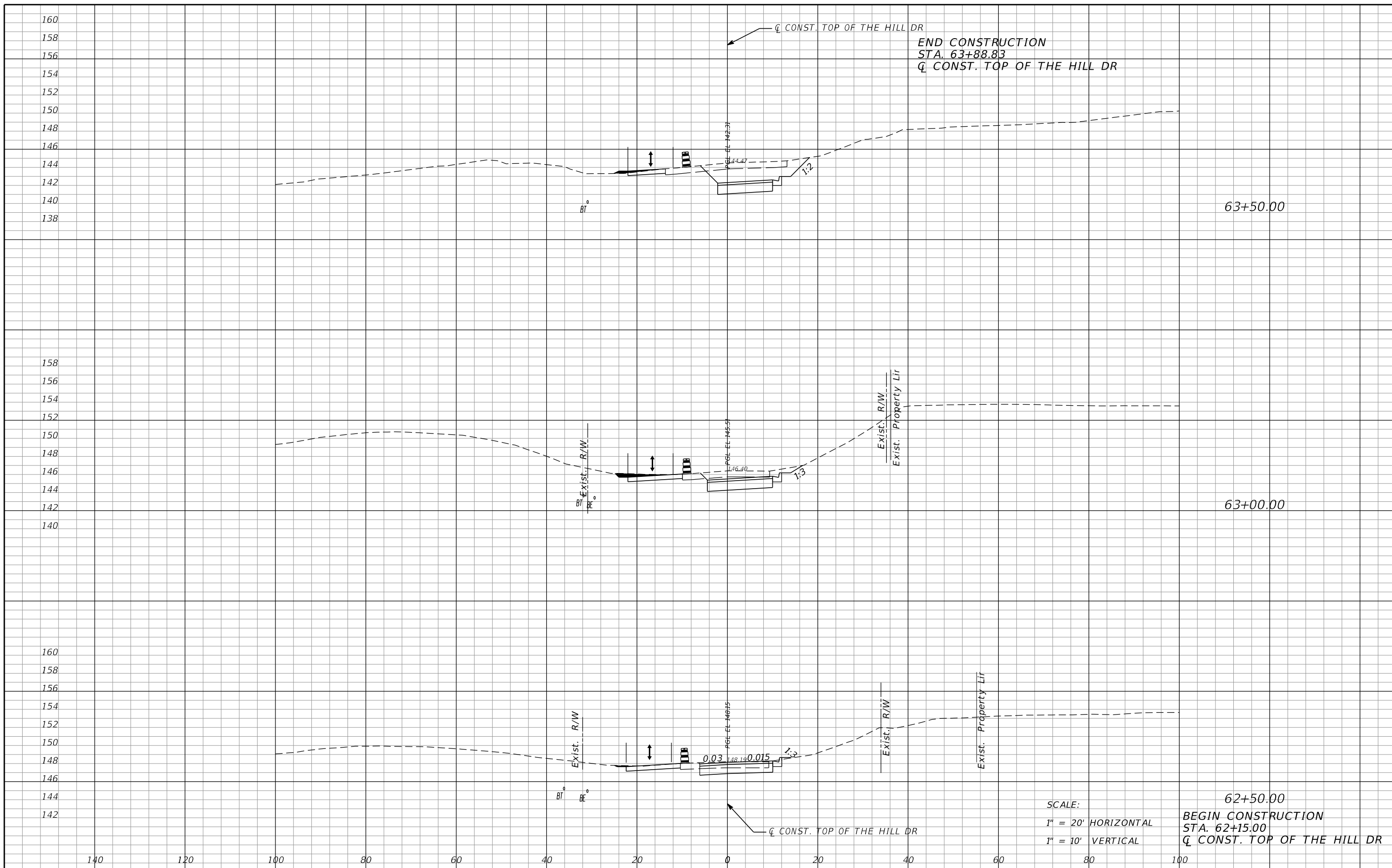
1. PLACE TRAFFIC CONTROL DEVICES PER THE ABOVE PLAN.
2. CONSTRUCT THE PORTIONS OF THE SOUTHBOUND LANES AS INDICATED IN THE TYPICAL SECTION.
3. ONE LANE TWO WAY TRAFFIC LIMITED TO ONE WEEK (7 DAYS).



PHASE 2B - TOP OF THE HILL

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPECIAL DETAIL TOP OF THE HILL DR	SHEET NO. 218
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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

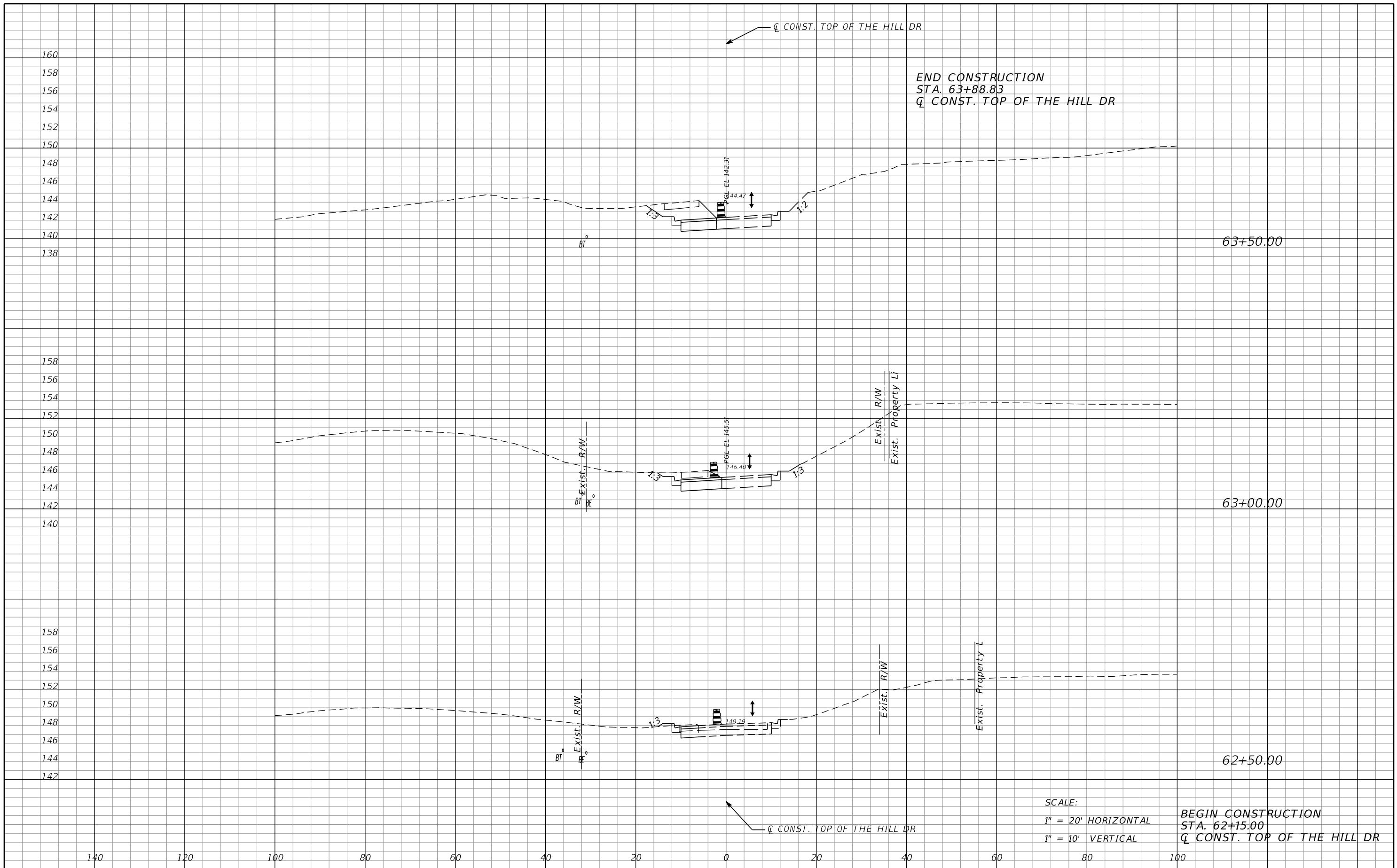


SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

62+50.00
 BEGIN CONSTRUCTION
 STA. 62+15.00
 Q CONST. TOP OF THE HILL DR

REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC CROSS SECTIONS PH 1 - TOP OF THE HILL DR	SHEET NO. 219
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01		

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SCALE:
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

BEGIN CONSTRUCTION
 STA. 62+15.00
 Q CONST. TOP OF THE HILL DR

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MOFFATT & NICHOL
 1025 GREENWOOD BLVD, STE 371
 LAKE MARY, FL 32746
 PHONE (407) 562-2030
 CERT. OF AUTH. NO. 4877

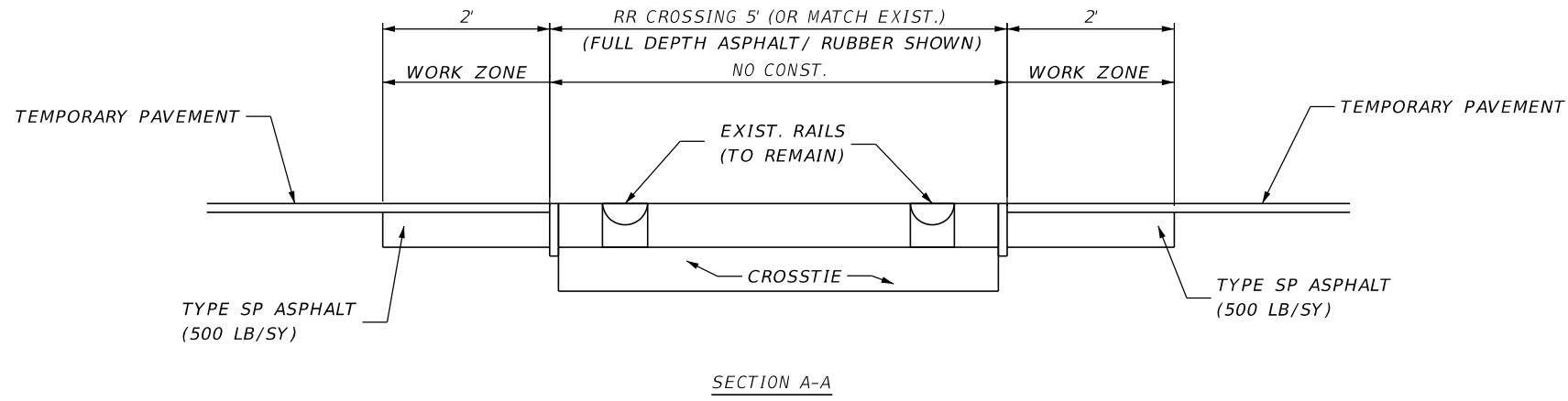
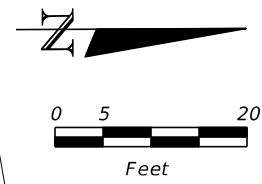
ENGINEER OF RECORD:
 FOREST W. ADKINS, P.E.
 FL REGISTRATION NO. 56003

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC CROSS SECTIONS
PH 2 - TOP OF THE HILL DR

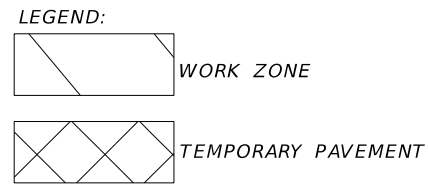
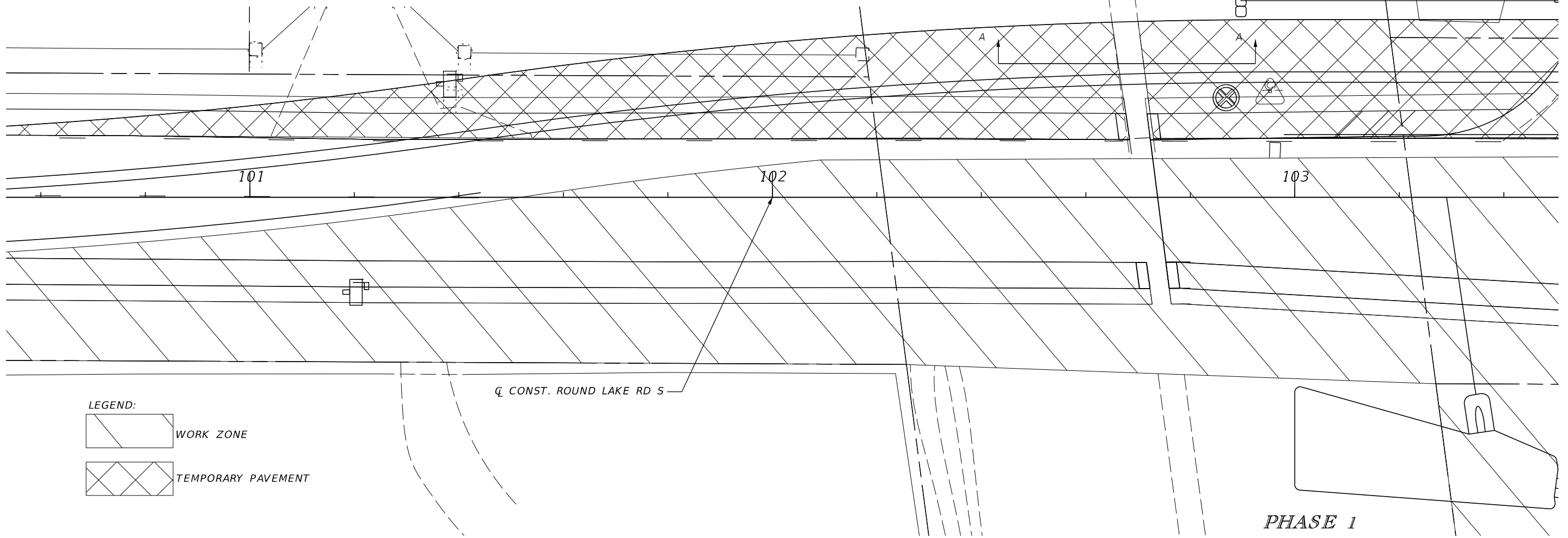
SHEET NO.
 220

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



NOTE:

THIS DETAIL IS FOR THE RAILROAD PAVEMENT INFORMATION ONLY.
SEE PHASE 1 TEMPORARY TRAFFIC CONTROL ROUND LAKE ROAD PLANS
FOR ADDITIONAL INFORMATION.

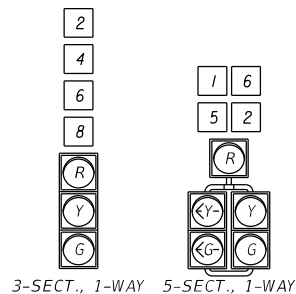


PHASE 1

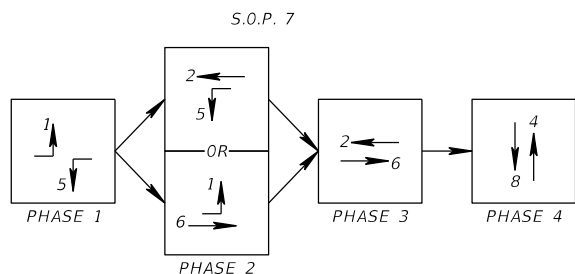
REVISIONS				MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 221
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				ENGINEER OF RECORD: FOREST W. ADKINS, P.E. FL REGISTRATION NO. 56003	46	LAKE	238275-3-52-01	

