

COMPONENTS OF CONTRACT PLANS SET

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

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

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7-13	TYPICAL SECTION
SQ-1-SQ-16	SUMMARY OF QUANTITIES
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LIST OF REVISED INDEX DRAWINGS

INDEX NO.	SHEET NO.

GOVERNING STANDARDS AND SPECIFICATIONS:
 Florida Department of Transportation, 2014 Design Standards and revised Index Drawings as appended herein, and 2014 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
<http://www.dot.state.fl.us/rddesign/>

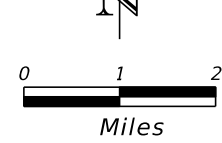
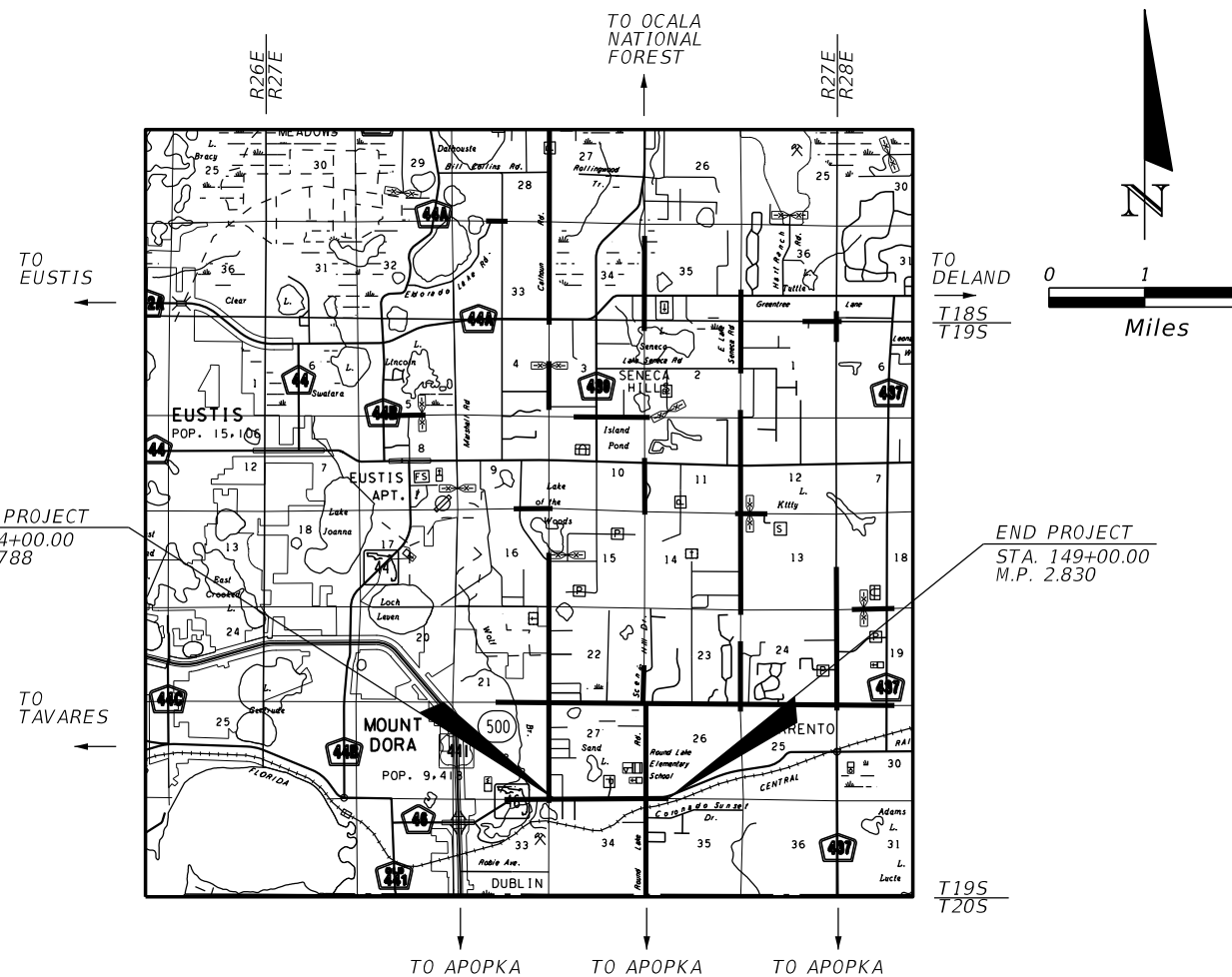
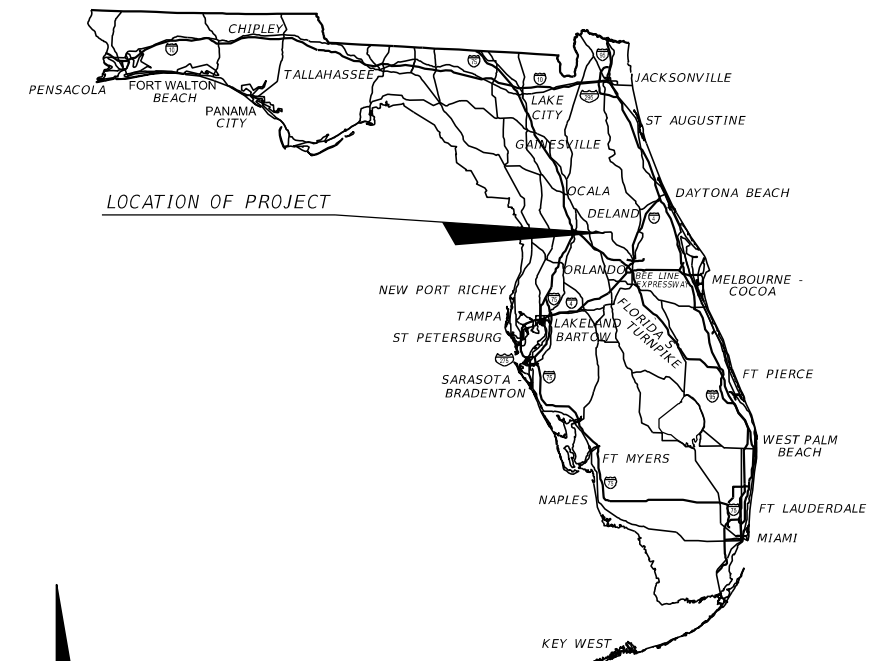
For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
<http://www.dot.state.fl.us/specificationsoffice/>

REVISIONS

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 238275-3-52-01
 (FEDERAL FUNDS)
 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

PROJECT LENGTH IS BASED ON Q_c OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	5500.00	1.042
BRIDGES	0.00	0.00
NET LENGTH OF PROJECT	5500.00	1.042
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	5500.00	1.042

FDOT PROJECT MANAGER: MATT HASSAN, PE

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS
 ENGINEER OF RECORD: FOREST W. ADKINS, PE

P.E. NO.: 56003

FISCAL YEAR	SHEET NO.
17	1

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

FOREST W. ADKINS, P.E.
 LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803

PLANS PREPARED BY:

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 CERTIFICATE OF AUTHORIZATION NO. 2856

CONTRACT NO. C9B09
 VENDOR NO. F592036861.001

NOTE: THIS CONTRACT TO BE LET TO CONTRACT WITH FINANCIAL PROJECT NO. 238275-2-52-01

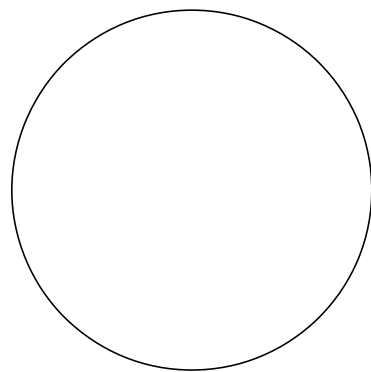
NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

**PHASE IV PLANS
 NOVEMBER 24, 2014**

NOTES TO REVIEWER:

1. END PROJECT STATION CORRESPONDS TO LIMITS OF CFX PROJECT 429-206/WEKIVA PARKWAY SECTION 2C. DESIGN SHOWN IS BY OTHERS (DRMP/WBQ).
2. BEGIN PROJECT STATION CORRESPONDS TO LIMITS OF PROJECT 238275-2-52-02/WEKIVA PARKWAY SECTION 3B. DESIGN SHOWN IS BY OTHERS (MOFFATT AND NICHOL).
3. PROJECT STORMWATER MANAGEMENT IS TO BE HANDLED IN PONDS ON THE WEST END OF THE PROJECT (WEKIVA 3B) AND EAST END OF THE PROJECT (WEKIVA 2C). NO PONDS ARE PROPOSED AS A PART OF THIS PROJECT.
4. DESIGN ASSUMPTIONS - PROJECTS 238275-2 (WEKIVA 3B) AND THIS PROJECT ARE CURRENTLY "GOES-WITH" AND WILL BE CONSTRUCTED SIMULTANEOUSLY. IT IS ASSUMED THAT PROJECT 453-206 (WEKIVA 2C) WILL BE CONSTRUCTED PRIOR TO THIS PROJECT OR SIMULTANEOUSLY WITH THIS PROJECT.
5. UTILITY INFORMATION SHOWN ON THE UTILITY ADJUSTMENT SHEETS IS PER OUR INITIAL CONTACT IN JULY, 2014. FINAL UTILITY COORDINATION IS SCHEDULED TO BEGIN IN MARCH 2016.
6. LANDSCAPE AND IRRIGATION PLANS ARE INCLUDED FOR INFORMATION ONLY AND ARE NOT A PART OF THIS CONTRACT. THIS WORK WILL BE DONE AS A SEPARATE CONTRACT.
7. ESTIMATES: SIGNAL PAY ITEM NUMBER 0671-2-40, TRAFFIC CONTROLLER (WITHOUT CABINET) (MODIFY) IS A VALID ITEM IN TRNS*PORT BUT IS NOT OPEN AT THIS TIME. IT HAS NOT BEEN ENTERED INTO THE PROJECT TRNS*PORT FOR THAT REASON.

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NOTES TO REVIEWER	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1A
					46	LAKE	238275-3-52-01		



LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 CERTIFICATE OF AUTHORIZATION NO. 2856
 FOREST W. ADKINS, P.E. NO. 56003

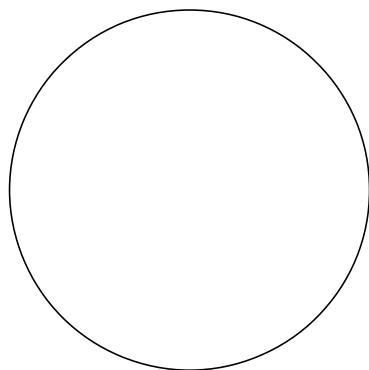
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1A	NOTES TO REVIEWER
4-4B	SUMMARY OF PAY ITEMS
7-13	TYPICAL SECTION
SQ-1	SUMMARY OF QUANTITIES
SQ-4-SQ-16	
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24-39	ROADWAY PLAN SHEETS
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57-64	DRIVEWAY PROFILES
65-68	INTERSECTION DETAILS
93	SPECIAL DETAILS
95-169	CROSS SECTIONS
227-242	UTILITY ADJUSTMENTS
243	SUMMARY OF VERIFIED UTILITIES

SIGNING AND PAVEMENT MARKINGS PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2 TO S-3	TABULATION OF QUANTITIES
S-4	GENERAL NOTES
S-5 TO S-20	SIGNING AND PAVEMENT MARKING PLAN SHEETS
S-22	SIGN STRUCTURE CROSS SECTION

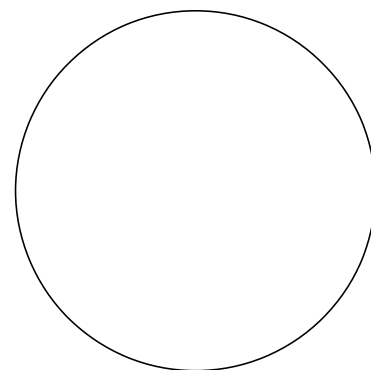


LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 CERTIFICATE OF AUTHORIZATION NO. 2856
 RICHARD D. BOBLETZ, P.E. NO. 40049

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
14-17	SUMMARY OF DRAINAGE STRUCTURES
18	OPTIONAL MATERIALS TABULATION
69-92	DRAINAGE STRUCTURES
170-171	STORMWATER POLLUTION PREVENTION PLANS (SWPPP)

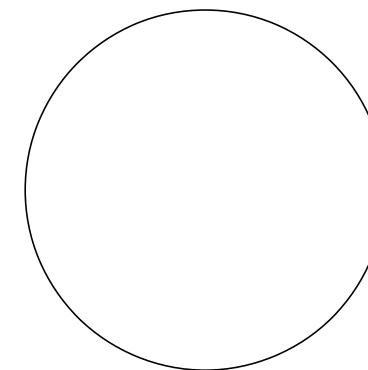


PEGASUS ENGINEERING, LLC
 301 W. STATE ROAD 434, SUITE 309
 WINTER SPRINGS, FLORIDA 32708
 CERTIFICATE OF AUTHORIZATION NO. 27770
 DAVID W. HAMSTRA, P.E. NO. 38652

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
5-6	DRAINAGE MAPS

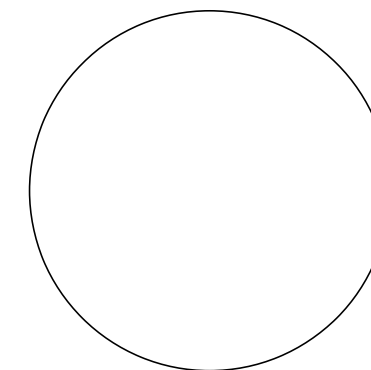


MOFFATT & NICHOL
 1025 GREENWOOD BLVD., STE. 371
 LAKE MARY, FLORIDA 32746
 CERTIFICATE OF AUTHORIZATION NO. 4877
 JEFFREY A. MESSENGER, P.E. NO. 57539

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
172-219	TEMPORARY TRAFFIC CONTROL PLANS
SQ-2-SQ-3	SUMMARY OF QUANTITIES



FLORIDA BRIDGE AND TRANSPORTATION, INC.
 633 DARTMOUTH ST.
 ORLANDO, FLORIDA 32804
 CERTIFICATE OF AUTHORIZATION NO. 26379
 JUAN A. VALENZUELA, P.E. NO. 68208

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

SIGNING AND PAVEMENT MARKINGS PLANS

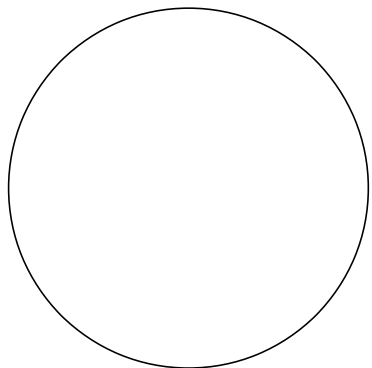
SHEET NO.	SHEET DESCRIPTION
S-23	CANTILEVER SIGN STRUCTURE DATA TABLE

SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-5	STRAIN POLE SCHEDULE

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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		

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



GMB ENGINEERS AND PLANNERS, INC
 2602 E. LIVINGSTON ST.
 ORLANDO, FLORIDA 32803
 CERTIFICATE OF AUTHORIZATION NO. 8155
 KATHRYN L. LEE, P.E. NO. 62420

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
220-226	TEMPORARY TRAFFIC CONTROL PLANS

SIGNALIZATION PLANS

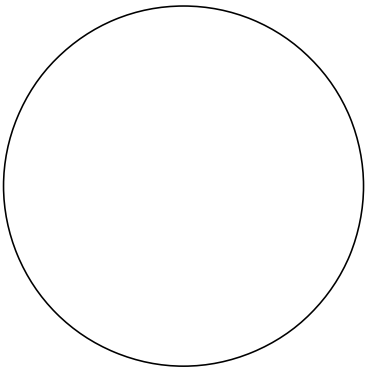
SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3	GENERAL NOTES
T-4	SIGNALIZATION PLAN
T-6	TRAFFIC MONITORING SITE DETAILS
T-7	GUIDE SIGN WORKSHEET

INTELLIGENT TRANSPORTATION SYSTEMS PLANS

SHEET NO.	SHEET DESCRIPTION
IT-1	KEY SHEET
IT-2 - IT-3	TABULATION OF QUANTITIES
IT-4	GENERAL NOTES
IT-5 - IT-15	ITS PLANS
IT-16	VEHICLE DETECTOR DETAIL
IT-17-IT-18	CCTV DETAIL
IT-19	SPLICE DIAGRAM SHEET

SIGNING AND PAVEMENT MARKINGS PLANS

SHEET NO.	SHEET DESCRIPTION
S-21	GUIDE SIGN WORKSHEET

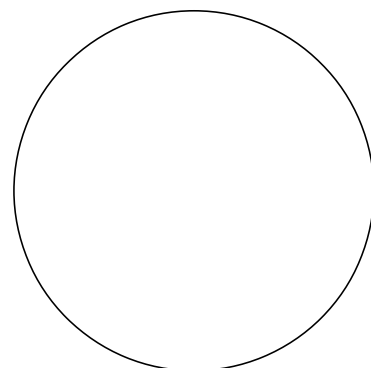


GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC
 919 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 CERTIFICATE OF AUTHORIZATION NO. 5882
 DANIEL C. STANFILL, P.E. NO. 42763

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
94	ROADWAY SOIL SURVEY



ANTILLIAN ENGINEERING ASSOCIATES, INC.
 3331 BARTLETT BLVD.
 ORLANDO, FLORIDA 32811
 CERTIFICATE OF AUTHORIZATION NO. EB6685
 PETER G. SUAH, P.E. NO. 46910

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

SIGNING AND PAVEMENT MARKINGS PLANS

SHEET NO.	SHEET DESCRIPTION
S-24	REPORT OF SPT BORING FOR SIGN

SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-8	REPORT OF SPT SOIL BORINGS

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 238275-3-52-01						
LEAD PROJECT : 238275-3-52-01		DISTRICT : 05		COUNTY/SECTION : 11130000		
PROJECT(S) : 23827535201		COUNTY : LAKE				
0200 SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827535201	QUANTITY TOTAL
		0101- 1-	MOBILIZATION 23827535201	LS	1.000	1.000
		0102- 1-	MAINTENANCE OF TRAFFIC 23827535201	(LS)	1.000	1.000
		0102- 2- 1	SPECIAL DETOUR 1 23827535201	LS	1.000	1.000
		0102- 2- 2	SPECIAL DETOUR 2 23827535201	LS	1.000	1.000
		0102- 2- 3	SPECIAL DETOUR 3 23827535201	LS	1.000	1.000
		0102- 2- 4	SPECIAL DETOUR 4 23827535201	LS	1.000	1.000
		0102- 2- 5	SPECIAL DETOUR 5 23827535201	LS	1.000	1.000
		0102- 14-	TRAFFIC CONTROL OFFICER	MH	24.000	24.000
		0102- 60-	WORK ZONE SIGN	ED	12896.000	12896.000
		0102- 71- 14	BARRIER WALL, TEMPORARY, F&I, TYPE K	LF	1905.000	1905.000
		0102- 71- 24	BARRIER WALL, TEMPORARY, RELOCATE, TYPE K	LF	1593.000	1593.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	207114.000	207114.000
		0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	2052.000	2052.000
		0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	473.000	473.000
		0102- 77-	HIGH INTENSITY FLASHING LIGHTS, TEMP, TYPE B	ED	4330.000	4330.000
		0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	6851.000	6851.000
		0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	4.000	4.000
		0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	494.000	494.000
		0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	946.000	946.000
		0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	946.000	946.000
		0104- 10- 3	SEDIMENT BARRIER	LF	15124.000	15124.000
		0104- 15-	SOIL TRACKING PREVENTION DEVICE	EA	2.000	2.000
		0104- 18-	INLET PROTECTION SYSTEM	EA	54.000	54.000
		0107- 1-	LITTER REMOVAL	AC	95.620	95.620
		0107- 2-	MOWING	AC	75.910	75.910
		0110- 1- 1	CLEARING & GRUBBING 23827535201	(LS)	1.000	1.000
		0110- 4-	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	10357.000	10357.000
		0110- 7- 1	MAILBOX, F&I SINGLE	EA	14.000	14.000
		0120- 1-	REGULAR EXCAVATION	CY	93397.000	93397.000
		0120- 4-	SUBSOIL EXCAVATION	CY	323.000	323.000
		0120- 6-	EMBANKMENT	CY	13421.000	13421.000
		0160- 4-	TYPE B STABILIZATION	SY	75378.000	75378.000
		0285-701-	OPTIONAL BASE, BASE GROUP 01	SY	1786.000	1786.000
		0285-706-	OPTIONAL BASE, BASE GROUP 06	SY	8150.000	8150.000
		0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	59260.000	59260.000
		0327- 70- 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	SY	1926.000	1926.000
		0334- 1- 23	SUPERPAVE ASPH CONC, TRAFFIC C, PG76-22, PMA	TN	5108.000	5108.000
		0337- 7- 43	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22, PMA	TN	7848.900	7848.900
		0425- 1-311	INLETS, CURB, TYPE P-1, <10'	EA	22.000	22.000
		0425- 1-321	INLETS, CURB, TYPE P-2, <10'	EA	1.000	1.000

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 238275-3-52-01						
LEAD PROJECT : 238275-3-52-01		DISTRICT : 05		COUNTY/SECTION : 11130000		
PROJECT(S) : 23827535201		COUNTY : LAKE				
0200 SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827535201	QUANTITY TOTAL
		0425- 1-331	INLETS, CURB, TYPE P-3, <10'	EA	2.000	2.000
		0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	2.000	2.000
		0425- 1-352	INLETS, CURB, TYPE P-5, >10'	EA	1.000	1.000
		0425- 1-411	INLETS, CURB TYPE J-1, <10'	EA	6.000	6.000
		0425- 1-412	INLETS, CURB, TYPE J-1, >10'	EA	5.000	5.000
		0425- 1-421	INLETS, CURB, TYPE J-2, <10'	EA	2.000	2.000
		0425- 1-521	INLETS, DT BOT, TYPE C, <10'	EA	5.000	5.000
		0425- 1-541	INLETS, DT BOT, TYPE D, <10'	EA	1.000	1.000
		0425- 1-551	INLETS, DT BOT, TYPE E, <10'	EA	3.000	3.000
		0425- 2- 41	MANHOLES, P-7, <10'	EA	4.000	4.000
		0425- 2- 42	MANHOLES, P-7, >10'	EA	3.000	3.000
		0425- 2- 71	MANHOLES, J-7, <10'	EA	2.000	2.000
		0425- 2- 72	MANHOLES, J-7, >10'	EA	3.000	3.000
		0430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	35.000	35.000
		0430-174-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18"SD	LF	91.000	91.000
		0430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	3398.000	3398.000
		0430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	691.000	691.000
		0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	1545.000	1545.000
		0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	1183.000	1183.000
		0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	302.000	302.000
		0430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	708.000	708.000
		0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	1.000	1.000
		0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	2.000	2.000
		0430-984-125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	2.000	2.000
		0430-984-625	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	EA	4.000	4.000
		0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF	6096.000	6096.000
		0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	11764.000	11764.000
		0520- 3-	VALLEY GUTTER- CONCRETE	LF	260.000	260.000
		0520- 5- 16	TRAFFIC SEPARATOR CONCRETE- TYPE I, 8.5' WIDE	LF	2112.000	2112.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	5820.000	5820.000
		0522- 2-	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	676.000	676.000
		0524- 1- 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	918.000	918.000
		0527- 2-	DETECTABLE WARNINGS	SF	391.000	391.000
		0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	17.000	17.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY	41590.000	41590.000
		0710- 11-111	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	NM	11.006	11.006
		0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	237.000	237.000
		0710- 11-151	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, DOTTED / GUIDELINE/ 6-10 GAP EXTENSION, 6"	LF	699.000	699.000
		0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	20.000	20.000
		0710- 11-211	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	NM	8.776	8.776

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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

11/24/2014 10:54:00 AM

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 238275-3-52-01						
LEAD PROJECT : 238275-3-52-01		DISTRICT : 05		COUNTY/SECTION : 11130000		
PROJECT(S) : 23827535201			COUNTY : LAKE			
0200 SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827535201	QUANTITY TOTAL
		0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF	141.000	141.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 23827535201	LS	1.000	1.000

11/24/2014 10:54:00 AM

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 238275-3-52-01						
LEAD PROJECT : 238275-3-52-01		DISTRICT : 05		COUNTY/SECTION : 11130000		
PROJECT(S) : 23827535201			COUNTY : LAKE			
0300 SUMMARY OF SIGNING						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827535201	QUANTITY TOTAL
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	37.000	37.000
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	5.000	5.000
		0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	4.000	4.000
		0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	24.000	24.000
		0700- 2- 50	MULTI- POST SIGN, F&I GROUND MOUNT, RELOCATE	AS	1.000	1.000
		0700- 3-208	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 301-400 SF	EA	1.000	1.000
		0700- 4-114	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 41-50 FT	EA	1.000	1.000
		0705- 10- 1	OBJECT MARKER, TYPE 1	EA	2.000	2.000
		0705- 11- 1	DELINEATOR, FLEXIBLE TUBULAR	EA	8.000	8.000
		0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE 23827535201	LS	1.000	1.000

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		4A

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11/24/2014

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FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 238275-3-52-01						
LEAD PROJECT : 238275-3-52-01		DISTRICT : 05		COUNTY/SECTION : 11130000		
PROJECT(S) : 23827535201			COUNTY : LAKE			
0500 SUMMARY OF SIGNALIZATION						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827535201	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	187.000	187.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	428.000	428.000
		0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1.000	1.000
		0634- 4-153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX	PI	1.000	1.000
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	7.000	7.000
		0639- 1-121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	1.000	1.000
		0639- 2- 1	ELECTRICAL SERVICE WIRE	LF	200.000	200.000
		0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1.000	1.000
		0641- 2- 17	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VII	EA	4.000	4.000
		0641- 2- 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	2.000	2.000
		0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	5.000	5.000
		0650- 1- 14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	10.000	10.000
		0650- 1- 16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	4.000	4.000
		0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8.000	8.000
		0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4.000	4.000
T		0660- 4- 51	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	1.000	1.000
T		0663- 1-110	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, COMPLETE SYSTEM	EA	2.000	2.000
		0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8.000	8.000
		0670- 5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	1.000	1.000
		0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1.000	1.000
		0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	1.000	1.000
		0700- 5- 50	INTERNALLY ILLUMINATED SIGN, RELOCATE	EA	3.000	3.000
		0741- 1- 11	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL, TYPE 1 AXLE SENSOR- IN ROAD	EA	6.000	6.000
		0745- 70- 12	TMS INDUCTIVE LOOP ASSEM, F&I, 2 LOOPS / LANE	AS	6.000	6.000
		0746- 71-131	TMS CABINET,F&I, TYPE III, PEDESTAL MNT, 1 BACKPLANE	EA	2.000	2.000

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 238275-3-52-01						
LEAD PROJECT : 238275-3-52-01		DISTRICT : 05		COUNTY/SECTION : 11130000		
PROJECT(S) : 23827535201			COUNTY : LAKE			
0550 SUMMARY OF INTELLIGENT TRANSPORTATION SYSTEM						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827535201	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	5634.000	5634.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	881.000	881.000
		0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	335.000	335.000
		0633- 1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	6933.000	6933.000
		0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	40.000	40.000
		0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	4.000	4.000
		0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	5.000	5.000
		0633- 3- 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	3.000	3.000
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	2.000	2.000
		0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	10.000	10.000
		0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	4.000	4.000
		0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	3.000	3.000
		0639- 2- 1	ELECTRICAL SERVICE WIRE	LF	652.000	652.000
		0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	3.000	3.000
		0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	3.000	3.000
		0641- 2- 13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	1.000	1.000
		0641- 3-263	CONCRETE CCTV POLE, FURNISH & INSTALL WITHOUT LOWERING DEVICE, 63'	EA	2.000	2.000
		0660- 3- 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	2.000	2.000
		0660- 3- 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	2.000	2.000
		0676- 2-111	ITS CABINET, FURNISH & INSTALL, POLE MOUNT, 336, 24" W X 36" H X 20" D	EA	3.000	3.000
		0682- 1- 11	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - PRESSURIZED	EA	2.000	2.000
		0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	3.000	3.000
		0684- 3- 11	DIGITAL VIDEO ENCODER WITH SOFTWARE DECODER FURNISH & INSTALL HARDENED ENCODER	EA	2.000	2.000
T		0685-106-	SYSTEM AUXILIARIES, F&I, UNINTERRUPTIBLE POWER SOURCE	EA	3.000	3.000

<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					LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <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	SHEET NO. 4B
REVISIONS																								
DATE	DESCRIPTION	DATE	DESCRIPTION																					
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																						
46	LAKE	238275-3-52-01																						

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THE BENCHMARK DATUM IS NAVD 88

SUMMARY OF FLOOD DATA

STRUCTURE NO.	STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD			
		2% PROB DISCHARGE	50 YR FREQ STAGE	1% PROB DISCHARGE	100 YR FREQ STAGE	DISCHARGE	STAGE	PROB %	FREQ YR	DISCHARGE	STAGE	PROB %	FREQ YR
S-110	103+30 RLR S	11.30	88.40	12.20	88.50	13.00	88.75	0	250				

NOTE: THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGEMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION, AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CAN NOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND AND STAGES ARE IN FEET, NAVD, 1988.

DEFINITIONS:

- DESIGN FLOOD: THE FLOOD SELECTED BY F.D.O.T. TO BE UTILIZED TO ASSURE A STANDARD LEVEL OF HYDRAULIC PERFORMANCE.
- BASE FLOOD: THE FLOOD HAVING A 1% CHANCE OF BEING EXCEEDED IN ANY YEAR. (100 YR. FREQUENCY)
- OVERTOPPING FLOOD: THE FLOOD WHERE FLOW OCCURS (A) OVER THE HIGHWAY (B) OVER A WATERSHED DIVIDE OR (C) THRU EMERGENCY RELIEF STRUCTURES.
- GREATEST FLOOD: THE MOST SEVERE FLOOD WHICH CAN BE PREDICTED WHERE OVERTOPPING IS NOT PRACTICABLE, NORMALLY ONE WITH A 0.2% CHANCE OF BEING EXCEEDED IN ANY YEAR. (500 YR. FREQUENCY)

BEGIN PROJECT
STA. 94+00.00
PGL ELEV. 112.67

PROP. PGL

EXISTING GROUND

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



THE BENCHMARK DATUM IS NAVD 88

SABASTIAN ST.

28-19S-27E

BEGIN PROJECT
STA. 94+00.00
PGL ELEV. 112.67

PROP. POND
(BY OTHERS)

PROP. POND
(BY OTHERS)

S.R. 46

CL CONST. SR 46

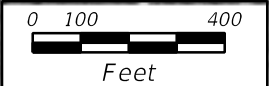
33-19S-27E

27-19S-27E

34-19S-27E

STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA
S-3	0.53	S-702	0.93
S-4	0.60	S-703	0.62
S-6	1.04		
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

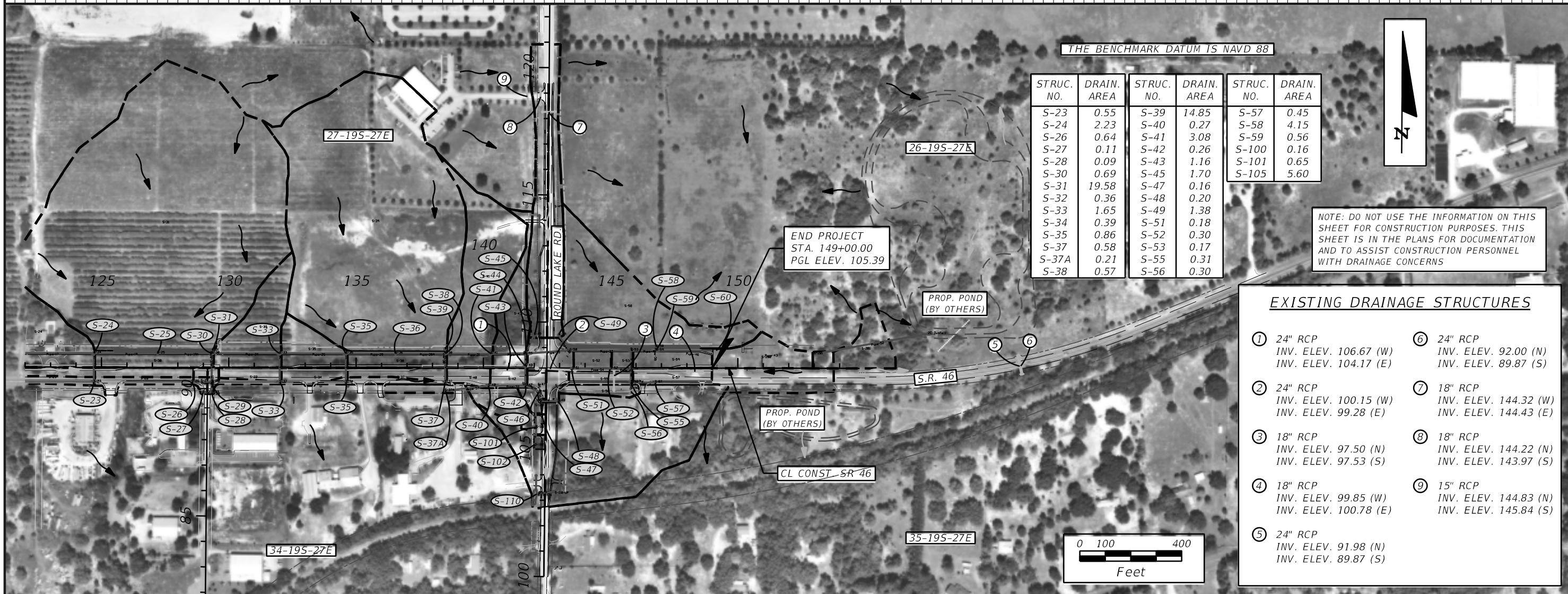
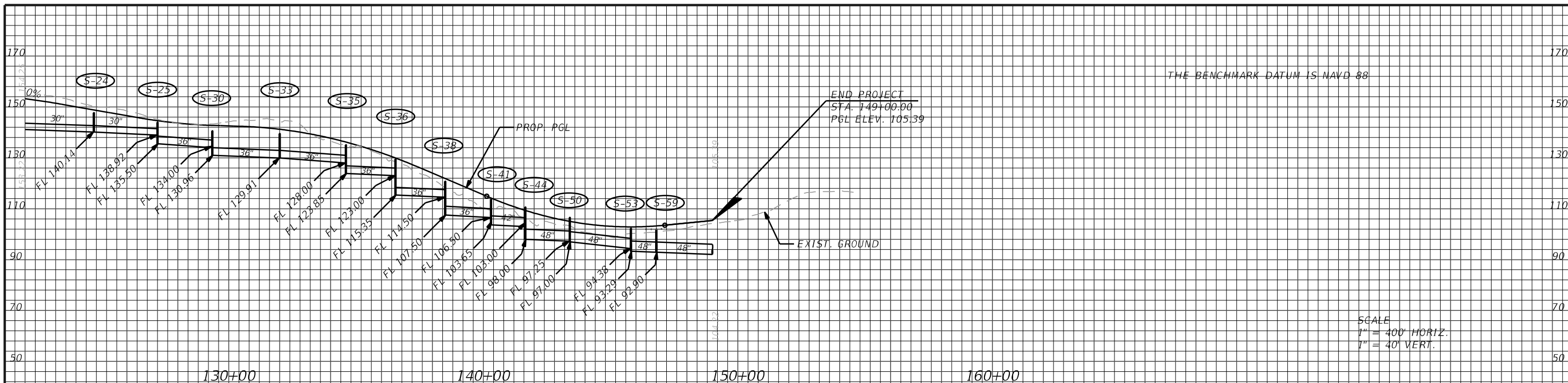


REVISIONS				ENGINEER OF RECORD: DAVID WAYNE HAMSTRA, P.E. LICENSE # 38652	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				PEGASUS ENGINEERING, LLC 301 W. STATE ROAD 434 SUITE 309 WINTER SPRINGS, FLORIDA 32708 TEL. (407) 992-9160 CERTIFICATE OF AUTHORIZATION NO. 27770	46	LAKE	238275-3-52-01	

DRAINAGE MAP (1)

SUSERS SDATES STIMES SFILES

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THE BENCHMARK DATUM IS NAVD 88

STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA	STRUC. NO.	DRAIN. AREA
S-23	0.55	S-39	14.85	S-57	0.45
S-24	2.23	S-40	0.27	S-58	4.15
S-26	0.64	S-41	3.08	S-59	0.56
S-27	0.11	S-42	0.26	S-100	0.16
S-28	0.09	S-43	1.16	S-101	0.65
S-30	0.69	S-45	1.70	S-105	5.60
S-31	19.58	S-47	0.16		
S-32	0.36	S-48	0.20		
S-33	1.65	S-49	1.38		
S-34	0.39	S-51	0.18		
S-35	0.86	S-52	0.30		
S-37	0.58	S-53	0.17		
S-37A	0.21	S-55	0.31		
S-38	0.57	S-56	0.30		

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

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

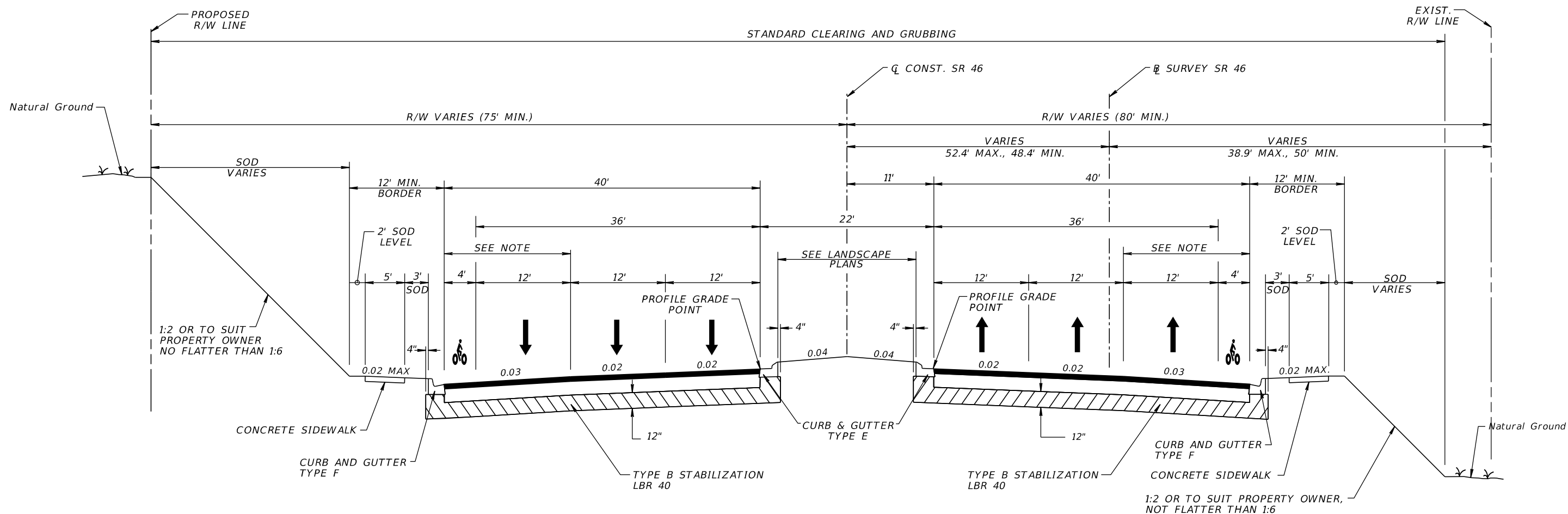
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

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

SHEET NO. 6

DRAINAGE MAP (2)

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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: [FTP://FTP.DOT.STATE.FL.US/LTS/DS/CONSTRUCTION/PAVEMENTCORINGDATA/](ftp://ftp.dot.state.fl.us/lts/ds/construction/pavementcoringdata/). 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. 149+00.00**

NOTE: IN LOCATIONS WITH SPOT GUTTER GRADES, VARY THE CROSS SLOPE IN THIS AREA TO ACHIEVE GRADES. SEE PLAN SHEETS FOR LOCATIONS.

