

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

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LIST OF REVISED INDEX DRAWINGS

INDEX NO. SHEET NO.

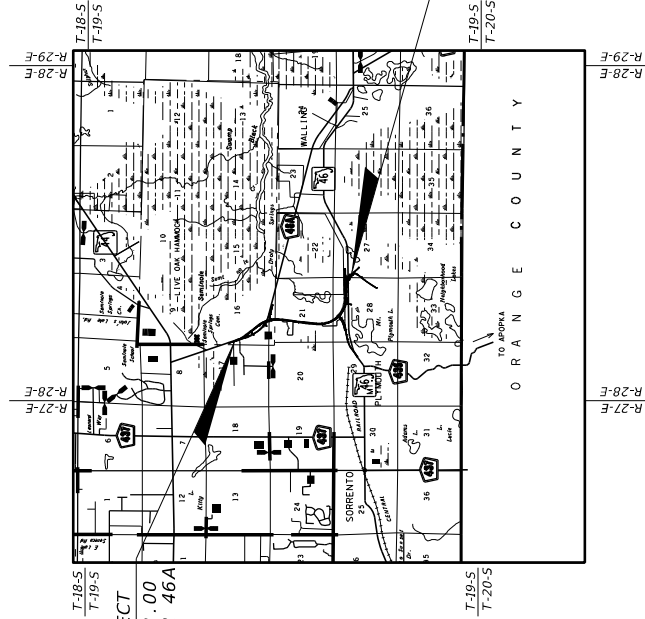
GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, January 2016 Design Standards and revised Index Drawings as appended herein, and Jan 2016 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

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

**PHASE IV PLANS UPDATE SUBMITTAL
NOVEMBER, 2015
(NOT FOR CONSTRUCTION)**

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
CONTRACT PLANS**

**FINANCIAL PROJECT ID 238275-8-52-01
(FEDERAL FUNDS)
LAKE COUNTY (11580)
COUNTY ROAD NO. 46A**

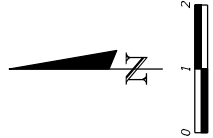
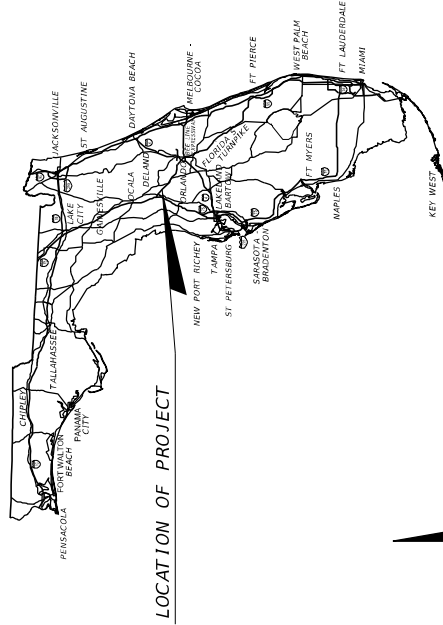


PROJECT LENGTH IS BASED ON C. OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	12,959.82	2.45
BRIDGES	0	0
NET LENGTH OF PROJECT	12,959.82	2.45
EXCEPTIONS	0	0
GROSS LENGTH OF PROJECT	12,959.82	2.45

FDOT PROJECT MANAGER: MEDHAT HASSAN, P.E.

CONSTRUCTION CONTRACT NO.



**ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:**

PAUL Q. SNEAD, P.E.
301 MAITLAND CENTER PARKWAY,
SUITE 300
MAITLAND, FL 32751
PHONE: (407) 660-2552

PLANS PREPARED BY:

DOM SMITH
2301 MAITLAND CENTER PARKWAY,
SUITE 300
MAITLAND, FL 32751
CONTRACT NUMBER: C-9968
VENDOR NUMBER: F-042-473-650
CERTIFICATE OF AUTHORIZATION NUMBER: 406

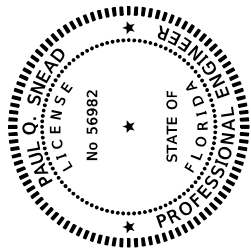
NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD: PAUL Q. SNEAD, P.E.

P.E. NO.: 56982

FISCAL YEAR	17
SHEET NO.	1

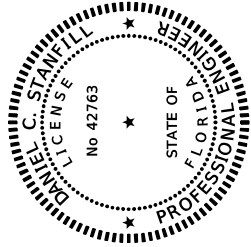


CDM Smith
2301 WAITLAND CENTER PARKWAY, SUITE 300
MAITLAND, FL 32751
CERTIFICATE OF AUTHORIZATION: 406
PAUL O. SNEAD, P.E. No. 56982

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

ROADWAY PLANS

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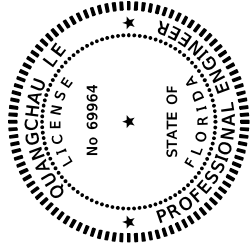


GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. (GEC)
919 LAKE BALDWIN LANE
ORLANDO, FL 32814
CERTIFICATE OF AUTHORIZATION: 5882
DANIEL C. STANFILL, P.E. No. 42763

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
2	SIGNATURE SHEET
GR-1 - GR-14	ROADWAY SOIL SURVEY
GR-15 - GR-18	TEMPORARY RETAINING WALL SOIL SURVEY
GR-19	SURCHARGE CONTROL SHEET
GR-20	POND AUGER BORING
GR-21	

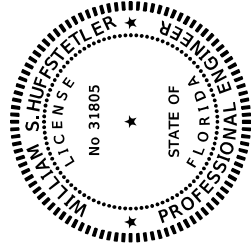


CDM Smith
2301 WAITLAND CENTER PARKWAY, SUITE 300
MAITLAND, FL 32751
CERTIFICATE OF AUTHORIZATION: 406
QUANGCHAU LE, P.E. No. 69964

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
2	SIGNATURE SHEET
264 - 265	TRAFFIC CONTROL PLANS
266 - 309	TRAFFIC CONTROL PLANS



CDM Smith
2301 WAITLAND CENTER PARKWAY, SUITE 300
MAITLAND, FL 32751
CERTIFICATE OF AUTHORIZATION: 406
WILLIAM S. HUFFSTETLER, P.E. No. 31805

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
2	SIGNATURE SHEET
266 - 267	TRAFFIC CONTROL PLANS

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 56982	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID 238275-8-52-01 COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SIGNATURE SHEET	SHEET NO. 2
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FLORIDA DEPARTMENT OF TRANSPORTATION
 PROJECT SUMMARY OF PAY ITEMS
 FOR PROJECT: 238275-8-52-01
 DISTRICT: 05 COUNTY: LAKE
 COUNTY/SECTION: 11580000
 PROJECT(S): 23827585201

LEAD PROJECT: 238275-8-52-01
 PROJECT(S): 23827585201

FLORIDA DEPARTMENT OF TRANSPORTATION
 PROJECT SUMMARY OF PAY ITEMS
 FOR PROJECT: 238275-8-52-01
 DISTRICT: 05 COUNTY: LAKE
 COUNTY/SECTION: 11580000
 PROJECT(S): 23827585201

FLORIDA DEPARTMENT OF TRANSPORTATION
 PROJECT SUMMARY OF PAY ITEMS
 FOR PROJECT: 238275-8-52-01
 DISTRICT: 05 COUNTY: LAKE
 COUNTY/SECTION: 11580000
 PROJECT(S): 23827585201

SPC ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827585201	QUANTITY	TOTAL
	0101- 1-	MOBILIZATION 23827585201	LS	1.000	1.000	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC 23827585201	(LS)	1.000	1.000	1.000
	0102- 2-	SPECIAL DETOUR 1	LS	1.000	1.000	1.000
	0102- 2-	SPECIAL DETOUR 2	LS	1.000	1.000	1.000
	0102- 2-	SPECIAL DETOUR 3	LS	1.000	1.000	1.000
	0102- 60-	WORK ZONE SIGN	ED	5372.000	5372.000	5372.000
	0102- 71- 11	BARRIER WALL, TEMPORARY, F&I, CONCRETE	LF	3129.000	3129.000	3129.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES 1, 11, D1, VP, DRUM, OR LCD	ED	15154.000	15154.000	15154.000
	0102- 74- 2	CHANNELIZING DEVICE, TYPE 111, 6"	ED	1292.000	1292.000	1292.000
	0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	7516.000	7516.000	7516.000
	0102- 89- 1	TEMPORARY CRUSH CUSHION, REDIRECTIVE OPTION	LO	14.000	14.000	14.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	1926.000	1926.000	1926.000
	0104- 10- 3	SEDIMENT BARRIER	LF	32831.000	32831.000	32831.000
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	554.000	554.000	554.000
	0104- 15-	SOIL TRACKING PREVENTION DEVICE	EA	10.000	10.000	10.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	2.000	2.000	2.000
	0107- 1-	LITTER REMOVAL	AC	421.000	421.000	421.000
	0107- 2-	MOWING	AC	396.000	396.000	396.000
	0110- 1-	CLEARING & GRUBBING 23827585201	(LS)	1.000	1.000	1.000
	0110- 4-	REMOVAL OF EXISTING CONCRETE PAVEMENT	SF	7918.000	7918.000	7918.000
	0110- 7- 1	MATERIAL, F&I SINGLE	EA	12.000	12.000	12.000
	0120- 1-	REGULAR EXCAVATION	CY	616158.000	616158.000	616158.000
	0120- 4-	SURSOIL EXCAVATION	CY	28609.000	28609.000	28609.000
	0120- 6-	EMBANKMENT	CY	143166.000	143166.000	143166.000
T	0120- 74-	SURCHARGE EMBANKMENT	CY	11549.000	11549.000	11549.000
T	0141- 70-	SETTLEMENT PLATE ASSEMBLY	AS	3.000	3.000	3.000
D	0145- 2-	GEOSYNTHETIC REINFORCED FOUNDATION OVER SOFT SOIL	SF	1500.000	1500.000	1500.000
	0160- 4-	TYPE B STABILIZATION	SF	106611.000	106611.000	106611.000
	0285-701-	OPTIONAL BASE, BASE GROUP 01	SF	23843.000	23843.000	23843.000
	0285-704-	OPTIONAL BASE, BASE GROUP 04	SF	6992.000	6992.000	6992.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SF	57514.000	57514.000	57514.000
	0327- 70- 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	SF	1851.000	1851.000	1851.000
	0327- 70- 7	MILLING EXIST ASPH PAVT, 4" AVG DEPTH	SF	782.000	782.000	782.000
	0334- 1- 11	SUPERPAVE ASPHALTIC CONC, TRAFFIC A	TN	482.500	482.500	482.500
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	6406.900	6406.900	6406.900
	0337- 7- 24	ASPHALT CONCRETE FRICTION COURSE, FC-5, PG 76-22, ARB	TN	321.700	321.700	321.700
	0337- 7- 73	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22, ARB	TN	4055.800	4055.800	4055.800
	0337- 7- 74	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22, ARB	TN	901.900	901.900	901.900
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	47.200	47.200	47.200
	0400- 1- 2	CONCRETE CLASS 1, ENDWALLS	CY	21.120	21.120	21.120

PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 30982

DATE	DESCRIPTION	REVISIONS

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY FINANCIAL PROJECT ID
 CR 46A LAKE 238275-8-52-01

LEO
 11/05/2015
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SUMMARY OF PAY ITEMS (1)

FLORIDA DEPARTMENT OF TRANSPORTATION
PROJECT SUMMARY OF PAY ITEMS
FOR PROJECT: 238275-8-52-01

LEAD PROJECT : 238275-8-52-01	DISTRICT : 05	COUNTY : LAKE	COUNTY/SECTION : 11580000
PROJECT(S) : 23827585201	0200 SUMMARY OF ROADWAY		

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827585201	QUANTITY	TOTAL
		0520- 3-	VALLEY GUTTER- CONCRETE	LF	25.000	25.000	25.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	48.000	48.000	48.000
		0524- 1- 19	CONCRETE DITCH PAVT, 3", REINFORCED	SY	3344.000	3344.000	3344.000
		0527- 2-	DETECTABLE WARNING	SF	369.000	369.000	369.000
		0536- 1- 1	GUARDRAIL -ROADWAY	LF	1338.000	1338.000	1338.000
		0536- 7-	SPECIAL GUARDRAIL POST	EA	8.000	8.000	8.000
		0536- 73-	GUARDRAIL REMOVAL	LF	618.000	618.000	618.000
		0536- 85- 24	GUARDRAIL END ANCHORAGE ASSEMBLY- FLARED	EA	1.000	1.000	1.000
		0536- 85- 25	GUARDRAIL END ANCHORAGE ASSEMBLY- PARALLEL	EA	1.000	1.000	1.000
		0550- 10-259	FENCING, TYPE B, 8.1-10.0', SPECIAL	LF	3132.000	3132.000	3132.000
		0570- 1- 1	PERFORMANCE TURF	SY	36524.000	36524.000	36524.000
		0570- 1- 2	PERFORMANCE TURF, 50D	SY	15923.000	15923.000	15923.000
		0710- 11-101	PAINTED PAVEMENT MARKINGS- STANDARD, WHITE, SOLID, 6"	GM	7.000	7.000	7.000
		0710- 11-125	PAINTED PAVEMENT MARKINGS- STANDARD, WHITE, SOLID, 6"	LF	167.000	167.000	167.000
		0710- 11-141	PAINTED PAVEMENT MARKINGS- STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.070	0.070	0.070
		0710- 11-170	PAINTED PAVEMENT MARKINGS- STANDARD, WHITE, ARROWS	EA	20.000	20.000	20.000
		0710- 11-201	PAINTED PAVEMENT MARKINGS- STANDARD, YELLOW, SOLID, 6"	GM	9.000	9.000	9.000
		0710- 11-224	PAINTED PAVEMENT MARKINGS- STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	1510.000	1510.000	1510.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 23827585201	LS	1.000	N	1.000

FLORIDA DEPARTMENT OF TRANSPORTATION
PROJECT SUMMARY OF PAY ITEMS
FOR PROJECT: 238275-8-52-01

LEAD PROJECT : 238275-8-52-01	DISTRICT : 05	COUNTY : LAKE	COUNTY/SECTION : 11580000
PROJECT(S) : 23827585201	0300 SUMMARY OF SIGNING		

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	23827585201	QUANTITY	TOTAL
		0546- 72- 53	RUMBLE STRIPS, GROUND IN, 8" LOGELINE USED WITH STRIPE	GM	2.150	2.150	2.150
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	78.000	78.000	78.000
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	16.000	16.000	16.000
		0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	4.000	4.000	4.000
		0700- 2- 11	MULTI- POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	2.000	2.000	2.000
		0700- 2- 12	MULTI- POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	2.000	2.000	2.000
		0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	2.000	2.000	2.000
		0705- 10- 1	OBJECT MARKER, TYPE 1	EA	3.000	3.000	3.000
		0705- 11- 1	DELINEATOR, FLEXIBLE TUBULAR	EA	14.000	14.000	14.000
		0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE 23827585201	LS	1.000	1.000	1.000
		0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	0.090	0.090	0.090
		0711- 11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	0.250	0.250	0.250
		0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	429.000	429.000	429.000
		0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	61.000	61.000	61.000
		0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	894.000	894.000	894.000
		0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.360	0.360	0.360
		0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	7.000	7.000	7.000
		0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	50.000	50.000	50.000
		0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	2461.000	2461.000	2461.000
		0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE / 6-10 DOTTED EXTENSION LINE, 6"	GM	0.020	0.020	0.020
		0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	20.000	20.000	20.000
		0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROWS	EA	20.000	20.000	20.000
		0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	8.650	8.650	8.650
		0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6"-10.30 SKIP OR 3-9 LANE DROP	GM	0.250	0.250	0.250
		0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	9.000	9.000	9.000
		0711- 16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.240	0.240	0.240

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 PAUL O. SNEAD, P.E. P.E. NUMBER: 30982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID CR 46A LAKE 238275-8-52-01	SHEET NO. SUMMARY OF PAY ITEMS (2)	4
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FLORIDA DEPARTMENT OF TRANSPORTATION
 PROJECT SUMMARY OF PAY ITEMS
 FOR PROJECT : 238275-8-52-01
 DISTRICT : 05 COUNTY/SECTION : 11580000
 PROJECT(S) : 23827585201 COUNTY : LAKE

0500 SUMMARY OF SIGNALIZATION			
SPEC. ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT 23827585201 QUANTITY TOTAL
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF 18270.000 18270.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF 75.000 75.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI 1.000 1.000
	0634- 4-153	SPAW WIRE ASSEMBLY, F&I, TWO POINT, BOX OR DROP BOX	PI 1.000 1.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA 18.000 18.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA 38.000 38.000
	0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA 1.000 1.000
	0639- 1-111	ELECTRICAL POWER SERVICE, F&I, OVERHEAD, METER FURNISHED BY POWER COMPANY	AS 1.000 1.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE	LF 210.000 210.000
	0641- 2- 18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII	EA 4.000 4.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA 2.000 2.000
	0650- 1- 14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS 7.000 7.000
	0650- 1- 16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS 1.000 1.000
	0650- 1- 18	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS 1.000 1.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY AS POWERED, COMPLETE ASSEMBLY - SINGLE DIRECTION	AS 2.000 2.000
	0654- 2- 21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL - SOLAR POWERED, COMPLETE ASSEMBLY - SINGLE DIRECTION	AS 4.000 4.000
	0660- 2-102	LOOP ASSEMBLY, F&I, TYPE B	AS 4.000 4.000
	0660- 2-106	LOOP ASSEMBLY, F&I, TYPE F	AS 4.000 4.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA 2.000 2.000
	0670- 5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEW	AS 1.000 1.000
	0700- 5- 22	INTERVALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA 4.000 4.000

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

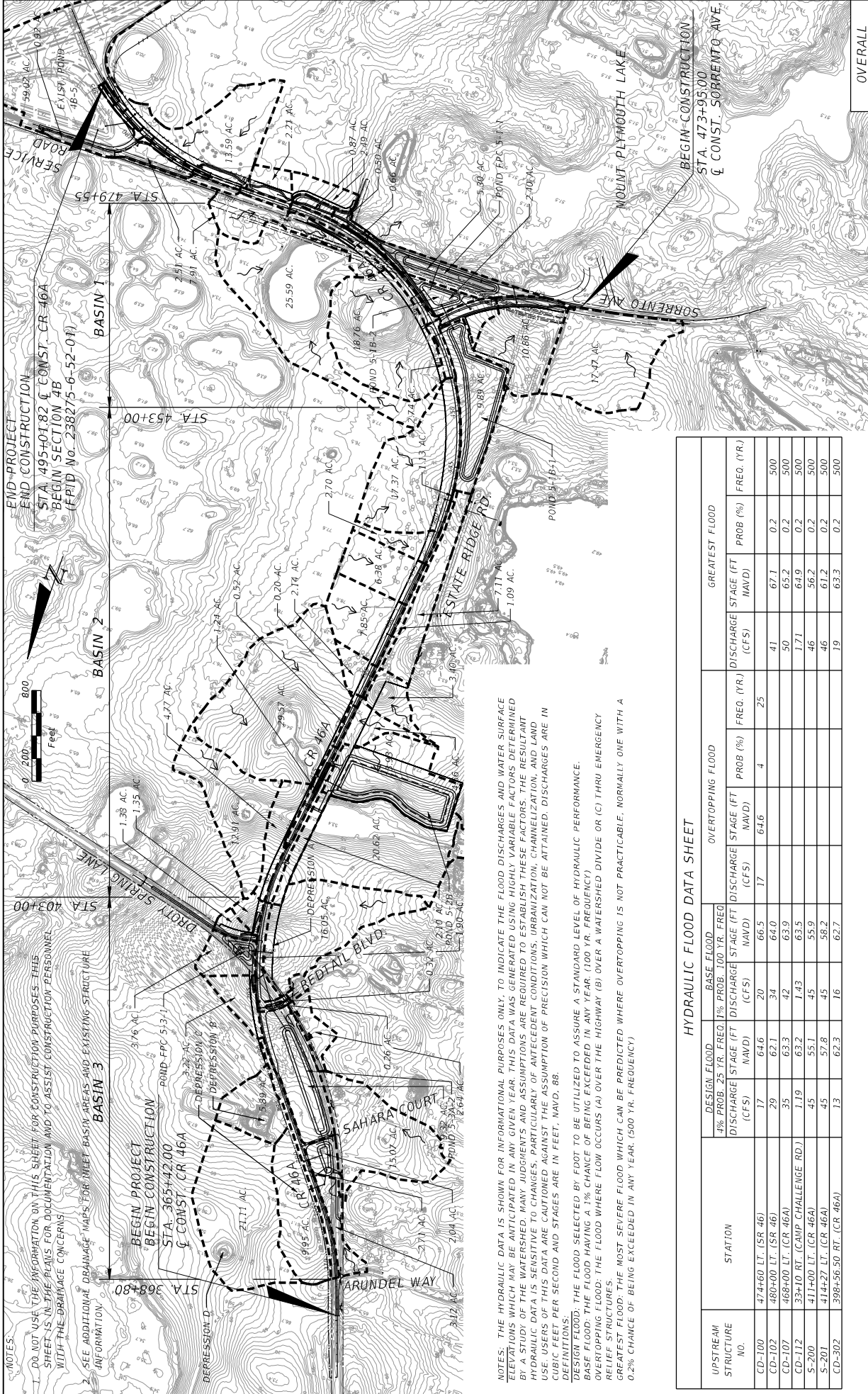
PREPARED BY:
 CDM SMITH
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
CR 46A	238275-8-52-01
COUNTY	LAKE

SUMMARY OF PAY ITEMS (3)

11/03/2015 11:52:12 AM
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 ©\Projects\CR46A_Realignm\23827585201\summary\csfr401.dgn

SHEET NO. 5



NOTES:
 1. DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLEAS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH THE DRAINAGE CONCERNS.
 2. SEE ADDITIONAL DRAINAGE MAPS FOR INLET BASIN AREAS AND EXISTING STRUCTURE INFORMATION.

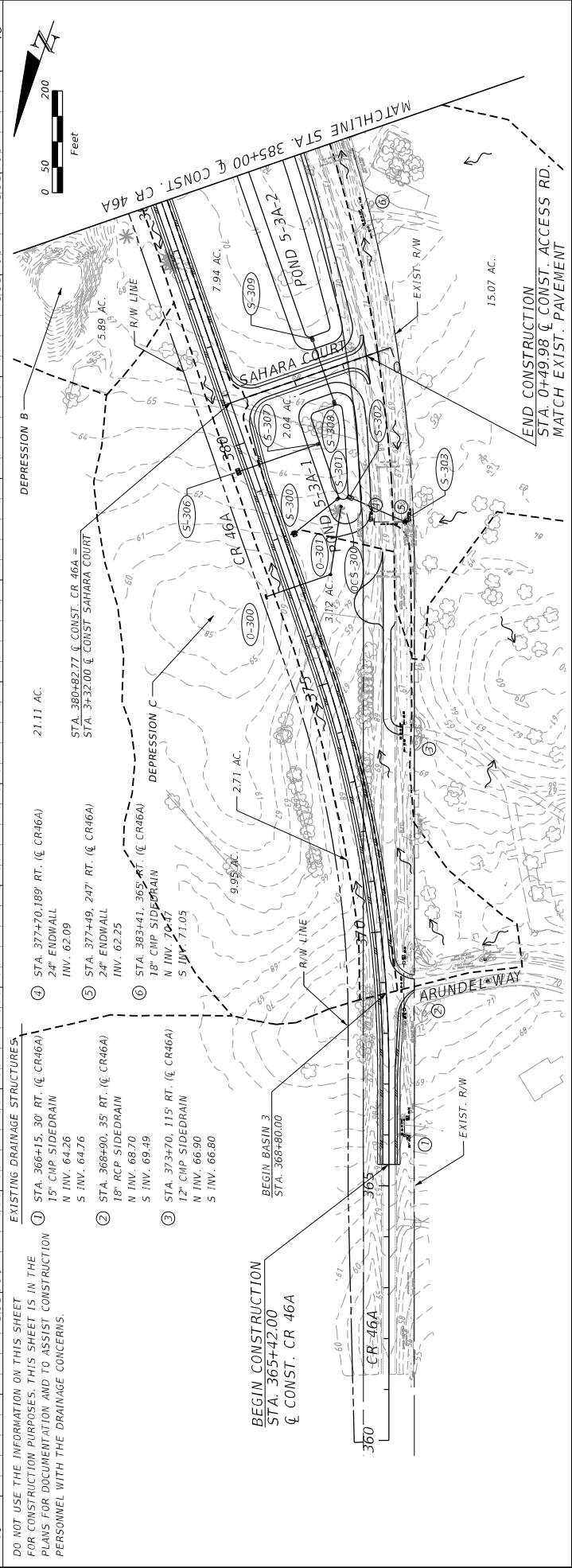
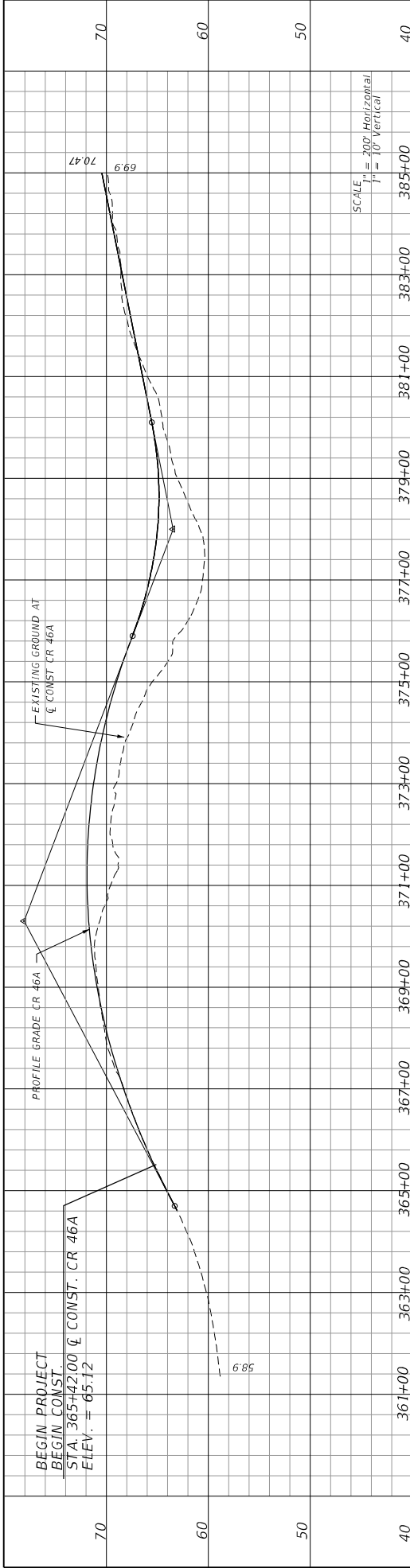
NOTES: THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGMENTS AND ASSUMPTIONS ARE 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, 88.
 DESIGN FLOOD: THE FLOOD SELECTED BY FDOT 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 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)

HYDRAULIC FLOOD DATA SHEET

UPSTREAM STRUCTURE NO.	STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD		GREATEST FLOOD					
		4% PROB. 25 YR. FREQ. (CFS)	1% PROB. 100 YR. FREQ. (CFS)	1% PROB. 100 YR. FREQ. (CFS)	1% PROB. 100 YR. FREQ. (NAVD)	DISCHARGE STAGE (FT NAVD)	DISCHARGE STAGE (FT NAVD)	DISCHARGE STAGE (FT NAVD)	DISCHARGE STAGE (FT NAVD)	PROB (%)	FREQ. (YR.)		
CD-100	474+60 LT. (SR 46)	17	64.6	20	66.5	17	64.6	4	25	41	67.1	0.2	500
CD-102	480+00 LT. (SR 46)	29	62.1	34	64.0	34	64.0	50	65.2	50	65.2	0.2	500
CD-107	468+00 LT. (CR 46A)	35	63.3	42	63.9	42	63.9	1.71	64.9	1.71	64.9	0.2	500
CD-112	33+10 RT. (CAMP CHALLENGE RD.)	1.19	63.2	1.43	63.5	1.43	63.5	46	56.2	46	56.2	0.2	500
S-200	41+00 LT. (CR 46A)	45	55.1	45	55.9	45	55.9	46	61.2	46	61.2	0.2	500
S-201	41+4+27 LT. (CR 46A)	45	57.8	45	58.2	45	58.2	19	63.3	19	63.3	0.2	500
CD-302	398+56.50 RT. (CR 46A)	13	62.3	16	62.7	16	62.7						

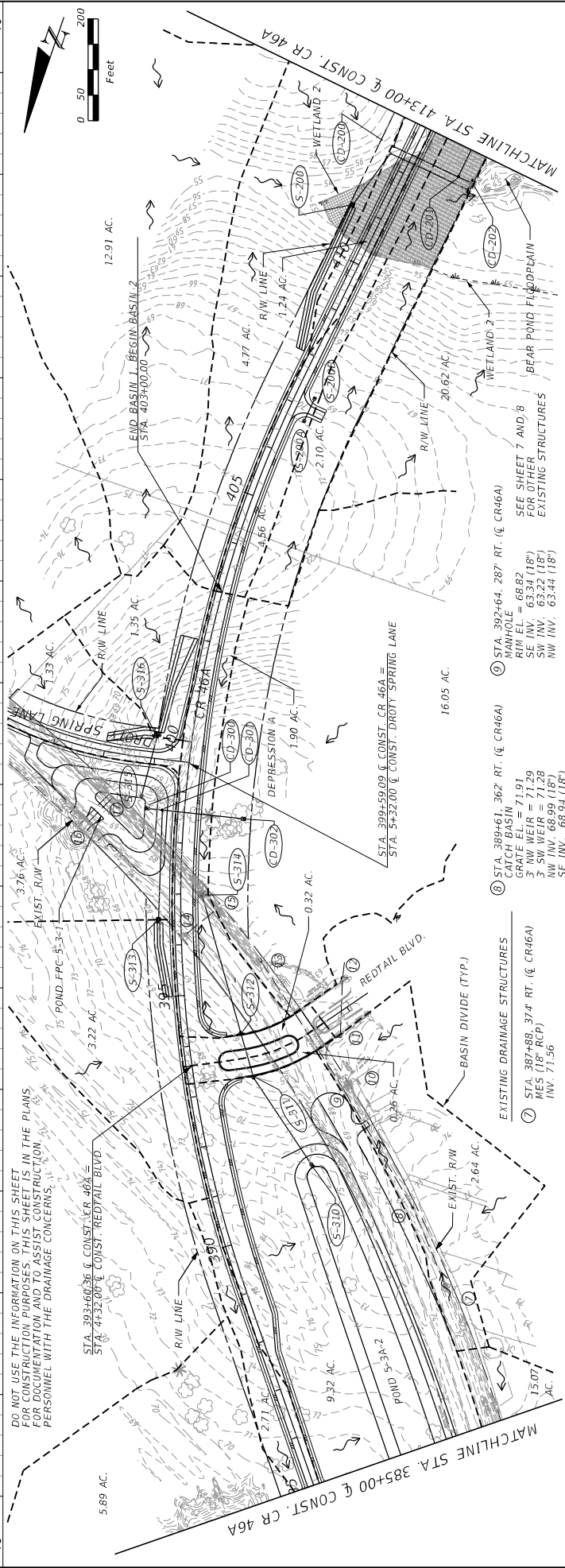
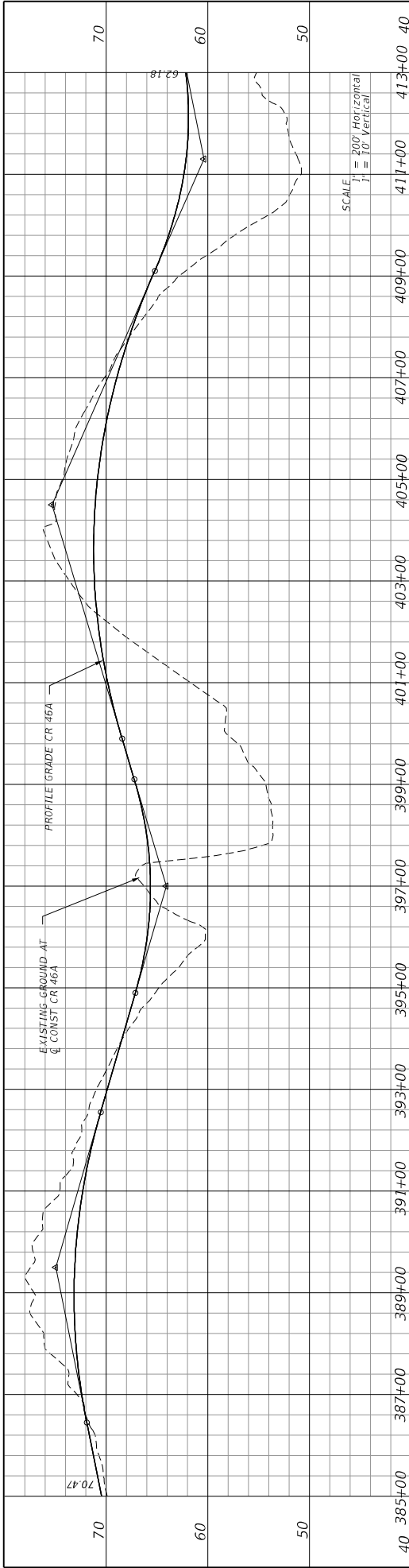
DATE		REVISIONS		STATE OF FLORIDA		SHEET NO.	
DESCRIPTION		DATE		DEPARTMENT OF TRANSPORTATION		6	
				ROAD NO.		FINANCIAL PROJECT ID	
				CR 46A		238275-8-52-01	
				COUNTY		LAKE	
				CR 46A		LAKE	
				PREPARED BY:		OVERALL	
				CDM Smith			
				2301 WATLAND CENTER PARKWAY, SUITE 300			
				WATLAND, FL 32751 - PHONE: (407) 660-2552			
				ENGINEER OF RECORD			
				PAUL O. SNEAD, P.E.			
				P.E. NUMBER: 36982			
				DATE: 11/17/2015			
				TIME: 12:25 PM			
				PROJECT: C:\666_Req\15\150275\8-52-01\Drawings\DRW001.DWG			
				DRAWN BY: WHEENER/P			

DRAINAGE MAP



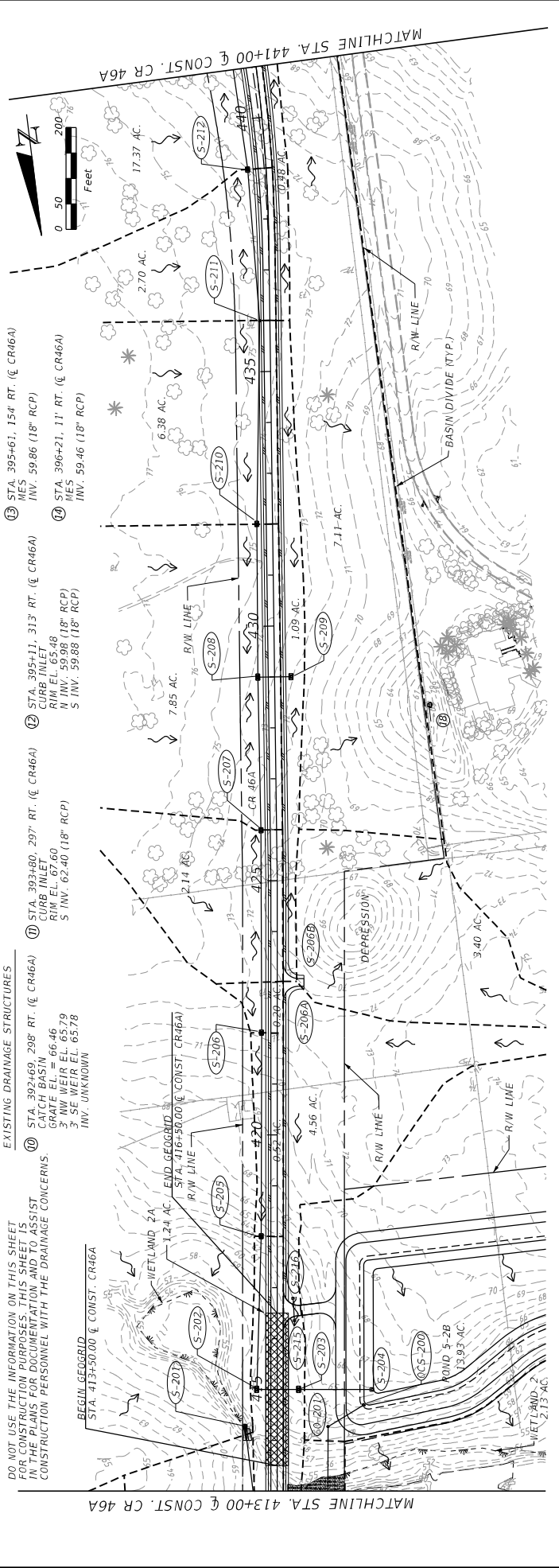
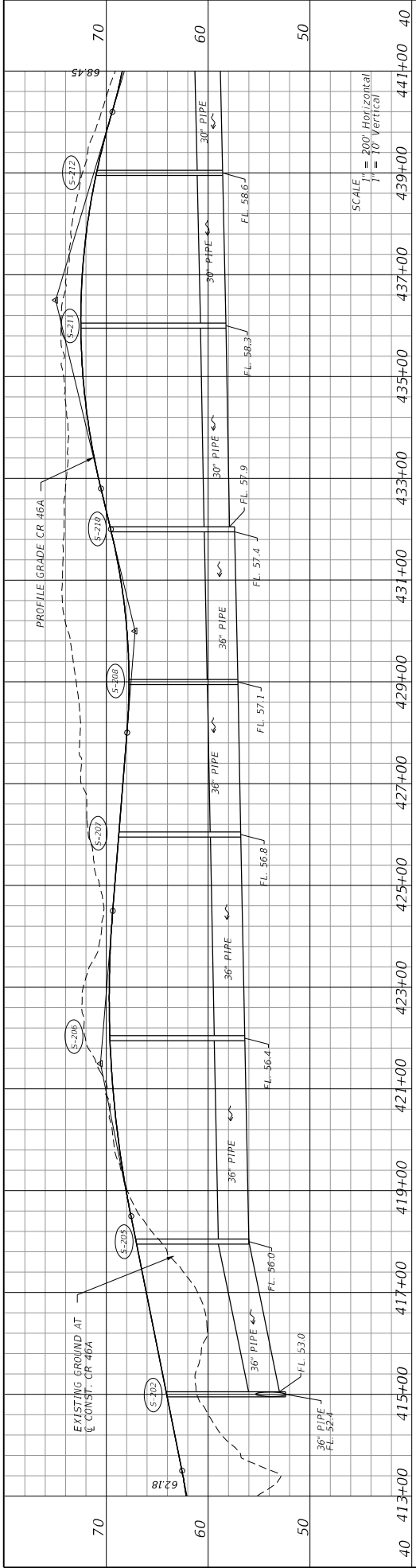
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
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 THE DRAINAGE CONCERNS.		SHEET NO. 7



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

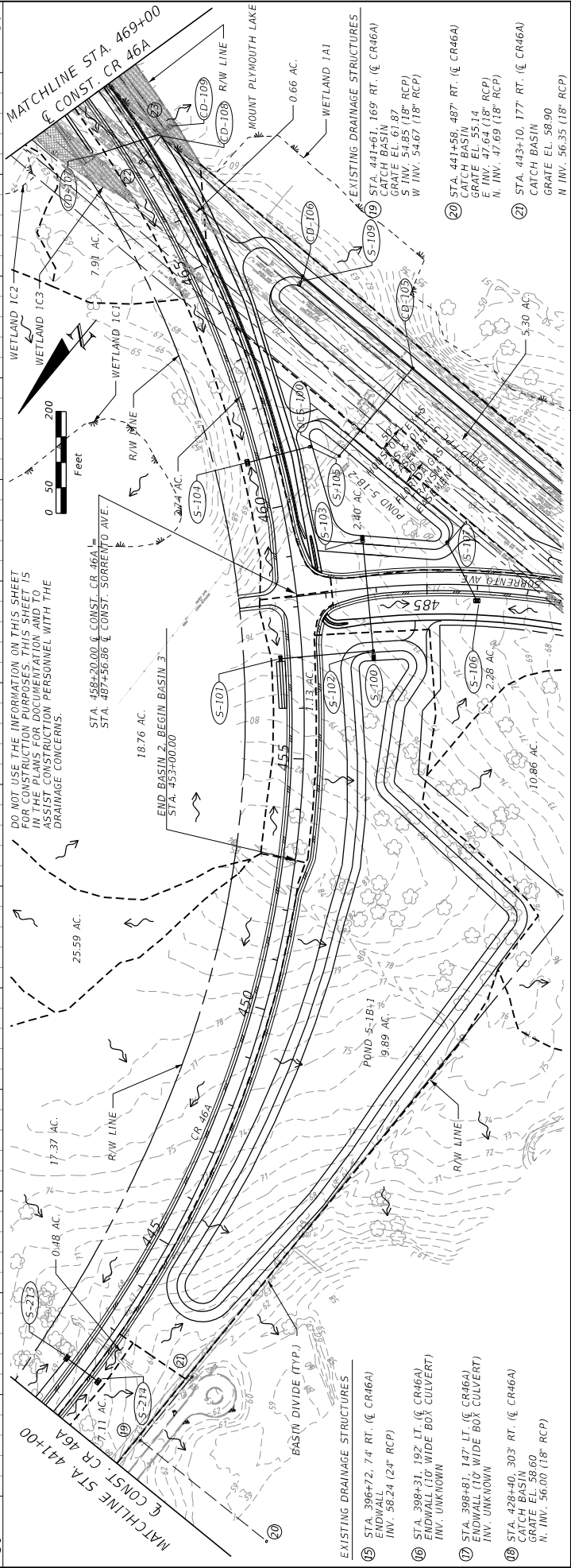
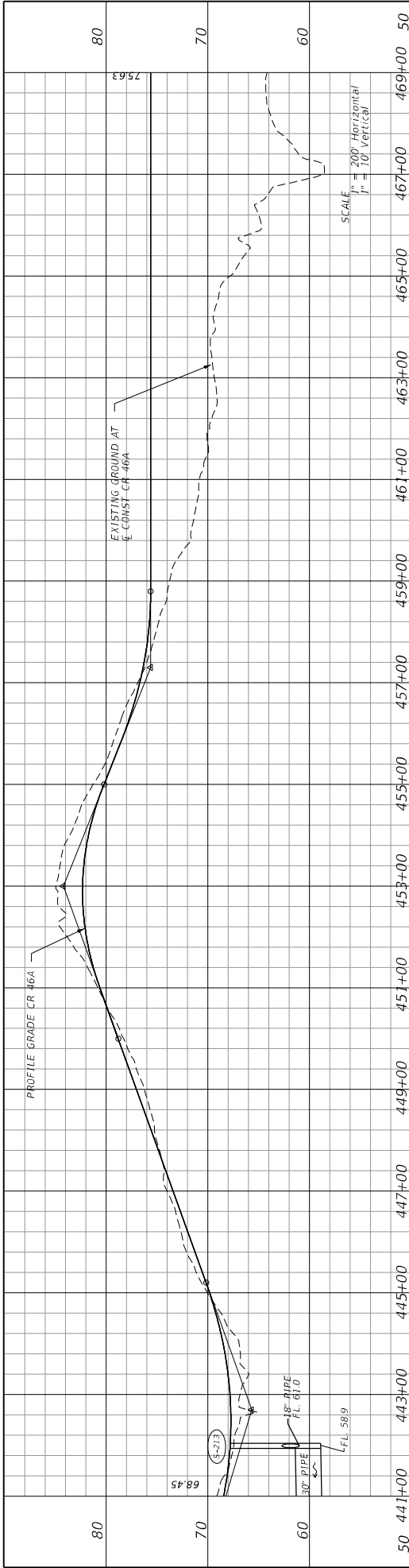
PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	
SHEET NO. 8		DATE 11/14/2015 TIME 2:56 PM PROJECT CR46A_Requirement3282758201.dwg USER: umg033	



- 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 THE DRAINAGE CONCERNS.
- EXISTING DRAINAGE STRUCTURES
- ⑩ STA. 392+69, 298' RT. (€ CR46A)
CURE INLET
GRATE EL. 66.46
3' HW WEIR EL. 65.79
3' SE WEIR EL. 65.78
INV. UNKNOWN
 - ⑪ STA. 393+80, 297' RT. (€ CR46A)
CURE INLET
GRATE EL. 66.46
3' HW WEIR EL. 65.79
3' SE WEIR EL. 65.78
INV. UNKNOWN
 - ⑫ STA. 395+11, 313' RT. (€ CR46A)
CURE INLET
GRATE EL. 66.46
3' HW WEIR EL. 65.79
3' SE WEIR EL. 65.78
INV. UNKNOWN
 - ⑬ STA. 396+21, 11' RT. (€ CR46A)
MES
INV. 59.46 (18" RCP)
 - ⑭ STA. 395+61, 154' RT. (€ CR46A)
MES
INV. 59.86 (18" RCP)

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
SHEET NO. 9		11/4/2015 2:15:44 PM G:\Projects\CR46A_Improvement\3827585201\Drawings\01mpy004.dwg WHEENERGP



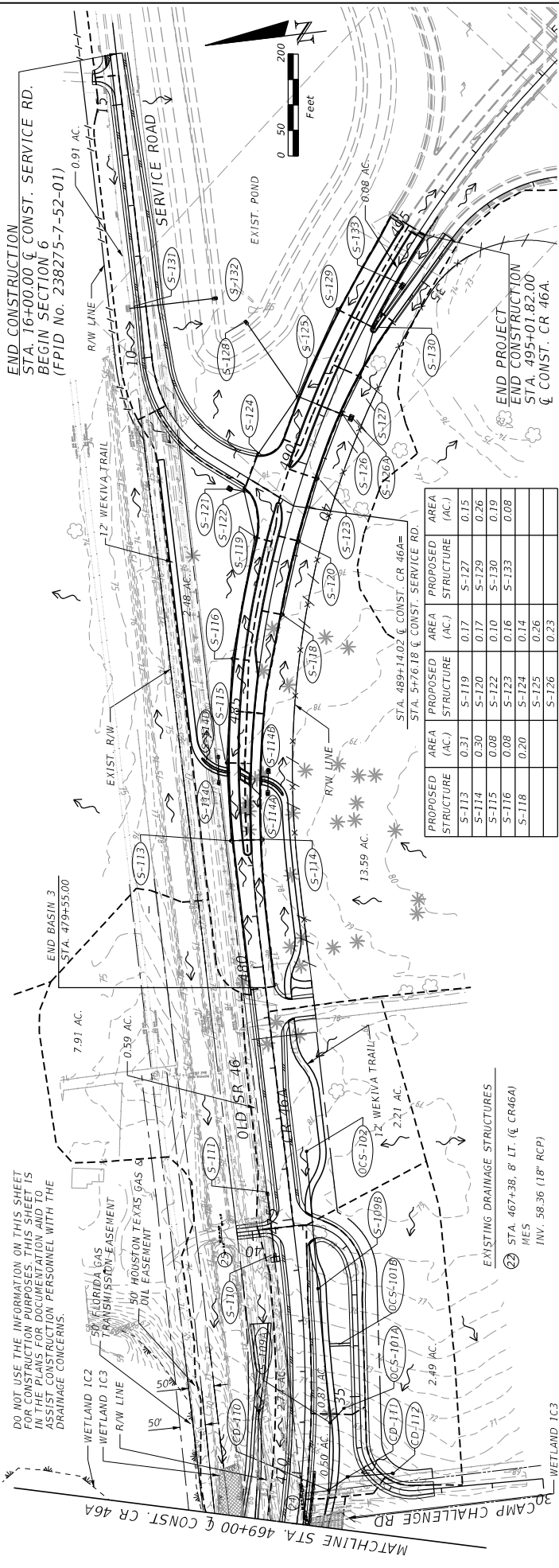
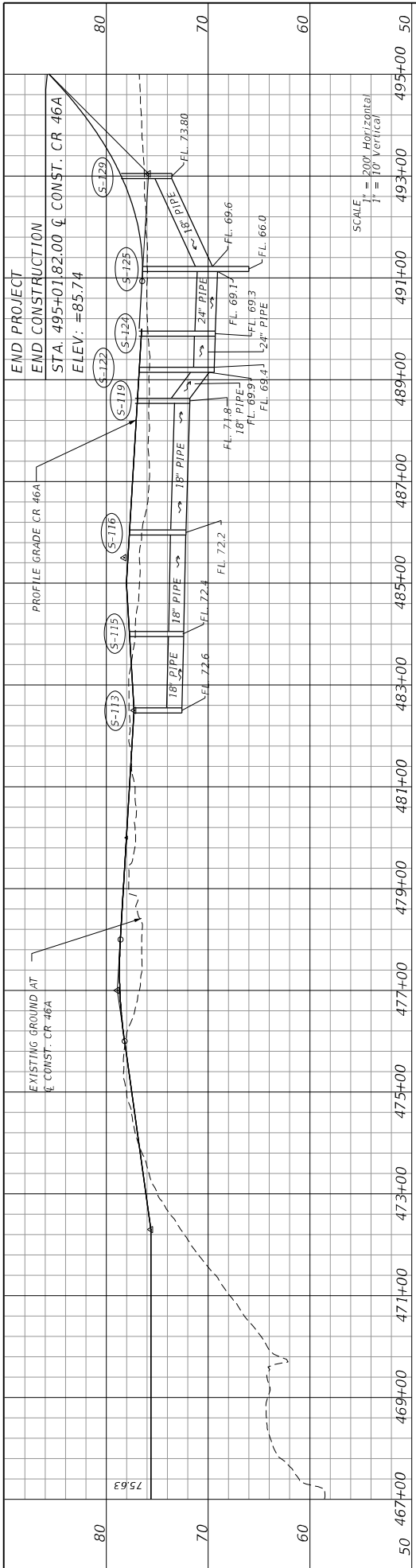
DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS INTENTIONALLY LEFT BLANK TO ASSIST CONSTRUCTION PERSONNEL WITH THE DRAINAGE CONCERNS.

- EXISTING DRAINAGE STRUCTURES
- 15 STA. 396+72, 7.4' RT. (CR46A)
ENDWALL (24" RCP)
INV. UNKNOWN
 - 16 STA. 398+81, 18" LT. (CR46A)
ENDWALL (10" WIDE BOX CULVERT)
INV. UNKNOWN
 - 17 STA. 398+81, 147' LT. (CR46A)
CATCH BASIN
GRATE EL. 58.60
N. INV. 56.00 (18" RCP)
 - 18 STA. 428+40, 303' RT. (CR46A)
CATCH BASIN
GRATE EL. 58.60
N. INV. 56.00 (18" RCP)
 - 19 STA. 441+59, 487' RT. (CR46A)
CATCH BASIN
GRATE EL. 55.14
E. INV. 47.64 (18" RCP)
N. INV. 47.69 (18" RCP)
 - 20 STA. 441+59, 487' RT. (CR46A)
CATCH BASIN
GRATE EL. 55.14
E. INV. 47.64 (18" RCP)
N. INV. 47.69 (18" RCP)
 - 21 STA. 443+10, 177' RT. (CR46A)
CATCH BASIN
GRATE EL. 58.90
N. INV. 56.35 (18" RCP)

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
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SHEET NO. 10	DRAINAGE MAP
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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 THE DRAINAGE CONCERNS.