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

SIGNAL HEAD DETAIL



MOVEMENT DIAGRAM



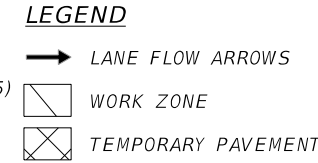
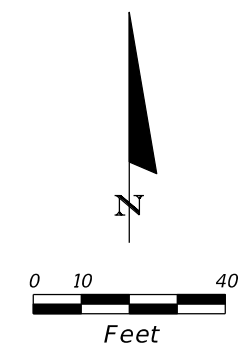
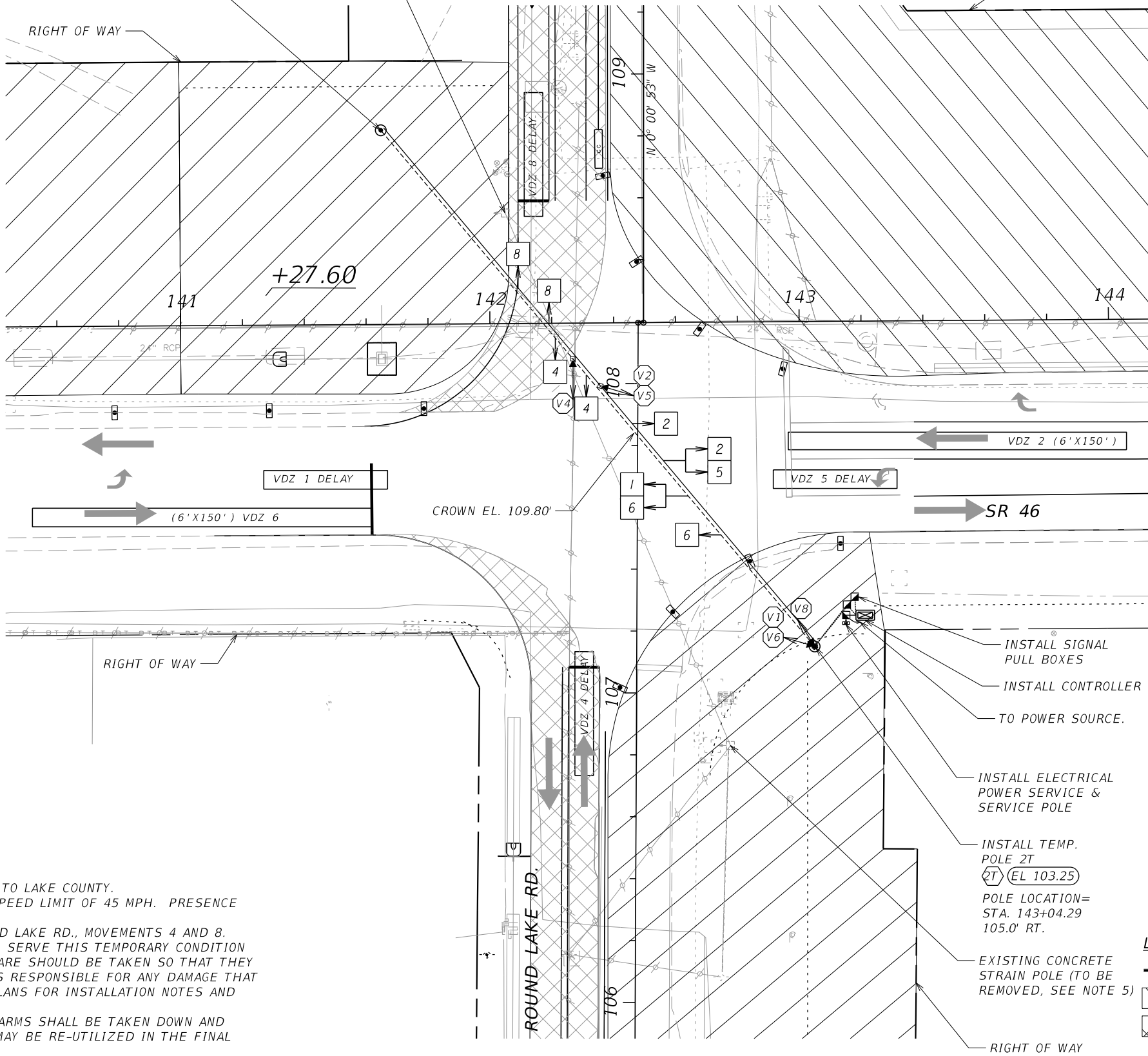
CONTROLLER TIMINGS

TIMING FUNCTION								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
MINIMUM GREEN	5	15	-	5	5	15	-	5
EXTENSION	3.0	2.5	-	3.0	3.0	2.5	-	3.0
MAXIMUM GREEN 1	20	50	-	20	20	50	-	20
MAXIMUM GREEN 2	-	-	-	-	-	-	-	-
YELLOW CLEARANCE	2.5	5.1	-	5.1	3.5	5.1	-	5.1
ALL RED	2.0	2.0	-	2.0	2.0	2.0	-	2.0
PEDESTRIAN WALK	-	-	-	-	-	-	-	-
PED. CLEARANCE	-	-	-	-	-	-	-	-
RECALL	-	MIN	-	-	-	MIN	-	-

NOTES:

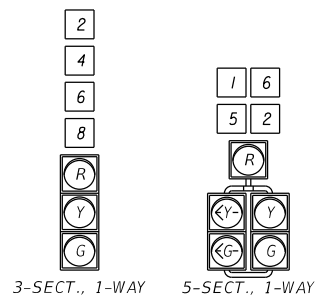
1. REMOVE EXISTING SIGNAL HEADS AND CONTROLLER ASSEMBLY AND RETURN TO LAKE COUNTY.
2. ADVANCED VIDEO DETECTION ZONES PLACEMENT IS BASED ON A POSTED SPEED LIMIT OF 45 MPH. PRESENCE DETECTION ZONES SHALL BE 6'X40' AND EXTEND 5' OVER THE STOP BARS.
3. MAJOR STREET IS SR 46, MOVEMENTS 2 AND 6 AND MINOR STREET IS ROUND LAKE RD., MOVEMENTS 4 AND 8.
4. INSTALL PROPOSED CONTROLLER AND METER FROM FINAL CONFIGURATION TO SERVE THIS TEMPORARY CONDITION (SEE SIGNAL PLANS SHEET T-4) AND CONNECT TO THE NEW POWER SOURCE. CARE SHOULD BE TAKEN SO THAT THEY ARE NOT DAMAGED DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THAT OCCURS DUE TO CONSTRUCTION ACTIVITIES. REFER TO THE SIGNALIZATION PLANS FOR INSTALLATION NOTES AND DETAILS.
5. EXISTING INTERNALLY ILLUMINATED STREET NAME SIGNS AND CANTILEVER ARMS SHALL BE TAKEN DOWN AND STORED IN A LOCATION WHERE THEY WILL NOT GET DAMAGED SO THAT THEY MAY BE RE-UTILIZED IN THE FINAL SIGNAL CONFIGURATION.

INSTALL TEMP. POLE 1T
 (1T) (EL 110.80)
 POLE LOCATION= STA. 141+65.17 62.7' LT.

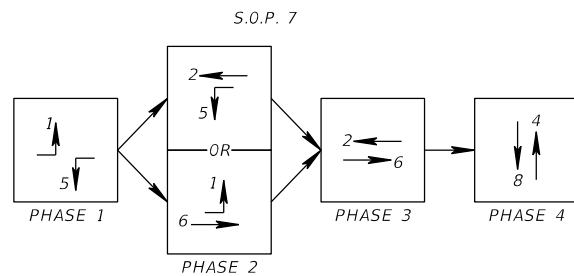


REVISIONS				KATHRYN L. LEE, P.E. P.E. LICENSE NUMBER 62420 VANASSE HANGEN BRUSTLIN, INC. 225 E. ROBINSON STREET, SUITE 300 LANDMARK CENTER TWO ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 3932	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC SIGNALIZATION PHASE 1	SHEET NO. 222
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

SIGNAL HEAD DETAIL



MOVEMENT DIAGRAM

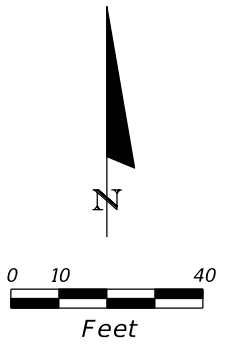
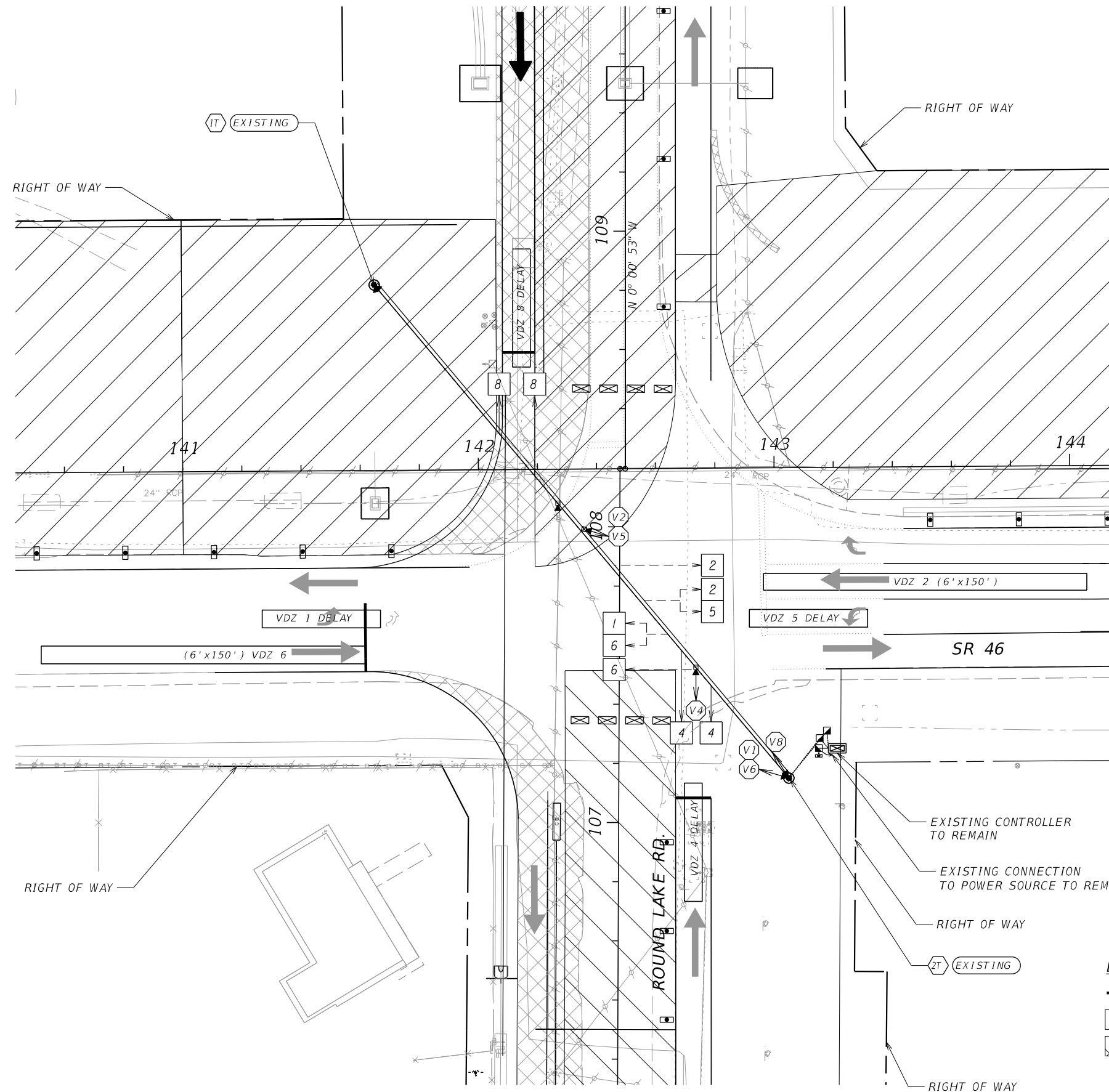


CONTROLLER TIMINGS

TIMING FUNCTION									
MOVEMENT NUMBER	1	2	3	4	5	6	7	8	
MINIMUM GREEN	5	15	-	5	5	15	-	5	
EXTENSION	3.0	2.5	-	3.0	3.0	2.5	-	3.0	
MAXIMUM GREEN 1	20	50	-	20	20	50	-	20	
MAXIMUM GREEN 2	-	-	-	-	-	-	-	-	
YELLOW CLEARANCE	3.5	5.1	-	5.1	3.5	5.1	-	5.1	
ALL RED	2.8	2.0	-	2.0	2.8	2.0	-	2.0	
PEDESTRIAN WALK	-	-	-	-	-	-	-	-	
PED. CLEARANCE	-	-	-	-	-	-	-	-	
RECALL	-	MIN	-	-	-	MIN	-	-	

NOTES:

- ADJUST VIDEO DETECTION ZONES AND RELOCATE SIGNAL HEADS AS SHOWN ON THIS PHASE FROM PHASE 1A.
- ADVANCED VIDEO DETECTION ZONES PLACEMENT IS BASED ON A POSTED SPEED LIMIT OF 45 MPH. PRESENCE DETECTION ZONES SHALL BE 6'X40' AND EXTEND 5' OVER THE STOP BARS.
- MAJOR STREET IS SR 46, MOVEMENTS 2 AND 6 AND MINOR STREET IS ROUND LAKE RD., MOVEMENTS 4 AND 8.
- MAINTAIN EXISTING CONTROLLER, METER AND POWER SOURCE INSTALLED FROM PHASE 1. CARE SHOULD BE TAKEN SO THAT THEY ARE NOT DAMAGED DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THAT OCCURS DUE TO CONSTRUCTION ACTIVITIES. REFER TO THE SIGNALIZATION PLANS FOR INSTALLATION NOTES AND DETAILS.

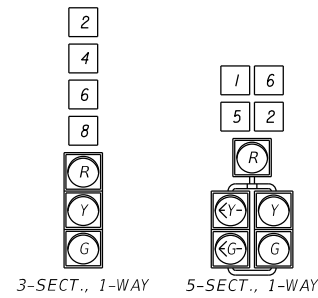


LEGEND

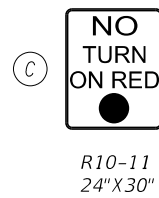
- LANE FLOW ARROWS
- ▨ WORK ZONE
- ⊠ TEMPORARY PAVEMENT

REVISIONS				KATHRYN L. LEE, P.E. P.E. LICENSE NUMBER 62420 VANASSE HANGEN BRUSTLIN, INC. 225 E. ROBINSON STREET, SUITE 300 LANDMARK CENTER TWO ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 3932	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC SIGNALIZATION PHASE 1A	SHEET NO. 223
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

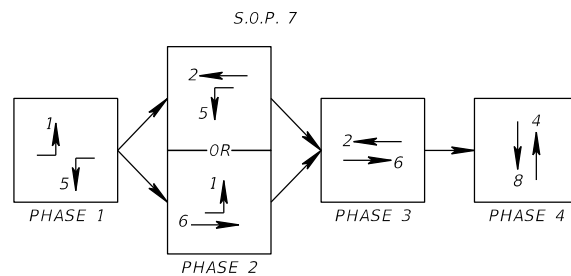
SIGNAL HEAD DETAIL



SIGN DETAIL



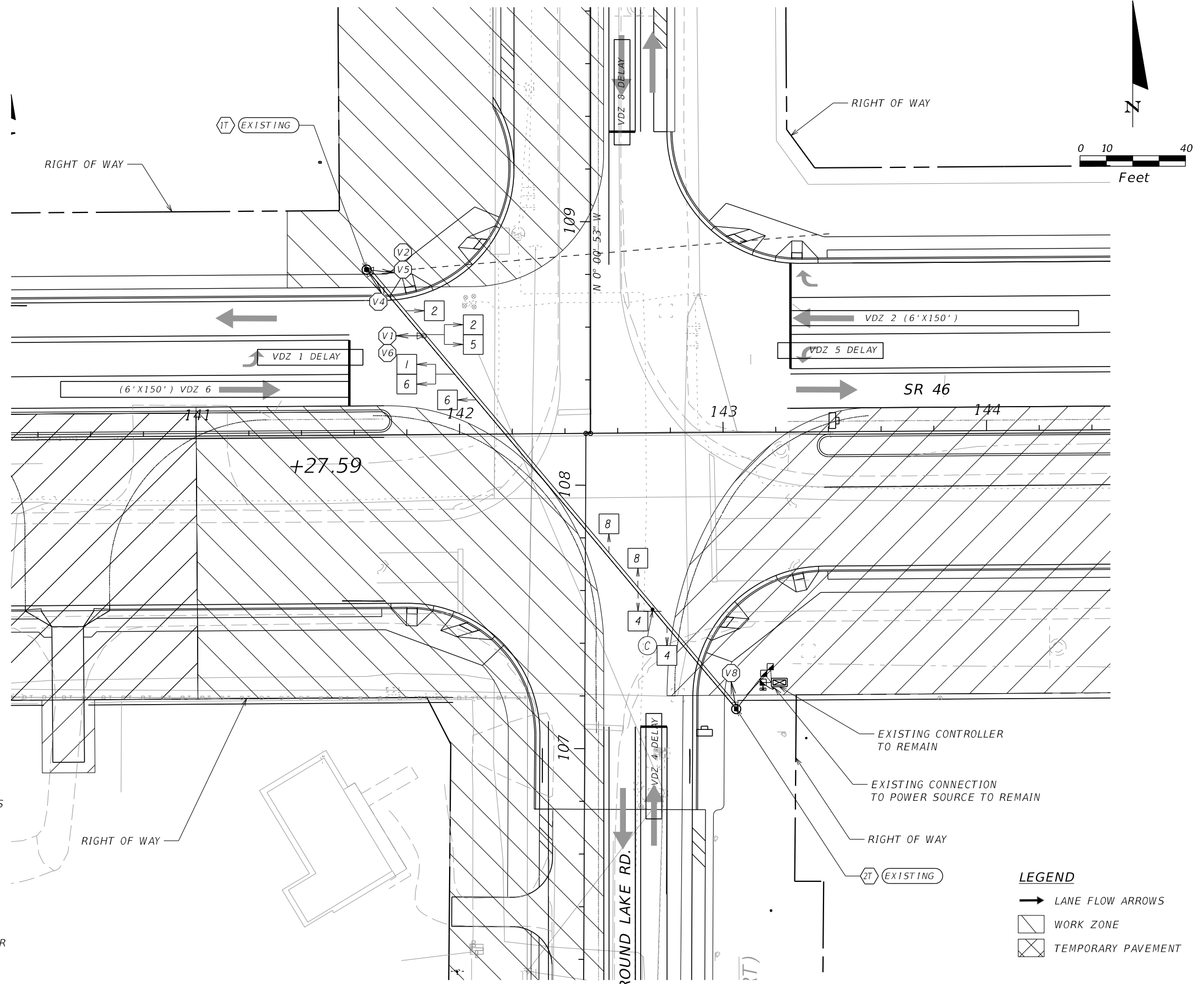
MOVEMENT DIAGRAM



CONTROLLER TIMINGS

TIMING FUNCTION		1	2	3	4	5	6	7	8
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
MINIMUM GREEN		5	15	-	5	5	15	-	5
EXTENSION		3.0	2.5	-	3.0	3.0	2.5	-	3.0
MAXIMUM GREEN 1		20	50	-	20	20	50	-	20
MAXIMUM GREEN 2		-	-	-	-	-	-	-	-
YELLOW CLEARANCE		3.5	5.1	-	5.1	3.5	5.1	-	5.1
ALL RED		3.1	2.3	-	2.8	3.1	2.3	-	2.8
PEDESTRIAN WALK		-	-	-	-	-	-	-	-
PED. CLEARANCE		-	-	-	-	-	-	-	-
RECALL		-	MIN	-	-	-	MIN	-	-

- NOTES:
- ADJUST VIDEO DETECTION ZONES AND RELOCATE SIGNAL HEADS AS SHOWN ON THIS PHASE FROM PHASE 1A.
 - ADVANCED VIDEO DETECTION ZONES PLACEMENT IS BASED ON A POSTED SPEED LIMIT OF 45 MPH. PRESENCE DETECTION ZONES SHALL BE 6'X40' AND EXTEND 5' OVER THE STOP BARS.
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LEGEND

- LANE FLOW ARROWS
- ▨ WORK ZONE
- ▣ TEMPORARY PAVEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KATHRYN L. LEE, P.E.
P.E. LICENSE NUMBER 62420
VANASSE HANGEN BRUSTLIN, INC.
225 E. ROBINSON STREET, SUITE 300
LANDMARK CENTER TWO
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 3932

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

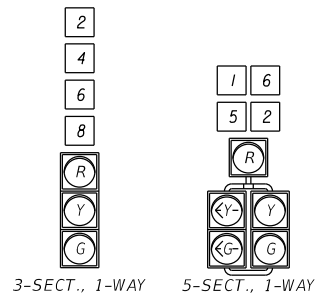
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC SIGNALIZATION
PHASE 2

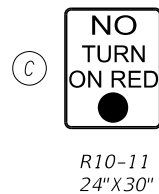
SHEET NO.