**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

NEW CONSTRUCTION (STA. 94+00.00 TO 143+40.00)

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

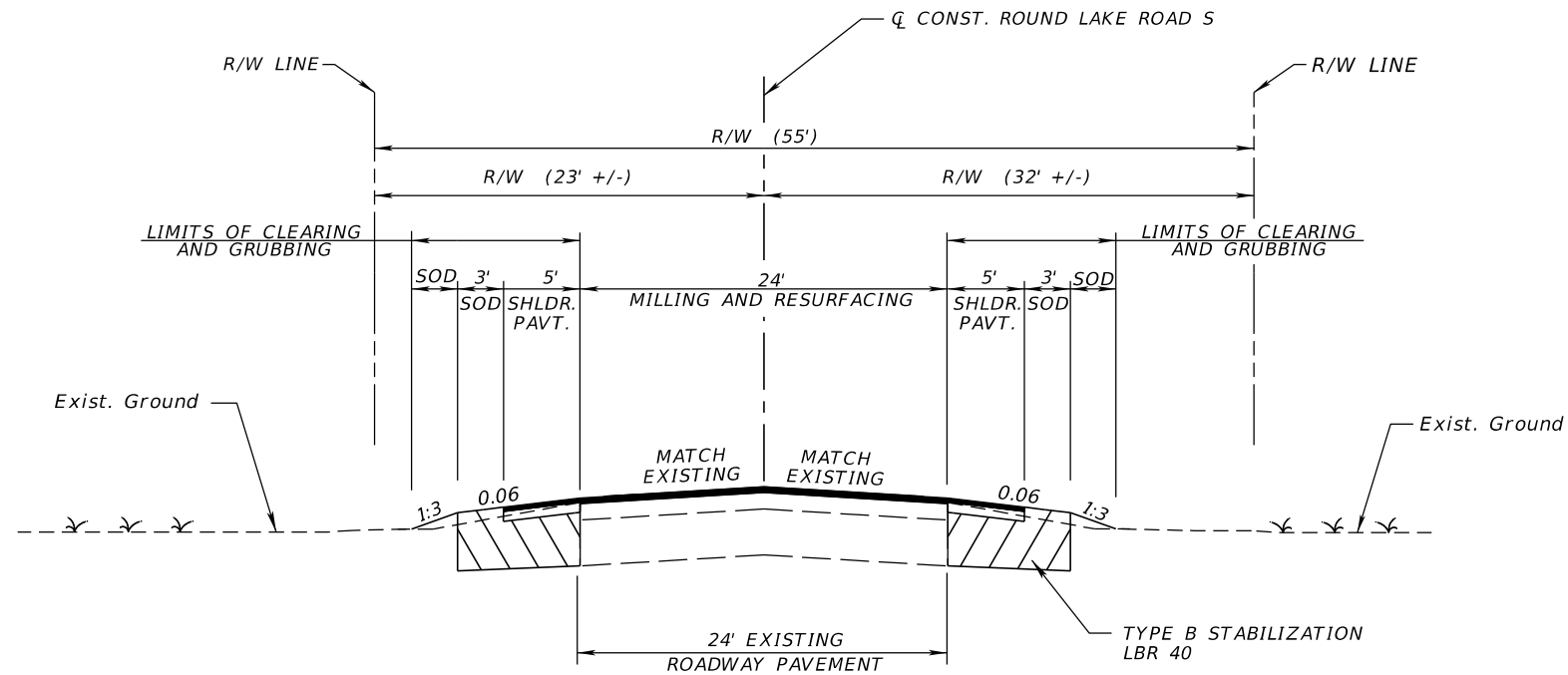
NEW CONSTRUCTION (STA. 143+40.00 TO 149+00.00)

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

**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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION SR 46	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



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: <FTP://FTP.DOT.STATE.FL.US/LTS/D5/CONSTRUCTION/PAVEMENTCORINGDATA/>. 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. 2
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 PMA)

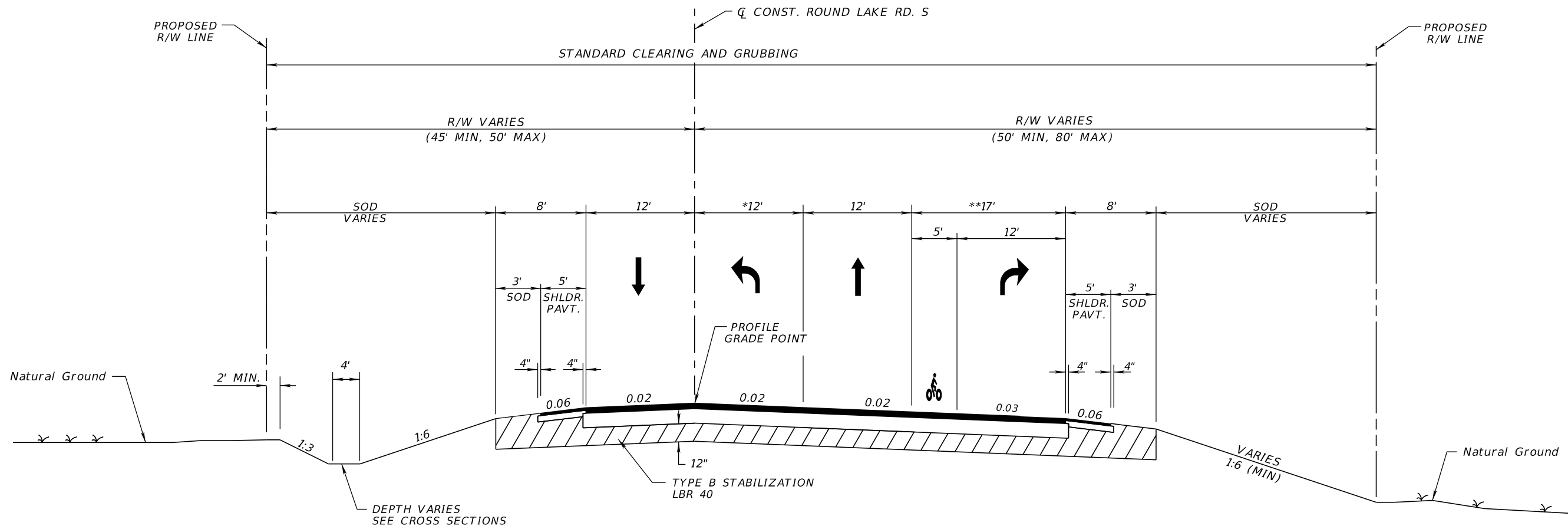
PAVED SHOULDERS

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

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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION ROUND LAKE ROAD	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



**TYPICAL SECTION NO. 3
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: <FTP://FTP.DOT.STATE.FL.US/LTS/D5/CONSTRUCTION/PAVEMENTCORINGDATA/>. 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 PMA)

PAVED SHOULDERS

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

TRAFFIC DATA

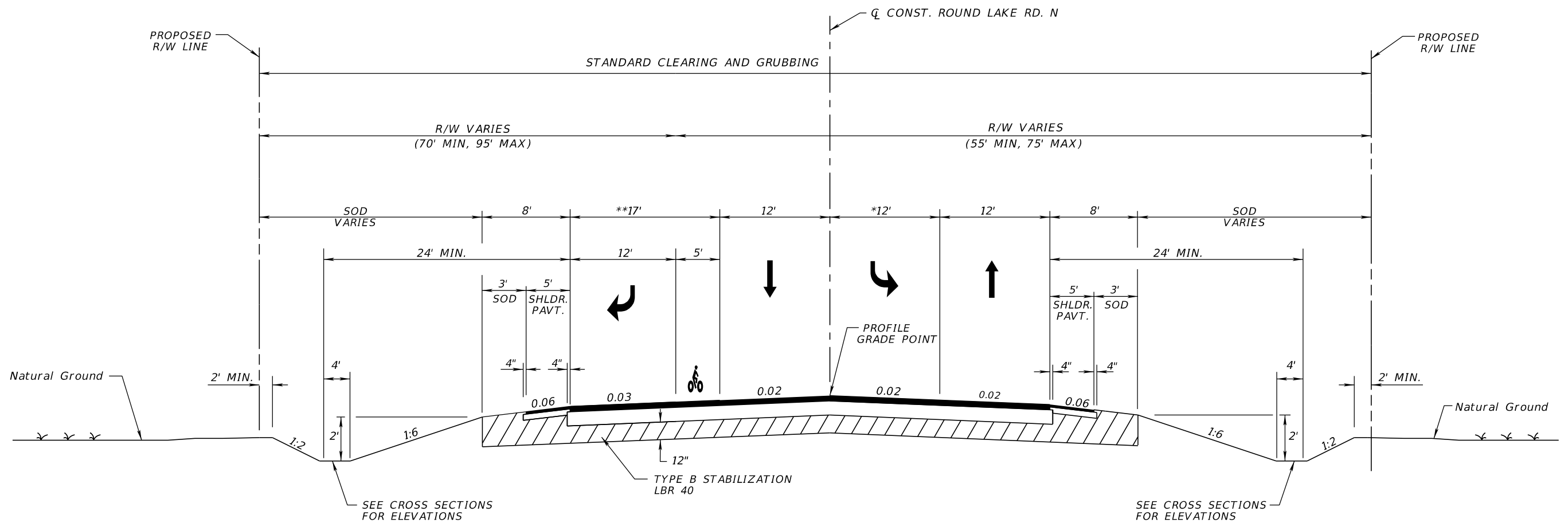
CURRENT YEAR = 2012 AADT = 4,100
 ESTIMATED OPENING YEAR = 2019 AADT = 7,000
 ESTIMATED DESIGN YEAR = 2039 AADT = 16,500
 K = 9% D = 54.7% T = 8.1% (24 HOUR)
 DESIGN HOUR T = 4.1%
 DESIGN SPEED = 45 MPH

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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION ROUND LAKE ROAD	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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



**TYPICAL SECTION NO. 4
ROUND LAKE ROAD NORTH
STA. 108+70.67 TO STA. 119+40.00**

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: <FTP://FTP.DOT.STATE.FL.US/LTS/D5/CONSTRUCTION/PAVEMENTCORINGDATA/>. 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 PMA)

PAVED SHOULDERS

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

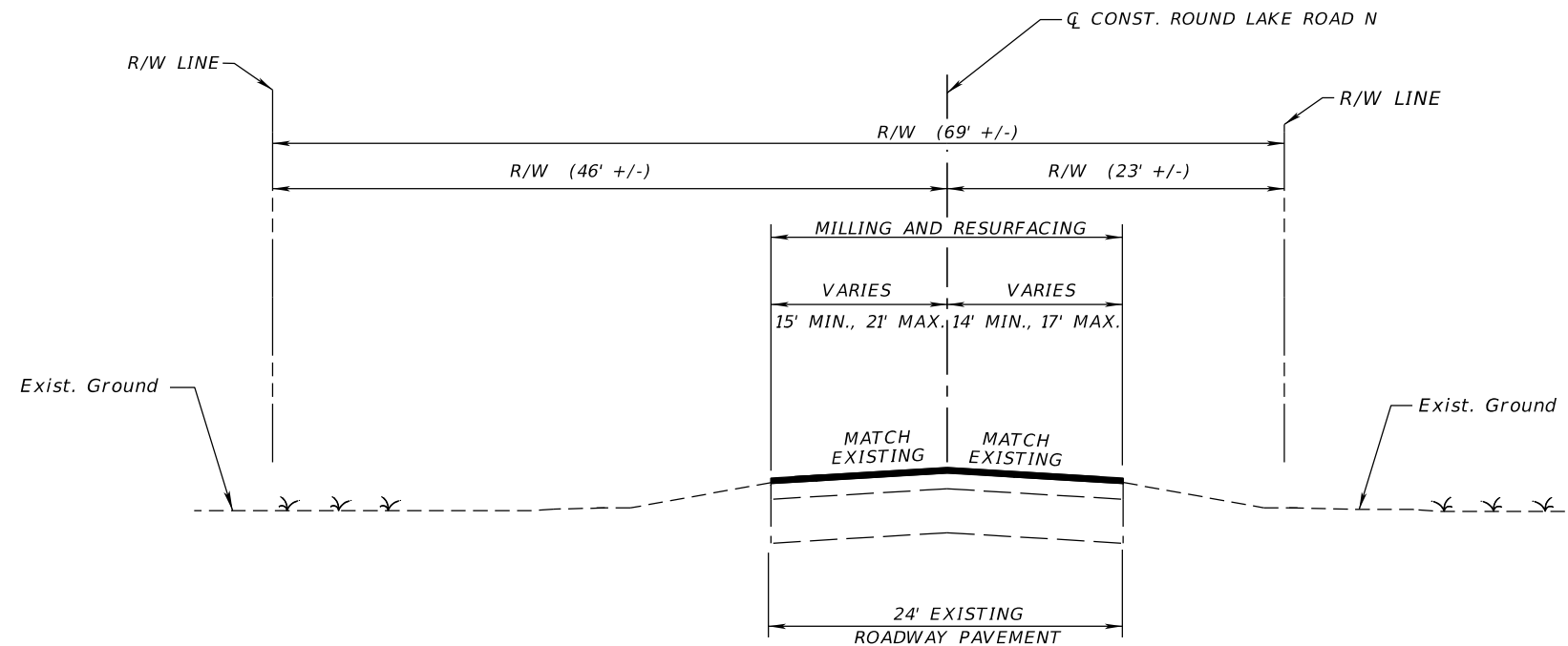
TRAFFIC DATA

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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION ROUND LAKE ROAD	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



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: [FTP://FTP.DOT.STATE.FL.US/LTS/D5/CONSTRUCTION/PAVEMENTCORINGDATA/](ftp://ftp.dot.state.fl.us/lts/d5/construction/pavementcoringdata/). 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. 5
ROUND LAKE ROAD NORTH
STA. 119+40.00 TO STA. 122+50.00**

MILLING

MILL EXISTING ASPHALT PAVEMENT
FOR DEPTH (2")

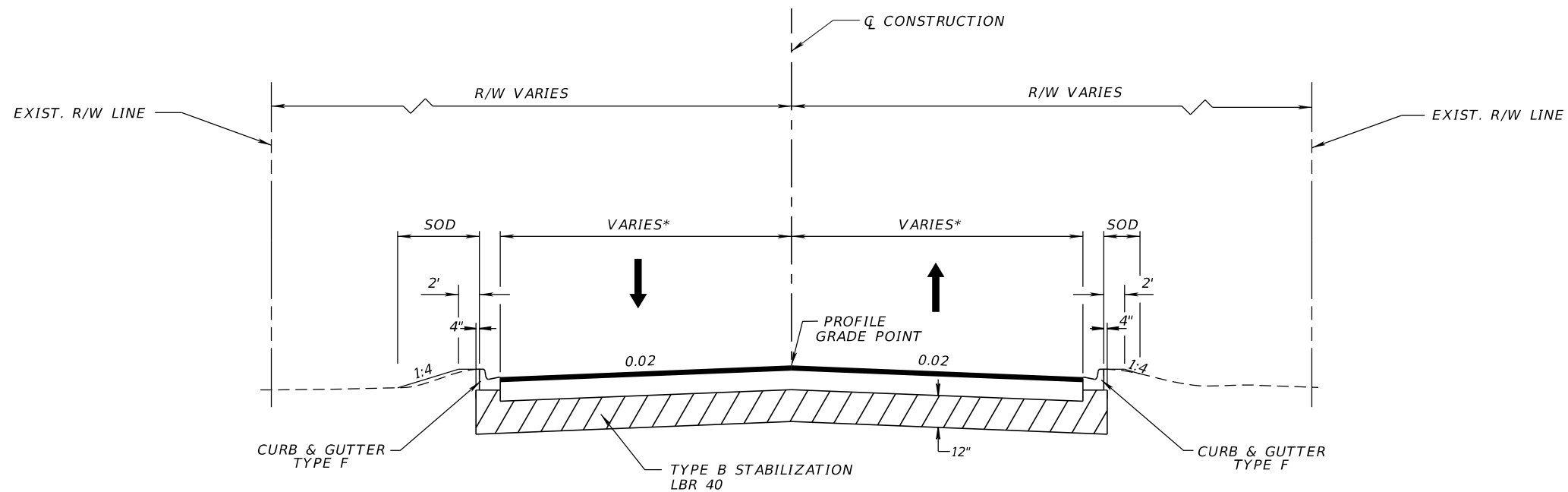
RESURFACING

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

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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION ROUND LAKE ROAD	SHEET NO. 11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



**TYPICAL SECTION NO. 6
SIDESTREETS**

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

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

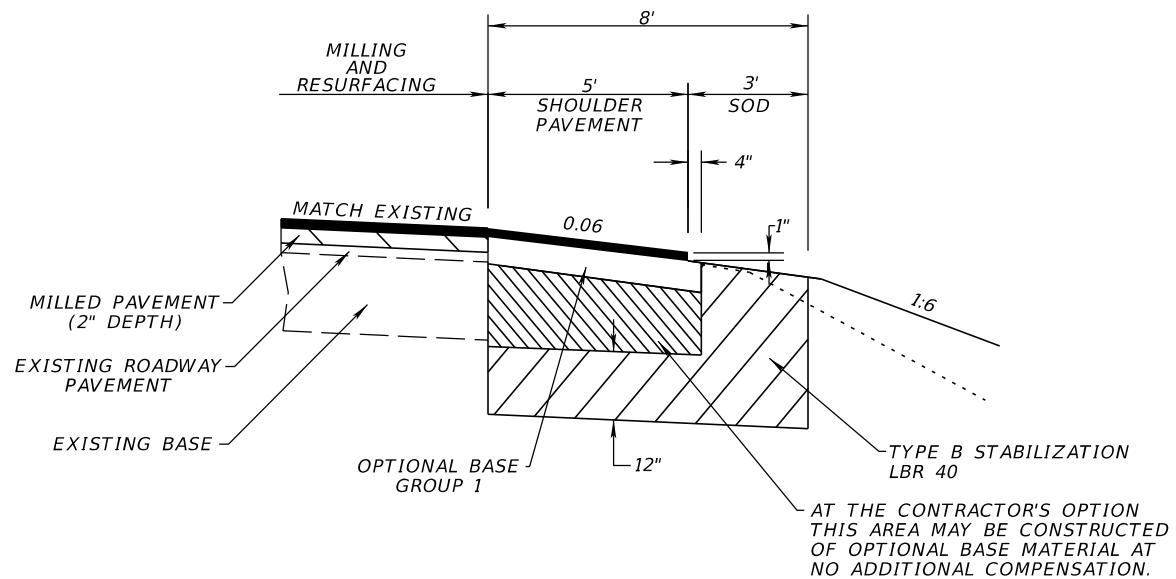
BUTTERCUP LANE
STA. 73+70.00 TO STA. 74+42.33
DESIGN SPEED = 25 MPH

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

NEW CONSTRUCTION

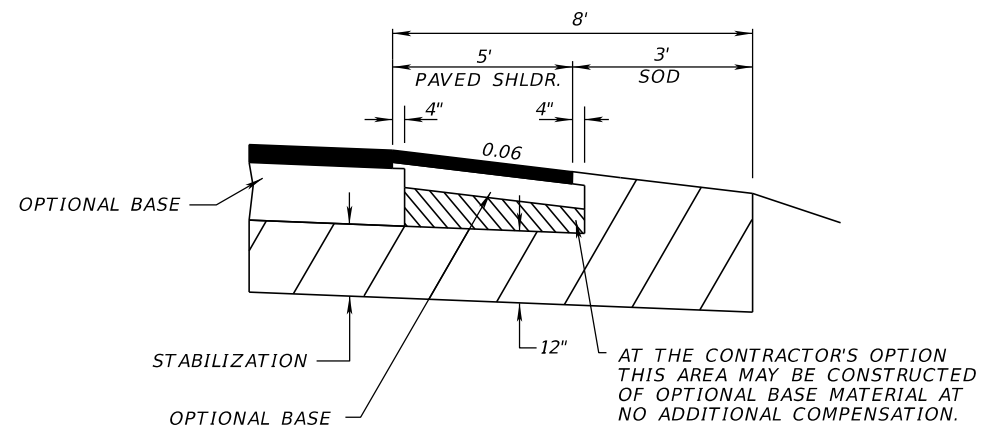
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (1 1/2") (TRAFFIC C) (PG 76-22 PMA)
AND FRICTION COURSE FC-12.5 (1 1/2") (TRAFFIC C) (PG 76-22 PMA)

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION SIDESTREETS	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



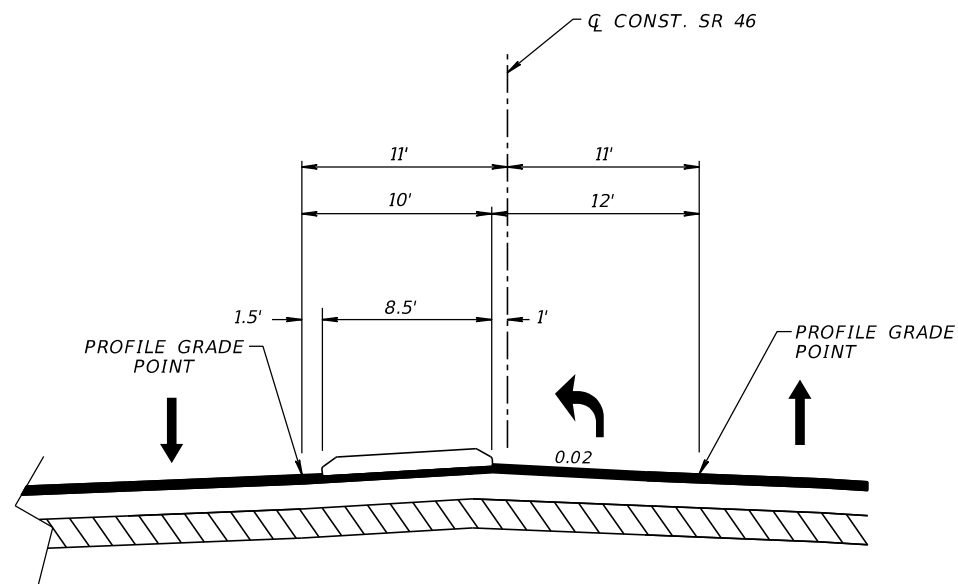
**ROUND LAKE ROAD
RESURFACING &
SHOULDER PAVEMENT DETAIL**

NTS



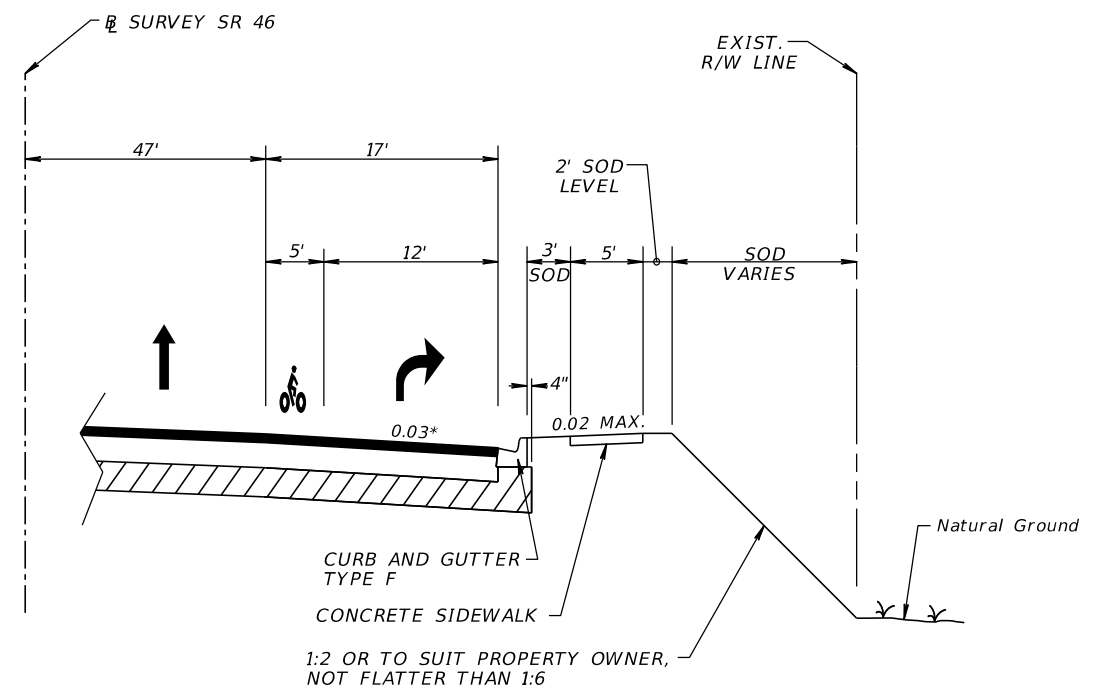
SHOULDER PAVEMENT DETAIL

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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION DETAILS	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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

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
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 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	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS	233	1	1	160			1			
0102 2 1	SPECIAL DETOUR 1	LS	233	1	1	160			1			
0102 2 2	SPECIAL DETOUR 2	LS	233	1	1	160			1			
0102 2 3	SPECIAL DETOUR 3	LS	233	1	1	160			1			
0102 2 4	SPECIAL DETOUR 4	LS	233			160	1	1	1			
0102 2 5	SPECIAL DETOUR 5	LS	233			160	1	1	1		TOP OF THE HILL DRIVE	
0102 14	TRAFFIC CONTROL OFFICER	MH	233	8	8	160	8	8	16			
0102 60	WORK ZONE SIGN	ED	233	32	7456	160	28	4480	11936			
0102 71 14	BARRIER WALL, TEMPORARY, F&I, TYPE K	LF	233	1905	1905	160			1905			
0102 71 24	BARRIER WALL, TEMPORARY, RELOCATE, TYPE K	LF	233	1593	1593	160			1593			
0102 74 1	CHANNELIZING DEVICE-TYPES I, II, DI, VP, DRUM, OR LCD	ED	233	298	69434	160	645	103200	172634			
0102 74 2	CHANNELIZING DEVICE-TYPE III, 6'	ED	233	4	932	160	6	960	1892			
0102 76	ARROW BOARD/ADVANCE WARNING ARROW PANEL	ED	233	1	233	160	1	160	393			
0102 77	HIGH INTENSITY FLASHING LIGHTS, TEMP, TYPE B	ED	233	10	2330	160	9	1440	3770			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	233	2818	2818	160	2382	2382	5200			
0102 89 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	233	4	4	160			4			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	233		254	160	1	160	414			
0710 11111	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID 6"	NM	233	2.398	2.398	160	4.335	4.335	6.733			
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID 24"	LF	233	83	83	160	85	85	168			
0710 11151	PAINTED PAVEMENT MARKINGS, STD, WHITE, 6-10 GAP EXT, 6"	LF	233	203	203	160	274	274	477			
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	233	8	8	160	6	6	14			
0710 11211	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	NM	233	1.556	1.556	160	3.654	3.654	5.210			
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"	LF	223	58	58	160	83	83	141			

<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					<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> <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>		<p align="center">SHEET NO. SQ-2</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																							
46	LAKE	238275-3-52-01																							

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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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 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	

<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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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-7
DATE	DESCRIPTION	DATE	DESCRIPTION																		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																			
46	LAKE	238275-3-52-01																			

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, 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		
0160 4	Type B Stabilization	100+00.00 to 102+72.70		RT	21400			SY	241.96		75378.1		Round Lake Rd. South	
		100+00.00 to 102+68.37		LT	21401				240.37			Round Lake Rd. South		
		102+71.33 to 107+69.66		LT/RT	25967				3748.87			Round Lake Rd. South		
		108+70.11 to 119+40.00		LT/RT	25938				6811.43			Round Lake Rd. North		
		94+00.00 to 149+00.00		LT/RT	79650				64335.50					
285701	Optional Base, Base Group 01	100+00.00 to 102+68.37		LT	21441			SY	158.72		1786.2		Round Lake Rd. South	
		100+00.00 to 102+72.33		RT	21436				161.07			Round Lake Rd. South		
		102+71.67 to 103+52.27		LT	21431				42.03			Round Lake Rd. South		
		102+75.36 to 106+77.00		RT	21422				224.03			Round Lake Rd. South		
		103+81.79 to 105+48.10		LT	12399				88.63			Round Lake Rd. South		
		105+65.03 to 106+28.36		LT	12394				31.42			Round Lake Rd. South		
		106+47.48 to 106+77.00		LT	12598				14.52			Round Lake Rd. South		
		109+28.27 to 113+85.06		LT	12380				248.13			Round Lake Rd. North		
		109+34.16 to 119+39.99		RT	12363				558.90			Round Lake Rd. North		
		114+08.01 to 118+64.01		LT	12374				247.99			Round Lake Rd. North		
		119+15.04 to 119+39.99		LT	12358				10.87			Round Lake Rd. North		
		285706	Optional Base, Base Group 06	102+72.30 to 107+69.66		LT/RT	25132			SY		3037.17		8150.2
108+70.11 to 119+40.00				LT/RT	25106				5113.03		Round Lake Rd. North			
285709	Optional Base, Base Group 09	94+00.00 to 149+00.00		LT/RT	73563			SY	56725.74		59260.1			
		98+53.35 to 99+24.70		RT	28952				441.75					
		102+27.77 to 103+21.45		LT	28947				151.58					
		102+34.65 to 102+93.70		RT	28964				200.38					
		104+92.77 to 106+03.97		RT	71556				241.39					
		113+71.66 to 114+76.75		RT	28981				194.89					
		124+76.38 to 125+96.38		RT	28986				330.99					
		128+63.83 to 129+67.83		RT	71682				361.67					
		132+78.51 to 133+58.51		RT	29006				151.45					
		134+75.82 to 135+52.82		RT	29015				155.73					
		135+56.86 to 136+33.88		RT	29024				174.83					
		145+88.24 to 146+64.24		RT	71547				129.72					
		0327 70 5	Milling Exist Asph Pavt, 2" Avg Depth	100+00.00 to 102+71.60		LT/RT	21593			SY		704.27		1925.9
119+40.00 to 122+50.00				LT/RT	21609				1221.67		Round Lake Rd. North			
0334-1-23	Superpave Asphaltic Concrete (Traffic C, PG 76-22, PMA)	94+00.00 to 143+40.00		LT/RT	89977			TN:1:165	4124.27		5108.0			
		98+45.65 to 99+38.65		RT	24729				36.69					
		102+20.72 to 103+07.62		RT	24744				16.79					
		102+27.77 to 103+21.45		LT	24739				12.50					
		104+92.77 to 106+03.97		RT	24752				19.91					
		113+71.66 to 114+76.75		RT	68171				16.09					
		124+76.39 to 125+96.38		RT	24766				27.11					
		128+63.83 to 129+67.83		RT	24774				29.84					
		132+78.51 to 133+58.51		RT	24783				12.49					
		134+75.82 to 135+52.82		RT	87805				12.85					
		135+56.86 to 136+33.88		RT	24801				14.42					
		138+59.96 to 139+46.96		RT	24814				31.48					
		0337 7 43	Asphaltic Concrete Friction Course (Traffic C, FC-12.5, PG 76-22, PMA)	100+00.00 to 102+72.29		LT/RT	21670			TN:1:220		110.43		7848.9
102+71.71 to 107+69.66				LT/RT	26511				374.31		Round Lake Rd. South			
108+70.11 to 122+50.00				LT/RT	26547				805.21		Round Lake Rd. North			
		94+00.00 to 149+00.00		LT	26126			TN:1:165	4919.20					

<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 BUMBAY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<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-9
DATE	DESCRIPTION	DATE	DESCRIPTION																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																										
46	LAKE	238275-3-52-01																										

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, 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 7	Concrete Curb & Gutter, Type E	94+00.00 to 98+19.84	RT		LF	419.8			419.8	6096				
		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+13.28	LT		LF	113.3			113.3	11764				
		94+00.00 to 98+82.15	RT			605.4			605.4					
		95+13.28 to 95+33.28	LT			20.0			20.0					
		95+33.28 to 99+95.83	LT			462.6			462.6					
		98+69.96 to 102+54.40	RT			572.3			572.3					
		99+95.83 to 100+15.83	LT			20.0			20.0					
		100+15.83 to 102+59.87	LT			294.0			294.0					
		102+75.22 to 105+31.27	RT			341.7			341.7					
		102+88.90 to 102+89.44	LT			5.7			5.7					
		102+88.90 to 102+99.62	LT			22.6			22.6					
		102+99.62 to 103+07.98	LT			10.0			10.0					
		103+07.98 to 103+21.94	LT			14.4			14.4					
		103+21.94 to 105+77.05	LT			255.1			255.1					
		105+65.47 to 112+41.30	RT			703.9			703.9					
		105+77.05 to 105+83.05	LT			6.0			6.0					
		105+83.05 to 106+07.05	LT			24.0			24.0					
		106+07.05 to 121+84.89	LT			1577.9			1577.9					
		112+41.30 to 112+61.30	RT			20.0			20.0					
		112+61.30 to 114+04.63	RT			163.0			163.0					
		114+43.77 to 125+13.59	RT			1104.5			1104.5					
		121+84.89 to 122+04.89	LT			20.0			20.0					
		122+04.89 to 129+52.54	LT			747.7			747.7					

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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-11

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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)	125+57.88 to 129+02.51	RT		LF	410.1			410.1					
		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+01.87 to 129+02.23	RT				3.0			3.0				
		129+02.23 to 129+02.51	RT				33.8			33.8				
		129+28.57 to 129+28.87	RT				33.3			33.3				
		129+28.57 to 129+28.88	RT				3.0			3.0				
		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+28.87 to 133+07.01	RT				437.8			437.8				
		129+52.54 to 129+72.54	LT				20.0			20.0				
		129+72.54 to 142+14.53	LT				1300.0			1300.0				
		133+30.01 to 135+04.32	RT				219.0			219.0				
		135+29.32 to 135+84.40	RT				97.0			97.0				
		136+05.40 to 138+88.46	RT				327.8			327.8				
		139+18.46 to 140+40.73	RT				146.3			146.3				
		140+40.73 to 140+60.73	RT				20.0			20.0				
		140+60.73 to 142+28.18	RT				223.5			223.5				
		142+80.94 to 149+00.19	LT				648.9			648.9				
		142+88.87 to 146+16.74	RT				419.6			419.6				
146+35.74 to 148+49.65	RT				236.3			236.3						
148+49.65 to 148+69.65	RT				20.0			20.0						
148+69.65 to 149+00.00	RT				30.4			30.4						
0520 3	Valley Gutter - Concrete	100+52.82 to 100+80.04	LT		LF	27.2			27.2	260				
		100+80.04 to 102+18.47	LT			138.4			138.4					
		102+18.47 to 102+25.61	LT			7.1			7.1					
		138+59.96 to 138+73.06	RT			13.1			13.1					
		138+73.06 to 139+33.91	RT			60.8			60.8					
0520 5 16	Traffic Separator Concrete - Type I, 8.5' wide	139+33.91 to 139+46.96	RT		LF	13.1			13.1	2112				
		98+70.00 to 101+60.00	LT			296.7			296.7					
		103+23.80 to 105+75.00	RT			257.9			257.9					
		114+87.15 to 117+35.00	RT			254.5			254.5					
		126+05.00 to 128+41.06	LT			242.7			242.7					
		129+84.80 to 132+30.00	RT			251.9			251.9					
		137+60.00 to 141+70.00	LT			416.7			416.7					
143+39.94 to 147+25.00	RT			391.7			391.7							

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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 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 94+57.42	LT	6946			32.0							
94+00.00 to 98+70.97	RT	22702			259.8							
94+69.42 to 95+17.27	LT	6954			26.7							
95+29.27 to 99+99.77	LT	6965			256.9							
99+16.34 to 102+43.04	RT	22684			177.9							
100+11.74 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 112+40.29	RT	22651			367.8							
106+03.05 to 121+88.89	LT	7247			881.2							
112+52.28 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					
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					
129+29.38 to 129+38.07	RT	27196					27.4					
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	46307						13.1				
99+17.71 to 99+24.91	RT	46313						13.1				
102+34.47 to 102+41.67	RT	46318						13.1				
102+40.58 to 102+47.78	LT	46442						13.1				
102+86.67 to 102+93.87	RT	46323						13.1				
103+00.99 to 103+08.19	LT	46443						13.1				
105+07.57 to 105+15.43	RT	46412						14.1				
105+81.31 to 105+89.17	RT	46406						14.1				
113+85.41 to 113+92.61	RT	46401						13.1				
114+55.81 to 114+63.01	RT	46324						13.1				
124+91.18 to 124+99.05	RT	46418						14.1				
125+74.39 to 125+81.59	RT	46329						13.1				
SUB-TOTAL :					5820		676		160			
TOTAL :					5820		676		391			