50' FLORIDA GAS TRANSMISSION EASEMENT
50' HOUSTON TEXAS GAS & OIL EASEMENT

PROPOSED STRUCTURE (AC)	AREA (AC)	PROPOSED STRUCTURE (AC)	AREA (AC)
S-113	0.31	S-119	0.17
S-114	0.30	S-120	0.17
S-115	0.08	S-122	0.10
S-116	0.08	S-123	0.16
S-118	0.20	S-124	0.14
		S-125	0.26
		S-126	0.23

MATCHLINE STA. 469+00 & CONST. CR 46A

END PROJECT STA. 495+01.8200 & CONST. CR 46A

END CONSTRUCTION STA. 16+00.00 & CONST. SERVICE RD. BEGIN SECTION 6 (FPID No. 238275-7-52-01)

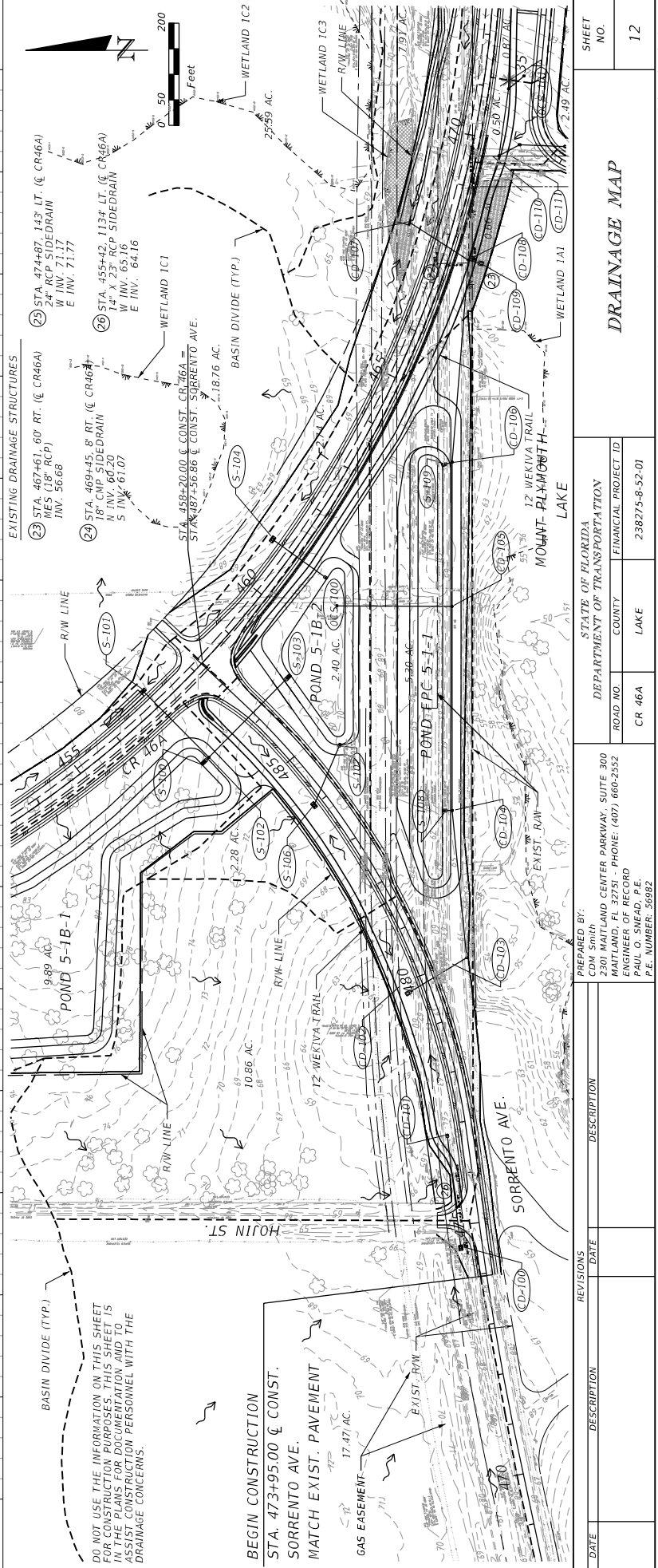
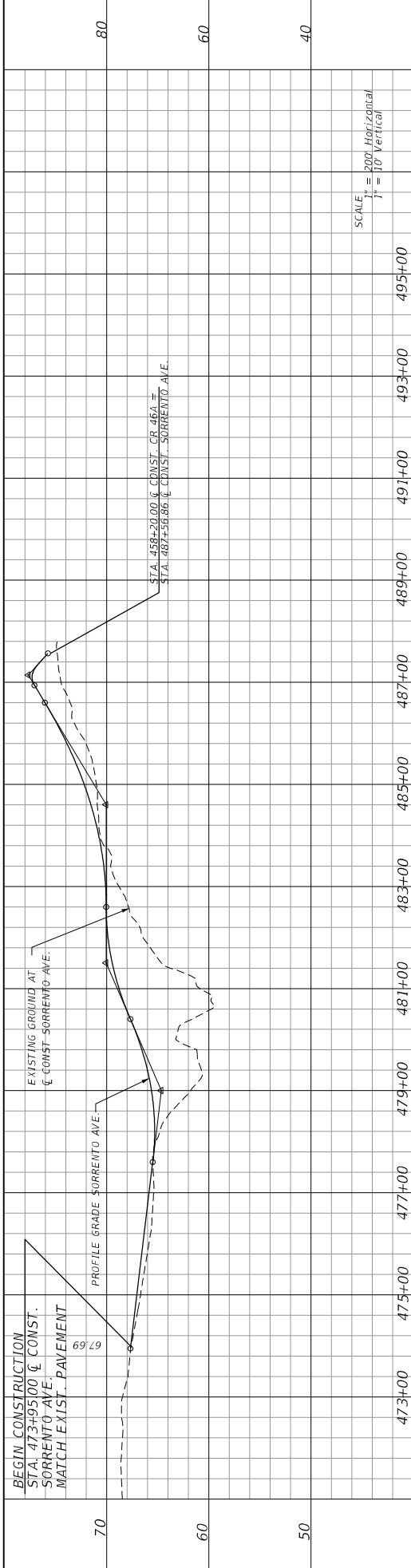
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. CR 46A
COUNTY LAKE
FINANCIAL PROJECT ID 238275-8-52-01
WIREENERGY

PREPARED BY:
CDM Smith
2301 MAITLAND CENTER PARKWAY, SUITE 300
MAITLAND, FL 32751 - PHONE: (407) 660-2552
PAUL O. SNEAD, P.E.
P.E. NUMBER: 36982

DATE DESCRIPTION REVISIONS DATE DESCRIPTION

SHEET NO. 11

11/14/2015 12:00:05 PM G:\Projects\CR46A_Environment\238275\23.003_F.A.C. G:\Projects\CR46A_Environment\238275\23.003_F.A.C.



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 THE DRAINAGE CONCERNS.

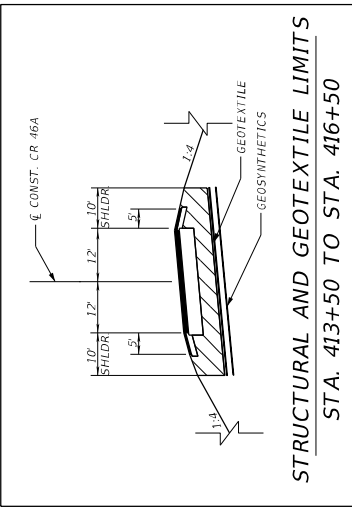
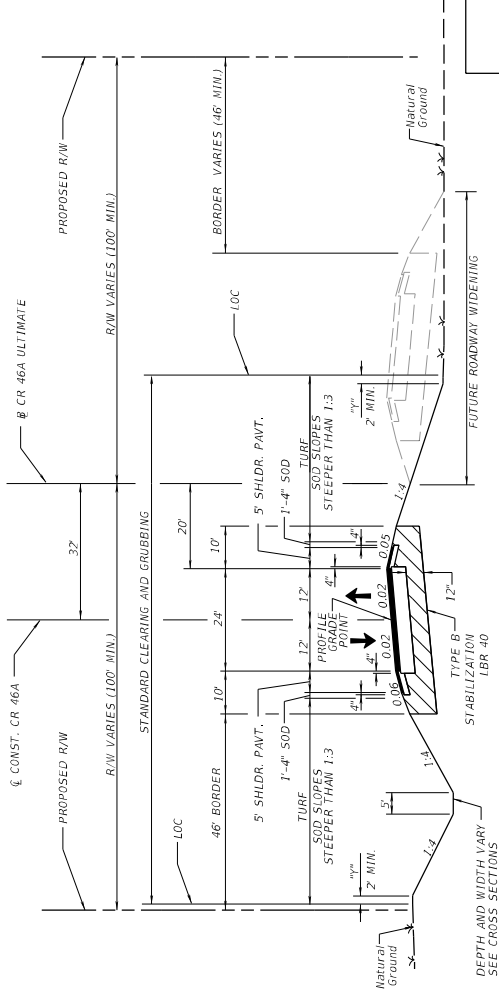
BEGIN CONSTRUCTION STA. 473+95.00 @ CONST. SORRENTO AVE. MATCH EXIST. PAVEMENT

GAS EASEMENT 17.47 AC

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982		FINANCIAL PROJECT ID ROAD NO. CR 46A COUNTY LAKE PROJECT NO. 238275-8-52-01	

DRAINAGE MAP	
SHEET NO.	12



STRUCTURAL AND GEOTEXTILE LIMITS
STA. 413+50 TO STA. 416+50

TYPICAL SECTION No. 1
CR 46A
STA. 365+42 TO STA. 435+00

NEW CONSTRUCTION
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

SHOULDER PAVEMENT
OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

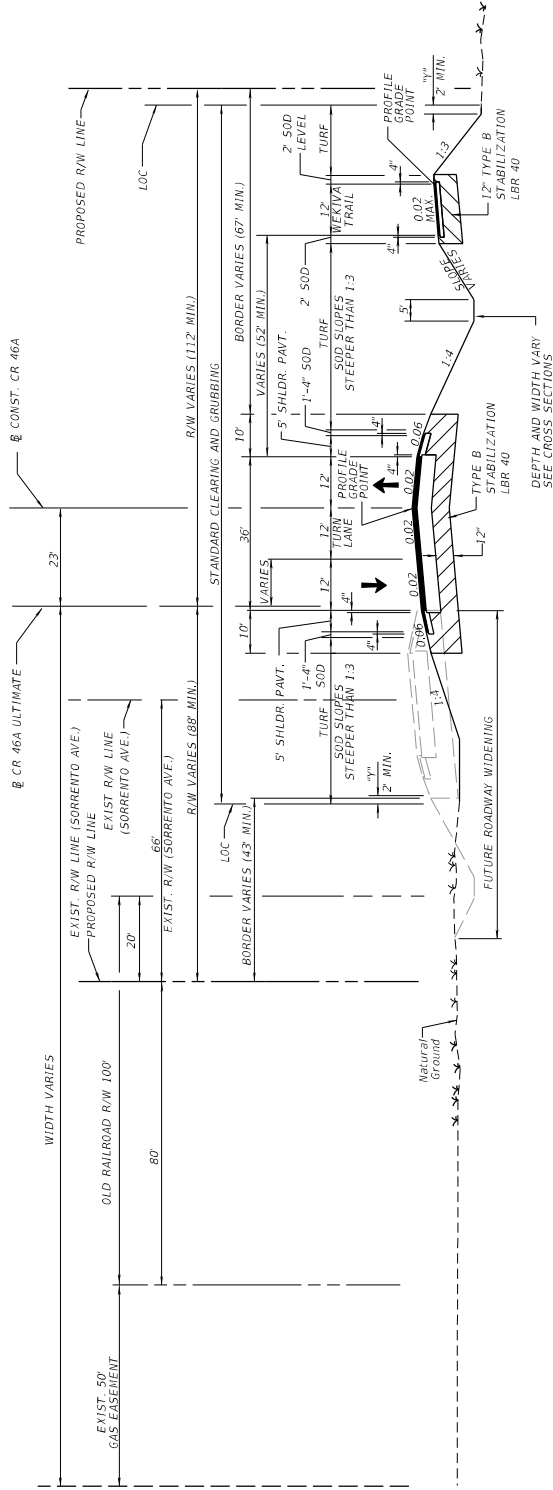
TRAFFIC DATA
ESTIMATED OPENING YEAR = 2014 AADT = 12,830
ESTIMATED DESIGN YEAR = 2034 AADT = 19,880
K = 9.5% D = 58.1% T = 8.40% (24 HOUR)
DESIGN SPEED = 60 MPH
POSTED SPEED = 55 MPH

NOTES:

1. THE AREA DISTURBED BY CONSTRUCTION VARIES
2. SEE PLAN-PROFILE SHEETS FOR SUPERELEVATION RATES AND LIMITS
3. 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/ITS/CONSTRUCTION/PAVEMENTCORINGDATA/](http://FTP.DOT.STATE.FL.US/ITS/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.
4. GEOTEXTILE—TYPE D-4, NON-WOVEN PER SPECIFICATION 985
5. STRUCTURAL GEOSYNTHETICS—TYPE R-4, PER SPECIFICATION 985, WITH MINIMUM MACHINE AND CROSS DIRECTION ALLOWABLE TENSILE STRENGTH OF 1,150 LB/FT.
6. STRUCTURAL GEOSYNTHETICS MAY BE PLACED IN ONE LAYER IF THE STRUCTURAL GEOSYNTHETICS HAS BOTH THE REQUIRED ALLOWABLE MACHINE AND CROSS DIRECTIONAL STRENGTHS AS SPECIFIED IN NOTE 5. IF STRUCTURAL GEOSYNTHETICS ONLY HAS THE REQUIRED ALLOWABLE STRENGTH IN THE MACHINE DIRECTION, PLACE STRUCTURAL GEOSYNTHETICS IN TWO LAYERS, ONE LAYER PARALLEL AND ONE LAYER PERPENDICULAR TO THE ROADWAY, SEPARATED BY 6 INCHES OF EMBANKMENT SOIL.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 • PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE PROJECT ID 238275-8-52-01	TYPICAL SECTION (1)	SHEET NO. 13
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TYPICAL SECTION No. 2
CR 46A
STA. 435+00 TO STA. 479+00

TRAFFIC DATA

NORTH OF SR 46
 ESTIMATED OPENING YEAR = 2014 AADT = 12,830
 ESTIMATED DESIGN YEAR = 2034 AADT = 19,880
 K = 9.5% D = 58.1% T = 8.40% (24 HOUR)
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH

EAST/SOUTH OF SR 46

ESTIMATED OPENING YEAR = 2014 AADT = 14,510
 ESTIMATED DESIGN YEAR = 2034 AADT = 22,500
 K = 9.5% D = 58.1% T = 8.40% (24 HOUR)
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
 FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

WEKIVA TRAIL
 OPTIONAL BASE GROUP 1 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1.5")

NOTES:
 1. "M" THE AREA DISTURBED BY CONSTRUCTION VARIES
 2. SEE PLAN-PROFILE SHEETS FOR SUPERELEVATION RATES AND LIMITS.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 14
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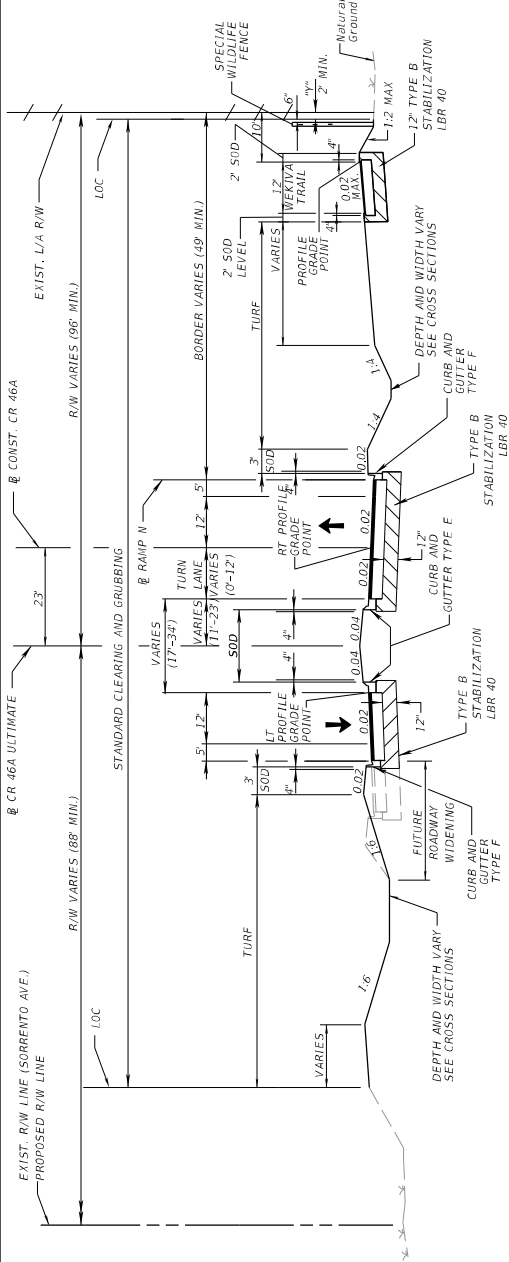
TYPICAL SECTION No. 3A
CR 46A
STA. 479+00 TO STA. 484+50

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

WEKIVA TRAIL

OPTIONAL BASE GROUP 1 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1.5")



TYPICAL SECTION No. 3B
CR 46A
STA. 484+50 TO STA. 489+50

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

WEKIVA TRAIL

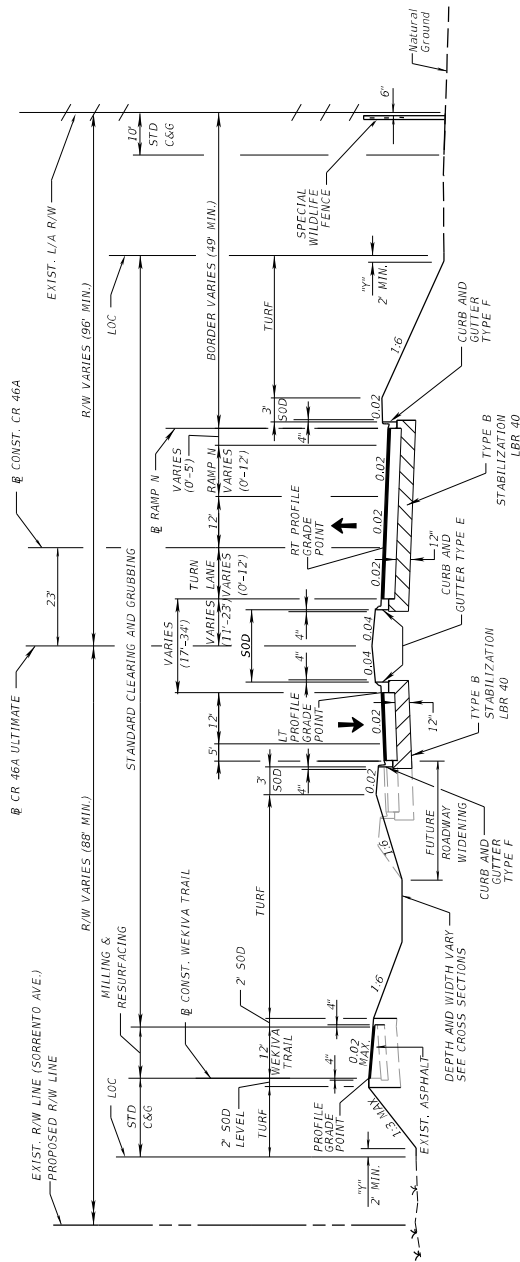
CROSS SLOPE CORRECTION

VARIABLE DEPTH MILLING

MILL EXISTING ASPHALT FOR SLOPE (4" AVG. DEPTH)

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1.5")



TRAFFIC DATA

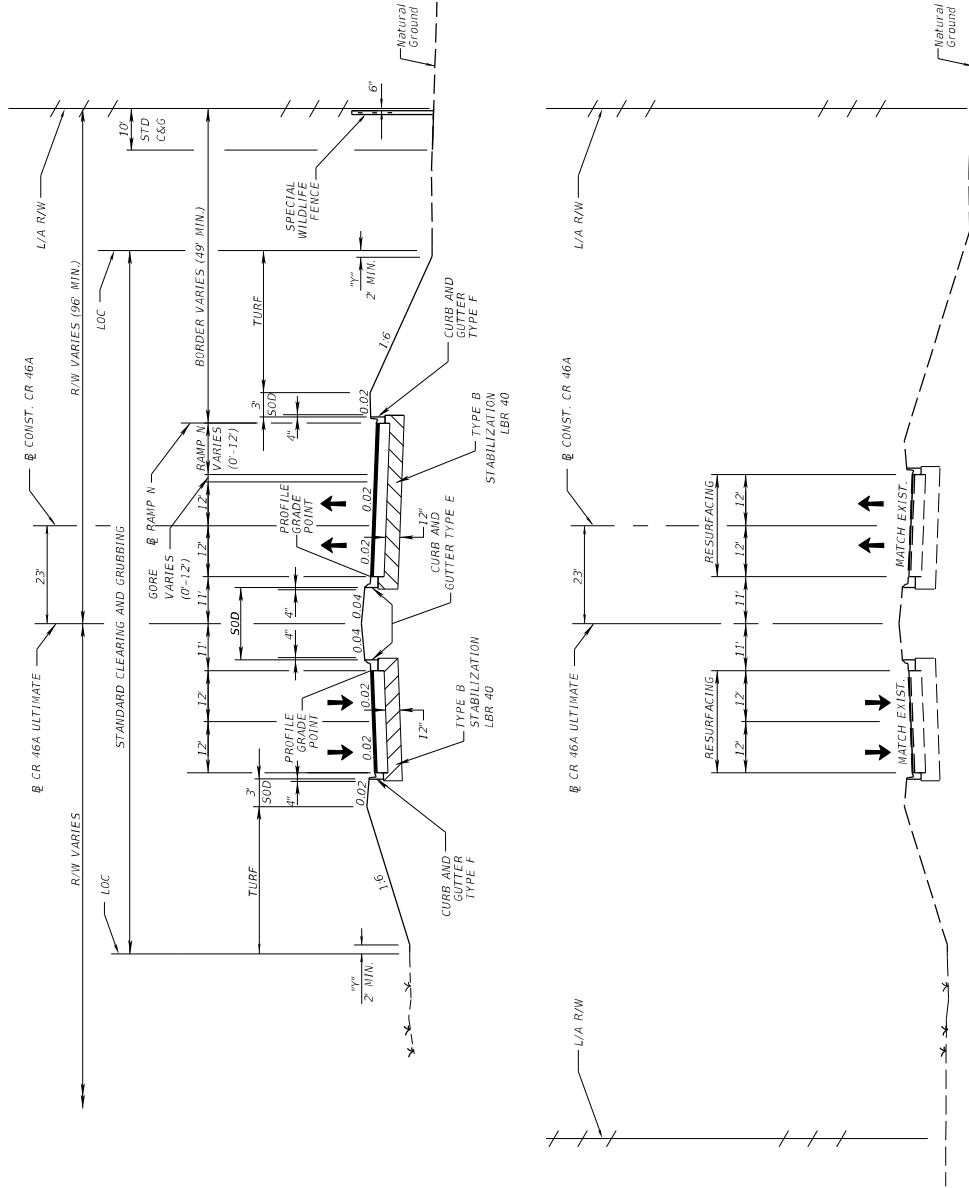
ESTIMATED OPENING YEAR = 2014 AADT = 14,510
 ESTIMATED DESIGN YEAR = 2034 AADT = 22,500
 K = 9.5% D = 58.1% T = 8.40% (24 HOUR)
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH

NOTES:

1. "T" THE AREA DISTURBED BY CONSTRUCTION VARIES
2. SEE PLAN-PROFILE SHEETS FOR SUPERELEVATION RATES AND LIMITS.
3. DURING MILLING OPERATIONS FOR WEKIVA TRAIL, BASE EXPOSURE COULD OCCUR. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE BASE IN ACCORDANCE WITH THE SPECIFICATION.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982				
STATE OF FLORIDA				
DEPARTMENT OF TRANSPORTATION				
ROAD NO.		FINANCIAL PROJECT ID		
CR 46A		238275-8-52-01		
COUNTY		LAKE		
SHEET NO. 15				

TYPICAL SECTION (5)



TYPICAL SECTION No. 4

CR 46A

STA. 489+50 TO STA. 495+01.82

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

TYPICAL SECTION No. 5

CR 46A

STA. 495+01.82 TO STA. 502+50.96
(EXCLUDES APPROACH SLABS & BRIDGE)

RESURFACING

FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22, ARB)

TRAFFIC DATA

ESTIMATED OPENING YEAR = 2014 AADT = 14,510
ESTIMATED DESIGN YEAR = 2034 AADT = 22,500
K = 9.5% D = 58.1% T = 8.40% (24 HOUR)
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

NOTES:
1. "N" THE AREA DISTURBED BY CONSTRUCTION VARIES.
2. SEE PLAN-PROFILE SHEETS FOR SUPERELEVATION RATES AND LIMITS.
3. SEE RAMP N TYPICAL SECTION FOR ADDITIONAL INFORMATION.

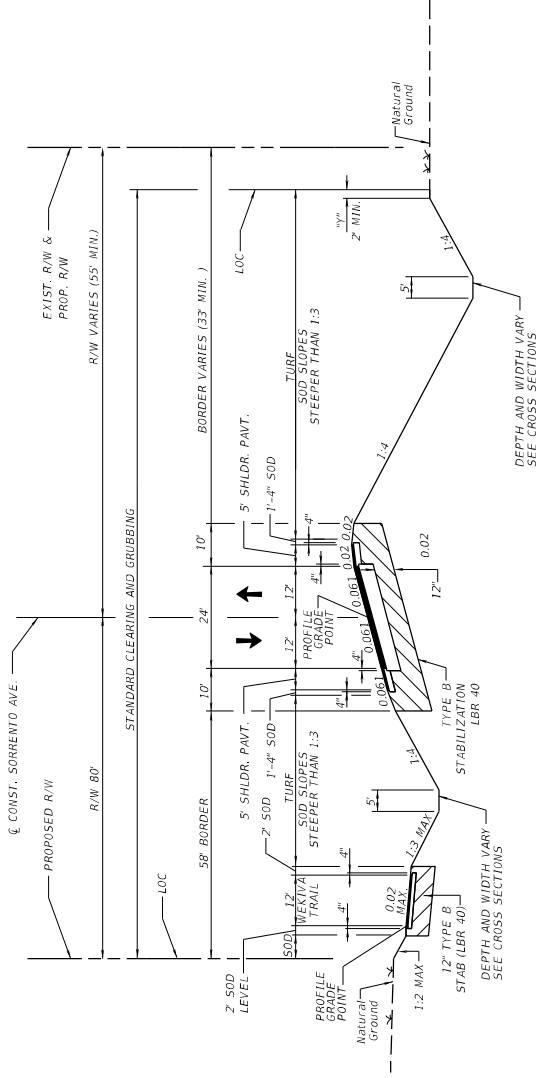
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 16
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11/17/2015

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TYPICAL SECTION No. 6
SORRENTO AVE.

STA. 473+95 TO STA. 487+56.86

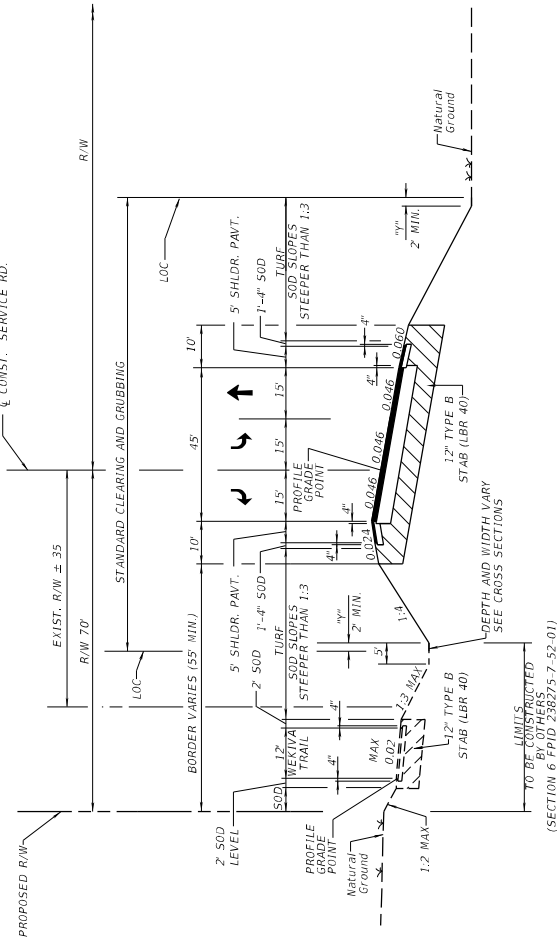
- NEW CONSTRUCTION
- OPTIONAL BASE GROUP 9 WITH TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)
- SHOULDER PAVEMENT
- OPTIONAL BASE GROUP 1 WITH FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

TRAFFIC DATA
 ESTIMATED OPENING YEAR = 2014 AADT = 11,000
 ESTIMATED DESIGN YEAR = 2034 AADT = 17,050
 K = 9.5% D = 58.1% T = 8.40% (24 HOUR)
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH

NOTES:
 1. "W" THE AREA DISTURBED BY CONSTRUCTION VARIES

DATE	REVISIONS	DESCRIPTION

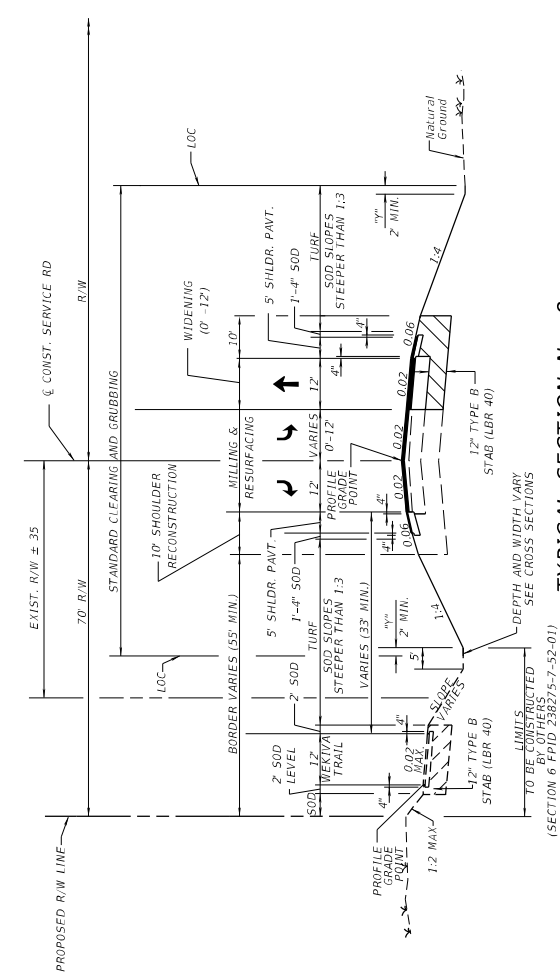
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 17
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TYPICAL SECTION No. 7
SERVICE RD
STA. 5+76.18 TO STA. 10+00

- NEW CONSTRUCTION
- OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)
- SHOULDER PAVEMENT
- OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

WEKIVA TRAIL
 OPTIONAL BASE GROUP 1 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1.5")



TYPICAL SECTION No. 8
SERVICE RD
CROSS SLOPE CORRECTION
STA. 10+00 TO STA. 16+00

- VARIABLE DEPTH MILLING
- MILL EXISTING ASPHALT FOR SLOPE (2" AVG. DEPTH)
RESURFACING
- TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1")
FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)
- WIDENING
- OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)
- SHOULDER PAVEMENT
- OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22, ARB)

NOTES:
 1. 4" THE AREA DISTURBED BY CONSTRUCTION VARIES
 2. DURING MILLING OPERATIONS, SHOULD LINEROCK BASE EXPOSURE OCCUR, THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE LINEROCK BASE. IF LINEROCK BASE EXPOSURE OCCURS, THE BASE SHALL BE PRIMED AND SHALL BE RESURFACED PRIOR TO BEING SUBJECTED TO TRAFFIC.

DESIGN SPEED = 50 MPH (15 MPH APPROACHING INTERSECTION)

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 18
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TYPICAL SECTION (6)

**TYPICAL SECTION No. 9
RAMP N**

* STA. 33+98.46 TO STA. 41+97.13

*** NEW CONSTRUCTION**

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")
AND FRICTION COURSE FC-5 (0.75") (PG 76-22, ARB)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5")
AND FRICTION COURSE FC-5 (0.75") (PG 76-22, ARB)

* STA. 35+82.37 TO STA 41+97.13 -
USE CR 46A MAINLINE PAVEMENT
SHOWN ON TYPICAL SECTION (3)

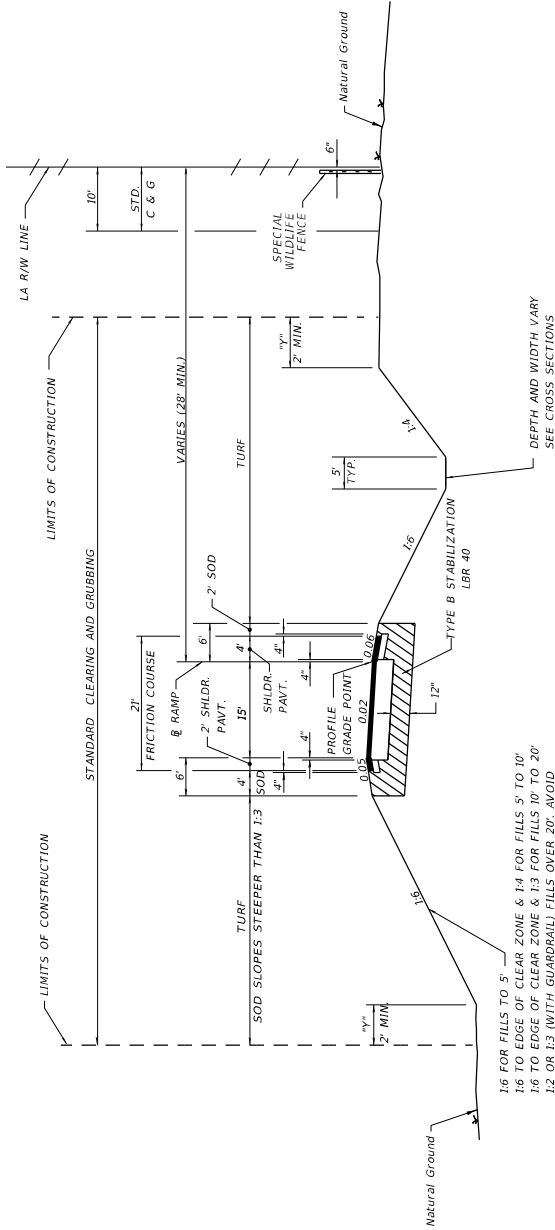
**TYPICAL SECTION No. 10
RAMPS N, O, P, Q**

RAMP N: STA. 18+39.97 TO STA. 33+98.46
RAMP O: STA. 30+85.88 TO STA. 43+21.74
RAMP P: STA. 28+51.66 TO STA. 31+00.00
RAMP Q: STA. 38+25.44 TO STA. 42+84.00

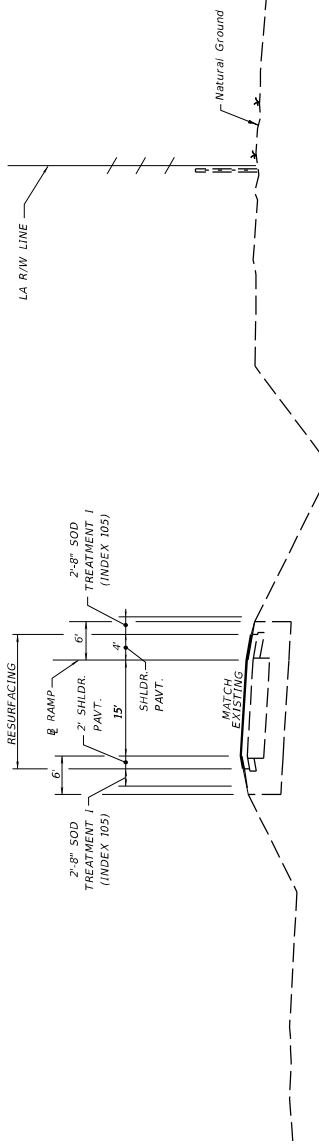
RESURFACING

FRICTION COURSE FC-5 (0.75") (PG 76-22, ARB)

NOTES:
1. "T" THE AREA DISTURBED BY CONSTRUCTION VARIES
2. SEE PLAN AND PROFILE SHEETS FOR CURB AND GUTTER LIMITS ON RAMP N



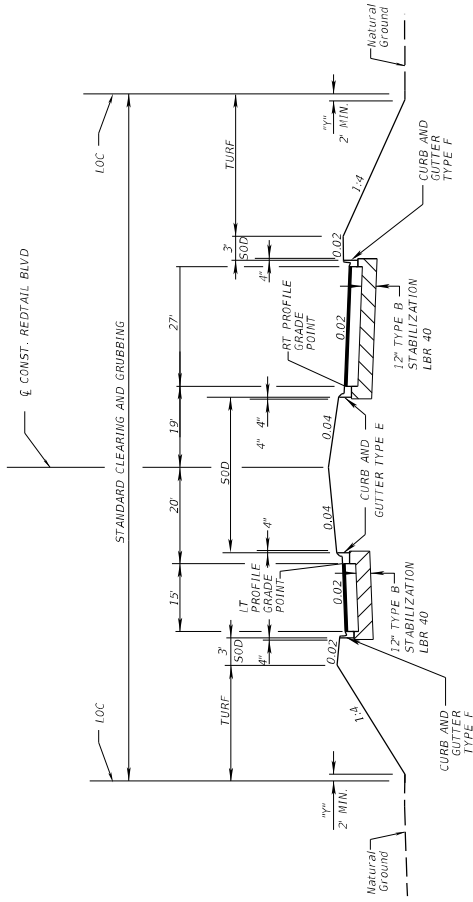
1:5 FOR FILLS TO 5'
1:6 TO EDGE OF CLEAR ZONE & 1:4 FOR FILLS 5' TO 10'
1:6 TO EDGE OF CLEAR ZONE & 1:3 FOR FILLS 10' TO 20'
1:2 OR 1:3 (WITH GUARDRAIL) FILLS OVER 20'. AVOID
1:2 SLOPES EXCEPT WHERE IS NECESSARY.



TRAFFIC DATA

ESTIMATED OPENING YEAR = 2014 AADT = 4,600
ESTIMATED DESIGN YEAR = 2034 AADT = 10,100
K = 9.79% D = 64.33% T = 10.62% (24 HOUR)
DESIGN SPEED = 30 MPH

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
<p>PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30382</p>				
STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		
ROAD NO. CR 46A		COUNTY	LAKE	
PROJECT ID		238275-8-52-01		
SHEET NO.		19		
TYPICAL SECTION (7)				



TYPICAL SECTION No. 12
REDTAIL BLVD

NEW CONSTRUCTION

OPTIONAL BASE GROUP 1 WITH

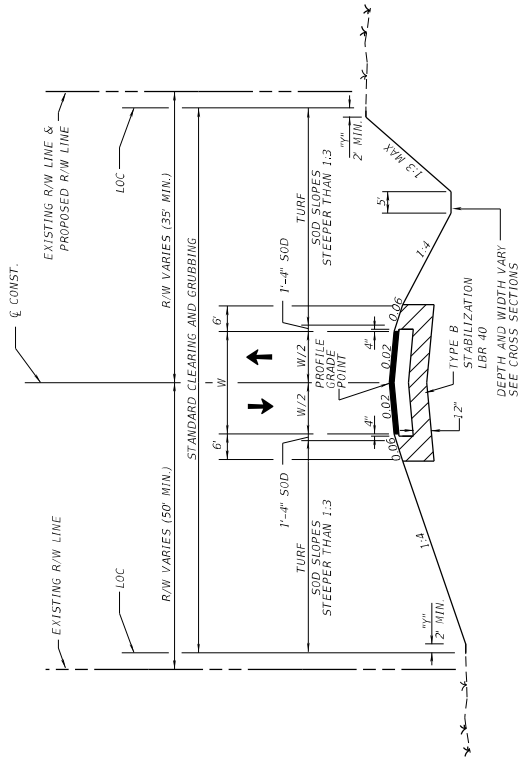
FRICTION COURSE FC-12.5 (TRAFFIC C (1.5")) (PG 76-22, ARB)

DESIGN SPEED

- SAHARA COURT = 30 MPH
- REDTAIL BLVD = 30 MPH
- CAMP CHALLENGE RD = 20 MPH
- DROTY SPRING LANE = 30 - 45 MPH

NOTES:

- 1. "M" THE AREA DISTURBED BY CONSTRUCTION VARIES



TYPICAL SECTION No. 11
DROTY SPRING LANE
SAHARA COURT
CAMP CHALLENGE RD
DRIVEWAYS/TURNOUTS

LOCAL STREET AND ACCESS WIDTH TABLE

STREET NAME	WIDTH (W)
DROTY SPRING LANE	24'
SAHARA COURT	24'
(1) CAMP CHALLENGE RD	20'
ARONDEL WAY TURNOUT STA 388+92.77 RT & CONST. CR46A	15'
DRIVEWAY STA 458+20 LT & CONST. CR46A	30'
(2) DRIVEWAY STA 474+87 LT & CONST. CR46A	15'
DRIVEWAY STA 479+12 RT & CONST. CR46A	30'
(2)(3) DRIVEWAY STA 15+58.60 & CONST. SERVICE RD	15'

- (1) THE TRAVEL LANE CROSS SLOPE IN ONE DIRECTION TOWARD CR 46A. SEE PLANS AND CROSS SECTIONS FOR DETAIL.
- (2) THE CROSS SLOPE SHALL SLOPE IN ONE DIRECTION AND TO BE MATCHED WITH THE DIRECTION OF THE EXISTING DRIVEWAY/TURNOUT.
- (3) TO BE RECONSTRUCTED WITH NEW BASE AND ASPHALT.
- 12" STABILIZATION IS NOT REQUIRED.

NEW CONSTRUCTION

(DROTY SPRING LANE, SAHARA COURT,
 CAMP CHALLENGE RD, TURNOUTS)

OPTIONAL BASE GROUP 4 WITH

FRICTION COURSE FC-12.5 (TRAFFIC C (1.5")) (PG 76-22, ARB)

NEW CONSTRUCTION
 (DRIVEWAYS)

OPTIONAL BASE GROUP 1 WITH

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

DATE	DESCRIPTION	REVISIONS	DESCRIPTION

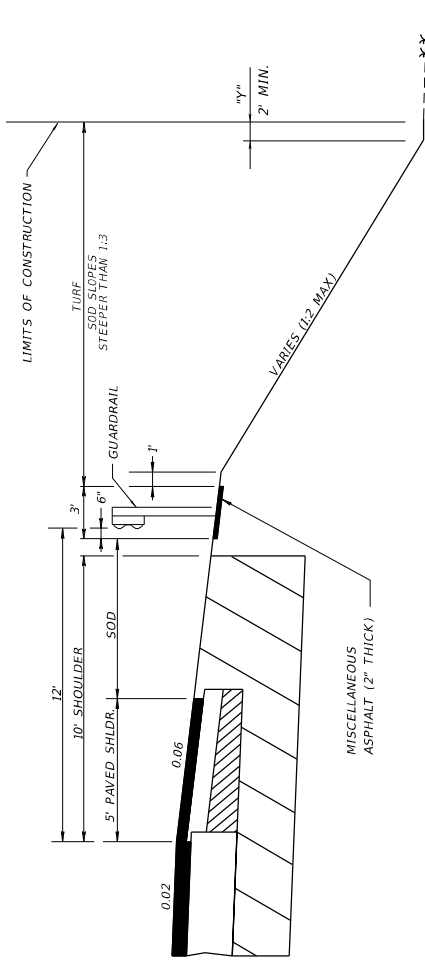
PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
COUNTY	FINANCIAL PROJECT ID
LAKE	CR 46A
LAKE	238275-8-52-01

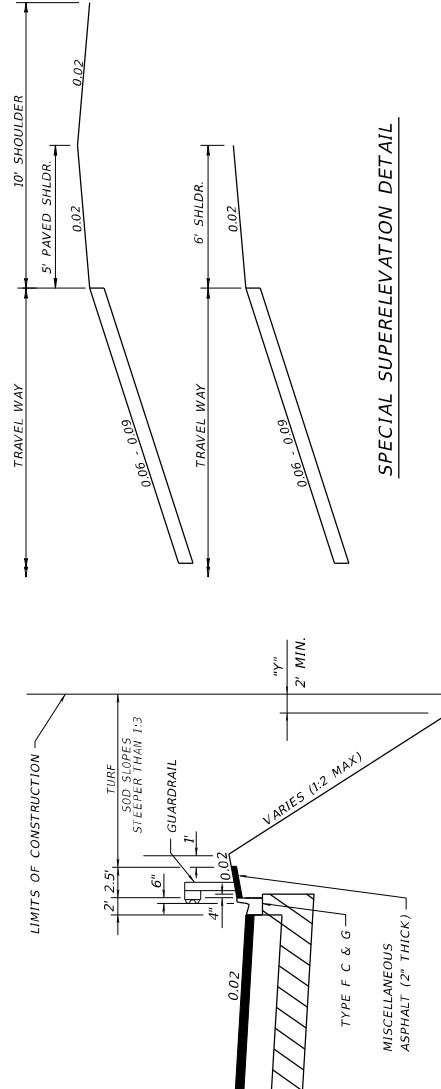
TYPICAL SECTION (8)

SHEET NO.

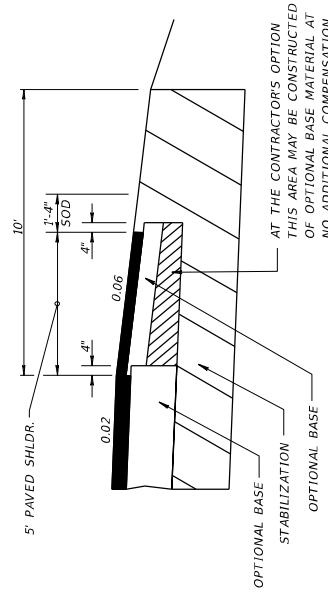
20



GUARDRAIL ON 10' FLUSHED SHOULDER DETAIL



SPECIAL SUPERELEVATION DETAIL

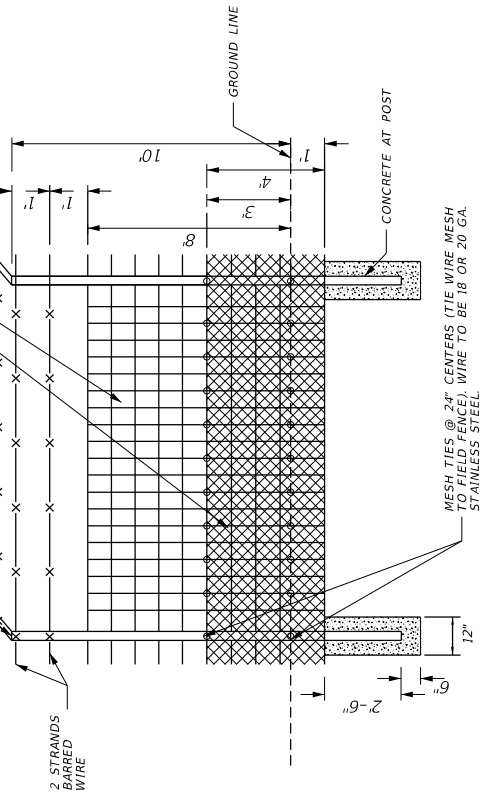


SHOULDER PAVEMENT DETAIL

1/4" X 1/4" OPENING, 48" WIDE, AT LEAST 23 GA. HOT DIPPED GALVANIZED MESH, AT LEAST 2" ABOVE AND THE REMAINDER BELOW 36" ABOVE AND THE REMAINDER BELOW GROUND. BURY CUT EDGE OF MESH.

8 FOOT 2" X 4" GAME/HORSE FENCE, 12.5 GA. CLASS 3 GALV. OR ZINC/ALUMINUM GALV. FINISH. NO WIRE MESH. DOUBLE STACKED BOTTOM MESH MUST BE AT LEAST 60" WIDE AND TOP MESH MUST OVERLAP 1 FOOT.

3-STRAND BARBED WIRE ARM



MESH TIES @ 24" CENTERS (TIE WIRE MESH TO FIELD FENCE). WIRE TO BE 18 OR 20 GA. STAINLESS STEEL.

NOTES:
- WIRE SIDE OF FENCE FACING ADJACENT PROPERTY.
- AND 1/4" X 1/4" MESH OVERLAPPING 2" X 4" MESH.
- SPECIAL WILD FENCE TO BE PAID UNDER PAY ITEM 0550-10-259 FENCING, TYPE B, 8.1-10.0', SPECIAL.

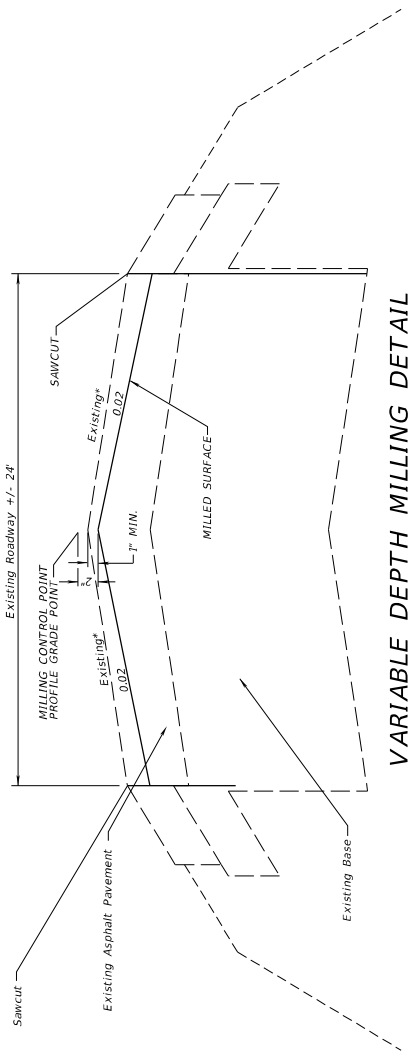
SPECIAL WILDLIFE FENCE

GUARDRAIL ADJACENT TO CURB & GUTTER DETAIL

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

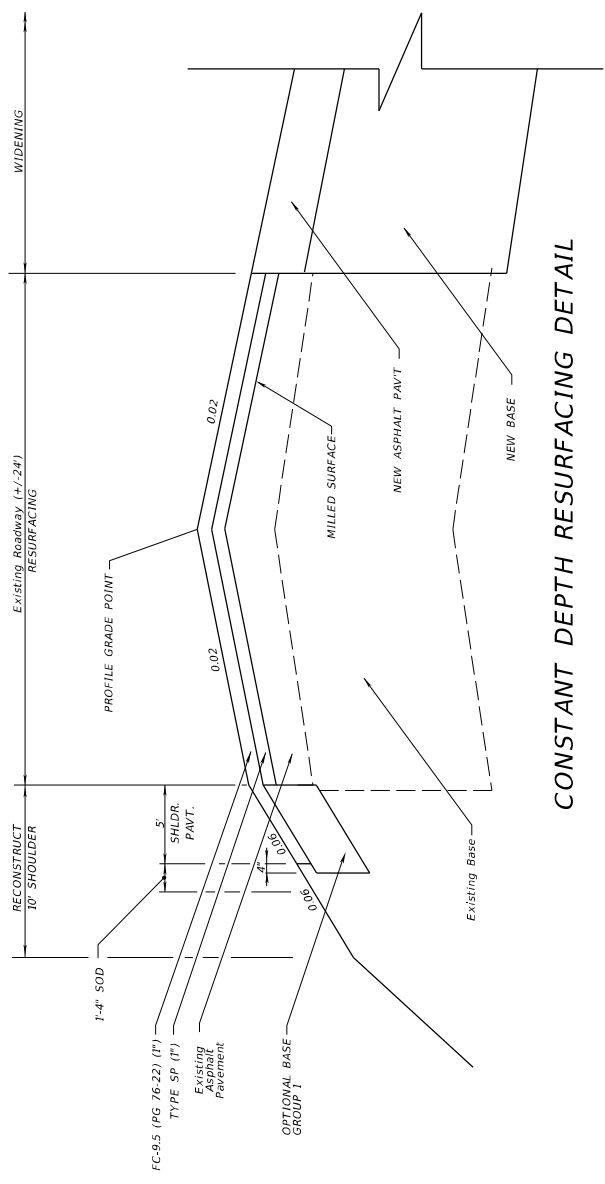
PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36862	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 21
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11/17/2015 12:03:37 PM C:\Projects\CR46A_Realignm\3282758201\roadway\TYPICAL.DWG	TYPICAL SECTION DETAILS
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*** EXISTING PAVEMENT CROSS SLOPES**

STATION	LEFT SIDE (WB)	RIGHT SIDE (EB)
10+00	0.020	0.033
11+00	0.023	0.024
12+00	0.027	0.017
13+00	0.014	0.018
14+00	0.014	0.018
15+00	0.015	0.022
16+00	0.019	0.019



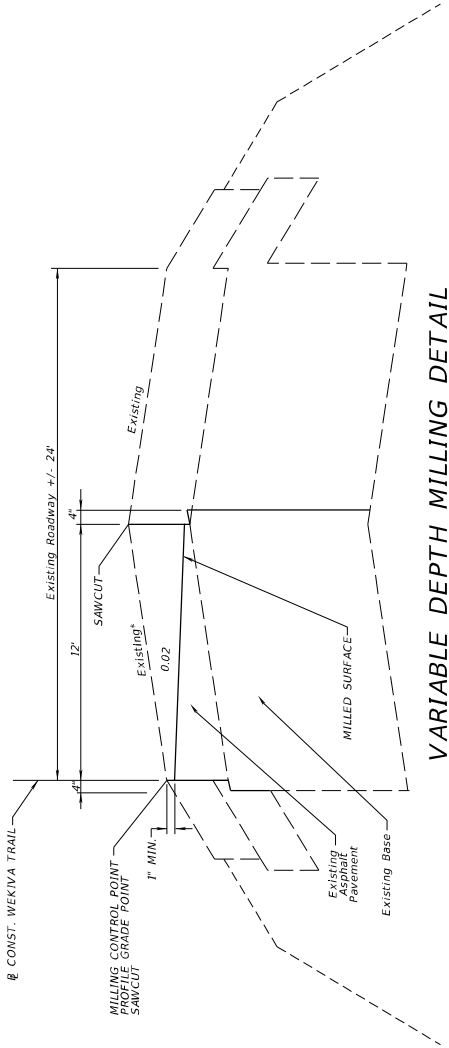
SERVICE ROAD MILLING & RESURFACING DETAIL
STA. 10+00 TO STA. 16+00

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

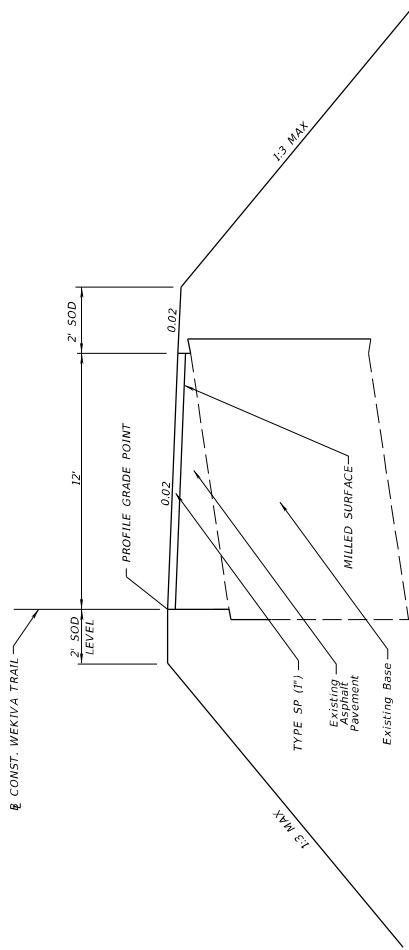
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 22
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TYPICAL SECTION DETAILS

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VARIABLE DEPTH MILLING DETAIL



CONSTANT DEPTH RESURFACING DETAIL

* EXISTING PAVEMENT CROSS SLOPES

STATION	EXIST. CROSS SLOPES
55+00	0.008
56+00	0.016
57+00	0.024
58+00	0.032
59+00	0.040
60+00	0.048
60+50	0.056

WEKIVA TRAIL MILLING & RESURFACING DETAIL
STA. 51+00 TO STA. 60+91.60

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30382	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID 238275-8-52-01 COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 23
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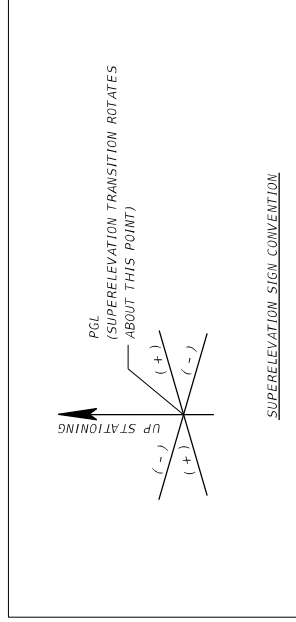
TYPICAL SECTION DETAILS

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GENERAL NOTES

1. BENCHMARK DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88).
2. EXISTING DRAINAGE STRUCTURES TO REMAIN ARE TO BE DESLITED.
3. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
4. 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
5. LONGITUDINAL GRADES ON WEKIVA TRAIL SHALL NOT EXCEED 0.05 EXCEPT AT CURB RAMPS.
6. CROSS SLOPES ON WEKIVA TRAIL SHALL NOT EXCEED 0.02.
7. THE CONTRACTOR SHALL SAWCUT, REMOVE AND DISPOSE OF EXISTING PAVEMENT BEYOND PROPOSED EDGE OF PAVED RETURNS (RADII) AND BEYOND PROPOSED EDGE OF DRIVEWAYS AT HIS EXPENSE.
8. THE CONTRACTOR SHALL USE TEMPORARY EROSION CONTROL FEATURES FOR PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. LOCATIONS OF EROSION CONTROL FEATURES AS SHOWN IN PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED AS NEEDED TO FIT ACTUAL FIELD CONDITIONS. TEMPORARY EROSION CONTROL FEATURES SHALL BE PROVIDED PER FDOT STANDARD INDEXES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SILTATION CAUSED BY CONSTRUCTION ACTIVITIES ENTERING THE STORM DRAINAGE SYSTEM ON-SITE AND OFF-SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING CONSTRUCTION BY APPROVED METHODS.