224

SIGNAL HEAD DETAIL

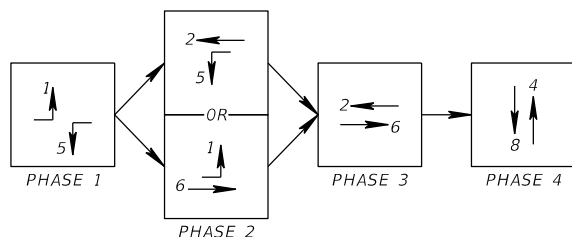


SIGN DETAIL



MOVEMENT DIAGRAM

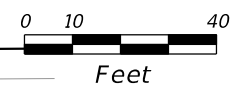
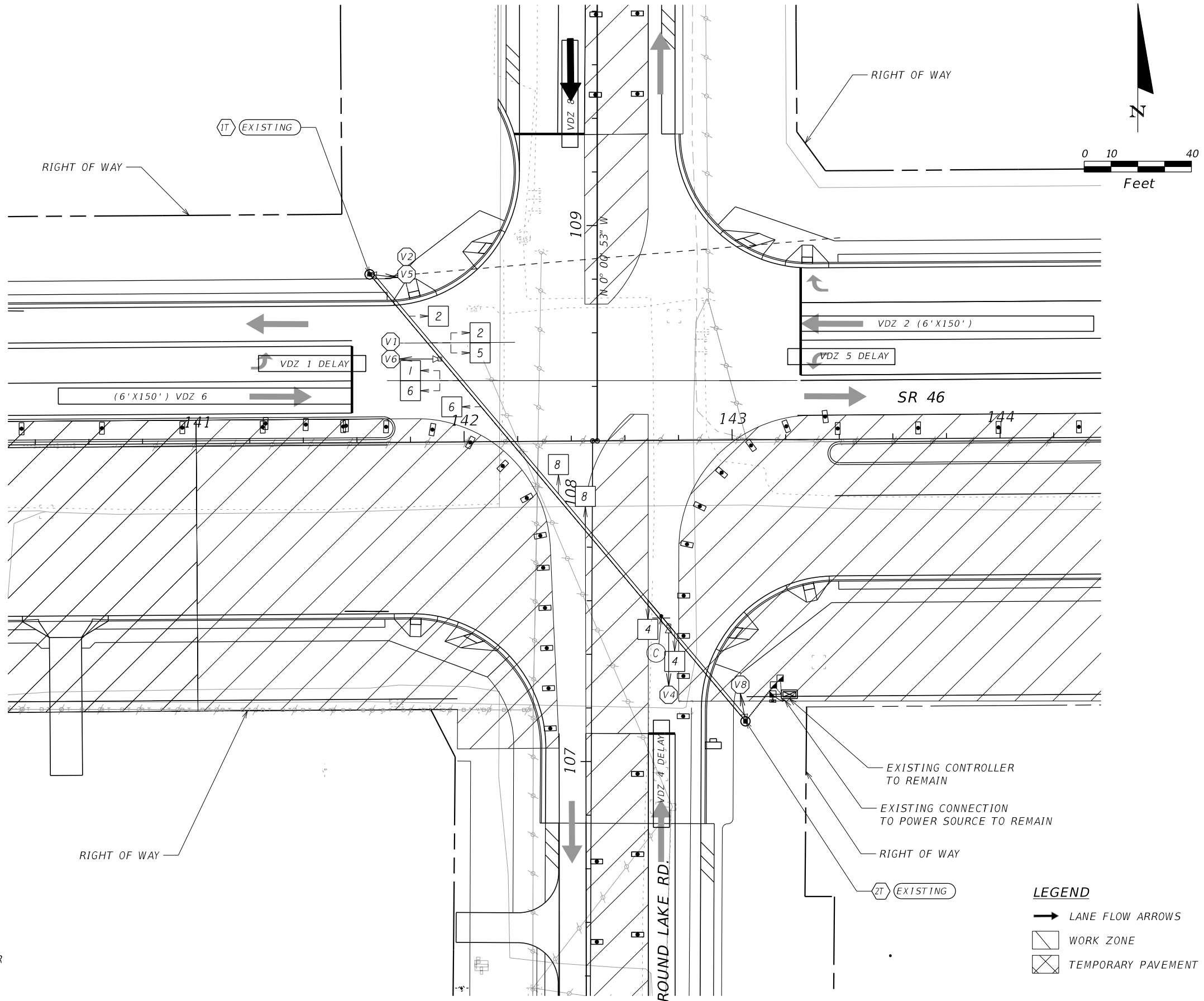
S.O.P. 7



CONTROLLER TIMINGS

TIMING FUNCTION		1	2	3	4	5	6	7	8
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
MINIMUM GREEN		5	15	-	5	5	15	-	5
EXTENSION		3.0	2.5	-	3.0	3.0	2.5	-	3.0
MAXIMUM GREEN 1		20	50	-	20	20	50	-	20
MAXIMUM GREEN 2		-	-	-	-	-	-	-	-
YELLOW CLEARANCE		3.5	5.1	-	5.1	3.5	5.1	-	5.1
ALL RED		3.1	2.1	-	2.7	3.1	2.1	-	2.7
PEDESTRIAN WALK		-	-	-	-	-	-	-	-
PED. CLEARANCE		-	-	-	-	-	-	-	-
RECALL		-	MIN	-	-	-	MIN	-	-

- NOTES:
- ADJUST VIDEO DETECTION ZONES AND RELOCATE SIGNAL HEADS AS SHOWN ON THIS PHASE FROM PHASE 1A.
 - ADVANCED VIDEO DETECTION ZONES PLACEMENT IS BASED ON A POSTED SPEED LIMIT OF 45 MPH. PRESENCE DETECTION ZONES SHALL BE 6'X40' AND EXTEND 5' OVER THE STOP BARS.
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

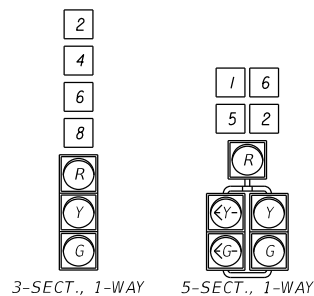
KATHRYN L. LEE, P.E.
P.E. LICENSE NUMBER 62420
VANASSE HANGEN BRUSTLIN, INC.
225 E. ROBINSON STREET, SUITE 300
LANDMARK CENTER TWO
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 3932

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC SIGNALIZATION
PHASE 2A

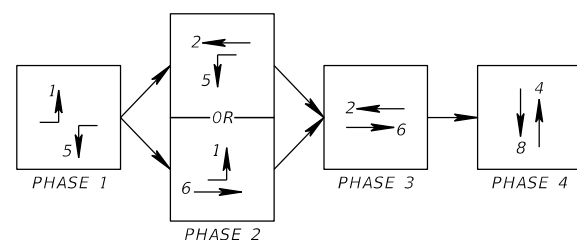
SHEET NO.
225

SIGNAL HEAD DETAIL



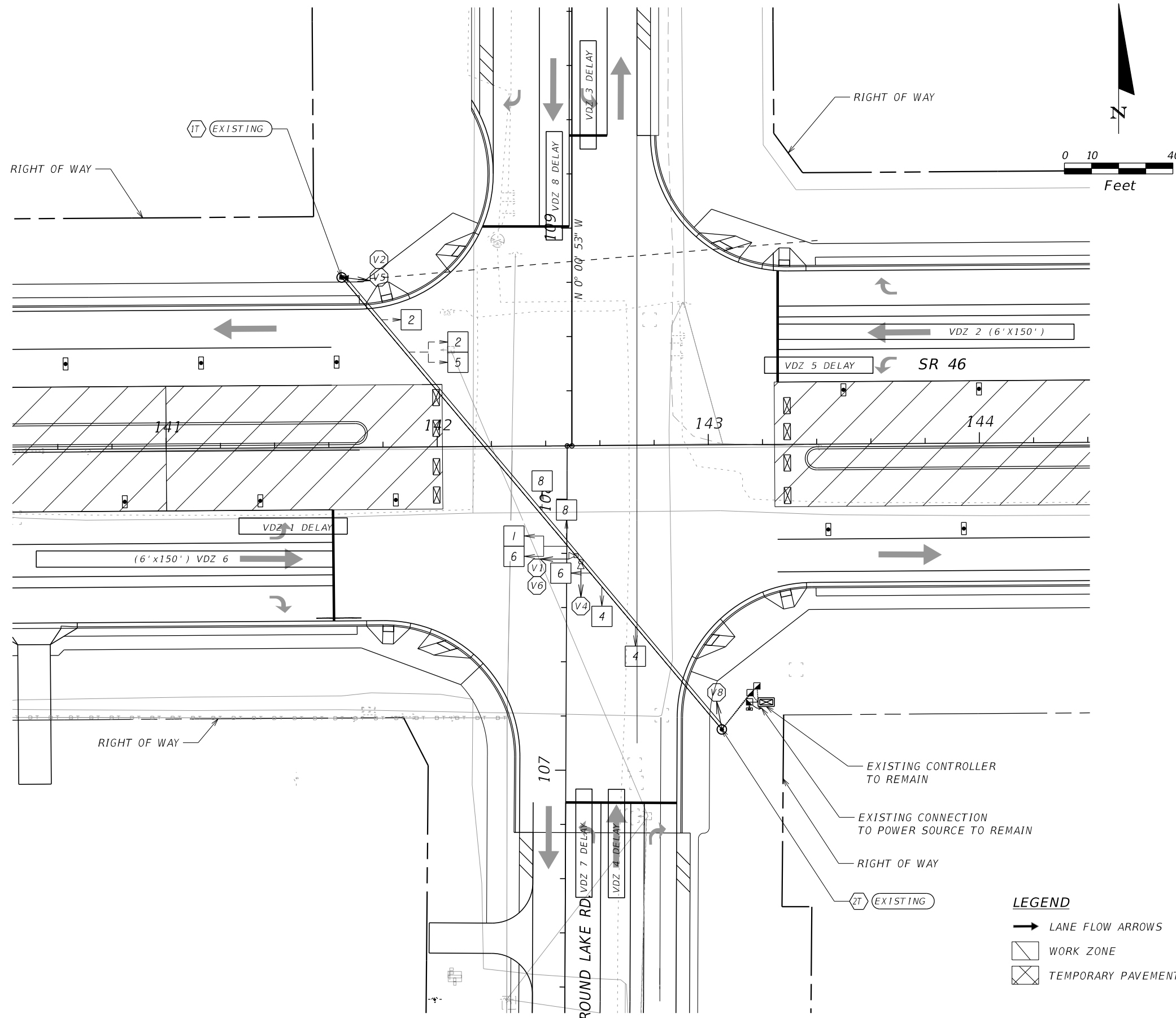
MOVEMENT DIAGRAM

S.O.P. 7



CONTROLLER TIMINGS								
TIMING FUNCTION								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
MINIMUM GREEN	5	15	-	5	5	15	-	5
EXTENSION	3.0	2.5	-	3.0	3.0	2.5	-	3.0
MAXIMUM GREEN 1	20	50	-	20	20	50	-	20
MAXIMUM GREEN 2	-	-	-	-	-	-	-	-
YELLOW CLEARANCE	3.5	5.1	-	5.1	3.5	5.1	-	5.1
ALL RED	4.3	2.0	-	3.1	4.3	2.0	-	3.1
PEDESTRIAN WALK	-	-	-	-	-	-	-	-
PED. CLEARANCE	-	-	-	-	-	-	-	-
RECALL	-	MIN	-	-	-	MIN	-	-

- NOTES:
- ADJUST VIDEO DETECTION ZONES AND RELOCATE SIGNAL HEADS AS SHOWN ON THIS PHASE FROM PHASE 1A.
 - ADVANCED VIDEO DETECTION ZONES PLACEMENT IS BASED ON A POSTED SPEED LIMIT OF 45 MPH. PRESENCE DETECTION ZONES SHALL BE 6'X40' AND EXTEND 5' OVER THE STOP BARS.
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LEGEND

- LANE FLOW ARROWS
- ▨ WORK ZONE
- ⊠ TEMPORARY PAVEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

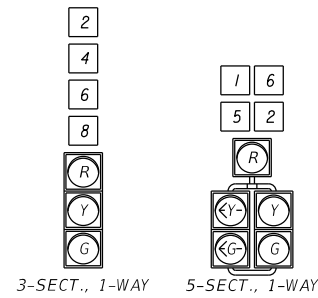
KATHRYN L. LEE, P.E.
 P.E. LICENSE NUMBER 62420
 VANASSE HANGEN BRUSTLIN, INC.
 225 E. ROBINSON STREET, SUITE 300
 LANDMARK CENTER TWO
 ORLANDO, FL 32801
 CERTIFICATE OF AUTHORIZATION 3932