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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 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	0527	2		
STA. TO STA.					SY		SY		SF			
					P	F	P	F	P	F		
128+78.63 to 128+86.49	RT	46427							14.1			
129+45.16 to 129+53.03	RT	46430							14.1			
132+91.12 to 132+97.59	RT	46394							12.0			
133+39.44 to 133+45.91	RT	46389							12.0			
134+88.43 to 134+94.89	RT	46374							12.0			
135+37.89 to 135+46.11	RT	46359							15.0			
135+63.31 to 135+72.56	RT	46364							16.6			
136+17.23 to 136+26.48	RT	46369							16.6			
138+75.24 to 138+77.24	RT	46348							11.0			
139+29.24 to 139+31.24	RT	46349							11.0			
141+79.44 to 141+83.50	RT	47326							8.0			
141+79.56 to 141+83.90	LT	47330							8.0			
141+99.33 to 142+06.80	RT	46464							11.1			
142+05.69 to 142+10.97	LT	46504							9.5			
142+98.33 to 143+03.62	RT	46499							9.5			
143+02.09 to 143+09.54	LT	46509							11.1			
143+26.09 to 143+30.41	RT	47321							8.0			
143+26.47 to 143+30.51	LT	46480							8.0			
146+00.85 to 146+07.32	RT	46379							12.0			
146+45.17 to 146+51.63	RT	46384							12.0			
SUB-TOTAL:									231			

SUMMARY OF DITCH PAVEMENT								
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONCRETE DITCH PAVEMENT - NON-REINF (4")		DESIGN NOTES	CONSTRUCTION REMARKS
					0524	1 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				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO. SQ-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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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 94+52.45	LT	23020			16.7			
94+00.00 to 94+57.42	LT	33130			94.1			
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			
94+67.78 to 95+19.74	LT	33140			149.6			
94+74.42 to 95+12.34	LT	23025			11.0			
95+29.27 to 99+99.74	LT	23366			930.0			
95+34.26 to 99+94.80	LT	23030			151.9			
98+69.92 to 102+53.90	RT	23434			422.4			
99+24.91 to 102+34.47	RT	22940			100.2			
100+03.63 to 102+59.37	LT	23345			625.7			
100+16.80 to 102+40.58	LT	23035			83.1			
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			1667.7			
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			
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			
SUB-TOTAL:					31531			
TOTAL:					41590			

<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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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																							

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, 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	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'	18"				24"	SY	TN			
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					<u>P Total</u>	1350	517	634	0	0	0	9	1	2	1	1	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<u>F Total</u>																															

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 RICHARD D. BOBLETZ, P.E. P.E. NUMBER 40049 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

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, 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	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'													
P	S-19	114+90.00	RT.	Inlet, Pipe	1	108																																
F																																						
P	S-20	118+00.00	LT.	Manhole, Pipe	1			295																														
F																																						
P	S-21	121+00.00	RT.	Inlet, Pipe	1	108																																
F																																						
P	S-22	121+00.00	LT.	Inlet, Pipe	1			364																													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			245																													6.0' DIA. BOTTOM	
F																																						
P	S-25	127+20.00	LT.	Manhole, Pipe	1			209																													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			258																													7.0' DIA. BOTTOM	
F																																						
P	S-31	129+35.00	LT.	Inlet, Pipe	1			7																														
F																																						
P	S-32	132+00.00	RT.	Inlet, Pipe	1	108																																
F																																						
P	S-33	132+00.00	LT.	Inlet, Pipe	1			253																													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			189																													7.0' DIA. BOTTOM	
F																																						
P	S-36	136+55.00	LT.	Manhole, Pipe	1			189																													5.0' DIA. BOTTOM	
F																																						
Sheet Summary						788	0	911	1098	0	0	6	0	3	2	0	2	0	0	1	1	1	1	0	0	1	0	0	0	0								

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 RICHARD D. BOBLETZ, P.E. P.E. NUMBER 40049 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					15

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

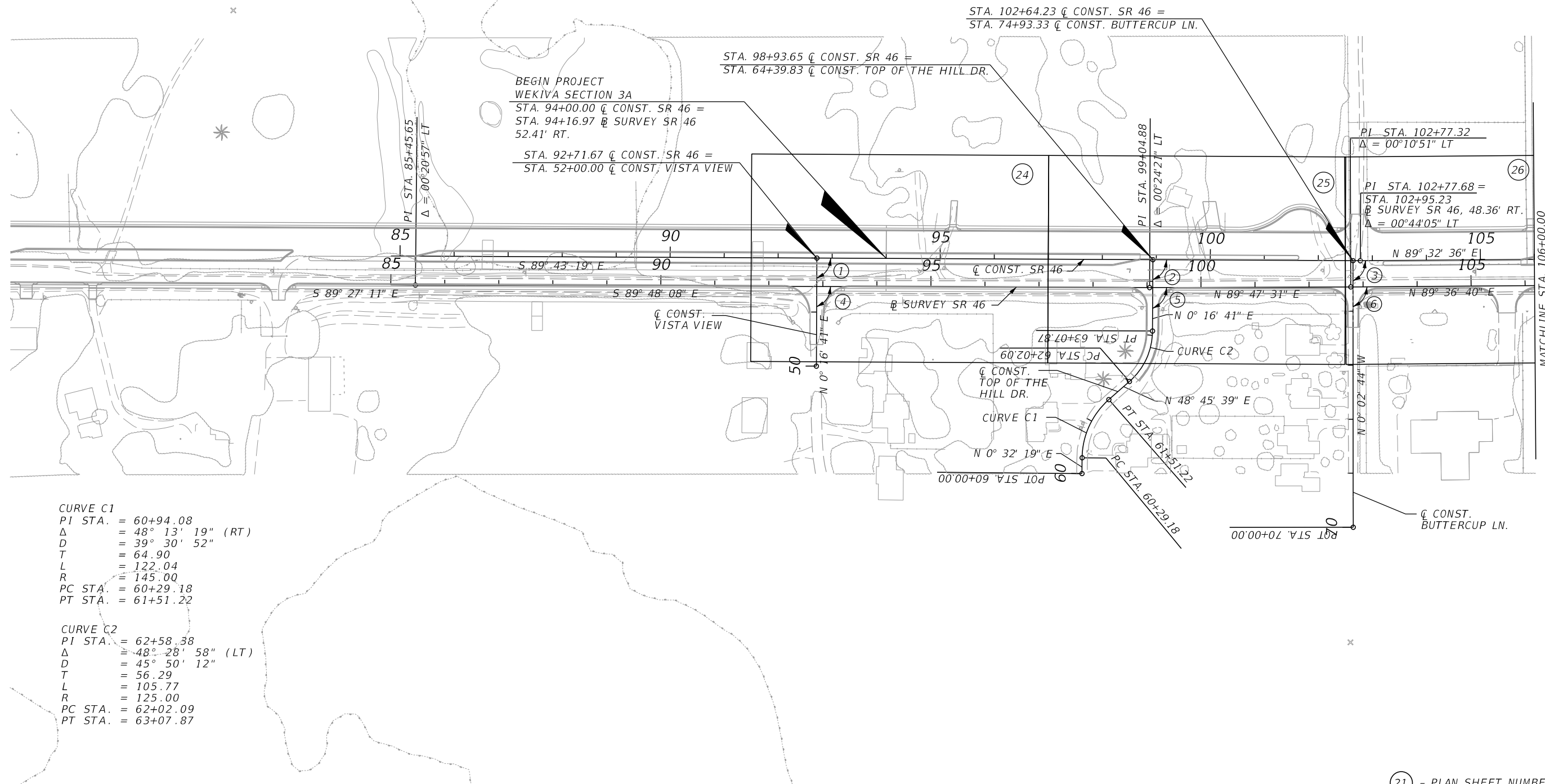
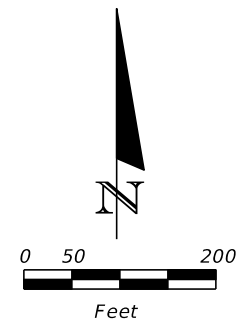
QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL						CURB INLETS							MANHOLES				DITCH BOTTOM INLETS			MITERED END SECTION		SODDING	RUBBLE RIP-RAP DITCH LINING	REMARKS							
						ROUND						P-1	P-2	J-1	J-1	J-2	P-3	P-5	P-5	P-7	P-7	J-7	J-7	C	D	E	18"				24"	SY	TN				
						18"	24"	30"	36"	42"	48"	<10'	<10'	<10'	>10'	<10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	<10'	<10'												
P	S-54	145+80.00	RT.	Manhole, Pipe	1				68											1																	
F																																					
P	S-55	145+80.00	RT.	Inlet, Pipe	1	47																															
F																																					
P	S-56	145+80.00	RT.	Inlet, Pipe	1	22																1															
F																																					
P	S-57	146+75.00	RT.	Inlet, Pipe	1	91																															
F																																					
P	S-58	146+80.00	LT.	Inlet, Pipe	1	9																1															
F																																					
P	S-59	146+80.00	LT.	Inlet, Pipe	1										217																					8.0' DIA. BOTTOM	
F																																					
P	S-100	106+70.00	LT.	Inlet, Pipe	1	83																1															
F																																					
P	S-101	105+85.00	LT.	Inlet, Pipe	1	63																1															
F																																					
P	S-102	105+15.00	LT.	MES	1																					1		22							1:2 SLOPE		
F																																					
P	S-110	103+28.35	LT.&RT.	MES, Pipe, MES	1		60																				2	56	17						1:4 SLOPE		
F																																					
Sheet Summary				P Total	315	60	0	68	0	217	2	0	0	0	1	0	0	0	0	0	0	1	4	0	0	1	2	78	17								
Final Summary				F Total	3398	691	1545	1183	302	708	22	1	6	5	2	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 RICHARD D. BOBLETZ, P.E. P.E. NUMBER 40049 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				17

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INTERSECTION ANGLES

- ① 90°00'00"
- ② 90°00'00"
- ③ 89°40'35"
- ④ 90°04'49"
- ⑤ 90°29'10"
- ⑥ 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

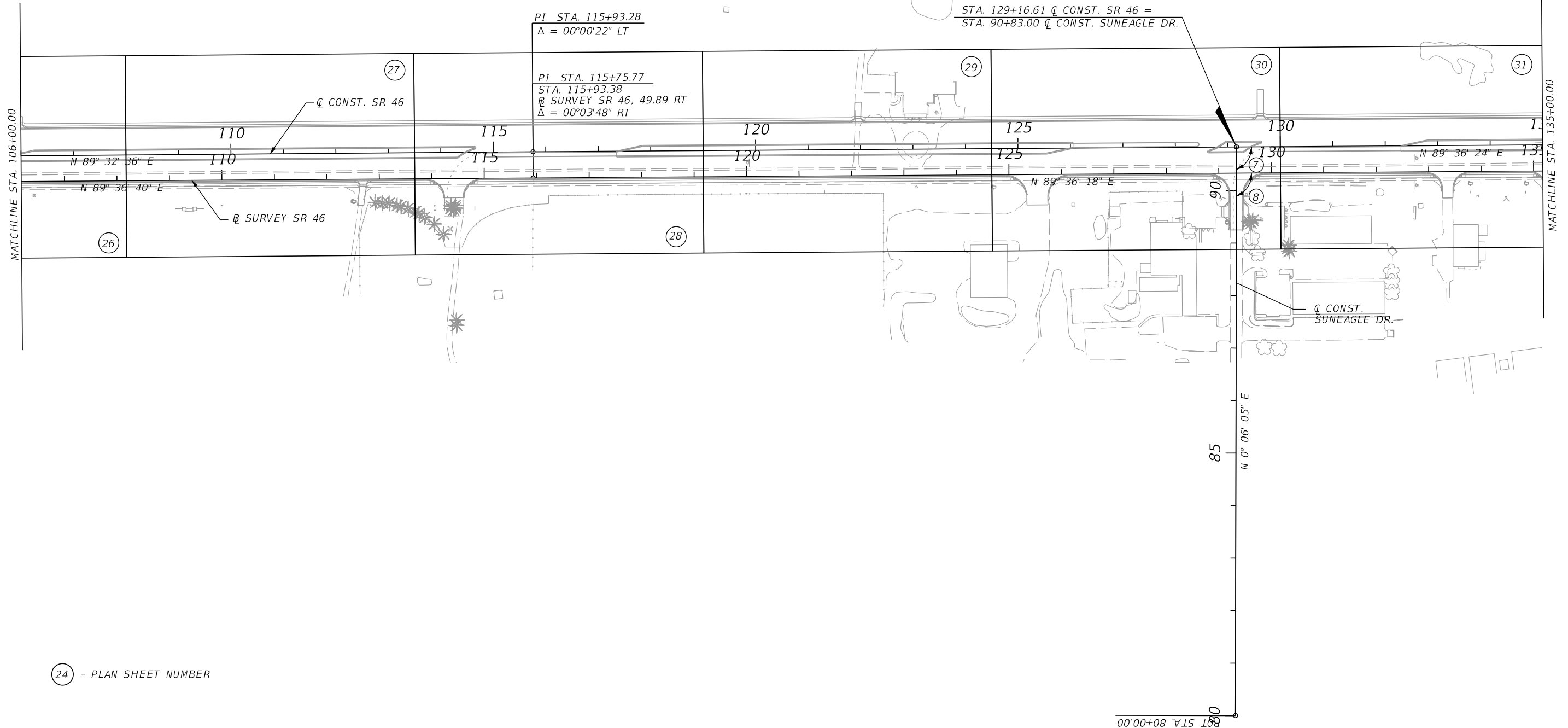
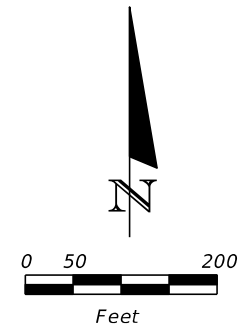
②1 - PLAN SHEET NUMBER

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		

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INTERSECTION ANGLES

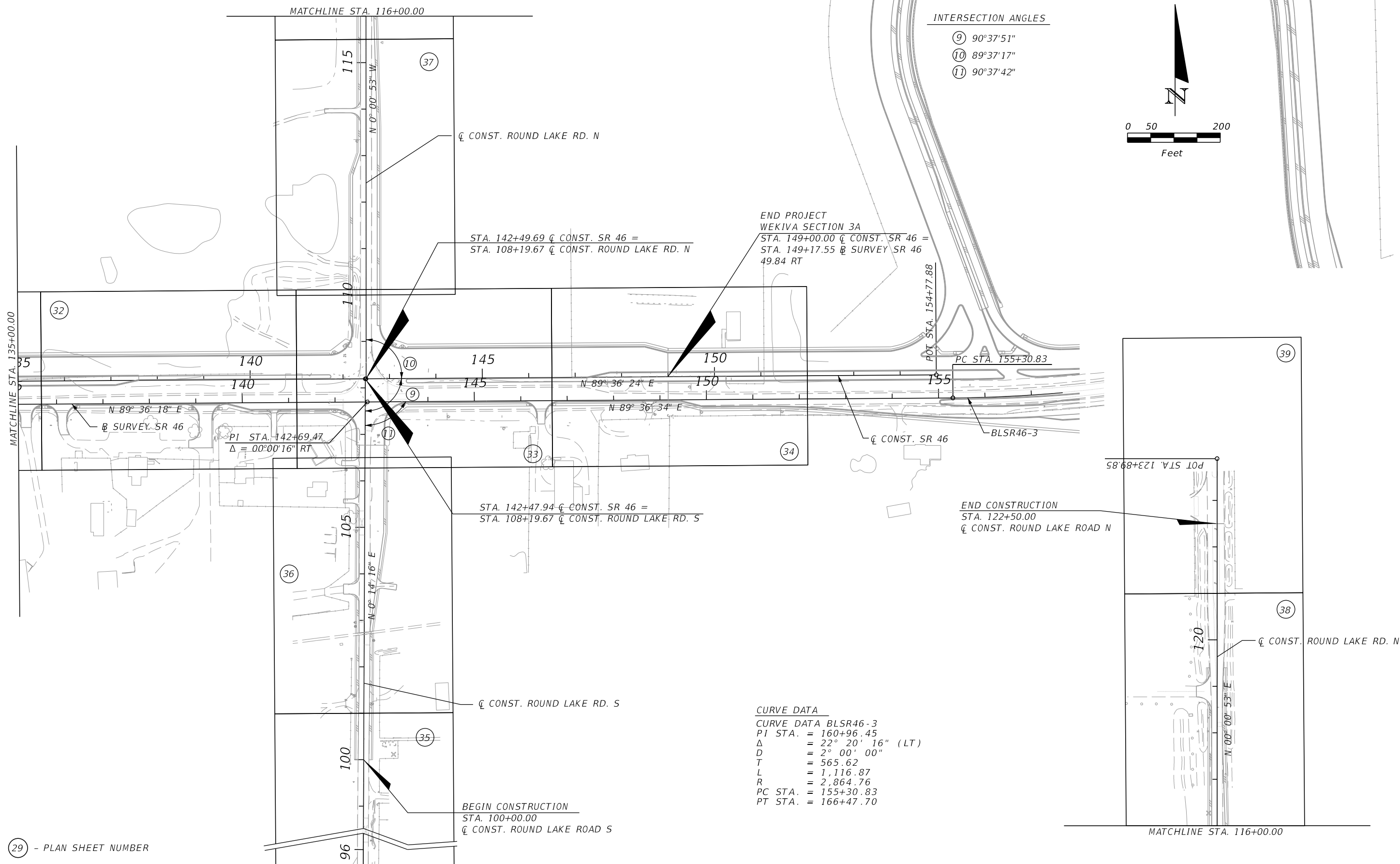
- ⑦ 90°29'41"
- ⑧ 90°29'47"



②4 - PLAN SHEET NUMBER

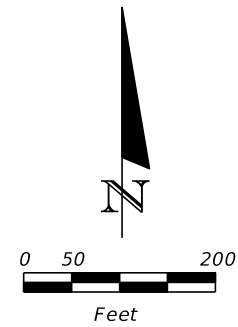
REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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INTERSECTION ANGLES

- ⑨ 90°37'51"
- ⑩ 89°37'17"
- ⑪ 90°37'42"



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

STA. 142+49.69 \bar{C} CONST. SR 46 =
STA. 108+19.67 \bar{C} CONST. ROUND LAKE RD. N

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

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

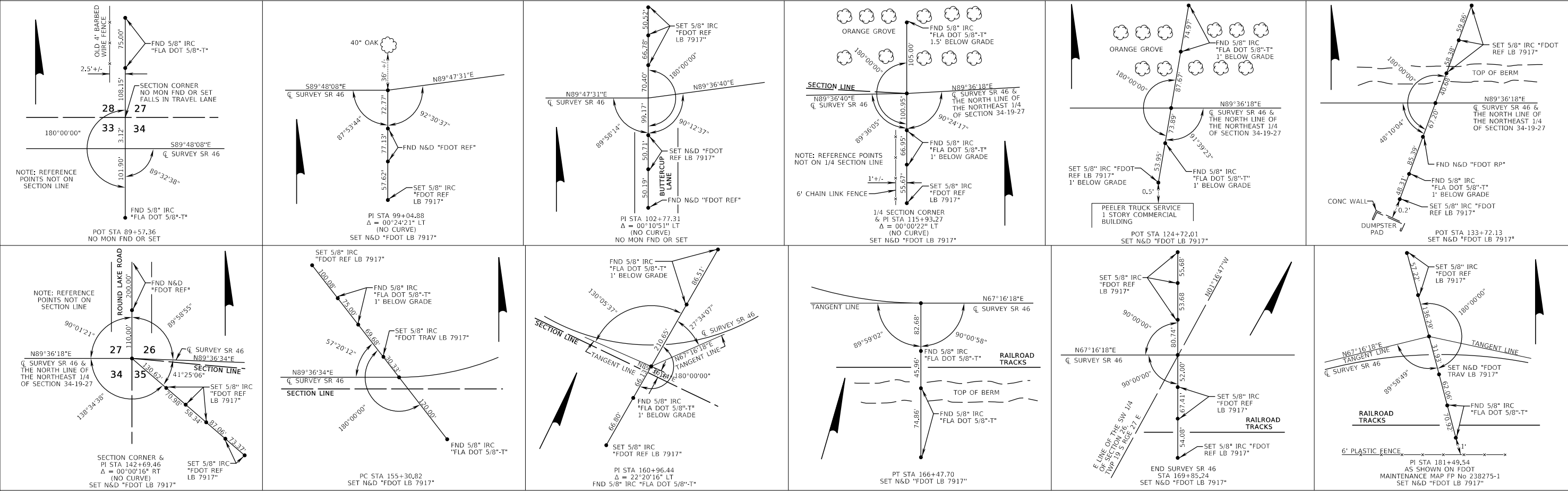
CURVE DATA
CURVE DATA BLSR46-3
PI STA. = 160+96.45
 Δ = 22° 20' 16" (LT)
D = 2° 00' 00"
T = 565.62
L = 1,116.87
R = 2,864.76
PC STA. = 155+30.83
PT STA. = 166+47.70

②9 - PLAN SHEET NUMBER

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT	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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				46	LAKE	238275-3-52-01	PROJECT LAYOUT	

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GENERAL NOTES:

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
2. BUILDINGS TO BE REMOVED BY OTHERS, UNLESS OTHERWISE NOTED.
3. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.
4. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
5. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
6. 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
7. 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.
8. ALL DRAINAGE PIPES HAVE OPTIONAL MATERIALS. THE OPTIONAL MATERIALS TABULATION SHEET(S) SHOWS ALL MATERIALS ALLOWED AND INDICATES WHICH MATERIAL IS PLOTTED IN THE PLANS AND USED AS THE BASIS FOR PAY QUANTITIES.
9. IF ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, IMMEDIATELY NOTIFY THE ENGINEER IN CONJUNCTION WITH THE DISTRICT LOCATION SURVEYOR.
10. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS.
11. DRAINAGE STRUCTURES: STATION/OFFSET SHOWN IN PLANS REFERS TO THE POINT CALLED "LOCATION REFERENCE" IN THE APPROPRIATE STANDARD INDEX FOR THAT TYPE OF STRUCTURE. (INLETS, DBI AND MES). SEE INDEXES 210, 211, 232 AND 273. MANHOLE STATION/OFFSET IS TO THE CENTERLINE OF RISER.
12. AN EASTERN INDIGO SNAKE PROTECTION/EDUCATION PLAN SHALL BE DEVELOPED BY THE APPLICANT OR REQUESTOR FOR ALL CONSTRUCTION PERSONNEL TO FOLLOW. THE PLAN SHALL BE PROVIDED TO THE SERVICE FOR REVIEW AND APPROVAL AT LEAST 30 DAYS PRIOR TO ANY CLEARING ACTIVITIES. THE EDUCATIONAL MATERIALS FOR THE PLAN MAY CONSIST OF A COMBINATION OF POSTERS, VIDEOS, PAMPHLETS, AND LECTURES (E.G., AN OBSERVER TRAINED TO IDENTIFY EASTERN INDIGO SNAKES COULD USE THE PROTECTION/EDUCATION PLAN TO INSTRUCT CONSTRUCTION PERSONNEL BEFORE ANY CLEARING ACTIVITIES OCCUR.) INFORMATIONAL SIGNS SHOULD BE POSTED THROUGHOUT THE CONSTRUCTION SITE AND ALONG ANY PROPOSED ACCESS ROAD TO CONTAIN THE FOLLOWING INFORMATION:
 - a. A DESCRIPTION OF THE EASTERN INDIGO SNAKE, ITS HABITS, AND PROTECTION UNDER FEDERAL LAW;
 - b. INSTRUCTION NOT TO INJURE, HARM, HARASS OR KILL THIS SPECIES;
 - c. DIRECTIONS TO CEASE CLEARING ACTIVITIES AND ALLOW THE EASTERN INDIGO SNAKE SUFFICIENT TIME TO MOVE AWAY FROM THE SITE ON ITS OWN BEFORE RESUMING CLEARING; AND
 - d. TELEPHONE NUMBERS OF PERTINENT AGENCIES TO BE CONTACTED IF A DEAD EASTERN INDIGO SNAKE IS ENCOUNTERED. THE DEAD SPECIMEN SHOULD BE THOROUGHLY SOAKED IN WATER AND THEN FROZEN.
13. IF NOT CURRENTLY AUTHORIZED THROUGH AN INCIDENTAL TAKE STATEMENT IN ASSOCIATION WITH A BIOLOGICAL OPINION, ONLY INDIVIDUALS WHO HAVE BEEN EITHER AUTHORIZED BY A SECTION 10(a)(1)(A) PERMIT ISSUED BY THE SERVICE, OR BY THE STATE OF FLORIDA THROUGH THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) FOR SUCH ACTIVITIES, ARE PERMITTED TO COME IN CONTACT WITH AN EASTERN INDIGO SNAKE.
14. AN EASTERN INDIGO SNAKE MONITORING REPORT MUST BE SUBMITTED TO THE APPROPRIATE FLORIDA FIELD OFFICE WITHIN 60 DAYS OF THE CONCLUSION OF CLEARING PHASES. THE REPORT SHOULD BE SUBMITTED WHETHER OR NOT EASTERN INDIGO SNAKES ARE OBSERVED. THE REPORT SHOULD CONTAIN THE FOLLOWING INFORMATION:
 - a. ANY SIGHTINGS OF EASTERN INDIGO SNAKES AND
 - b. OTHER OBLIGATIONS REQUIRED BY THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION, AS STIPULATED IN THE PERMIT.
15. 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.

RAILROAD GENERAL NOTES:

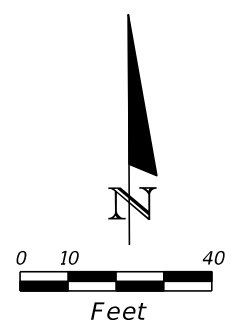
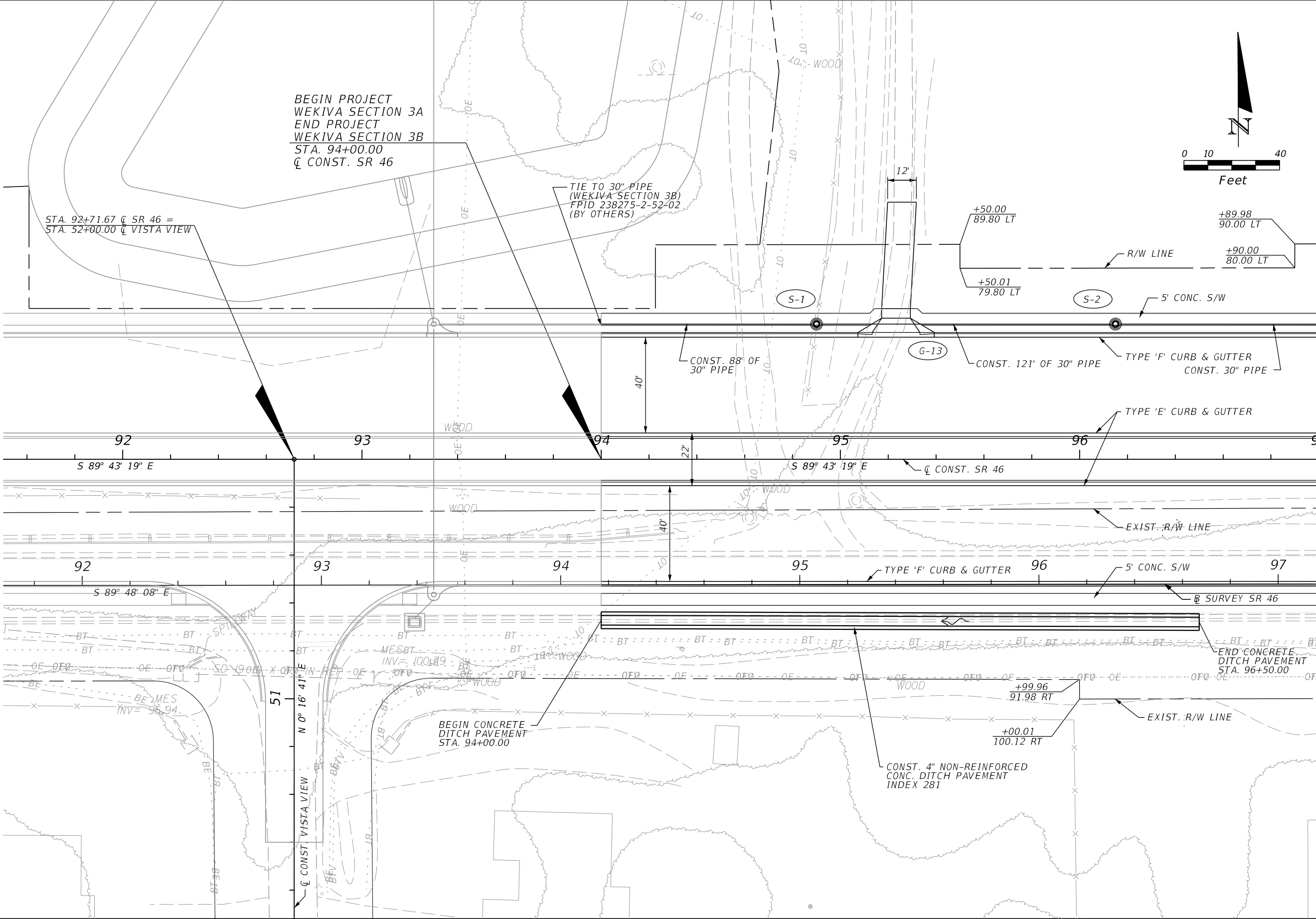
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE RAILROAD TO SCHEDULE RAILROAD WATCHMAN/FLAGGING SERVICES AND SHALL NOT ENTER RAILROAD RIGHT-OF-WAY WITHOUT FIRST OBTAINING THE REQUIRED RAILROAD WATCHMAN/FLAGGING SERVICES.
2. TO REQUEST RAILROAD WATCHMAN/FLAGGING SERVICES, THE CONTRACTOR SHALL CALL JUDY ROBINSON, AT THE RAILROAD, AT (407-880-8500) AND SEND AN EMAIL TO JROB@FCRR.COM, A MINIMUM OF 72 HOURS PRIOR TO RAILROAD RIGHT-OF-WAY ENCROACHMENTS. THE RAILROAD WILL ISSUE A "STOP & FLAG ORDER" TO THE TRAIN CREW.
3. FOR UTILITY LOCATES, ONLY HAND-DIGGING WILL BE ALLOWED WITHIN THE RAILROAD RIGHT-OF-WAY. ALL UTILITY WORK PERFORMED WITHIN THE RAILROAD RIGHT-OF-WAY, MUST CONFORM TO RAILROAD SPECIFICATIONS.
4. THE CONTRACTOR MUST IDENTIFY THE WORK AS A FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT, WHEN REQUESTING RAILROAD WATCHMAN/FLAGGING SERVICES.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY "DELAY OF TRAIN" PENALTIES IMPOSED BY THE RAILROAD. INVOICES FOR SUCH PENALTIES, RECEIVED BY THE DEPARTMENT, WILL BE FORWARDED TO THE CONTRACTOR, FOR PAYMENT. IF THE CONTRACTOR FAILS TO PAY SUCH PENALTIES, THE DEPARTMENT MAY DEDUCT SAID AMOUNT FROM PAYMENTS MADE TO THE CONTRACTOR.
6. ALL LABOR, SERVICES, MATERIALS AND EQUIPMENT FURNISHED BY THE RAILROAD, IN EXECUTING THE WORK TO BE PERFORMED, SHALL BE BILLED DIRECTLY TO THE DEPARTMENT OF TRANSPORTATION, BY THE RAILROAD.

PAY ITEM NOTES:

- 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 DEPARTMENT HAS PAID ALL MITIGATION AND RECIPIENT SITE FEES, INCLUDING TRANSPORTATION OF CAPTURED TORTOISES TO THE RECIPIENT SITE AND ENCLOSURE AT THE RECIPIENT SITE, AND THE DEPARTMENT 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.
- 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 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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		

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



MATCHLINE STA. 97+00.00

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

STA. 92+71.67 CL SR 46 =
STA. 52+00.00 CL VISTA VIEW

TIE TO 30" PIPE
(WEKIVA SECTION 3B)
FPID 238275-2-52-02
(BY OTHERS)

+50.00
89.80 LT
+50.01
79.80 LT

+89.98
90.00 LT
+90.00
80.00 LT

CONST. 88' OF
30" PIPE

CONST. 121' OF 30" PIPE

TYPE 'F' CURB & GUTTER
CONST. 30" PIPE

TYPE 'E' CURB & GUTTER

92
S 89° 43' 19" E

95
S 89° 43' 19" E

92
S 89° 48' 08" E

TYPE 'F' CURB & GUTTER

5' CONC. S/W

CL SURVEY SR 46

END CONCRETE
DITCH PAVEMENT
STA. 96+50.00

BEGIN CONCRETE
DITCH PAVEMENT
STA. 94+00.00

+99.96
91.98 RT
+00.01
100.12 RT

CONST. 4" NON-REINFORCED
CONC. DITCH PAVEMENT
INDEX 281

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

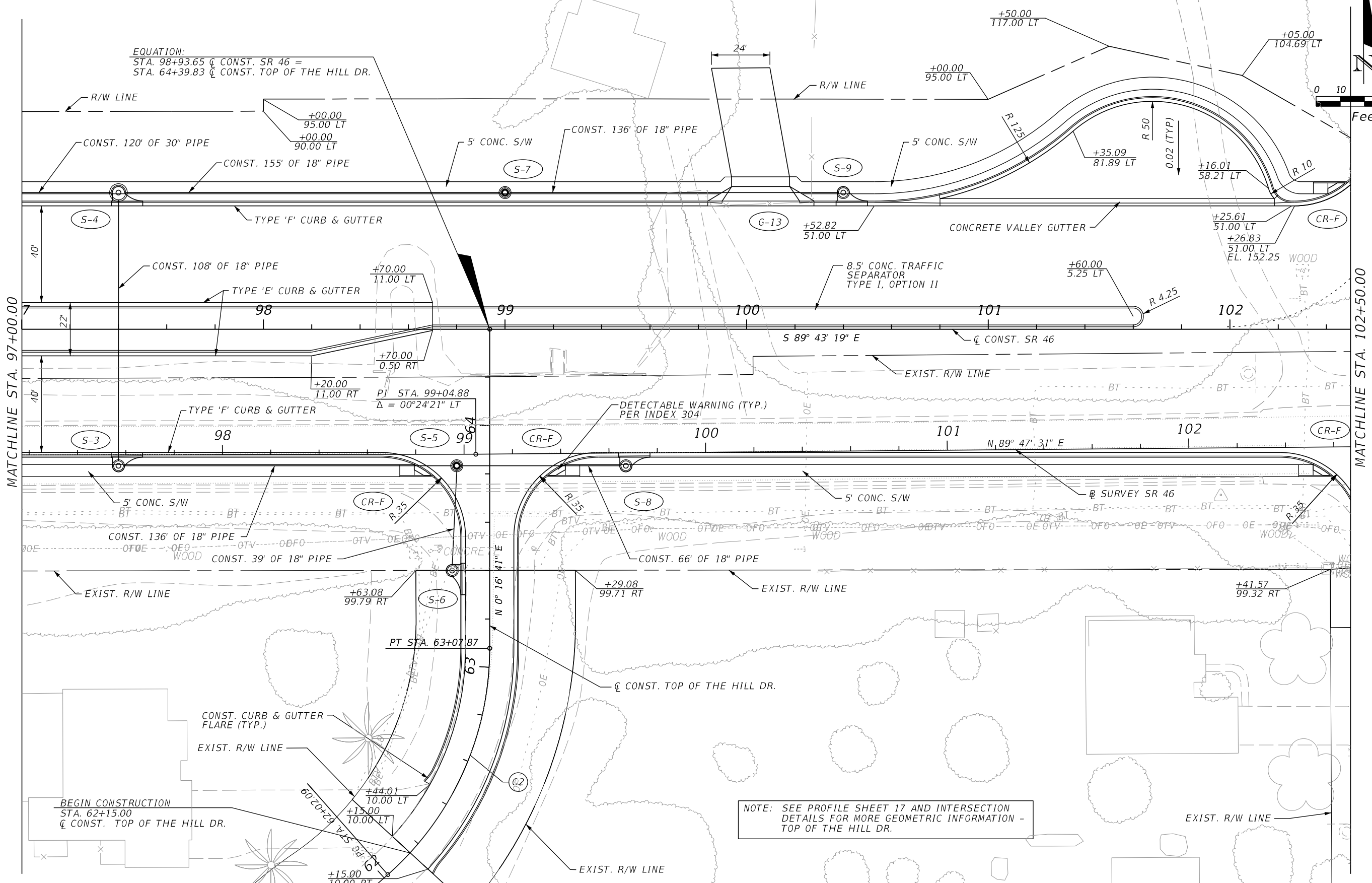
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
FOREST W. ADKINS, P.E.
P.E. NUMBER 56003
CERTIFICATE OF AUTHORIZATION NO. 2856

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

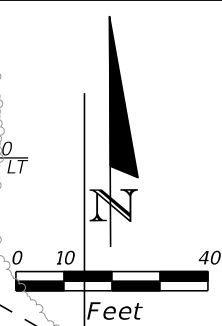
PLAN SHEET 1
SR 46

SHEET
NO.
24

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EQUATION:
 STA. 98+93.65 \bar{C} CONST. SR 46 =
 STA. 64+39.83 \bar{C} CONST. TOP OF THE HILL DR.