9. PAVEMENT WIDENING DESIGN FOR CUL-DE-SAC CONSTRUCTION:
 STABILIZATION TYPE B, LBR 40 (12")
 OPTIONAL BASE GROUP 4 WITH
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1.5") (PG 76-22, ARB)
10. CROSS SLOPE OF CUL-DE-SAC PAVEMENT WIDENING SHOULD MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE, UNLESS OTHERWISE NOTED IN THE PLANS.
11. WHEN CROSS SLOPE TRANSITION ON THE WEKIVA TRAIL IS NEEDED, A MINIMUM 75-FOOT TRANSITION SHALL BE USED.
12. THE CONTRACTOR SHALL NOT EXCAVATE, STORE MATERIAL, OR STAGE EQUIPMENT WITHIN THE FLORIDA GAS TRANSMISSION EASEMENTS WITHOUT FIRST COORDINATING WITH FGT.
13. THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEERING FIRM PRE- QUALIFIED IN FDOT WORK GROUPS 9.1, 9.2 AND 9.3 TO MONITOR SUBSOIL REMOVAL OF MUCK SOILS AT STATIONS 409+50 TO 413+50 AND STATIONS 467+25 TO 469+30. THE GEOTECHNICAL ENGINEERING FIRM RETAINED BY THE CONTRACTOR SHALL DOCUMENT WHERE SUBSOIL EXCAVATION OF MUCK SOILS EXCEEDS THE LIMITS SHOWN ON THE CROSS SECTIONS IN THE PLANS DUE TO ENCOUNTERED FIELD CONDITIONS DURING EXCAVATION. THE CONTRACTOR SHALL NOT EXCEED THE SUBSOIL REMOVAL LIMITS SHOWN IN THE PLANS IN DEPTH OR WIDTH BY MORE THAN 2 FEET WITHOUT APPROVAL OF THE ENGINEER AND DOCUMENTATION OF THE ORGANIC CONTENT OF THE SOILS TO BE REMOVED. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH AASHTO 267.



DATE	DESCRIPTION	REVISIONS

PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36382

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
CR 46A	238275-8-52-01
COUNTY	LAKE

GENERAL NOTES	
SHEET NO.	24

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			
0102 1	MAINTENANCE OF TRAFFIC	1			
0102 2 1	SPECIAL DETOUR 1	1		Phase 11 Temp. Pav't (Approx 9,677 SY)	
0102 2 2	SPECIAL DETOUR 2	1		Phase 111A Temp. Pav't (Approx 3,012 SY)	
0102 2 3	SPECIAL DETOUR 3	1		Phase 111B Temp. Pav't (Approx 224 SY)	

NOTES:

710- THE TOTALS SHOWN ON THE SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE II			PHASE III A			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	P	F		
			DAYS	P	P	DAYS	P	P	DAYS	P	P	P	F		
0102 60	WORK ZONE SIGN	ED	37.4	6	2244	22	57	1254	8	16	128	3626			
0102 71 11	BARRIER WALL, TEMPORARY, F&I, CONCRETE	LF	37.4	6	2244	22	2157	2157	8	155	155	2312			
0102 74 1	TEMPORARY BARRICADE (TYPE I, II, DI, VP & DRUM)	ED	37.4	6	2244	22	118	2596	8	45	360	5200			
0102 74 2	TEMPORARY BARRICADE (TYPE III)	ED	37.4	6	2244	22	34	748	8	2	16	764			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKERS	EA	37.4	4	1496	22	3648	3648	8	1014	1014	4662			
0102 99	CHANGEABLE VARIABLE MESSAGE SIGN- TEMPORARY	ED	37.4	4	1496	22	4	88	8	3	24	1608			
0710 11101	PAINTED PAVT MARK STD.WHYTE.SOLID.6" (MOT)	GH				22	1.69	1.69	8	0.34	0.34	2.03			
0710 11125	PAINTED PAVT MARK STD.WHYTE.SOLID.24" (MOT)	LF													
0710 11141	PAINTED PAVEMENT MARKINGS, WHITE, SKIP, 6" (6/10)	GH													
0710 11170	PAINTED PAVT MARK STD.WHYTE.ARROWS (MOT)	EA				21	4	4	8	4	4	8			
0710 11201	PAINTED PAVT MARK STD.YELLOW.SOLID.6" (MOT)	GH				22	1.76	1.76	8	0.62	0.62	2.38			
0710 11224	PAINTED PAVT MARK STD.YELLOW.SOLID.18" (MOT)	LF				22	162	162	8	200	200	362			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE III B			PHASE IV			TOTAL			GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	P	F		
			DAYS	P	P	DAYS	P	P	DAYS	P	P	P	F		
0102 60	WORK ZONE SIGN	ED	66	21	1386	30	12	360	1746	5372					
0102 71 11	BARRIER WALL, TEMPORARY, F&I, CONCRETE	LF	66	817	817	30	136	4080	817	3129					
0102 74 1	TEMPORARY BARRICADE (TYPE I, II, DI, VP & DRUM)	ED	66	89	5874	30	136	4080	9954	15154					
0102 74 2	TEMPORARY BARRICADE (TYPE III)	ED	66	8	528	30	136	4080	528	1292					
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKERS	EA	66	1040	1040	30	1814	1814	2854	7516					
0102 99	CHANGEABLE VARIABLE MESSAGE SIGN- TEMPORARY	ED	66	3	198	30	4	120	318	1926					
0710 11101	PAINTED PAVT MARK STD.WHYTE.SOLID.6" (MOT)	GH	66	5.15	5.15	30	5	5	5	7					
0710 11125	PAINTED PAVT MARK STD.WHYTE.SOLID.24" (MOT)	LF	66	167	167	30	167	167	167	167					
0710 11141	PAINTED PAVEMENT MARKINGS, WHITE, SKIP, 6" (6/10)	GH	66	0.07	0.07	30	0.07	0.07	0.07	0.07					
0710 11170	PAINTED PAVT MARK STD.WHYTE.ARROWS (MOT)	EA	66	12	12	30	12	12	12	20					
0710 11201	PAINTED PAVT MARK STD.YELLOW.SOLID.6" (MOT)	GH	66	6.32	6.32	30	6	6	6	9					
0710 11224	PAINTED PAVT MARK STD.YELLOW.SOLID.18" (MOT)	LF	66	1148	1148	30	1148	1148	1148	1510					

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 30882

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. CR 46A
 COUNTY LAKE
 FINANCIAL PROJECT ID 238275-8-52-01
 WHEREABOUT

SHEET NO. 50-1

SUMMARY OF QUANTITIES

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION		SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL						MOWING						CONSTRUCTION REMARKS	
						0107 1			0107 2			0107 1			0107 2				
						AREA ID	LENGT H	WIDTH	CYCLES	AC/ CYCLE	AREA TOTAL (AC)	AREA ID	LENGT H	WIDTH	CYCLES	AC/ CYCLE	AREA TOTAL (AC)		AREA ID
I	365+39	401+43	LEFT	374	30	24787	3604.7	42.0	13	3.47	45.14	24539	3604.7	38.2	13	3.17	41.15		
I	365+40	368+81	RIGHT	374	30	17661	340.6	36.6	13	0.29	3.72	13040	340.6	34.0	13	0.27	3.45		
I	365+44	365+31	RIGHT	374	30	17670	1428.9	39.7	13	1.30	16.92	13049	1428.9	36.4	13	1.20	15.54		
I	365+44	7+3	RIGHT	374	30	17725	1008.9	28.1	13	0.65	8.45	24967	1008.9	25.0	13	0.58	7.53		
I	365+46	393+57.51	RIGHT	374	30	24849	735.4	60.3	13	1.02	13.23	24806	735.4	55.1	13	0.93	12.09		
I	365+46	401+86.51	LEFT	374	30	24849	31.1	28.0	13	0.02	0.26	24514	31.1	52.7	13	0.04	0.49		
I	365+46	94	RIGHT	374	30	17781	1413.2	31.3	13	1.01	13.18	13170	1413.2	26.6	13	0.86	11.22		
I	455+21.51	469+34	LEFT	374	30	25080	3893.6	28.2	13	2.52	32.76	13197	3893.6	29.4	13	2.63	34.20		
I	455+25	494+39	LEFT	374	30	30975	625.0	91.3	13	1.31	17.02	30954	625.0	97.6	13	1.40	18.20		
I	466+76	473+00	RIGHT	374	30	17804	2546.2	23.9	13	1.40	18.17	13151	2546.2	20.2	13	1.18	15.38		
I	469+35	495+02	LEFT	374	30	17834	44.5	38.7	13	0.04	0.51	13163	44.5	37.2	13	0.04	0.49		
I	494+35	494+80	LEFT	374	30	25233	413.2	76.7	1	0.73	0.73	25711	413.2	61.4	1	0.58	0.58		
I	361+76	365+42	LEFT	22	30	25206	746.4	19.5	1	0.33	0.33	25153	746.4	16.1	1	0.28	0.28		
I	361+76	368+77	RIGHT	22	30	25206	1416.7	34.1	1	1.11	1.11	25257	1416.7	30.5	1	0.99	0.99		
I	369+75	363+31	RIGHT	22	30	19500	847.8	36.5	1	0.71	0.71	14440	847.8	33.2	1	0.65	0.65		
I	372+16.81	360+64	RIGHT	22	30	29312	2200.0	214.8	1	10.85	10.85	29233	2200.0	217.4	1	10.98	10.98		
I	373+00	365+00	LEFT	22	30	25391	2049.0	37.5	1	1.76	1.76	25408	2049.0	34.7	1	1.63	1.63		
I	380+84	401+43	LEFT	22	30	19530	1007.9	28.1	1	0.65	0.65	13522	1007.9	25.0	1	0.58	0.58		
I	383+46	353+56	RIGHT	22	30	25315	158.0	32.8	1	0.12	0.12	25326	158.0	29.6	1	0.11	0.11		
I	394+62	50+07	RIGHT	22	30	25351	370.1	78.1	1	0.66	0.66	25362	370.1	71.7	1	0.61	0.61		
I	398+16	401+86.51	LEFT	22	30	19596	31.1	60.8	1	0.04	0.04	25438	31.1	52.7	1	0.04	0.04		
I	455+25	455+26	RIGHT	22	30	19600	1413.2	32.0	1	1.04	1.04	14550	1413.2	26.5	1	0.86	0.86		
I	455+45	466+49	RIGHT	22	30	19626	1103.8	34.7	1	0.88	0.88	14555	1103.8	28.8	1	0.73	0.73		
I	466+75	434+50	RIGHT	22	30	30773	2775.0	176.1	1	11.22	11.22	30605	2775.0	116.3	1	7.41	7.41		
I	473+00.71	400+39	LEFT	22	30	25671	2138.7	25.5	1	1.25	1.25	25683	2138.7	31.3	1	1.54	1.54		
I	473+06	489+29	LEFT	22	30	25632	1422.8	22.0	1	0.72	0.72	25655	1422.8	17.4	1	0.57	0.57		
I	494+35	434+78	LEFT	22	30	25593	42.5	20.5	1	0.02	0.02	25602	42.5	36.8	1	0.04	0.04		
I	365+42	365+81	RIGHT	74	30	25893	339.4	35.0	2	0.27	0.55	25900	339.4	30.4	2	0.24	0.47		
I	365+42	399+64	LEFT	74	30	26328	3422.1	59.4	2	4.67	9.34	23414	3422.1	54.5	2	4.28	8.56		
I	369+03.01	360+70	RIGHT	74	30	25833	1167.8	99.3	2	2.66	5.32	25862	1167.8	94.5	2	2.53	5.07		
I	380+74	375+24	RIGHT	74	30	19841	1230.0	211.4	2	5.97	11.94	23042	1230.0	206.3	2	5.82	11.65		
I	394+70	458+09.71	LEFT	74	30	20311	5839.6	68.9	2	9.24	18.47	23433	5839.6	63.3	2	8.49	16.98		
I	454+63	457+92.01	RIGHT	74	30	26080	6381.4	203.4	2	29.80	59.61	26191	6381.4	198.1	2	29.03	58.05		
I	454+63	455+28	RIGHT	74	30	25767	33.5	54.2	2	0.04	0.08	25772	33.5	47.1	2	0.04	0.07		
I	458+34	474+79	LEFT	74	30	26463	1649.2	59.9	2	2.27	4.53	26474	1649.2	57.7	2	2.19	4.37		
I	458+37	466+11	RIGHT	74	30	26948	764.0	360.9	2	6.33	12.66	26999	764.0	330.9	2	5.80	11.61		
I	464+53	478+93	RIGHT	74	30	23618	899.1	53.0	2	1.09	2.19	16254	899.1	51.1	2	1.05	2.11		
I	474+53	360+39	LEFT	74	30	26328	1944.9	25.1	2	1.12	2.24	26356	1944.9	21.9	2	0.98	1.96		
I	475+03	489+94	LEFT	74	30	26339	1491.2	67.7	2	2.32	4.63	26387	1491.2	59.8	2	2.05	4.09		
I	479+08	465+32	RIGHT	74	30	26401	1603.1	53.5	2	1.97	3.94	26415	1603.1	51.3	2	1.89	3.78		
I	489+76	50+17	LEFT	74	30	20534	533.1	164.0	2	2.01	4.02	23587	533.1	157.7	2	1.93	3.86		
I	494+25	494+78	LEFT	74	30	26433	42.5	20.5	2	0.02	0.04	26441	42.5	20.5	2	0.02	0.04		
I		35																	
						SUB-TOTAL:				421				SUB-TOTAL:				396	
						TOTAL:				421				TOTAL:				396	

DATE	REVISIONS	DESCRIPTION	PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36882
		STATE OF FLORIDA	
		DEPARTMENT OF TRANSPORTATION	
		ROAD NO.	FINANCIAL PROJECT ID
		CR 46A	238275-8-52-01
		COUNTY	LAKE
		WILBERGTP	
		11/15/2015 9:21:27 AM	
		©:Projects\CR46A_Realignm\2382758201\summary\SUM0801.DWG	
SUMMARY OF QUANTITIES			
		SHEET NO. SQ-3	

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				CONSTRUCTION REMARKS					
					AREA ID	LENGT H	WIDTH	CYCLES	AC/CYCLE	AREA TOTAL (AC)	AREA ID	LENGT H		WIDTH	CYCLES	AC/CYCLE	AREA TOTAL (AC)	
IV	365+42 STA. TO STA.																	
	368+81	RIGHT	20	30	339.4	35.0	1	0.27	0.27	16833	339.4	30.4	1	0.24	0.24			
IV	373+70	RIGHT	20	30	22984	960.1	41.5	1	0.91	0.91	16873	960.1	41.5	1	0.91	0.91		
	373+65	RIGHT	20	30	22952	1167.8	123.6	1	3.31	3.31	16840	1167.8	118.9	1	3.19	3.19		
IV	369+03.01	RIGHT	20	30	21044	3405.3	77.0	1	6.02	6.02	17335	3405.3	72.1	1	5.63	5.63		
	365+42	LEFT	20	30	24469	1230.0	257.1	1	7.26	7.26	24390	1230.0	252.1	1	7.12	7.12		
IV	380+50	RIGHT	20	30	21185	5839.1	73.5	1	9.86	9.86	17098	5839.1	68.6	1	9.19	9.19		
	399+77	RIGHT	20	30	27618	6395.2	209.4	1	30.75	30.75	27728	6395.2	203.5	1	29.87	29.87		
IV	394+08	LEFT	20	30	21333	31.2	61.8	1	0.04	0.04	22687	31.2	51.2	1	0.04	0.04		
	454+95	RIGHT	20	30	21263	1649.2	84.6	1	3.20	3.20	17232	1649.2	79.8	1	3.02	3.02		
IV	458+74	LEFT	20	30	22764	1609.0	223.7	1	8.26	8.26	22199	1609.0	214.6	1	7.93	7.93		
	453+33	LEFT	20	30	22818	899.1	52.9	1	1.09	1.09	22156	899.1	51.0	1	1.05	1.05		
IV	469+93	RIGHT	20	30	21310	1986.2	97.4	1	4.44	4.44	27046	1986.2	93.2	1	4.25	4.25		
	474+80	RIGHT	20	30	21296	1603.1	53.5	1	1.97	1.97	27070	1603.1	51.3	1	1.89	1.89		
IV	474+23	LEFT	20	30	22130	533.2	171.6	1	2.10	2.10	27087	533.2	159.3	1	1.95	1.95		
	489+84	LEFT	20	30														
IV	489+28	LEFT	20	30														
					SUB-TOTAL:				79.50	76.28	SUB-TOTAL:							

SUMMARY OF MAILBOXES				DESIGN NOTES	CONSTRUCTION REMARKS
STATION	SIDE	QUANTITY			
		P	F		
CR 46A					
366+53.12	LT	5		OFFSET 25.21'	
378+10.37	RT	1		OFFSET 205.44'	
391+50.87	RT	2		OFFSET 249.61'	
474+86.96	LT	3		OFFSET 54.46'	
479+41.50	LT	1		OFFSET 53.32'	
SUB-TOTAL:		12			
TOTAL:		12			

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith
 2300 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 30882

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 COUNTY: LAKE
 ROAD NO.: CR 46A
 FINANCIAL PROJECT ID: 238275-8-52-01
 WHERECRIP

SUMMARY OF QUANTITIES

SHEET NO. 50-4

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SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F	P	F		
0120 1	REGULAR EXCAVATION						
	* CR 46A	321,459		616,158			
	SAHARA COURT	4,950					
	REDTAIL BLVD	209					
	DROTY SPRING LANE	7,741					
	SORRENTO AVE	3,427					
	CAMP CHALLENGE RD	1,812					
	SERVICE RD	1,489					
	POND 5-1B-2	10,884					
	POND 5-2B	254,763					
	POND FPC 5-1-1	9,424					
0120 4	SUBSOIL EXCAVATION			28,609			
	CR 46A	28,609					
0120 6	EMBANKMENT			143,166			
	* CR 46A	132,159					
	SAHARA COURT	7					
	REDTAIL BLVD	174					
	DROTY SPRING LANE	2,884					
	SORRENTO AVE	5,693					
	CAMP CHALLENGE RD	213					
	SERVICE RD	448					
	POND 5-1B-2	92					
	POND 5-2B	86					
	POND FPC 5-1-1	1,310					
0120 74	SURCHARGE EMBANKMENT			11,549			
	**CR46A	11,549					

NOTES:

EARTHWORK HAS BEEN CALCULATED USING THE LIMEROCK BASE OPTION. IF ANOTHER OPTION IS CONSTRUCTED, THERE SHALL BE NO REVISION TO THE EARTHWORK QUANTITIES FOR WHICH PAYMENT IS MADE BY PLAN QUANTITY.

* CR46A EARTHWORK QUANTITIES INCLUDE POND 5-3A-1, FPC 5-3-1 AND POND 5-1B-1.

** BASED ON 5-FT SURCHARGE ABOVE PROPOSED GRADES. SEE PLAN SHEET GR-20 FOR DETAIL.

DATE	REVISIONS	
	DESCRIPTION	DATE
	DESCRIPTION	

PREPARED BY:
 CDM SMITH
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 30982

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
COUNTY	FINANCIAL PROJECT ID
LAKE	238275-8-52-01
CR 46A	ROAD NO.

SUMMARY OF QUANTITIES

SHEET NO.

50-5

11/5/2015

WHERESIT.P

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SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT		QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION					P	F	P	F	P	F		
0160 4	Type B Stabilization	365+42.00 to 435+00.00	CR 46A	LT/RT	38774			SY		37506.4		106,610.7			
		375+61.12 to 377+08.58	SAHARA COURT	RT	39432					497.3					
		380+27.96 to 381+34.77		RT	39438					1178.4					
		391+26.51 to 392+53.02		RT	39449					228.5					
		392+73.41 to 394+08.58	RETAIL BLVD	RT	38706					701.2					
		393+60.34 to 394+50.59		RT	38721					854.6					
		399+06.04 to 402+17.22	DROTY SPRING LN	LT	38688					4245.6					
		435+00.00 to 479+64.53	CR 46A	LT/RT	39582					29041.1					
		455+03.00 to 458+87.38	SORRENTO AVE	RT	39407					7735.6					
		455+40.76 to 457+78.72	WEKIVA TRAIL	RT	38829					2002.1					
		459+63.37 to 475+09.40	CAMP CHALLENGE	RT	39455					2900.8					
		469+71.33 to 475+09.40		RT	39634					2563.3					
		475+00.83 to 478+90.56	WEKIVA TRAIL	RT	39480					710.3					
		478+41.45 to 479+64.53	CR 46A	RT	39671					396.4					
		479+30.99 to 483+77.44	WEKIVA TRAIL	RT	39696					923.6					
		483+72.39 to 484+44.92		LT	39726					206.9					
		484+58.57 to 484+58.57	CR 46A	RT	58376					5886.3					
		488+34.45 to 491+02.55	SERVICE RD.	LT	39772					2829.7					
		489+48.72 to 495+02.19	CR 46A	LT/RT	39790					4020.4					
		490+71.50 to 495+33.43	RAMP N	RT	39807					902.9					
		490+91.33 to 494+96.96	SERVICE RD.	LT	39840					1279.3					
285701	Optional Base, Base Group 01	365+42.00 to 368+58.15	CR 46A SHLDR.	RT	40592			SY		183.7		23,842.9			
		365+42.00 to 399+20.20		LT	40337					1998.8					
		369+30.05 to 380+46.15		RT	40226					655.9					
		381+22.90 to 393+24.41		RT	40248					719.8					
		393+63.73 to 393+63.73	RETAIL RD.	RT	40296					1407.3					
		394+08.41 to 416+31.13	CR46A SHLDR.	RT	40269					1321.7					
		399+97.06 to 435+00.00		LT	40350					2065.4					
		416+14.64 to 435+00.00	CR 46A POND DRIVEWAY	RT	40288					1111.1					
		435+00.00 to 457+76.27		RT	53992					90.0					
		457+00.00 to 457+92.67	CR 46A SHLDR.	LT	40908					1358.8					
		455+05.55 to 455+29.31	SORRENTO AVE SHLDR.	RT	40971					1341.3					
		455+21.46 to 458+78.94		RT	40918					801.3					
		455+59.62 to 458+07.70		RT	40943					678.6					
		456+34.36 to 456+34.36	WEKIVA TRAIL	RT	58532					1607.3					
		457+81.68 to 458+63.60	CR 46A DRIVEWAY	LT	54083					254.4					
		458+45.05 to 474+63.10	CR 46A SHLDR.	LT	10618					940.1					
		458+69.81 to 474+50.11		RT	10651					939.6					
		466+52.08 to 466+52.08	WEKIVA TRAIL	LT	58488					2307.0					
		474+44.53 to 475+29.53	CR 46A DRIVEWAY	LT	53461					209.5					
		475+01.03 to 478+90.34	WEKIVA TRAIL	RT	40504					565.2					
		475+10.96 to 479+00.00	CR 46A SHLDR.	LT	10695					227.0					
		475+22.75 to 478+78.94		RT	10669					201.7					
		478+61.32 to 479+61.92	CR 46A DRIVEWAY	RT	53562					354.7					
		479+00.00 to 479+61.71		LT	10700					36.6					
		481+46.22 to 481+46.22	WEKIVA TRAIL	RT	58436					726.2					
		484+10.27 to 484+10.27		LT	58412					152.7					

DATE	REVISIONS	DESCRIPTION	DATE
PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982			
STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
COUNTY		FINANCIAL PROJECT ID	
CR 46A		238275-8-52-01	
LAKE		238275-8-52-01	
SUMMARY OF QUANTITIES			
11/15/2015 9:21:28 AM ©:Projects\CR46A_Realignm\3282758201\summary\SUMMARY.QNT			
SHEET NO.			50-6

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				
285701	Optional Base, Base Group 01 (CONT'D)	489+20.39 to 490+80.78	SERVICE RD SHLDR.	LT	10998					199.9					
		489+84.28 to 491+00.64	SERVICE RD SHLDR.	LT	11017					167.3					
		490+78.69 to 494+38.68	SERVICE RD SHLDR.	LT	26155					305.4					
		490+88.46 to 494+94.71	SERVICE RD SHLDR.	LT	11026					355.9					
		493+28.58 to 495+01.41	RAMP N SHLDR.	RT	11058					81.3					
		493+31.28 to 495+33.28	RAMP N SHLDR.	RT	26141					51.5					
		494+30.20 to 494+80.59	DRIVEWAY	LT	54176					128.0					
		494+68.12 to 494+80.59	SERVICE RD SHLDR.	LT	26181					6.4					
		406+61.81 to 407+38.15	CR 46A DRIVEWAY	RT	60035					111.4					
		422+62.50 to 423+37.50	CR 46A DRIVEWAY	RT	60036					83.4					
		495+01.38 to 495+32.59	RAMP N SHLDR.	RT	11063					14.5					
		399+55.93 to 399+76.05	DROTY SPRING LN	LT	53987					42.7					
285704	Optional Base, Base Group 04	368+34.36 to 369+46.41	CR 46A TURNOUT	RT	53962					6,992.4					
		375+60.40 to 377+08.69	SAHARA COURT	RT	53973					505.1					
		380+29.73 to 381+23.04	SAHARA COURT	RT	53760					902.4					
		391+26.40 to 392+53.37	DROTY SPRING LANE	RT	53981					232.6					
		399+20.05 to 402+13.51	DROTY SPRING LANE	LT	53788					3001.7					
		455+05.39 to 455+70.86	HOLJIN ST TURNOUT	RT	54067					322.2					
		469+76.35 to 475+34.88	CAMP CHALLENGE	RT	53533					1811.0					
285709	Optional Base, Base Group 09	365+42.00 to 435+00.00	CR 46A	LT/RT	41234					22091.2					
		435+00.00 to 479+00.01	CR 46A	LT/RT	41271					18602.2					
		455+08.27 to 458+87.19	SORRENTO AVE	RT	41305					4682.2					
		479+00.00 to 489+50.00	CR 46A	LT/RT	27739					3016.9					
		479+00.01 to 489+50.59	CR 46A	RT	27758					2252.0					
		488+34.45 to 490+98.59	SERVICE RD	LT	27593					2173.1					
		490+91.33 to 494+92.17	SERVICE RD	LT	13377					632.0					
		493+29.14 to 495+33.20	RAMP N	RT	13417					346.3					
0327 70 5	Milling Exist. Asphalt Pavt., 2" Avg Depth	489+84.26 to 494+91.76	SERVICE RD.	LT	41344					1851.3					
0327 70 7	Milling Exist. Asphalt Pavt., 4" Avg Depth	484+42.62 to 489+65.06	TRAIL ON SERVICE RD.	LT	41454					782.0					
0334 1 11	Superpave Asphaltic Concrete (A)	455+38.64 to 457+70.70	WEKIVA TRAIL	RT	45300					122.95					
		457+60.12 to 457+88.13	WEKIVA TRAIL	RT	45287					3.70					
		458+53.30 to 459+32.21	WEKIVA TRAIL	RT	45331					5.15					
		458+68.78 to 474+57.82	WEKIVA TRAIL	RT	45341					176.17					
		475+00.83 to 478+90.56	WEKIVA TRAIL	RT	45376					44.28					
		479+30.99 to 483+65.16	WEKIVA TRAIL	RT	45405					53.60					
		483+40.17 to 483+75.39	WEKIVA TRAIL	RT	45395					3.76					
		483+74.32 to 484+10.60	WEKIVA TRAIL	LT	45648					3.59					
		483+74.64 to 494+40.02	WEKIVA TRAIL	LT	45620					69.31					
0334 1 13	Superpave Asphaltic Concrete (C)	365+42.00 to 479+00.00	CR 46A	LT/RT	42068					4398.01					
		455+08.45 to 458+87.10	SORRENTO AVE	RT	42050					491.37					
		479+00.00 to 489+50.00	CR 46A	LT/RT	28111					331.38					
		479+00.00 to 489+50.22	CR 46A	RT	28131					206.24					
		487+22.39 to 493+45.88	RAMP N	RT	28024					173.25					
		488+34.45 to 490+98.46	SERVICE RD.	LT	27962					233.68					
		489+48.72 to 495+02.20	CR 46A	LT/RT	14845					341.68					
		490+60.79 to 494+92.00	SERVICE RD.	LT	27977					175.58					
		490+91.33 to 494+92.00	SERVICE RD.	LT	14787					67.31					
		493+28.62 to 495+32.59	RAMP N	RT	14861					9.73					
		493+31.28 to 495+33.27	RAMP N	RT	14872					4.86					
		493+44.42 to 495+33.19	RAMP N	RT	28034					33.76					

DATE		REVISIONS		STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		SHEET NO.	
DESCRIPTION	DATE	DESCRIPTION	DATE	ROAD NO.	FINANCIAL PROJECT ID	SUMMARY OF QUANTITIES			50-7
				CR 46A	238275-8-52-01				
PREPARED BY: CDM SMITH 2301 WAITLAND CENTER PARKWAY, SUITE 300 WAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982				COUNTY		LAKE		DATE	
				CR 46A		LAKE		11/15/2015	
				238275-8-52-01		LAKE		9/21/2015	
				LAKE		LAKE		9/21/2015	

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	P	F		
0337 7 24	Asphaltic Concrete Friction Course (FC-5, PG 76-22, ARB)	493+28.62 to 495+32.59		RT	21114		TN	3.55				321.7			
		493+29.19 to 495+33.19		RT	28235										
		493+31.28 to 495+33.27		RT	21121			1.77							
		495+30.52 to 498+66.03		LT	21297			40.43							
		495+32.42 to 501+23.19		RT	21201			146.60							
		502+12.59 to 502+51.92		LT	21257			14.79							
		502+12.77 to 502+22.36		RT	21288			8.11							
		502+14.76 to 502+50.46		RT	21269			69.25							
		502+29.36 to 502+36.27		LT	21248			1.70							
		502+29.71 to 502+54.43		RT	21278			18.43							
		502+46.36 to 502+55.92		LT	21263			3.79							
0337 7 73	Asphaltic Concrete Friction Course (Traffic C, FC-9.5, PG 76-22, ARB)	365+42.00 to 368+57.45		RT	16985		TN	9.45							
		365+42.00 to 399+20.13		LT	42778			103.05				4,055.8			
		365+42.00 to 479+00.00		LT/RT	42718			2199.00							
		369+30.12 to 380+46.08		RT	42790			33.79							
		381+22.97 to 393+24.41		RT	42800			37.12							
		394+08.41 to 416+31.22		RT	42817			68.20							
		399+56.00 to 399+76.40		LT	29125			2.36							
		399+97.12 to 435+00.00		LT	42831			106.45							
		416+14.64 to 416+95.16		RT	42860			6.68							
		416+78.58 to 457+67.54		RT	42843			125.38							
		435+00.00 to 457+92.11		LT	17139			69.15							
		455+05.73 to 455+29.25		RT	17274			2.02							
		455+08.45 to 458+87.10		RT	42867			245.69							
		455+21.46 to 458+88.49		RT	17255			41.79							
		455+59.79 to 458+07.70		RT	42884			35.17							
		457+81.68 to 458+63.60		LT	25919			13.64							
		458+45.58 to 474+62.56		LT	17117			48.46							
		458+87.10 to 474+49.95		RT	17128			47.97							
		474+44.53 to 475+29.53		LT	25926			11.27							
		475+11.50 to 479+00.00		LT	17112			11.69							
		475+23.43 to 478+78.89		RT	17097			10.48							
		478+61.32 to 479+61.67		RT	25933			19.29							
		479+00.00 to 479+61.71		LT	17106			1.89							
		479+00.00 to 489+50.00		LT/RT	29238			165.69							
		479+00.00 to 489+50.22		RT	29258			103.12							
		487+22.39 to 493+45.88		RT	29107			56.63							
		488+34.45 to 490+98.46		LT	30995			116.92							
		489+20.70 to 490+80.79		LT	19078			10.36							
		489+48.72 to 495+02.20		LT/RT	17221			170.84							
		489+84.28 to 491+00.50		LT	19088			8.64							
		490+78.82 to 494+38.88		LT	19109			16.11							
		490+80.79 to 494+92.00		LT	17302			121.28							
		490+98.46 to 494+94.48		LT	19140			18.35							
		494+30.72 to 494+80.69		LT	25940			7.01							
		494+68.22 to 494+80.69		LT	43112			0.35							
		406+61.81 to 407+38.15		RT	60037			5.99							
		422+62.50 to 423+37.50		RT	60038			4.51							

DATE	REVISIONS	DESCRIPTION	DATE	DESCRIPTION
PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982				
STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		
COUNTY		FINANCIAL PROJECT ID		
CR 46A	LAKE	238275-8-52-01		
SUMMARY OF QUANTITIES				
11/15/2015		9/21/2015		
WHENER@TP		@Projects\CR46A_Realignm\3282758201\summary\SUM0801.DWG		
SHEET NO.		50-8		

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		
0337 7 74	Asphaltic Concrete Friction Course	368+34.36 to 369+46.41	ARUNDEL WAY TURNOUT	RT	20045			TN	17.67		901.9			
		375+61.12 to 377+08.58	SAHARA COURT	RT	21538				41.03					
		380+24.75 to 381+37.87		RT	43374				73.21					
		391+26.51 to 392+53.02		RT	21544				18.85					
		393+63.64 to 393+63.64	REDTAIL BLVD.	RT	43384				116.04					
		399+03.48 to 402+13.29	DROTY SPRING LN	LT	43410				241.00					
		455+05.52 to 455+70.86	HOLJIN ST. TURNOUT	RT	20076				26.16					
		469+76.64 to 475+38.02	CAMP CHALLENGE RD	RT	20029				145.66					
		495+01.73 to 499+03.96	CR 46A	LT/RT	19978				88.89					
		495+02.03 to 499+03.96		LT	19960				94.81					
		501+77.13 to 502+56.92		LT/RT	19990				38.56					

SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT

LOCATION STA. TO STA.	SIDE	AREA ID	LENGT H	WIDTH	THICK (IN)	UNDER	DESIGN NOTES	CONSTRUCTION REMARKS
						GUARDRAIL (TNU)		
						P		
CR 46A						I		
458+88.99 to 470+05.93	RT	24614			2	F		
492+92.61 to 495+54.57	RT	43439			2			
SUB-TOTAL:								
TOTAL:								

SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY	DESIGN NOTES	CONSTRUCTION REMARKS
0430 84 1	DESILTING PIPE, 0-24"			LF	811		
		365+99.52 to 366+29.45	RT		35	15" CMP	
		387+88.00 to 389+61.00	RT		168	18" RCP	
		389+61.00 to 392+64.00	RT		268	18" RCP	
		392+64.00 to 392+69.00	RT		8	18" RCP	
		392+64.00 to 395+61.00	RT		302	18" CMP	
		373+57.00 to 373+84.00	RT		30	12" CMP	

DATE	REVISIONS	DESCRIPTION	STATE OF FLORIDA
			DEPARTMENT OF TRANSPORTATION
			FINANCIAL PROJECT ID
			238275-8-52-01
			ROAD NO.
			CR 46A
			COUNTY
			LAKE
SUMMARY OF QUANTITIES			
			SHEET NO.
			50-9

PREPARED BY: CDM SMITH, 2301 WATLAND CENTER PARKWAY, SUITE 300, WATLAND, FL 32751, PHONE: (407) 660-2552, ENGINEER OF RECORD: PAUL O. SNEAD, P.E., P.E. NUMBER: 36982. DATE: 11/15/2015. FILE: G:\Projects\CR46A_Realignm\3282758201\summary\SUM04RD01.DWG

SUMMARY OF PED/BICYCLE RAILING		
LOCATION	SIDE	AREA ID
STA. TO STA.		
CR 46A		
466+46.00	469+46.31	RT
SUB-TOTAL:		302.3
TOTAL:		302

SUMMARY OF PED/BICYCLE RAILING		
LOCATION	SIDE	AREA ID
STA. TO STA.		
CR 46A		
466+46.00	469+46.31	RT
SUB-TOTAL:		302.3
TOTAL:		302

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS									
LOCATION	STA. TO STA.	SIDE	AREA ID	LENGT H	WIDTH	CONC SIDEWALK 4"			CONSTRUCTION REMARKS
						DETECTABLE WARNINGS	DESIGN NOTES	CONSTRUCTION REMARKS	
						P	S	F	
CR 46A	483+74.89	LT	56390			48.0			WEKIVA TRAIL CROSS.
	475+38.79	RT	48575						SORRENTO AVE/ TRAIL CROSS.
	487+07.88	RT	48588						
	487+12.00	RT	48593						
	38+76.82	RT	48565						CAMP CHALLENGE RD/ TRAIL CROSS.
	38+88.65	RT	48570						
	478+90.56	RT	48539						CR 46A DRIVEWAY/ TRAIL CROSS.
	479+39.93	RT	48554						
	483+76.09	RT	48534						CR 46A/ TRAIL CROSS.
	483+79.44	LT	48529						
	483+90.86	LT	48524						
	483+90.84	LT	48519						
SUB-TOTAL:						48.0			
TOTAL:						48			

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS										
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	GROSS LENGTH	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
							DEDUCTIONS	TOTAL		
		STA. TO STA.					LENGTH	P		
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	CR 46A	MED LT		LF	692.7				
		482+19.81								
		489+01.98								
		482+19.81								
		489+01.98								
		RETAIL BLVD.								
0520 22	CONCRETE CURB & GUTTER, TYPE B	CR 46A	MED LT/RT		LF	369.3				
		2+16.90								
		483+69.91								
		483+67.34								
		483+62.26								
		SORRENTO AVE.								
		486+63.72								
		487+11.42								
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	CR46A	LT		LF	103.1				
		479+61.71								
		488+61.36								
		489+25.30								
		490+31.01								
		490+31.01								
		495+02.20								
		479+61.99								
		RAMP N								
		492+90.48								
		492+88.39								
		RETAIL BLVD.								
		1+58.54								
		1+77.59								
0520 3	VALLEY GUTTER- CONCRETE	SERVICE RD	LT		LF	25.1				
		15+74.89								
SUB-TOTAL:						48.0				
TOTAL:						48				

REVISIONS		DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WAITLAND CENTER PARKWAY, SUITE 300 WAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30882	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	COUNTY LAKE	FINANCIAL PROJECT ID 238275-8-52-01
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SUMMARY OF QUANTITIES		SHEET NO.
		50-10

SUMMARY OF DITCH PAVEMENT									
LOCATION	SIDE	AREA ID	LENGT H	WIDTH	CONCRETE DITCH PAVEMENT REINFORCED (3")		DESIGN NOTES	CONSTRUCTION REMARKS	
					SY	F			
STA. TO STA.									
395+00.00 to 396+43.97	LT	52832				278.0	S-313 @ CR 46A		
6+06.00 to 7+00.00	RT	52839				201.6	S-316 @ DROTY SPRING		
400+09.78 to 402+00.00	LT	52846				446.5	S-316 @ CR 46A		
408+00.00 to 410+95.98	LT	52859				514.8	S-200 @ CR 46A		
414+00.00 to 414+22.99	LT	52866				38.1	S-201 @ CR 46A		
456+00.00 to 456+94.37	LT	52871				169.9	S-101 @ CR 46A		
467+94.45 to 473+00.00	LT	52878				1398.6	CD-107 AND S-110 @ CR 46A		
474+20.98 to 474+31.02	LT	52885				18.9	S-110 @ CR 46A		
OUTFALL CONT. STRUCTURES						277.2	SEE SHEET 26		
SUB-TOTAL:					3343.6				
TOTAL:					3344				

SUMMARY OF GUARDRAIL														
LOCATION	SIDE	GUARDRAIL	SPECTAL GUARDRAIL POST	END ANCHORAGE ASSEMBLY (FLARED)	END ANCHORAGE ASSEMBLY (PARALLEL)	END ANCHORAGE ASSEMBLY (TYPE II)	DESIGN NOTES		CONSTRUCTION REMARKS					
							EA	EA	EA	EA				
							P	F	P	F				
STA. TO STA.														
CR 46A														
459+30.14 to 470+01.79	RT	1075												
493+00.62 to 495+54.57	RT	262.5	8											
SUB-TOTAL:					1337.5	8								
TOTAL:					1338	8								

SUMMARY OF WALLS										
WALL NO.	PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	STA. TO STA.	SIDE	UNIT	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
							P	F		
1	0455 133 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	1+50	4+75		SF	9706.0		SEE TEMP. TRAF. CONTROL PLANS (PHASE II) FOR DETAIL	
SUB-TOTAL:										
TOTAL:										

DATE	REVISIONS	DESCRIPTION	DATE	

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	FINANCIAL PROJECT ID
CR 46A	LAKE	238275-8-52-01	238275-8-52-01

SUMMARY OF QUANTITIES	LEO
11/15/2015	10/24/10 AM
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PREPARED BY:
CDM Smith
2301 WATLAND CENTER PARKWAY, SUITE 300
WATLAND, FL 32751 - PHONE: (407) 660-2552
ENGINEER OF RECORD
PAUL O. SNEAD, P.E.
P.E. NUMBER: 36982

SUMMARY OF FENCING

PAY ITEM NO.	DESCRIPTION	LOCATION		SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	STA. TO STA.			P	F	P	F		
0550 10 259	FENCING, TYPE B, 8'-1"-10'-0", SPECIAL FEATURES	CR 46A		LF				3132			
		479+99.96	489+50.81	LT		950.8					
		480+00.00	495+30.51	RT		1530.5					
	SERVICE RD	8+69.29	15+20.00	LT		650.7					

SUMMARY OF REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	STA. TO STA.					P	F	P	F		
0110 1 1	CLEARING & GRUBBING	365+42.00	435+00.00	LT/RT	34081	LS/AC	28.933	1.0		1.0		86.74 AC	
		396+94.34	402+54.41	LT	33762		2.915						
		413+89.24	418+47.24	RT	33743		7.070						
		417+11.92	419+87.05	RT	38381		3.705						
		435+00.00	479+00.00	LT/RT	33762		34.008						
		479+00.00	495+33.43	LT/RT	33893		9.614						
0110 4	REMOVAL OF EXISTING CONCRETE PAVEMENT	479+61.62	489+28.08	LT	38387	SY	0.495			7918		REMOVE EXIST. PCC BASE OF EXIST. SR 46. ASSUMED 20' WIDE	
		OLD SR 46											
		473+95.00	487+57.00					3026.7					
		CR 46A											
		458+20.00	480+21.00					4891.1					
0536 73	GUARDRAIL REMOVAL					LF				618		* EXIST. G/R IS LOCATED ON EASTBOUND OF EXISTING ROAD	
		CR 46A											
		* 395+40.00	399+50.00					560.0					
		495+16.44	495+54.57	RT				37.5					

NOTES:

0110 1 1 - INCLUDES THE REMOVAL OF TEMPORARY BARRIER WALLS AND OTHER ITEMS ASSOCIATED WITH THE TEMPORARY ROAD CLOSURE FROM SECTION 4B (FPID NO. 238275-6-52-01).