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

TTC SIGNALIZATION
PHASE 3

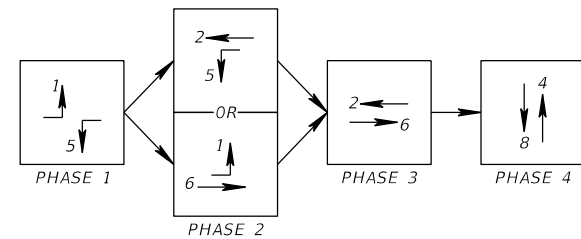
SHEET NO.
 226

SIGNAL HEAD DETAIL



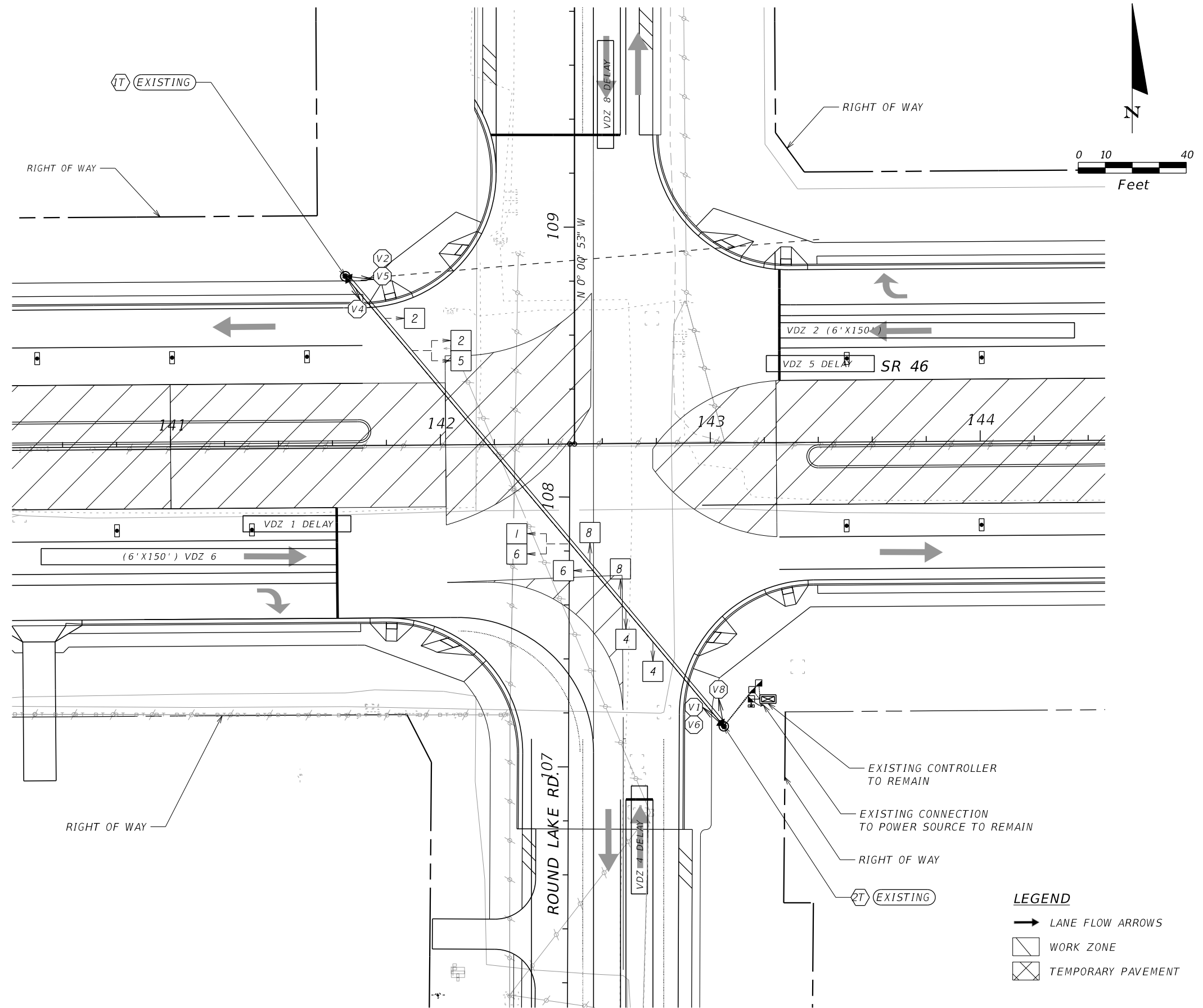
MOVEMENT DIAGRAM

S.O.P. 7



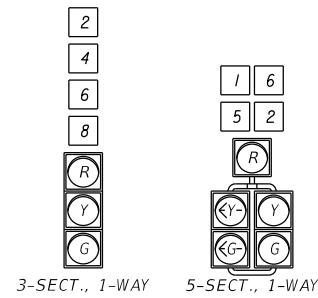
CONTROLLER TIMINGS								
TIMING FUNCTION								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
MINIMUM GREEN	5	15	-	5	5	15	-	5
EXTENSION	3.0	2.5	-	3.0	3.0	2.5	-	3.0
MAXIMUM GREEN 1	20	50	-	20	20	50	-	20
MAXIMUM GREEN 2	-	-	-	-	-	-	-	-
YELLOW CLEARANCE	3.5	5.1	-	5.1	3.5	5.1	-	5.1
ALL RED	4.5	2.0	-	3.1	4.5	2.0	-	3.1
PEDESTRIAN WALK	-	-	-	-	-	-	-	-
PED. CLEARANCE	-	-	-	-	-	-	-	-
RECALL	-	MIN	-	-	-	MIN	-	-

- NOTES:**
- ADJUST VIDEO DETECTION ZONES AND RELOCATE SIGNAL HEADS AS SHOWN ON THIS PHASE FROM PHASE 1A.
 - ADVANCED VIDEO DETECTION ZONES PLACEMENT IS BASED ON A POSTED SPEED LIMIT OF 45 MPH. PRESENCE DETECTION ZONES SHALL BE 6'X40' AND EXTEND 5' OVER THE STOP BARS.
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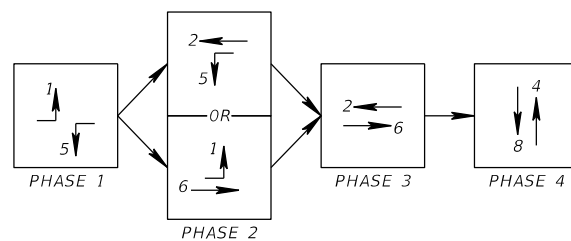
REVISIONS				KATHRYN L. LEE, P.E. P.E. LICENSE NUMBER 62420 VANASSE HANGEN BRUSTLIN, INC. 225 E. ROBINSON STREET, SUITE 300 LANDMARK CENTER TWO ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 3932	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC SIGNALIZATION PHASE 3A	SHEET NO. 227
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

SIGNAL HEAD DETAIL



MOVEMENT DIAGRAM

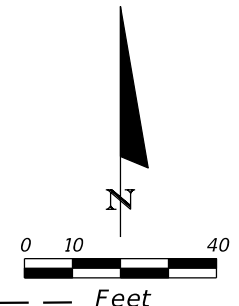
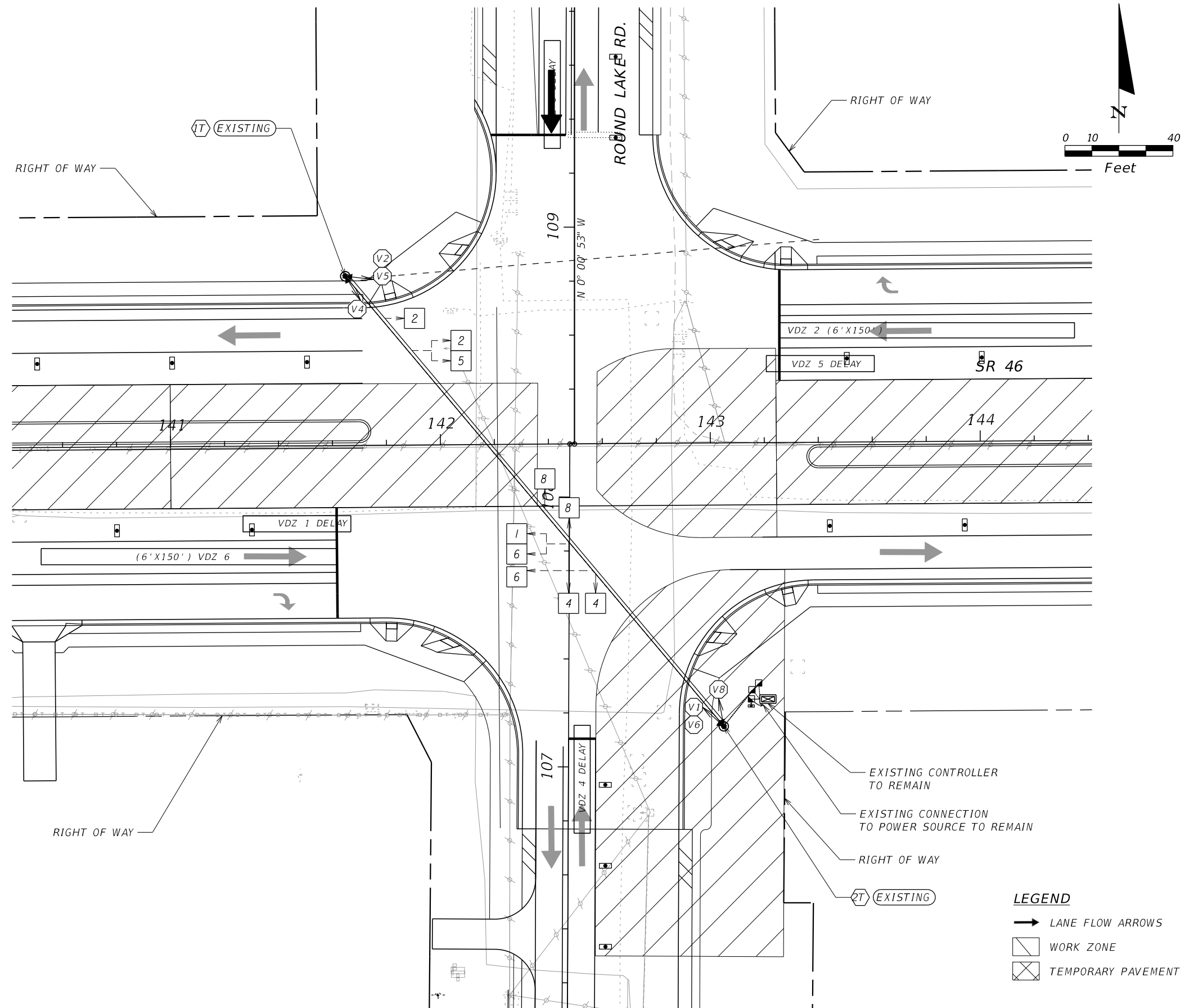
S.O.P. 7



CONTROLLER TIMINGS

TIMING FUNCTION		1	2	3	4	5	6	7	8
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
MINIMUM GREEN		5	15	-	5	5	15	-	5
EXTENSION		3.0	2.5	-	3.0	3.0	2.5	-	3.0
MAXIMUM GREEN 1		20	50	-	20	20	50	-	20
MAXIMUM GREEN 2		-	-	-	-	-	-	-	-
YELLOW CLEARANCE		3.5	5.1	-	5.1	3.5	5.1	-	5.1
ALL RED		4.0	2.0	-	2.8	4.0	2.0	-	2.8
PEDESTRIAN WALK		-	-	-	-	-	-	-	-
PED. CLEARANCE		-	-	-	-	-	-	-	-
RECALL		-	MIN	-	-	-	MIN	-	-

- NOTES:**
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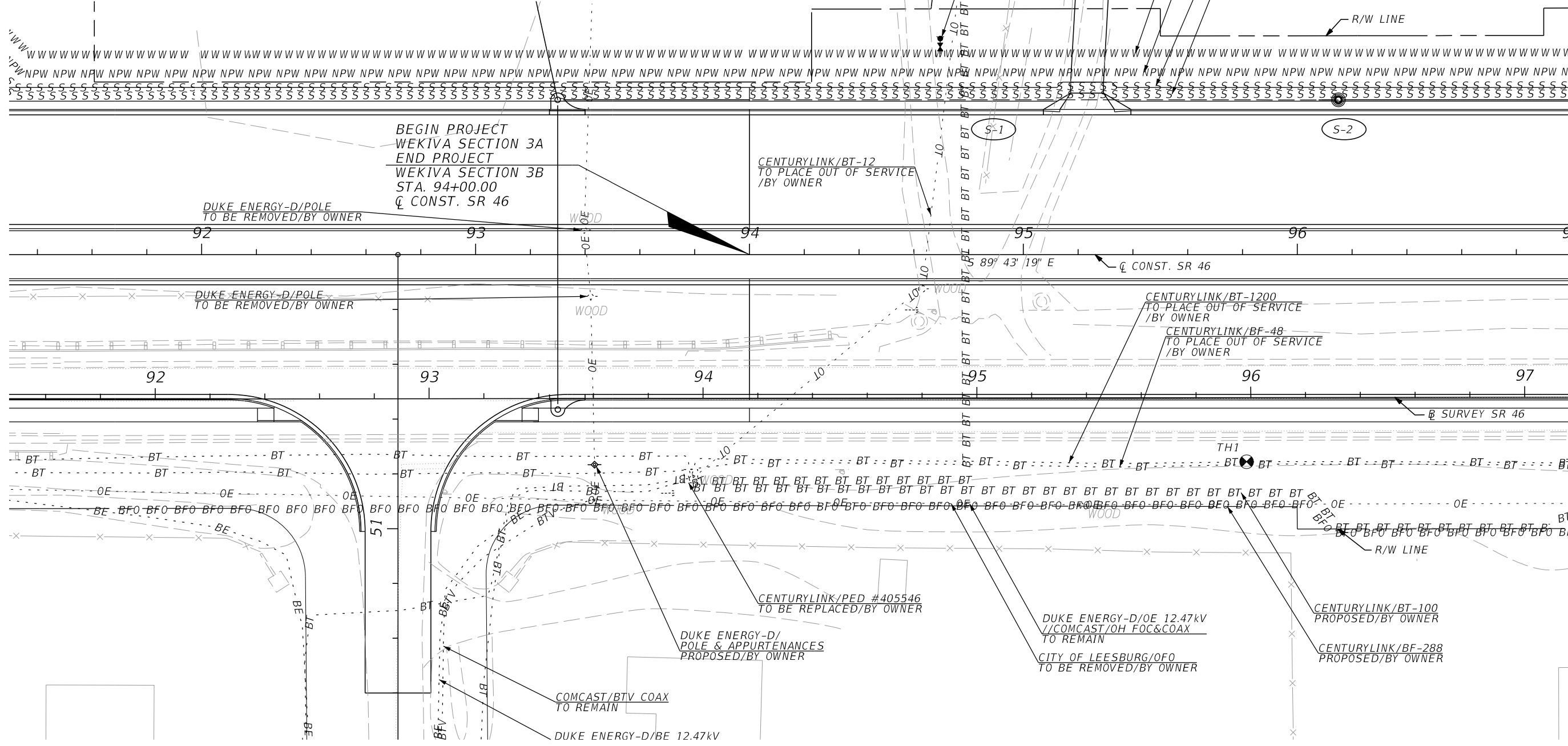


- LEGEND**
- LANE FLOW ARROWS
 - ▨ WORK ZONE
 - ⊠ TEMPORARY PAVEMENT

REVISIONS				KATHRYN L. LEE, P.E. P.E. LICENSE NUMBER 62420 VANASSE HANGEN BRUSTLIN, INC. 225 E. ROBINSON STREET, SUITE 300 LANDMARK CENTER TWO ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 3932	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTC SIGNALIZATION PHASE 3B	SHEET NO. 228
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

GENERAL NOTES:

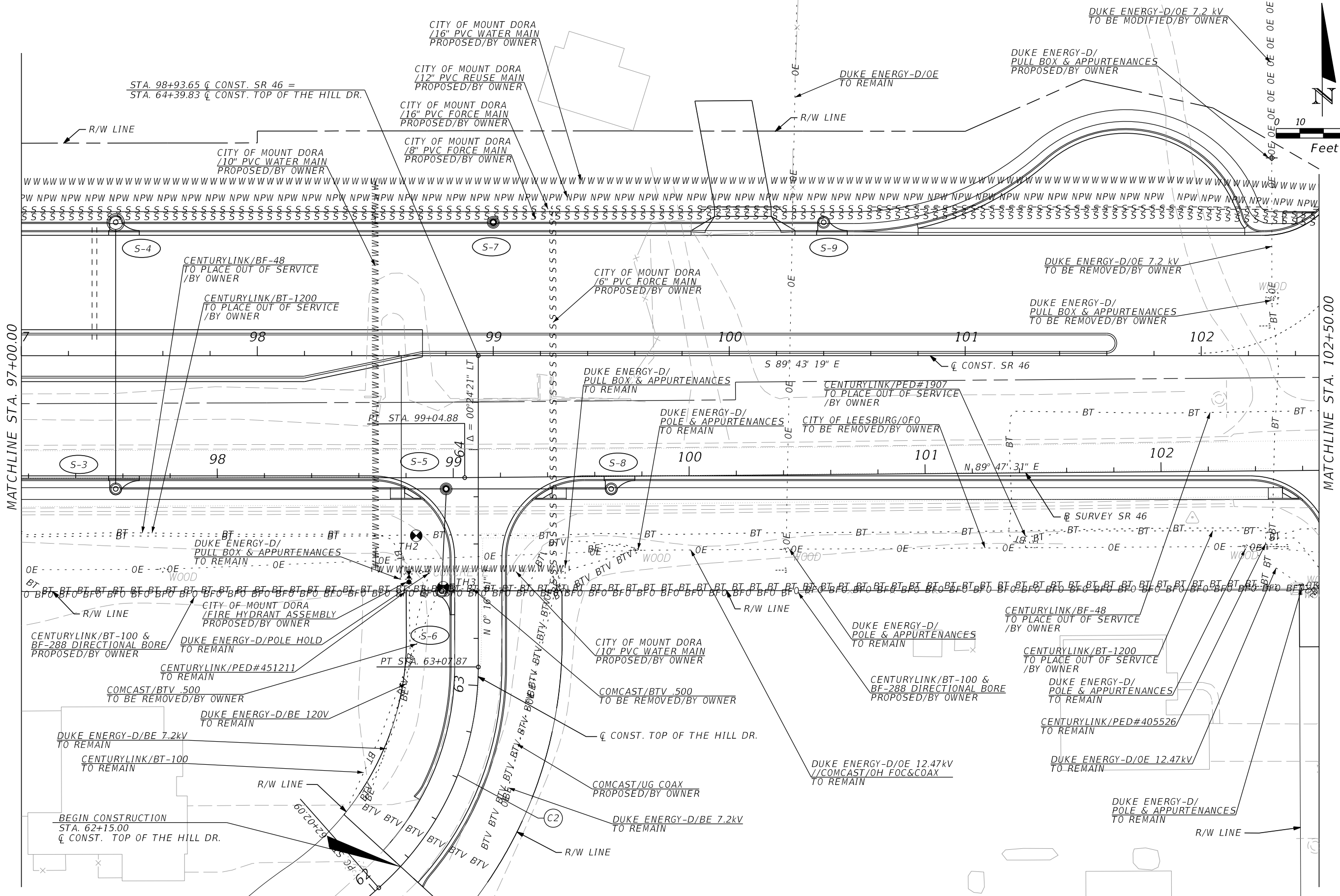
1. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
2. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
3. UTILITY/AGENCY OWNERS: COMPANY TELEPHONE NUMBER:
 CENTURYLINK (407) 881-8383
 CITY OF MOUNT DORA - WATER/SEWER (352) 735-7126
 CITY OF LEESBURG - FIBER OPTIC (352) 435-9440
 COMCAST COMMUNICATIONS (352) 315-8527
 DUKE ENERGY - DISTRIBUTION (407) 942-9553
 DUKE ENERGY - TRANSMISSION (407) 942-9543
 TECO PEOPLES GAS (407) 420-2678
4. ALL STAKING OF PROPOSED CONSTRUCTION TO ALLOW FOR PROPER INSTALLATION/RELOCATION OF UTILITY FACILITIES, AS INDICATED ON THE UTILITY WORK SCHEDULE, SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE IMPACTED UTILITIES AND STAKE THE ITEMS REQUESTED. THIS STAKING SHALL BE SEPARATE AND IN ADDITION TO THE NORMAL STAKING FOR THIS PROJECT. THE COST OF THIS STAKING SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE PROJECT.