MATCHLINE STA. 97+00.00

MATCHLINE STA. 102+50.00

NOTE: SEE PROFILE SHEET 17 AND INTERSECTION DETAILS FOR MORE GEOMETRIC INFORMATION - TOP OF THE HILL DR.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

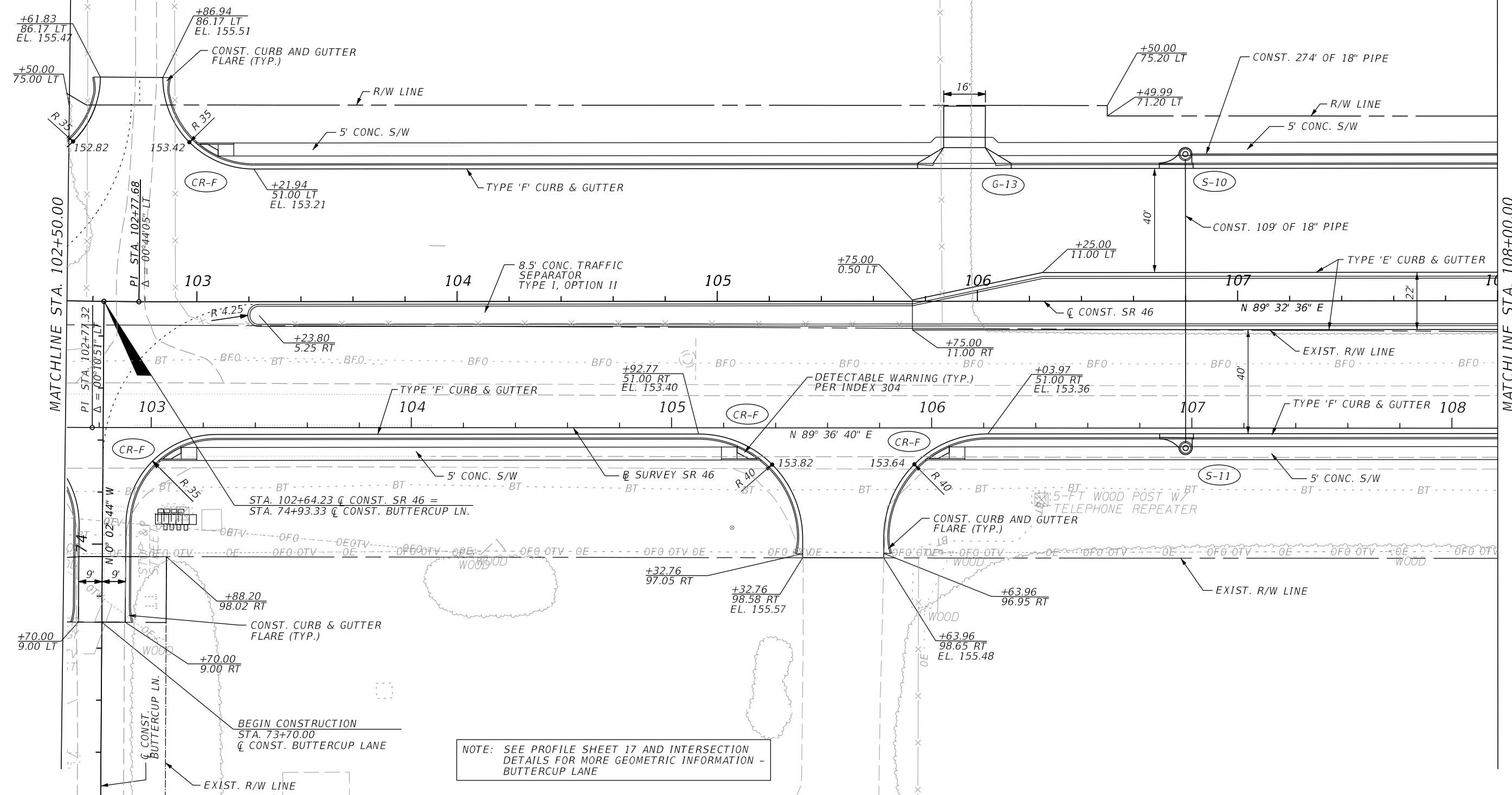
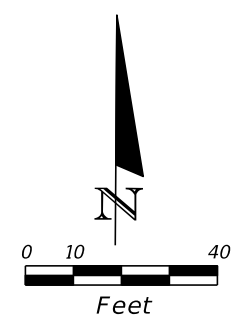
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

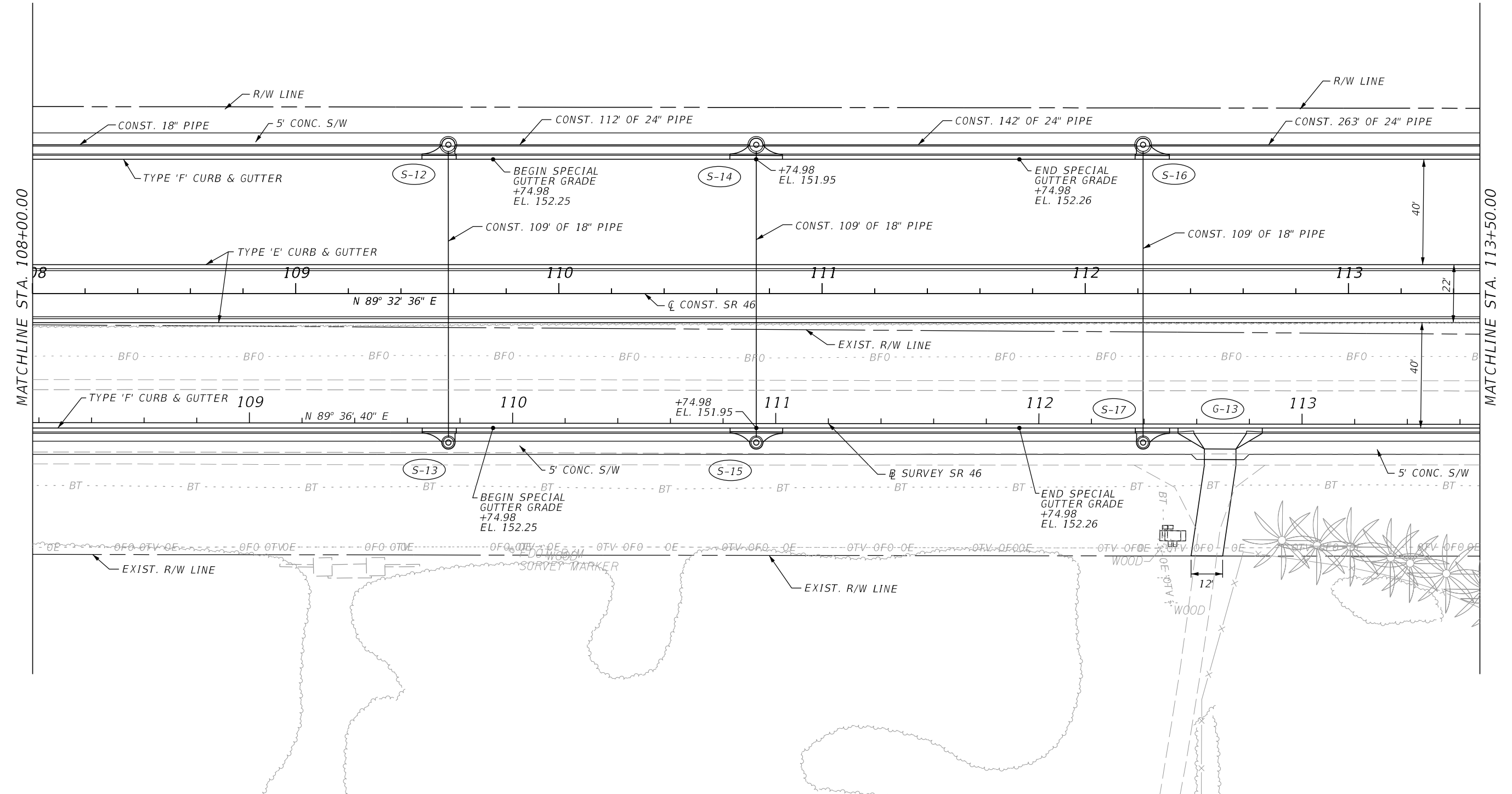
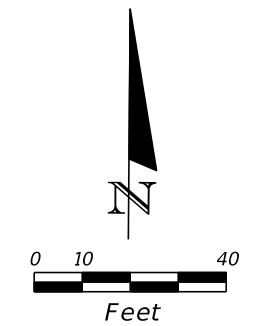
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

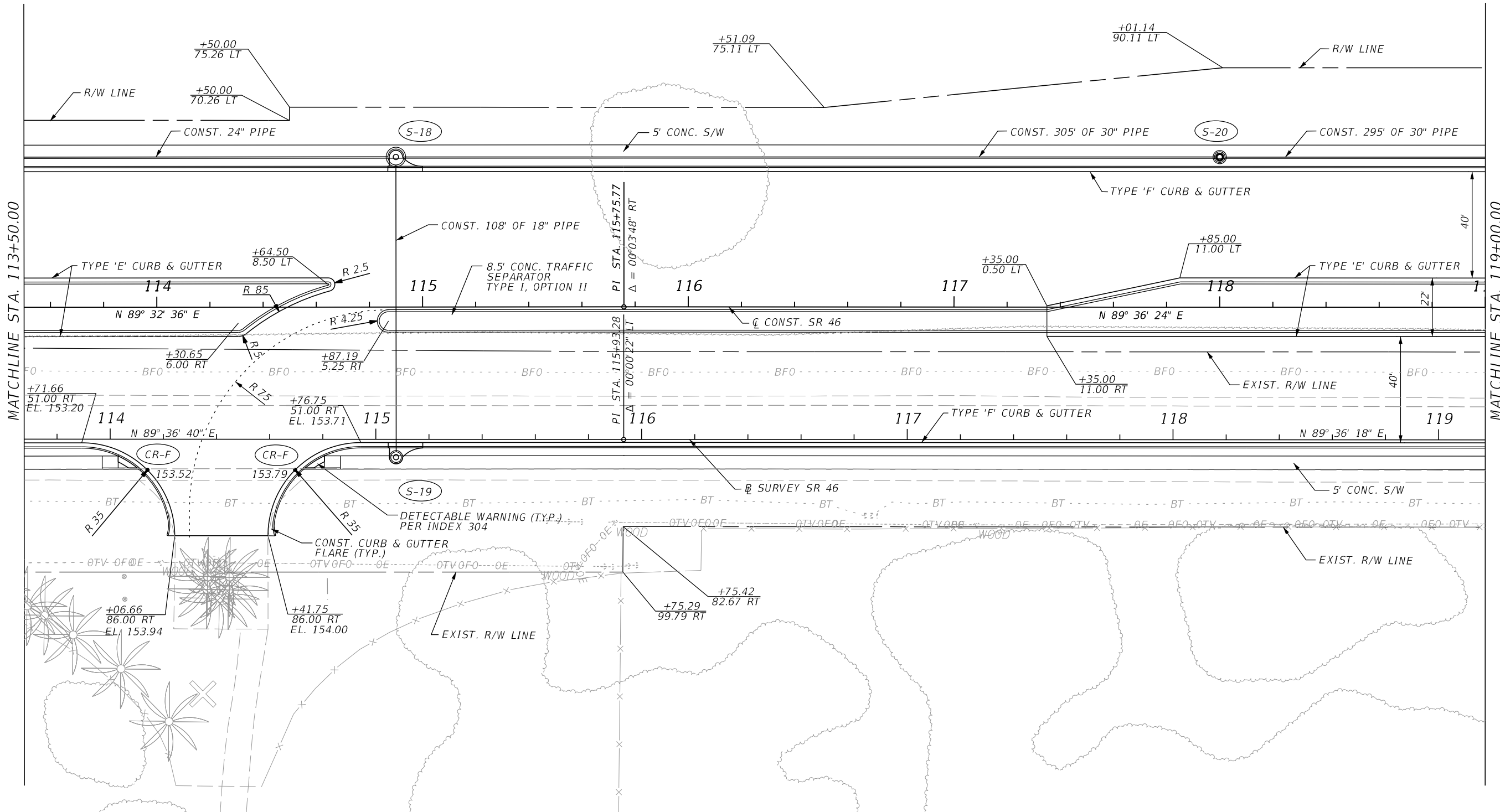
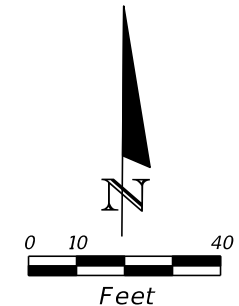
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

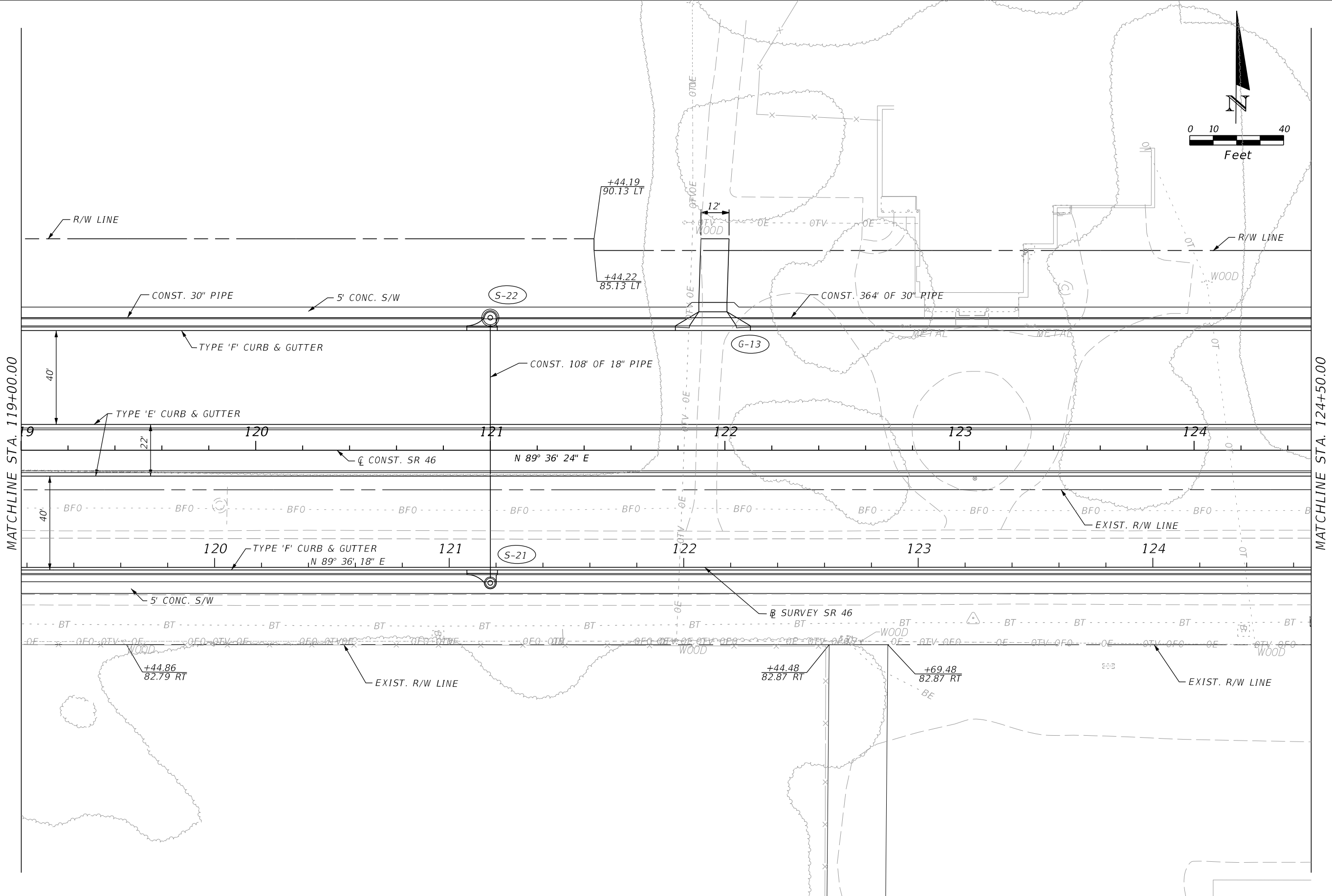
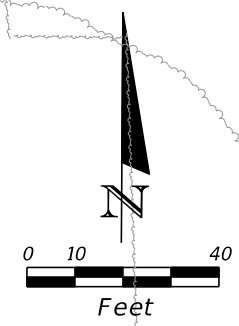
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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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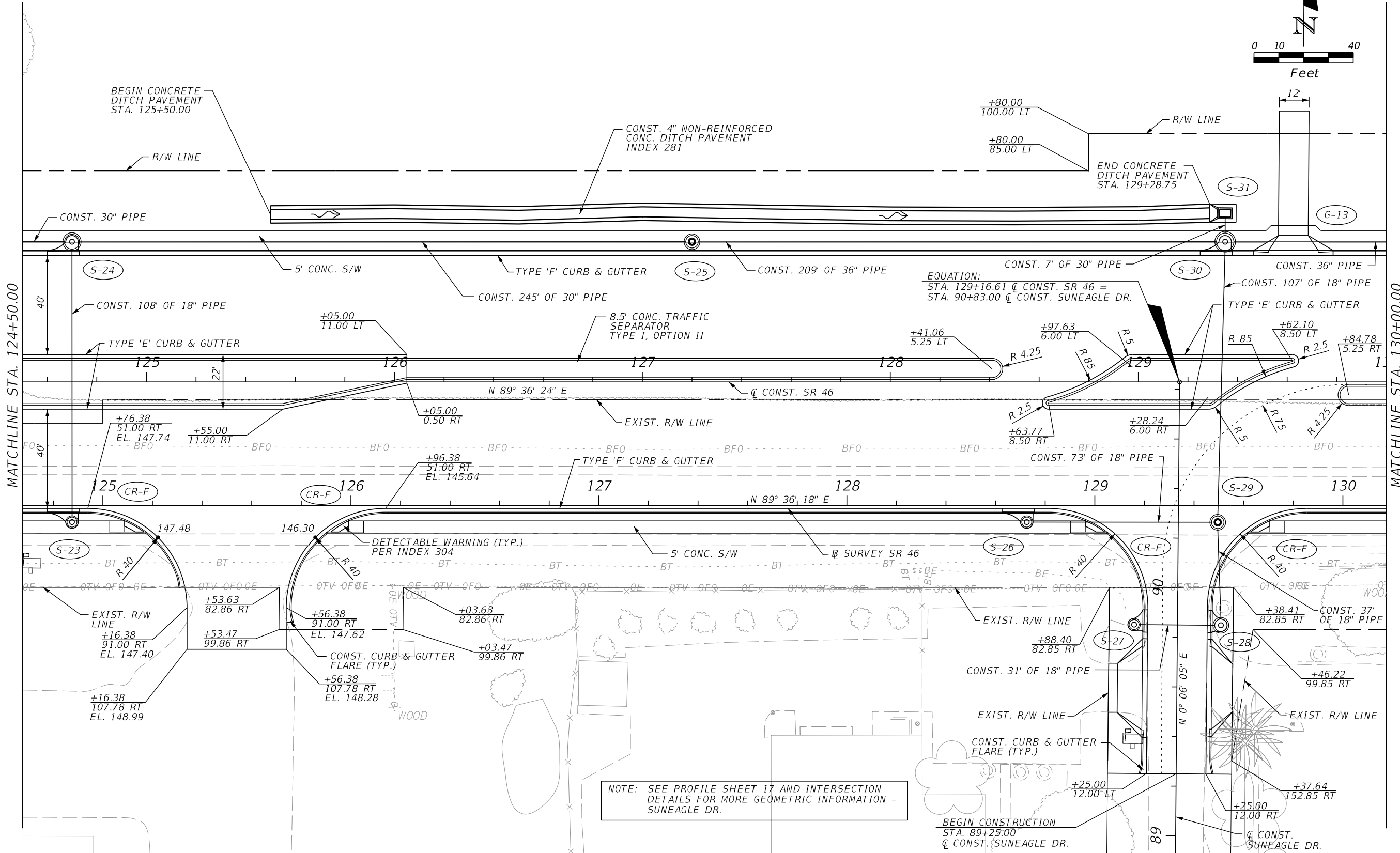
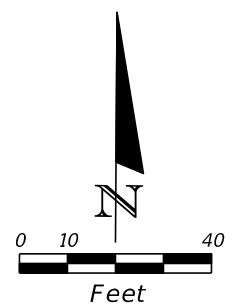


MATCHLINE STA. 119+00.00

MATCHLINE STA. 124+50.00

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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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EQUATION:
 STA. 129+16.61 @ CONST. SR 46 =
 STA. 90+83.00 @ CONST. SUNEAGLE DR.

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

MATCHLINE STA. 124+50.00

MATCHLINE STA. 130+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

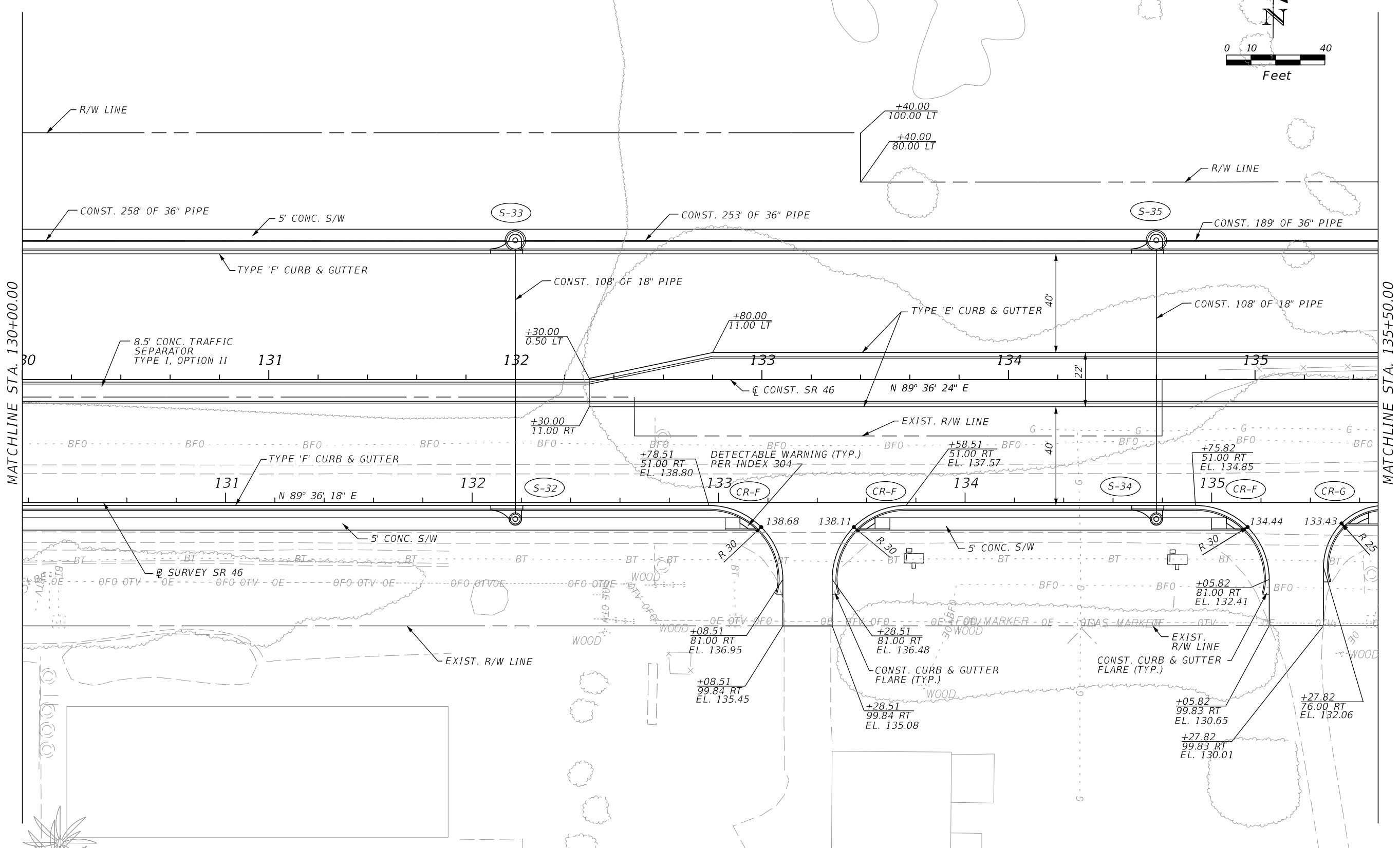
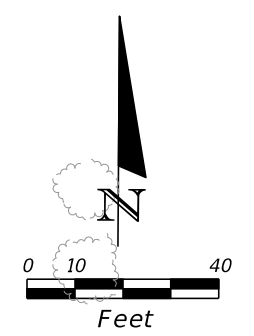
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET 7

SR 46

SHEET NO.
30

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

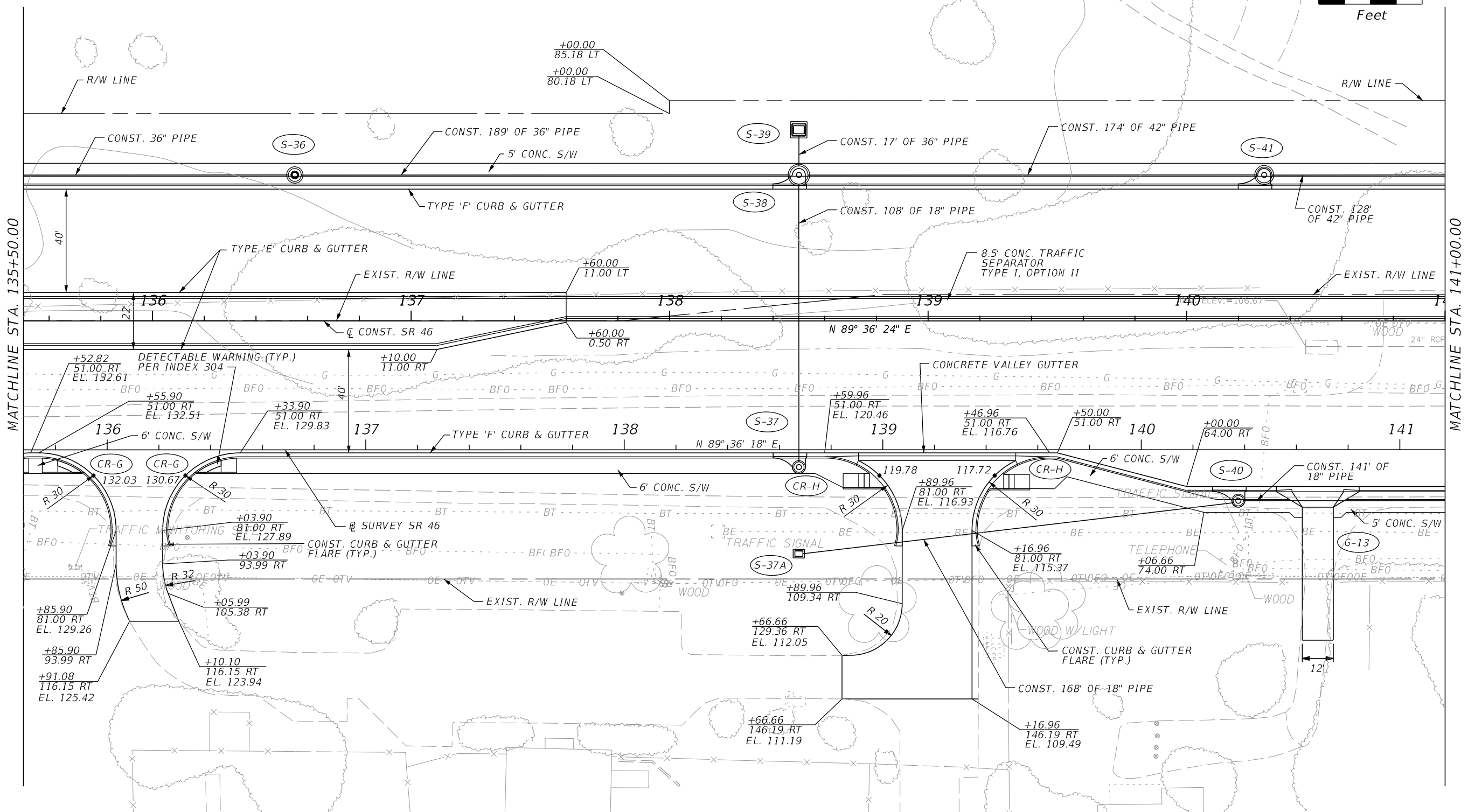
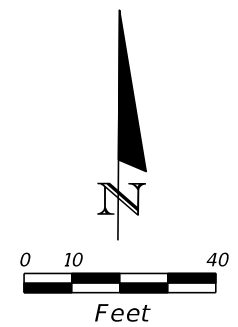
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
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 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

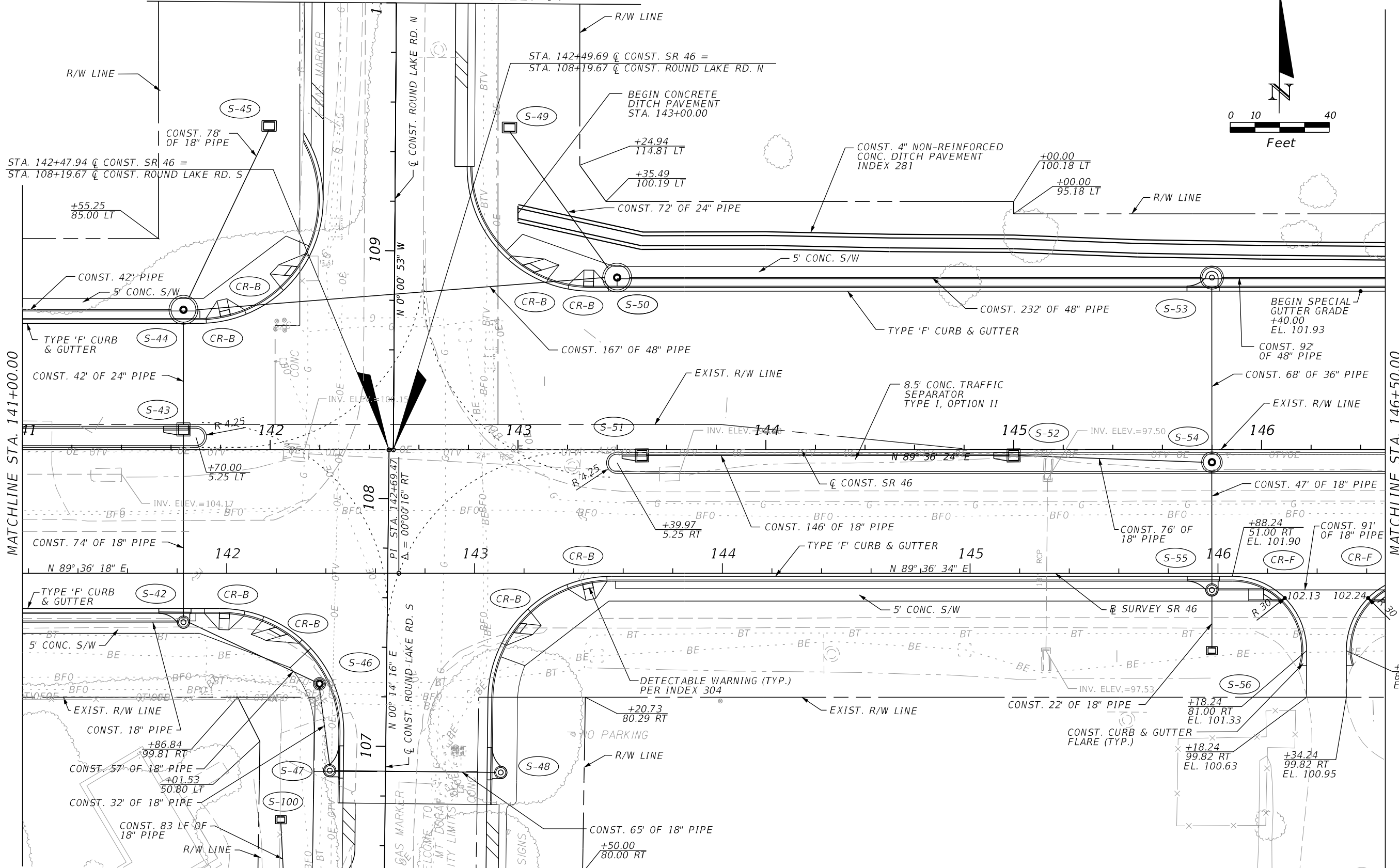
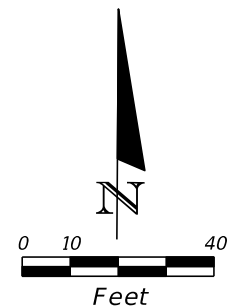
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PLAN SHEET 9
SR 46

SHEET NO. 32

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MATCHLINE STA. 110+00.00 SEE PLAN SHEET 14



MATCHLINE STA. 141+00.00

MATCHLINE STA. 146+50.00

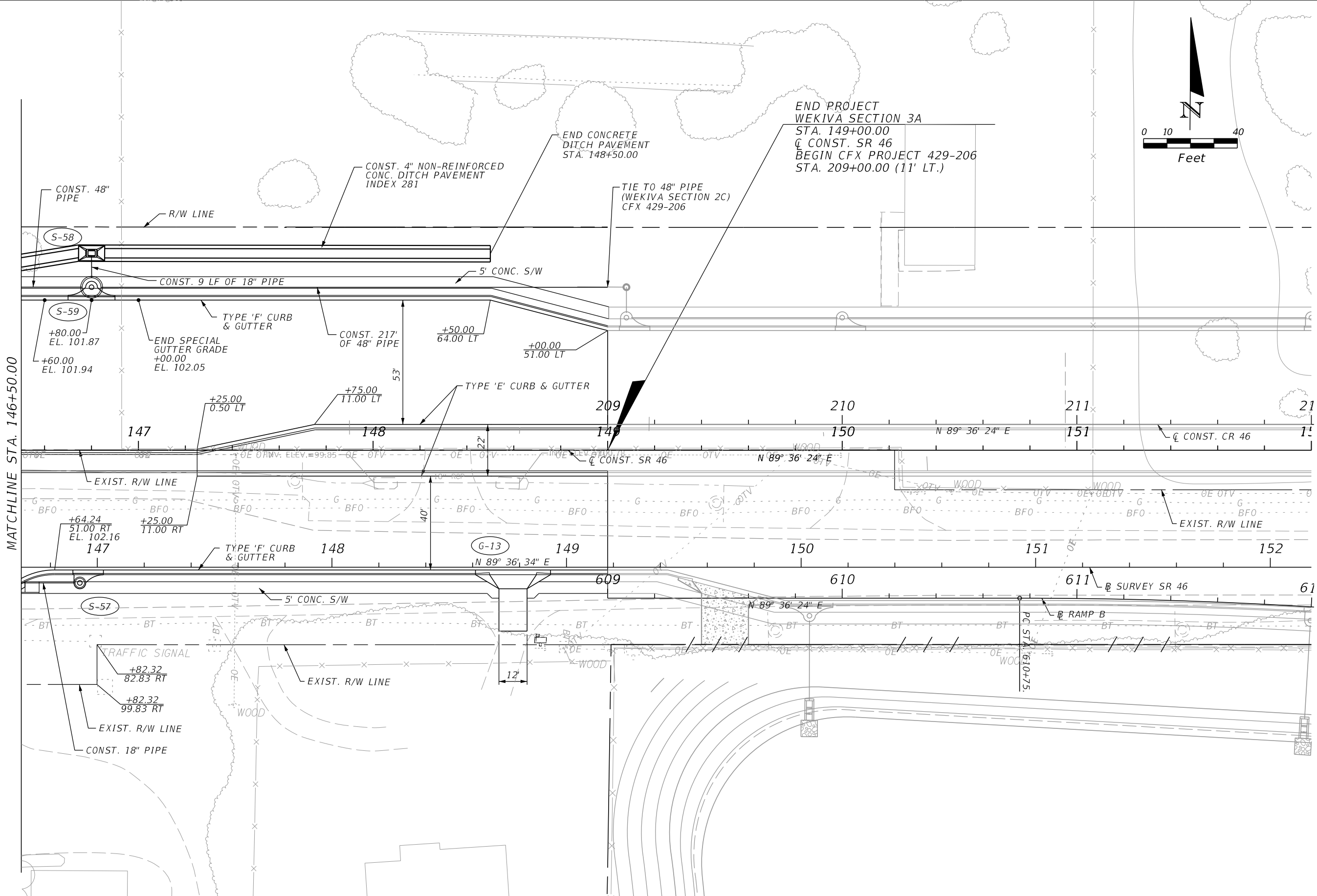
MATCHLINE STA. 106+50.00 SEE PLAN SHEET 13

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

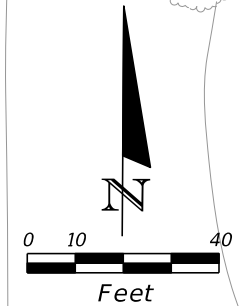
5' PAVED SHOULDER

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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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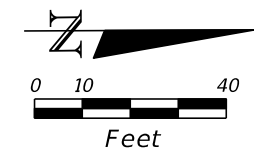


MATCHLINE STA. 146+50.00

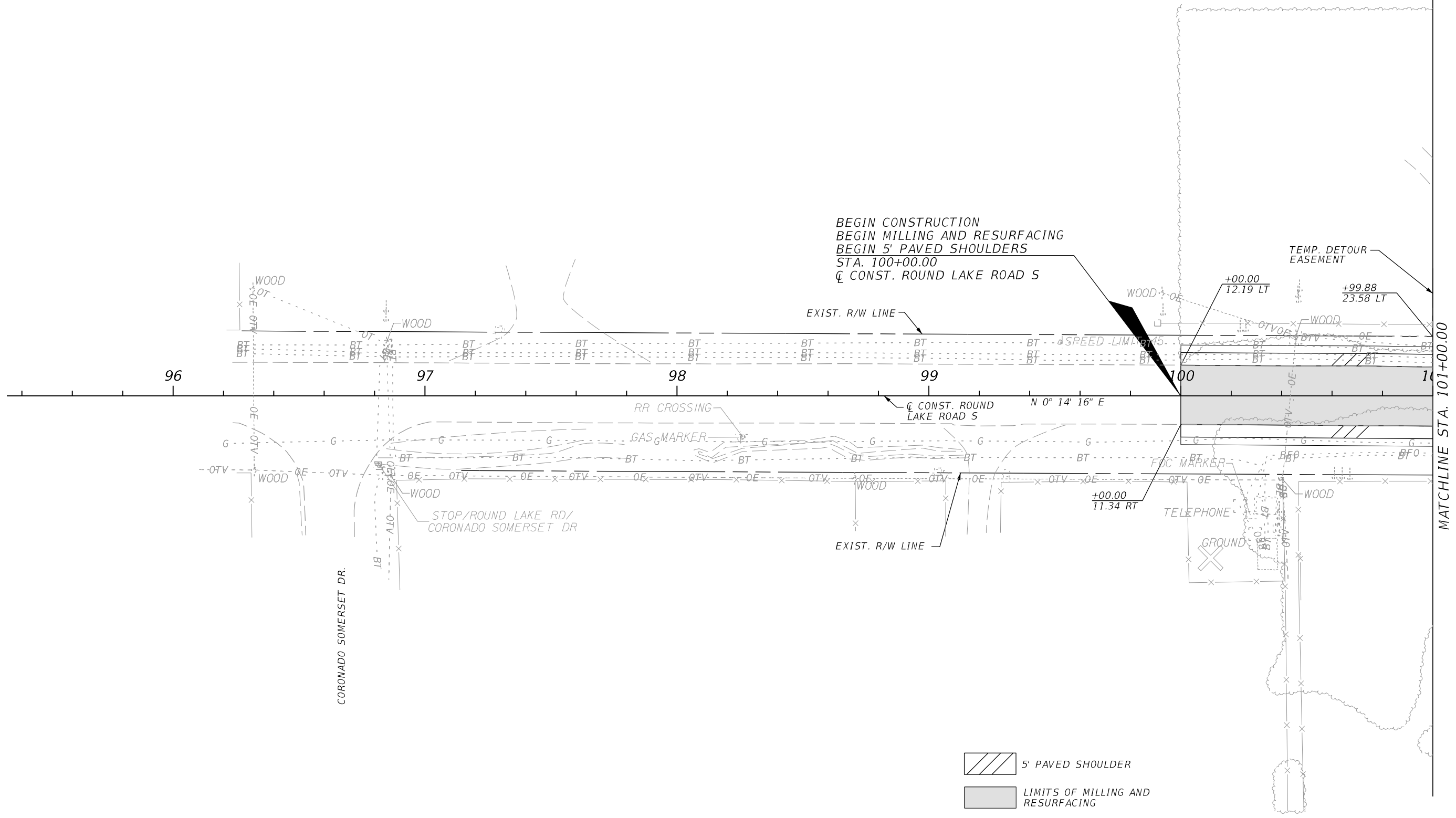


REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET 11 SR 46	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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