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
		PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30882		DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
				STATE OF FLORIDA SUMMARY OF QUANTITIES SHEET NO. 50-12

SUMMARY OF PERFORMANCE TURF

LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOO)						DESIGN NOTES	CONSTRUCTION REMARKS
					PERFORMANCE TURF		PERFORMANCE TURF		PERFORMANCE TURF			
					SY	F	SY	F	SY	F		
STA. TO STA.					P	F	P	F	P	F		
394+13.57 to 435+00.00	RT	64211			66028							
475+13.60 to 478+85.53	RT	66812			1511							
477+61.93 to 478+92.19	RT	66826				377						
479+30.86 to 479+49.47	RT	66835			84							
479+35.47 to 483+57.03	RT	66796			1933							
479+63.99 to 489+51.72	RT	66843			2699							
365+42.00 to 368+80.21	RT	34701			943							
365+42.00 to 401+96.73	LT	43814			22413							
369+04.31 to 380+69.43	RT	43495			17929							
373+75.73 to 379+14.72	RT	35424			2420							
380+96.10 to 393+59.54	RT	43639			41215							
399+71.87 to 435+00.00	LT	43865			21667							
417+11.92 to 419+87.05	RT	37676			20622							
435+00.00 to 457+64.28	RT	43923			58559							
435+00.00 to 458+08.34	LT	35004			10918							
454+95.03 to 455+28.43	RT	34878			497							
455+24.88 to 466+73.42	RT	44001			37709							
455+31.53 to 458+01.93	RT	43978			5039							
458+31.71 to 474+78.20	LT	34978			14285							
467+99.03 to 474+56.87	RT	60316			3572							
469+00.00 to 474+22.97	RT	37636			1583							
469+95.58 to 477+35.59	RT	35103			2482							
474+95.86 to 479+00.00	LT	34968			4090							
479+00.00 to 484+38.41	LT	44063			4708							
483+92.26 to 494+40.34	LT	63758			9298							
487+03.90 to 489+51.83	LT	63682			179							
489+50.72 to 495+32.37	RT	35222			2404							
489+88.97 to 495+18.94	LT	34893			10500							
494+42.67 to 494+74.55	LT	63783			60							
394+13.57 to 435+00.00	RT	66788							623			
469+94.40 to 478+91.94	RT	63472							238			
475+09.51 to 478+88.48	RT	63432							89			
478+91.63 to 478+93.53	RT	63416							6			
479+29.53 to 479+51.35	RT	63363							19			
479+32.90 to 483+59.19	RT	63334							99			
479+33.93 to 479+64.53	RT	63427							5			
479+61.71 to 483+74.47	LT	63460							139			
479+61.99 to 483+77.44	RT	63309							104			
479+64.53 to 483+57.25	RT	63384							130			
483+77.32 to 489+50.72	RT	63391							189			
483+92.04 to 489+19.32	LT	63400							187			
365+42.00 to 368+81.40	RT	35665							52			
365+42.00 to 385+00.00	LT	36514							289			
369+03.02 to 380+70.76	RT	44332							215			
373+59.12 to 377+08.88	RT	36337							66			
373+74.54 to 375+72.10	RT	36364							35			
375+71.67 to 379+15.04	RT	36393							53			
									2538			
									15923			
SUB-TOTAL:					365724							
TOTAL:					365724							

DATE	DESCRIPTION	REVISIONS	DATE

PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36882

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. CR 46A
 COUNTY LAKE
 FINANCIAL PROJECT ID 238275-8-52-01
 #1152015

SHEET NO. 50-13
 SUMMARY OF QUANTITIES
 10/10/15 AM ©:Projects\CR46A_Realignm\2382758201\summary\SUM0001.DWG

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)						DESIGN NOTES	CONSTRUCTION REMARKS	
					PERFORMANCE TURF		PERFORMANCE TURF		PERFORMANCE TURF				
					0570	1	1	1	2	2			2
P	SY	F	P	SY	F	P	SY	F					
377+08.58 to 379+20.23	RT	36442										SAHARA COURT SHOULDER	
379+19.92 to 380+29.05	RT	36523										SAHARA COURT SHOULDER	
380+94.77 to 393+19.20	RT	44360										CR 46A SHOULDER	
385+00.00 to 399+20.13	LT	44454										CR 46A SHOULDER	
391+26.06 to 392+00.85	RT	36324										SAHARA COURT SHOULDER	
393+19.03 to 393+75.64	RT	44382										RETAIL SHOULDER	
393+39.94 to 393+96.39	RT	35674										RETAIL MEDIAN	
394+10.15 to 394+53.18	RT	44396										RETAIL SHOULDER	
399+19.82 to 401+97.60	LT	44441										DROPT SPRING LN SHOULDER	
399+70.60 to 402+14.16	LT	44428										SHOULDER	
415+00.00 to 435+00.00	LT	44461										CR 46A SHOULDER	
435+00.00 to 457+65.56	RT	36601										CR 46A SHOULDER	
457+00.00 to 458+09.71	RT	44561										CR 46A SHOULDER	
455+04.92 to 455+29.25	RT	35779										SORRENTO AVE SHOULDER	
455+12.69 to 457+67.74	RT	44488										WEKIVA TRAIL	
455+24.16 to 458+59.31	RT	44630										SORRENTO AVE SHOULDER	
455+48.86 to 457+83.70	RT	44530										WEKIVA TRAIL	
455+50.75 to 458+03.10	RT	44606										SORRENTO AVE SHOULDER	
457+57.07 to 457+72.39	RT	44581										WEKIVA TRAIL MEDIAN	
458+30.33 to 474+79.53	LT	36898										CR 46A SHOULDER	
458+57.86 to 474+56.87	RT	44666										WEKIVA TRAIL	
458+69.05 to 459+31.81	RT	44659										WEKIVA TRAIL MEDIAN	
458+71.87 to 474+49.95	RT	44994										WEKIVA TRAIL	
458+77.70 to 470+05.93	RT	36853										CR 46A SHOULDER	
459+35.88 to 469+00.00	RT	37445										CR 46A 1:2 SLOPE	
466+72.29 to 467+99.27	RT	60341											
469+75.46 to 474+57.82	RT	36961										CAMP CHALLENGE	
470+05.93 to 474+49.95	RT	44984										CR 46A SHOULDER	
474+94.53 to 479+61.71	LT	44858										CR 46A SHOULDER	
475+11.67 to 478+81.83	RT	36979										CR 46A SHOULDER	
482+28.33 to 483+67.74	LT	44960										CR 46A MEDIAN	
483+39.19 to 483+68.43	RT	44752										WEKIVA TRAIL MEDIAN	
483+69.97 to 483+79.59	RT	44867										WEKIVA TRAIL MEDIAN	
483+72.50 to 489+24.03	LT	63649											
483+81.62 to 489+09.19	LT	44953										WEKIVA TRAIL MEDIAN	
483+90.20 to 489+28.95	LT	63664										CR 46A MEDIAN	
489+19.94 to 494+40.34	LT	44940										SERVICE RD SHOULDER	
489+50.59 to 493+29.19	RT	37235										RAMP N SHOULDER	
489+84.28 to 495+02.23	LT	37209										CR 46A SHOULDER	
489+87.04 to 495+02.02	LT	35702										CR 46A MEDIAN	
489+88.97 to 489+94.08	LT	37230										SERVICE RD SHOULDER	
489+92.90 to 494+95.13	LT	37219										SERVICE RD SHOULDER	
492+95.63 to 495+33.43	RT	37188										CR 46A 1:2 SLOPE	
493+28.44 to 495+32.42	RT	37243										RAMP N SHOULDER	
SUB-TOTAL:													
13384.5													

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982				
DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A		FINANCIAL PROJECT ID 238275-8-52-01		
COUNTY LAKE		SHEET NO. 50-14		
SUMMARY OF QUANTITIES				
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY LAKE PROJECT ID 238275-8-52-01 SHEET NO. 50-14				

QTY	STR. NO.	STATION	SIDE	DESCRIPTION	BARS	STORM AND CROSS DRAIN OPTIONAL TYPE			CURB INLETS P-1 P-2 B(U) B(O) <10' <10' <10' >10' >10' >10' >10' >10'	DITCH BOTTOM INLETS				MANHOLES				MITERED END SECTIONS		CLASS COMC (EV) (CY)	3" REINF. DITCH PAVEMENT SY	REMARKS																	
						ROUND SHAPE				H (EQ) C (EQ) D (EQ) MOD	D (EQ) C (EQ) D (EQ) MOD		P-8 J-8 P-8 J-8		CROSS DRAIN	SIDE DRAIN	CY	CY	REMARKS																				
						18" 24" 30" 36" 42" 48"	19x30 20x30 28x30 30x30 36x30 42x30 48x30	>10' >10' >10' >10' >10' >10' >10' >10'			>10' >10' >10' >10' >10' >10' >10' >10'																												
	P S-200	406+78.1 CL CR 46A	RT.	MES. PIPE	1														1.4																				
	F S-200	407+23.9 CL CR 46A	RT.	MES.	1															1.4																			
	F S-200	411+00.0 CL CR 46A	LT.	INLET, PIPE	1																CONTROL STR. 4.1X6'																		
	F S-201	414+27.0 CL CR 46A	LT.	INLET, PIPE	1																CONTROL STR. 4.1X6'																		
	F S-202	415+00.0 CL CR 46A	LT.	INLET, PIPE	1																DOUBLE SLOT 4.2X6'																		
	F S-203	415+00.0 CL CR 46A	RT.	INLET, PIPE	1																DOUBLE SLOT 4.2X6'																		
	F S-204	415+00.0 CL CR 46A	RT.	MES.	1																1.2																		
	F S-205	418+00.0 CL CR 46A	LT.	INLET, PIPE	1																SINGLE SLOT 4.2X6'																		
	F S-206	422+00.0 CL CR 46A	LT.	INLET, PIPE	1																SINGLE SLOT 4.2X6'																		
	F S-207	426+00.0 CL CR 46A	LT.	INLET, PIPE	1																SINGLE SLOT 4.2X6'																		
	F S-208	429+00.0 CL CR 46A	LT.	INLET, PIPE	1																DOUBLE SLOT 4.2X6'																		
	F S-209	429+00.0 CL CR 46A	RT.	INLET, PIPE	1	62															DOUBLE SLOT																		
	F S-210	432+00.0 CL CR 46A	LT.	INLET, PIPE	1																SINGLE SLOT 4.2X6'																		
	F S-211	436+00.0 CL CR 46A	LT.	MH, PIPE	1																SINGLE SLOT 4.2X6'																		
	F S-212	439+00.0 CL CR 46A	LT.	INLET, PIPE	1																DOUBLE SLOTS																		
	F S-213	442+00.0 CL CR 46A	LT.	INLET, PIPE	1																DOUBLE SLOTS																		
	F S-214	442+00.0 CL CR 46A	RT.	INLET, PIPE	1	73															SINGLE SLOT 4.2X6'																		
	F S-215	416+35.9 CL CR 46A	RT.	MES.	1																1.4																		
	F S-216	416+78.5 CL CR 46A	RT.	MES, PIPE	1	43															1.4																		
	P CD-200	412+38.8 CL CR 46A	LT.	MH, PIPE	1			136													5' x 6'																		
	P CD-201	412+41.0 CL CR 46A	RT.	MH, PIPE	1			27													5' x 6'																		
	P CD-202	412+41.4 CL CR 46A	RT.	ENDWALL	1																CON. STR. 6' DIAM.																		
	P DC-200	11+81.0 BL POND, 5-2B	LT.	INLET, PIPE	1			79													6' DIAM																		
	P O-201	414+27.0 CL CR 46A	LT.	MH, PIPE	1			182													5' x 6'																		
	P CD-200A	412+23.84 CL CR 46A	LT.	MH, PIPE	1			168													1.4																		
	P CD-202A	412+26.37 CL CR 46A	RT.	ENDWALL	1																DOUBLE SLOTS																		
	P S-100	486+17.5 CL SORRENTO AV	LT.	MES, PIPE	1			3													1.4																		
	P S-101	457+00.0 CL CR 46A	LT.	INLET, PIPE	1	179															DOUBLE SLOTS																		
	P S-102	457+00.0 CL CR 46A	LT.	MH, PIPE	1			212													4' x 4'																		
	P S-103	486+17.5 CL SORRENTO AV	RT.	MES.	1																1.4																		
	P S-104	461+00.0 CL CR 46A	LT.	INLET, PIPE	1	121															DOUBLE SLOTS																		
	F S-105	461+00.0 CL CR 46A	RT.	MES.	1																1.4																		
SHEET TOTALS -					478	0	983	2112	79	820	43	0	0	0	0	0	0	5	2	6	0	1	1	3	0	2	1	0	3	0	0	2	2	0	16	30	10	33	

DATE	DESCRIPTION	REVISIONS				DATE	DESCRIPTION
		NO.	BY	DATE	DESCRIPTION		

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	COUNTY LAKE	PROJECT ID 238275-8-52-01
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
COUNTY LAKE
PROJECT ID: 238275-8-52-01
FINANCIAL PROJECT ID

QTY	STR. NO.	STATION	SIDE	DESCRIPTION	BARS	STORM AND CROSS DRAIN OPTIONAL TYPE		CURB INLETS P-1 P-2 B(U) B(O)	DITCH BOTTOM INLETS		MANHOLES		MITERED END SECTIONS		CLASS COMC (EV) CY	3" REINF. COTCH PAVEMENT	REMARKS	
						ROUND SHAPE	ELLIPTICAL		TE(C) C MOD MOD	D D MOD MOD	P-8 J-8 P-8 J-8	CROSS DRAIN	SIDE DRAIN					
						18" 24" 30" 36" 42" 48" 4x23 19x30 29x45	P-1 P-2 B(U) B(O)	TE(C) C MOD MOD	D D MOD MOD	P-8 J-8 P-8 J-8	18" 24" 30" 36"	18" 24" 30"						
	P S-106	48+00.0 CL SORRENTO AV	LT.	INLET, PIPE	1	122												
	P S-107	48+59.5 CL SORRENTO AV	RT.	MES														
	P S-108	383+09.0 BL SR 46	LT.	MES, PIPE	1	6											1:4	
	P S-109	389+87.4 BL SR 46	LT.	MES, PIPE	1	12											1:4	
	P S-110	474+36.0 CL CR 46A	LT.	MES	1												1:4	
	P S-111	475+53.9 CL CR 46A	LT.	MES, PIPE	1	110											1:4	
	P S-112	NOT USED																
	P S-113	482+50.0 CL CR 46A	LT.	INLET, PIPE	1	150												
	P S-114	482+50.0 CL CR 46A	RT.	INLET, PIPE	1	160												
	P S-115	484+00.0 CL CR 46A	LT.	INLET, PIPE	1	202												
	P S-116	486+00.0 CL CR 46A	LT.	INLET, PIPE	1	238												
	P S-117	NOT USED																
	P S-118	487+00.0 CL CR 46A	RT.	INLET, PIPE	1	144												
	P S-119	488+35.7 CL CR 46A	LT.	INLET, PIPE	1	90												
	P S-120	489+50.0 CL CR 46A	RT.	INLET, PIPE	1	125												
	P S-121	7+00.0 CL SERVICE RD	LT.	INLET, PIPE	1	25												
	P S-122	674.0 CL SERVICE RD	LT.	INLET, PIPE	1	76												
	P S-123	489+60.0 CL CR 46A	RT.	INLET, PIPE	1	131												
	P S-124	6186.2 CL SERVICE RD	RT.	INLET, PIPE	1	133												
	P S-125	491+17.3 CL CR 46A	LT.	INLET, PIPE	1	169												
	P S-126	491+17.3 CL CR 46A	RT.	INLET, PIPE	1	91												
	P S-127	492+00.0 CL CR 46A	RT.	INLET, PIPE	1	78												
	P S-128	492+03.9 CL CR 46A	LT.	MES	1													
	P S-129	493+00.0 CL CR 46A	LT.	INLET, PIPE	1	185												
	P S-130	493+00.0 CL CR 46A	RT.	INLET, PIPE	1	97												
	P S-131	11+00.0 CL SERVICE RD	LT.	PIPE	1	165												
	P S-132	11+00.0 CL SERVICE RD	RT.	MES	1													
	P S-133	494+00.0 CL CR 46A	RT.	INLET, PIPE	1	96												
	P S-126A	491+17.3 CL CR 46A	RT.	INLET, PIPE	1	16												
	P S-109A	471+00.0 CL CR 46A	RT.	MH, PIPE	1	129												
	P S-109B	474+00.0 CL CR 46A	RT.	MH, PIPE	1	265												
	P S-114A	483+45.0 CL CR 46A	RT.	MES, PIPE	1	33											1:4 (ELLIPTICAL)	
	P S-114B	483+84.1 CL CR 46A	RT.	MES	1												1:4 (ELLIPTICAL)	
	SHEET TOTALS -																	
				PLAN QUANTITY	2518	227	169	0	0	0	0	0	0	0	0	0	0	
				FINAL QUANTITY														

DATE	DESCRIPTION	REVISIONS		DESCRIPTION	DATE
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982					
DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01					
STATE OF FLORIDA SUMMARY OF DRAINAGE STRUCTURES					
SHEET NO.					27

GENERAL NOTES

1. THE CONTRACTOR MAY USE ANY OF THE OPTIONAL PIPE MATERIALS TABULATED FOR A GIVEN STRUCTURE. ONLY THE MATERIAL OPTIONS TABULATED FOR A GIVEN STRUCTURE CAN BE USED.
2. ADJUSTMENT TO THE BID QUANTITIES, PRICES AND PAYMENT WILL NOT BE ALLOWED DUE TO INCREASE OR DECREASE IN STRUCTURE SIZE, SHAPE, LENGTH, WIDTH, DEPTH OR ACCESSORY CONSTRUCTION. THE "PLOTTED" OPTION, LIKEWISE, THERE WILL BE NO ADDED OR REDUCED COMPENSATION FOR STRUCTURE ALTERATIONS REQUIRED TO RELIEVE UTILITY CONFLICTS WHICH ARISE FROM THE USE OF AN OPTIONAL MATERIAL OTHER THAN THE "PLOTTED" OPTION.
3. ADJUSTMENT TO THE BID QUANTITIES, PRICES AND PAYMENT WILL NOT BE ALLOWED DUE TO INCREASED REQUIREMENTS OR DISPOSAL OF EXCESS MATERIALS DUE TO THE USE OF THE PIPE OPTIONAL MATERIALS, LIKEWISE, ADJUSTMENT IN THE QUANTITIES, PRICES AND PAYMENT WILL NOT BE ALLOWED DUE TO THE DIFFERENCES IN END TREATMENT SIZE OR TYPES, PIPE LENGTH, ALTERNATE JOINTING AND CONNECTING MATERIALS, SADDLES, CRADLES, FILTER FABRICS, SHORING OR SIMILAR FEATURES DUE TO THE USE OF AN OPTIONAL MATERIAL OTHER THAN THE "PLOTTED" OPTION.
4. IF ADJUSTMENTS ARE REQUIRED DUE TO PLAN ERRORS OR OMISSIONS OR AUTHORIZED FIELD CHANGES, THE "PLOTTED" MATERIAL AND NOT THE MATERIAL ELECTED BY THE CONTRACTOR WOULD BE USED TO ESTABLISH NEW PAY QUANTITIES.
5. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT IN WRITING AS TO WHICH OPTIONAL PIPE MATERIALS HE CHOOSES TO USE AT THE PRECONSTRUCTION CONFERENCE. ONCE IDENTIFIED THE CONTRACTOR MAY NOT CHANGE PIPE MATERIAL SELECTED WITHOUT THE APPROVAL OF THE ENGINEER.
6. PIPE SHAPES OTHER THAN ROUND (ELLIPTICAL/ ARCH) ARE SUMMARIZED AND PAID FOR USING EQUIVALENT ROUND PIPE DIAMETER.

STRUCTURE	SIZE (INCHES)	MATERIAL	PLOTTED	AS BUILT	REMARKS
EXCEPTION					
S-1111	18, 24	NRCP			
NRCP		RCP	X		
CAP Aluminum 16 GA.		CAP Aluminum 12 GA.			
SRASP Aluminumized 16 GA.		SRASP Aluminumized 14 GA.			
CASP Aluminumized 16 GA.		CASP Aluminumized 14 GA.			
SRAP Aluminum 16 GA.		HDPE, CI, II			
HDPE, CI, II		PP			
PP		PVC			
PVC	30, 36	NRCP			
CSP Galvanized 16 GA.		RCP	X		
SRSP Galvanized 16 GA.		CAP Aluminum 12 GA.			
		SRASP Aluminum 12 GA.			
		SRASP Aluminumized 14 GA.			
		CASP Aluminumized 14 GA.			
		HDPE, CI, II			
		PP			
		PVC			
	42, 48	RCP	X		
		SRAP Aluminum 12 GA.			
		CAP Aluminum 12 GA.			
		SRASP Aluminumized 14 GA.			
		CASP Aluminumized 14 GA.			
		HDPE, CI, II			
		PP			
		PVC			

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO.	FINANCIAL PROJECT ID
CR 46A	238275-8-52-01
COUNTY	LAKE

OPTIONAL MATERIALS TABULATION	
SHEET NO.	29

CURVE DATA (CL CR46A-1)
 PI STA. = 371+42.75
 Δ = 19° 06' 35" (LT)
 D = 2° 17' 31"
 T = 42.61
 L = 42.61
 R = 2,500.00
 PC STA. = 367+21.94
 PT STA. = 375+55.75
 e = 0.063

CURVE DATA (CL CR46A-2)
 PI STA. = 398+71.88
 Δ = 45° 04' 59" (RT)
 D = 2° 27' 55"
 T = 96.46
 L = 96.46
 R = 2,324.00
 PC STA. = 389+07.08
 PT STA. = 407+35.71
 e = 0.066

CURVE DATA (CL DROTY SPRING-1)
 PI STA. = 376+10.52 (RT)
 Δ = 7° 09' 43"
 D = 193.40
 T = 379.52
 L = 800.00
 R = 643.28
 PC STA. = 643.28
 PT STA. = 0.054
 e = 0.054

CURVE DATA (CL REDTAIL-1)
 PI STA. = 27+62.63
 Δ = 26° 19' 12" (RT)
 D = 19° 05' 55"
 T = 19.74
 L = 19.74
 R = 300.00
 PC STA. = 1+92.49
 PT STA. = 37+30.30
 e = NC

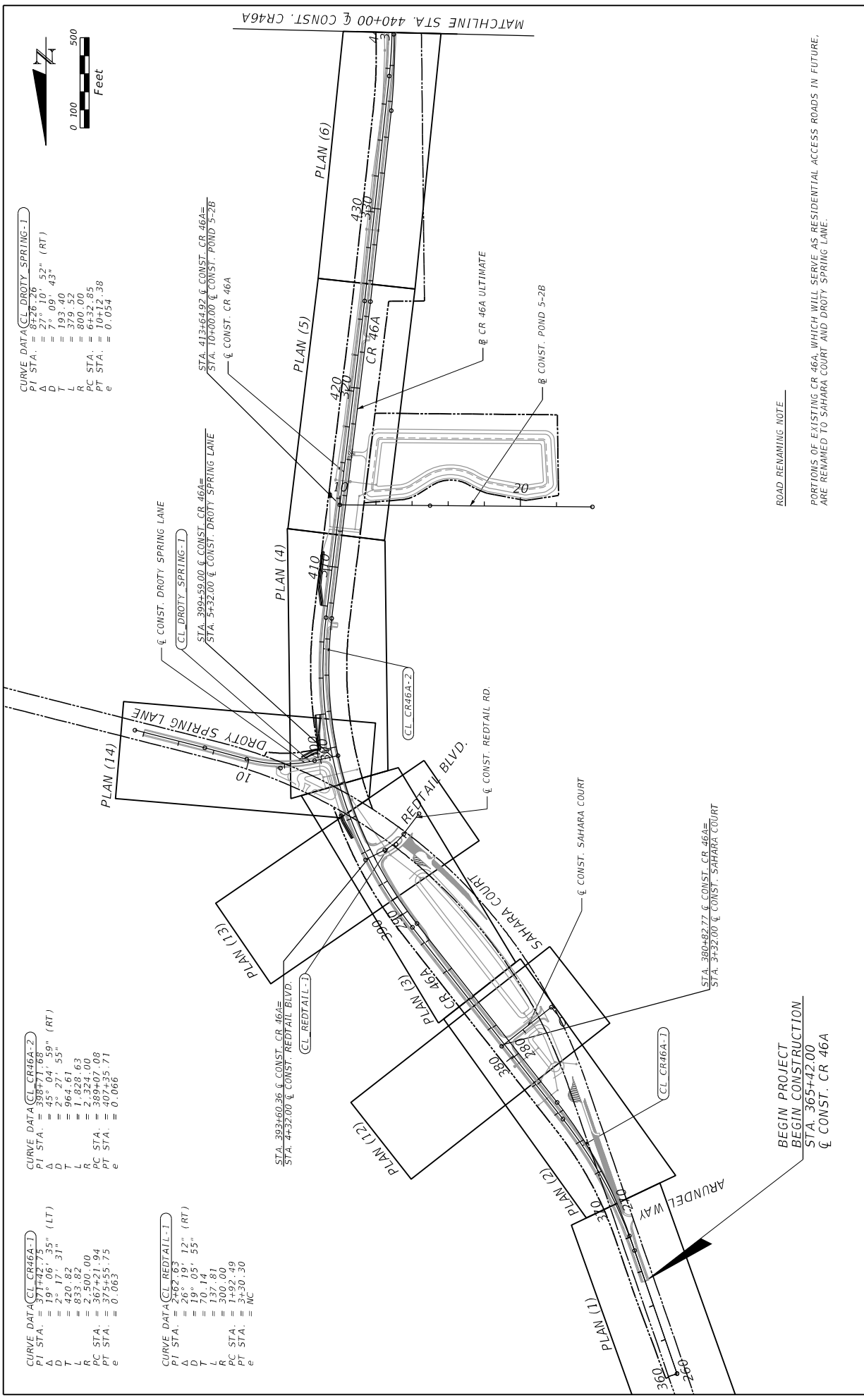
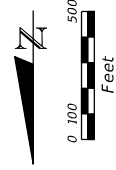
CURVE DATA (CL DROTY SPRING-1)
 STA. 309+50.00 & CONST. CR 46A=
 STA. 57+32.00 & CONST. DROTY SPRING LANE

CURVE DATA (CL DROTY SPRING-1)
 STA. 413+64.92 & CONST. CR 46A=
 STA. 10+00.00 & CONST. POND 5-28

STA. 393+60.36 & CONST. CR 46A=
 STA. 4+32.00 & CONST. REDTAIL BLVD.

STA. 380+82.77 & CONST. CR 46A=
 STA. 3+32.00 & CONST. SAHARA COURT

MATCHLINE STA. 440+00 & CONST. CR46A

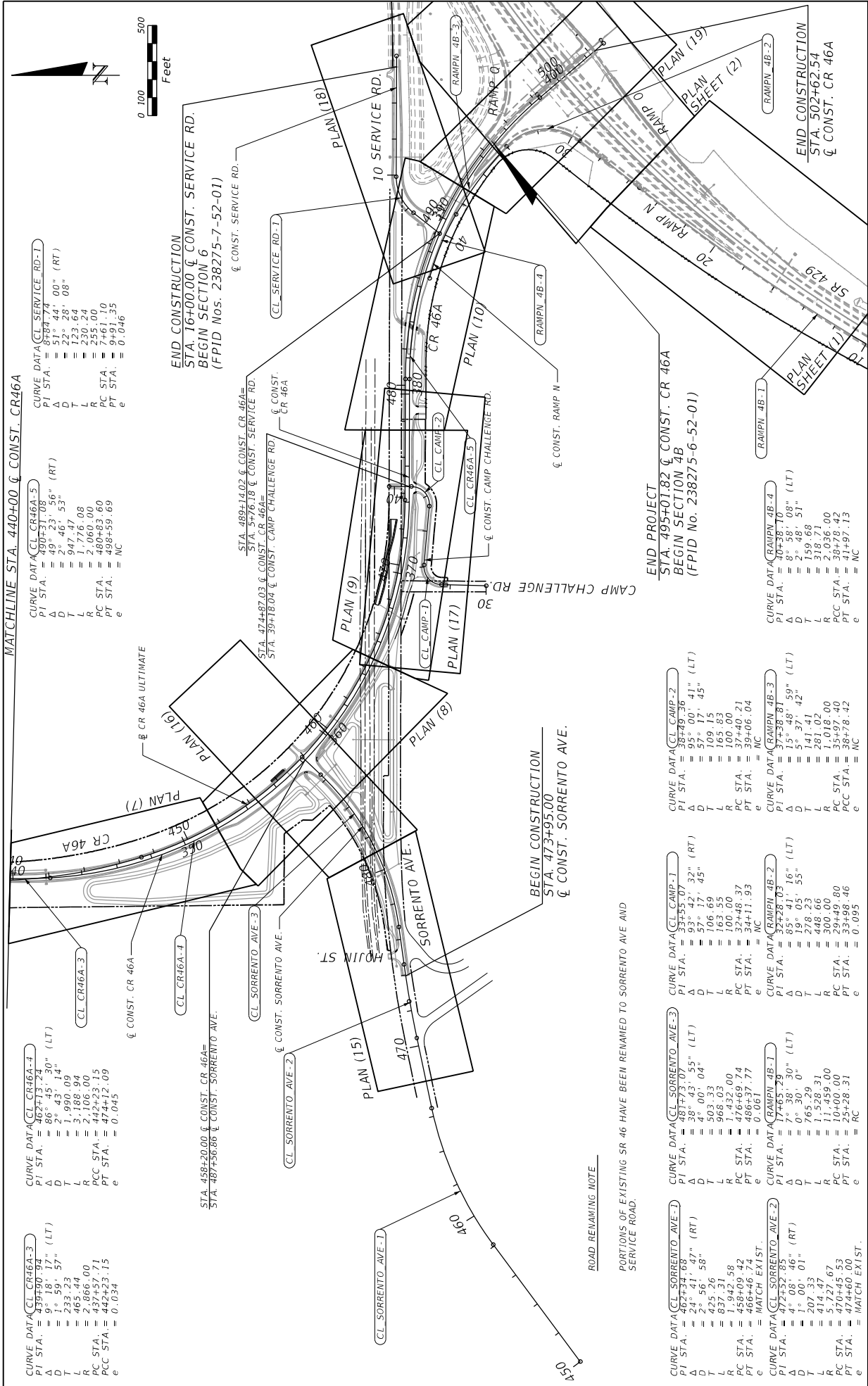


ROAD REMAINING NOTE
 PORTIONS OF EXISTING CR 46A, WHICH WILL SERVE AS RESIDENTIAL ACCESS ROADS IN FUTURE, ARE REMAINED TO SAHARA COURT AND DROTY SPRING LANE.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	COUNTY LAKE	FINANCIAL PROJECT ID 238275-8-52-01
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PROJECT LAYOUT (1)	SHEET NO. 30
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MATCHLINE STA. 440+00 @ CONST. CR 46A

CURVE DATA (CL CR 46A-3)

PI STA.	= 439+70.34
Δ	= 9° 18' 17" (LT)
D	= 1' 59' 57"
L	= 483.23
R	= 2,866.00
PC STA.	= 437+57.71
PCC STA.	= 442+23.15
PT STA.	= 474+12.09
e	= 0.034

CURVE DATA (CL CR 46A-4)

PI STA.	= 462+13.24
Δ	= 86° 45' 30" (LT)
D	= 2° 43' 14"
L	= 1,788.99
R	= 2,106.00
PC STA.	= 442+23.15
PCC STA.	= 474+12.09
PT STA.	= 474+12.09
e	= 0.045

CURVE DATA (CL CR 46A-5)

PI STA.	= 497+37.00
Δ	= 49° 23' 56" (RT)
D	= 2° 46' 53"
L	= 947.47
R	= 1,776.08
PC STA.	= 489+59.69
PCC STA.	= 489+59.69
PT STA.	= 498+59.69
e	= NC

CURVE DATA (CL SERVICE RD-1)

PI STA.	= 889+74
Δ	= 21° 26' 08" (RT)
D	= 123.64
L	= 230.24
R	= 255.00
PC STA.	= 746.10
PCC STA.	= 9+0.35
PT STA.	= 9+0.35
e	= 0.046

END CONSTRUCTION
STA. 16+00.00 @ CONST. SERVICE RD.
BEGIN SECTION 6
(FPID Nos. 238275-7-52-01)

END PROJECT
STA. 495+01.82 @ CONST. CR 46A
BEGIN SECTION 4B
(FPID No. 238275-6-52-01)

END CONSTRUCTION
STA. 502+62.54
@ CONST. CR 46A

CURVE DATA (CL CAMP-1)

PI STA.	= 37+55.07
Δ	= 83° 42' 32" (RT)
D	= 57° 17' 45"
L	= 106.69
R	= 100.00
PC STA.	= 32+48.37
PCC STA.	= 34+11.93
PT STA.	= 34+11.93
e	= NC

CURVE DATA (CL RAMPN 4B-1)

PI STA.	= 37+28.81
Δ	= 15° 48' 59" (LT)
D	= 75° 58' 51"
L	= 141.41
R	= 281.02
PC STA.	= 35+97.40
PCC STA.	= 38+78.42
PT STA.	= 38+78.42
e	= NC

CURVE DATA (CL CAMP-2)

PI STA.	= 38+49.36
Δ	= 95° 00' 41" (LT)
D	= 57° 17' 45"
L	= 109.15
R	= 100.00
PC STA.	= 37+40.21
PCC STA.	= 39+06.04
PT STA.	= 39+06.04
e	= NC

CURVE DATA (CL RAMPN 4B-2)

PI STA.	= 37+28.81
Δ	= 8° 58' 08" (LT)
D	= 5° 58' 51"
L	= 141.41
R	= 281.02
PC STA.	= 35+97.40
PCC STA.	= 38+78.42
PT STA.	= 38+78.42
e	= NC

CURVE DATA (CL CAMP-3)

PI STA.	= 37+55.07
Δ	= 83° 42' 32" (RT)
D	= 57° 17' 45"
L	= 106.69
R	= 100.00
PC STA.	= 32+48.37
PCC STA.	= 34+11.93
PT STA.	= 34+11.93
e	= NC

CURVE DATA (CL RAMPN 4B-3)

PI STA.	= 37+28.81
Δ	= 15° 48' 59" (LT)
D	= 75° 58' 51"
L	= 141.41
R	= 281.02
PC STA.	= 35+97.40
PCC STA.	= 38+78.42
PT STA.	= 38+78.42
e	= NC

CURVE DATA (CL CAMP-4)

PI STA.	= 37+55.07
Δ	= 83° 42' 32" (RT)
D	= 57° 17' 45"
L	= 106.69
R	= 100.00
PC STA.	= 32+48.37
PCC STA.	= 34+11.93
PT STA.	= 34+11.93
e	= NC

CURVE DATA (CL RAMPN 4B-4)

PI STA.	= 37+28.81
Δ	= 15° 48' 59" (LT)
D	= 75° 58' 51"
L	= 141.41
R	= 281.02
PC STA.	= 35+97.40
PCC STA.	= 38+78.42
PT STA.	= 38+78.42
e	= NC

CURVE DATA (CL CAMP-5)

PI STA.	= 37+55.07
Δ	= 83° 42' 32" (RT)
D	= 57° 17' 45"
L	= 106.69
R	= 100.00
PC STA.	= 32+48.37
PCC STA.	= 34+11.93
PT STA.	= 34+11.93
e	= NC

CURVE DATA (CL RAMPN 4B-5)

PI STA.	= 37+28.81
Δ	= 15° 48' 59" (LT)
D	= 75° 58' 51"
L	= 141.41
R	= 281.02
PC STA.	= 35+97.40
PCC STA.	= 38+78.42
PT STA.	= 38+78.42
e	= NC

CURVE DATA (CL CAMP-6)

PI STA.	= 37+55.07
Δ	= 83° 42' 32" (RT)
D	= 57° 17' 45"
L	= 106.69
R	= 100.00
PC STA.	= 32+48.37
PCC STA.	= 34+11.93
PT STA.	= 34+11.93
e	= NC

CURVE DATA (CL RAMPN 4B-6)

PI STA.	= 37+28.81
Δ	= 15° 48' 59" (LT)
D	= 75° 58' 51"
L	= 141.41
R	= 281.02
PC STA.	= 35+97.40
PCC STA.	= 38+78.42
PT STA.	= 38+78.42
e	= NC

ROAD REMAINING NOTE

PORTIONS OF EXISTING SR 46 HAVE BEEN REMOVED TO SORRENTO AVE AND SERVICE ROAD.

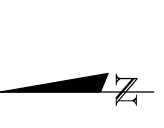
DATE	DESCRIPTION	REVISIONS

PREPARED BY:
CDM Smith
2301 WATLAND CENTER PARKWAY, SUITE 300
WATLAND, FL 32751 - PHONE: (407) 660-2552
PAUL O. SNEAD, P.E.
P.E. NUMBER: 36982

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO.	CR 46A
COUNTY	LAKE
FINANCIAL PROJECT ID	238275-8-52-01

PROJECT LAYOUT (2)	SHEET NO.
	31

11/17/2015 1:30:06 PM ©:Projects\CR46A_Realign\238275-8-52-01\ roadway\PLAN002.DWG



CURVE NO.	LINE	P.C. STATION	P.I. STATION	P.T. STATION	Δ	D	T	L	R	e	DESIGN SPEED	REVISIONS	
												DATE	DESCRIPTION
CR 46A												STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
												ROAD NO.	FINANCIAL PROJECT ID
												CR 46A	238275-8-52-01
												LAKE	
													WHEREABOUT

CURVE & COORDINATE DATA													
CL CR46A-1	CL CR46A	367+21.94	371+42.75	375+55.75	19° 6' 35.03"	2° 17' 30.59"	420.82	833.82	2500.00	6.3	60		
CL CR46A-2		389+07.08	398+71.68	407+35.71	45° 4' 58.99"	2° 27' 55.42"	964.61	1828.63	2324.00	6.6	60		
CL CR46A-3		437+57.71	439+90.94	442+23.15	8° 18' 17.43"	1° 59' 56.96"	233.23	465.44	2866.00	3.4	45		
CL CR46A-4		442+23.15	462+13.24	474+12.09	86° 45' 29.97"	2° 43' 14.15"	1990.09	3188.94	2106.00	4.5	45		
CL CR46A-5		480+83.60	490+31.08	498+59.69	49° 23' 56.47"	2° 46' 52.85"	947.47	1776.08	2060.00	RC *	45		
BL CR46A ULT-1	BL CR46A ULT	268+08.01	272+34.79	276+53.42	19° 22' 31.33"	2° 17' 30.59"	426.78	845.41	2500.00	6.3	60		
BL CR46A ULT-2		289+12.47	298+63.79	307+15.92	45° 4' 58.99"	2° 29' 59.34"	951.32	1803.45	2292.00	6.7	60		
BL CR46A ULT-3		335+49.08	341+45.67	347+25.46	23° 31' 33.21"	1° 59' 59.47"	596.60	1176.38	2865.00	3.4	45		
BL CR46A ULT-4		347+25.46	362+53.82	373+62.56	72° 32' 14.19"	2° 45' 2.30"	1528.36	2637.11	2083.00	4.5	45		
BL CR46A ULT-5		380+34.08	389+92.13	398+29.99	49° 23' 56.47"	2° 45' 2.30"	958.05	1795.91	2083.00	RC *	45		
SORRENTO AVE													
CL SORRENTO AVE-1	CL SORRENTO AVE	458+09.42	462+34.68	466+46.74	24° 41' 46.52"	2° 56' 58.10"	425.26	837.31	1942.58	N/A **	45		
CL SORRENTO AVE-2		470+45.53	472+52.85	474+60.00	4° 8' 45.93"	1° 0' 1.20"	207.33	414.47	5727.67	N/A **	45		
CL SORRENTO AVE-3		476+69.74	481+73.07	486+37.77	38° 43' 55.03"	4° 0' 3.97"	503.33	968.03	1432.00	6.1	45		
SERVICE ROAD													
CL SERVICE RD-1	CL SERVICE RD	7+61.10	8+84.74	9+91.35	51° 44' 0.01"	22° 28' 8.16"	123.64	230.24	255.00	4.6	15		
REDTAIL BLVD													
CL REDTAIL-1	CL REDTAIL	1+92.49	2+62.63	3+30.30	26° 19' 12.19"	19° 5' 54.94"	70.14	137.81	300.00	NC	N/A		
DROTY SPRING LANE													
CL DROTY SPRING-1	CL DROTY SPRING	6+32.85	8+26.26	10+12.38	27° 10' 52.40"	7° 9' 43.10"	193.40	379.52	800.00	5.4	30		
RAMP W													
RAMPN 4B-1	RAMPN 4B	10+00.00	17+65.29	25+28.37	7° 38' 30.01"	0° 30' 0.02"	765.29	1528.37	11459.00	RC	50-70		
RAMPN 4B-2		29+49.80	32+32.03	32+98.46	86° 41' 16.47"	19° 5' 54.94"	278.23	448.66	300.00	9.5	30		
RAMPN 4B-3		35+07.40	37+38.81	38+78.42	12° 48' 59.20"	5° 32' 41.77"	141.43	281.02	1018.00	NC	30		
RAMPN 4B-4		38+78.42	40+36.10	41+97.13	8° 58' 7.65"	2° 48' 50.88"	159.66	318.71	2036.00	NC	30-45		
CAMP CHALLENGE RD													
CL CAMP-1	CL CAMP	32+48.37	34+55.07	34+11.93	93° 42' 32"	57° 17' 45"	106.69	163.55	100.00	NC	20		
CL CAMP-2	CL CAMP	37+40.21	38+49.36	39+06.04	95° 0' 41"	57° 17' 45"	109.15	165.85	100.00	NC	20		

* RC ON EASTBOUND (RIGHT) HOWEVER ON WESTBOUND (LEFT), IT IS NC.

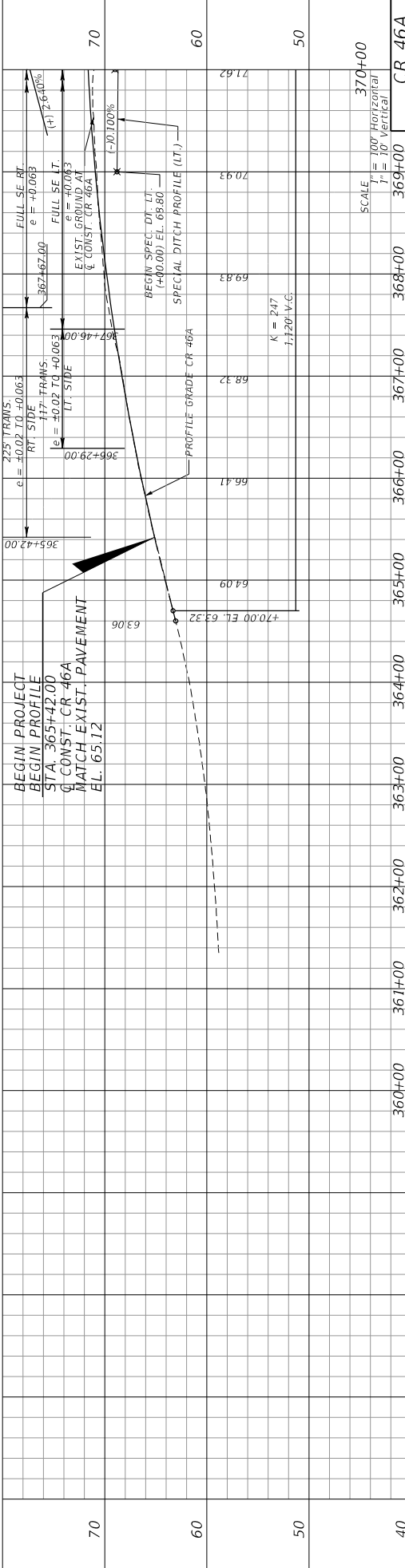
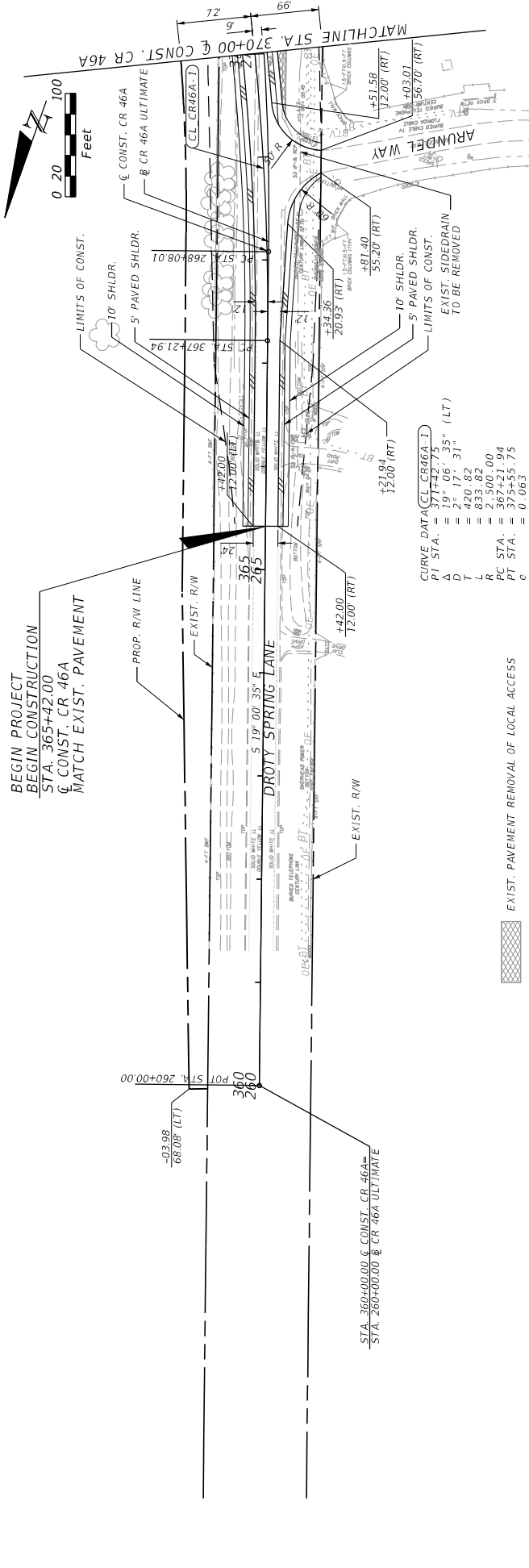
** MATCH EXIST. SE. VARIES ± 3.5% TO ± 6.5%

COORDINATE DATA						
LINE	CURVE NUMBER	CONTROL POINT	STATION	COORDINATES		
				NORTH	EAST	
	CR 46A					
CL_CR46A	CL_CR46A-1	PI	371+42.75	1,637,046.68	487,703.77	
	CL_CR46A-2		388+71.68	1,634,893.61	489,393.17	
	CL_CR46A-3		439+90.94	1,630,702.67	488,900.90	
	CL_CR46A-4		462+13.24	1,628,482.58	489,020.80	
	CL_CR46A-5		490+31.08	1,628,473.11	492,629.87	
	CR 46A ULTIMATE					
BL_CR46A_ULT	BL_CR46A_ULT-1	PI	272+34.79	1,636,959.02	487,731.88	
	BL_CR46A_ULT-2		298+63.79	1,634,884.31	489,359.80	
	BL_CR46A_ULT-3		341+45.67	1,630,533.06	488,850.25	
	BL_CR46A_ULT-4		362+53.82	1,628,504.37	489,482.59	
	BL_CR46A_ULT-5		389+92.13	1,628,496.08	492,640.51	
	SORRENTO AVENUE					
CL_SORRENTO_AVE	CL_SORRENTO_AVE-1	PI	462+34.68	1,628,264.57	487,218.61	
	CL_SORRENTO_AVE-2		472+52.85	1,628,478.11	488,227.64	
	CL_SORRENTO_AVE-3		481+73.07	1,628,603.07	489,139.51	
	SERVICE ROAD					
CL_SERVICE_RD	CL_SERVICE_RD-1	PI	8+84.74	1,628,550.11	492,681.81	
	REDTAIL BLVD					
CL_REDTAIL	CL_REDTAIL-1	PI	2+62.63	1,635,192.66	488,888.11	
	DROTY SPRING LANE					
CL_DROTY_SPRING	CL_DROTY_SPRING-1	PI	8+26.26	1,634,770.43	489,528.66	
	RAMP N					
RAMPN_4B	RAMPN_4B-1	PI	17+65.29	1,626,599.79	492,268.63	
	RAMPN_4B-2		32+28.03	1,627,748.05	493,178.42	
	RAMPN_4B-3		37+38.81	1,628,167.57	492,723.03	
	RAMPN_4B-4		40+38.10	1,628,303.73	492,455.29	
	CAMP CHALLENGE ROAD					
CL_CAMP	CL_CAMP-1	PI	33+55.07	1,628,404.96	490,543.59	
	CL_CAMP-2		38+49.36	1,628,356.01	491,085.51	

NOTE:

HORIZONTAL CONTROL SHOWN ON THE PLANS IS RELATIVE TO NORTH AMERICAN DATUM 1983 (NAD83), STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE.

DATE		REVISIONS		DESCRIPTION	
PREPARED BY: CDM SMITH 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982			DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01		SHEET NO. 33
CURVE & COORDINATE DATA					
11/17/2015 1:50:42 PM ©:Projects\CR46A_Realignm\23827585201\ roadway\CR46A01.DWG					

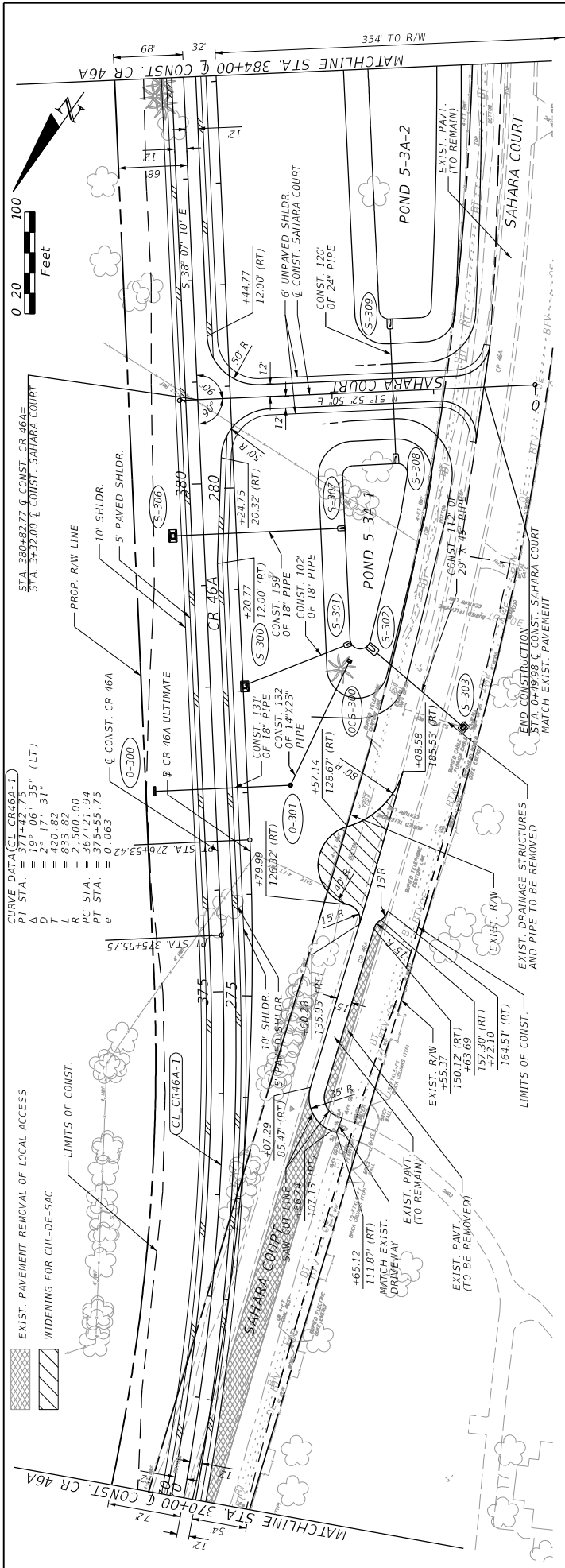


DATE	REVISIONS	DESCRIPTION

PREPARED BY: CDM Smith 2301 MAILAND CENTER PARKWAY, SUITE 300 MAILAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36882		
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 46A	LAKE	238275-8-52-01

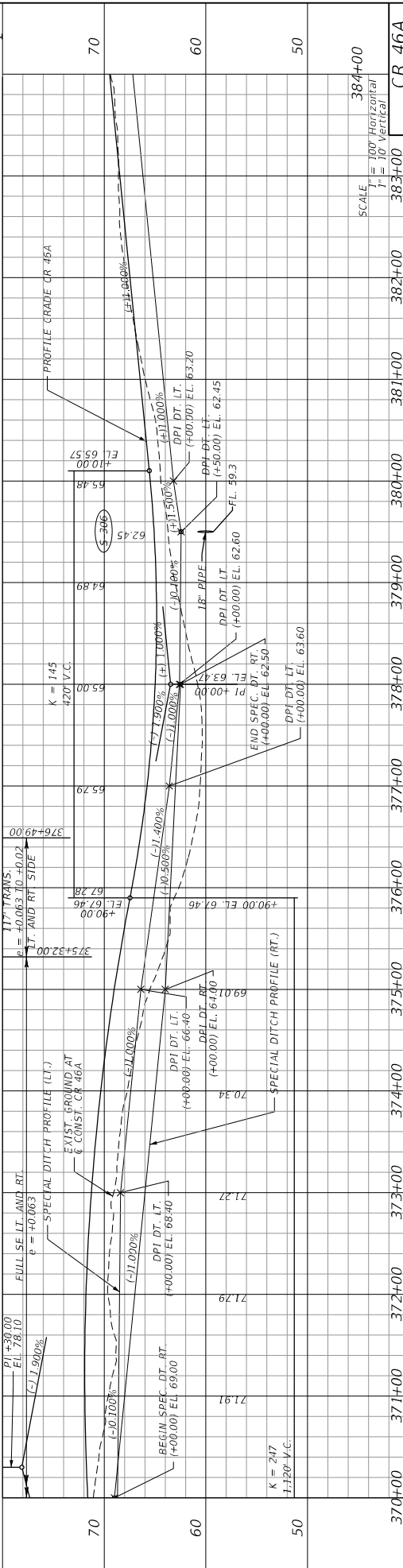
PROJECT NO.	130351-PA
DATE	11/14/2015
FILE	G:\Projects\CR46A_Requirement\388275\2015\roadway\PROJ001.dgn

PLAN AND PROFILE (1)	
SHEET NO.	34



CURVE DATA (CL CR 46A-1)
 PI STA. = 371+21.75
 Δ = 19° 06' 35" (LT)
 D = 420.82
 L = 333.82
 PC STA. = 365+21.94
 PT STA. = 375+55.75
 e = 0.063

EXIST. PAVT. REMOVAL OF LOCAL ACCESS
 WIDENING FOR CUL-DE-SAC
 LIMITS OF CONST.