MATCHLINE STA. 97+00.00

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (1)	SHEET NO. 229
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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



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

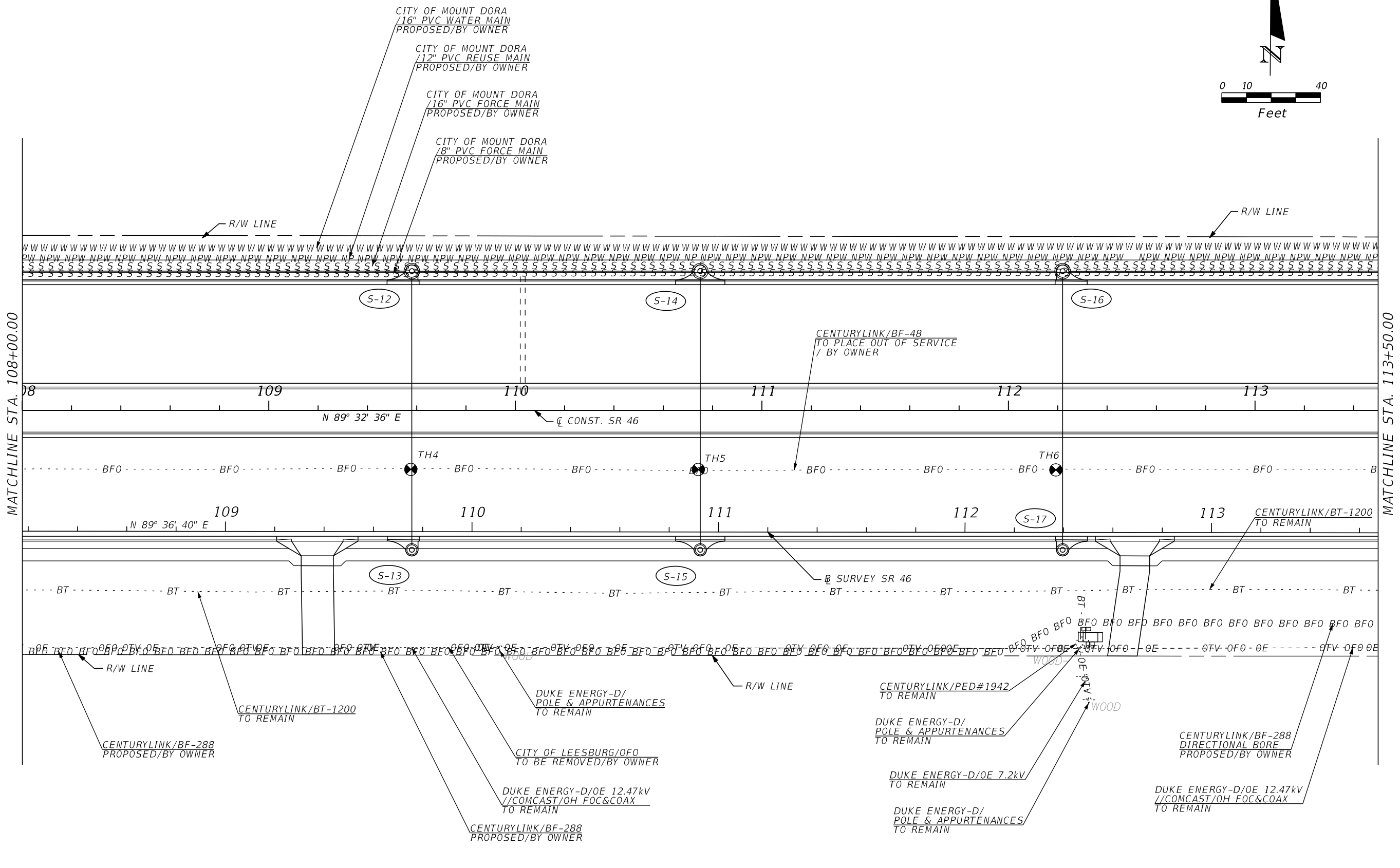
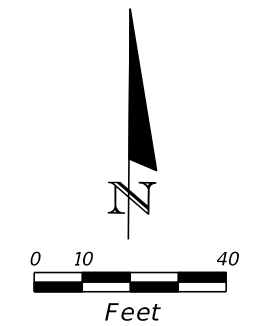
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRETT W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

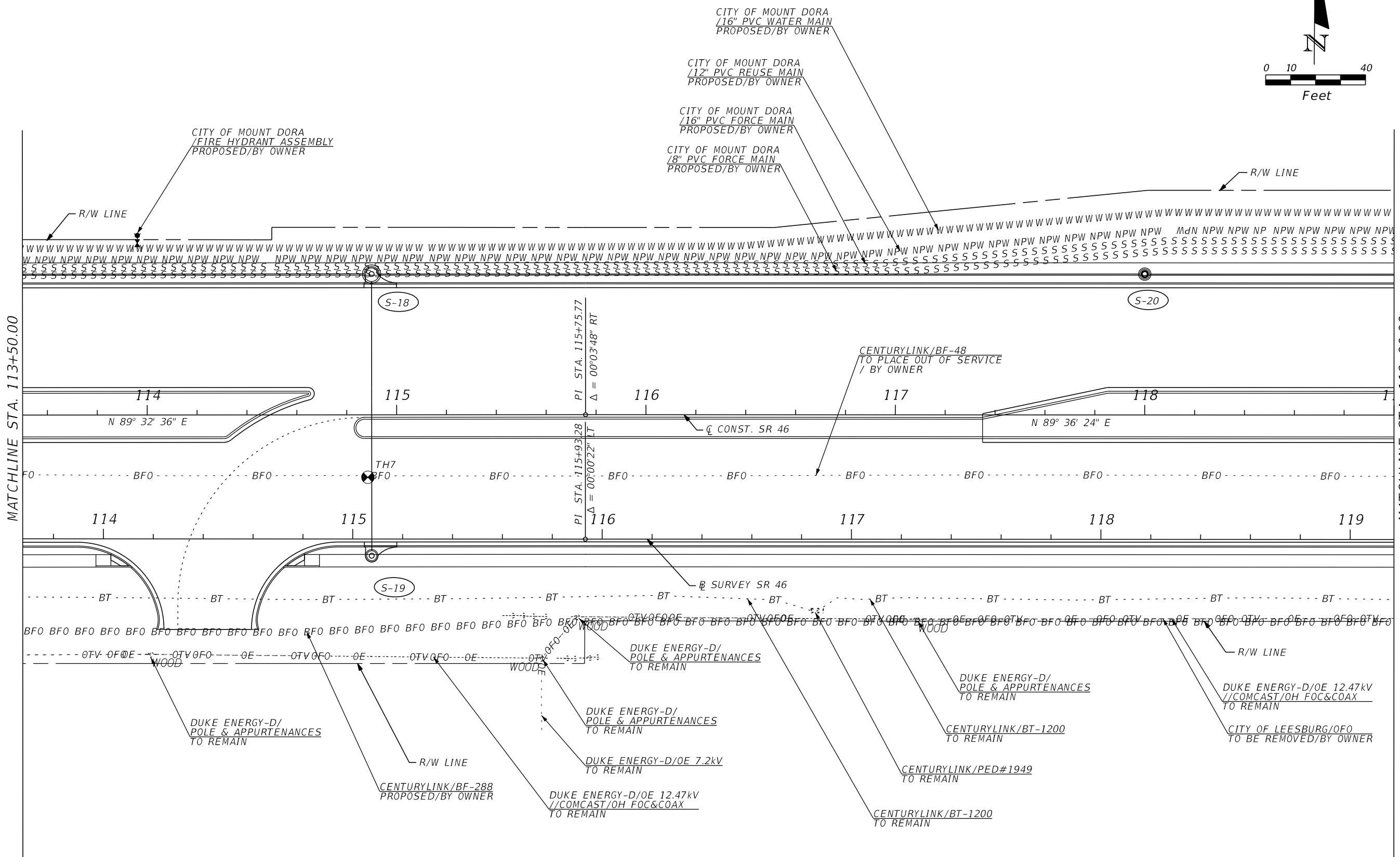
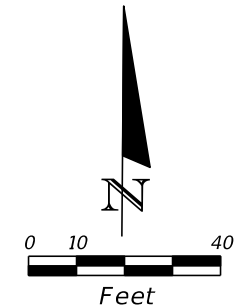
UTILITY ADJUSTMENTS
PLAN SHEET (2)

SHEET NO.
230



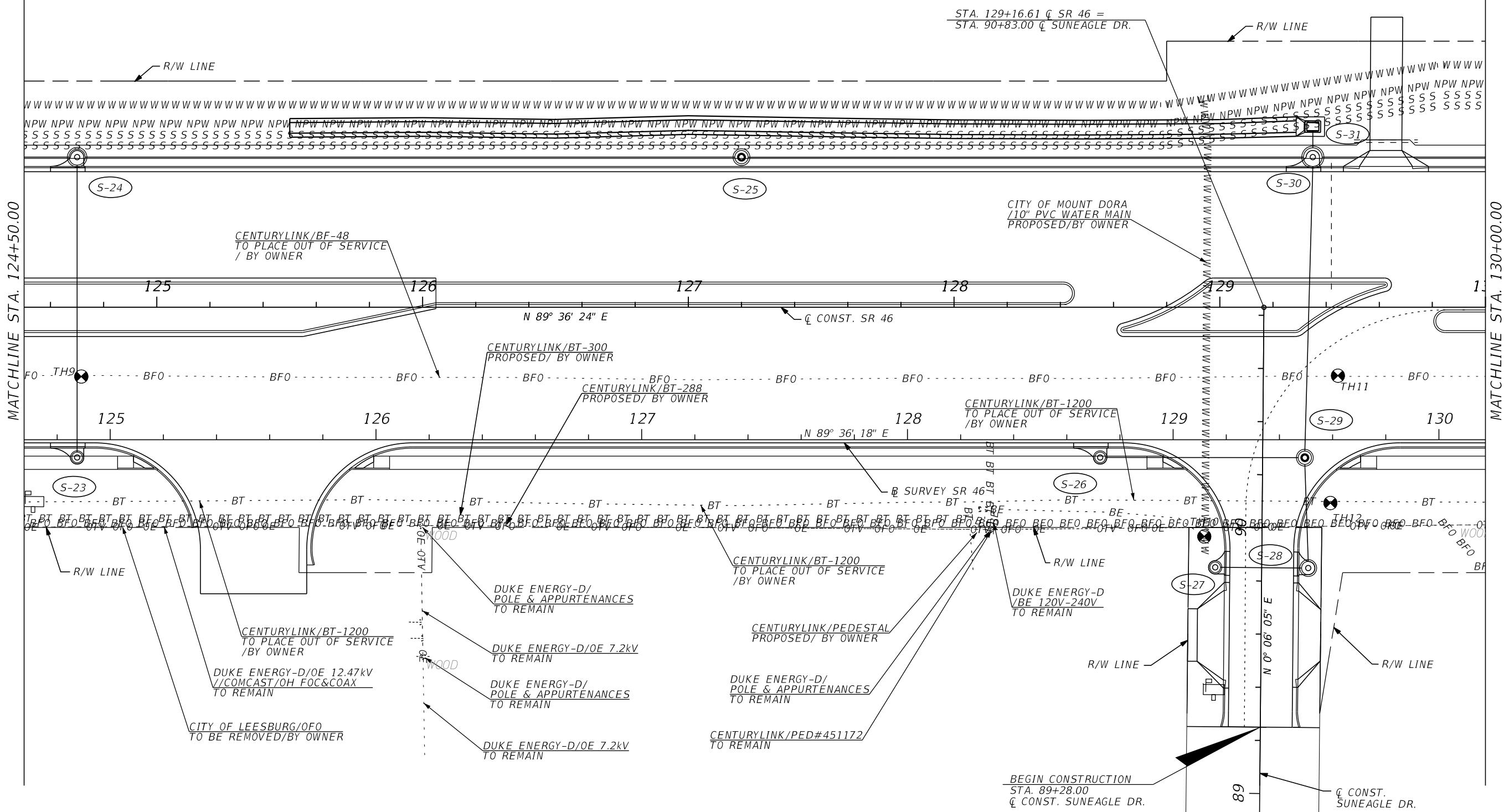
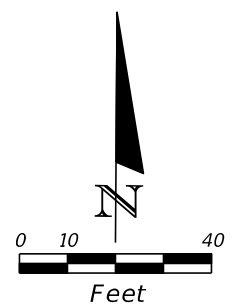
REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (4)	SHEET NO. 232
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (5)	SHEET NO. 233
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

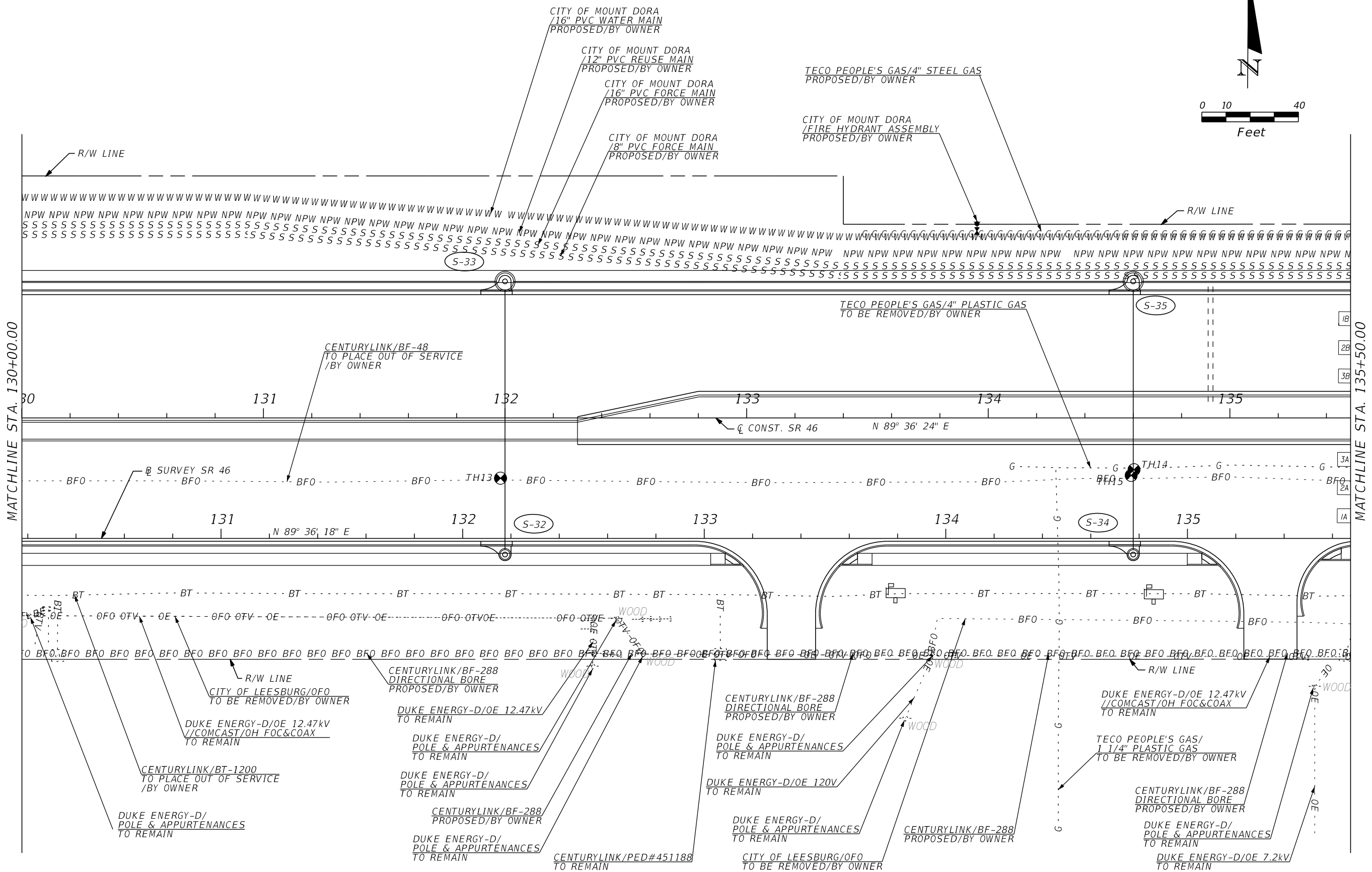
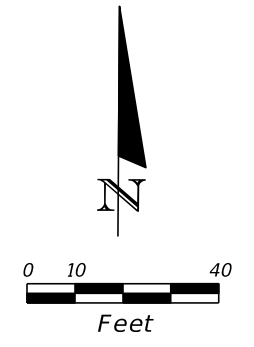
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