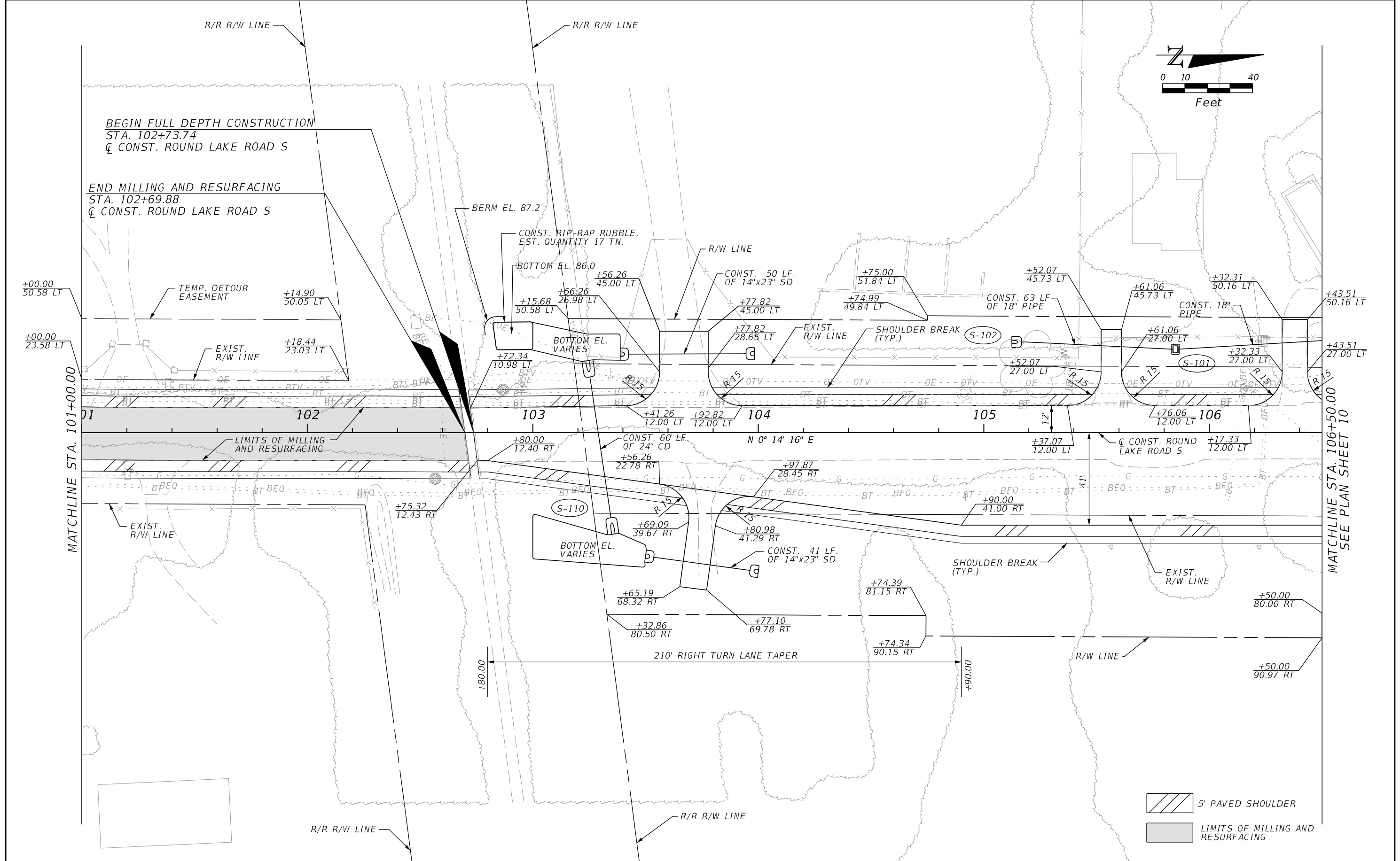
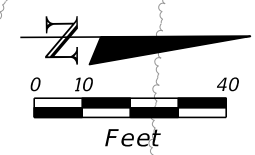
BEGIN CONSTRUCTION
 BEGIN MILLING AND RESURFACING
 BEGIN 5' PAVED SHOULDERS
 STA. 100+00.00
 @ CONST. ROUND LAKE ROAD S



5' PAVED SHOULDER
 LIMITS OF MILLING AND RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

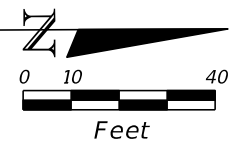
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

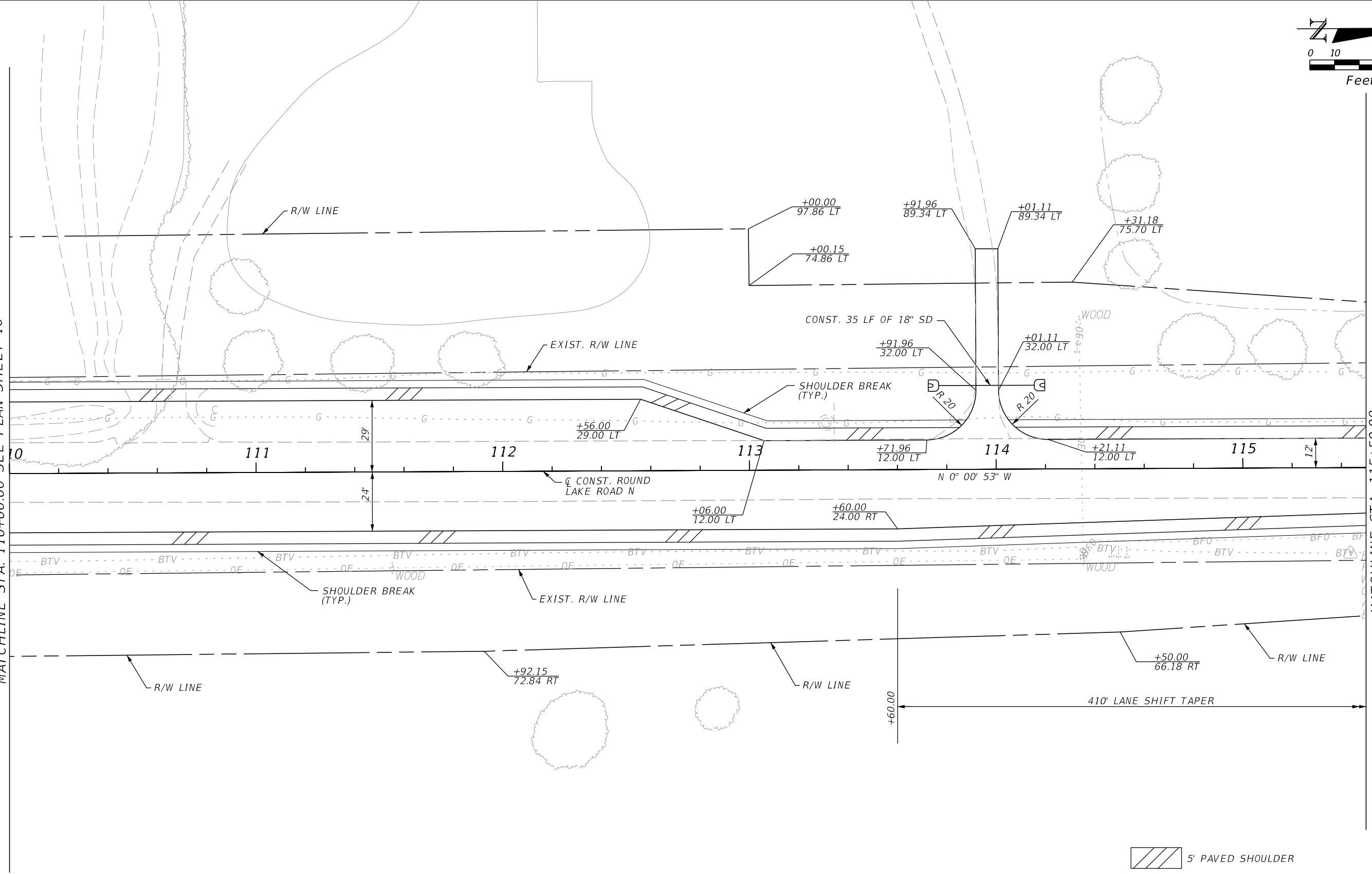
SHEET NO.
36

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MATCHLINE STA. 110+00.00 SEE PLAN SHEET 10

MATCHLINE STA. 115+50.00

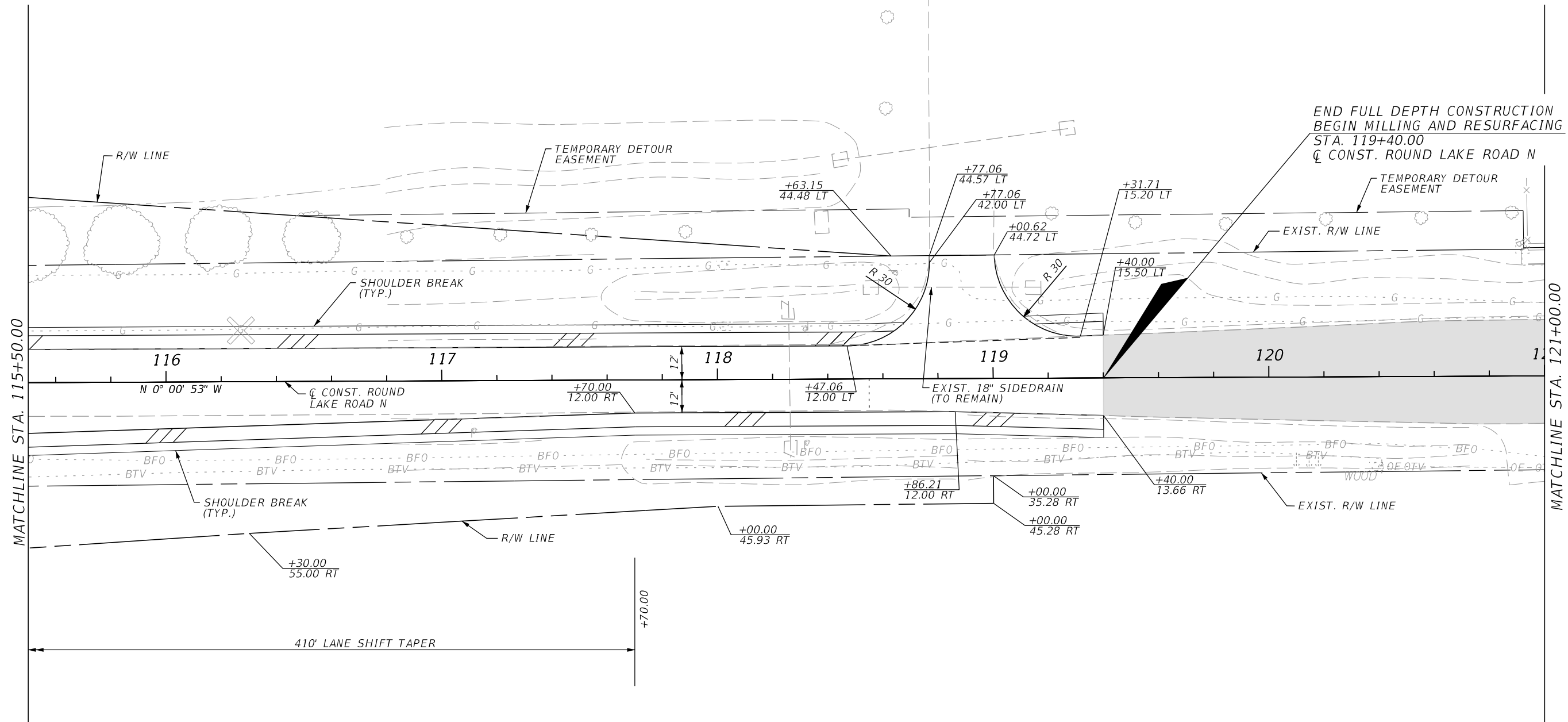
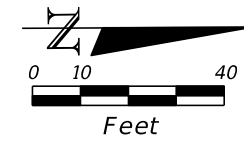


5' PAVED SHOULDER

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET 14 ROUND LAKE ROAD NORTH	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		37
				46	LAKE	238275-3-52-01			

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ROUND LAKE
ELEMENTARY SCHOOL



- 5' PAVED SHOULDER
- LIMITS OF MILLING AND RESURFACING

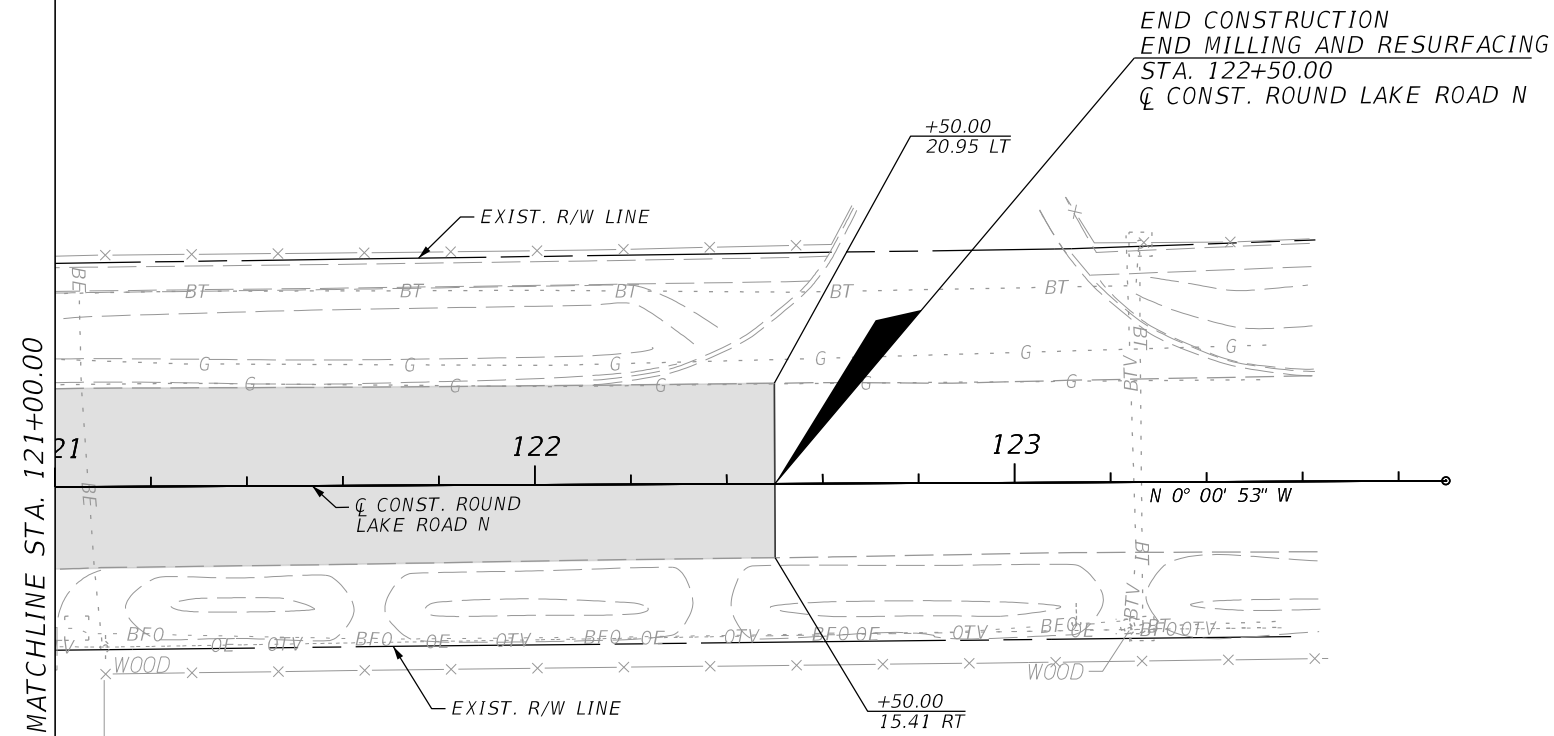
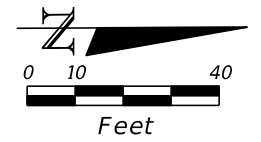
MATCHLINE STA. 121+00.00

MATCHLINE STA. 115+50.00

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET 15 ROUND LAKE ROAD NORTH	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		38
				46	LAKE	238275-3-52-01			

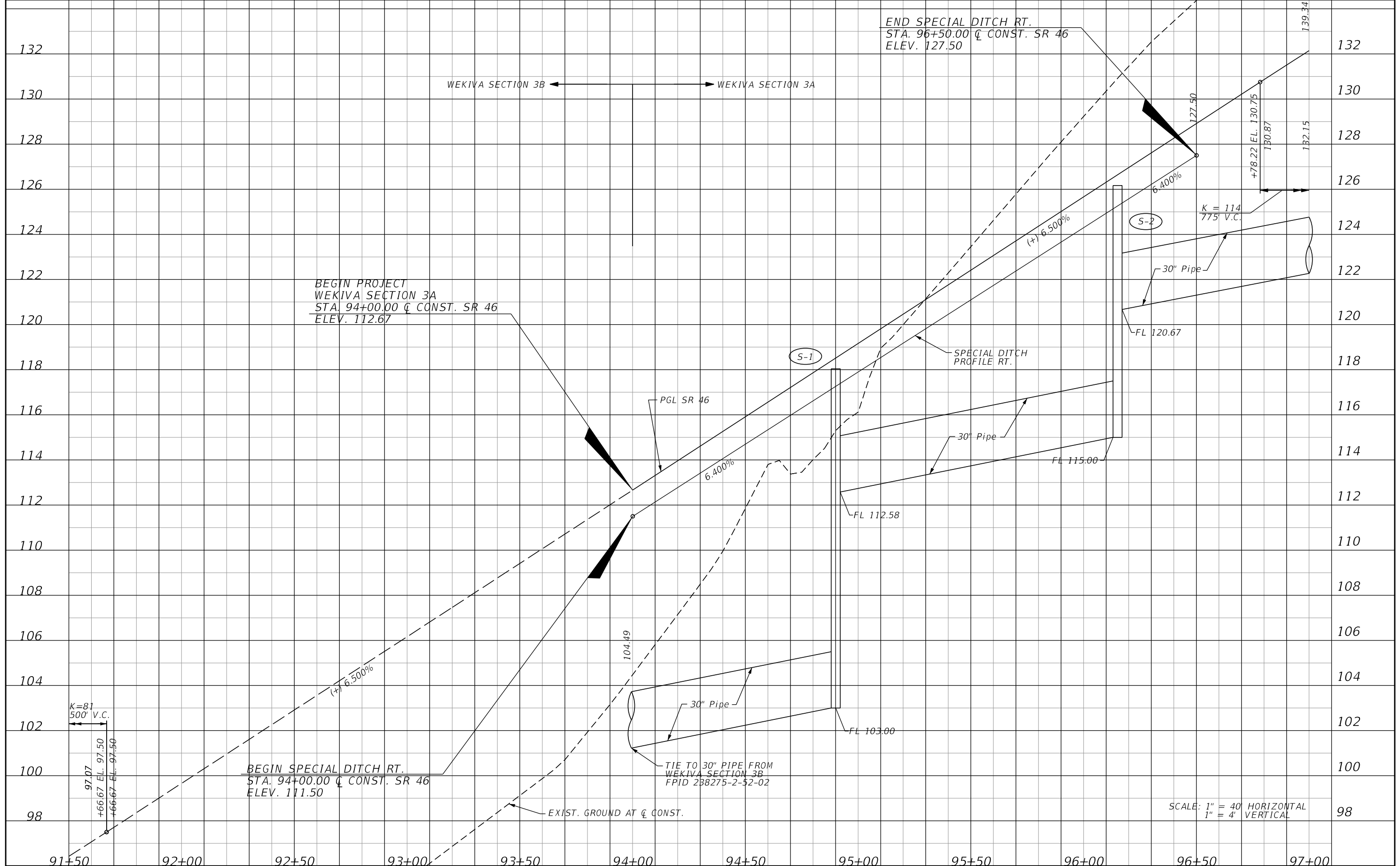
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

ROUND LAKE
ELEMENTARY SCHOOL



LIMITS OF MILLING AND
RESURFACING

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET 16 ROUND LAKE ROAD NORTH	SHEET NO. 39
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-3-52-01		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

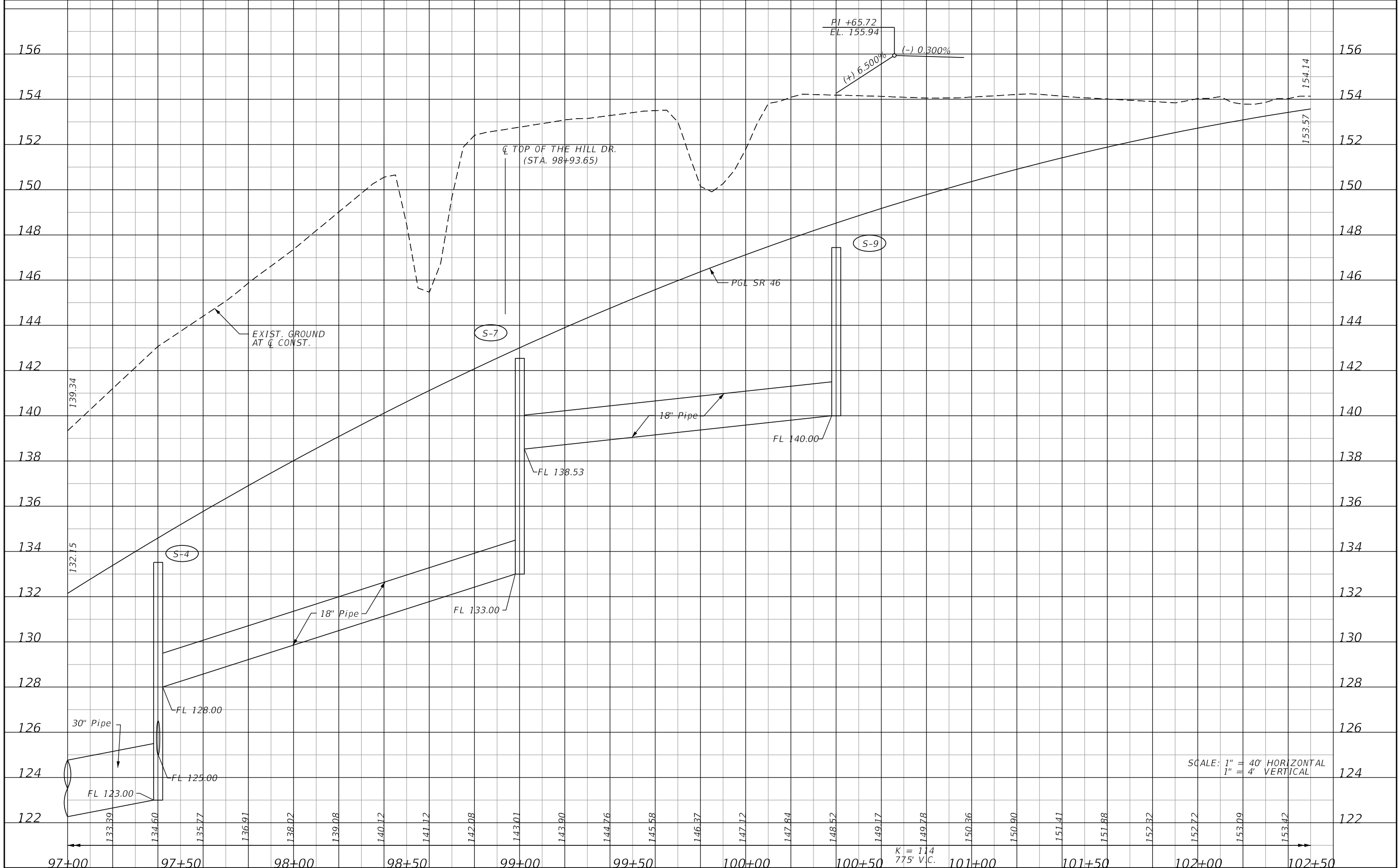
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

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



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

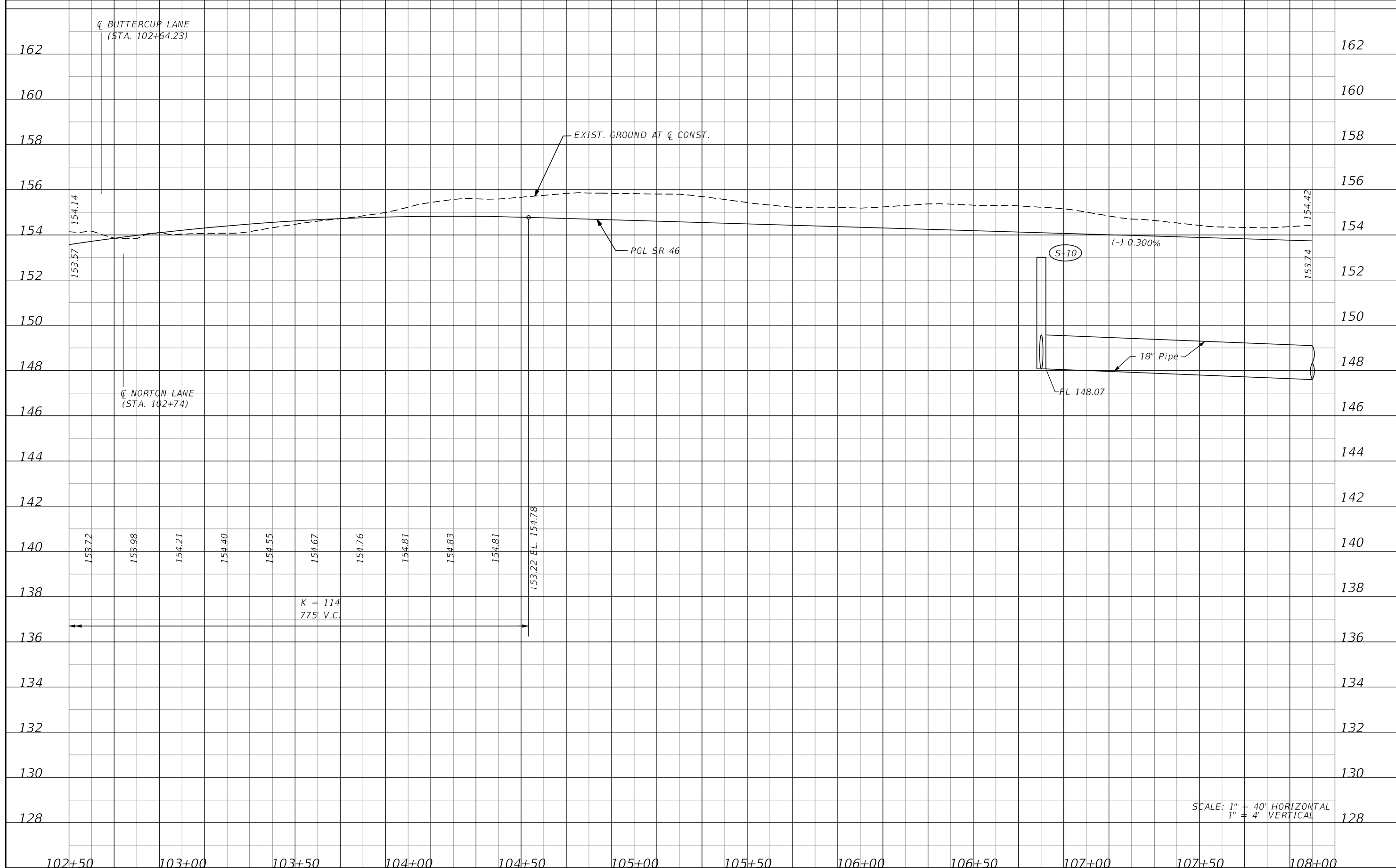
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 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

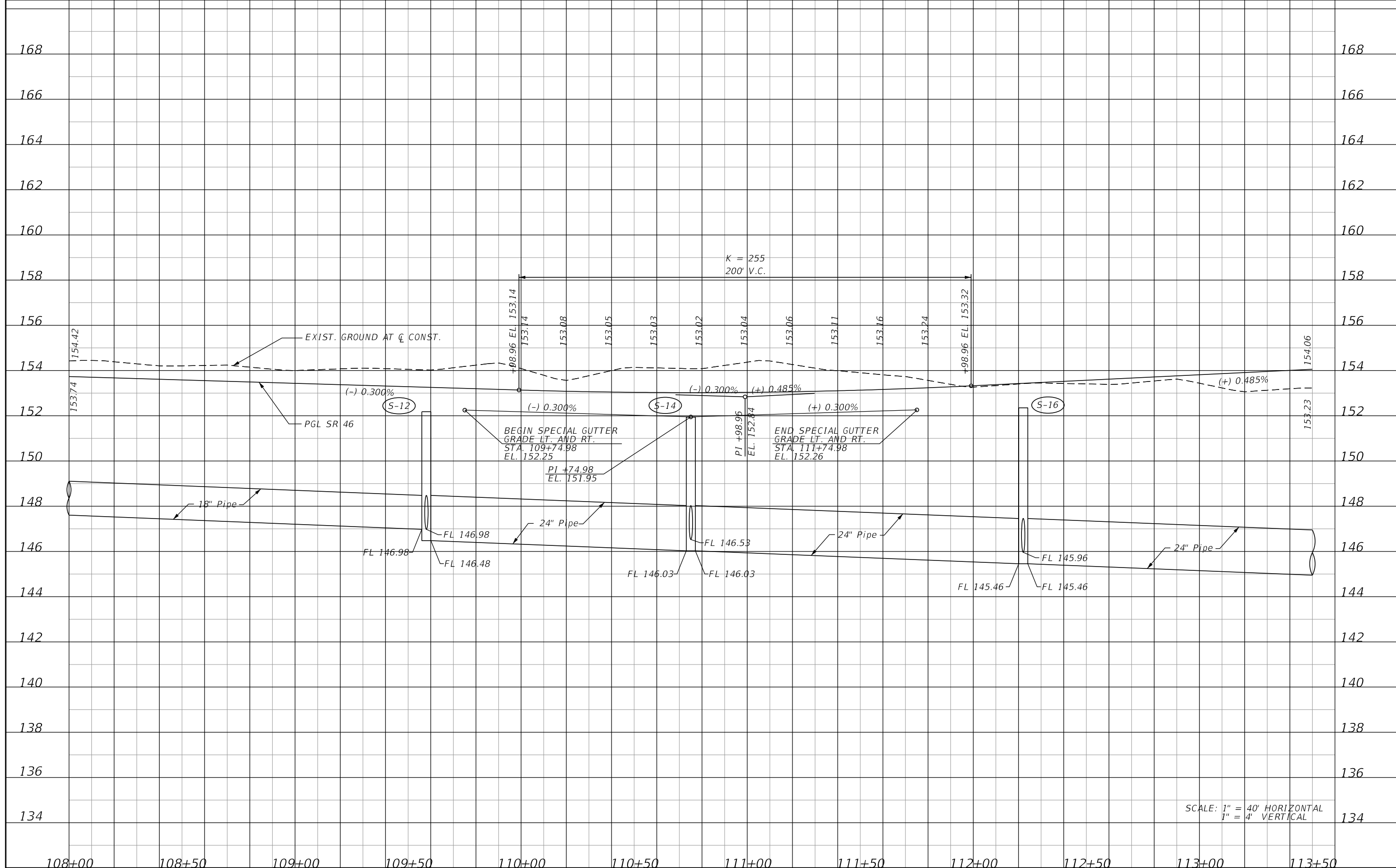
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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			

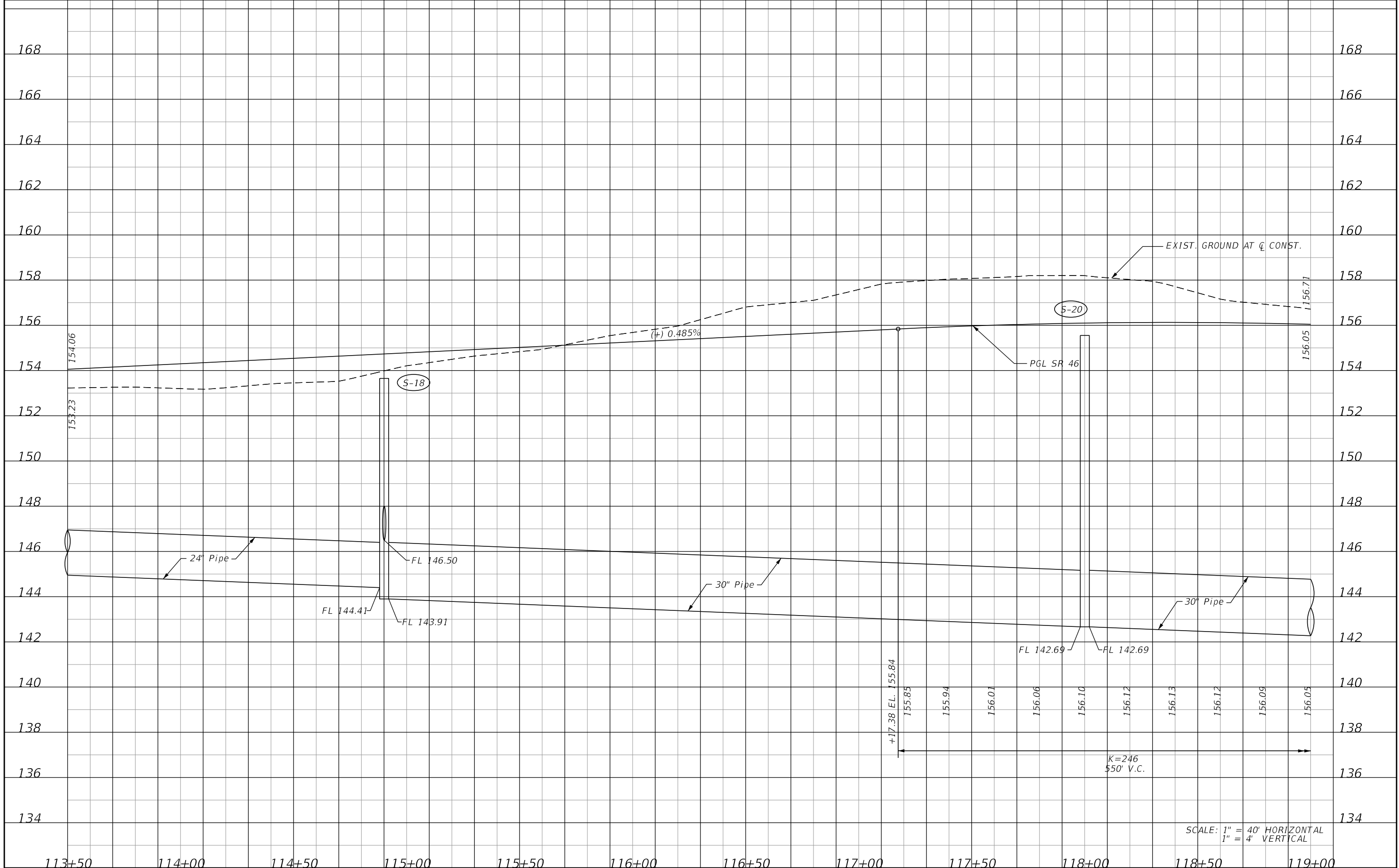
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

REVISIONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBAY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 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		