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

370+00	371+00	372+00	373+00	374+00	375+00	376+00	377+00	378+00	379+00	380+00	381+00	382+00	383+00	384+00
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STA. 384+00	CR 46A
STA. 383+00	CR 46A
STA. 382+00	CR 46A
STA. 381+00	CR 46A
STA. 380+00	CR 46A
STA. 379+00	CR 46A
STA. 378+00	CR 46A
STA. 377+00	CR 46A
STA. 376+00	CR 46A
STA. 375+00	CR 46A
STA. 374+00	CR 46A
STA. 373+00	CR 46A
STA. 372+00	CR 46A
STA. 371+00	CR 46A
STA. 370+00	CR 46A

SCALE	1" = 100' Horizontal
	1" = 10' Vertical

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
2301 MAILLAND CENTER PARKWAY, SUITE 300	ROAD NO. CR 46A
MAITLAND, FL 32751 - PHONE: (407) 660-2552	COUNTY LAKE
ENGINEER OF RECORD	PROJECT ID 2382715-8-52-01
PAUL O. SNEAD, P.E.	FINANCIAL PROJECT ID
P.E. NUMBER 36982	

PREPARED BY:	CDM Smith
DATE:	11/4/2015

DATE	DESCRIPTION

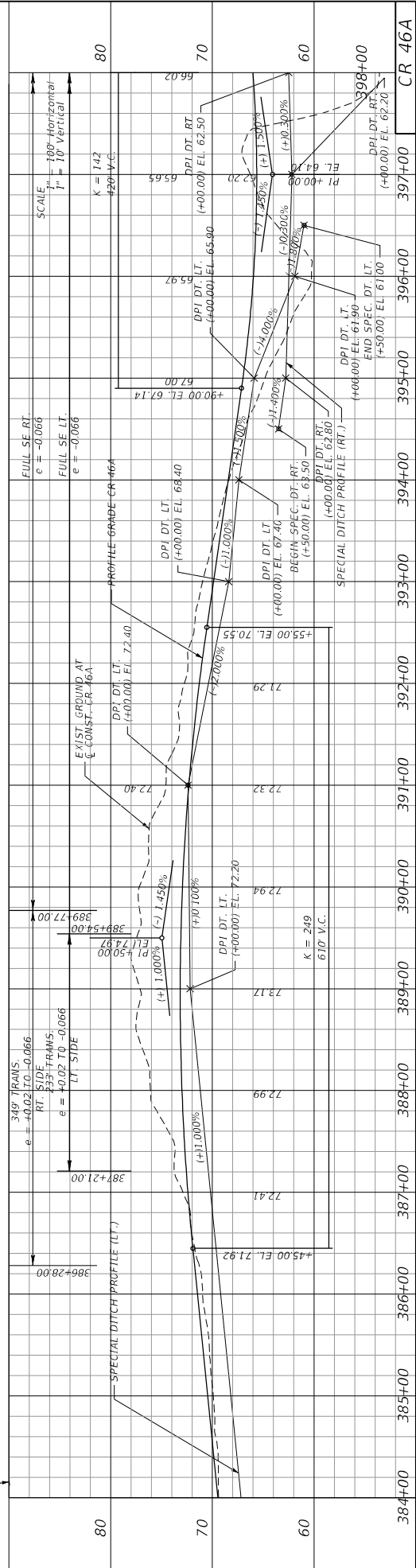
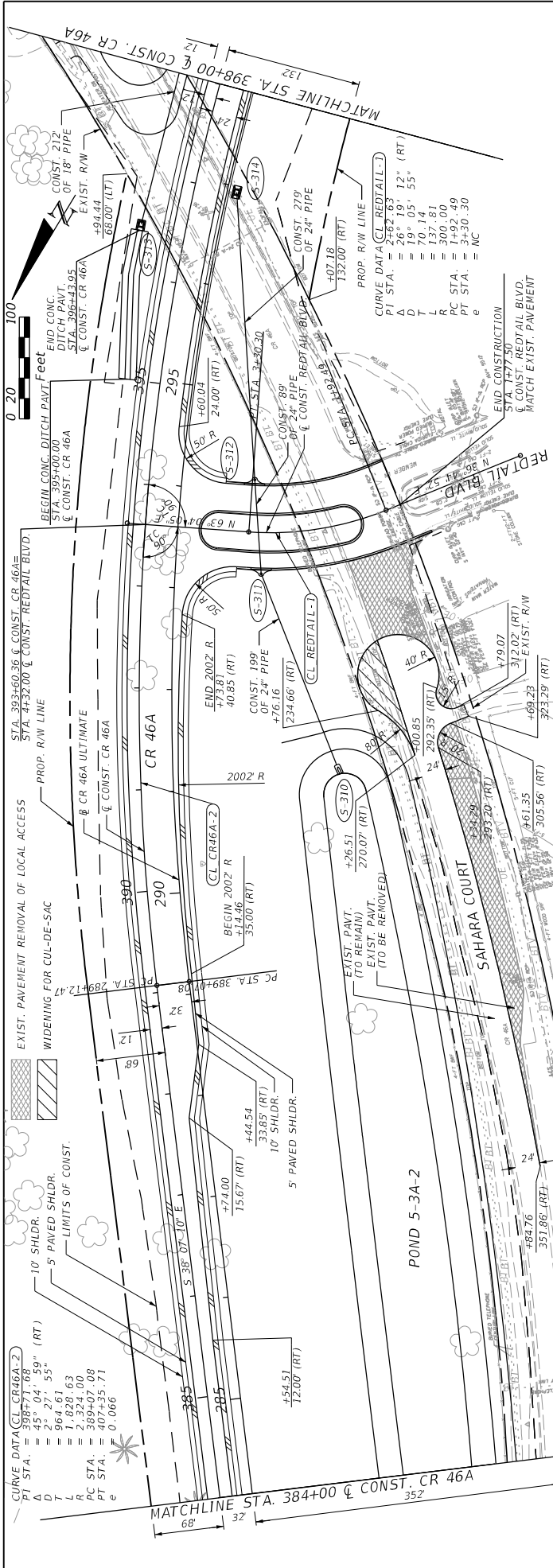
DATE	DESCRIPTION

PLAN AND PROFILE (2)

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. CR 46A
 COUNTY LAKE
 PROJECT ID 2382715-8-52-01
 FINANCIAL PROJECT ID

PREPARED BY:
 CDM Smith
 2301 MAILLAND CENTER PARKWAY, SUITE 300
 MAITLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER 36982

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

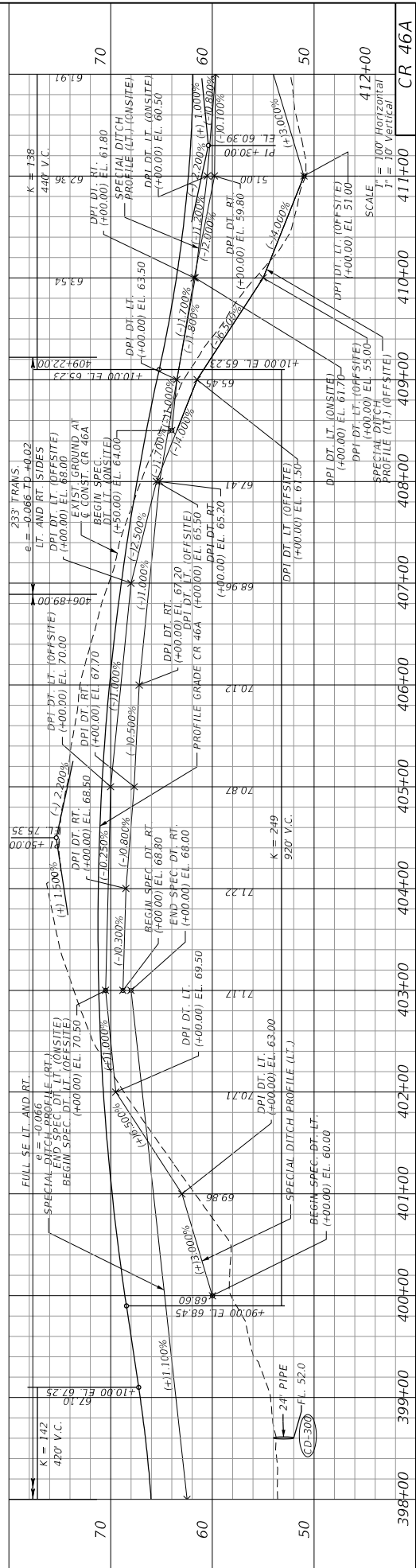
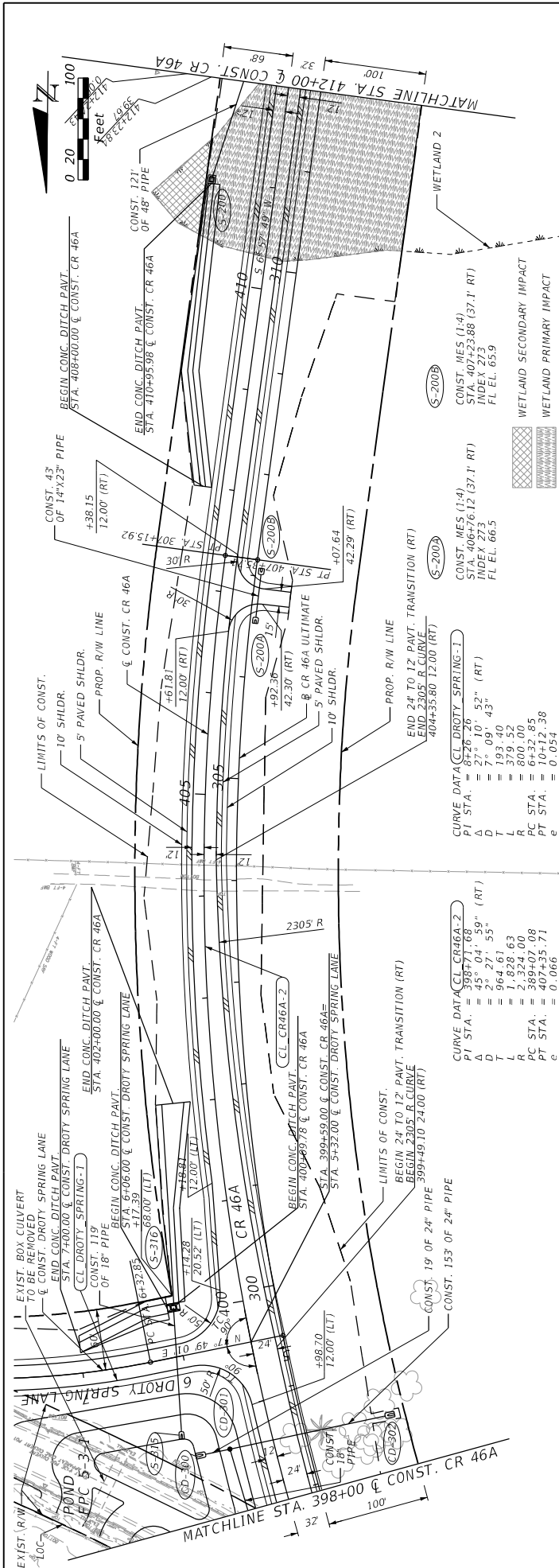
STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
2301 MAIL CENTER PARKWAY, SUITE 300	
MAITLAND, FL 32751 - PHONE: (407) 660-2552	
ENGINEER OF RECORD	
PAUL O. SNEAD, P.E.	
P.E. NUMBER: 36862	

ROAD NO.	CR 46A
COUNTY	LAKE
FINANCIAL PROJECT ID	238275-8-52-01

PREPARED BY:
COM Smith
2301 MAIL CENTER PARKWAY, SUITE 300
MAITLAND, FL 32751 - PHONE: (407) 660-2552
ENGINEER OF RECORD
PAUL O. SNEAD, P.E.
P.E. NUMBER: 36862

DATE: 11/14/2015 1:51:02 PM
PROJECT: CR46A_Requirement\38275-8-52-01 roadway\PROFILES.dwg
SHEET NO. 36

PLAN AND PROFILE (3)



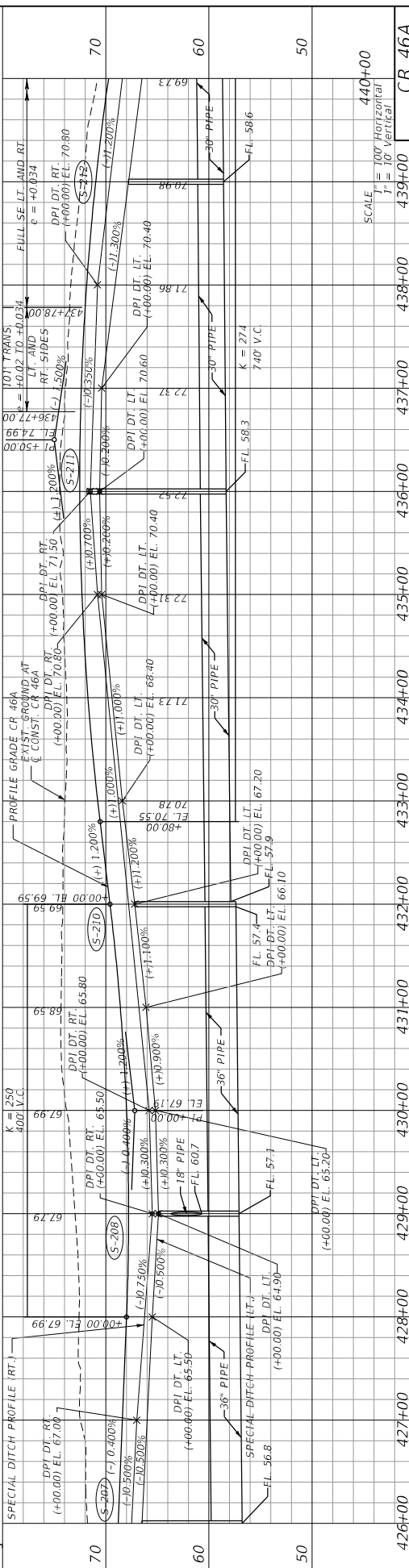
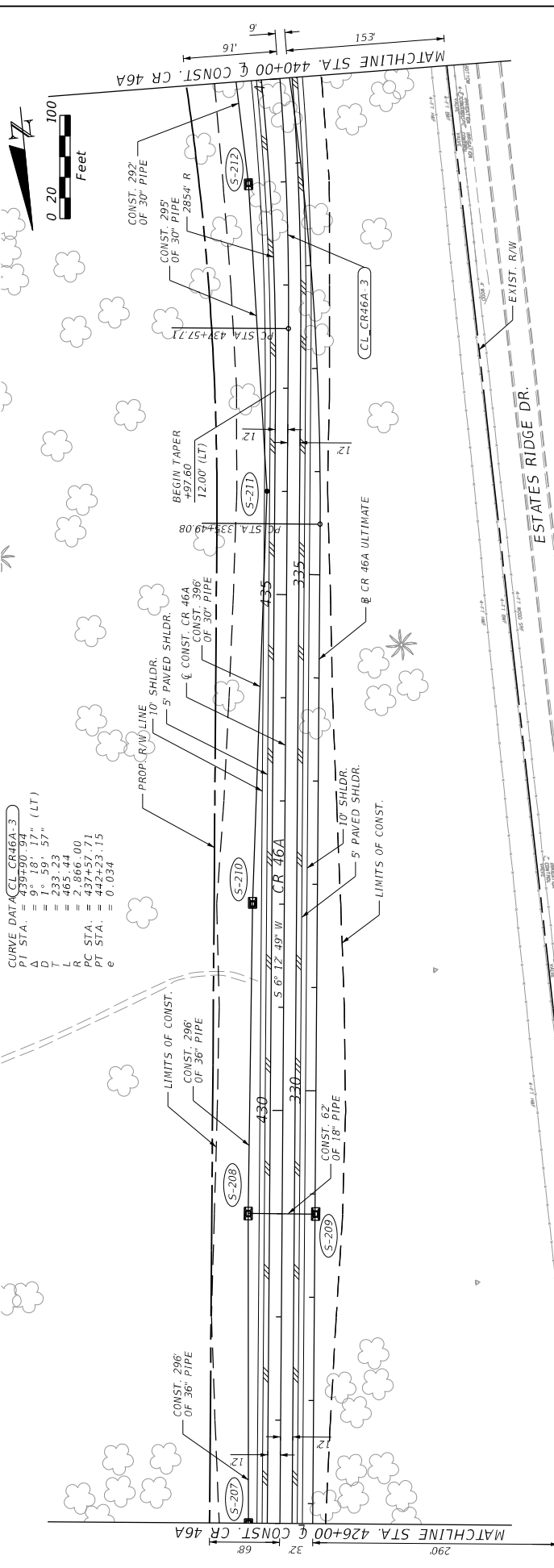
DATE	REVISIONS	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
2301 MAILLAND CENTER PARKWAY, SUITE 300	ROAD NO. CR 46A
MAITLAND, FL 32751 - PHONE: (407) 660-2552	COUNTY LAKE
ENGINEER OF RECORD	PROJECT ID 238275-8-52-01
PAUL O. SNEAD, P.E.	WHERENETP
P.E. NUMBER 36982	

SHEET NO.	37
DATE	11/14/2015
PROJECT	CR 46A
SCALE	1" = 100' Horizontal 1" = 10' Vertical

PLAN AND PROFILE (4)

CURVE DATA (CL CR46A-3)
 PI STA. = 435+50.94
 Δ = 9° 18' 17" (LT)
 D = 1° 59' 57"
 T = 233.23
 L = 465.44
 PC STA. = 436.00
 PT STA. = 442+23.15
 e = 0.034

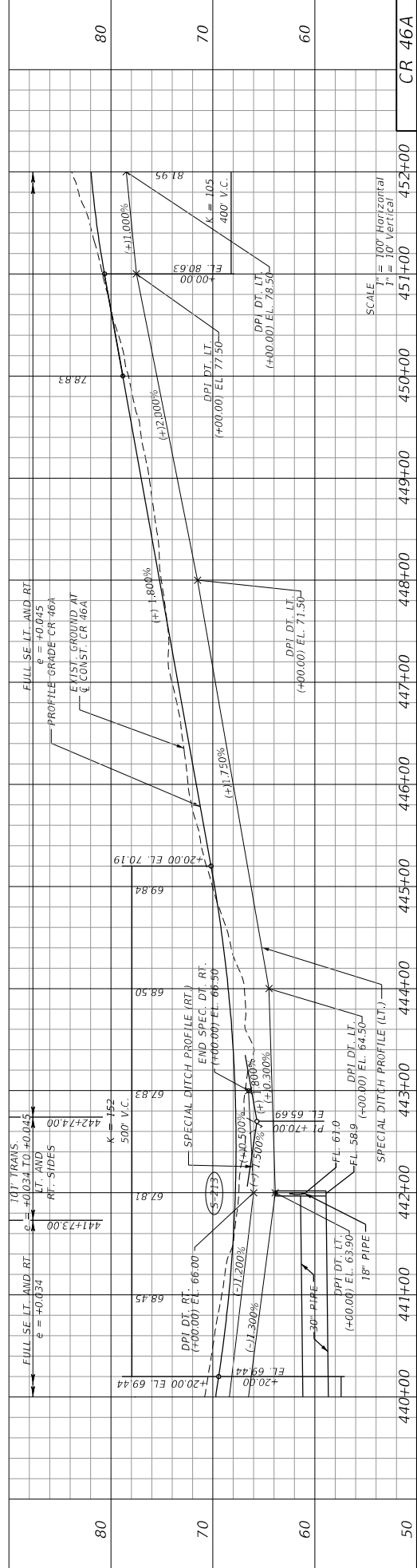
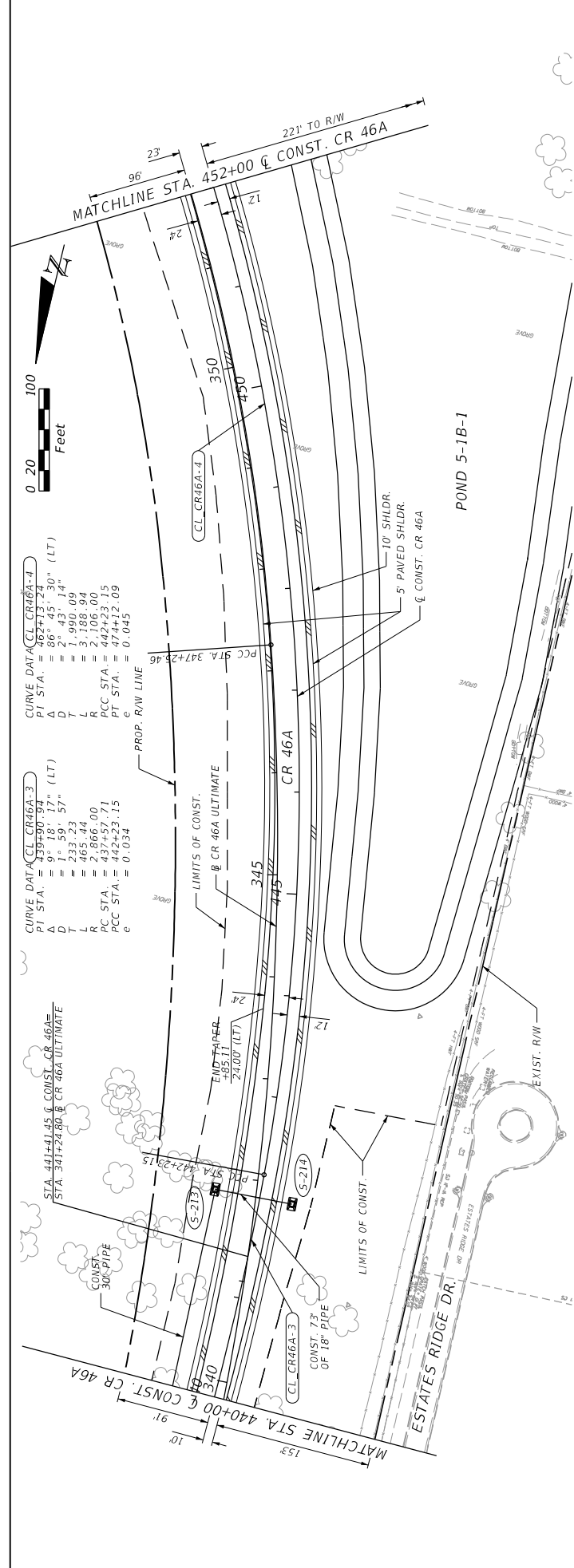


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: COM Smith 2301 MATLAND CENTER PARKWAY, SUITE 300 MATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36962			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE PROJECT ID: 238275-8-52-01
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426+00	427+00	428+00	429+00	430+00	431+00	432+00	433+00	434+00	435+00	436+00	437+00	438+00	439+00	440+00
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SCALE	1" = 100' Horizontal	1" = 10' Vertical
SHEET NO.	PLAN AND PROFILE (6)	
SHEET NO.	39	



DATE	REVISIONS	DESCRIPTION

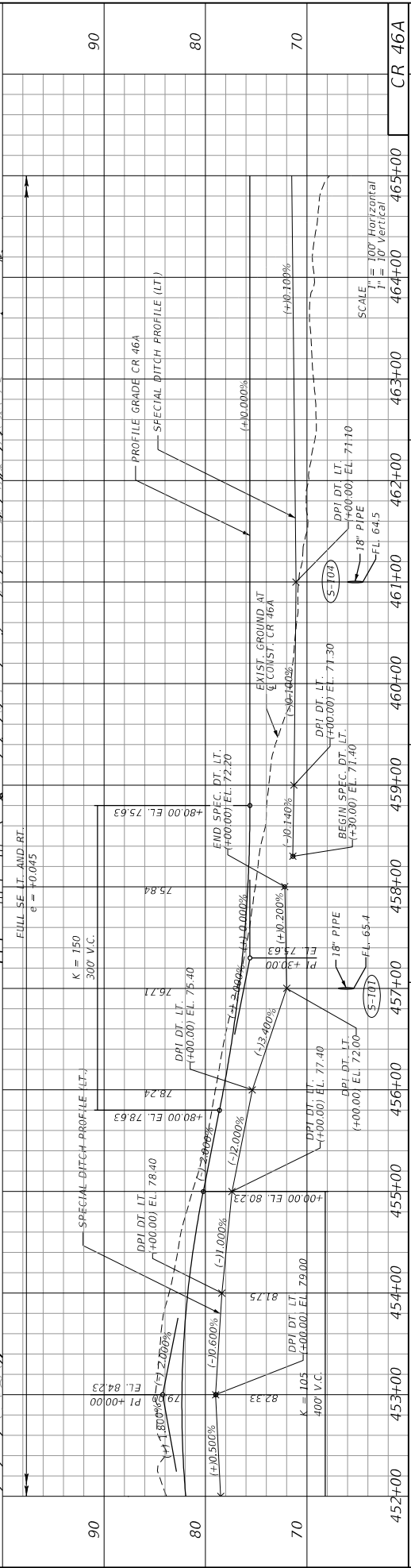
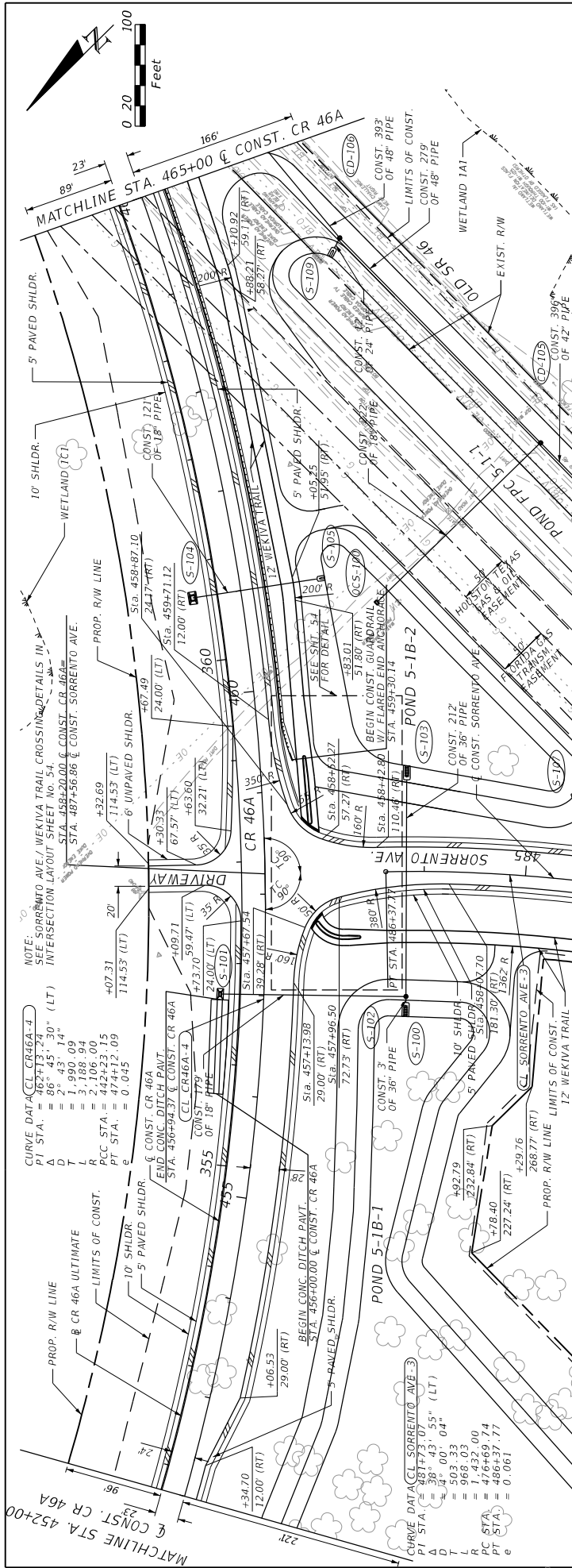
PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36862		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE PROJECT ID 238275-8-52-01
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50	440+00	441+00	442+00	443+00	444+00	445+00	446+00	447+00	448+00	449+00	450+00	451+00	452+00	CR 46A
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SCALE: $\frac{1}{2}'' = 100'$ Horizontal
 $\frac{1}{4}'' = 10'$ Vertical

PLAN AND PROFILE (7)



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

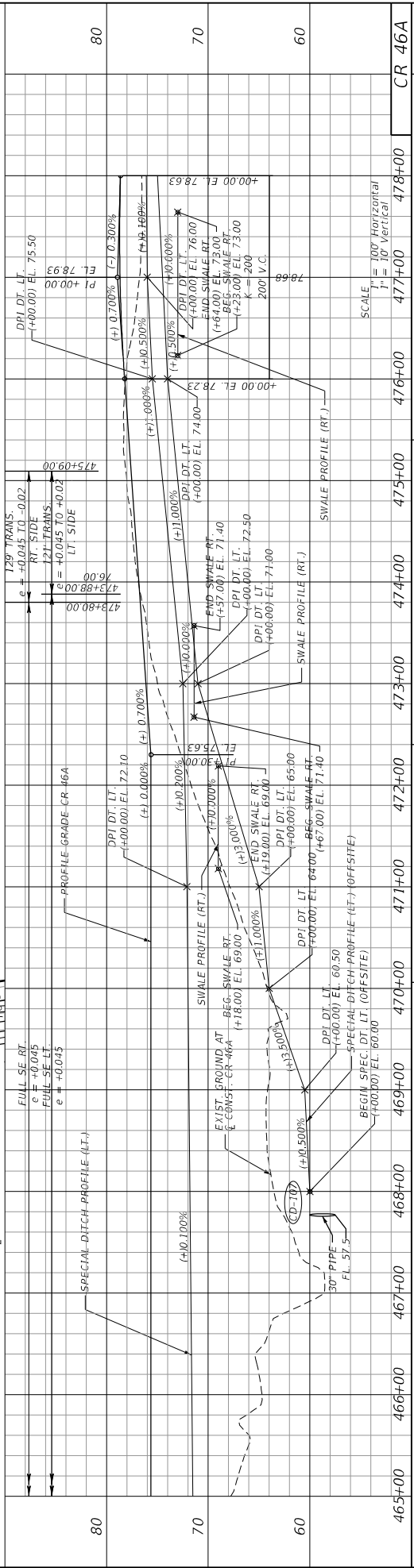
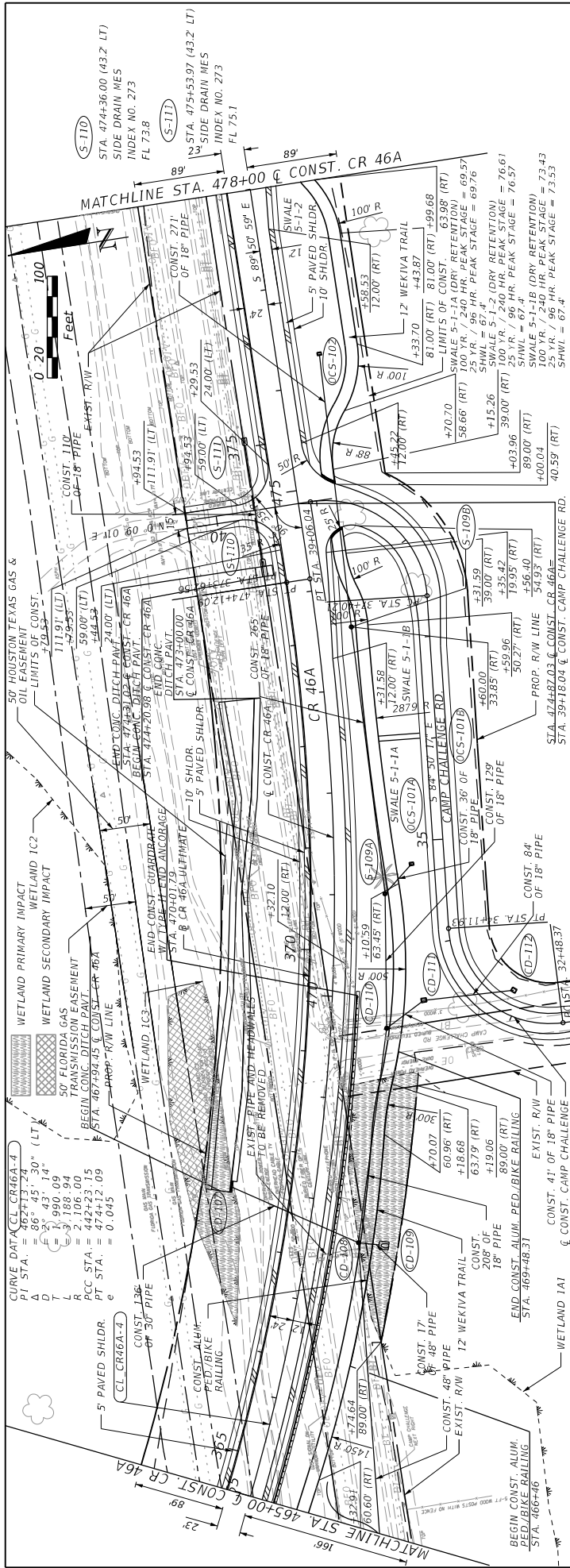
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO. CR 46A	COUNTY LAKE	PROJECT ID 238275-8-52-01
PREPARED BY: COM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36862		DATE 1/14/2015	

PLAN AND PROFILE (8)

STATIONING: 452+00 453+00 454+00 455+00 456+00 457+00 458+00 459+00 460+00 461+00 462+00 463+00 464+00 465+00 CR 46A

90
80
70

41

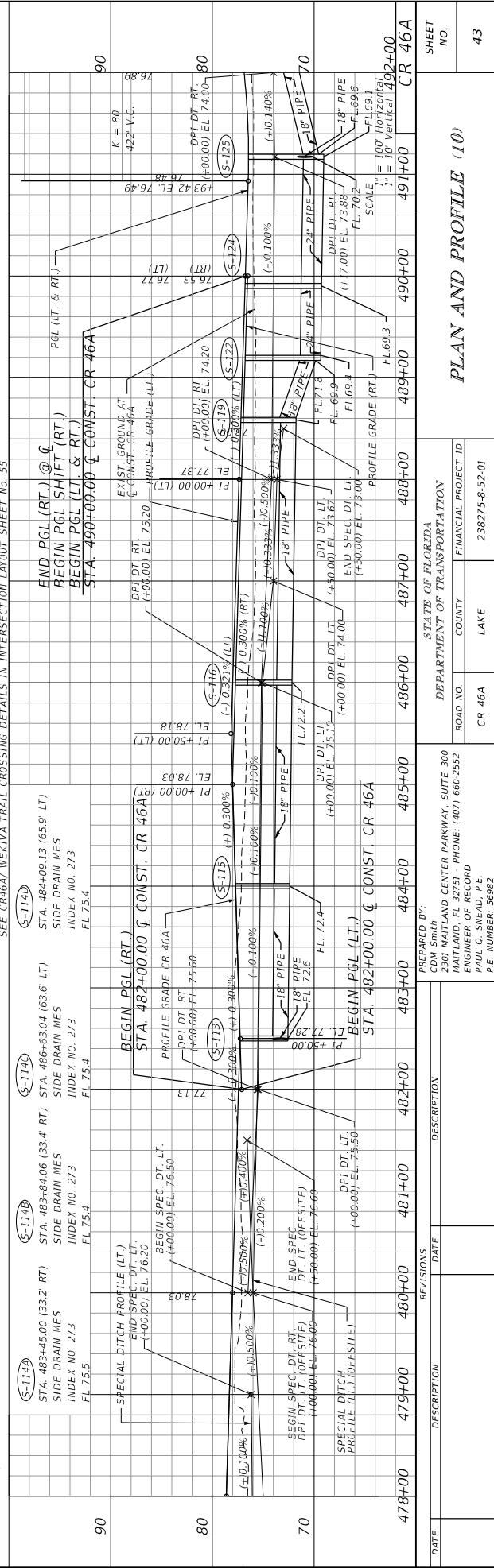
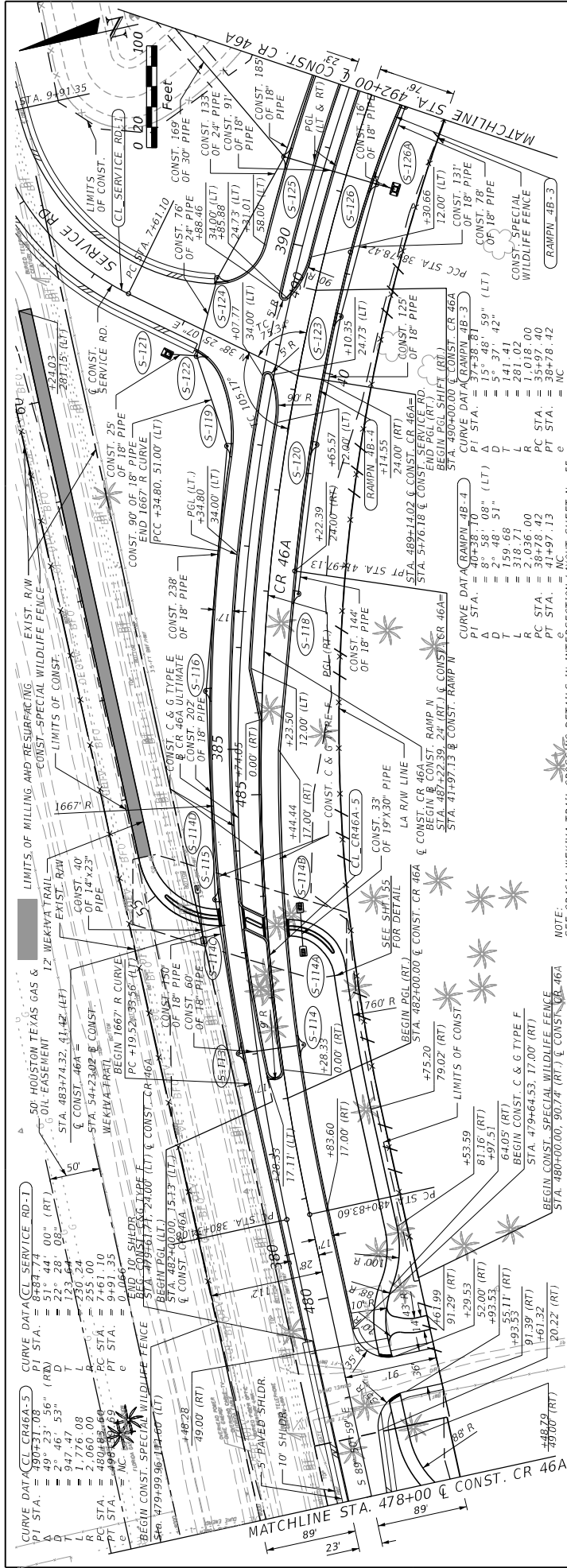


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA		
DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 46A	LAKE	238275-8-52-01

PREPARED BY:	DATE:	SHEET NO.
COM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36862	1/14/2015	42

PLAN AND PROFILE (9)



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

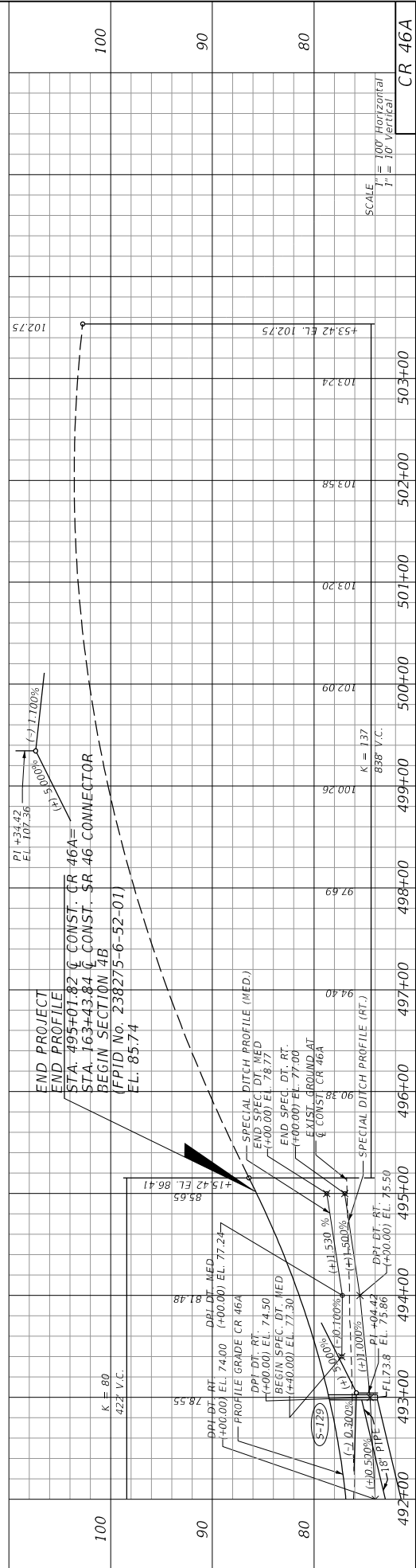
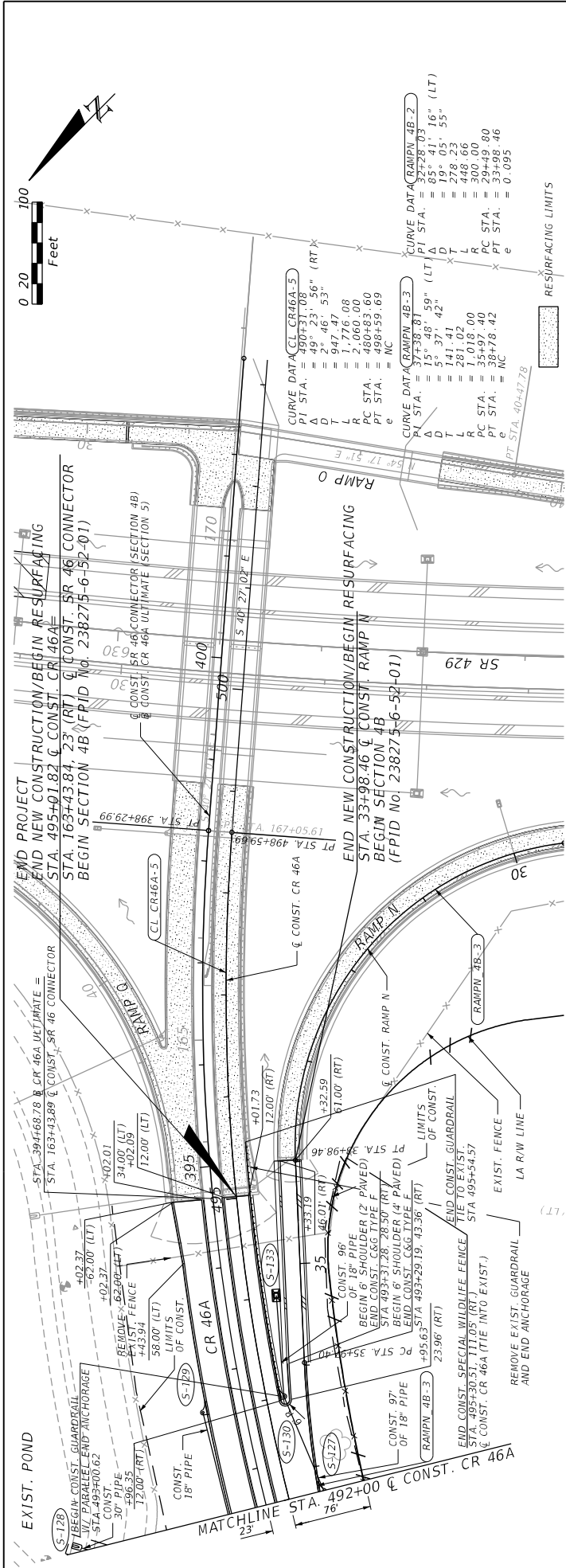
STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
COM SMITH	ROAD NO. CR 46A
2301 MAITLAND CENTER PARKWAY, SUITE 300	COUNTY LAKE
MAITLAND, FL 32751 - PHONE: (407) 660-2552	PROJECT ID 238275-8-52-01
ENGINEER OF RECORD	WHEBERGP
PAUL O. SNEAD, P.E.	1/31/2015
P.E. NUMBER 36982	

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PLAN AND PROFILE (10)

SHEET NO.

43



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

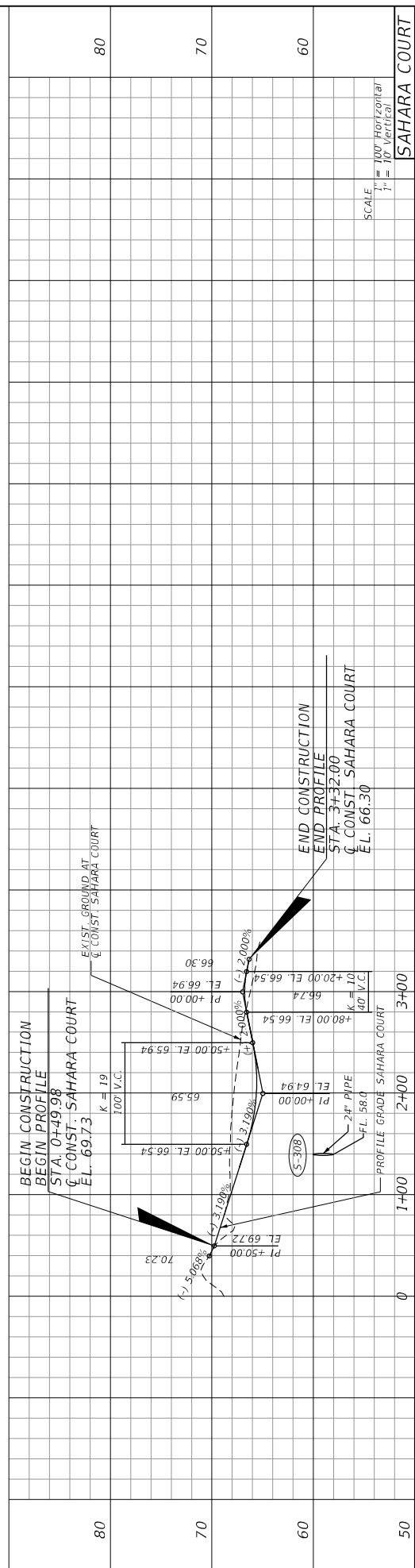
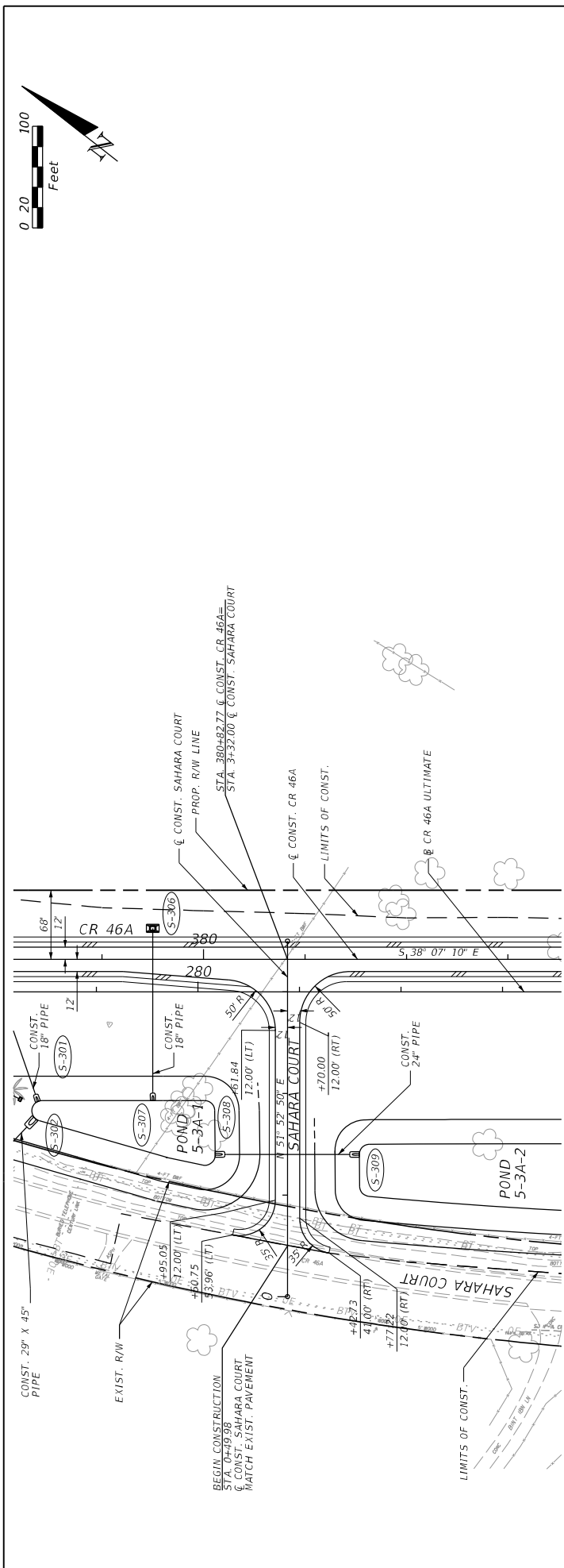
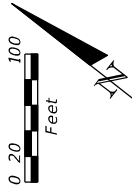
STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. CR 46A	COUNTY LAKE
PROJECT ID 238275-8-52-01	FINANCIAL PROJECT ID

PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	CR 46A	CR 46A
---	--------	--------

STATION	492+00	493+00	494+00	495+00	496+00	497+00	498+00	499+00	500+00	501+00	502+00	503+00	CR 46A
ELEVATION	75.50	75.86	75.50	75.50	75.50	75.50	75.50	75.50	75.50	75.50	75.50	75.50	75.50

100	90	80
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PLAN AND PROFILE (11)

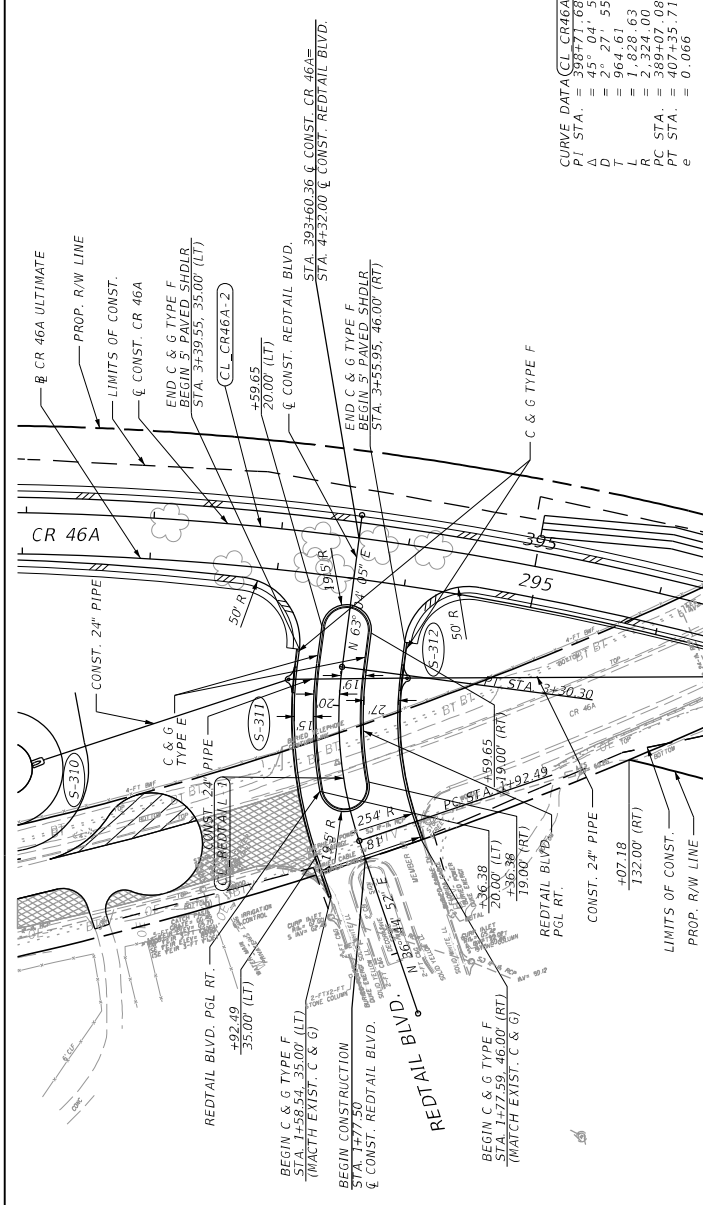
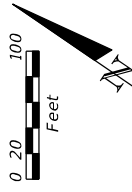


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
2301 MAITLAND CENTER PARKWAY, SUITE 300	ROAD NO. CR 46A
MAITLAND, FL 32751 - PHONE: (407) 660-2552	COUNTY LAKE
ENGINEER OF RECORD	FINANCIAL PROJECT ID 238275-8-52-01
PAUL O. SNEAD, P.E.	
P.E. NUMBER 36982	

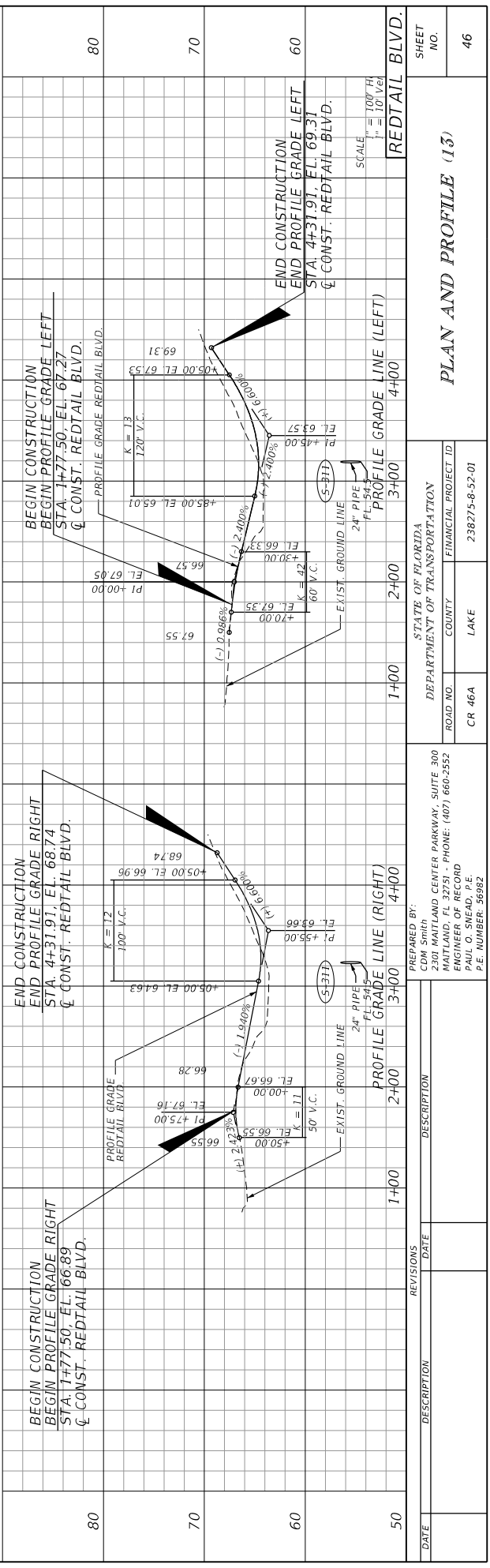
SAHARA COURT	SCALE 1" = 100' Horizontal 1" = 10' Vertical
80	
70	
60	
50	

PLAN AND PROFILE (12)



CURVE DATA (CL CR46A-2)
 P.I. STA. = 3987.71, 68" (RT)
 Δ = 25° 27' 55"
 T = 964.61
 L = 1,828.63
 R = 2,324.00
 PC STA. = 389+07.08
 PT STA. = 407+35.71
 e = 0.066

CURVE DATA (CL REDTAIL-1)
 P.I. STA. = 2462.63
 Δ = 19° 05' 55" (RT)
 T = 70.14
 L = 137.81
 R = 300.00
 PC STA. = 1+92.49
 PT STA. = 3+30.30
 e = NC



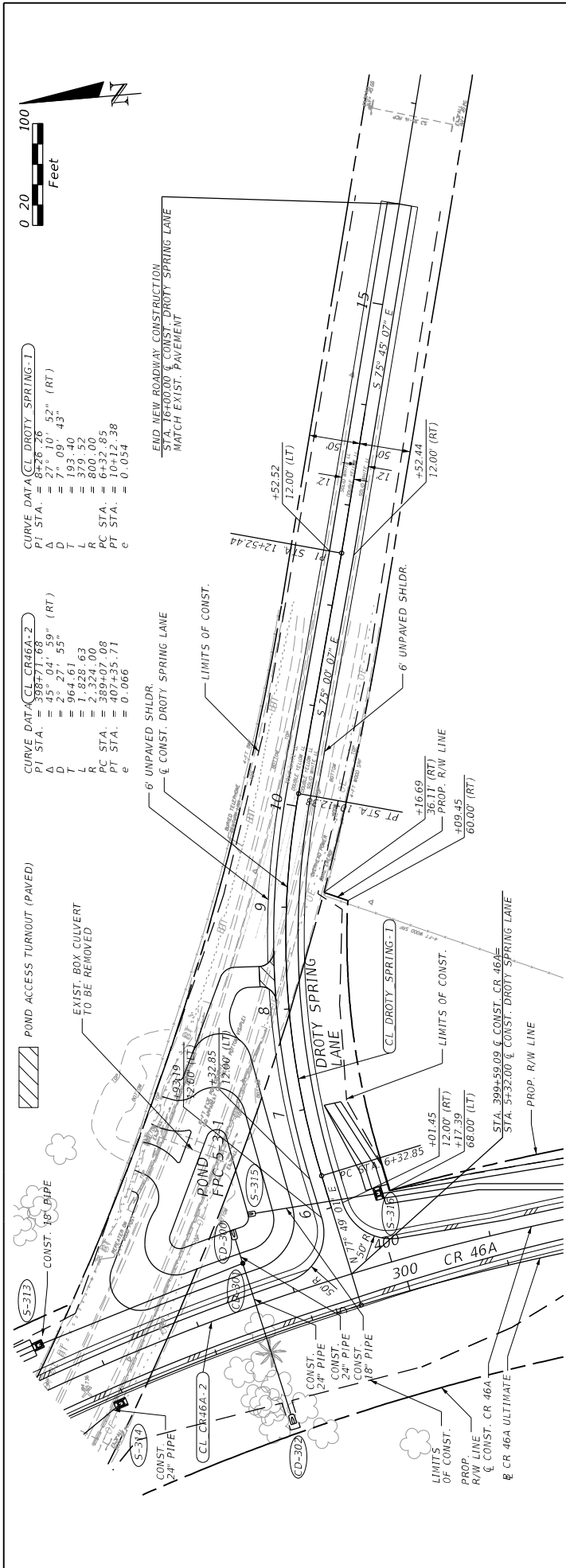
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. CR 46A	LAKE COUNTY
PROJECT NO. 238274-8-52-01	FINANCIAL PROJECT ID

PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36862	PLANNED BY: WHEBERGP
---	-------------------------

PLAN AND PROFILE (15)	SHEET NO. 46
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



CURVE DATA (CL CR46A-2)

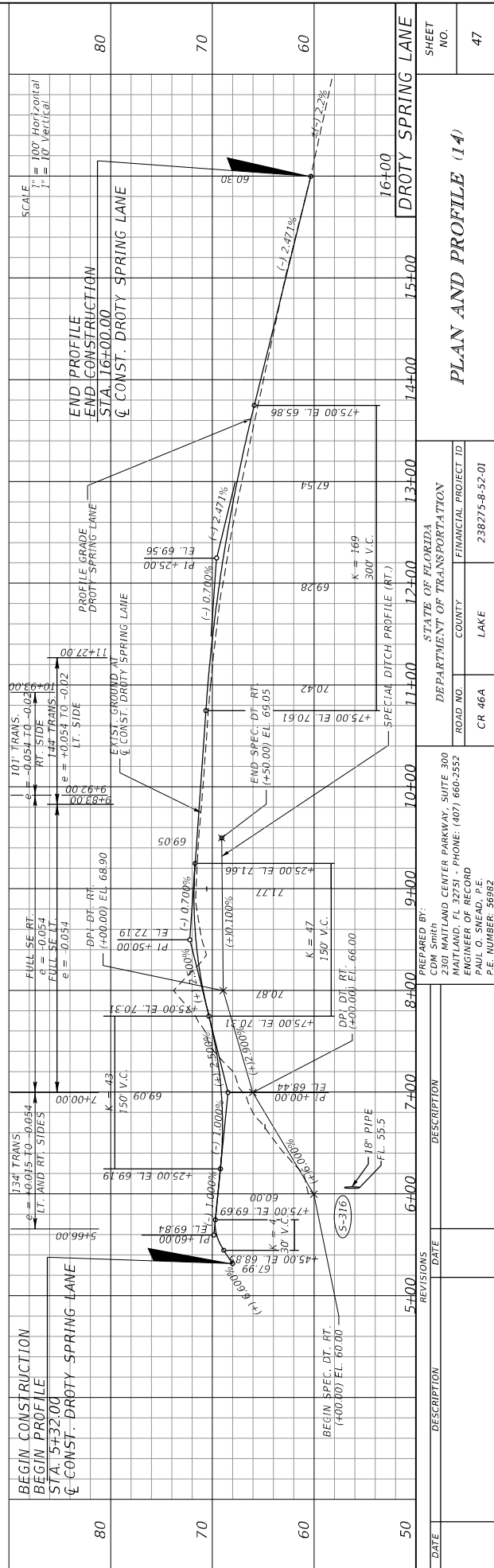
PI STA. = 3957+71.08" (RT)
 P = 23' 09" 55"
 T = 964' 61"
 L = 1,828' 63"
 R = 2,324' 00"
 PC STA. = 389+07.08
 PT STA. = 407+35.71
 e = 0.066

CURVE DATA (CL DROTY SPRING-1)

PI STA. = 5726' 26"
 P = 71' 09" 43" (RT)
 T = 193' 40"
 L = 379' 52"
 R = 800' 00"
 PC STA. = 6+32' 85"
 PT STA. = 0+154'
 e = 0.054

CURVE DATA (CL CR46A-2)

PI STA. = 3957+71.08" (RT)
 P = 23' 09" 55"
 T = 964' 61"
 L = 1,828' 63"
 R = 2,324' 00"
 PC STA. = 389+07.08
 PT STA. = 407+35.71
 e = 0.066

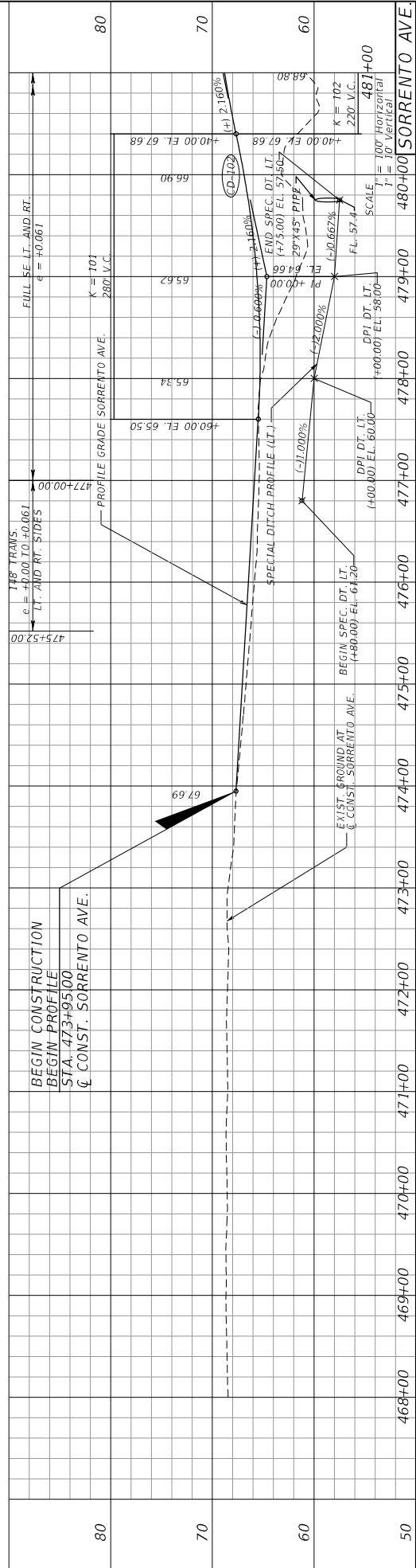
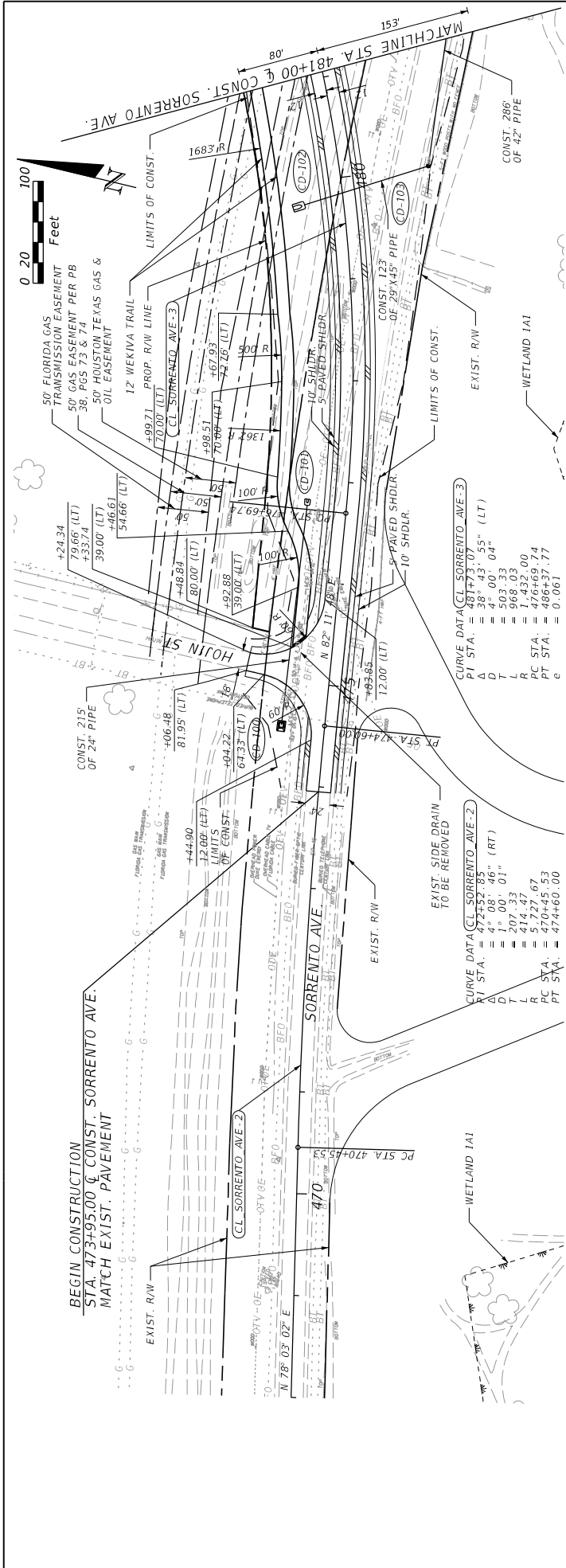


DATE	REVISIONS	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
2301 MAILLAND CENTER PARKWAY, SUITE 300	ROAD NO. CR 46A
MAITLAND, FL 32751 - PHONE: (407) 660-2552	FINANCIAL PROJECT ID 238275-8-52-01
ENGINEER OF RECORD	LAKE
PAUL O. SNEAD, P.E.	
P.E. NUMBER: 36982	

PREPARED BY:	CDM Smith
DATE:	11/14/2015
PROJECT:	131758 PW
FILE:	G:\Projects\CR46A_Improvement\382758201\roadway\PRD14.dgn

SHEET NO.	47
PLAN AND PROFILE (14)	



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

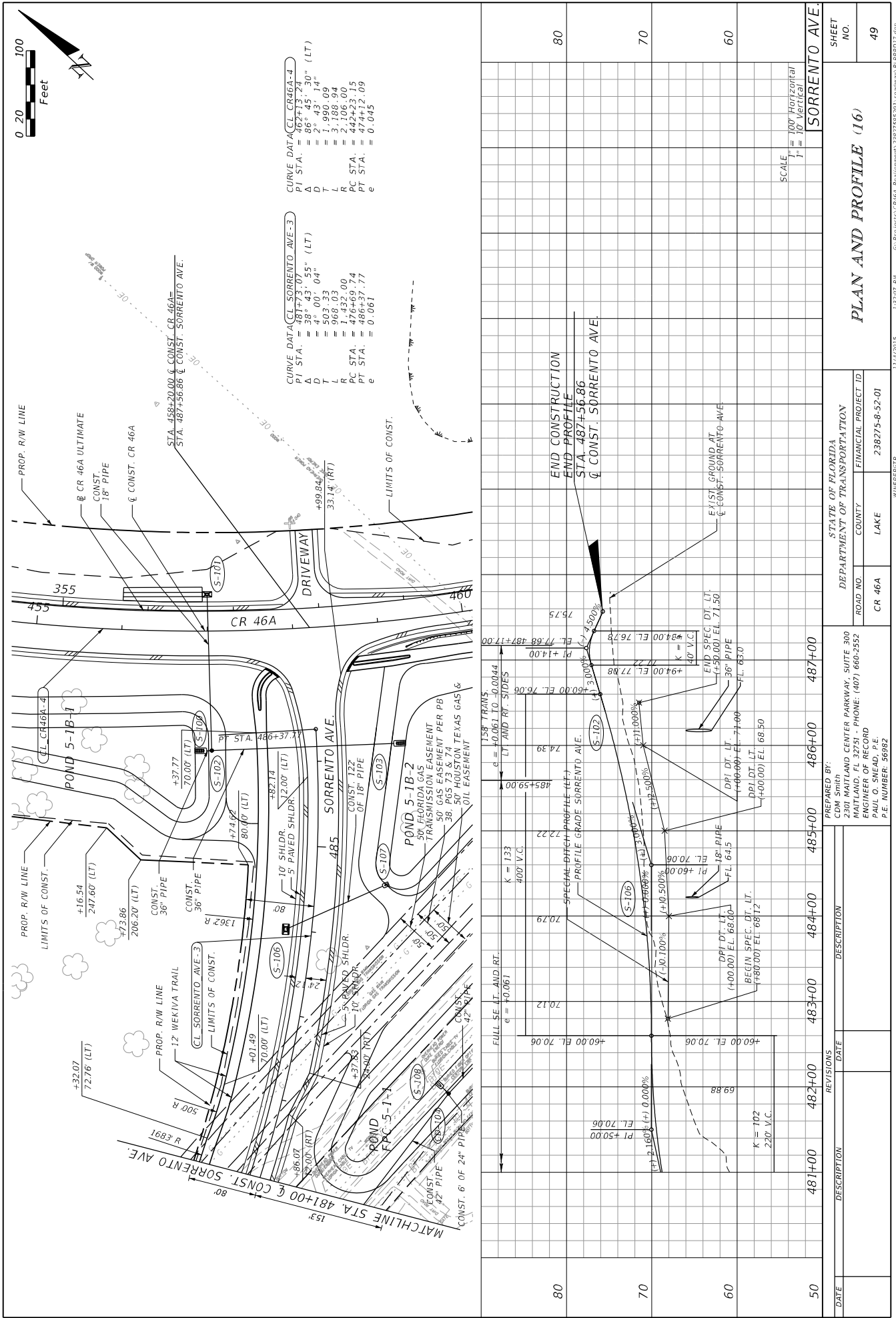
PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36862	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	COUNTY LAKE	FINANCIAL PROJECT ID 238275-8-52-01
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY LAKE PROJECT ID 238275-8-52-01	PROJECT NO. 135202-PAV DATE 11/14/2015	SHEET NO. 48
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PLAN AND PROFILE (15)



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

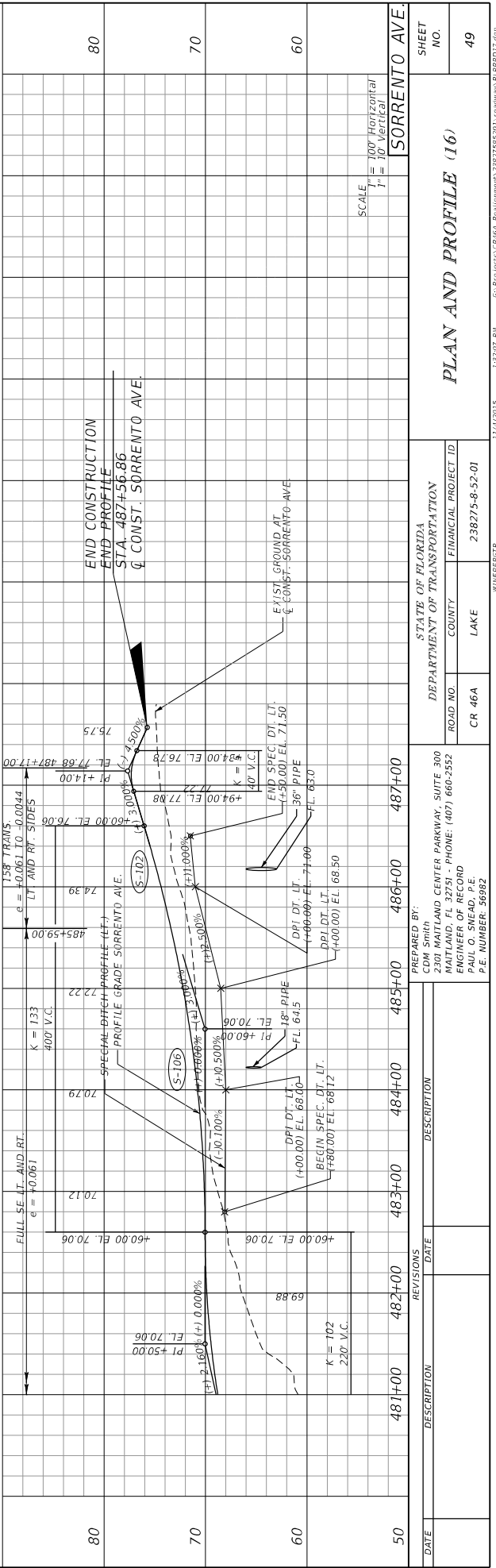


CURVE DATA (CL CR 46A-4)

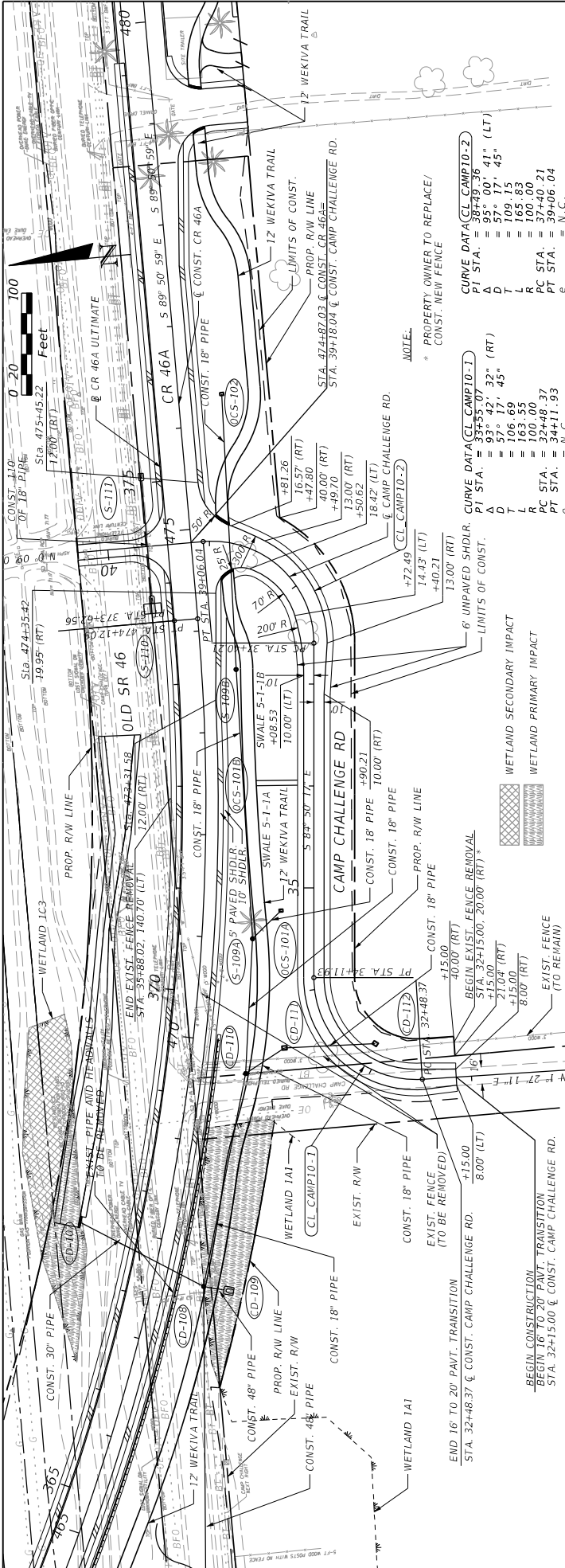
PI STA.	= 462+43.20" (LT)
D	= 26' 43.14"
T	= 1,990.09
L	= 3,188.94
R	= 2,106.00
PC STA.	= 442+23.15
PT STA.	= 0+045

CURVE DATA (CL SORRENTO AVE-3)

PI STA.	= 381+73.055" (LT)
D	= 48' 00.04"
T	= 503.33
L	= 968.03
R	= 1,432.00
PC STA.	= 470+69.74
PT STA.	= 01061



DATE	REVISIONS	DESCRIPTION	STATE OF FLORIDA
			DEPARTMENT OF TRANSPORTATION
		ROAD NO. CR 46A	FINANCIAL PROJECT ID 238275-8-52-01
			LAKE
			PREPARED BY: COM Smith 2301 MAILAND CENTER PARKWAY, SUITE 300 MAILAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982
			DATE
			DATE
50			481+00 482+00 483+00 484+00 485+00 486+00 487+00
60			EXIST. GROUND AT Q CONST. SORRENTO AVE.
70			END CONSTRUCTION END PROFILE STA. 487+56.86 Q CONST. SORRENTO AVE.
80			
		SCALE	HORIZONTAL 1" = 10'
			VERTICAL 1" = 10'
			SORRENTO AVE.
SHEET NO. 49			
11/4/2015 1:52:07 PM C:\Projects\CR46A_Improvement\328275\201 Roadway\PLAN07.dwg WHEBER@TP			



NOTE.
 * PROPERTY OWNER TO REPLACE/
 CONST. NEW FENCE

WETLAND SECONDARY IMPACT
WETLAND PRIMARY IMPACT

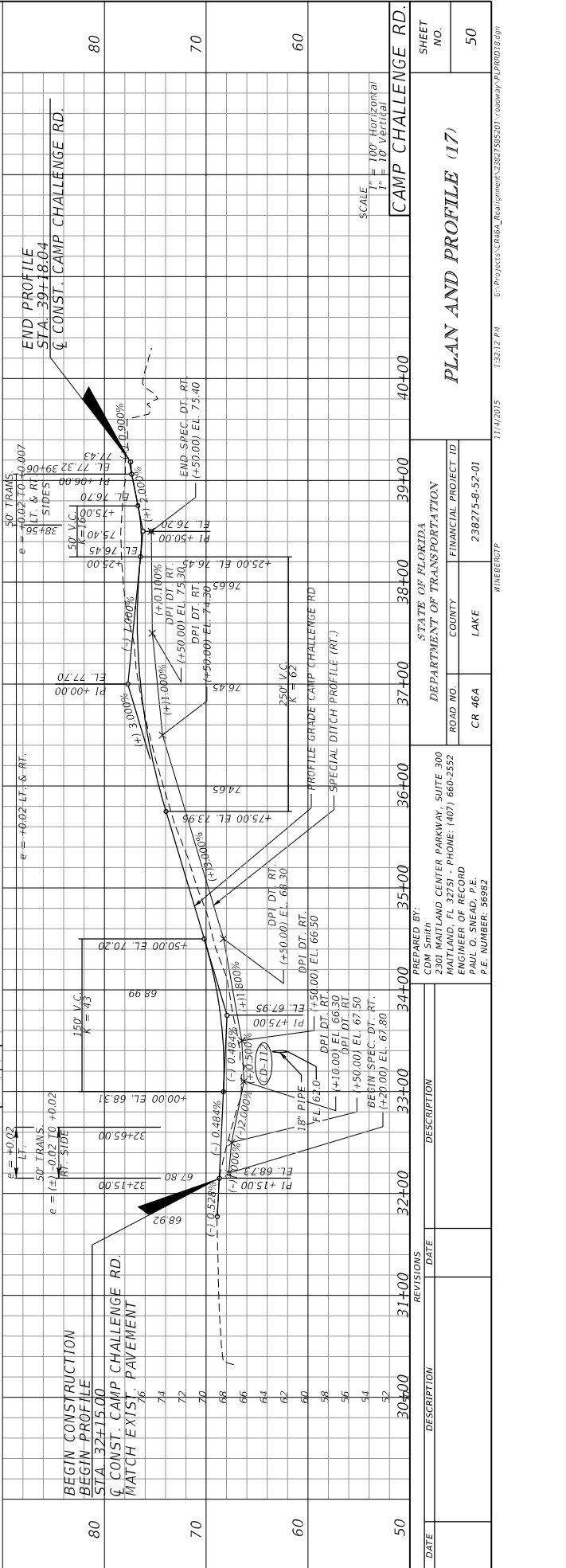
CURVE DATA (CL CAMP10-2)
 PI STA. = 38+19.36
 Δ = 95° 00' 41" (LT)
 D = 57° 17' 45"
 T = 165.85
 L = 100.00
 PC STA. = 37+40.21
 PT STA. = 39+06.04

CURVE DATA (CL CAMP10-1)
 PI STA. = 35+55.07
 Δ = 93° 42' 32" (RT)
 D = 57° 17' 45"
 T = 106.69
 L = 163.55
 PC STA. = 34+48.37
 PT STA. = 36+11.93

END 16 TO 20 PAVT. TRANSITION
 STA. 32+48.37 & CONST. CAMP CHALLENGE RD.
 8.00' (LT)
 +15.00'

BEGIN CONSTRUCTION
 BEGIN 16 TO 20 PAVT. TRANSITION
 STA. 32+15.00 & CONST. CAMP CHALLENGE RD.

BEGIN PROFILE
 STA. 39+18.04 & CONST. CAMP CHALLENGE RD.



SCALE: 1" = 100' Horizontal
 1" = 10' Vertical

REVISIONS

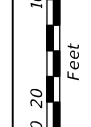
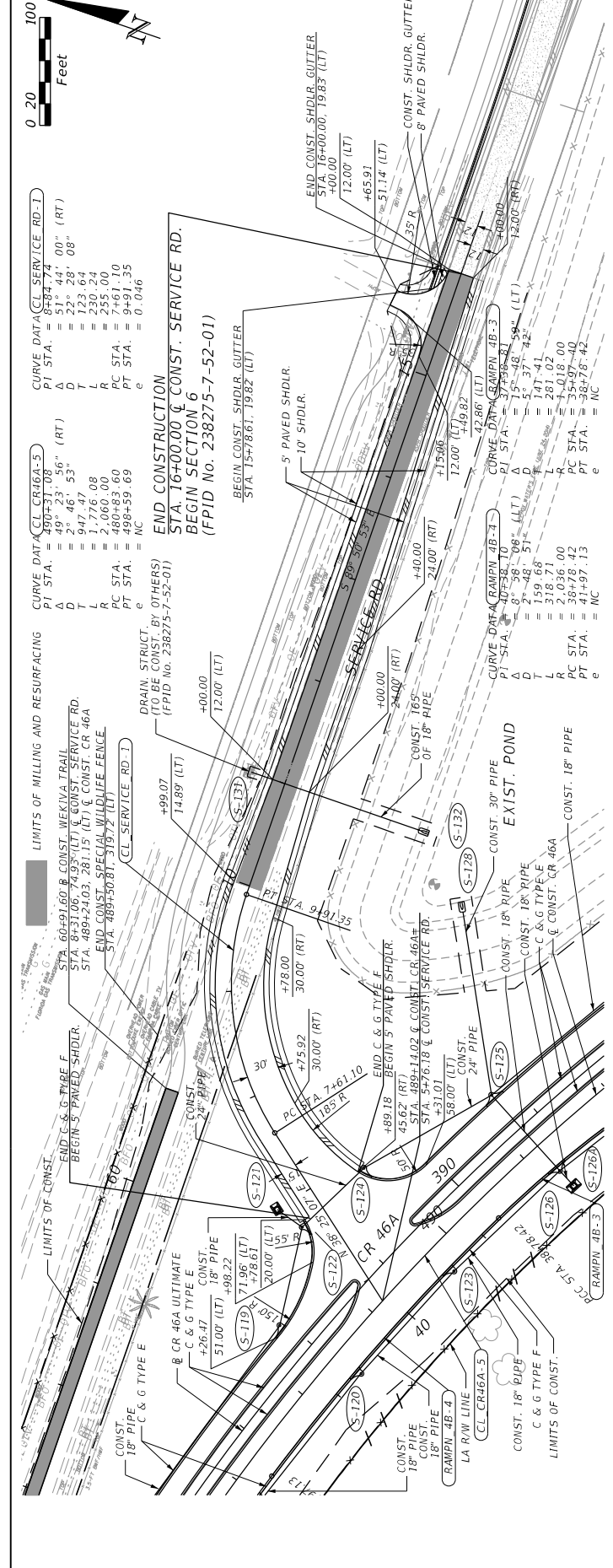
NO.	DATE	DESCRIPTION
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2		
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15		
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17		
18		
19		
20		

PREPARED BY:
 CDM Smith
 2301 MATLAND CENTER PARKWAY, SUITE 300
 MATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36862

DEPARTMENT OF TRANSPORTATION
 STATE OF FLORIDA

ROAD NO.	COUNTY	PROJECT ID
CR 46A	LAKE	238275-8-52-01

PLAN AND PROFILE (17)



CURVE DATA (CL SERVICE RD-1)
 PI STA. = 8484.74
 P STA. = 22° 28' 08" (RT)
 D = 123.64
 T = 230.24
 L = 255.00
 PC STA. = 7461.10
 PT STA. = 8016.35
 e = 0.046

CURVE DATA (CL CR16A-3)
 PI STA. = 4003.18
 P STA. = 29° 46' 53" (RT)
 D = 947.47
 T = 1,776.08
 L = 2,060.00
 PC STA. = 480+83.60
 PT STA. = 608+59.69
 e = NC

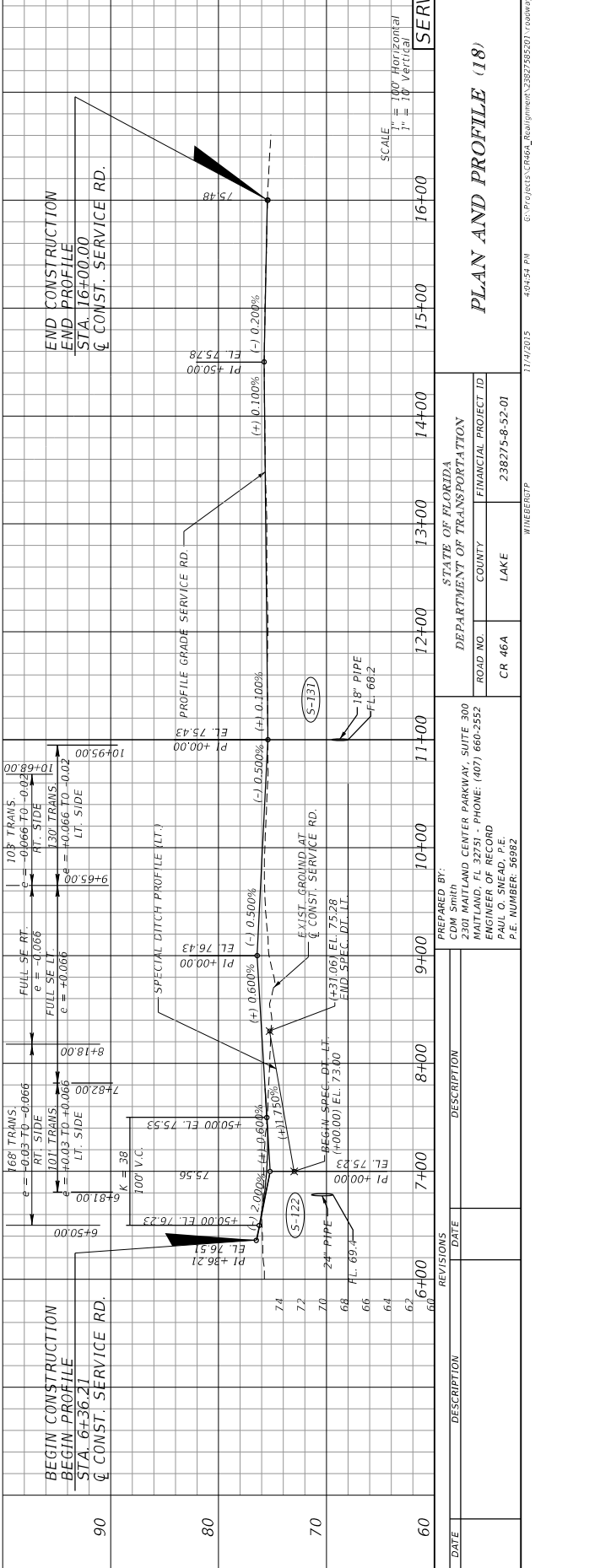
CURVE DATA (RAMPY 4B-3)
 PI STA. = 8° 38' 08" (LT)
 P STA. = 2° 48' 51"
 D = 141.41
 T = 159.68
 L = 318.71
 PC STA. = 2,036.00
 PT STA. = 2141.97
 e = NC

CURVE DATA (RAMPY 4B-4)
 PI STA. = 8° 38' 08" (LT)
 P STA. = 2° 48' 51"
 D = 141.41
 T = 159.68
 L = 318.71
 PC STA. = 2,036.00
 PT STA. = 2141.97
 e = NC

CURVE DATA (RAMPY 4B-5)
 PI STA. = 7° 48' 59" (LT)
 P STA. = 5° 37' 42"
 D = 120.00 (RT)
 T = 120.00 (RT)
 L = 120.00 (RT)
 PC STA. = 465.91
 PT STA. = 571.14 (LT)
 e = NC

CURVE DATA (RAMPY 4B-6)
 PI STA. = 7° 48' 59" (LT)
 P STA. = 5° 37' 42"
 D = 120.00 (RT)
 T = 120.00 (RT)
 L = 120.00 (RT)
 PC STA. = 465.91
 PT STA. = 571.14 (LT)
 e = NC

CURVE DATA (RAMPY 4B-7)
 PI STA. = 7° 48' 59" (LT)
 P STA. = 5° 37' 42"
 D = 120.00 (RT)
 T = 120.00 (RT)
 L = 120.00 (RT)
 PC STA. = 465.91
 PT STA. = 571.14 (LT)
 e = NC



SCALE
 1" = 100' Horizontal
 1" = 10' Vertical

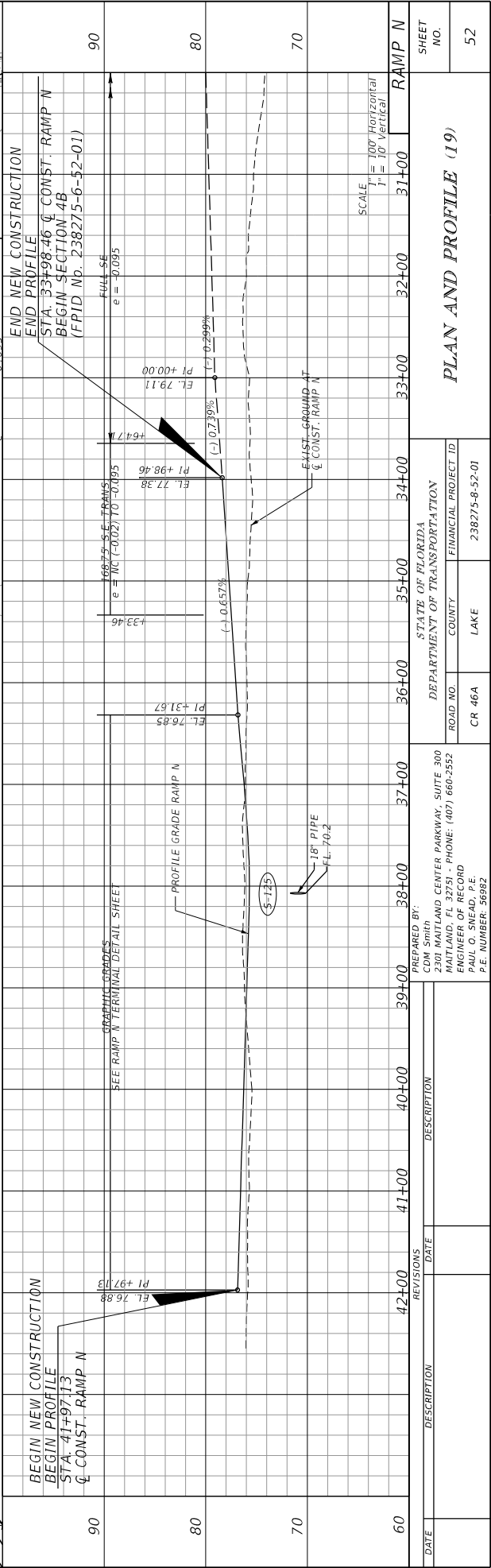
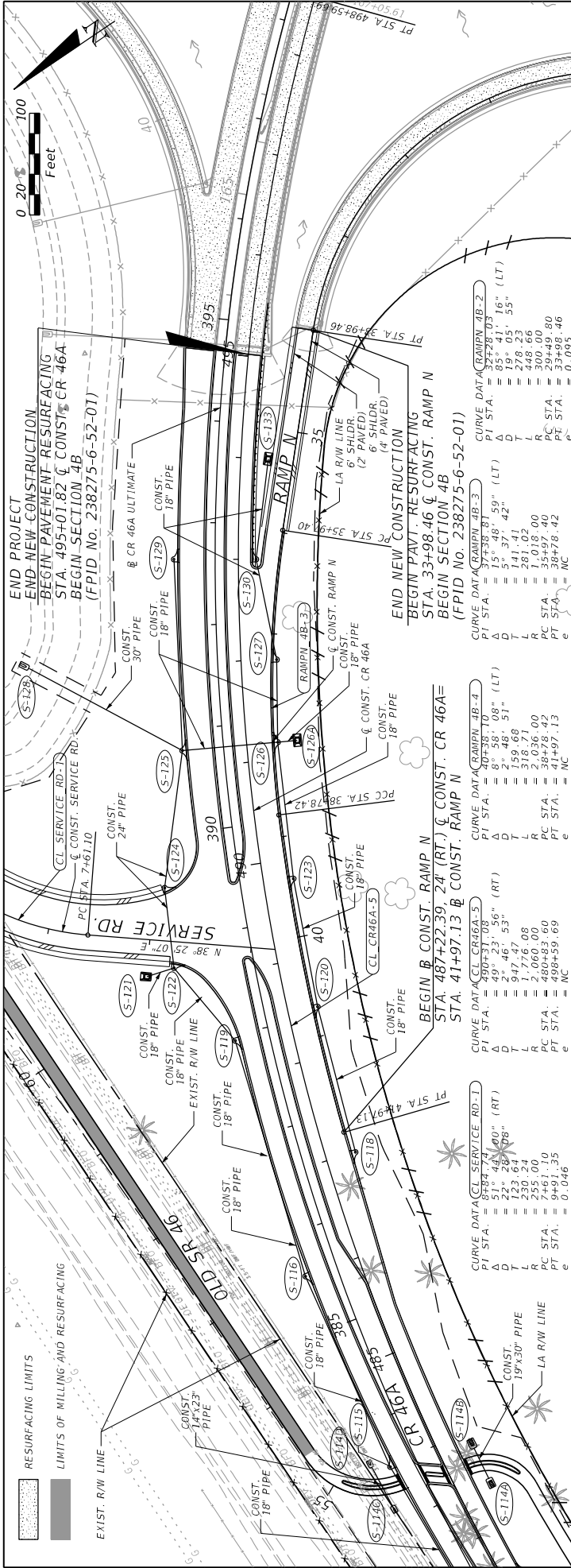
DATE	DESCRIPTION	DATE	REVISIONS

PREPARED BY:
 CDM Smith
 2301 MAILLAND CENTER PARKWAY, SUITE 300
 MAILLAND, FL 32251 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	CR 46A
COUNTY	LAKE
FINANCIAL PROJECT ID	238275-8-52-01

PLAN AND PROFILE (18)		SHEET NO.
		51
11/14/2015	4:05:45 PM	G:\Projects\CR46a_Improvement\3827585201\ roadway\PLAN AND PROFILE.dwg

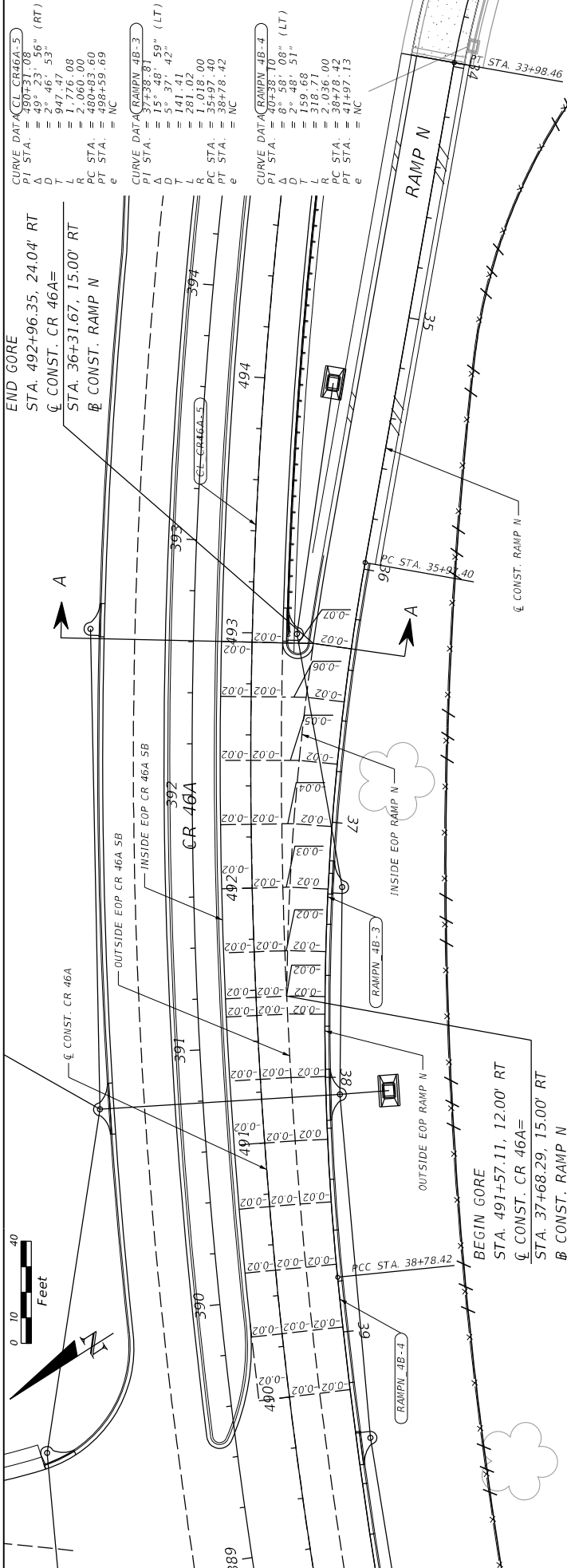


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
2301 MAILLAND CENTER PARKWAY, SUITE 300	ROAD NO. CR 46A
MAITLAND, FL 32751 - PHONE: (407) 660-2552	COUNTY LAKE
ENGINEER OF RECORD	PROJECT ID 238275-8-52-01
PAUL O. SNEAD, P.E.	LAKE
P.E. NUMBER 36982	

PREPARED BY:	COM Smith
DATE:	11/14/2015

PLAN AND PROFILE (19)	135223.PN
	G:\Projects\CR46A_Improvement\382756201\ roadway\PLAN020.dgn



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
78				
76				
74				
	39+42.76 490+00		37+46.20 492+00	
	36+24.26 491+00		493+00	

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
78				
76				
74				

SECTION A-A

SCALE: 1" = 40' HORIZONTAL, 1" = 2' VERTICAL

RAMP TERMINAL DETAIL

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO. CR 46A
 COUNTY LAKE
 PROJECT ID 238275-8-52-01

PREPARED BY:
 COM Smith
 2301 MATLAND CENTER PARKWAY, SUITE 300
 MATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

DATE DESCRIPTION REVISIONS DATE DESCRIPTION

39+42.76
490+00

37+46.20
492+00

493+00

78

76

74

SHEET NO. 53

11/4/2015 1:52:29 PM C:\Projects\CR46A_Requirement\3827585201\ roadway\PLAN0021.DGN

CURVE DATA (WEKIVA-1)
 PI STA. = 7+483.29" (RT)
 Δ = 0° 30' 00"
 D = 765.29'
 T = 1,528.31'
 L = 11,459.00'
 R C STA. = 10+00.00'
 PT STA. = 2+28.31'
 e = RC

CURVE DATA (WEKIVA-2)
 PI STA. = 6+740.339"
 Δ = 72° 06' 39" (RT)
 D = 509.00'
 T = 5,005.51'
 L = 6,825.49'
 R C STA. = 590+97.88'
 PT STA. = 677+51.19'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 7+483.29" (RT)
 Δ = 0° 30' 00"
 D = 765.29'
 T = 1,528.31'
 L = 11,459.00'
 R C STA. = 10+00.00'
 PT STA. = 2+28.31'
 e = RC

CURVE DATA (RAMPN-2)
 PI STA. = 36+74.50"
 Δ = 9° 25' 20" (RT)
 D = 151.33'
 T = 374.97'
 L = 415.00'
 R C STA. = 32+99.54'
 PT STA. = 40+47.78'
 e = 0.027

CURVE DATA (RAMPN-1)
 PI STA. = 20+25.27" (RT)
 Δ = 0° 56' 09"
 D = 1,103.11'
 T = 2,182.80'
 L = 6,123.00'
 R C STA. = 16+58.11'
 PT STA. = 0+036'
 e = 0.036

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032

CURVE DATA (RAMPN-1)
 PI STA. = 29+49.84"
 Δ = 5° 52' 54" (RT)
 D = 0° 50' 25"
 T = 350.31'
 L = 6,819.00'
 R C STA. = 25+99.54'
 PT STA. = 32+99.54'
 e = 0.032



DATE	DESCRIPTION	REVISIONS

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
LAKE COUNTY	CR 46A
FINANCIAL PROJECT ID	238275-8-52-01

PREPARED BY: CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 26882

SR 429
 MATCHLINE STA 622+00
 PT STA 25+28.31
 RAMP N 25
 RAMP N
 RAMP O
 RAMPN-1
 RAMPN-2
 RAMPN-3
 RAMPN-4

RESURFACING LIMITS
 END RESURFACING STA 18+39.97
 BEGIN RESURFACING STA 32+99.54

LEGEND:
 RESURFACING LIMITS

SR 429
 RAMP N 25
 RAMP N
 RAMP O
 RAMPN-1
 RAMPN-2
 RAMPN-3
 RAMPN-4

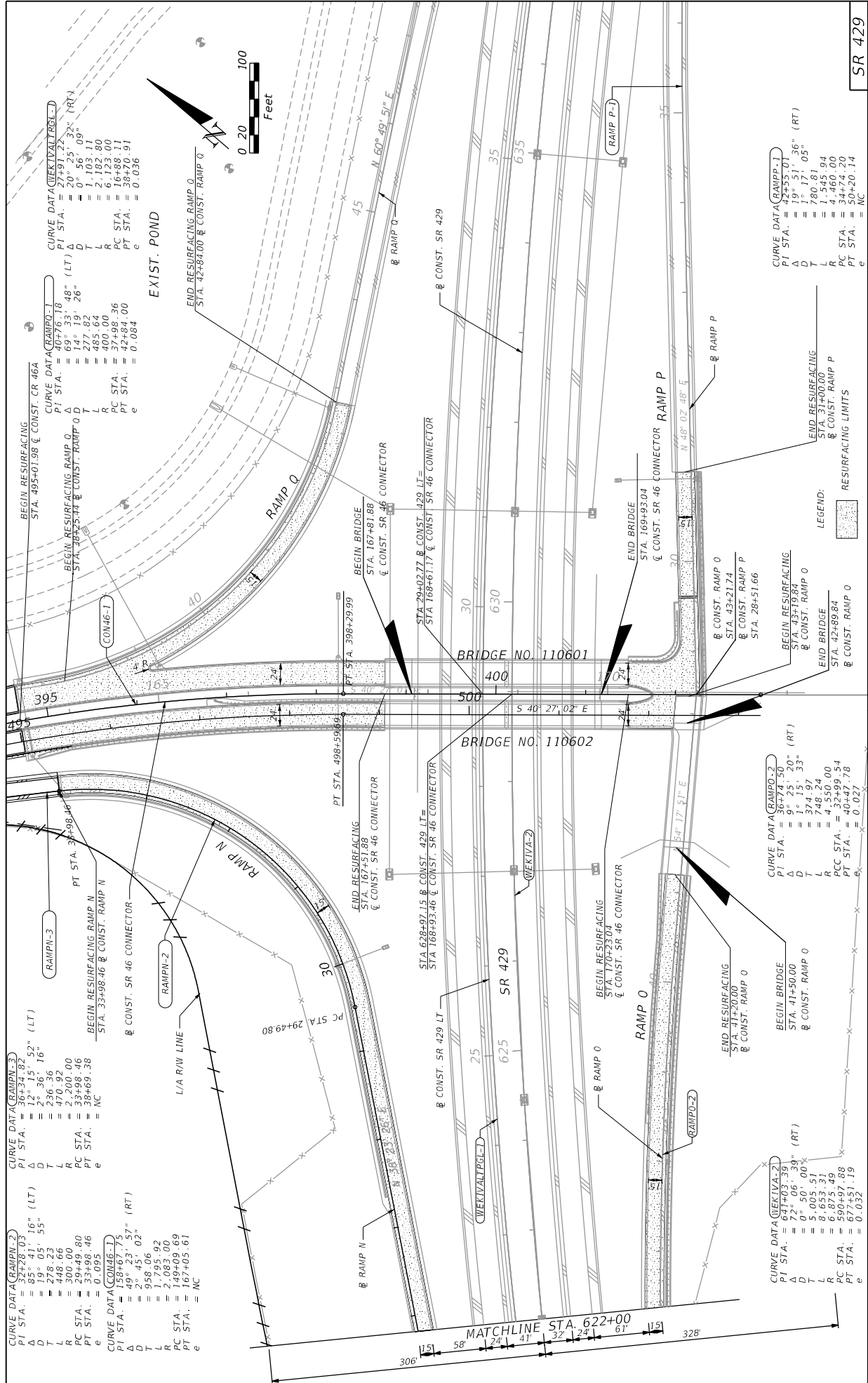
SR 429
 RAMP N 25
 RAMP N
 RAMP O
 RAMPN-1
 RAMPN-2
 RAMPN-3
 RAMPN-4

SR 429
 RAMP N 25
 RAMP N
 RAMP O
 RAMPN-1
 RAMPN-2
 RAMPN-3
 RAMPN-4

SR 429
 RAMP N 25
 RAMP N
 RAMP O
 RAMPN-1
 RAMPN-2
 RAMPN-3
 RAMPN-4

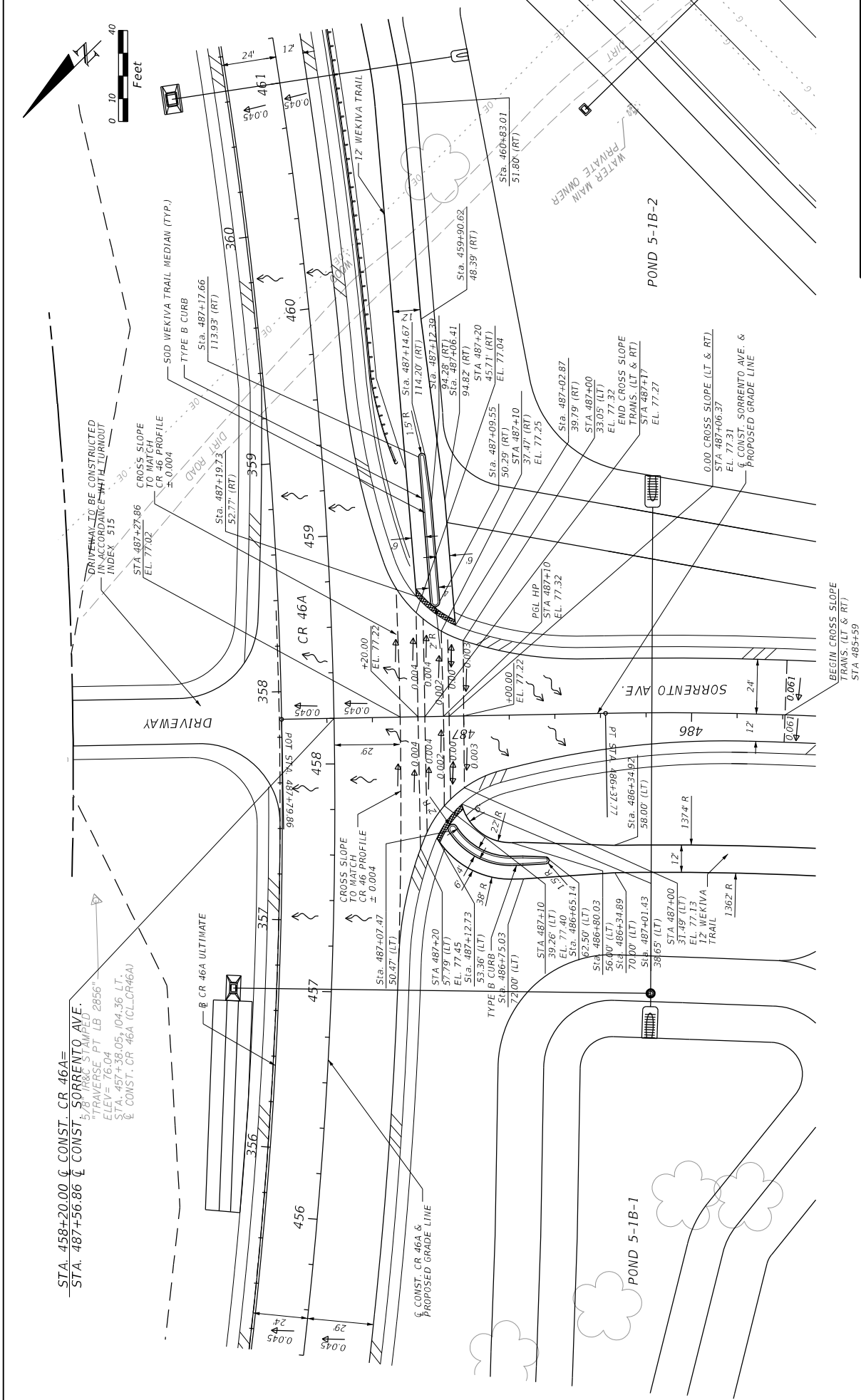
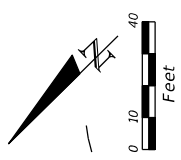
SR 429
 RAMP N 25
 RAMP N
 RAMP O
 RAMPN-1
 RAMPN-2
 RAMPN-3
 RAMPN-4

SR 429
 RAMP N 25
 RAMP N
 RAMP O
 RAMPN-1
 RAMPN-2
 RAMPN-3
 RAMPN-4



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982				
DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01				
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT NO. SR 429 SHEET NO. 55 PLAN SHEET (2)				