UTILITY ADJUSTMENTS
PLAN SHEET (7)

SHEET NO.
 235

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

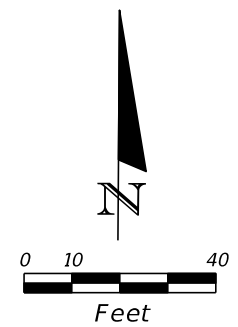


MATCHLINE STA. 130+00.00

MATCHLINE STA. 135+50.00

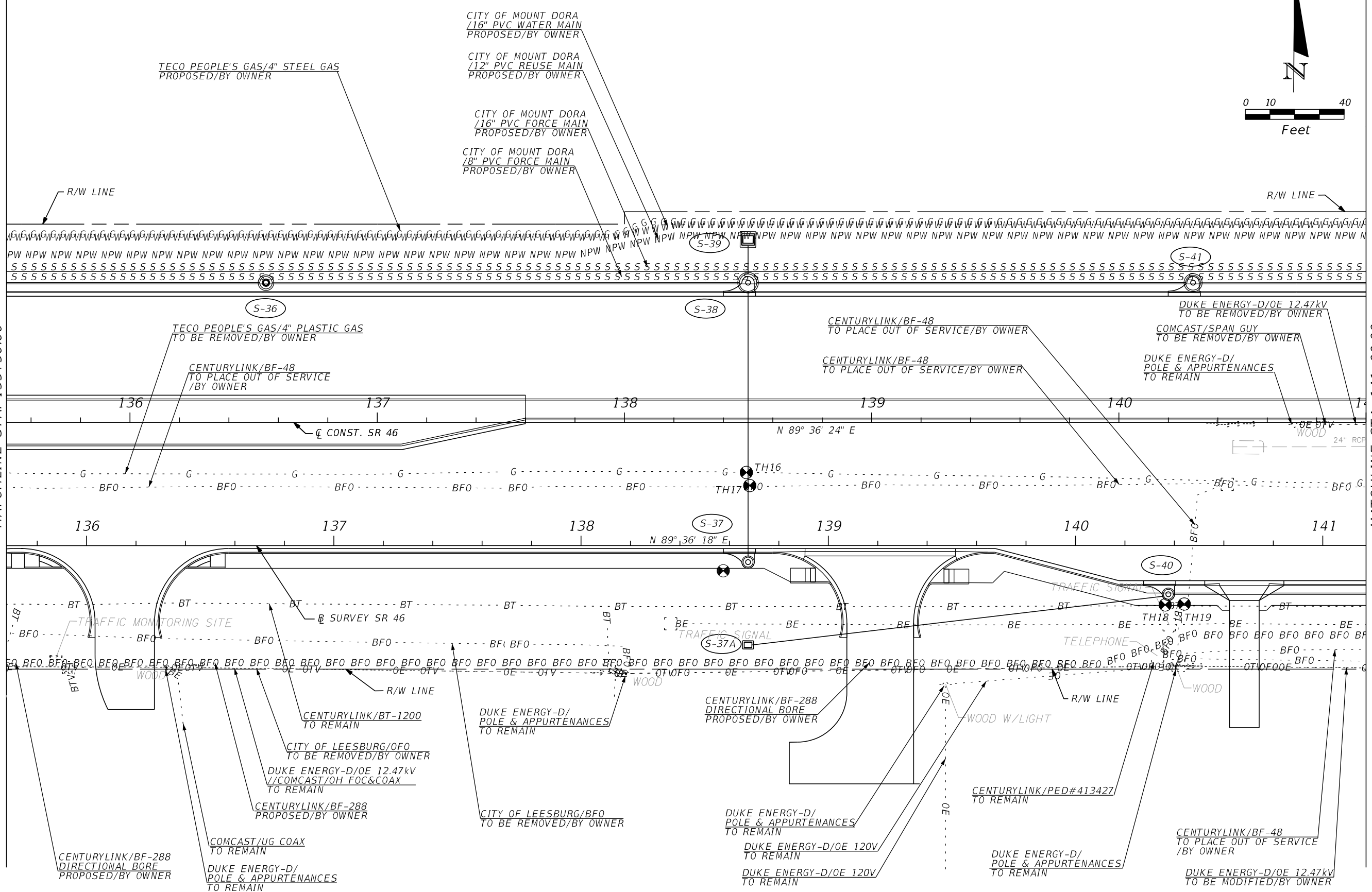
REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (8)	SHEET NO. 236
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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MATCHLINE STA. 135+50.00

MATCHLINE STA. 141+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

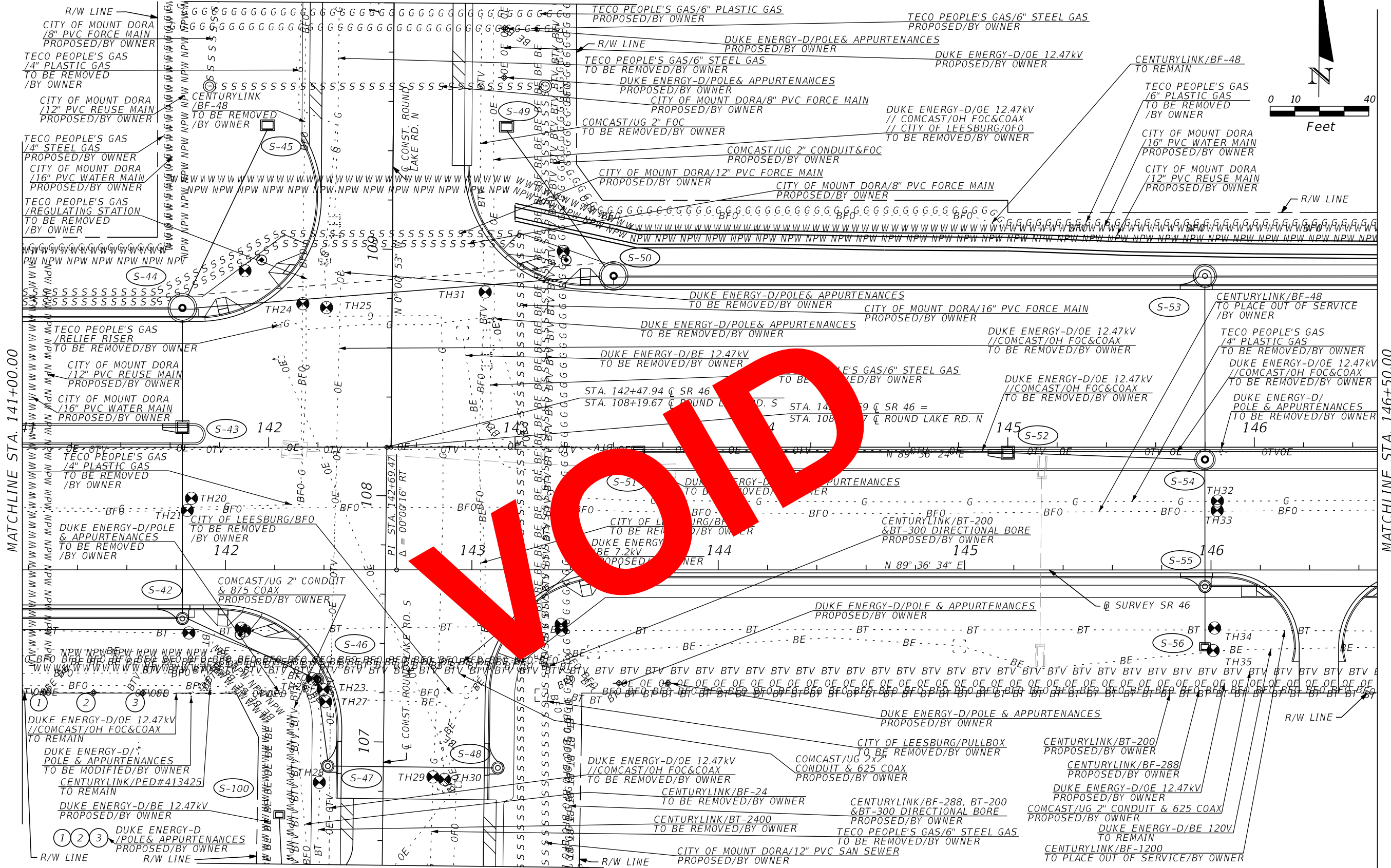
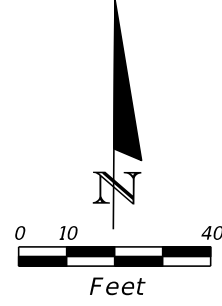
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

UTILITY ADJUSTMENTS
PLAN SHEET (9)

SHEET NO. 237

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MATCHLINE STA. 110+00.00



MATCHLINE STA. 141+00.00

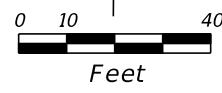
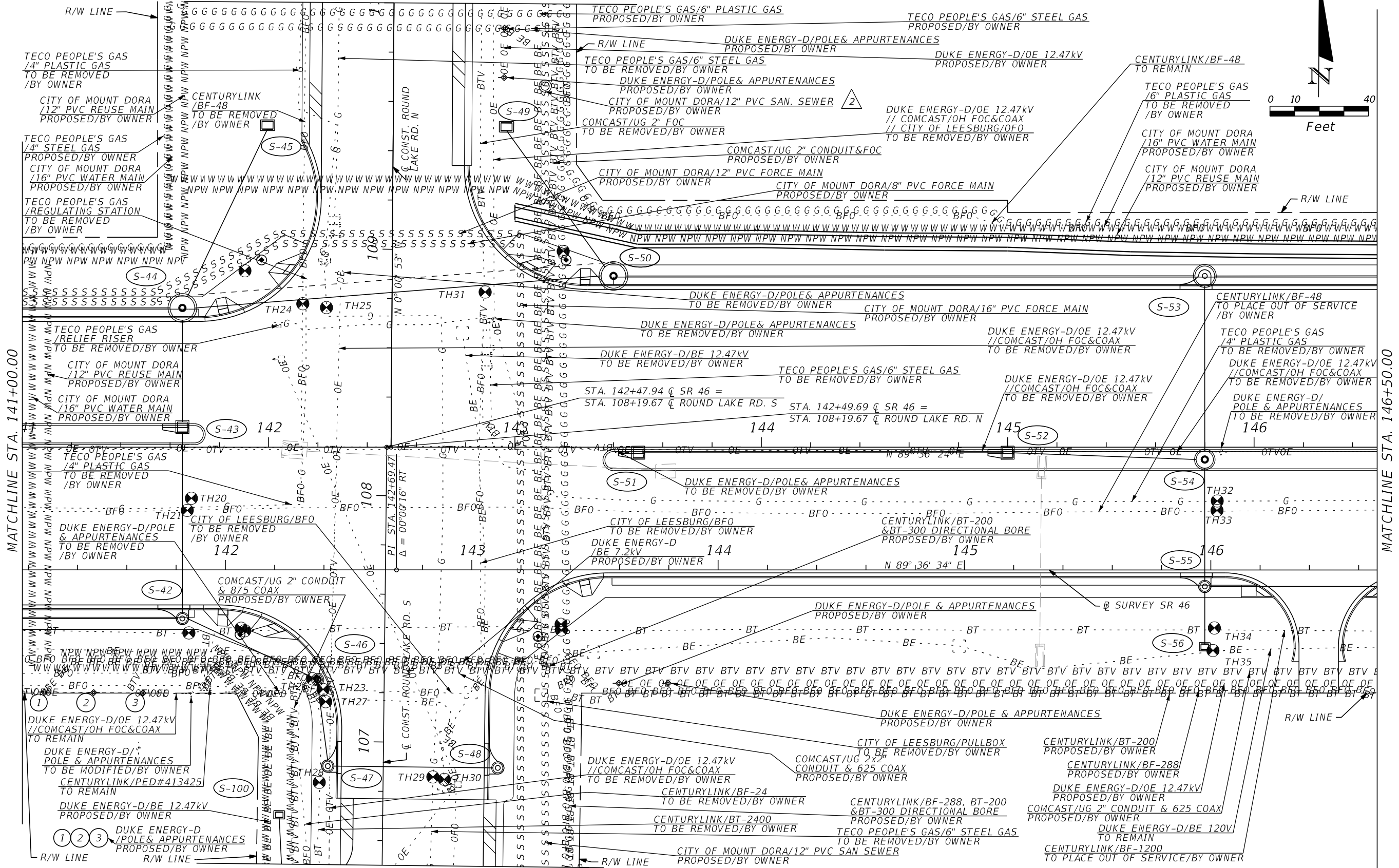
MATCHLINE STA. 146+50.00

MATCHLINE STA. 106+50.00

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (10)	SHEET NO. 238
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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MATCHLINE STA. 110+00.00



MATCHLINE STA. 141+00.00

MATCHLINE STA. 146+50.00

MATCHLINE STA. 106+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06-01-17	△ REVISED SANITARY SEWER		

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 BRET W. BENNETT, P.E.
 P.E. NUMBER 53977
 CERTIFICATE OF AUTHORIZATION NO. 2856

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

<p>UTILITY ADJUSTMENTS PLAN SHEET (10)</p>	<p>SHEET NO. 238</p>
--	-----------------------------------

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CITY OF MOUNT DORA
/FIRE HYDRANT ASSEMBLY
PROPOSED/BY OWNER

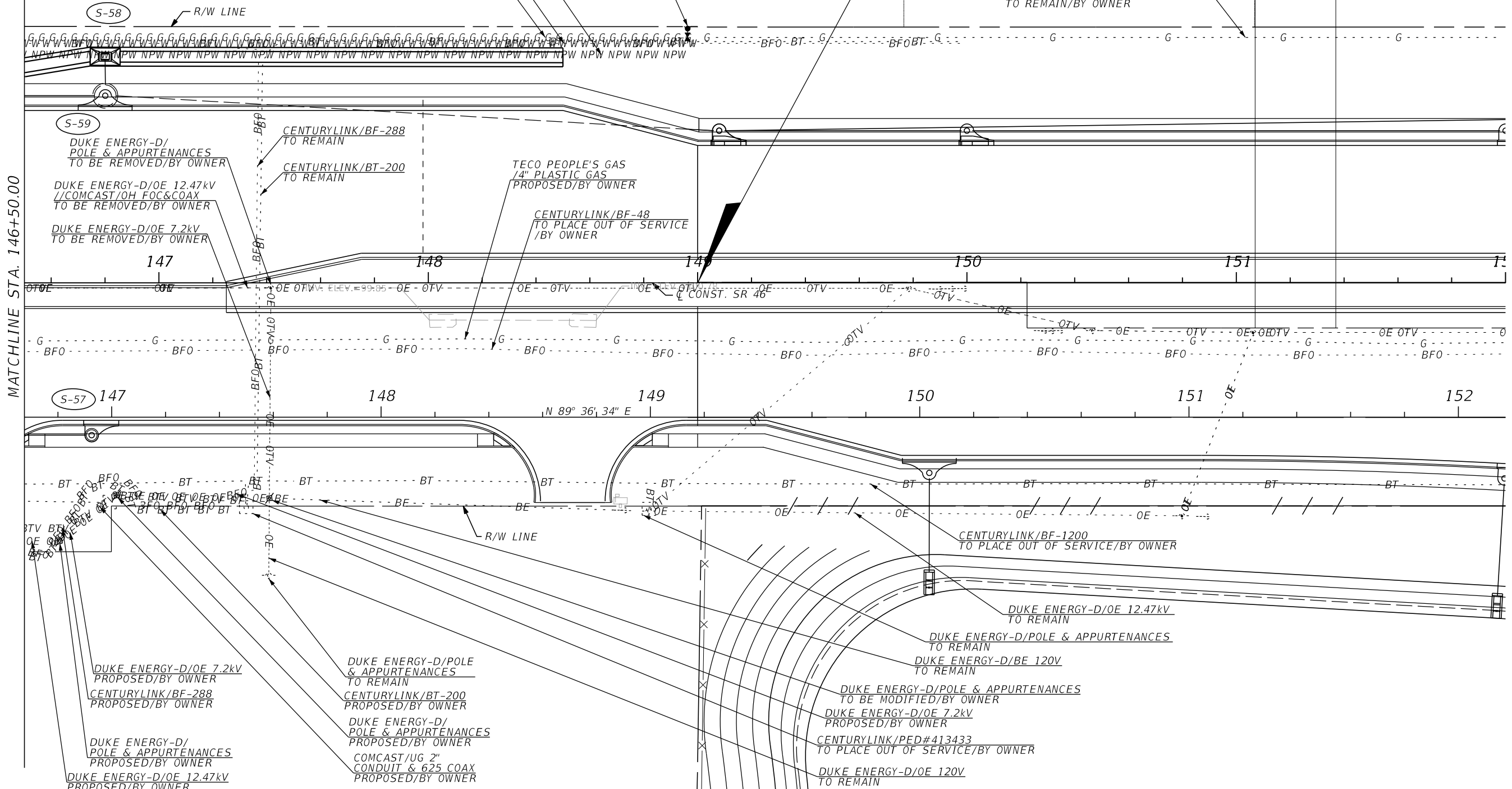
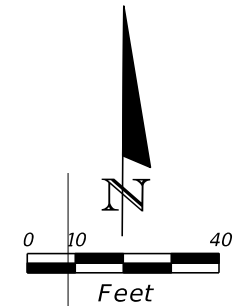
CITY OF MOUNT DORA
/12" PVC REUSE MAIN
PROPOSED/BY OWNER

CITY OF MOUNT DORA
/16" PVC WATER MAIN
PROPOSED/BY OWNER

TECO PEOPLE'S GAS/6" STEEL GAS
PROPOSED/BY OWNER

END PROJECT
WEKIVA SECTION 3A
STA. 149+00.00
C CONST. SR 46
BEGIN CFX PROJECT 429-206
STA. 209+00.00 (11' LT.)