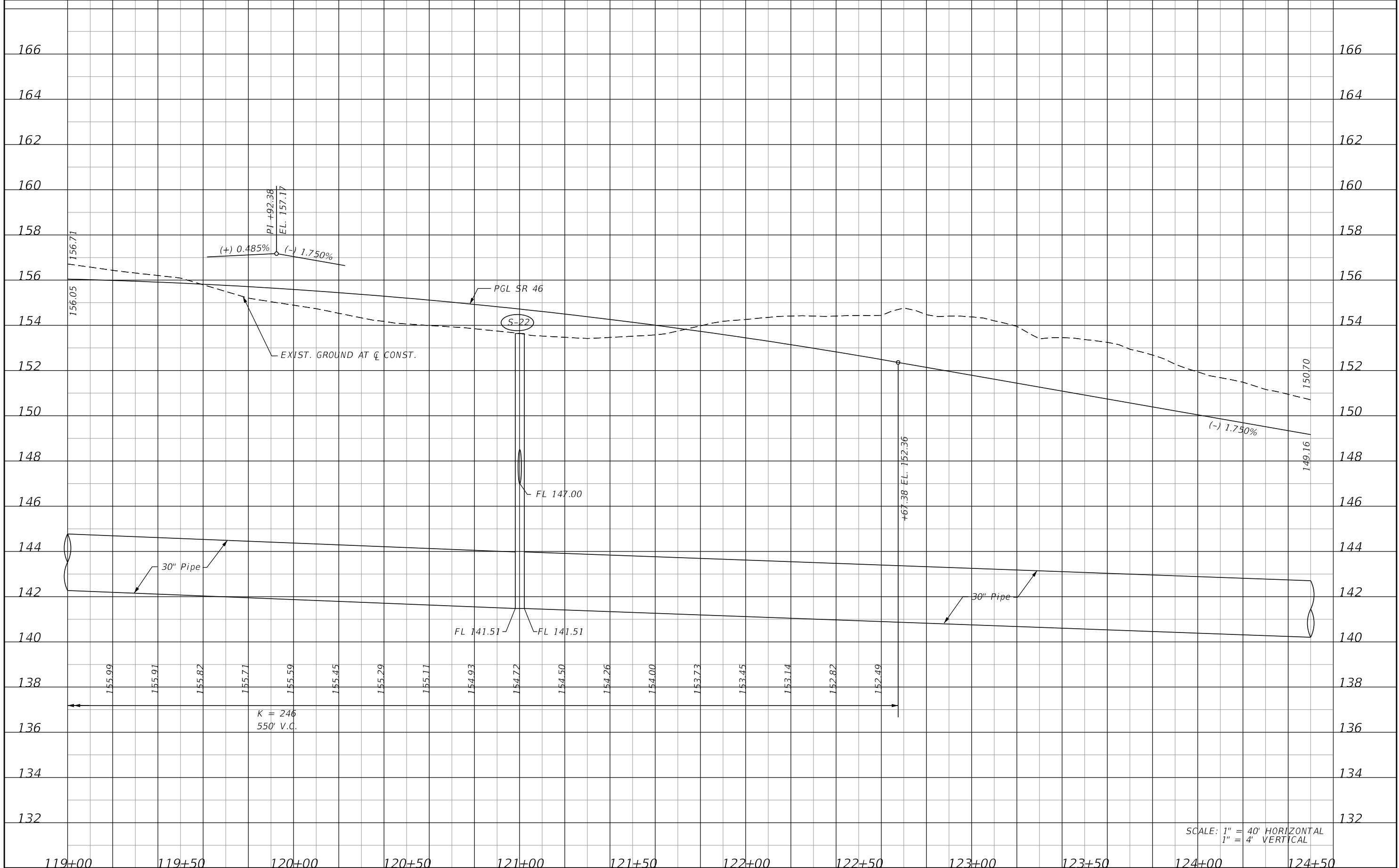
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET 5 SR 46	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		44
					46	LAKE	238275-3-52-01		

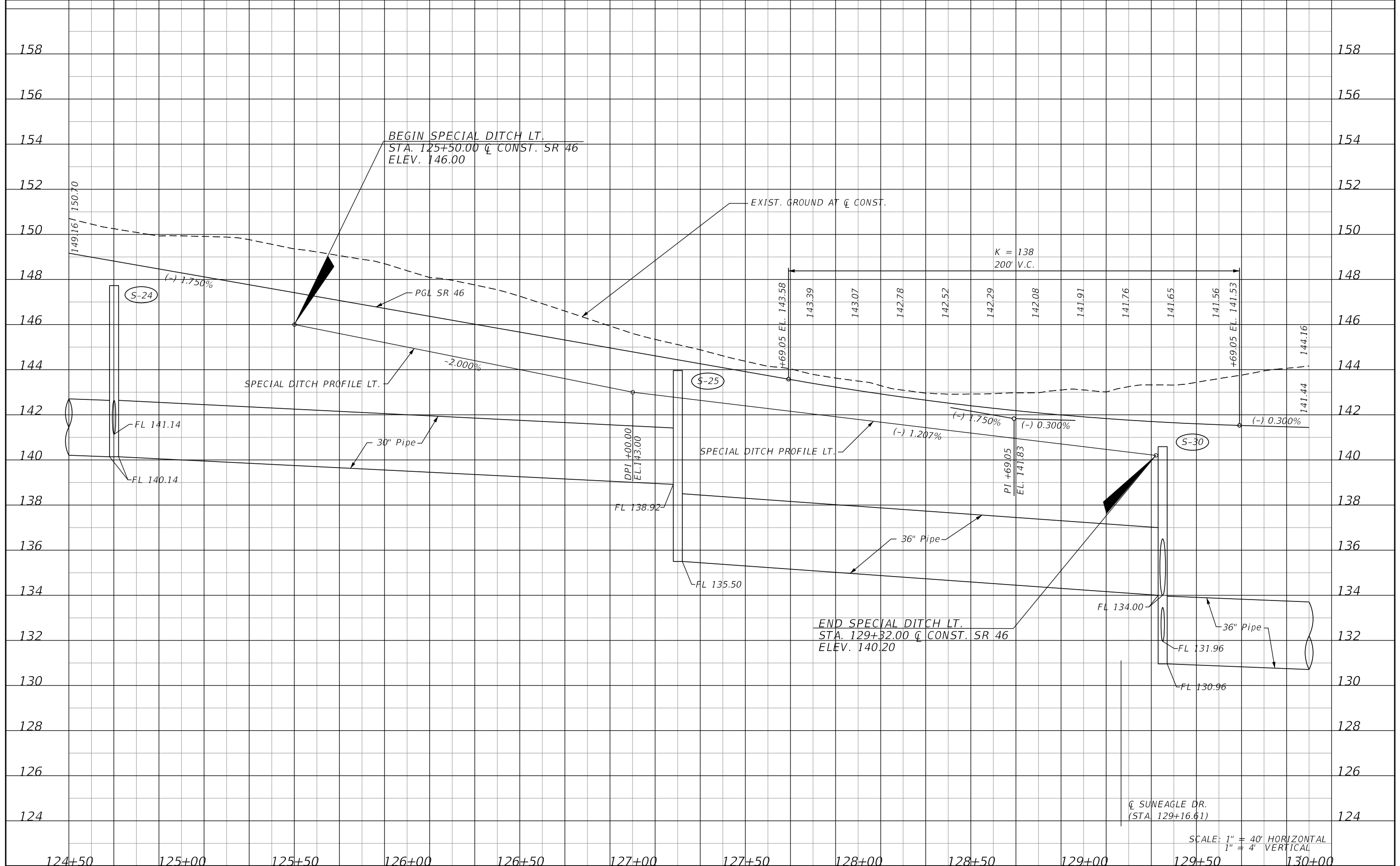
SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL



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REVISONS				LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET 6 SR 46	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		45
					46	LAKE	238275-3-52-01		

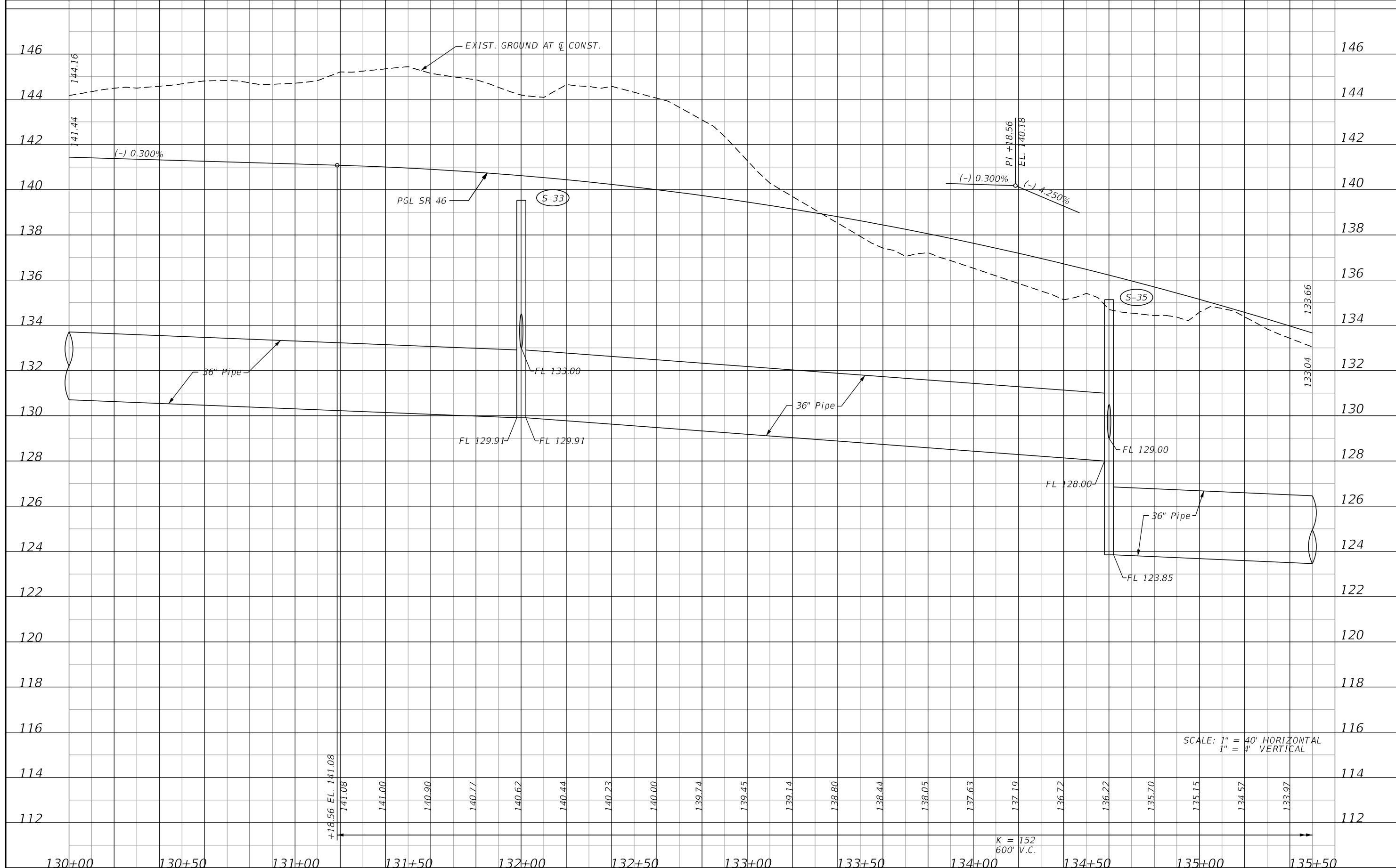
SCALE: 1" = 40' HORIZONTAL
1" = 4" VERTICAL



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REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	PROFILE SHEET 7 SR 46	SHEET NO.		
DATE	DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID	
			46		LAKE	238275-3-52-01	46

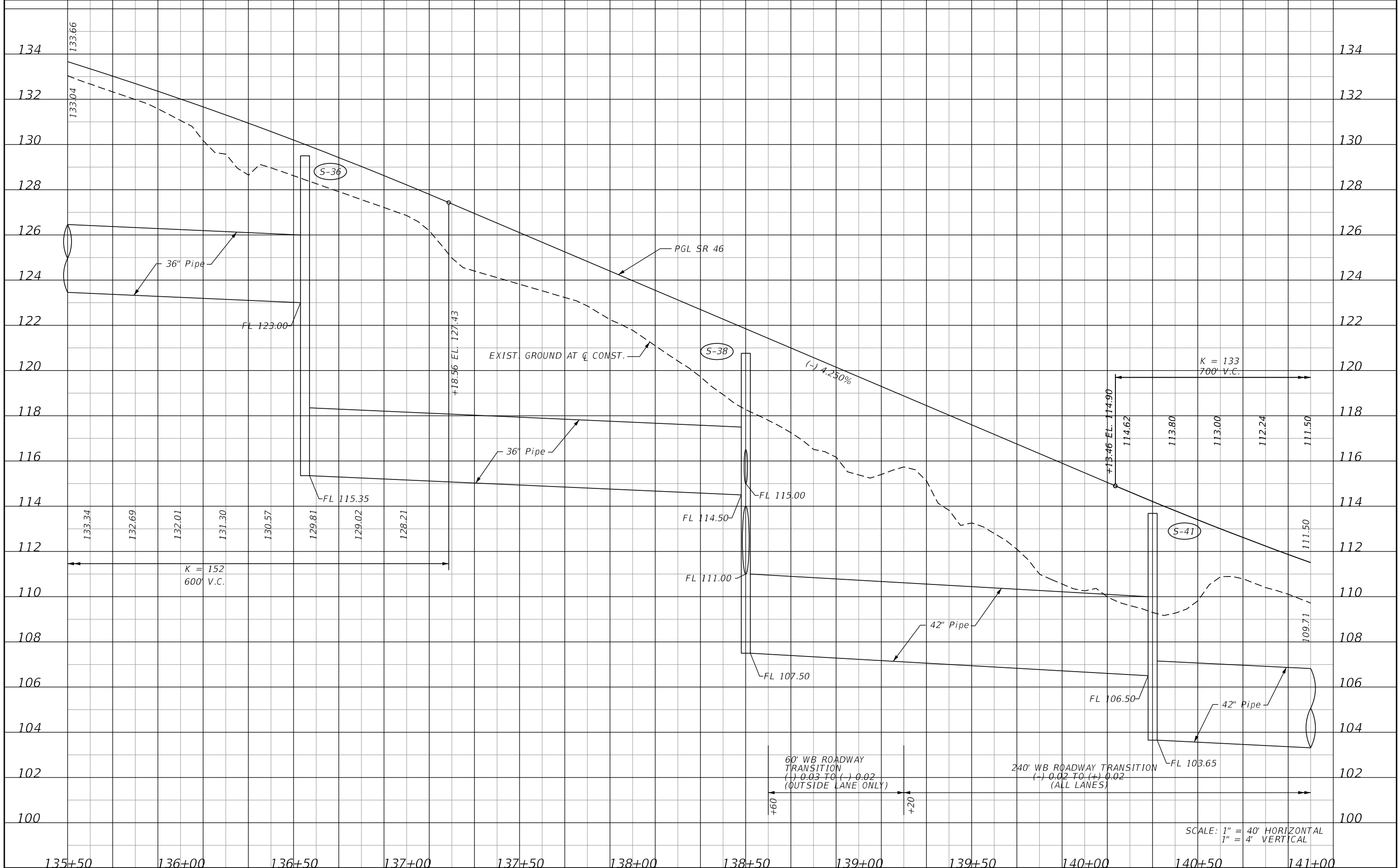
SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL



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

REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET 8 SR 46	SHEET NO. 47
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

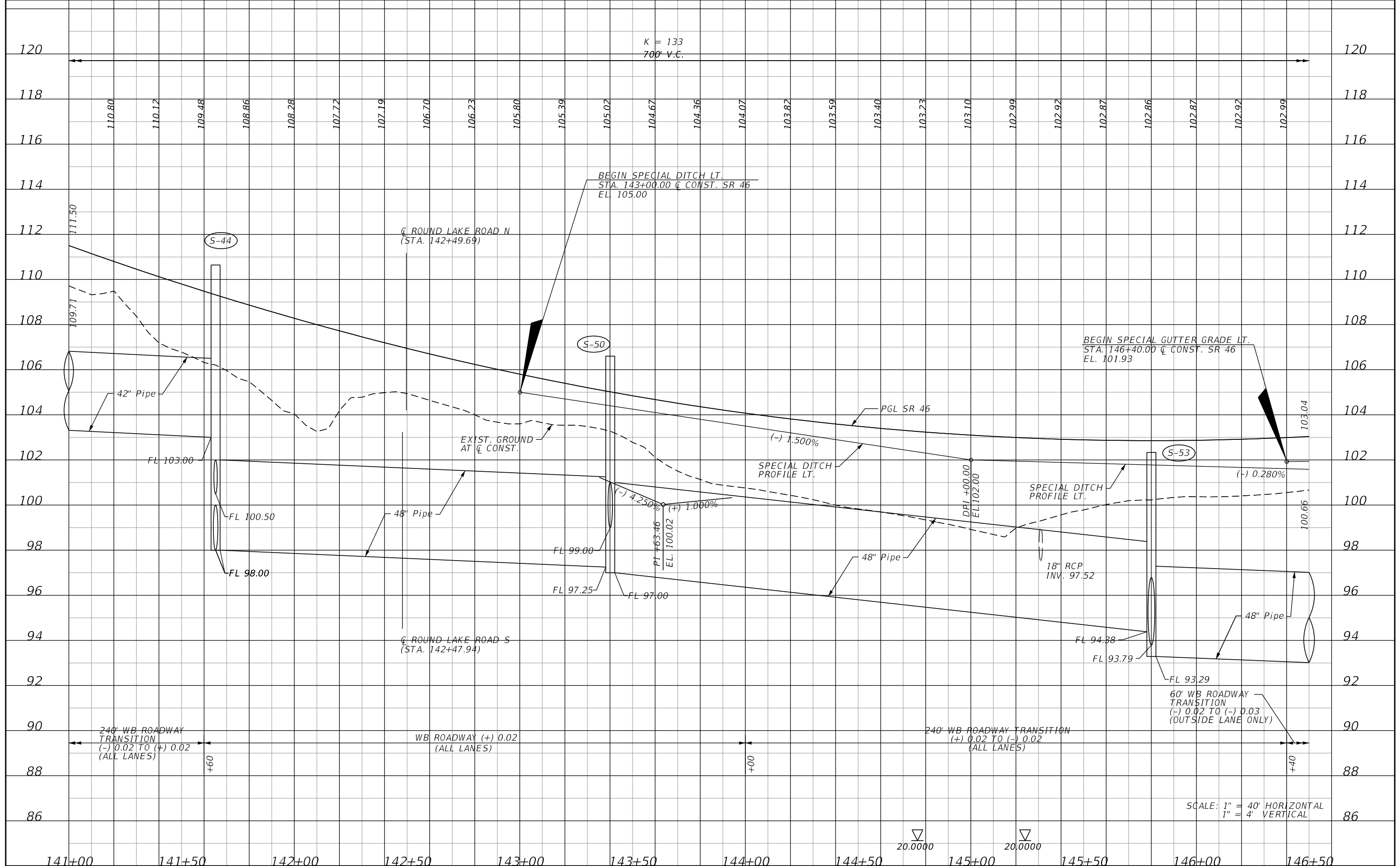
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

PROFILE SHEET 9
SR 46

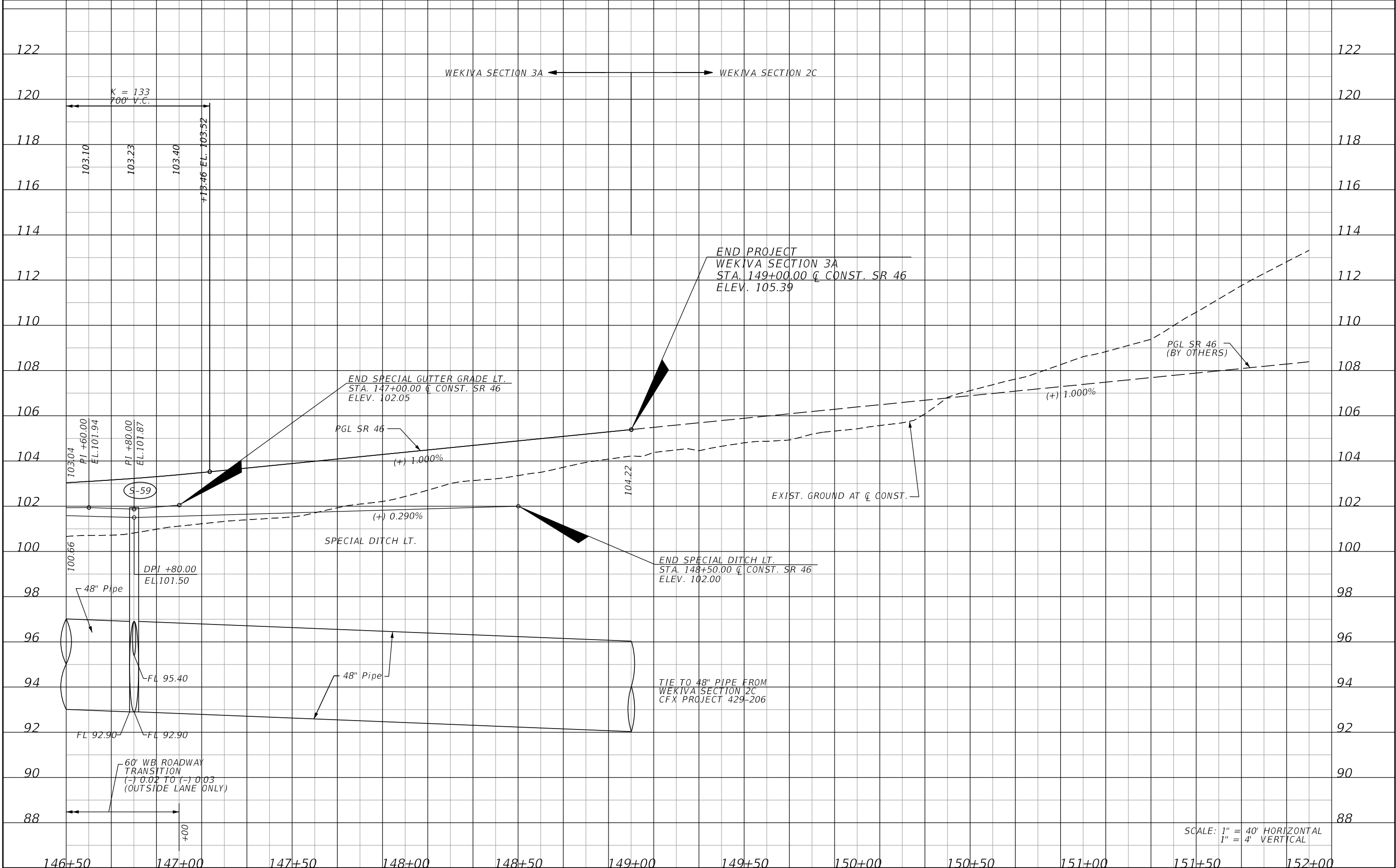
SHEET NO.
 48

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



REVISIONS		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET 10 SR 46	SHEET NO. 49
DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			46	LAKE	238275-3-52-01		

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



REVISIONS	
DATE	DESCRIPTION

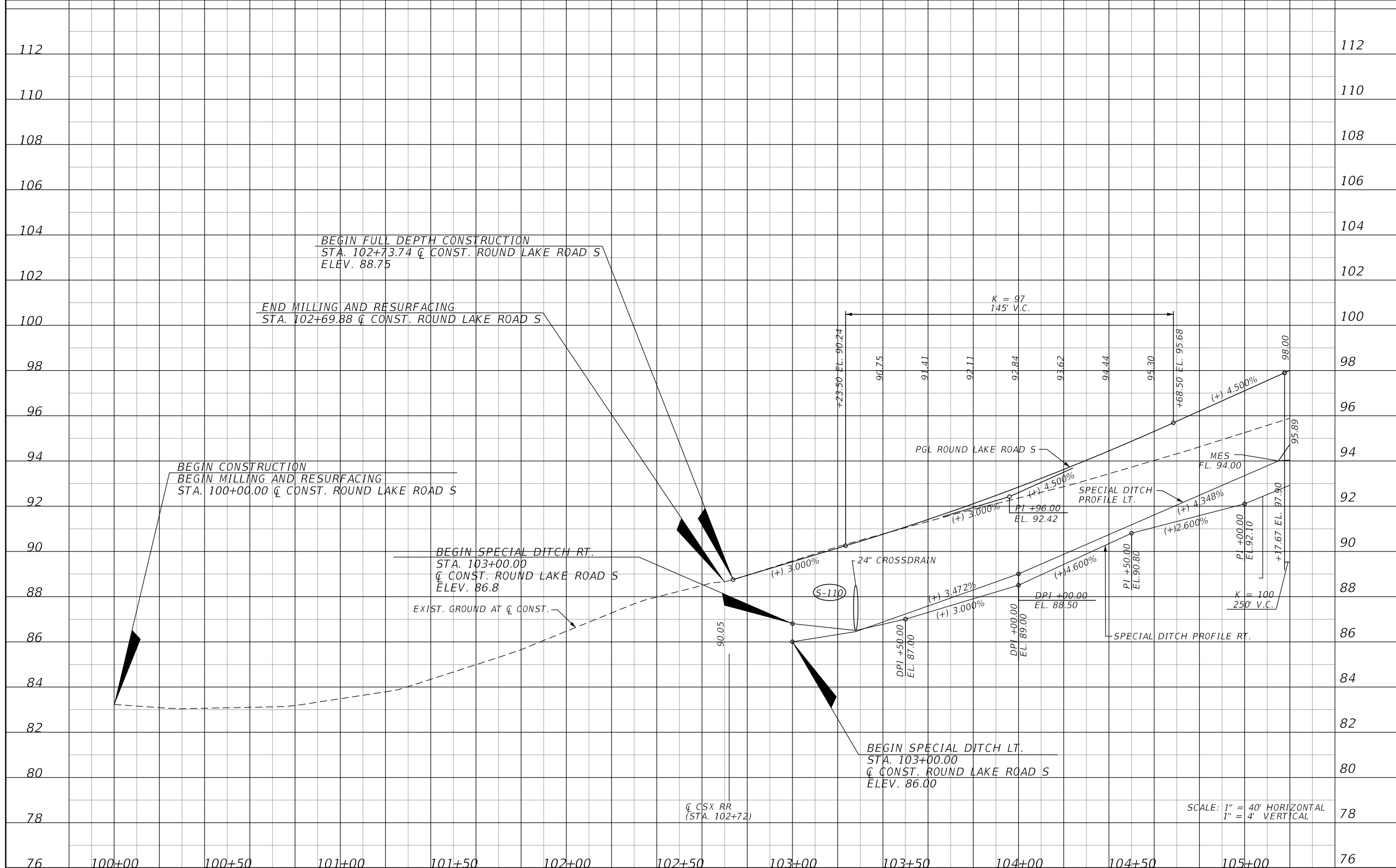
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

PROFILE SHEET 11
SR 46

SHEET NO.
50

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REVISIONS	
DATE	DESCRIPTION

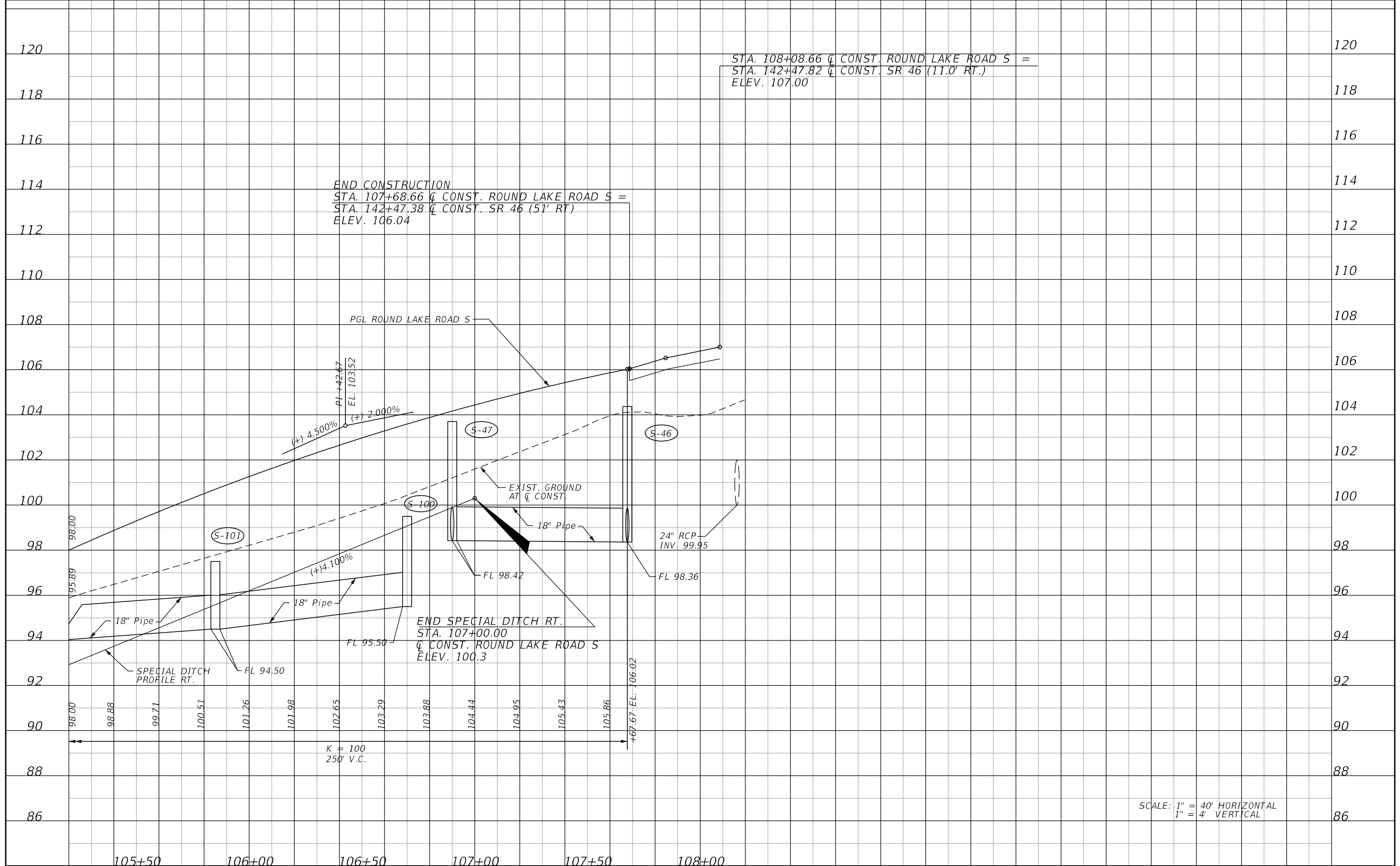
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

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



STA. 108+08.66 \bar{C} CONST. ROUND LAKE ROAD S =
 STA. 142+47.82 \bar{C} CONST. SR 46 (11.0' RT.)
 ELEV. 107.00

END CONSTRUCTION
 STA. 107+68.66 \bar{C} CONST. ROUND LAKE ROAD S =
 STA. 142+47.38 \bar{C} CONST. SR 46 (51' RT.)
 ELEV. 106.04

END SPECIAL DITCH RT.
 STA. 107+00.00
 \bar{C} CONST. ROUND LAKE ROAD S
 ELEV. 100.3

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

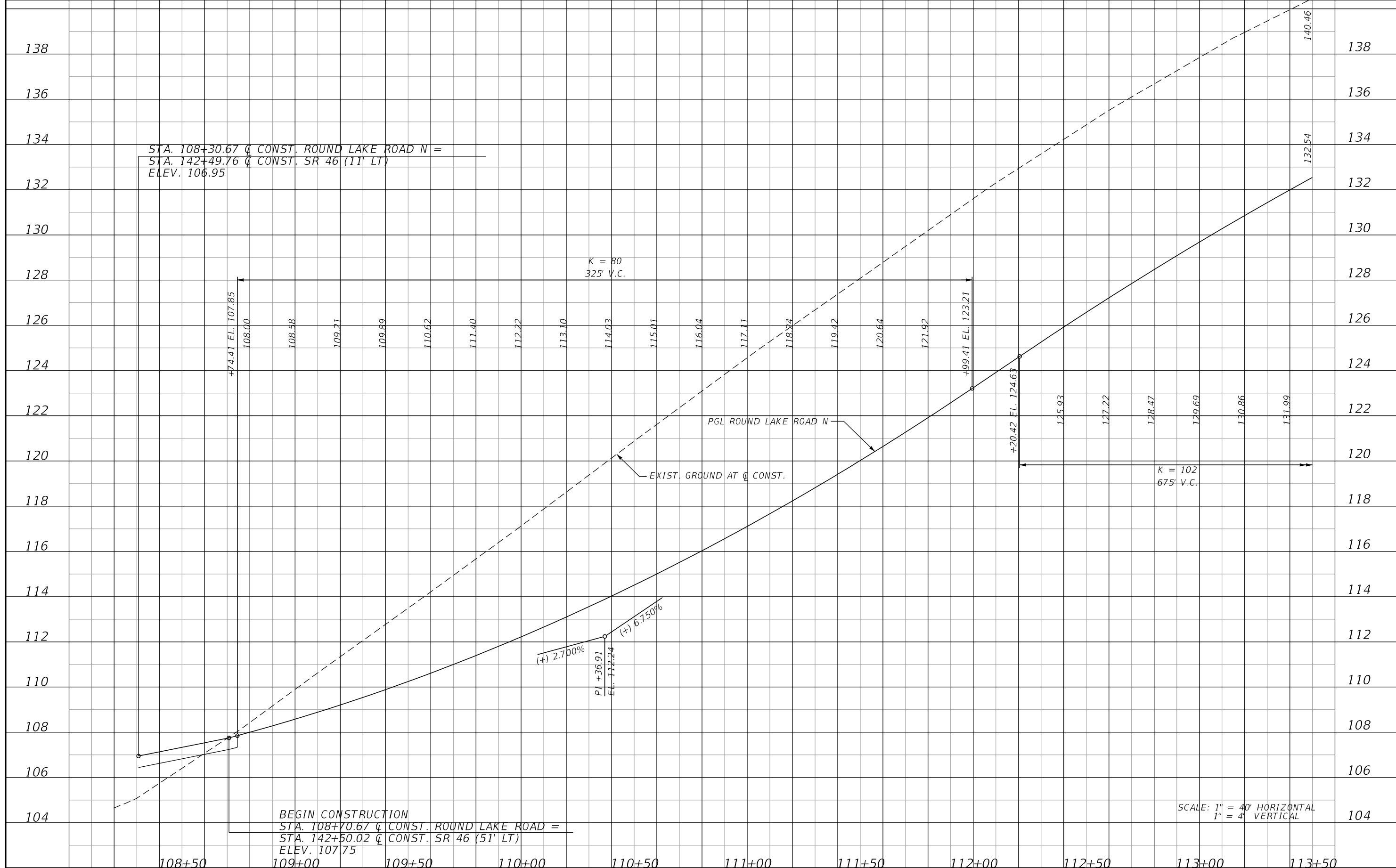
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

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



STA. 108+30.67 @ CONST. ROUND LAKE ROAD N =
 STA. 142+49.76 @ CONST. SR 46 (11' LT)
 ELEV. 106.95

K = 80
 325' V.C.

K = 102
 675' V.C.