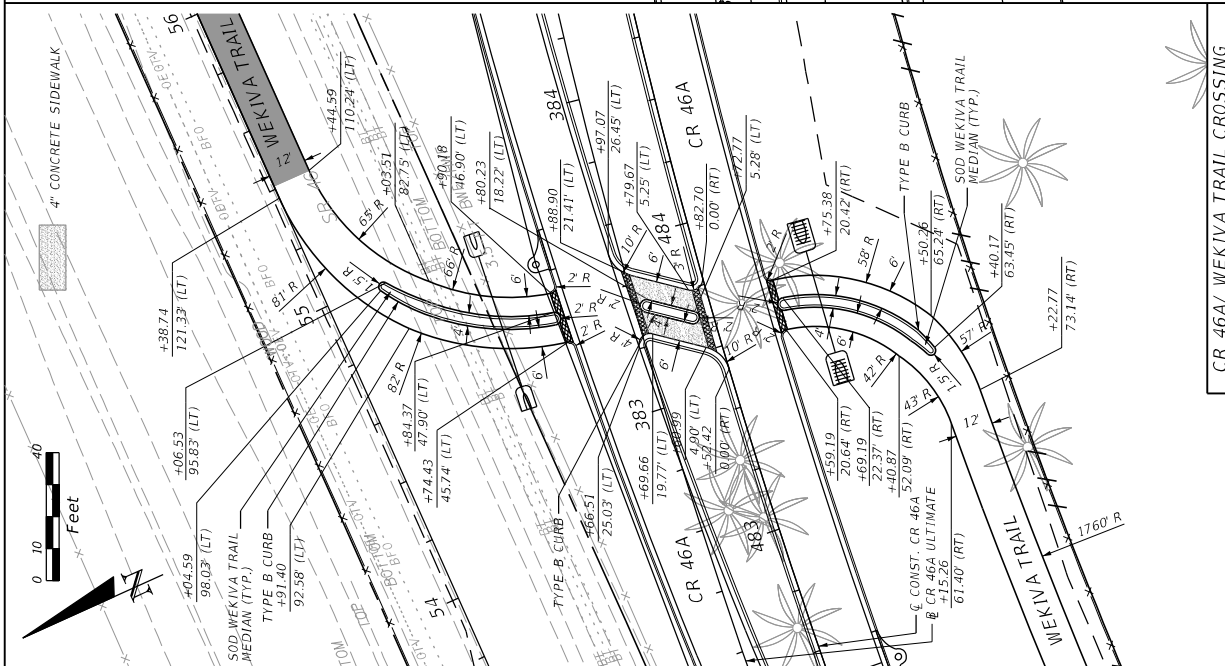
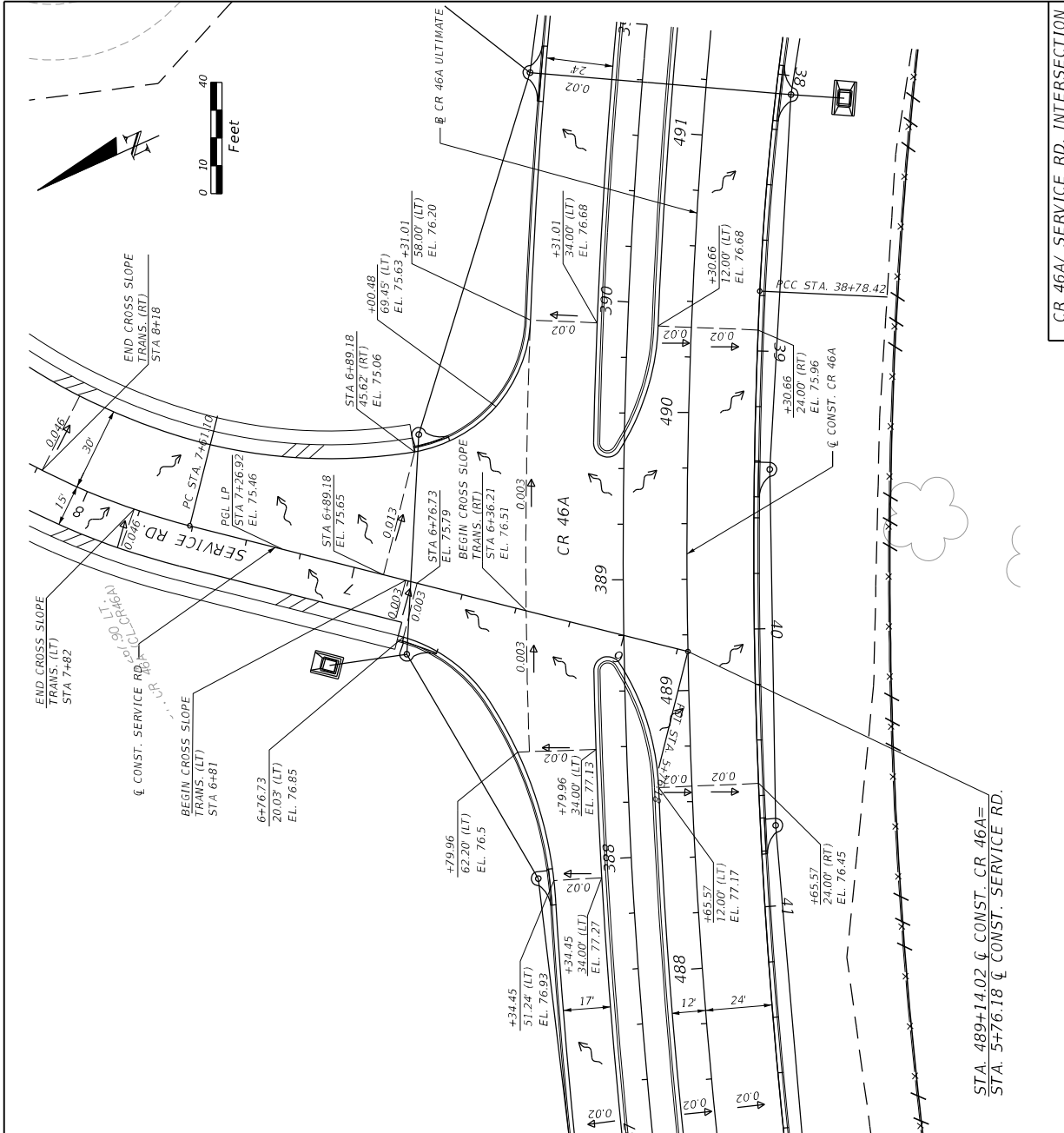
STA. 458+20.00 C CONST. CR 46A=
 STA. 487+56.86 C CONST. SORRENTO AVE.
 5.78% & 8.8% STAIRPLED
 *TRAVERSE PT LB 2856-
 ELEV= 76.04
 STA. 457+38.05+104.36 LT.
 C CONST. CR 46A (CL-CR46A)



DATE		REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30882		DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01		STATE OF FLORIDA INTERSECTION LAYOUT SHEET NO. 56	
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11/17/2015 4:18:03 PM C:\Projects\CR46A_Realignm\2382758201\ roadway\INTDIB001.DWG

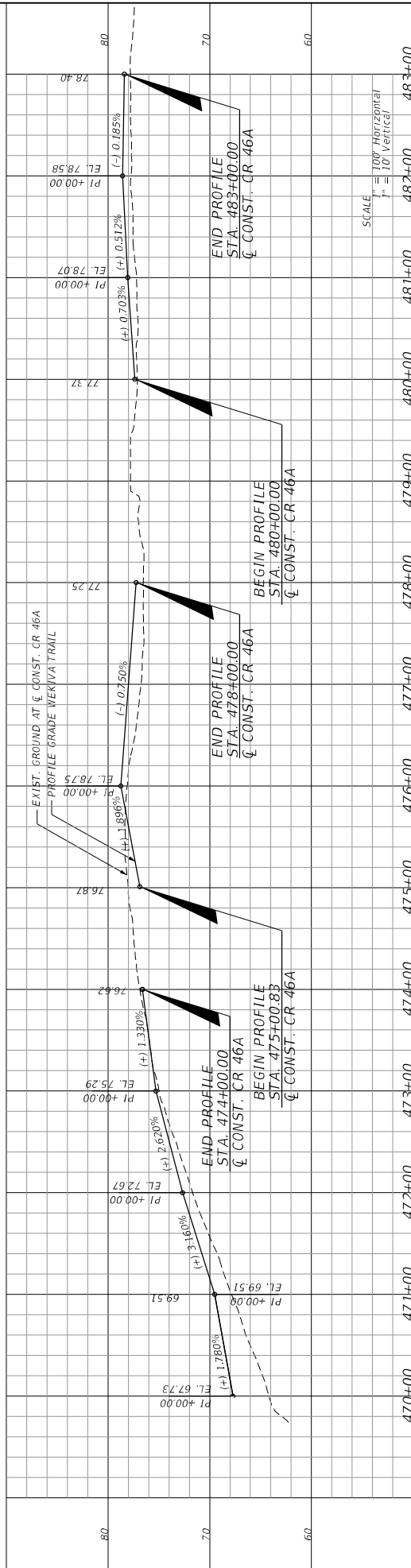
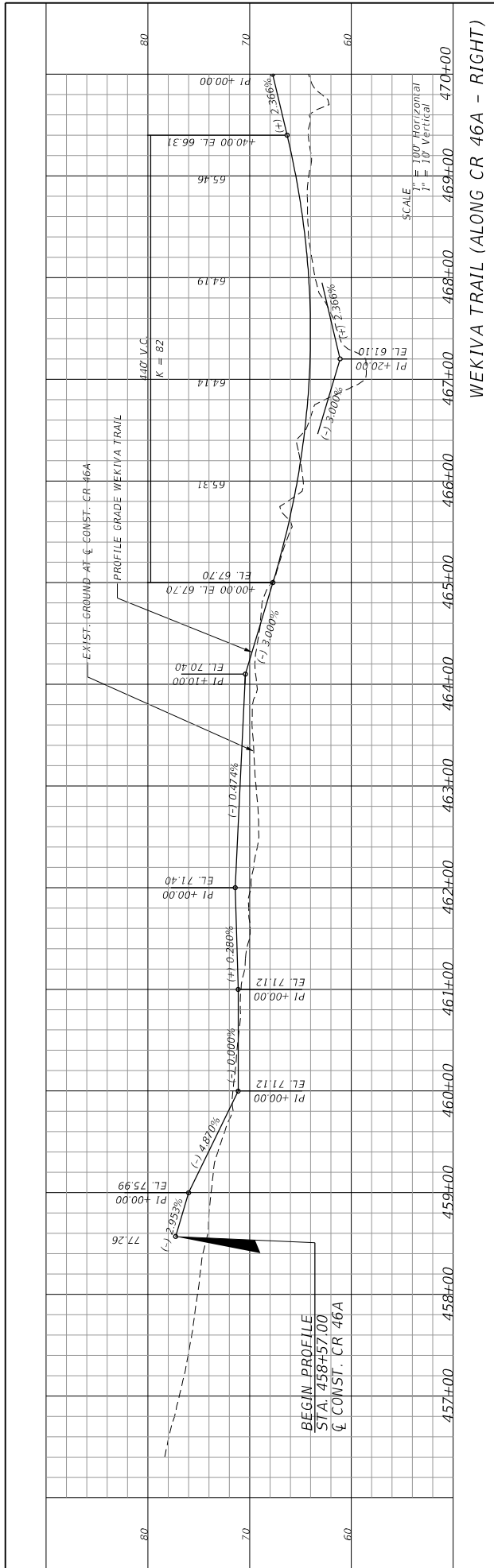


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
2301 WATLAND CENTER PARKWAY, SUITE 300		FINANCIAL PROJECT ID	
WATLAND, FL 32751 - PHONE: (407) 660-2552		CR 46A	
ENGINEER OF RECORD		LAKE	
PAUL O. SNEAD, P.E.		238275-8-52-01	
P.E. NUMBER: 36862		W/REGISTRATION	

PREPARED BY:	CDM Smith
2301 WATLAND CENTER PARKWAY, SUITE 300	
WATLAND, FL 32751 - PHONE: (407) 660-2552	
ENGINEER OF RECORD	
PAUL O. SNEAD, P.E.	
P.E. NUMBER: 36862	

CR 46A/ SERVICE RD. INTERSECTION	SHEET NO.
INTERSECTION LAYOUT	57

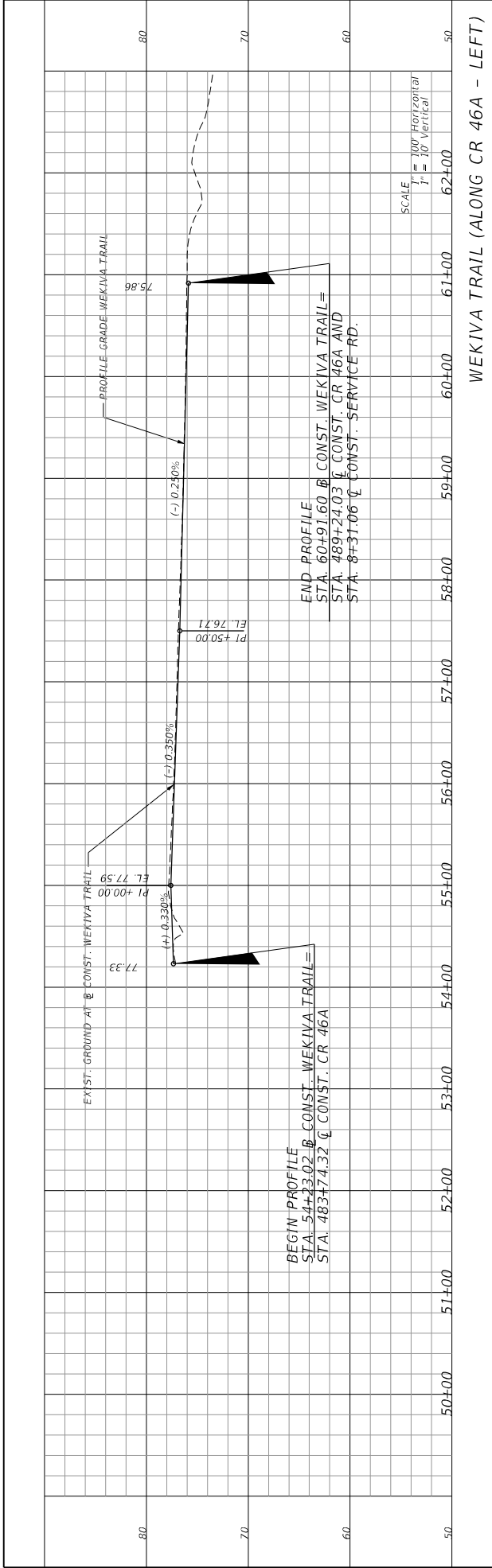


DATE	REVISIONS	DESCRIPTION

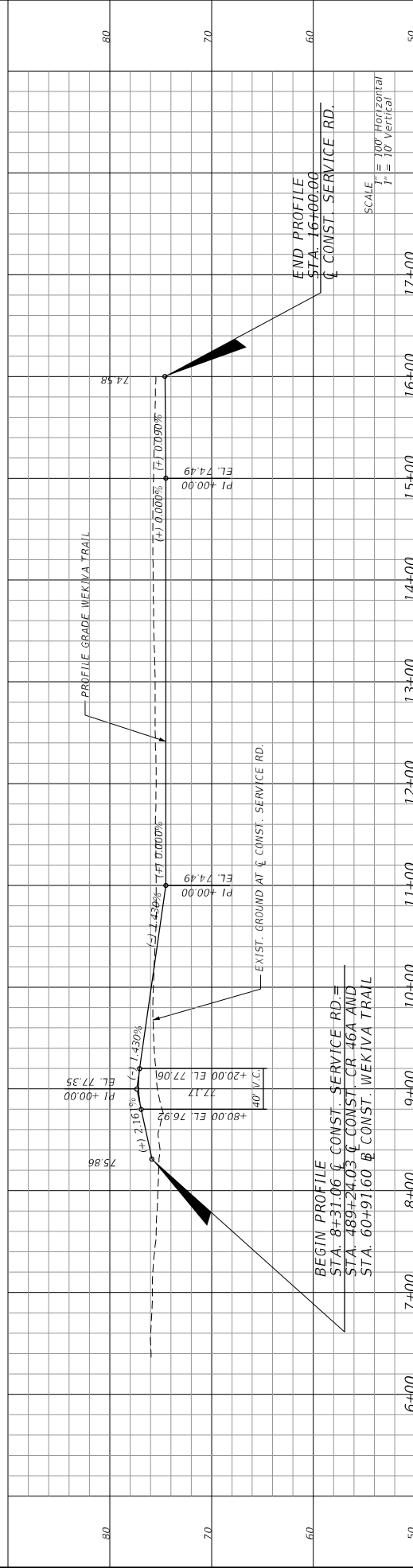
PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36962	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	FINANCIAL PROJECT ID 238275-8-52-01
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SHEET NO. 59	11/17/2015 1:52:54 PM C:\Projects\CR46A_Realign\Drawings\238275-8-52-01\ roadway\p\cr46a.dwg
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SPECIAL PROFILE



WEKIVA TRAIL (ALONG CR 46A - LEFT)

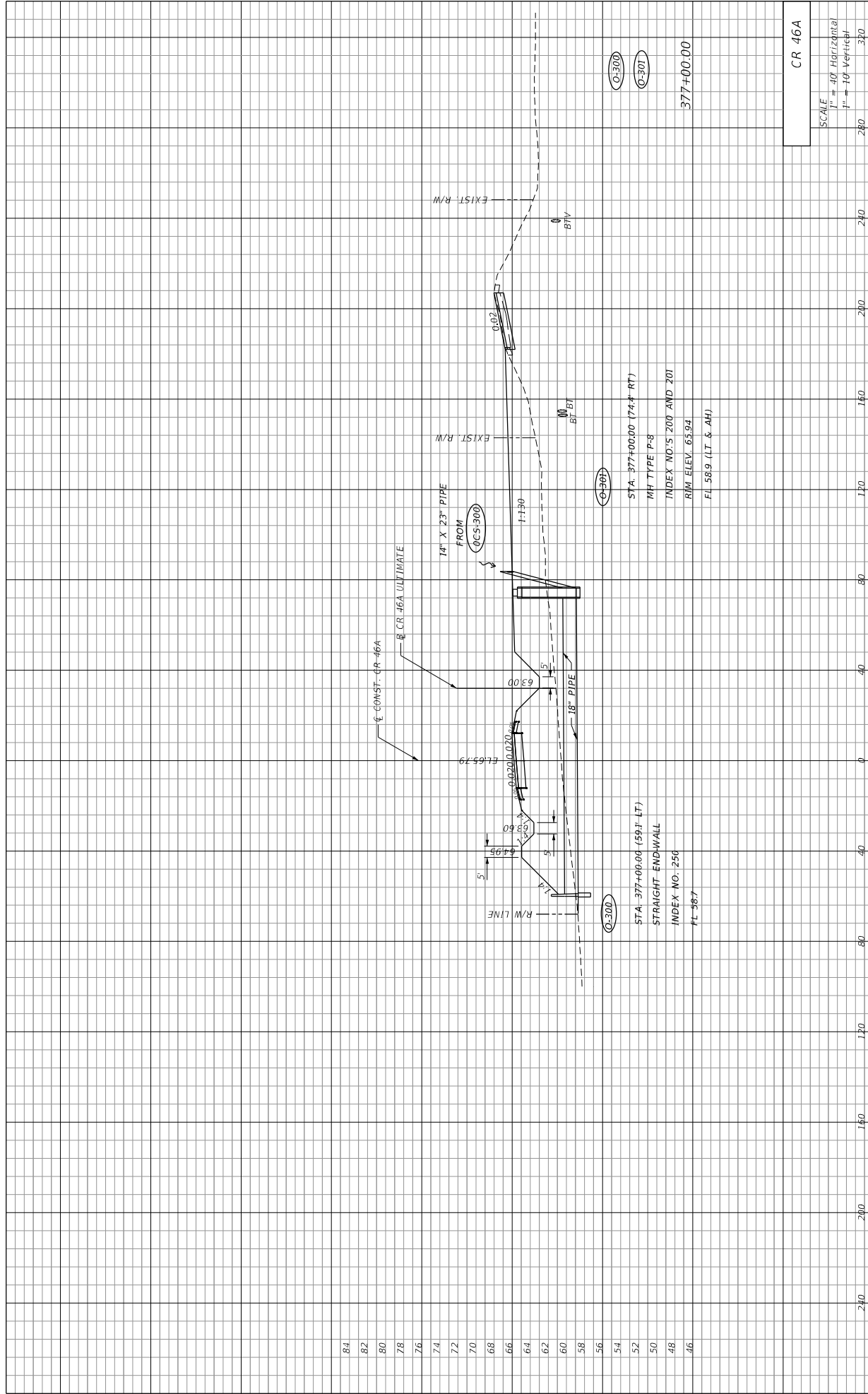


WEKIVA TRAIL (ALONG SERVICE RD.)

DATE	REVISIONS	DESCRIPTION

PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36962	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	FINANCIAL PROJECT ID 238275-8-52-01
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY LAKE	ROAD NO. CR 46A	FINANCIAL PROJECT ID 238275-8-52-01

SHEET NO. 60	SPECIAL PROFILE
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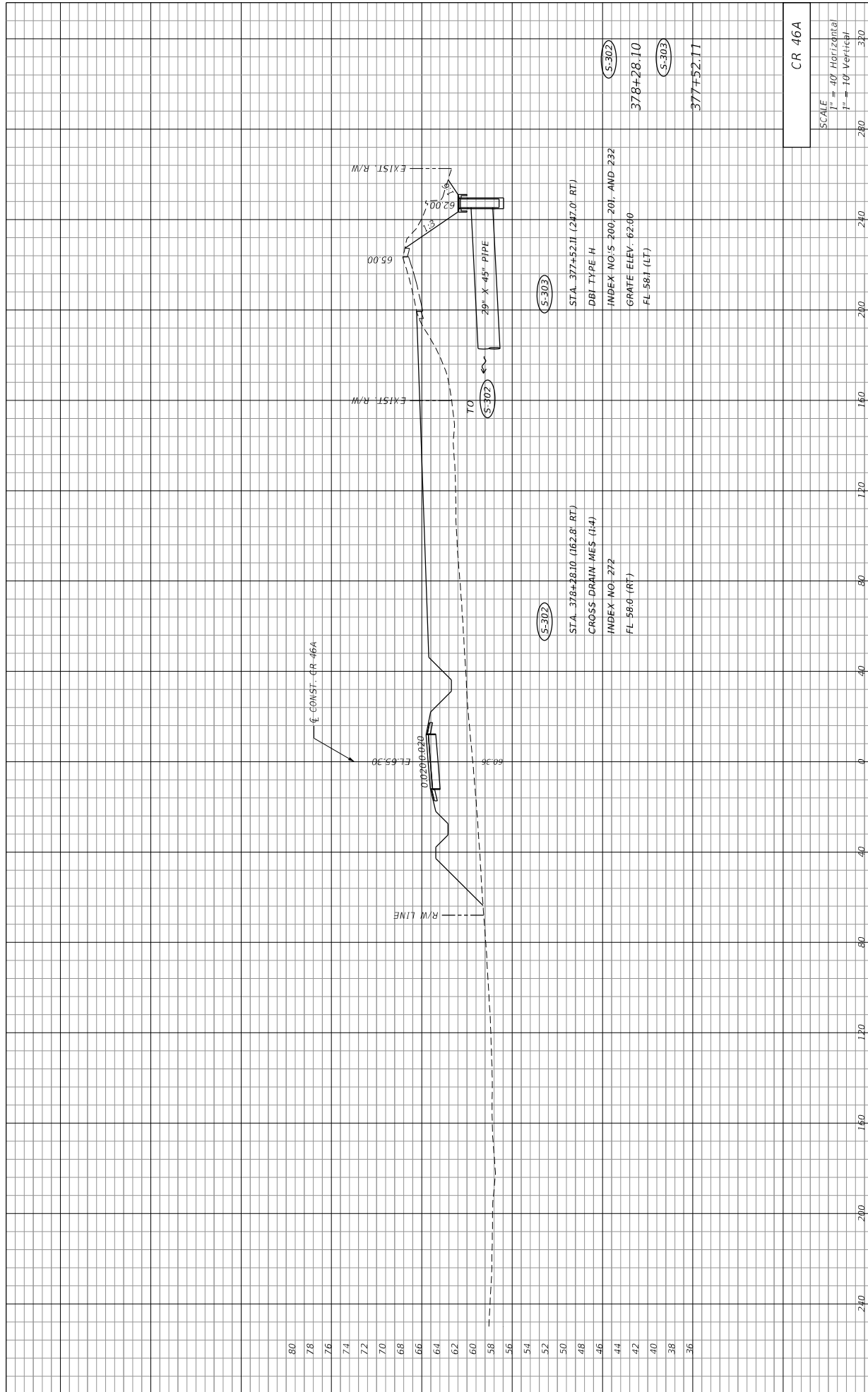


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
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62				
60				
58				
56				
54				
52				
50				
48				
46				

PREPARED BY:
 CDM Smith
 2301 MAITLAND CENTER PARKWAY, SUITE 300
 MAITLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. CR 46A
 COUNTY LAKE
 FINANCIAL PROJECT ID 238275-8-52-01

CR 46A
 SCALE
 1" = 40' Horizontal
 1" = 10' Vertical
 SHEET NO. 61



CR 46A	
SCALE	
1" = 40' Horizontal	280
1" = 10' Vertical	320

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 62

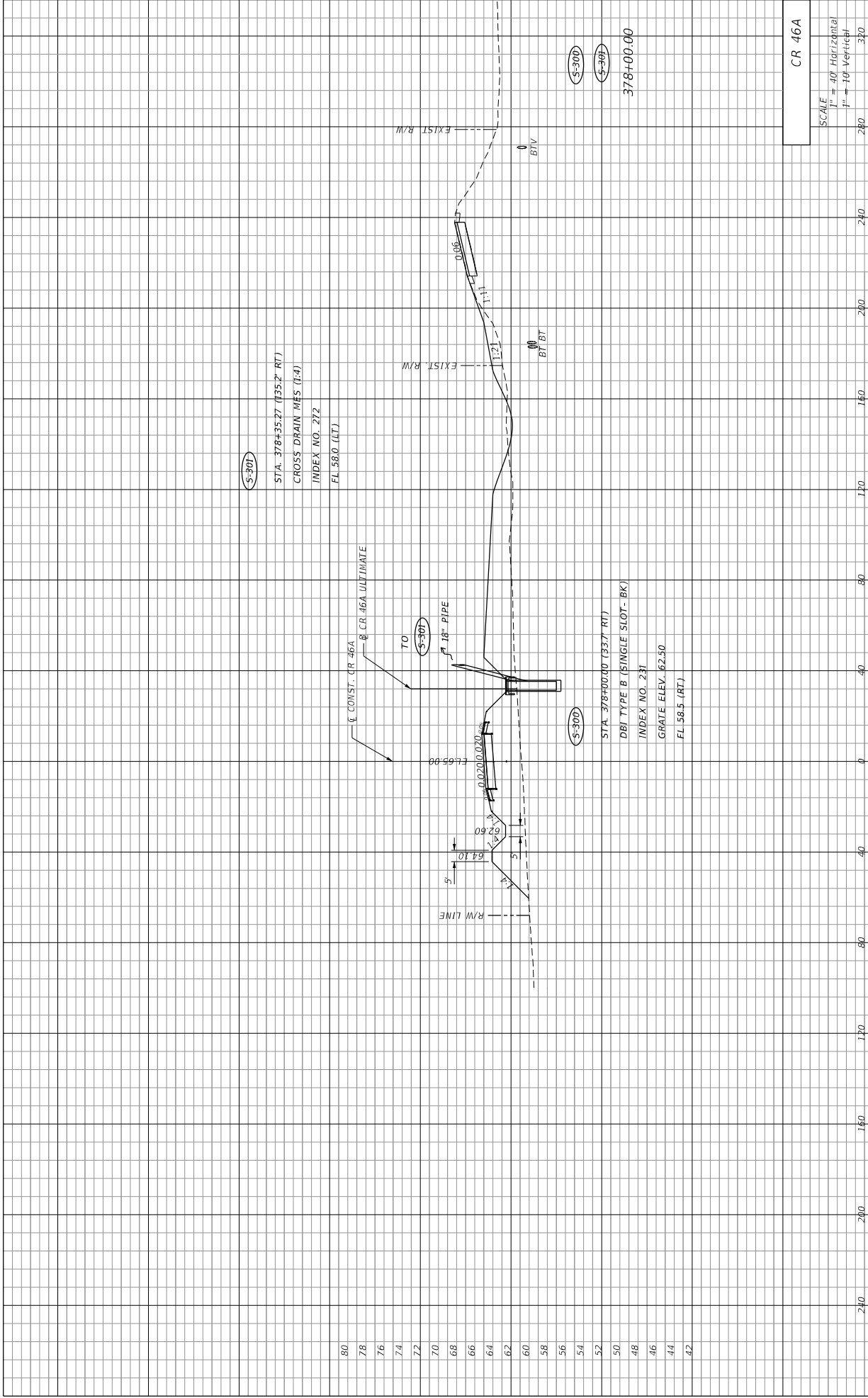
STA. 377+52.11 (247.0' RT)
 DBI TYPE H
 INDEX NO.'S: 200, 201, AND 232
 GRATE ELEV: 62.40
 FL 58.1 (LT)

STA. 378+28.10 (162.8' RT)
 CROSS DRAIN INLET (14")
 INDEX NO: 272
 FL 56.0 (RT)

STA. 377+52.11 (247.0' RT)
 DBI TYPE H
 INDEX NO.'S: 200, 201, AND 232
 GRATE ELEV: 62.40
 FL 58.1 (LT)

STA. 377+52.11
 378+28.10
 377+52.11

CR 46A
 1/3/2015 1:32:56 PM
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 11/4/2015 1:32:56 PM
 WHEBER@TP



S-300

STA. 378+35.27 (135.2' RT)
CROSS DRAIN MES (1:4)
INDEX NO. 272
FL 58.0 (HT)

CONST. CR 46A

S-300

TO
18" PIPE

S-300

STA. 378+00.00 (337' RT)
DBI TYPE B (SINGLE SLOT- BK)
INDEX NO. 231
GRATE ELEV. 62.50
FL 58.5 (RT)

CR 46A

SCALE
1" = 40' Horizontal
1" = 10' Vertical

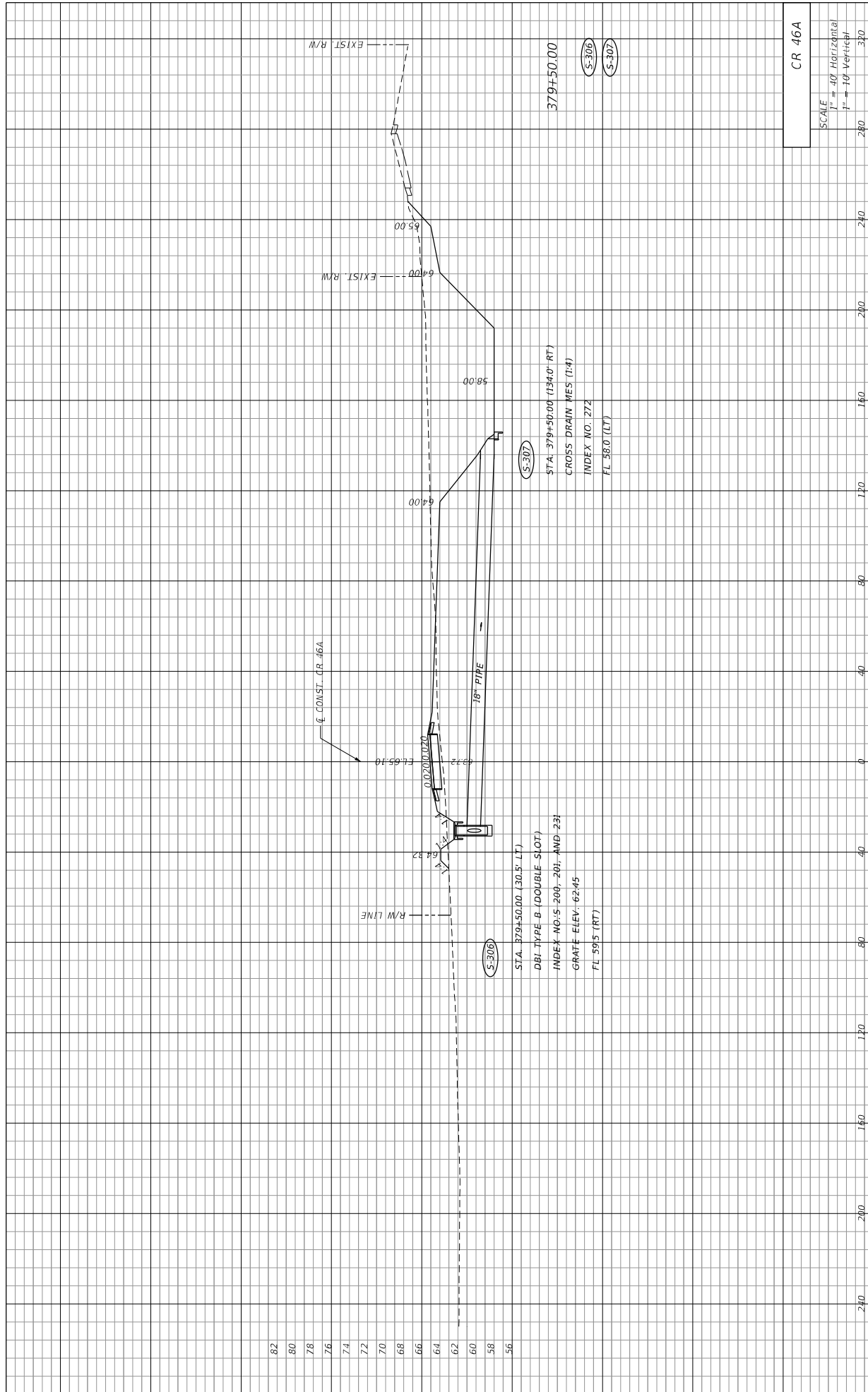
SHEET NO. 63

DRAINAGE STRUCTURES

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. CR 46A
COUNTY LAKE
FINANCIAL PROJECT ID 238275-8-52-01

PREPARED BY:
CDM Smith
2301 WATLAND CENTER PARKWAY, SUITE 300
MAITLAND, FL 32751 - PHONE: (407) 660-2552
ENGINEER OF RECORD
PAUL O. SNEAD, P.E.
P.E. NUMBER: 36982

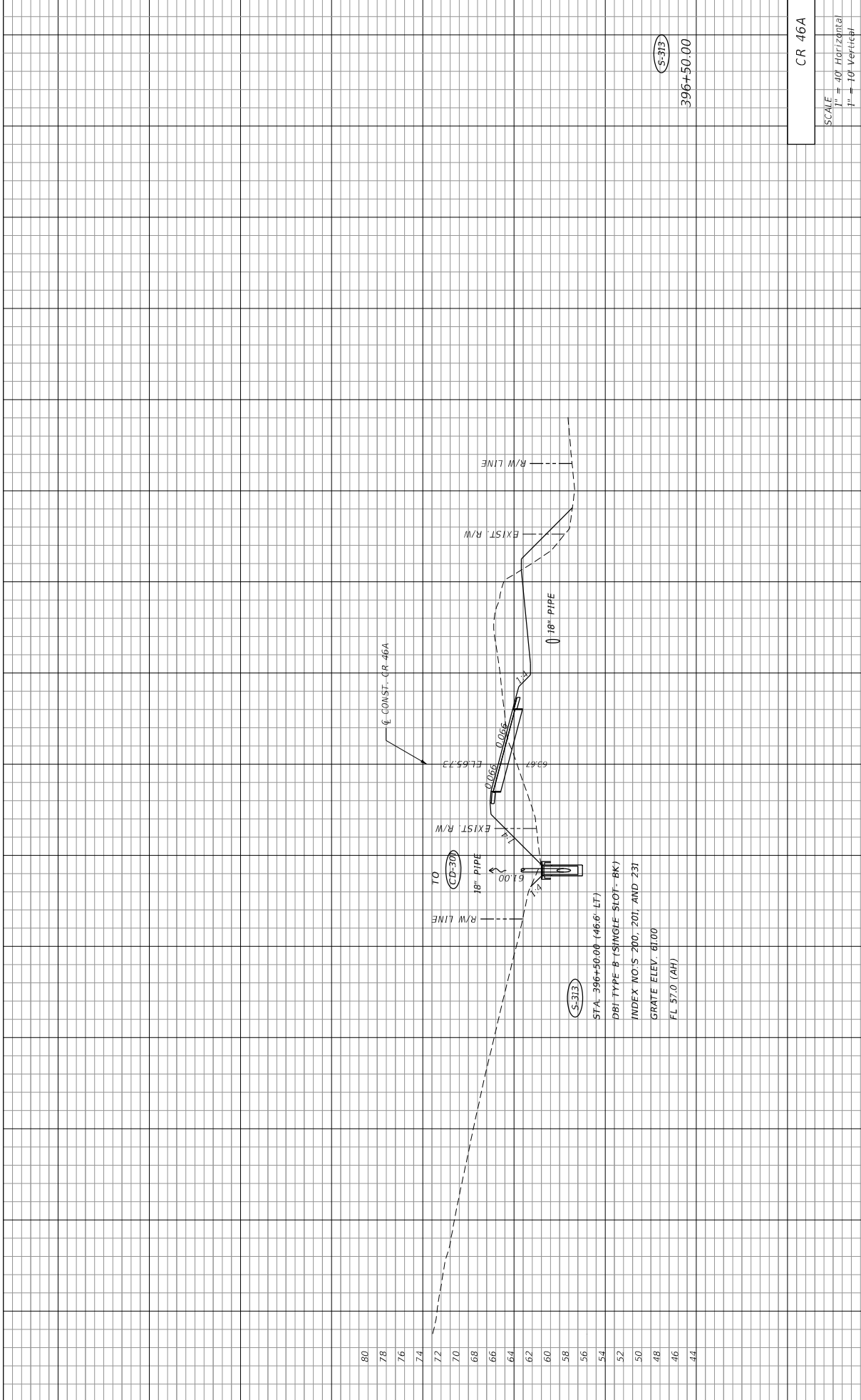
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
82				
80				
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76				
74				
72				
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66				
64				
62				
60				
58				
56				

PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	COUNTY LAKE	FINANCIAL PROJECT ID 238275-8-52-01
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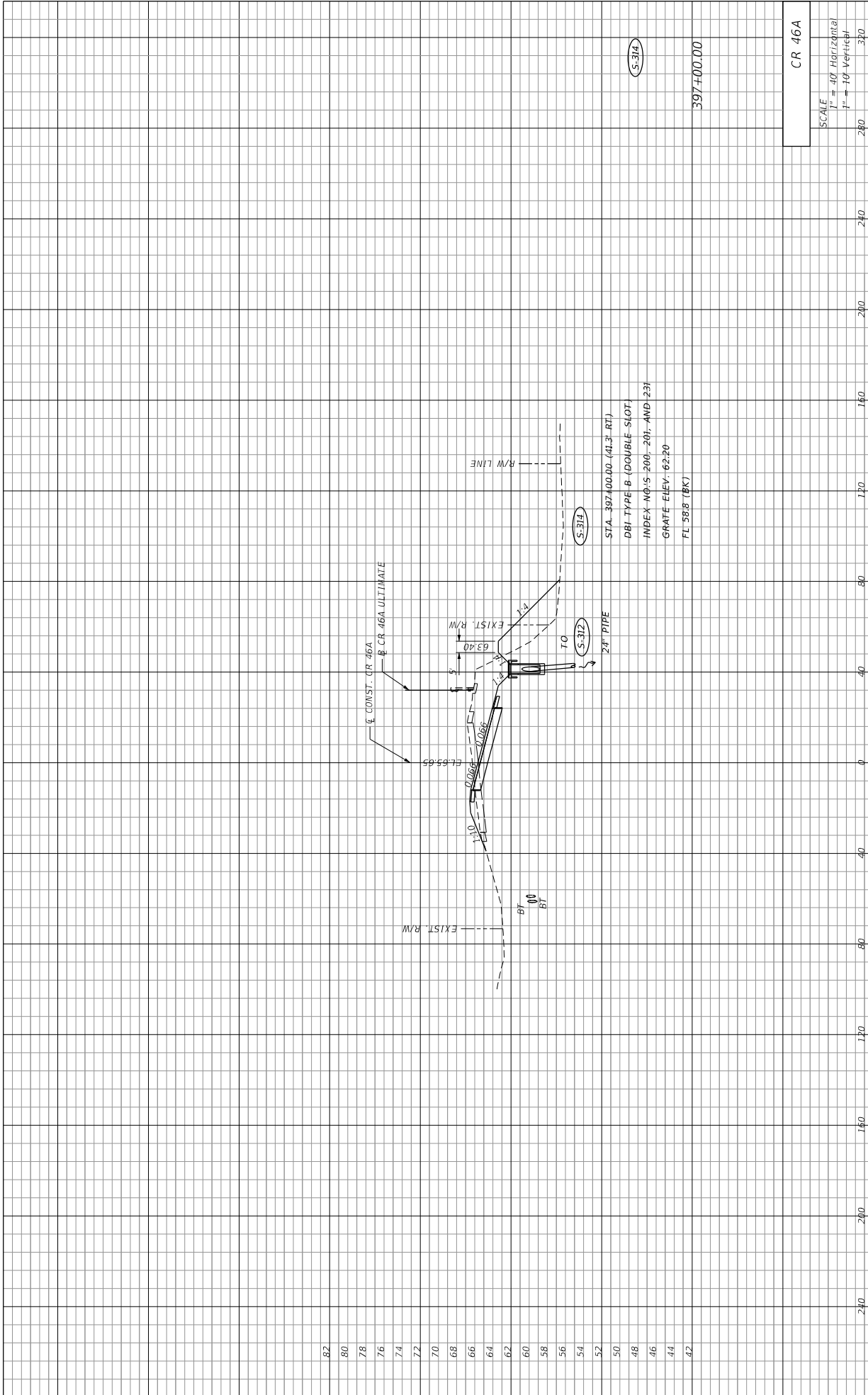
SHEET NO. 64	CR 46A
-----------------	--------



S-313
396+50.00

CR 46A	
SCALE	
1" = 40' Horizontal	280
1" = 10' Vertical	320
	240
	200
	160
	120
	80
	40
	0

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
				SHEET NO. 65



397+00.00

S-314

S-312

CR 46A

SCALE	1" = 40' Horizontal	280
	1" = 10' Vertical	320

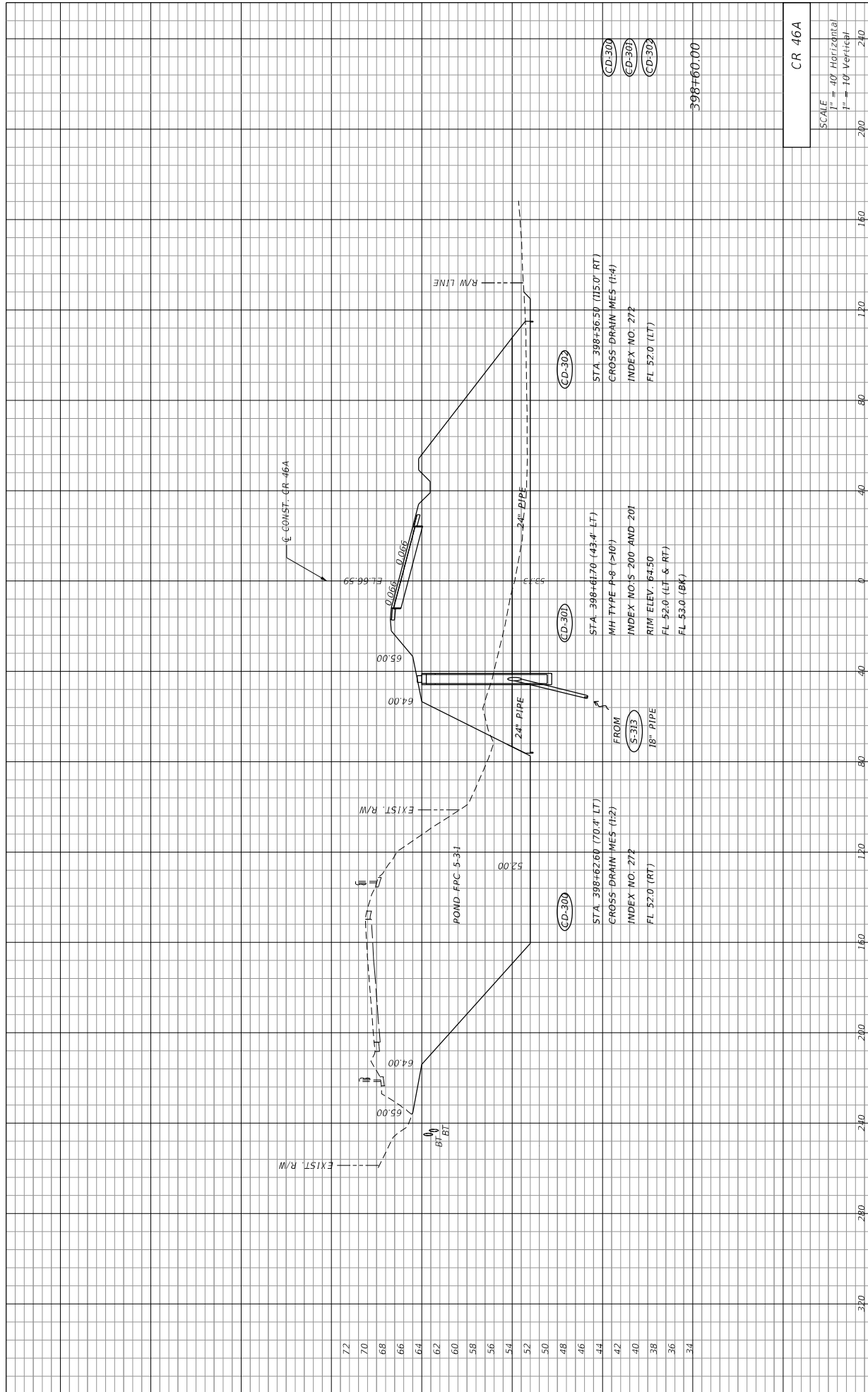
SHEET NO. 66

DRAINAGE STRUCTURES

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. CR 46A	FINANCIAL PROJECT ID 238275-8-52-01
COUNTY LAKE	

PREPARED BY:
 CDM Smith
 2301 MAITLAND CENTER PARKWAY, SUITE 300
 MAITLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

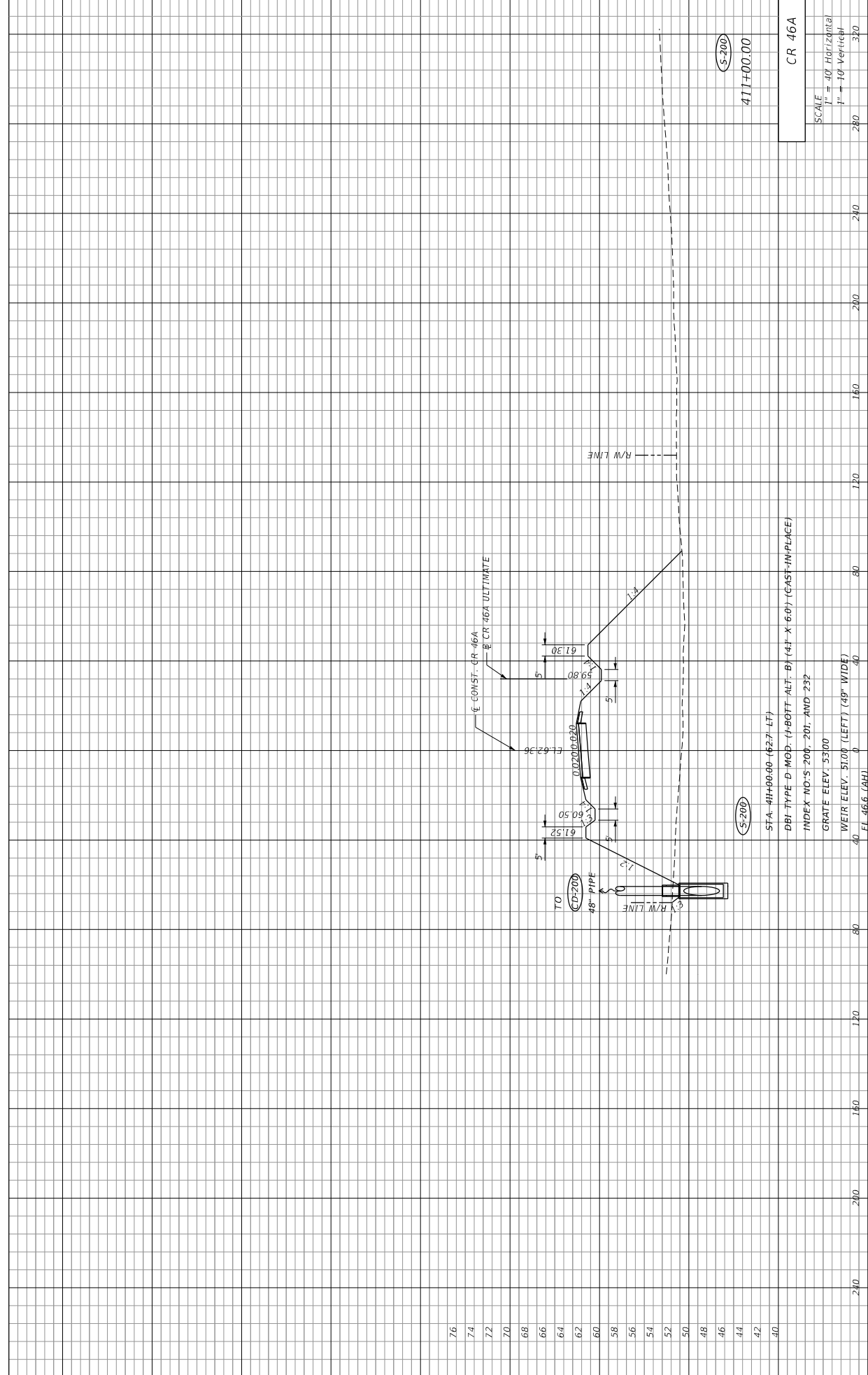


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
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70				
68				
66				
64				
62				
60				
58				
56				
54				
52				
50				
48				
46				
44				
42				
40				
38				
36				
34				

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 38982		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROAD NO.	CR 46A	FINANCIAL PROJECT ID
COUNTY	LAKE	238275-8-52-01

SCALE 1" = 40' Horizontal 1" = 10' Vertical		SHEET NO. 67
CR 46A		11/14/2015 1:55:51 PM G:\Projects\CR46A_Realignment\38275-8-52-01.dwg DWG34001.DWG

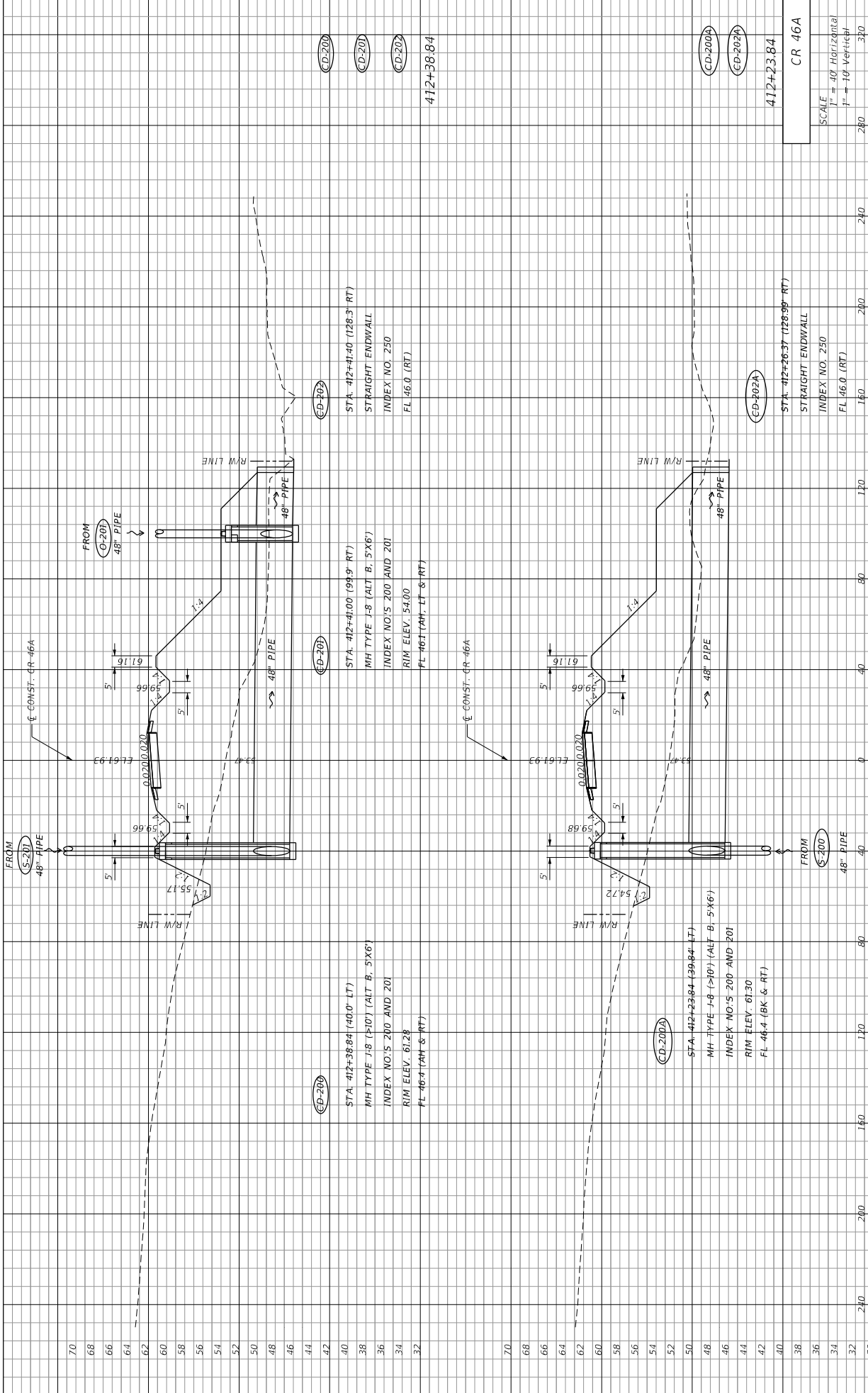
DRAINAGE STRUCTURES



DATE	REVISIONS		DESCRIPTION	DEPARTMENT OF TRANSPORTATION		STATE OF FLORIDA	SHEET NO.
	DATE	DESCRIPTION		ROAD NO.	COUNTY		
				CR 46A	LAKE	238275-8-52-01	68