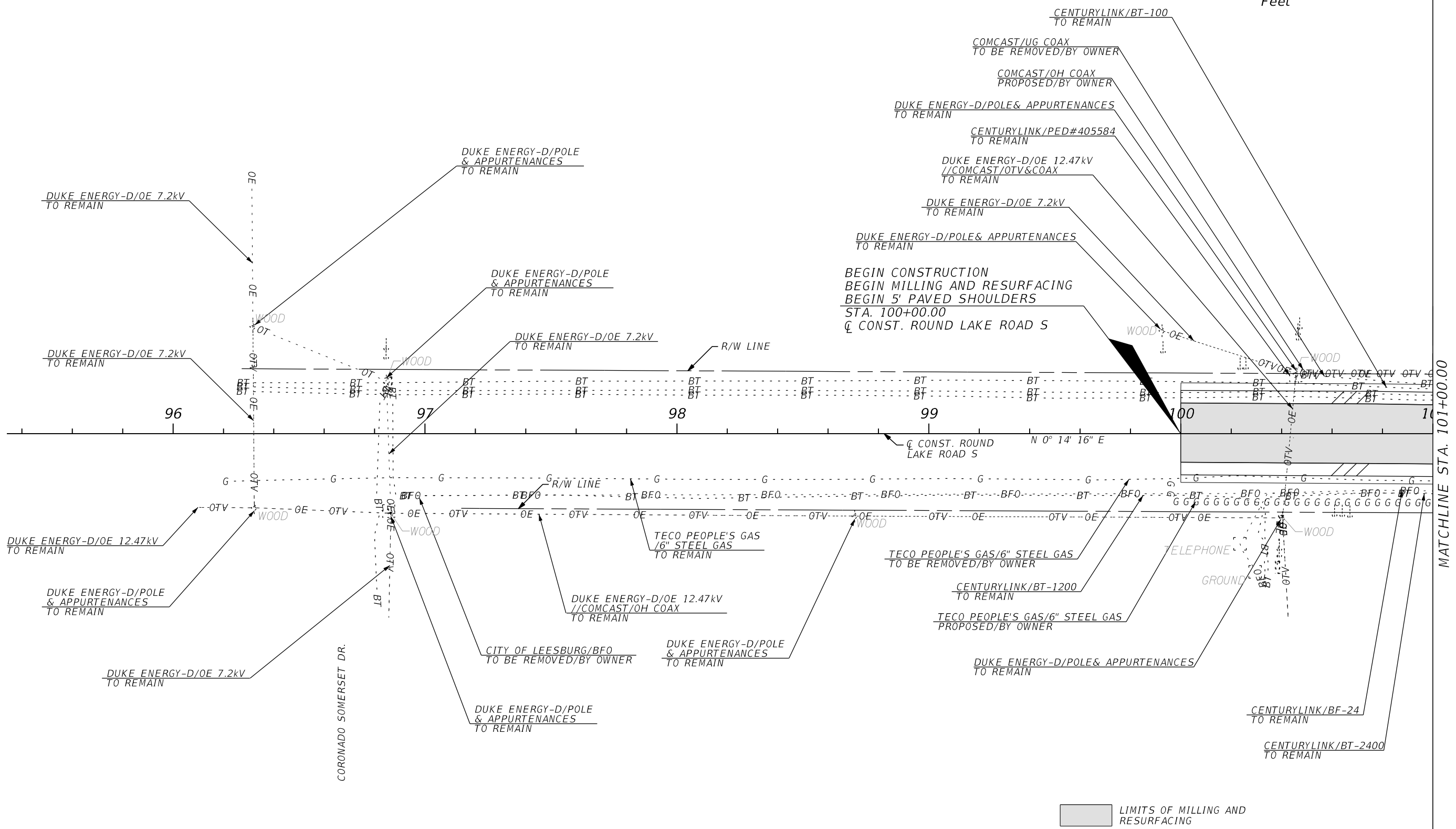
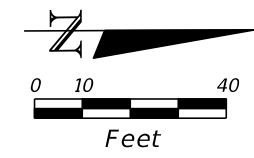
TECO PEOPLE'S GAS/6" PLASTIC GAS
TO REMAIN/BY OWNER



MATCHLINE STA. 146+50.00

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBAY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (11)	SHEET NO. 239
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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



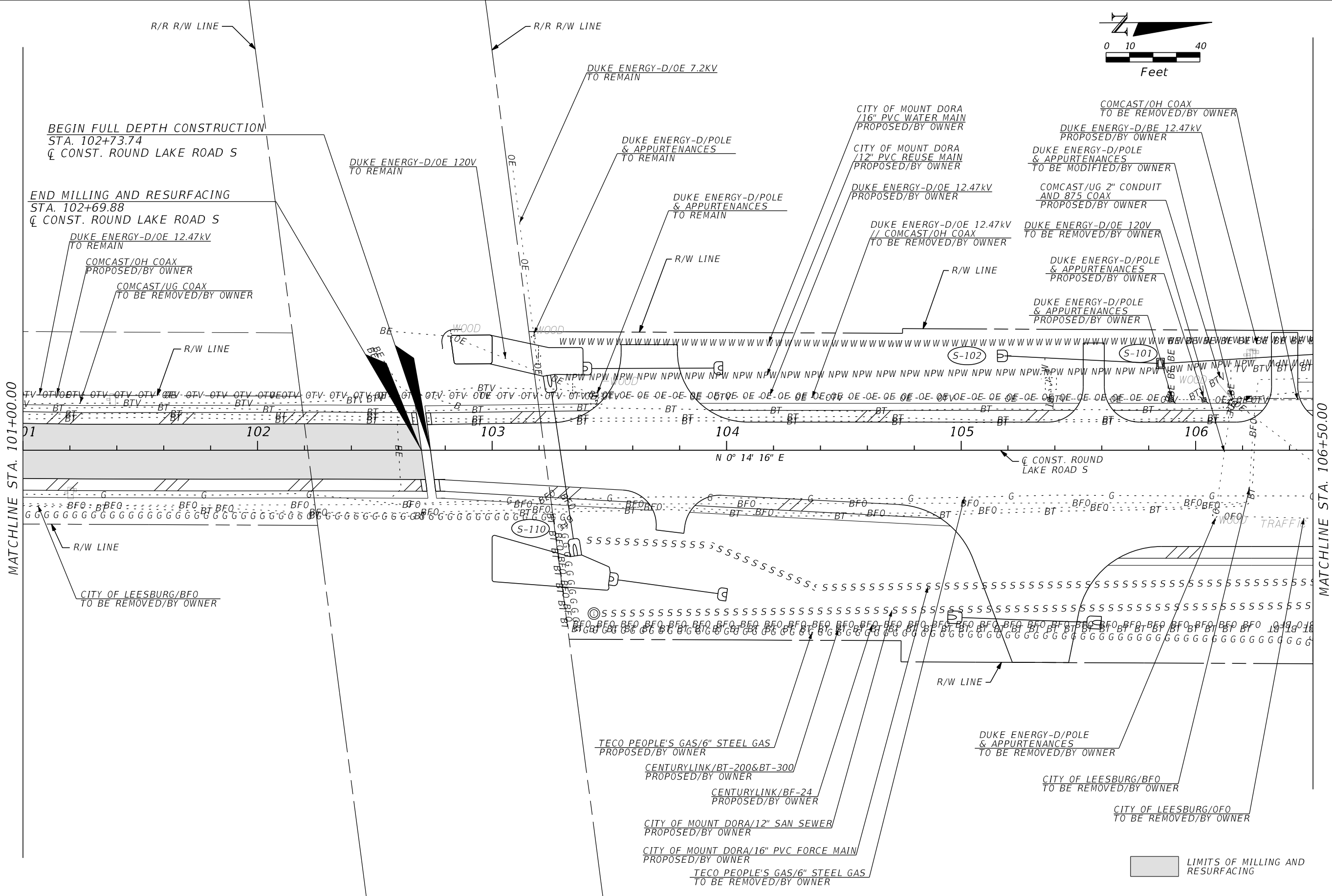
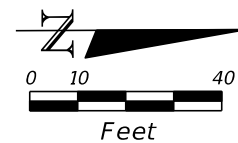
BEGIN CONSTRUCTION
 BEGIN MILLING AND RESURFACING
 BEGIN 5' PAVED SHOULDERS
 STA. 100+00.00
 CL CONST. ROUND LAKE ROAD S

MATCHLINE STA. 101+00.00

■ LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (12)	SHEET NO. 240
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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



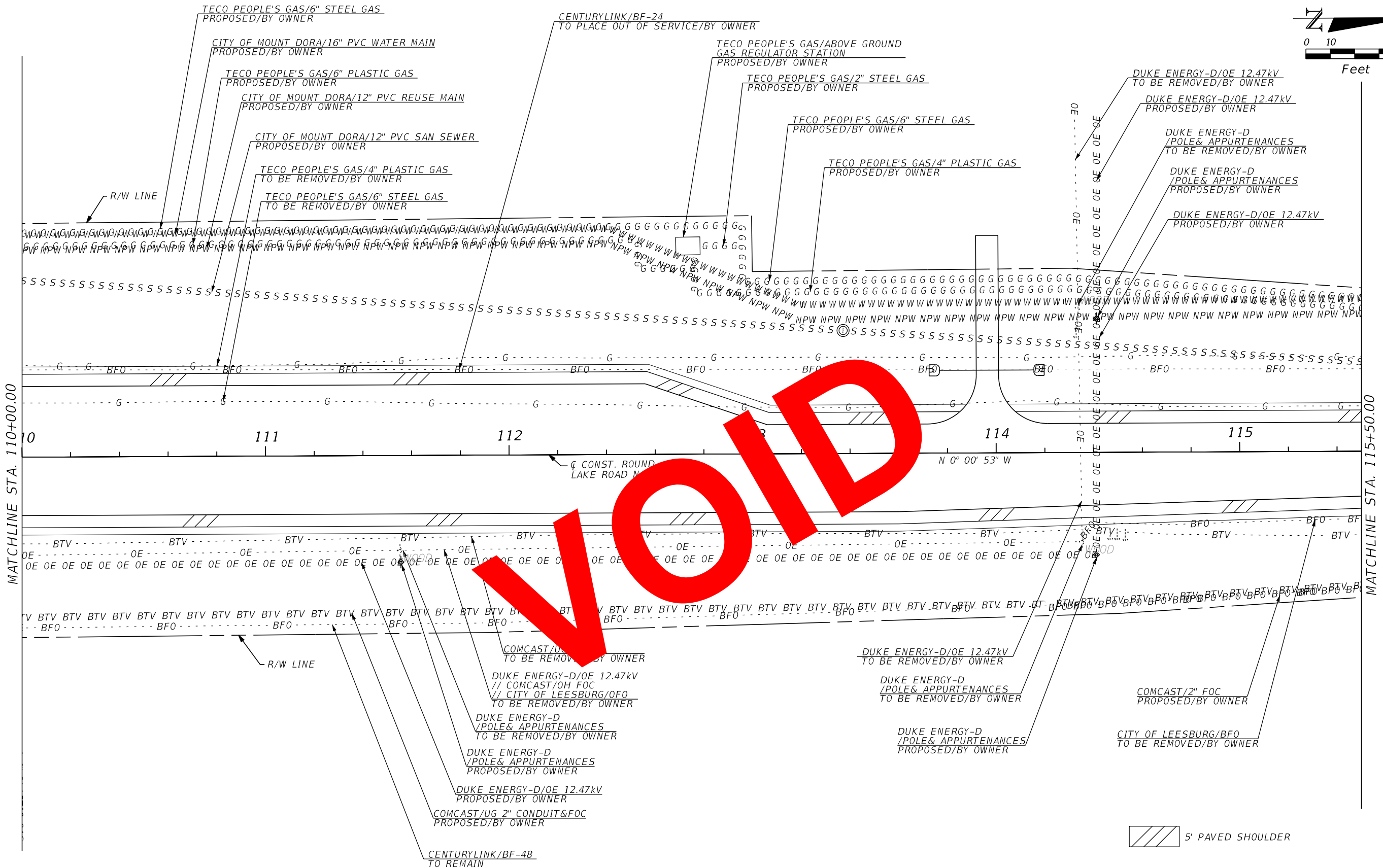
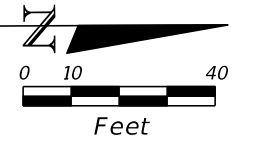
MATCHLINE STA. 101+00.00

MATCHLINE STA. 106+50.00

LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (13)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		241
					46	LAKE	238275-3-52-01		

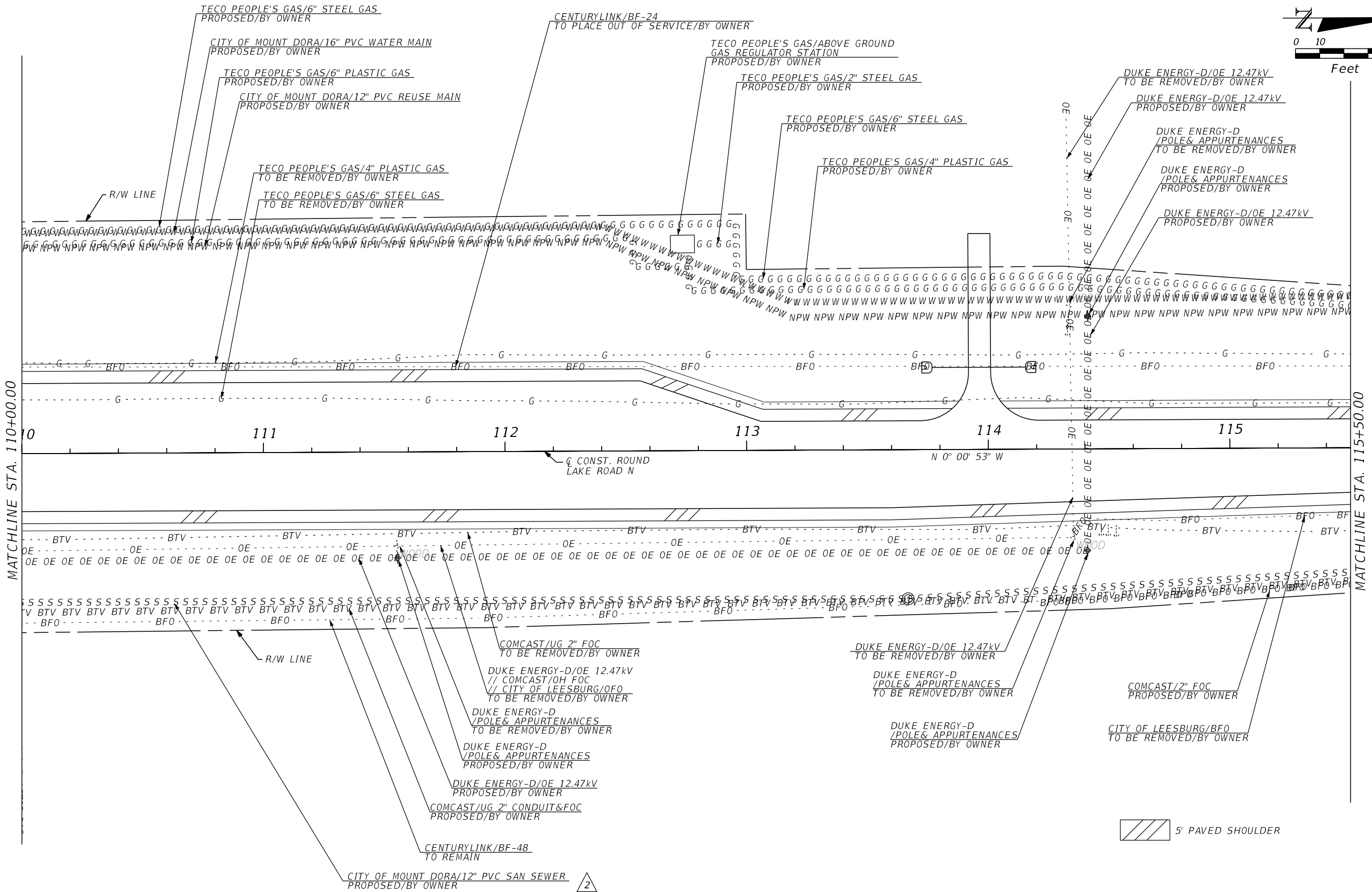
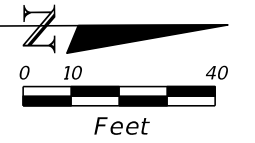
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