(+) 2.700%
 PI +36.91
 EL. 112.24
 (+) 6.750%

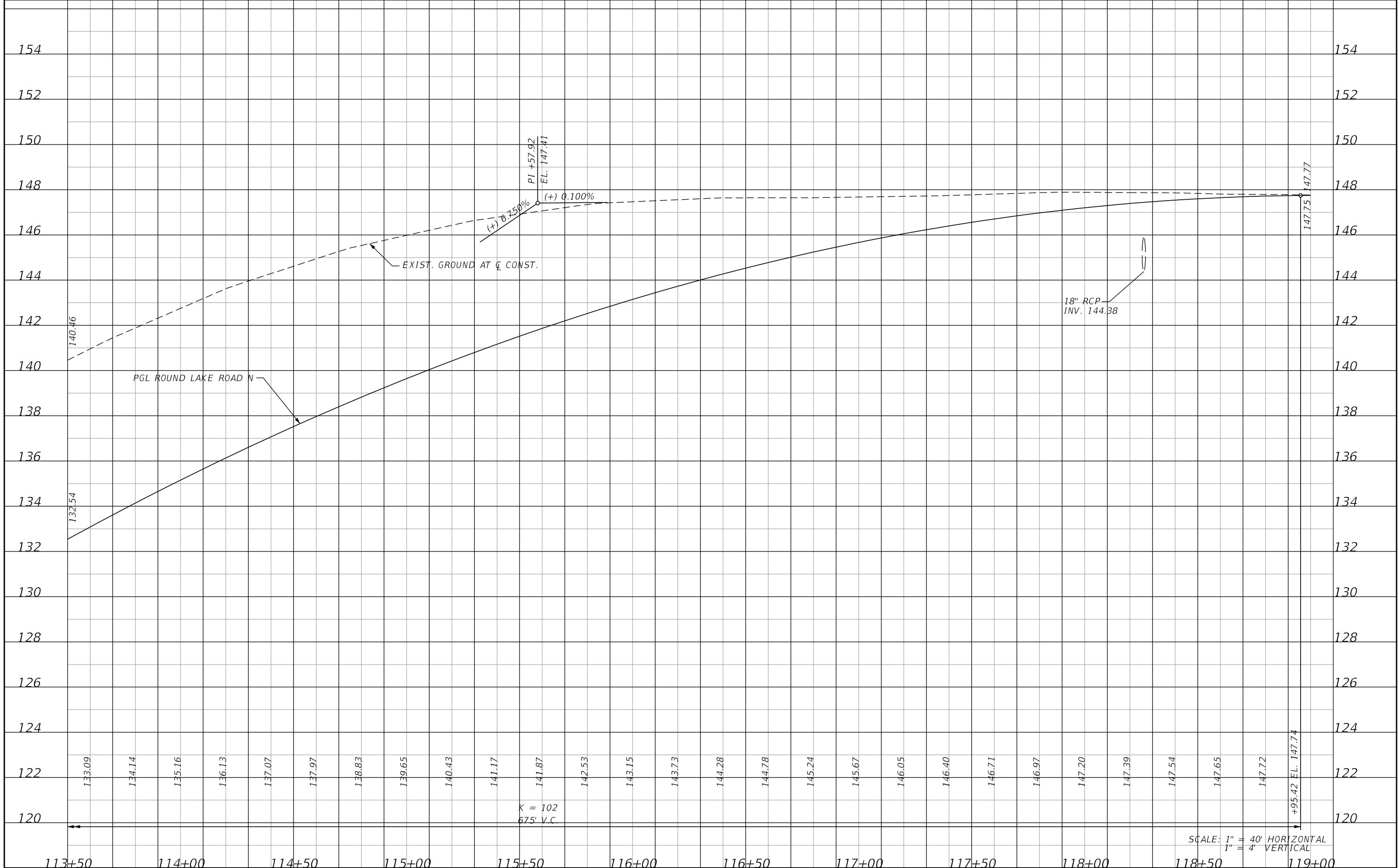
BEGIN CONSTRUCTION
 STA. 108+70.67 @ CONST. ROUND LAKE ROAD N =
 STA. 142+50.02 @ CONST. SR 46 (51' LT)
 ELEV. 107.75

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

REVISIONS		DESCRIPTION		LOCHRANE ENGINEERING, INC. 201 SOUTH BUMBY AVENUE ORLANDO, FLORIDA 32803 (407) 896-3317 FOREST W. ADKINS, P.E. P.E. NUMBER 56003 CERTIFICATE OF AUTHORIZATION NO. 2856	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 53
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-3-52-01	

PROFILE SHEET 14
ROUND LAKE ROAD NORTH

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

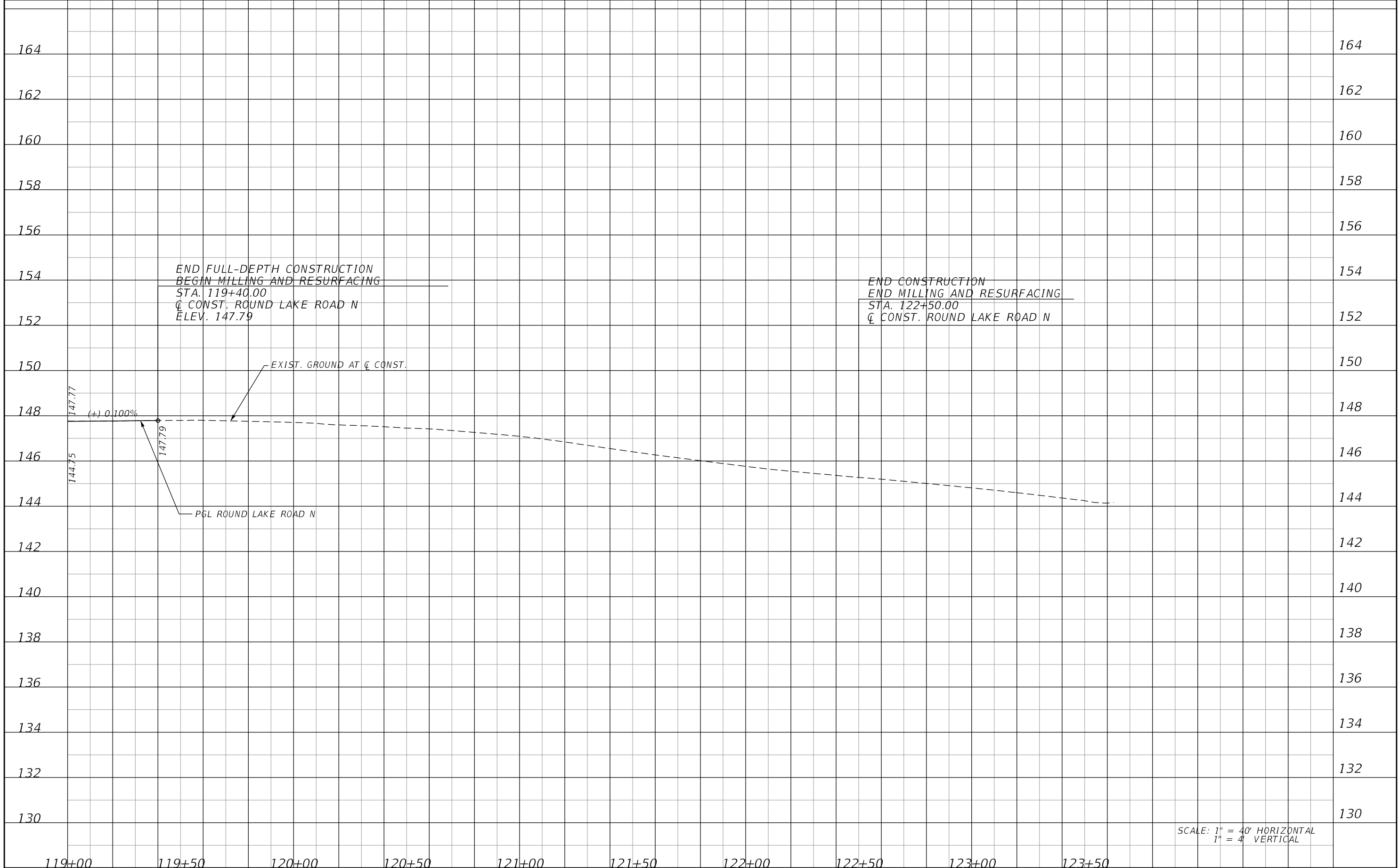
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

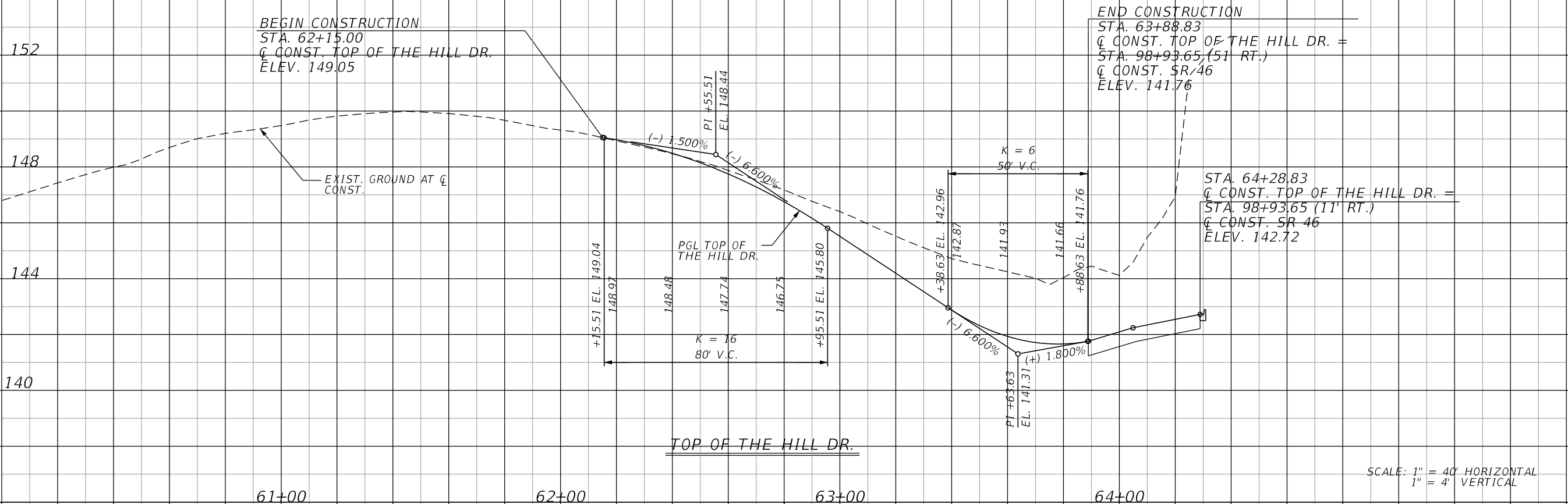
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
FOREST W. ADKINS, P.E.
P.E. NUMBER 56003
CERTIFICATE OF AUTHORIZATION NO. 2856

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

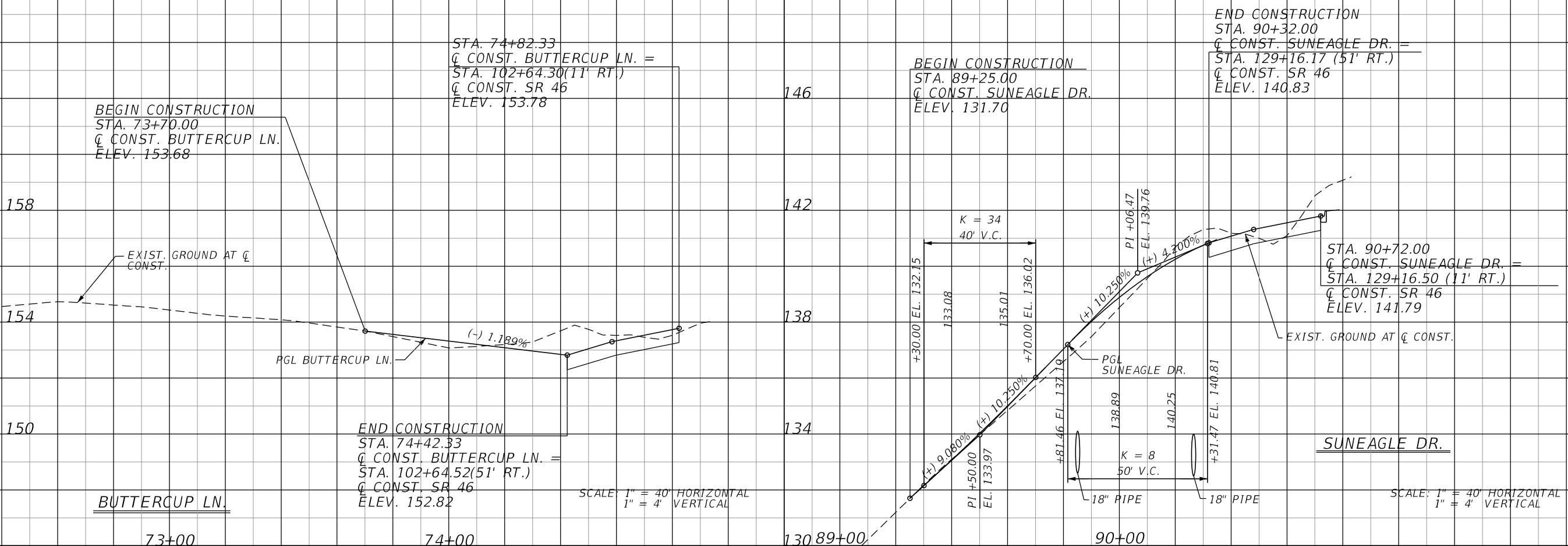
PROFILE SHEET 16
ROUND LAKE ROAD NORTH

SHEET NO.
55

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



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



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

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

REVISIONS	
DATE	DESCRIPTION

LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
FOREST W. ADKINS, P.E.
P.E. NUMBER 56003
CERTIFICATE OF AUTHORIZATION NO. 2856

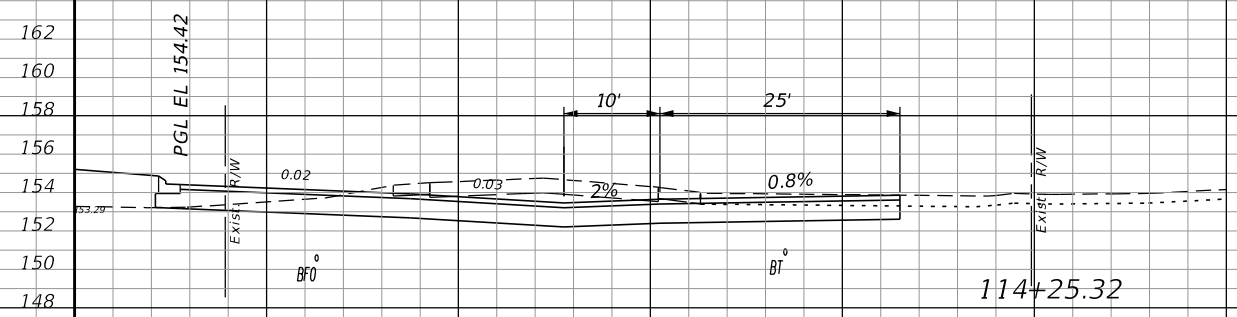
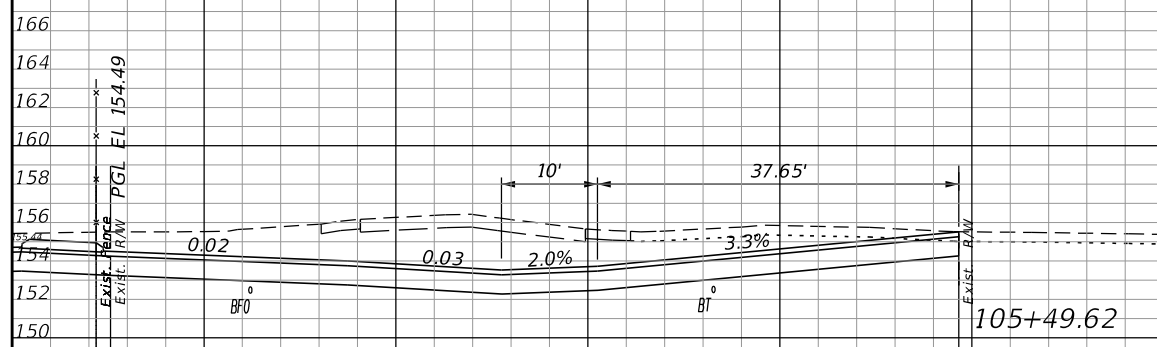
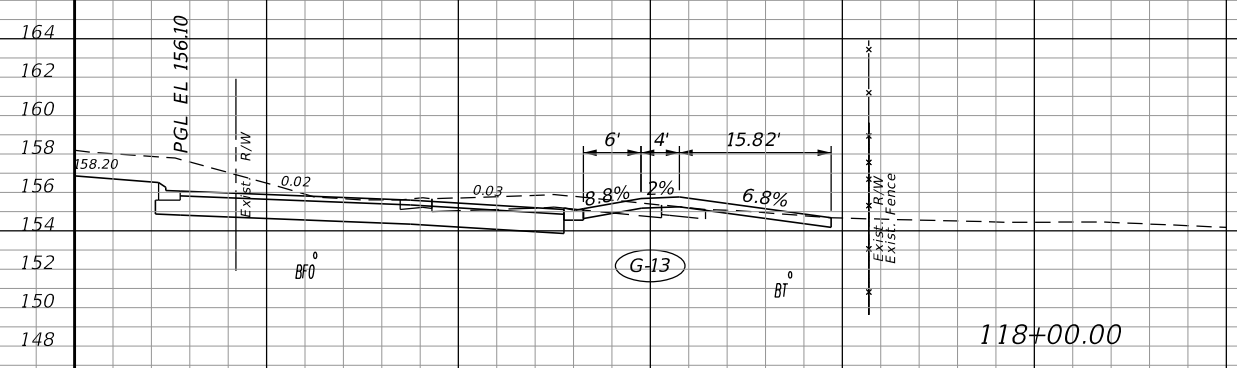
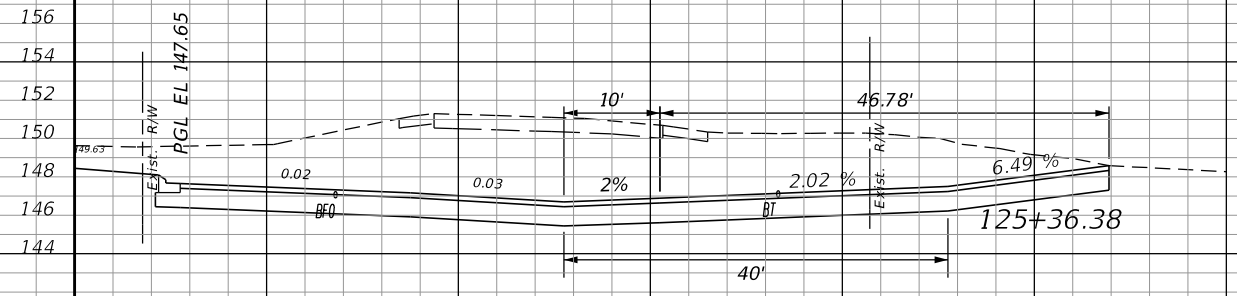
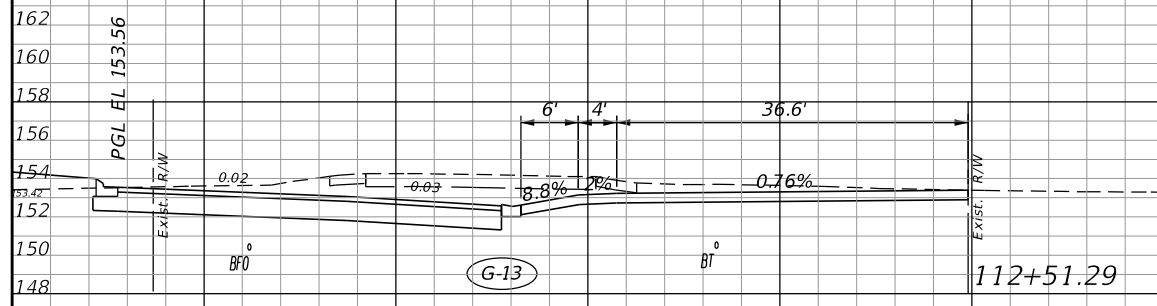
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

PROFILE SHEET 17
SIDESTREETS

SHEET NO.
56

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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

Q CONST. SR 46

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

REVISIONS	
DATE	DESCRIPTION

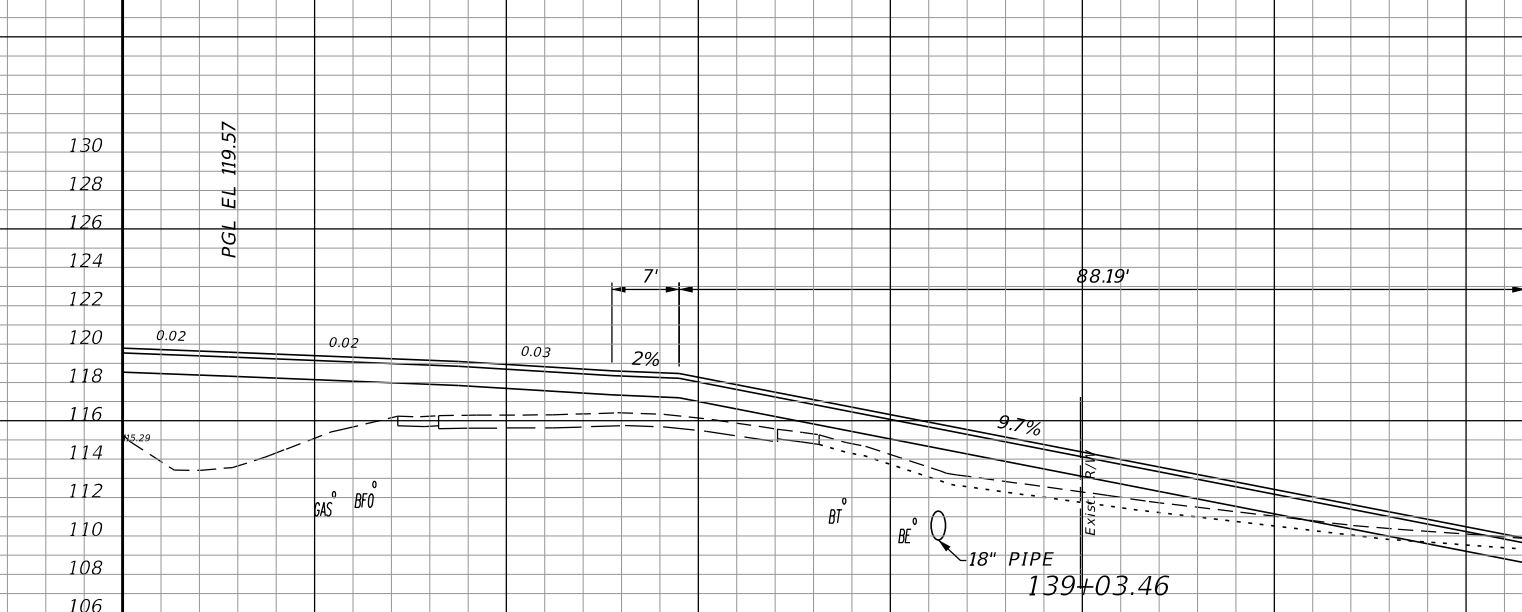
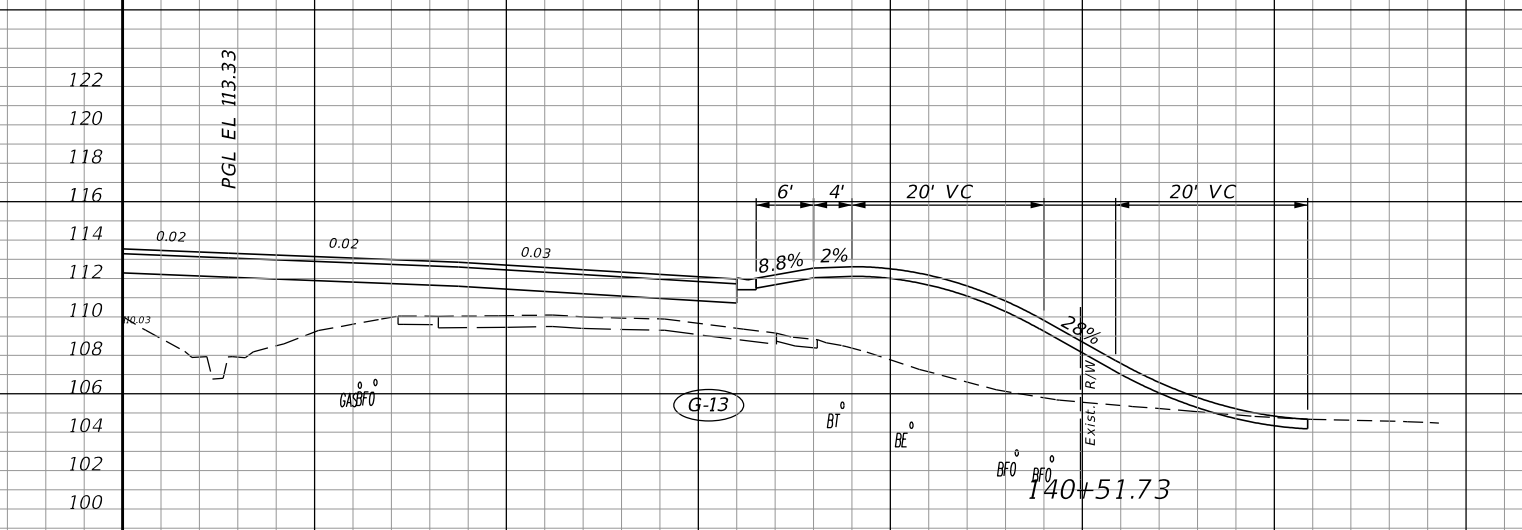
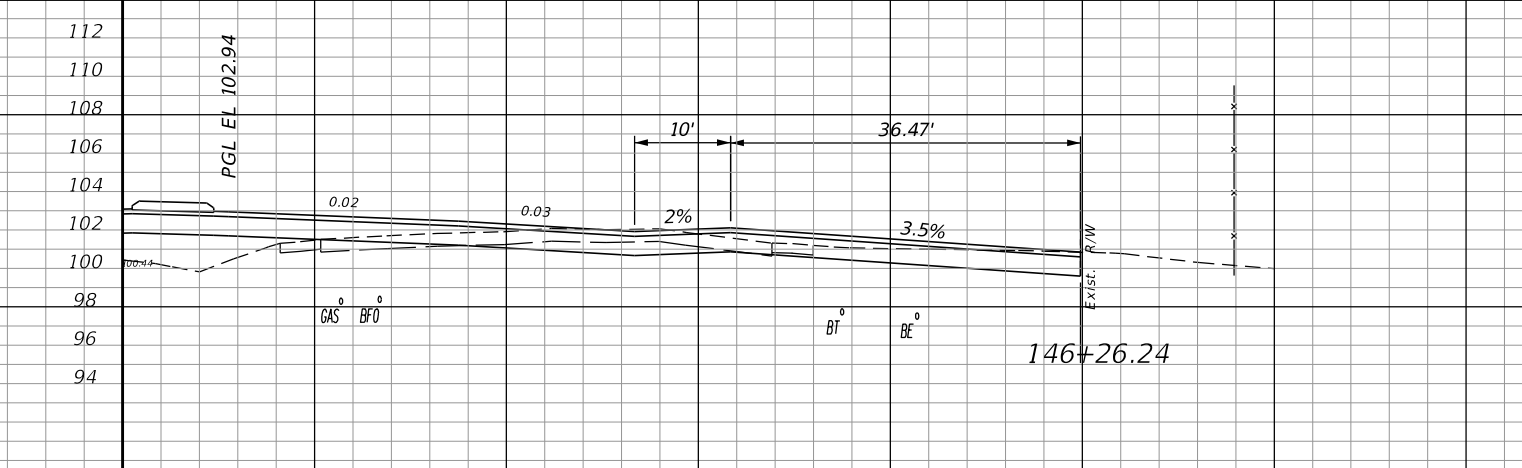
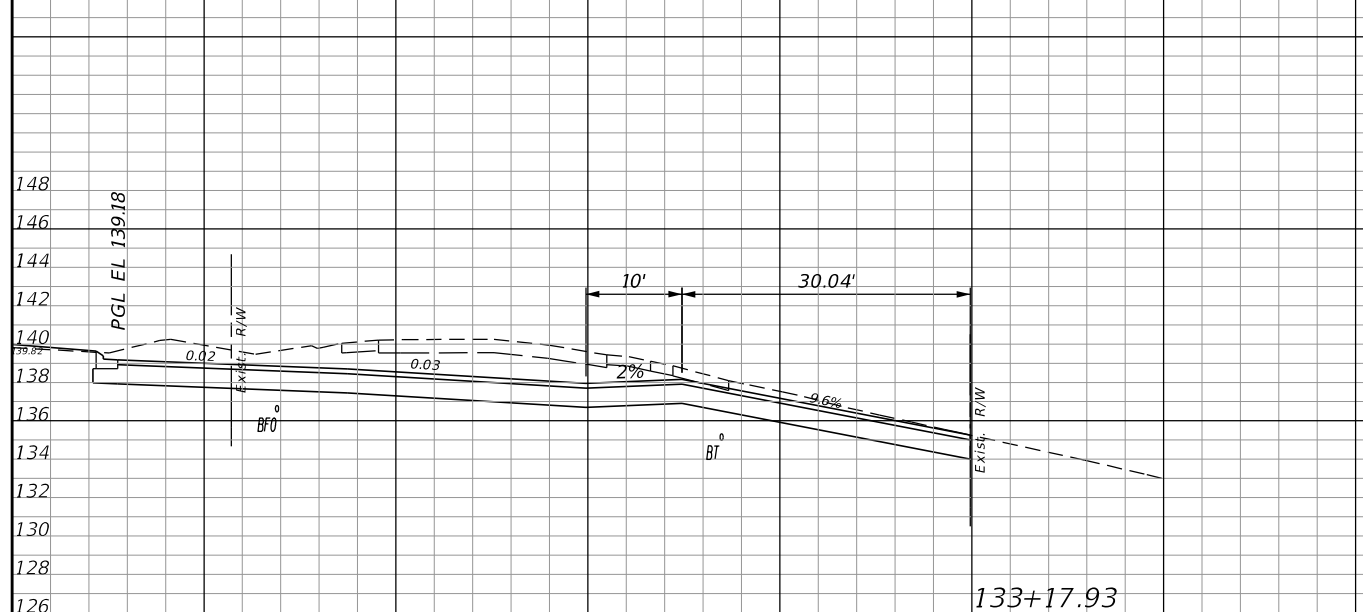
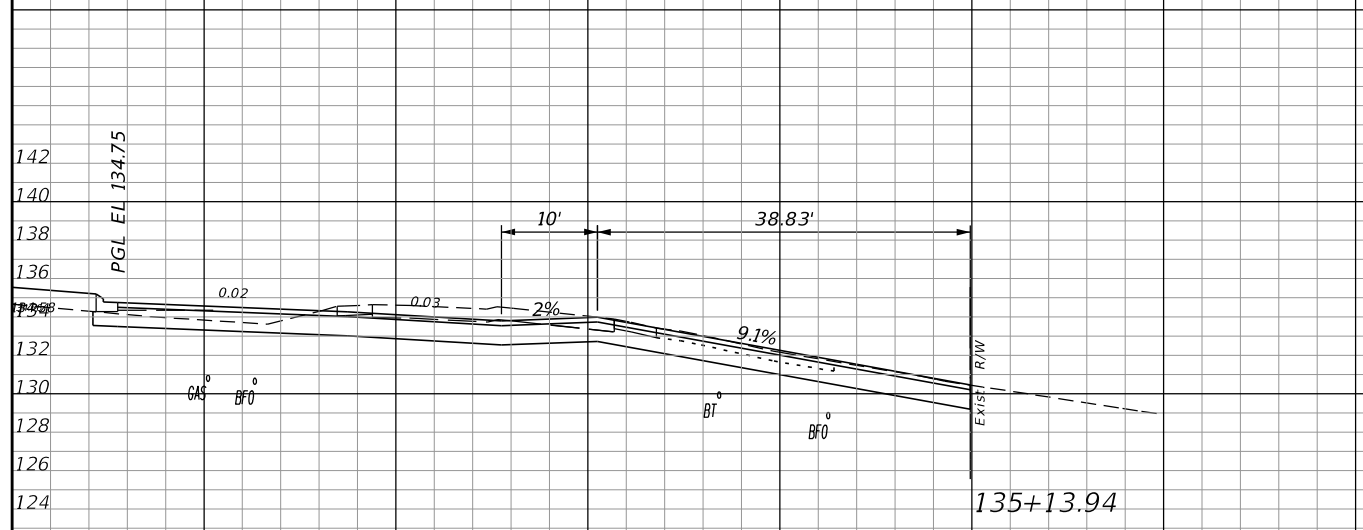
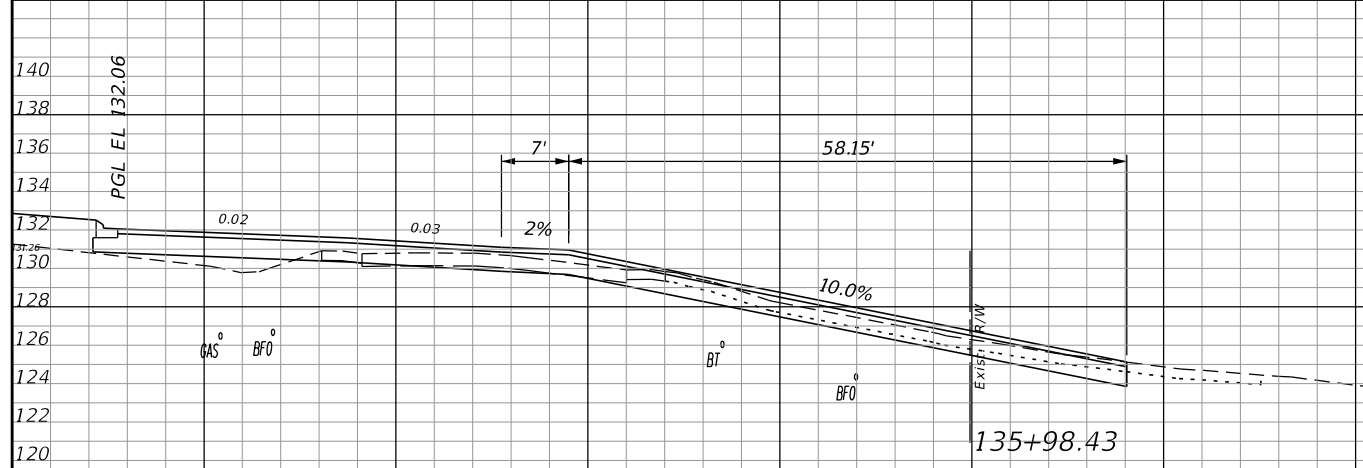
LOCHRANE ENGINEERING, INC.
201 SOUTH BUMBY AVENUE
ORLANDO, FLORIDA 32803
(407) 896-3317
FOREST W. ADKINS, P.E.
P.E. NUMBER 56003
CERTIFICATE OF AUTHORIZATION NO. 2856

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

DRIVEWAY PROFILES
SR 46 RT. SIDE

SHEET NO.
57

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

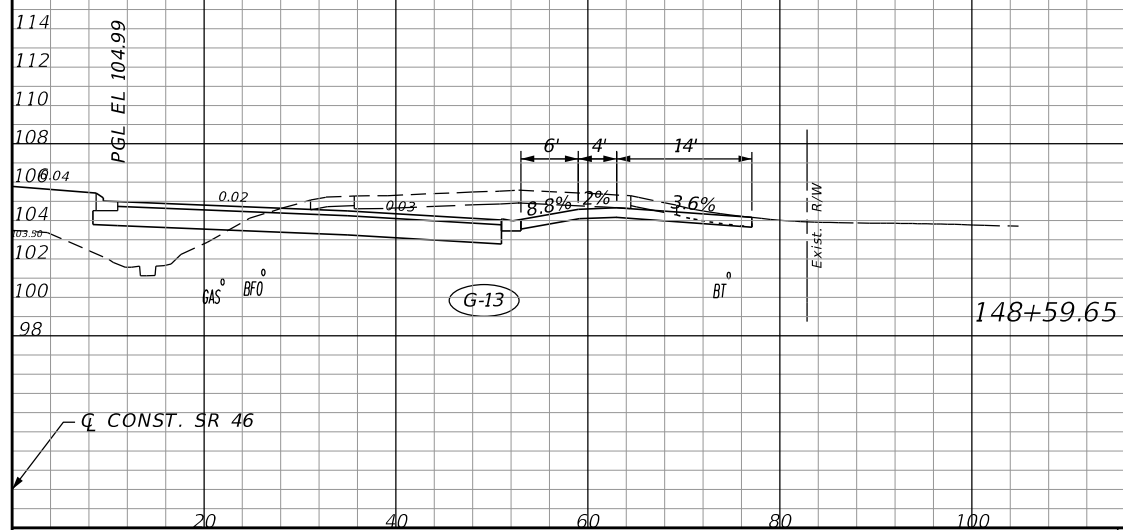
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBAY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

DRIVEWAY PROFILES
SR 46 RT. SIDE

SHEET NO.
 58

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

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DATE	DESCRIPTION	DATE	DESCRIPTION

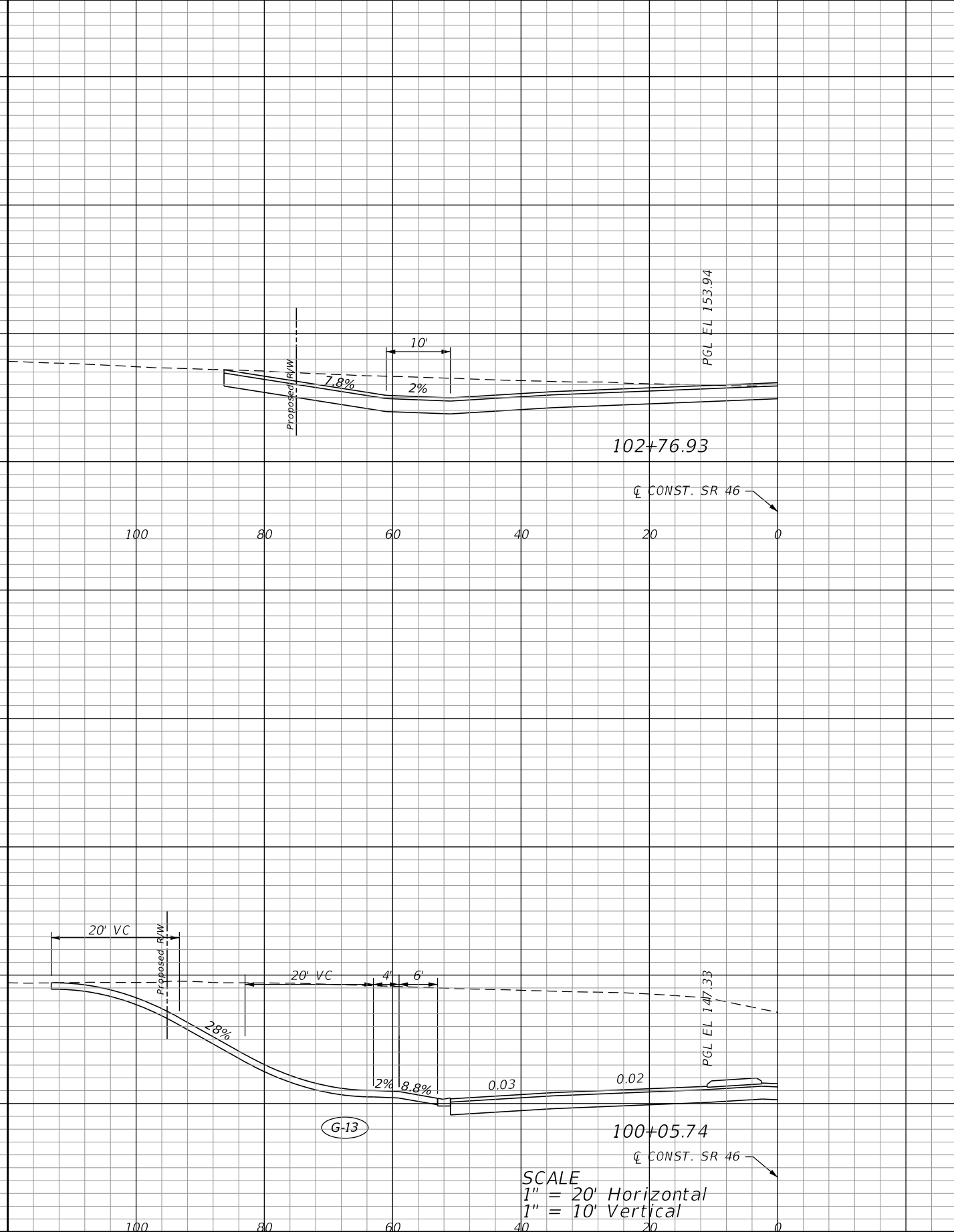
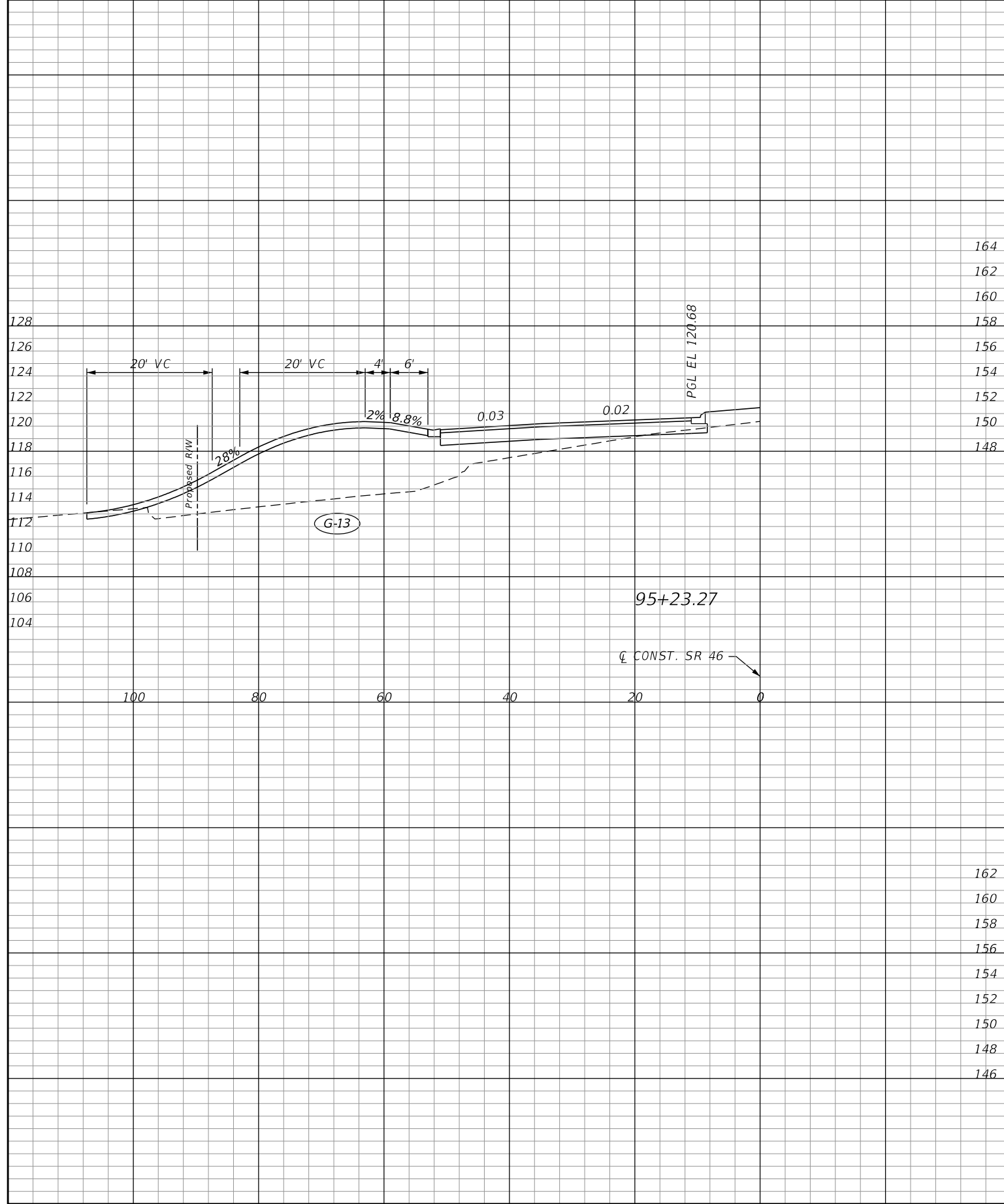
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES
SR 46 RT. SIDE

SHEET NO.
 59

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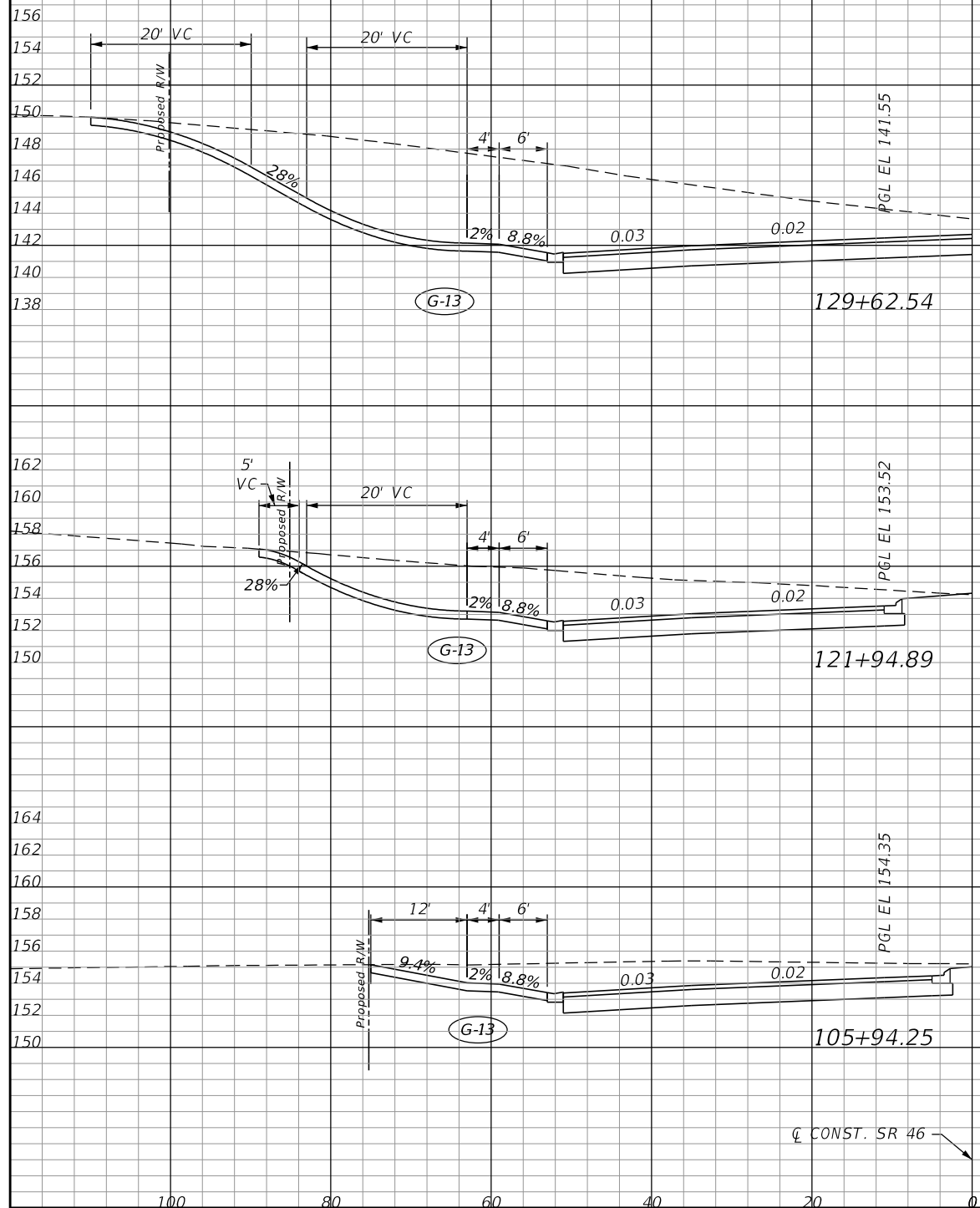
LOCHRANE ENGINEERING, INC.
 201 SOUTH BUMBY AVENUE
 ORLANDO, FLORIDA 32803
 (407) 896-3317
 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

DRIVEWAY PROFILES
SR 46 LT. SIDE

SHEET NO.
 60

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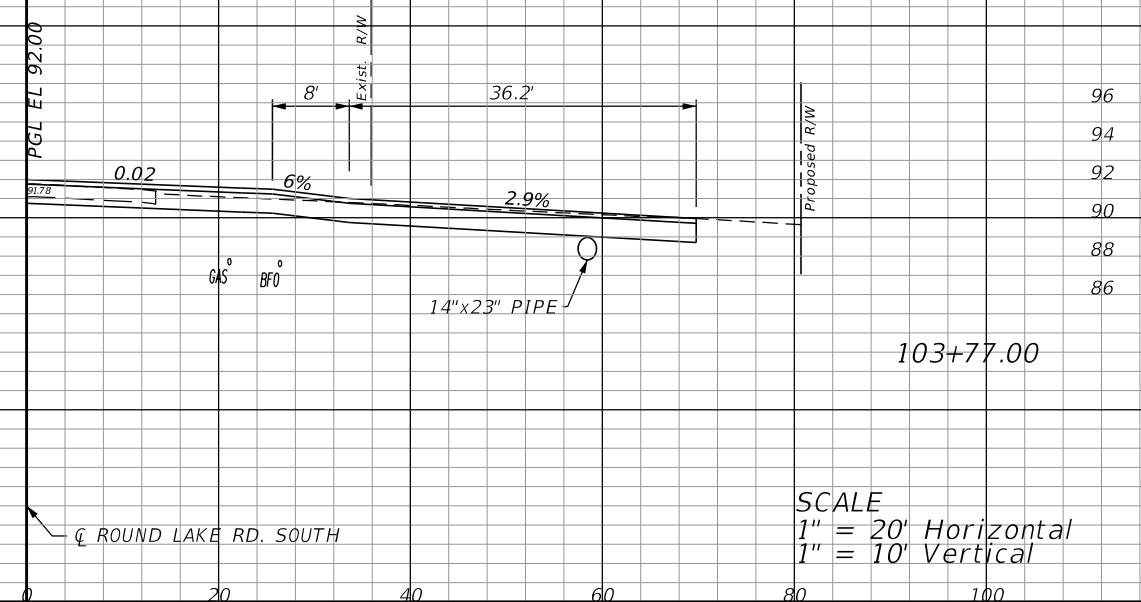
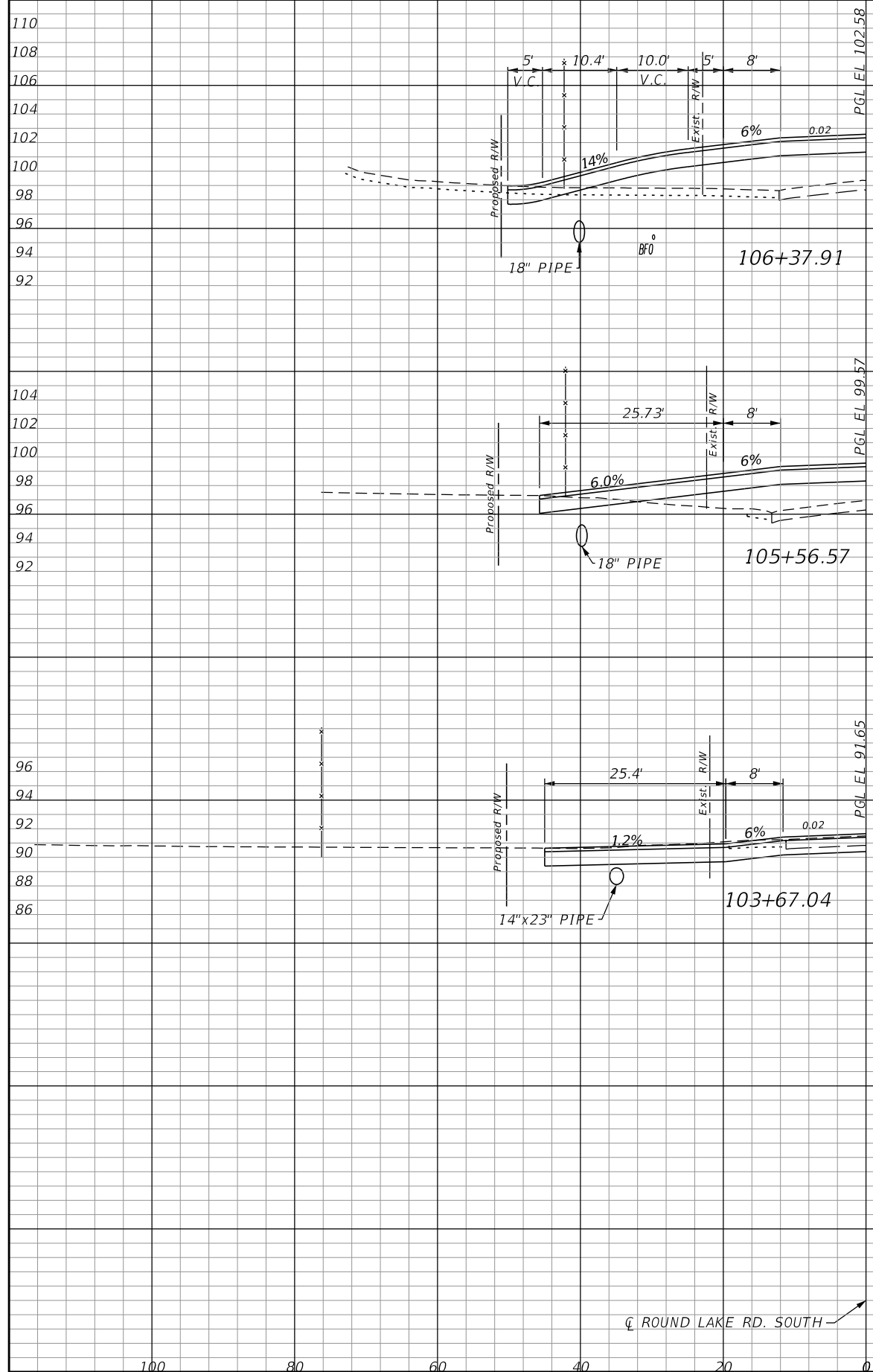
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

DRIVEWAY PROFILES
SR 46 LT. SIDE

SHEET NO.
 61

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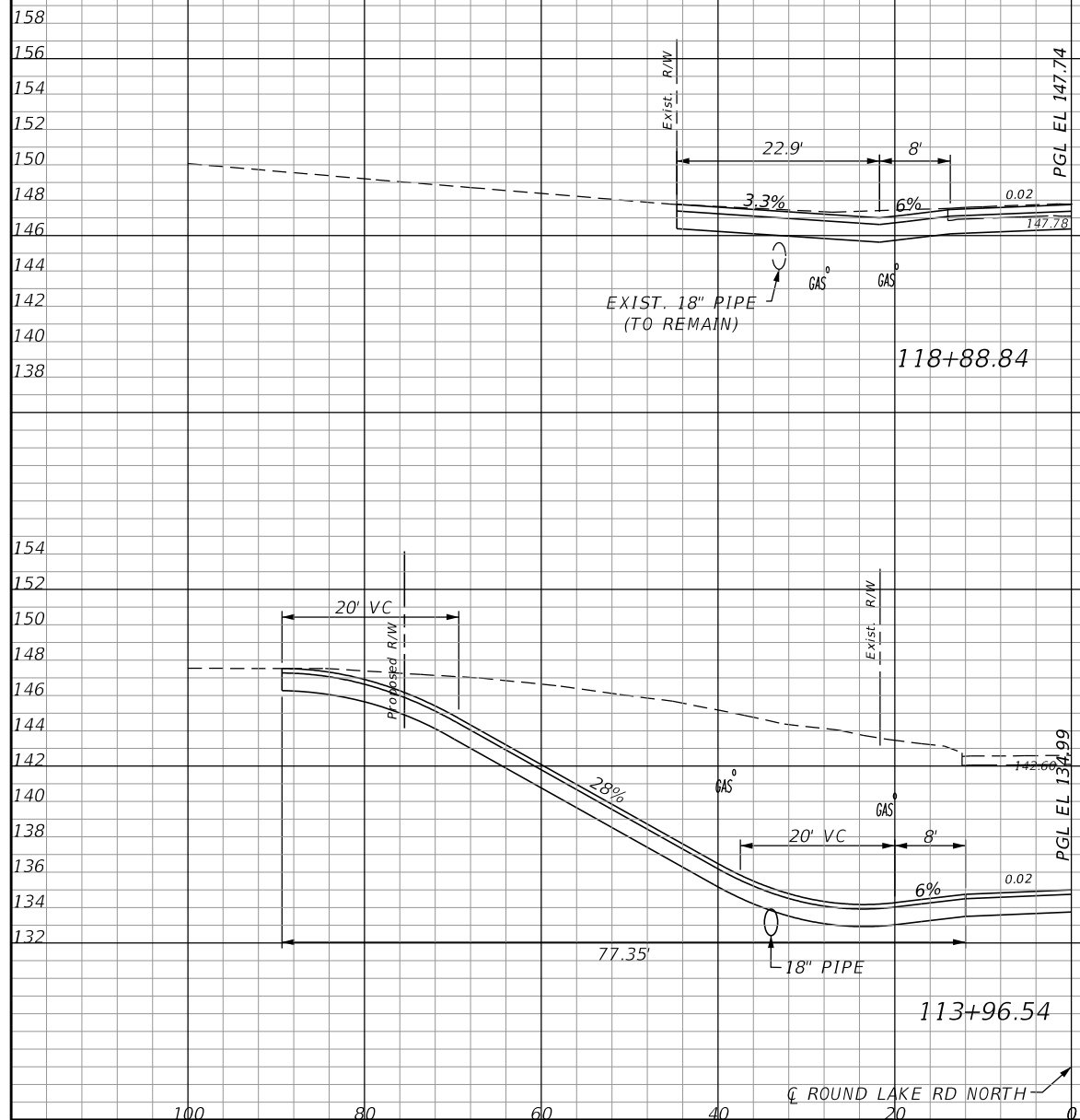
LOCHRANE ENGINEERING, INC.
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 CERTIFICATE OF AUTHORIZATION NO. 2856

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

DRIVEWAY PROFILES
ROUND LAKE ROAD SOUTH

SHEET NO.
 62

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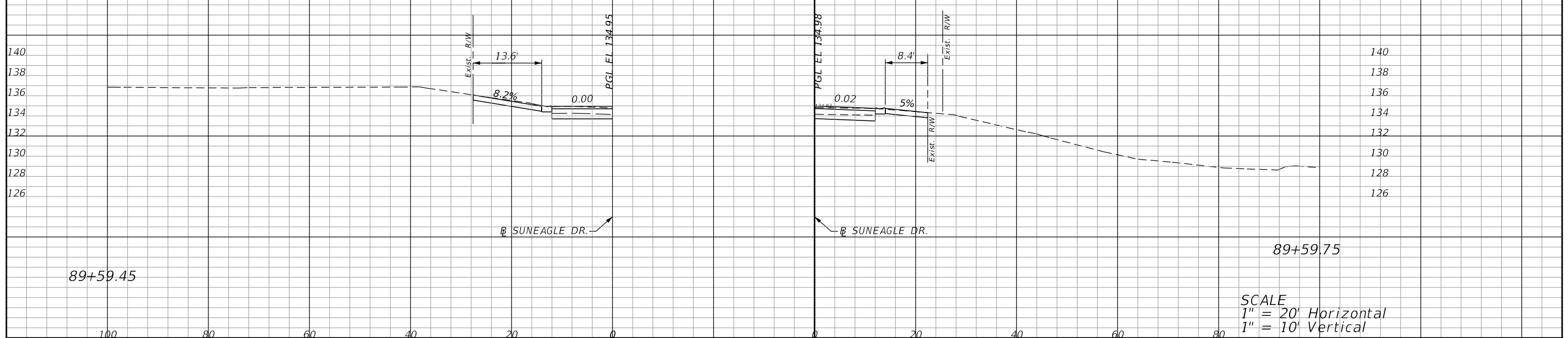
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 FOREST W. ADKINS, P.E.
 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

DRIVEWAY PROFILES
ROUND LAKE ROAD NORTH

SHEET NO.
 63

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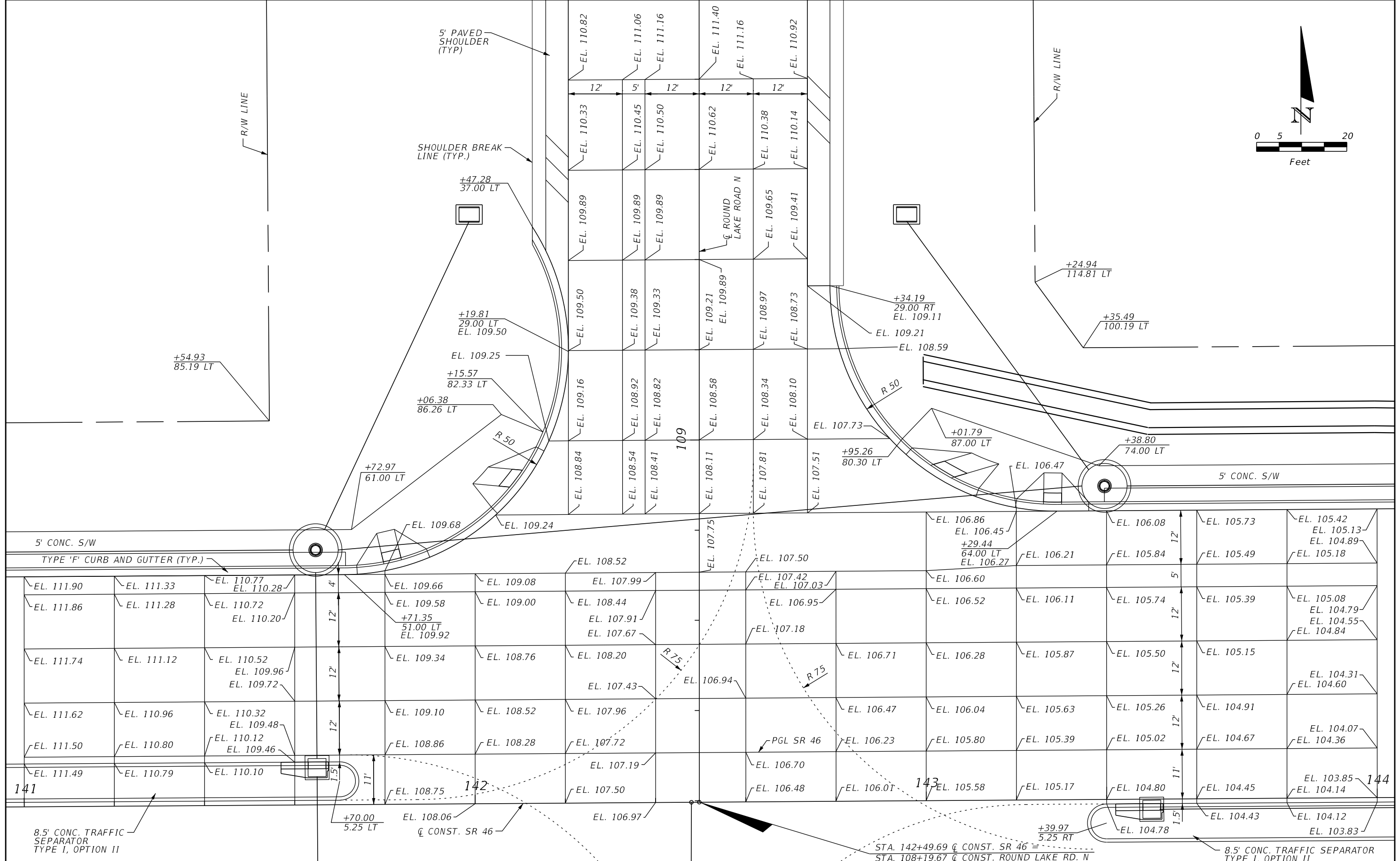
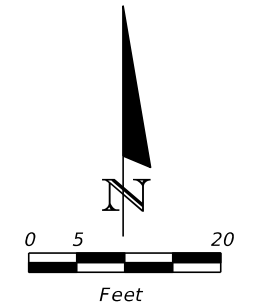
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 CERTIFICATE OF AUTHORIZATION NO. 2856

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

DRIVEWAY PROFILES
SUNEAGLE DRIVE

SHEET NO.
 64

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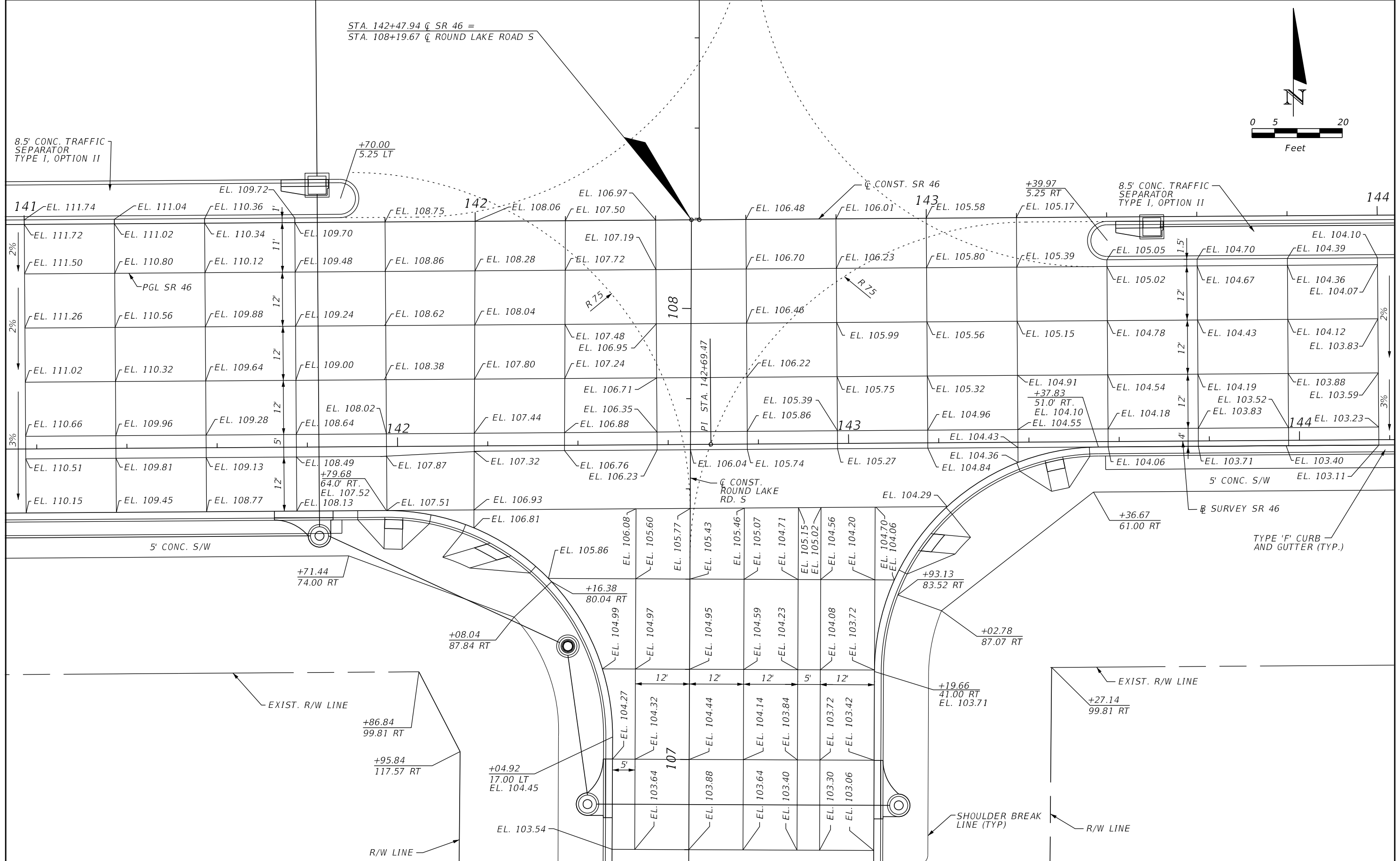
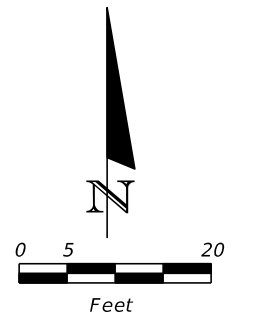
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 P.E. NUMBER 56003
 CERTIFICATE OF AUTHORIZATION NO. 2856

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

INTERSECTION DETAIL (N)
SR 46 & ROUND LAKE ROAD

SHEET
 NO.
65

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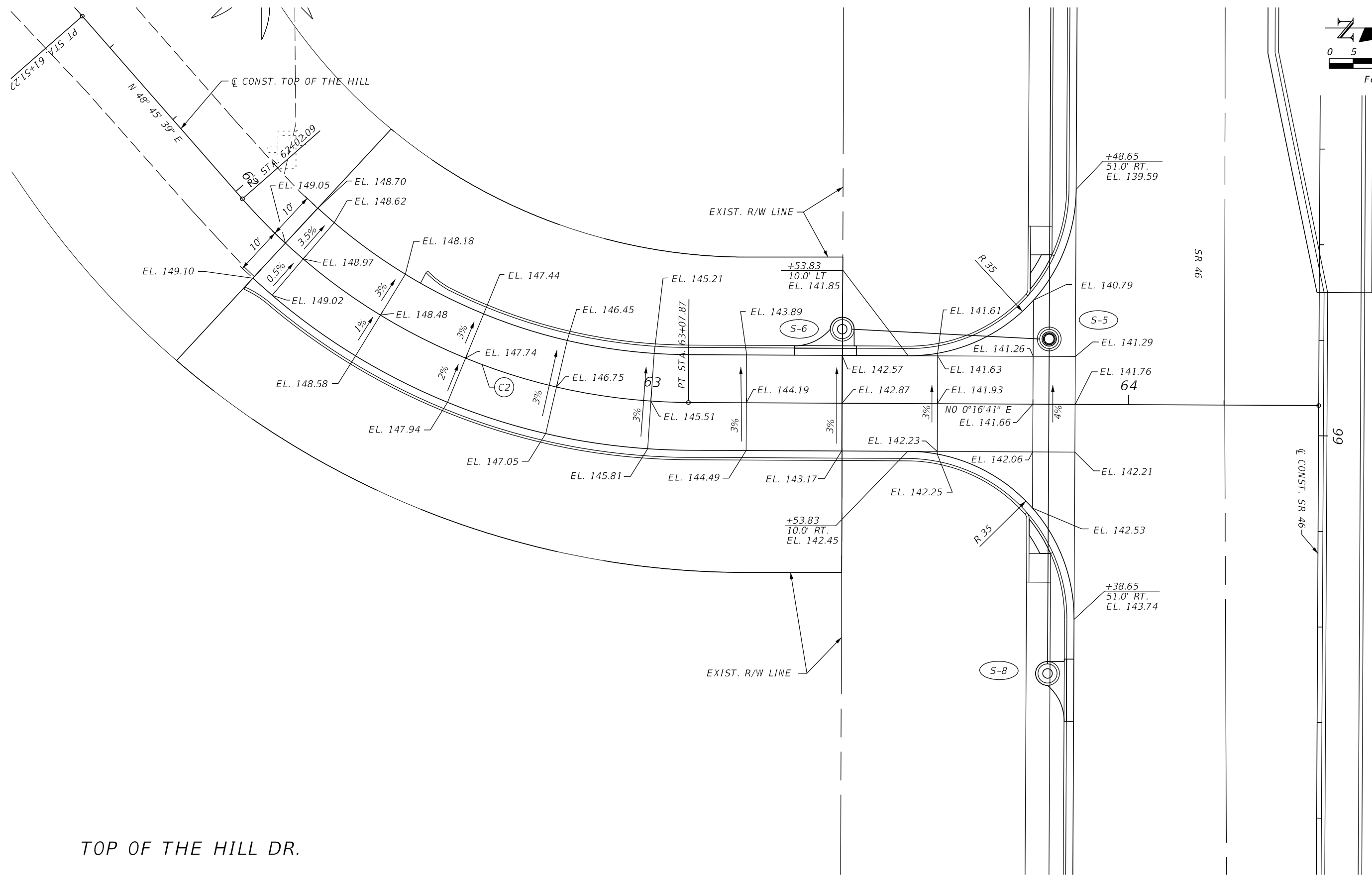
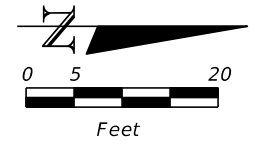
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-3-52-01

INTERSECTION DETAIL (S)
SR 46 & ROUND LAKE ROAD

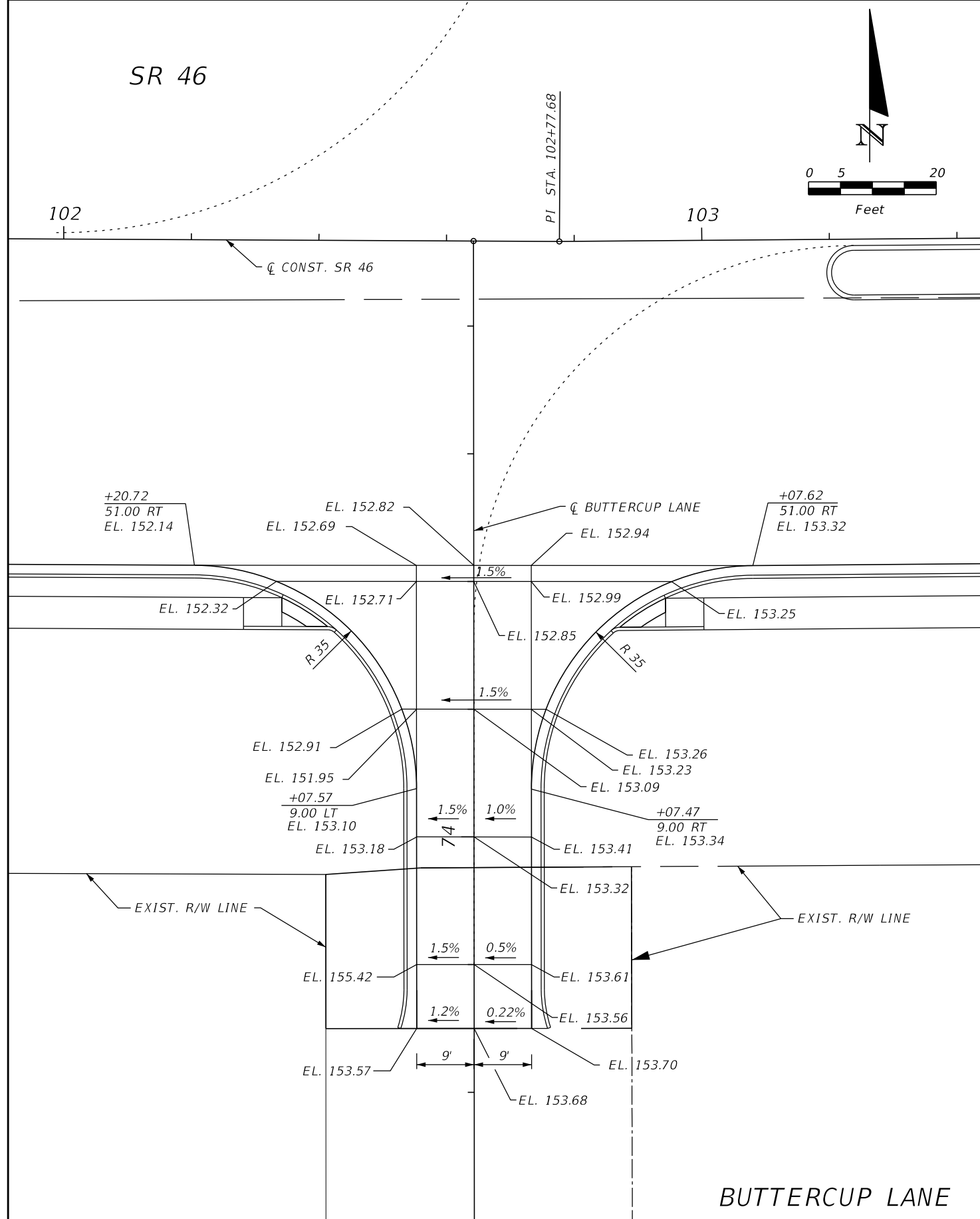
SHEET NO.
 66

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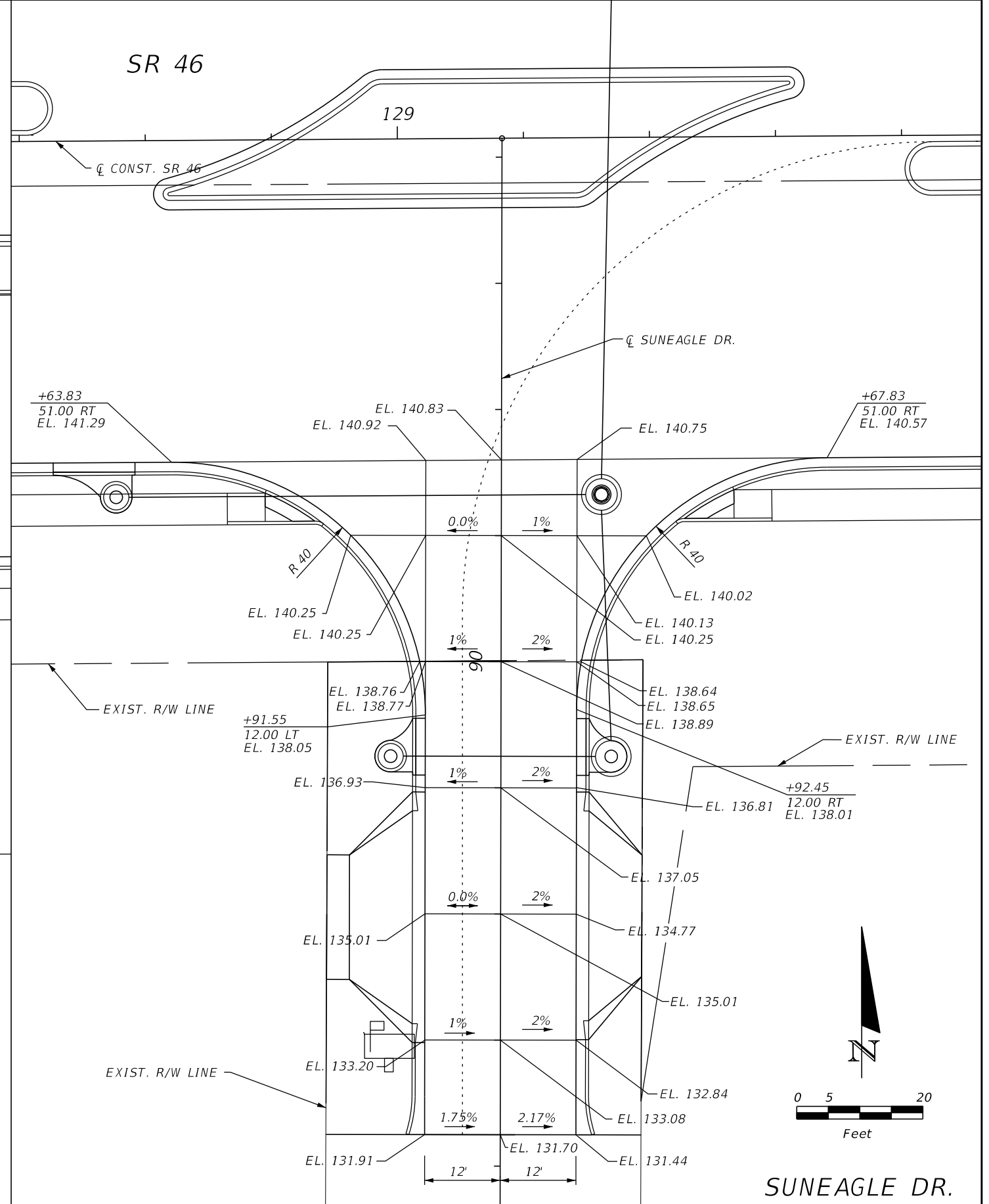


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-3-52-01			

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BUTTERCUP LANE



SUNEAGLE DR.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 (407) 896-3317
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 P.E. NUMBER 56003
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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**

SHEET NO.
68

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