VOID

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (14)	SHEET NO. 242
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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



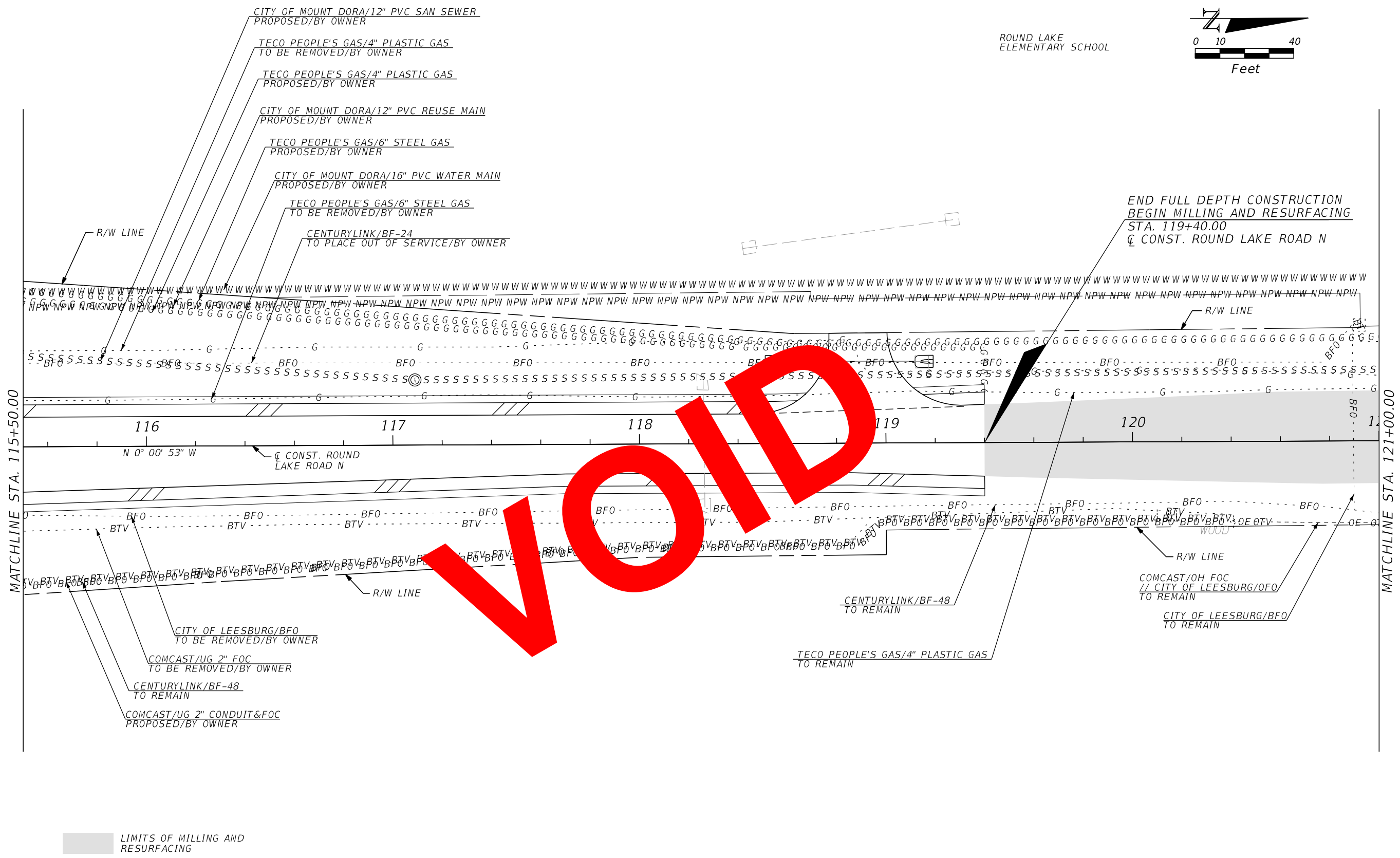
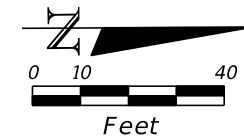
MATCHLINE STA. 110+00.00

MATCHLINE STA. 115+50.00

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (14)	SHEET NO. 242
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
06-01-17	△ REVISED SANITARY SEWER			46	LAKE	238275-3-52-01			

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ROUND LAKE
ELEMENTARY SCHOOL



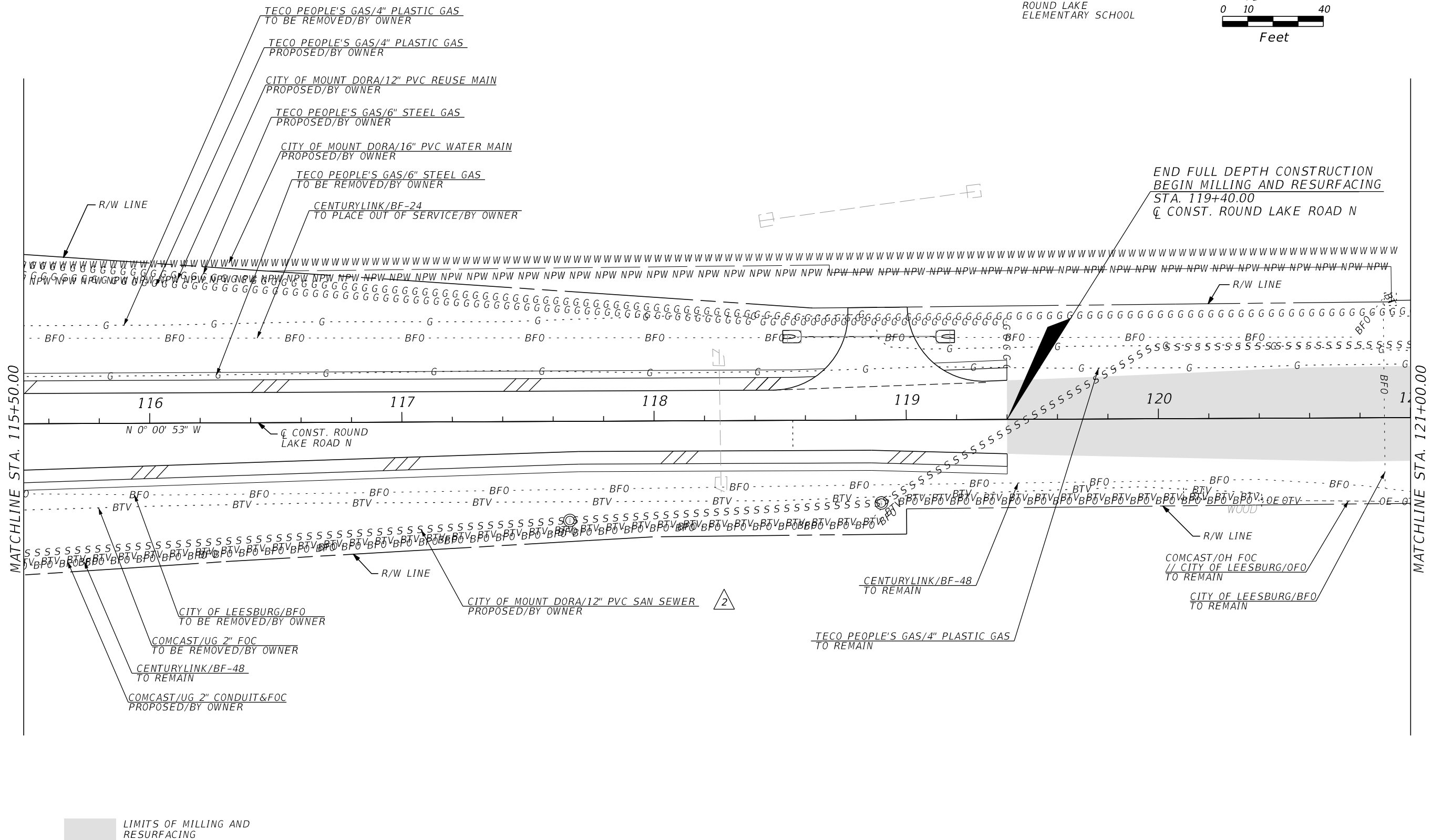
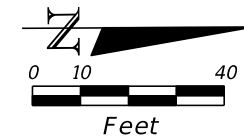
VOID

■ LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (15)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		243
					46	LAKE	238275-3-52-01		

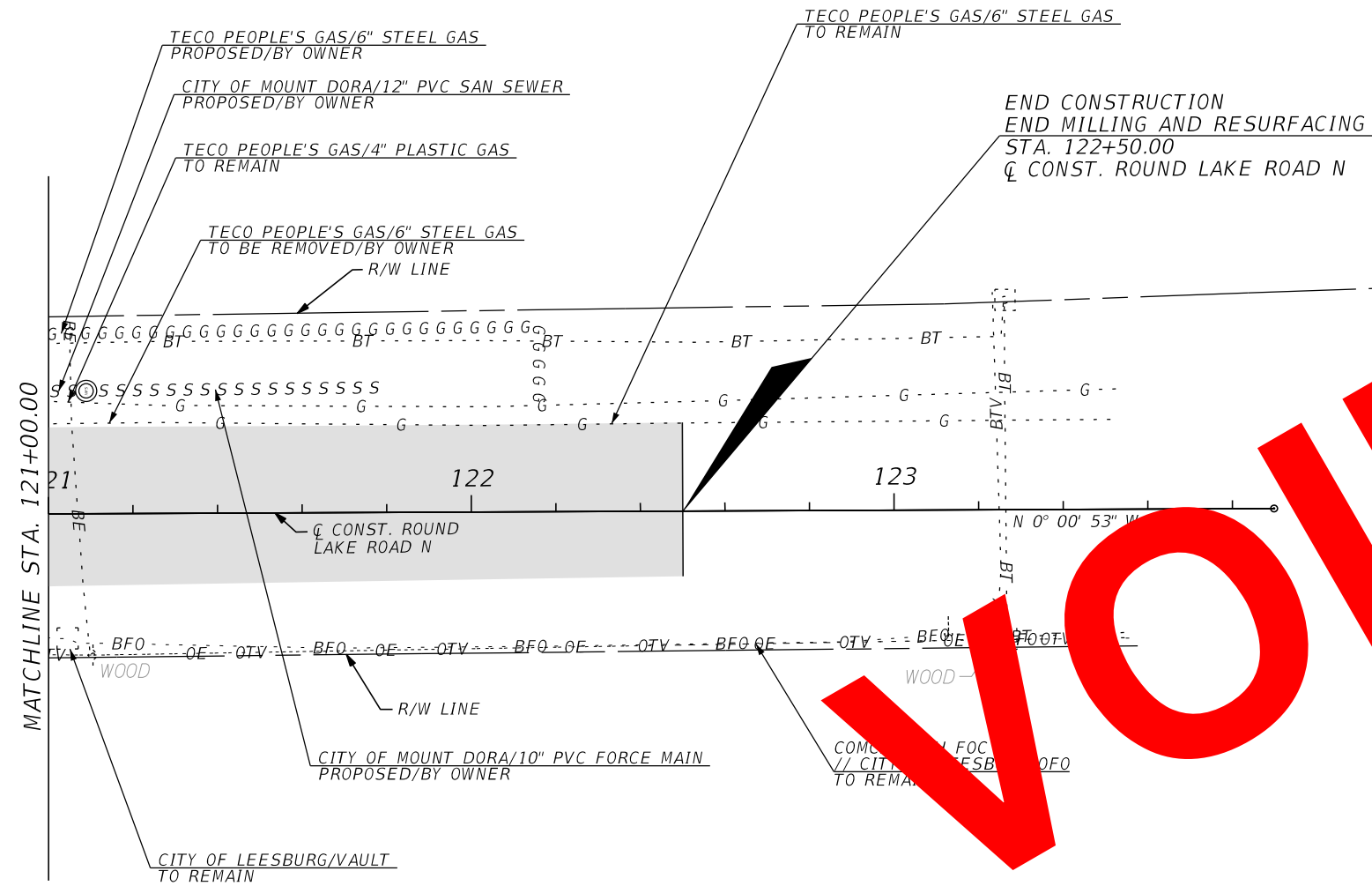
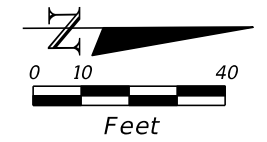
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

ROUND LAKE
ELEMENTARY SCHOOL



■ LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (15)	SHEET NO. 243
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
06-01-17	△ REVISED SANITARY SEWER				46	LAKE	238275-3-52-01		

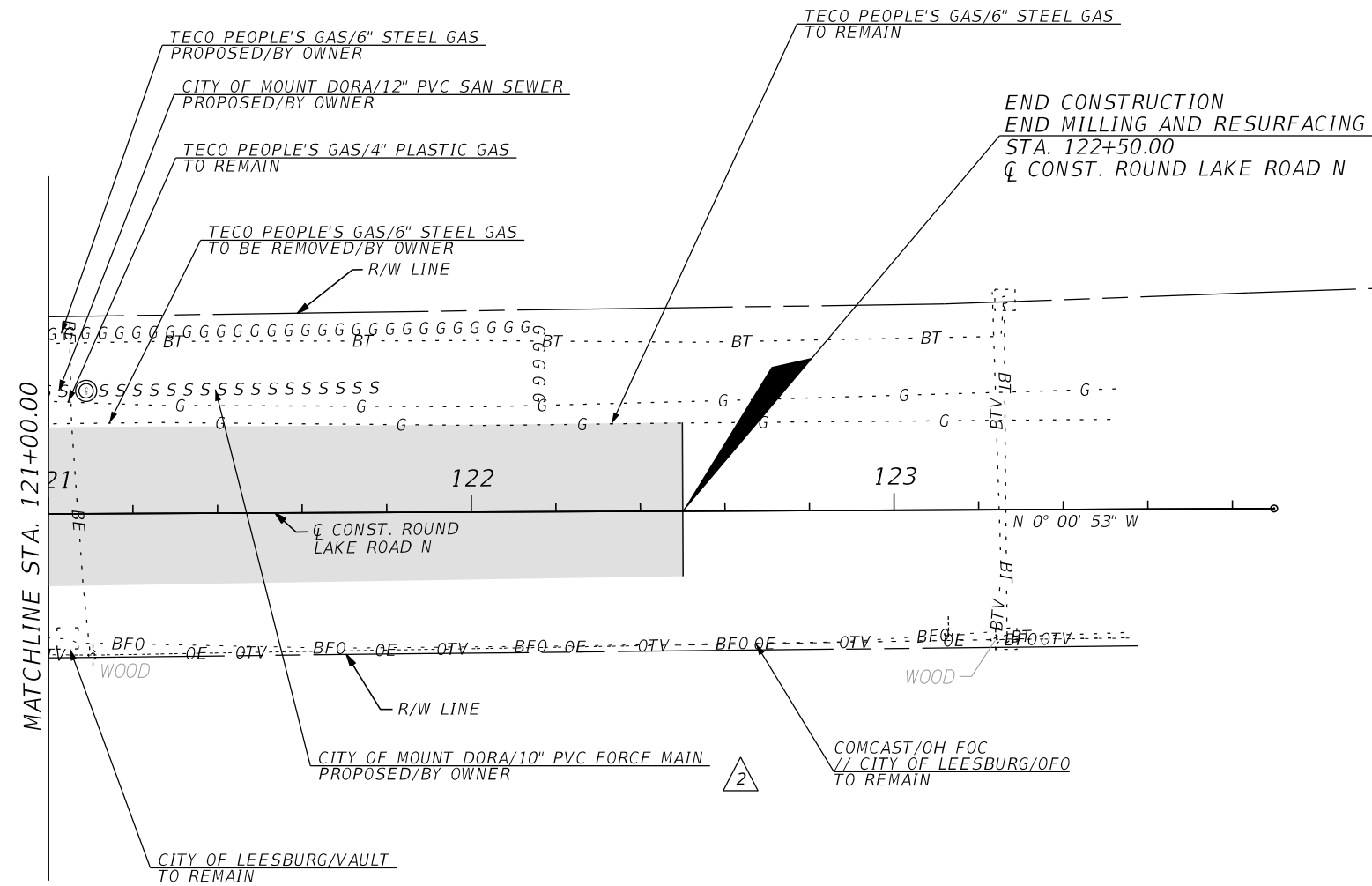
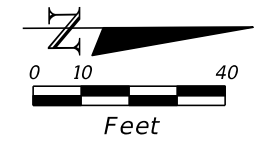


VOID

LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>UTILITY ADJUSTMENTS</i> <i>PLAN SHEET (16)</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		244
					46	LAKE	238275-3-52-01		

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LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 BRET W. BENNETT, P.E. P.E. NUMBER 53977 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS PLAN SHEET (16)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		244
06-01-17	2 REVISED SANITARY SEWER			46	LAKE	238275-3-52-01			

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