PREPARED BY: CDM Smith
 2301 MAITLAND CENTER PARKWAY, SUITE 300
 MAITLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 30982

CR 46A
 SCALE
 1" = 40' Horizontal
 1" = 10' Vertical
 280 240 200 160 120 80
 411+00.00
 S-200
 S-300



DATE	REVISIONS	DESCRIPTION
	70	
	68	
	66	
	64	
	62	
	60	
	58	
	56	
	54	
	52	
	50	
	48	
	46	
	44	
	42	
	40	
	38	
	36	
	34	
	32	
	30	

CD-200	STA. 412+38.84 (40.0' LT) MH TYPE J-B (7'10") (ALT B, 5'X6') INDEX NO.'S 200 AND 201 RIM ELEV. 61.28 FL 46.4 (AH & RT)
CD-201	STA. 412+41.00 (99.9' RT) MH TYPE I-B (ALT B, 5'X6') INDEX NO.'S 200 AND 201 RIM ELEV. 54.00 FL 46.3 (AH, LT & RT)
CD-202	STA. 412+26.37 (128.9' RT) STRAIGHT ENDWALL INDEX NO. 250 FL 46.0 (RT)
CD-203	412+38.84

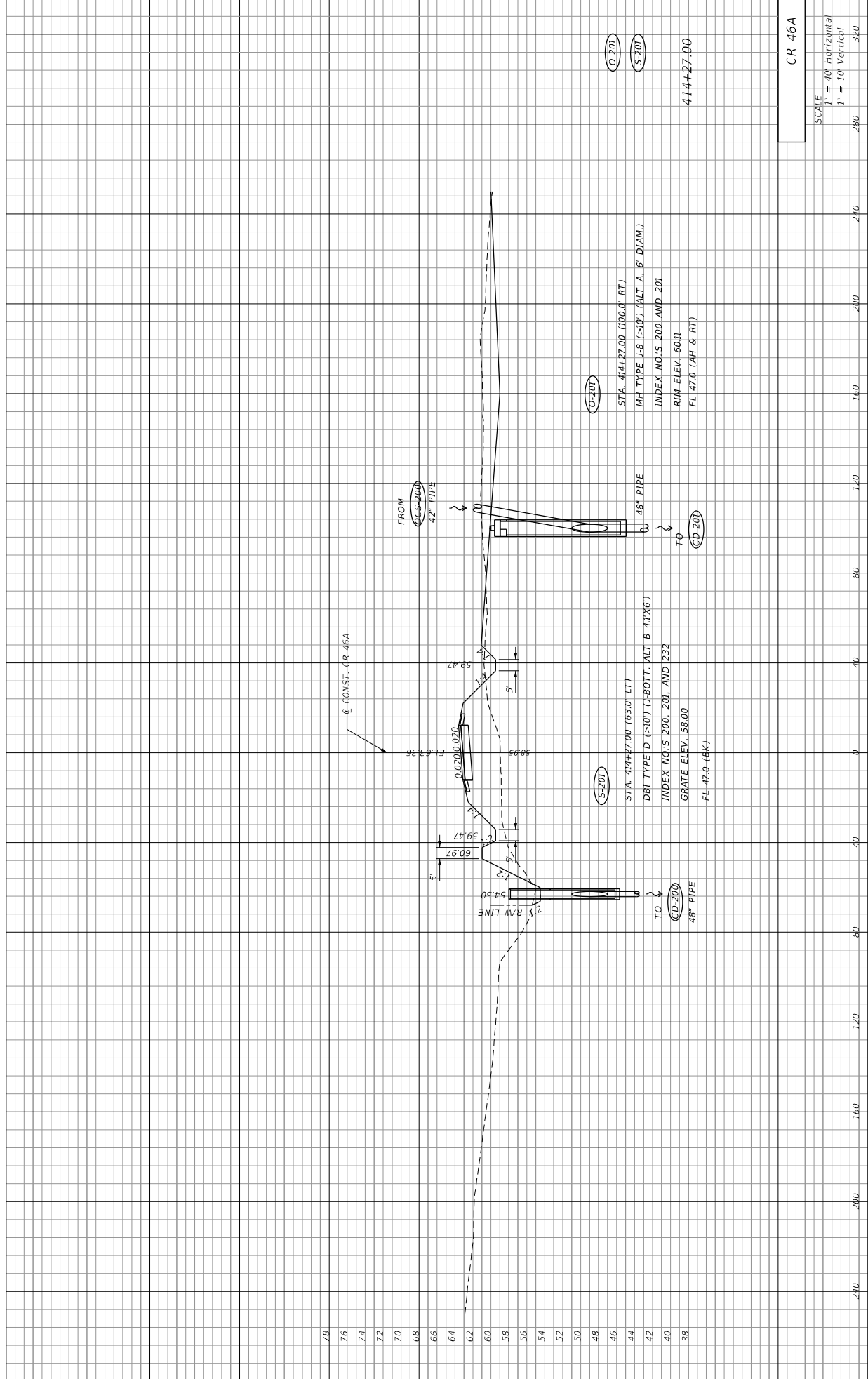
SCALE	" = 40' Horizontal	280	240	200	160	120	80	40
	" = 10' Vertical	280	240	200	160	120	80	40

CR 46A	412+23.84
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A	COUNTY LAKE	FINANCIAL PROJECT ID 238275-8-52-01
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PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	11/14/2015
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DRAINAGE STRUCTURES	
SHEET NO.	69



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

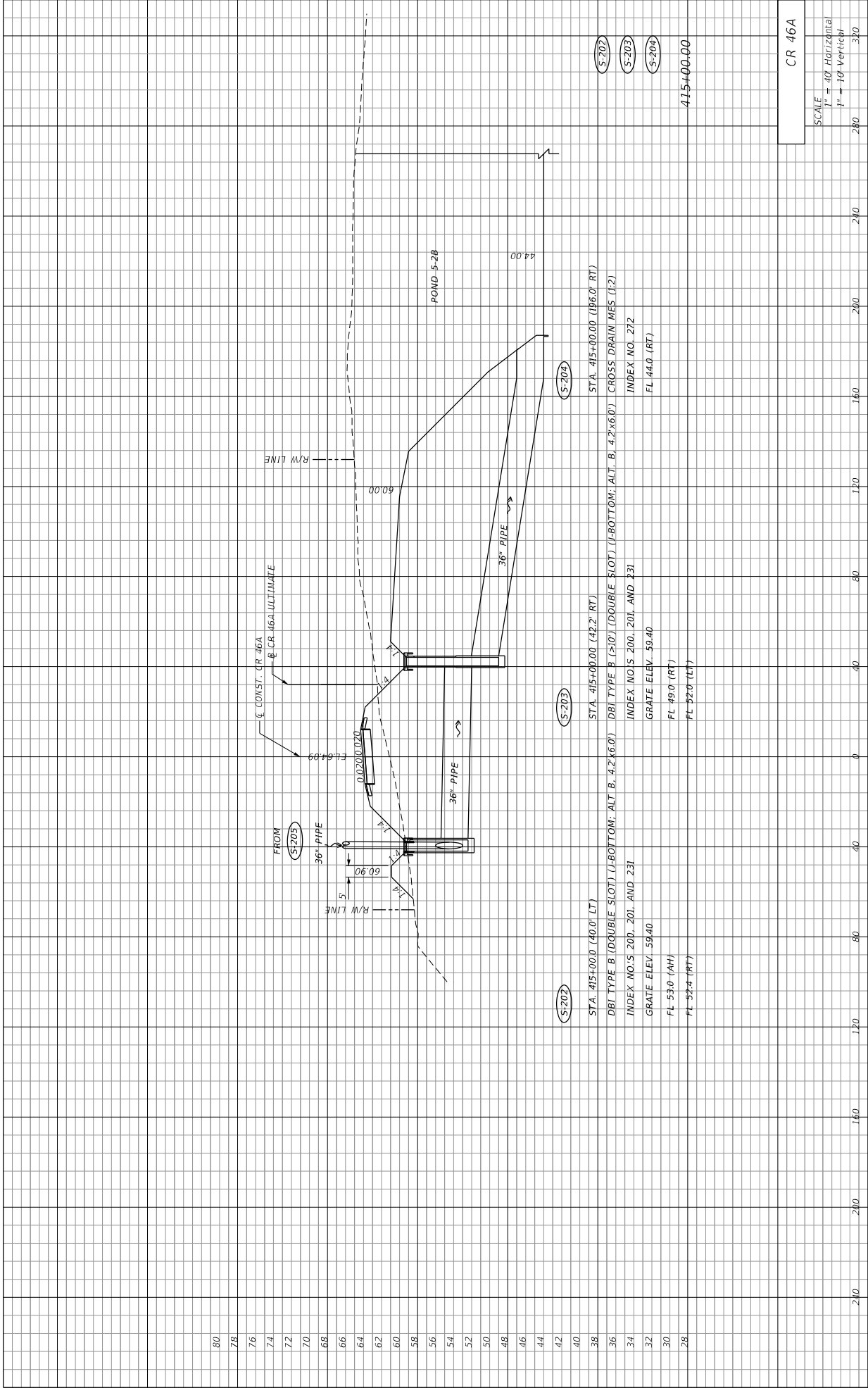
STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. CR 46A	FINANCIAL PROJECT ID 238275-8-52-01
COUNTY LAKE	

PREPARED BY:
 CDM Smith
 2301 MAITLAND CENTER PARKWAY, SUITE 300
 MAITLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

CR 46A

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

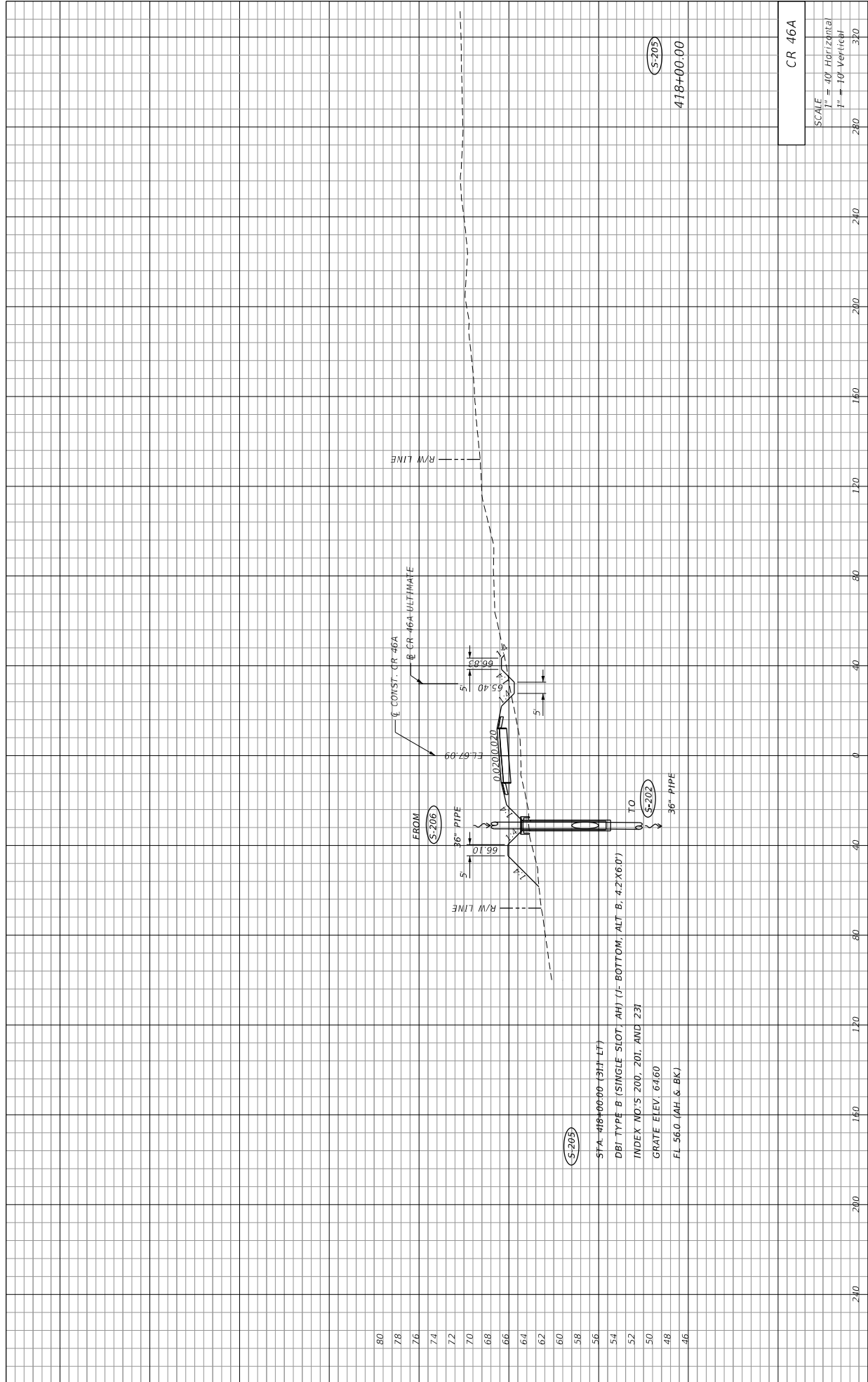
SHEET NO. 70



CR 46A	
SCALE	1" = 40' Horizontal
	1" = 10' Vertical
	280
	240
	200
	160
	120
	80
	40
	0
	80
	120
	160
	200
	240
	280
	320

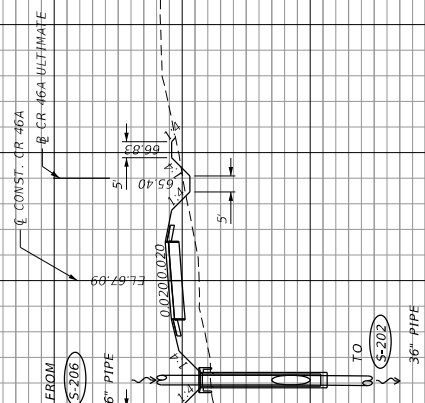
DATE	REVISIONS	DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO. CR 46A	COUNTY LAKE	FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 71
			PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982				

11/4/2015 1:37:27 PM C:\PROJECTS\CR46A_Requirement\38275-8-52-01.dwg DWG:SD001.DWG



80
78
76
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46

(S-205)
STA. 418+00.00 (311-17)
DBI TYPE B (SINGLE SLOT, AH) (F-BOTTOM, ALT B, 4.2' X 6.0')
INDEX NO'S: 200, 201, AND 231
GRATE ELEV. 64.60
FL 56.0 (AH & BK)



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 72
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(S-206)
 STA. 422+00.00 (30'-LT)
 DBI TYPE B (≥10') (SINGLE SLOT, AH) (J-BOTTOM, ALT B; 4.2'x6.0')
 INDEX NO'S 200, 201, AND 231
 GRATE ELEV 67.30
 FL 56.4 (AH & BK)

TO
 (S-205)
 36" PIPE

FROM
 (S-207)
 36" PIPE

R/W LINE

R/W LINE

CONST. CR 46A ULTIMATE

E CONST. CR 46A

0.0200/0.20

0.0100/1.00

69.66

CR 46A	
SCALE	
1" = 40' Horizontal	280
1" = 10' Vertical	320

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982				
DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID CR 46A LAKE 238275-8-52-01				
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID CR 46A LAKE 238275-8-52-01				
SHEET NO. 73				
CR 46A 11/4/2015 1:38:07 PM G:\Projects\CR46A_Realign\CR46A_Realign.dwg WHEBER/T/P 11/4/2015 1:38:07 PM G:\Projects\CR46A_Realign\CR46A_Realign.dwg WHEBER/T/P 11/4/2015 1:38:07 PM G:\Projects\CR46A_Realign\CR46A_Realign.dwg WHEBER/T/P				



84

82

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74

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64

62

60

58

56

54

52

50

48

(S-207)

STA. 426+00.00 (30.3' LT)

DBI TYPE B (SINGLE SLOT, BK) (I- BOTTOM, ALT. B. 4.2X6)

INDEX NO'S 200, 201, AND 231

GRATE ELEV. 66.50

FL 36.8 (AH & BK)

TO (S-206)

36" PIPE

EXIST. R/W

Q CONST. CR 46A

8" CR 46A ULTIMATE

FROM (S-208)

36" PIPE

36" PIPE

R/W LINE

67.50

66.79

66.50

66.50

5'

5'

(S-207)

426+00.00

CR 46A

SCALE	
1" = 40' Horizontal	280
1" = 10' Vertical	320

SHEET NO.

74

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	CR 46A
COUNTY	LAKE
FINANCIAL PROJECT ID	238275-8-52-01

PREPARED BY:
CDM Smith
2301 WATLAND CENTER PARKWAY, SUITE 300
MAITLAND, FL 32751 - PHONE: (407) 660-2552
ENGINEER OF RECORD
PAUL O. SNEAD, P.E.
P.E. NUMBER: 36982

REVISIONS

DATE

DESCRIPTION

DESCRIPTION

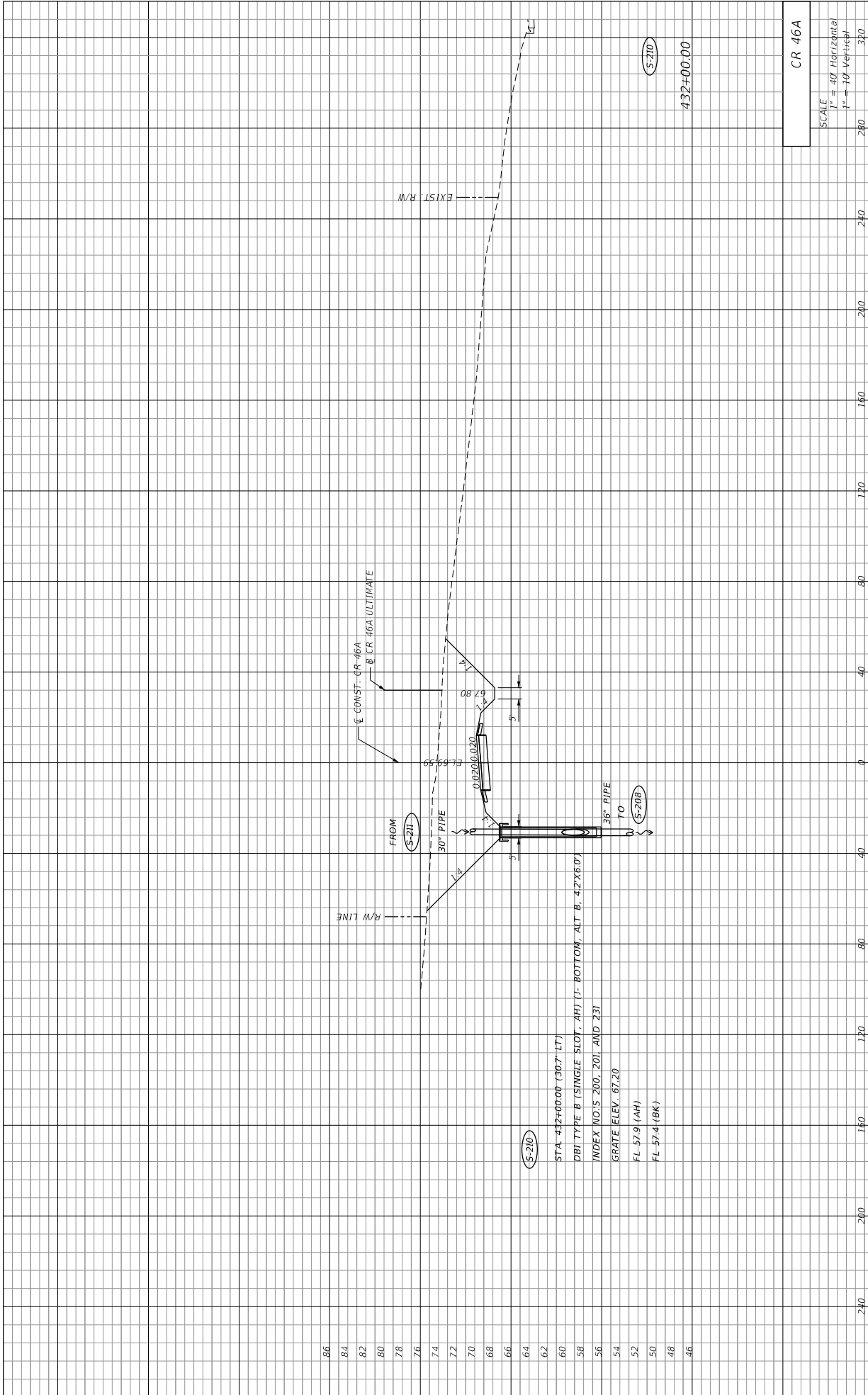
DRAINAGE STRUCTURES

1/30/30 PM

11/14/2015

WHEENEGTP

G:\Projects\CR46A_Realign\Drawings\23827501.dwg (1/30/30) DWG



86
84
82
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46

(S-210)
STA. 432+00.00 (30.7' LT)
DBI TYPE B (SINGLE SLOT, AH) (J-BOTTOM, ALT. B. 4.2' X 6.0')
INDEX NO'S 200, 201, AND 231
GRATE ELEV. 67.20
FL 57.9 (AH)
FL 57.4 (BK)

FROM (S-210)
30" PIPE
TO (S-208)
36" PIPE

CONST. CR 46A
B CR 46A ULTIMATE

EXIST. R/W

(S-210)
432+00.00

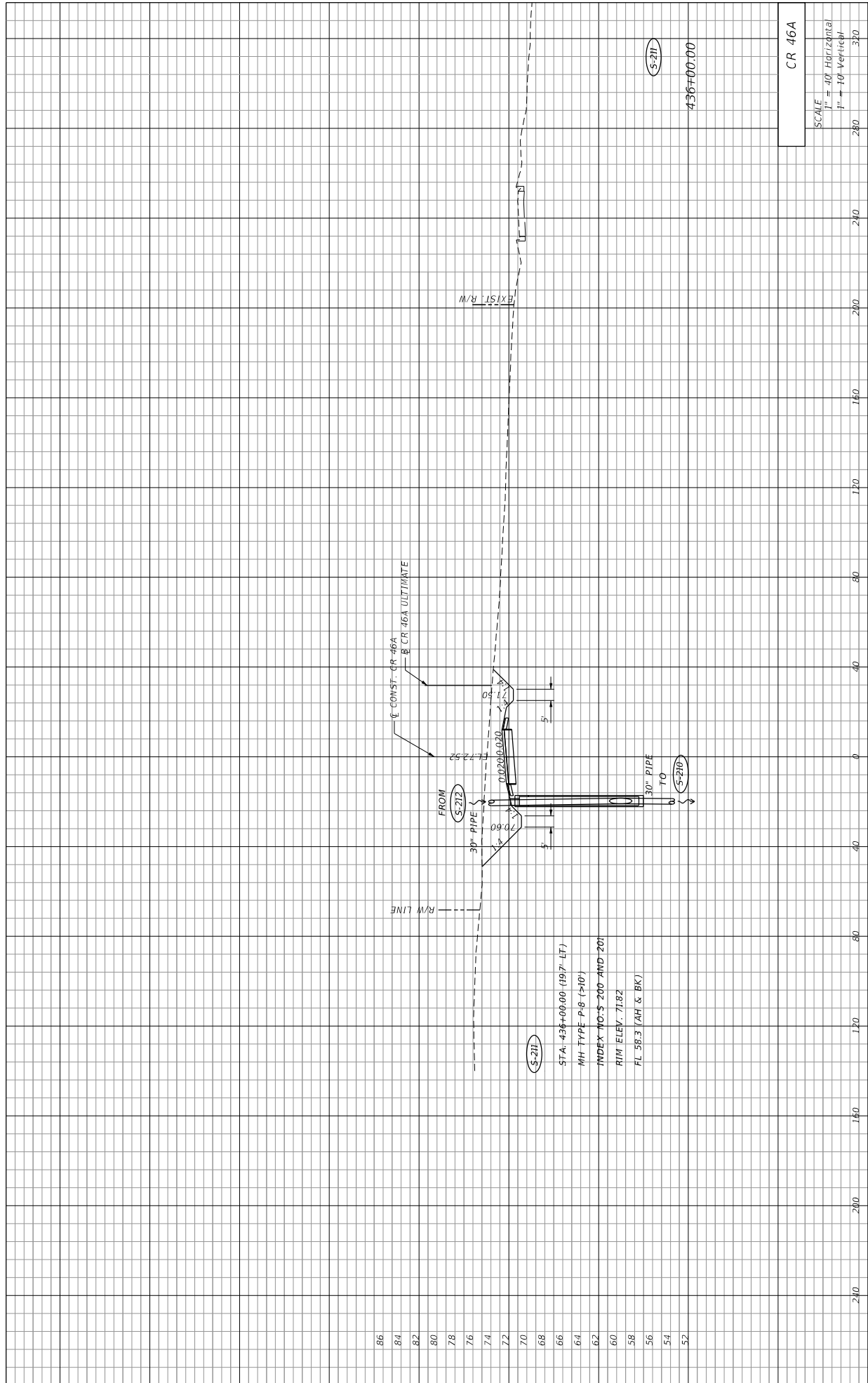
CR 46A
SCALE
1" = 40' Horizontal
1" = 10' Vertical

SHEET NO.
76

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. CR 46A
COUNTY LAKE
FINANCIAL PROJECT ID 238275-8-52-01

PREPARED BY:
CDM Smith
2301 WATLAND CENTER PARKWAY, SUITE 300
WATLAND, FL 32751 - PHONE: (407) 660-2552
ENGINEER OF RECORD
PAUL O. SNEAD, P.E.
P.E. NUMBER: 36982

REVISIONS
DATE DESCRIPTION



- 86
- 84
- 82
- 80
- 78
- 76
- 74
- 72
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- 52

(S-211)
 STA. 436+00.00 (19.7' LT)
 MH TYPE P-8 (>10')
 INDEX NO'S 200 AND 201
 RIM ELEV. 71.82
 FL 58.3 (AH & BK)

CONST. CR 46A
 CR 46A ULTIMATE

R/W LINE

EXIST. R/W

(S-211)

436+00.00

CR 46A

SCALE	
1" = 40' Horizontal	280
1" = 10' Vertical	320

SHEET NO.

77

DRAINAGE STRUCTURES

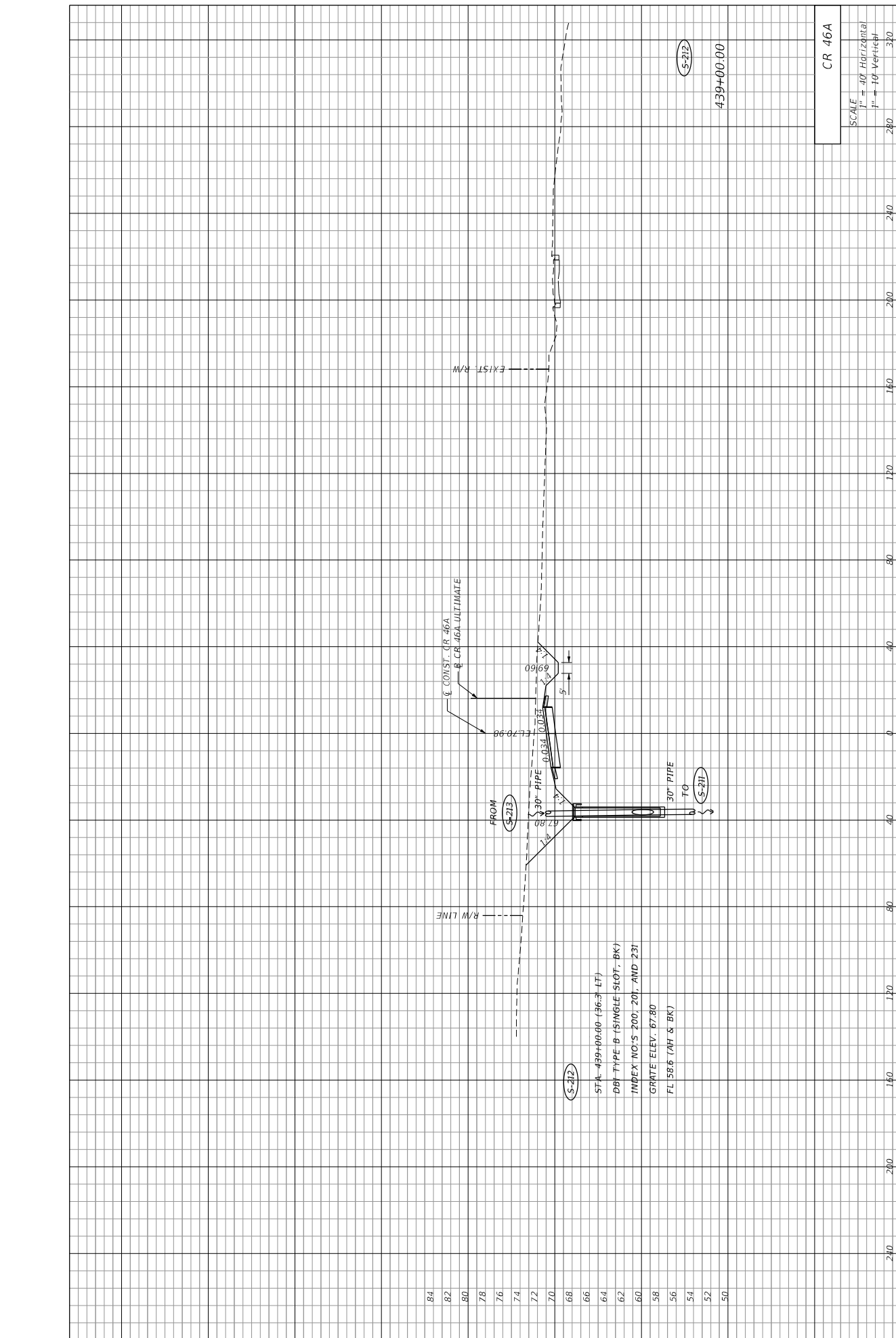
STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
CR 46A	238275-8-52-01
COUNTY	LAKE

PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURES
ROAD NO.	CR 46A	FINANCIAL PROJECT ID
COUNTY	LAKE	238274-8-52-01
PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982		

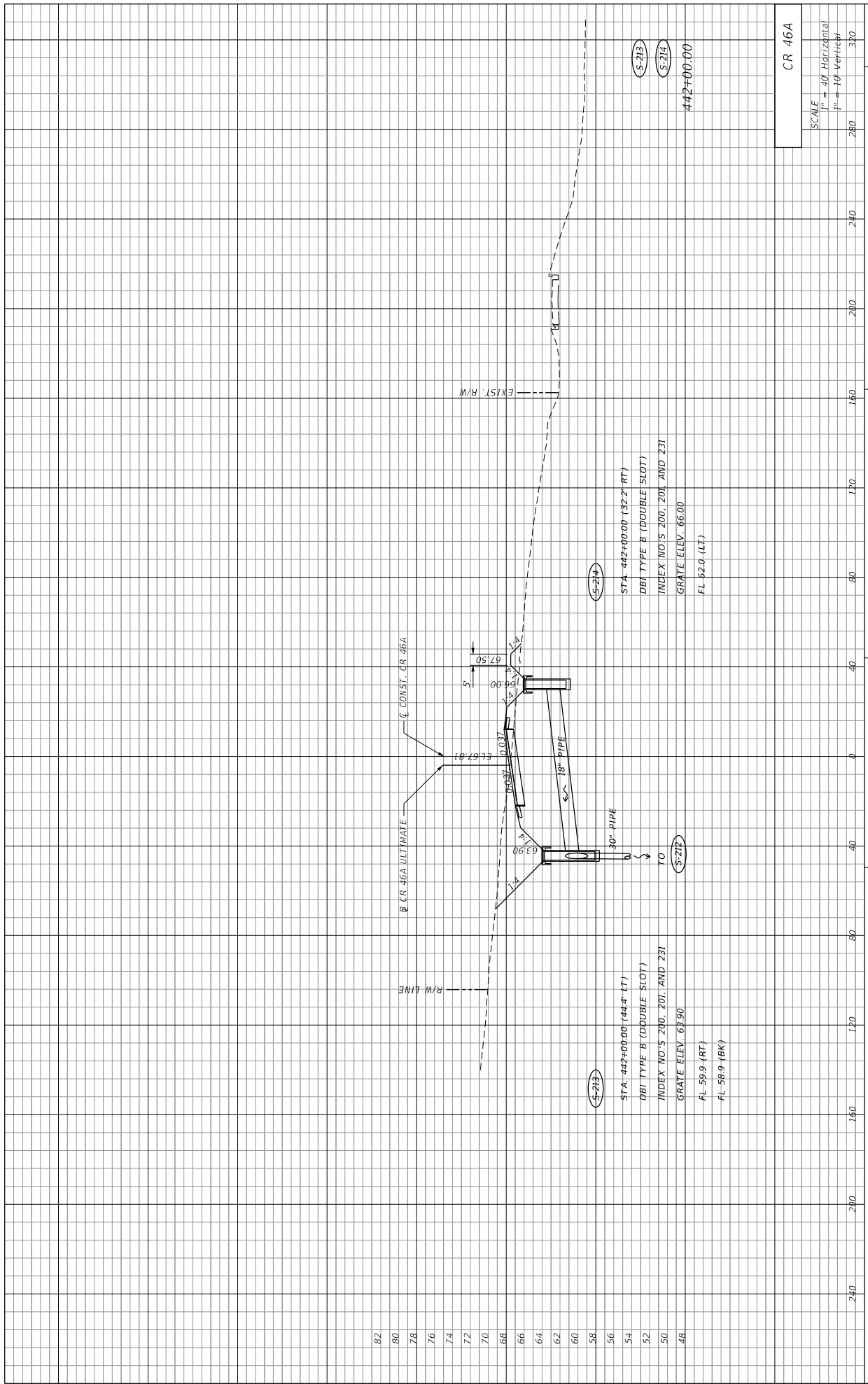
CR 46A	
SCALE	1" = 40' Horizontal
	1" = 10' Vertical
	280 240 200 160 120 80 40 0 40 80 120 160 200 240 280
	SHEET NO.
	78



S-212
 STA. 439+00.00 (36.3' LT)
 DBI TYPE B (SINGLE SLOT - BK)
 INDEX NO.'S 200, 201, AND 231
 GRATE ELEV. 167.80
 FL 58.6 (WH & BK)

S-212
 439+00.00

DATE	REVISIONS	DESCRIPTION



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
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(S-213)
 STA. 442+00.00 (444.4' LT)
 DBI TYPE B (DOUBLE SLOT)
 INDEX NO.'S 200, 201, AND 231
 GRATE ELEV. 63.30
 FL 59.9 (RT)
 FL 59.9 (BK)

(S-214)
 STA. 442+00.00 (32.2' RT)
 DBI TYPE B (DOUBLE SLOT)
 INDEX NO.'S 200, 201, AND 231
 GRATE ELEV. 66.00
 FL 62.0 (LT)

442+00:00

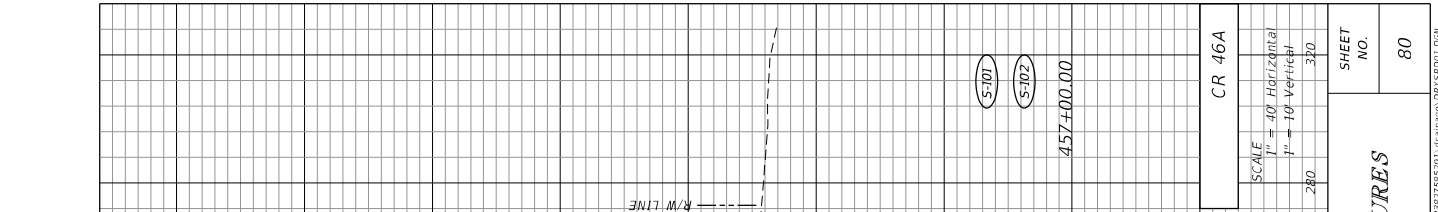
CR 46A	
SCALE	
1" = 40' Horizontal	280
1" = 10' Vertical	320

DATE		DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO. CR 46A	COUNTY LAKE	FINANCIAL PROJECT ID 238275-8-52-01
DRAINAGE STRUCTURES			

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982	SHEET NO. 79
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11/14/2015 1:40:27 PM G:\Projects\CR46A_Realignment\382758201_dwg\pdp\DWG\DR001.DWG WHEBER\PTP



CR 46A ULLIMATE
 37.48
 0.04%
 0.04%
 13.40
 5
 R/W LINE
 R/W LINE
 FROM TO
 S-103 36" PIPE
 TO FROM
 S-102 36" PIPE

ST. A. 457+00.00 (431.0' LT)
 DBI TYPE B (DOUBLE SLOT)
 INDEX NO'S. 200, 201, AND 231
 GRATE ELEV. 73.40
 FL 66.0 (RT)

ST. A. 457+00.00 (140' RT)
 MH TYPE J-8 (ALT B, 4X4)
 INDEX NO'S. 200 AND 201
 RIM ELEV. 67.00
 FL 63.0 (AH & BK)
 FL 63.50 (LT)

CR 46A
 457+00.00

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REVISIONS	DATE	DESCRIPTION
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STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
LAKE COUNTY	CR 46A
PROJECT ID	238275-8-52-01

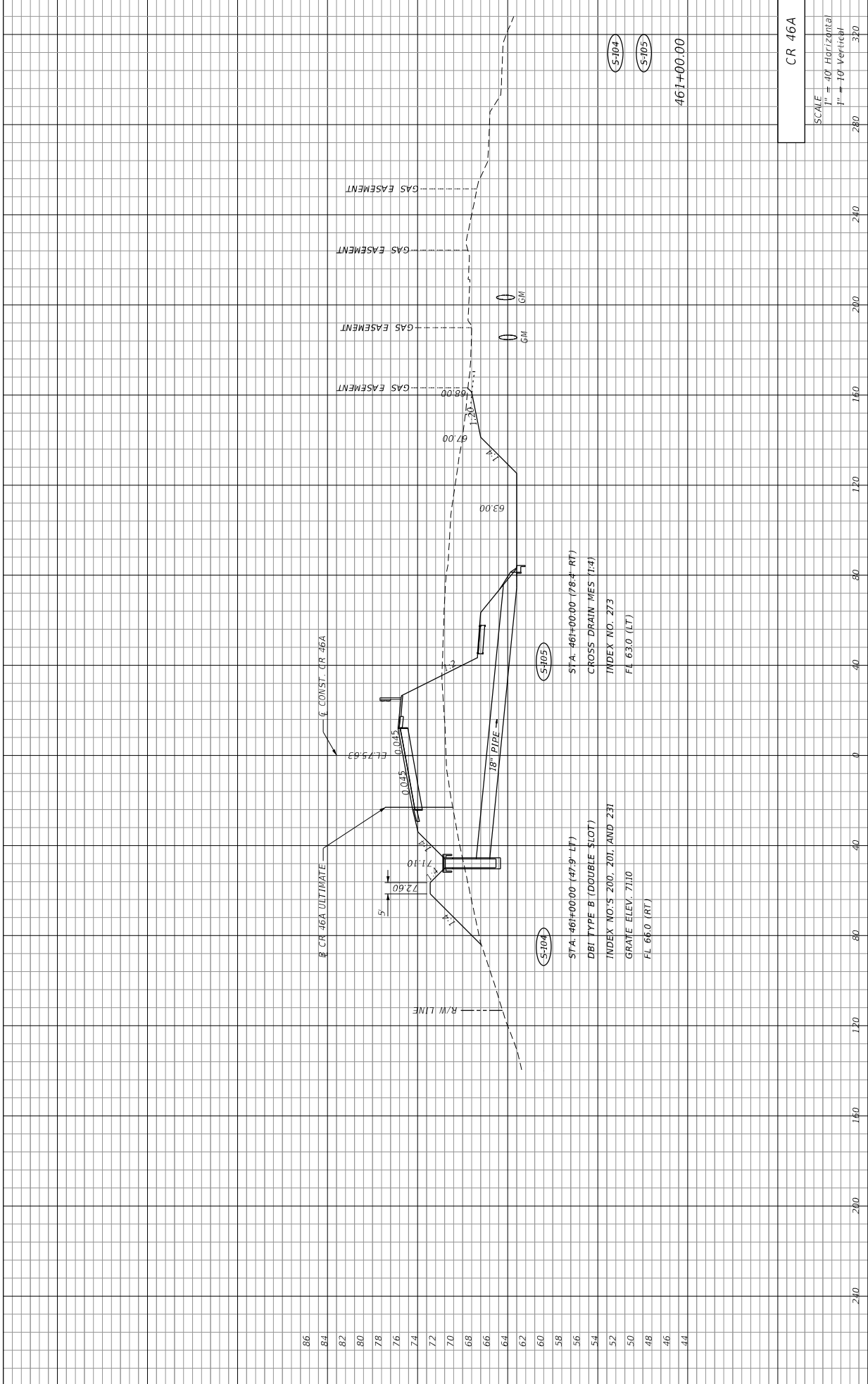
PREPARED BY:	CDM Smith
2301 WATLAND CENTER PARKWAY, SUITE 300	MAITLAND, FL 32751 - PHONE: (407) 660-2552
ENGINEER OF RECORD	PAUL O. SNEAD, P.E.
P.E. NUMBER: 36982	

SCALE	1" = 40' Horizontal
	1" = 10' Vertical

CR 46A	
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SHEET NO.	80
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DATE	11/4/2015
TIME	1:40:43 PM



CR 46A
 SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

SHEET NO. 81

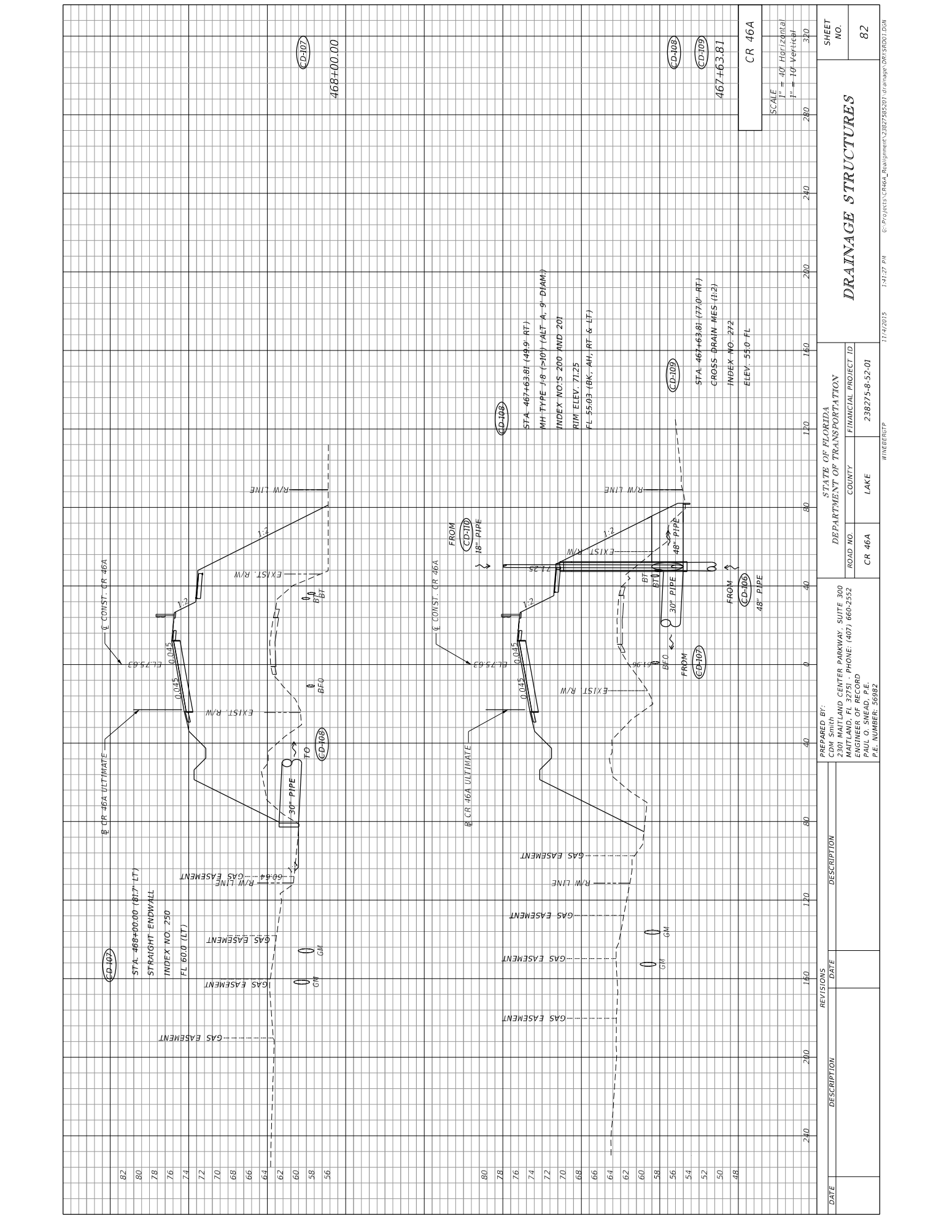
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. CR 46A
 COUNTY LAKE
 FINANCIAL PROJECT ID 238275-8-52-01

PREPARED BY:
 CDM Smith
 2301 MAITLAND CENTER PARKWAY, SUITE 300
 MAITLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

DESCRIPTION

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



DATE	REVISIONS	DESCRIPTION

82	CD-107	CR 46A ULTIMATE
80		STATION: 468+00.00 (81.7' LT)
78		STRAIGHT ENDWALL
76		INDEX NO. 250
74		FL 60.0 (LT)
72		GAS EASEMENT
70		R/W LINE
68		GAS EASEMENT
66		GAS EASEMENT
64		R/W LINE
62		GAS EASEMENT
60		GAS EASEMENT
58		GAS EASEMENT
56		GAS EASEMENT

80	CD-108	CR 46A ULTIMATE
78		STATION: 467+63.81 (49.9' RT)
76		MH TYPE 18 (>10') (ALT. A, 9' DIAM.)
74		INDEX NO. 200 AND 201
72		RIM ELEV. 71.25
70		FL 55.03 (BK. MH, RT & LT)
68		GAS EASEMENT
66		R/W LINE
64		GAS EASEMENT
62		R/W LINE
60		GAS EASEMENT
58		GAS EASEMENT
56		GAS EASEMENT

58	CD-109	CR 46A
56		STATION: 467+63.81 (77.0' RT)
54		CROSS-DRAIN MESH (1:2)
52		INDEX NO. 272
50		ELEV. 55.0 FL
48		GAS EASEMENT

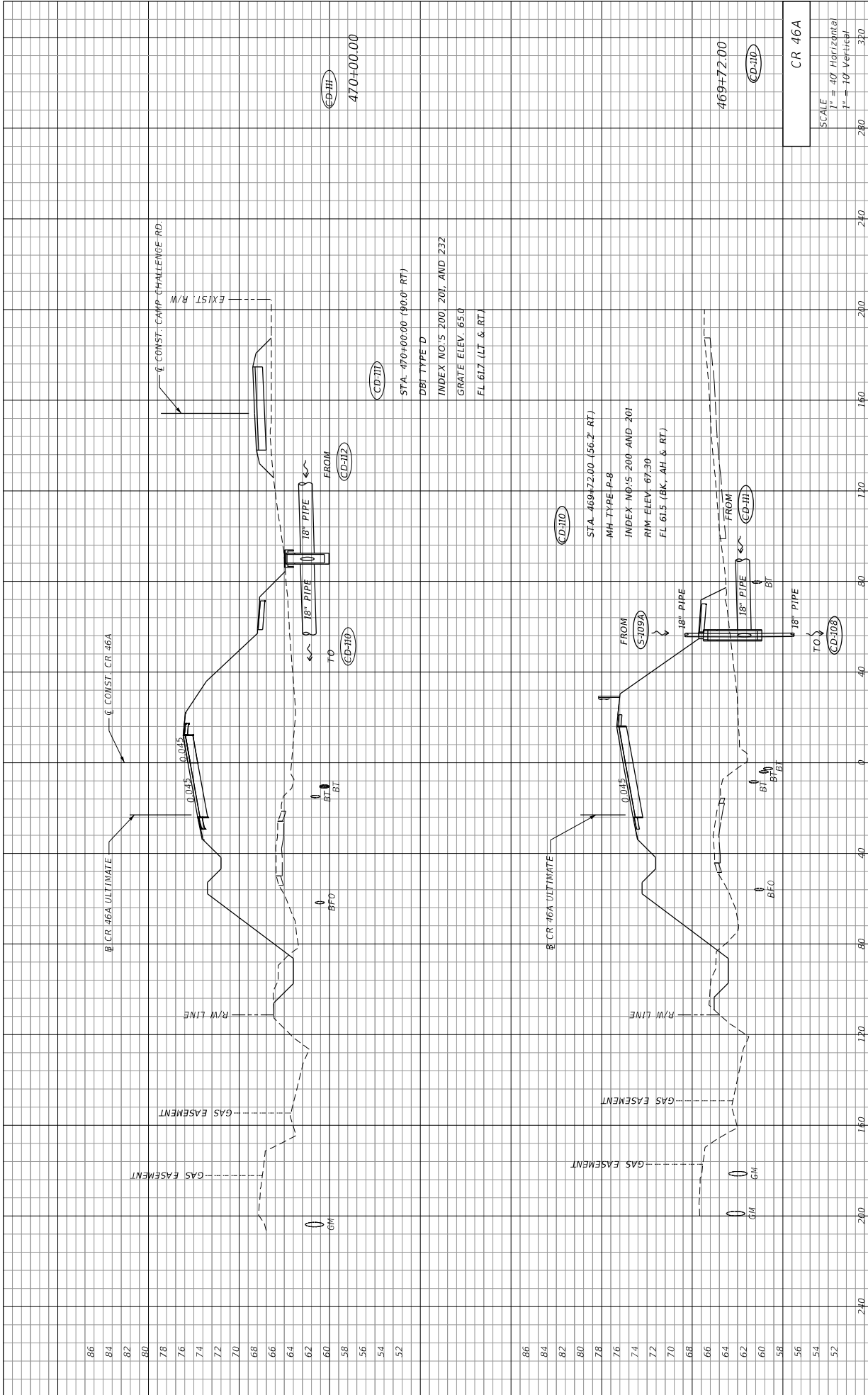
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82	CD-109	467+63.81
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DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A		FINANCIAL PROJECT ID 238275-8-52-01	STATE OF FLORIDA COUNTY LAKE	SHEET NO. 82
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982		WHEELER GROUP 11/4/2015 1:41:27 PM		SCALE 1" = 40' Horizontal 1" = 10' Vertical



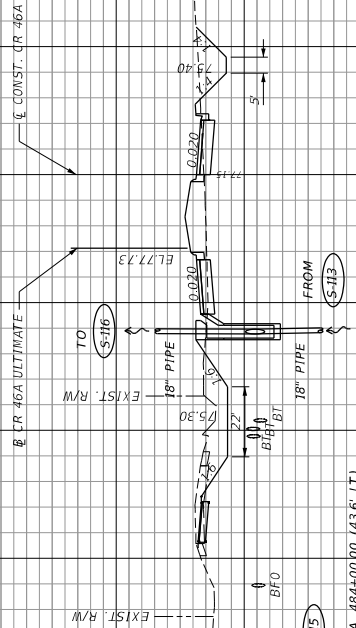
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
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PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01 WHERENOT?
---	--

STA. 470+00.00 (90.0' RT) DBT TYPE D INDEX NO'S 200, 201, AND 232 GRATE ELEV. 65.0 FL 61.7 (LT & RT)	STA. 469+72.00 (56.2' RT) MH TYPE P-8 INDEX NO'S 200 AND 201 RIM ELEV. 67.30 FL 61.5 (BK, AH & RT)
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SCALE 1" = 40' Horizontal 1" = 10' Vertical	SHEET NO. 83
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STA 484+00.00 (43.6' LT)
 INLET TYPE P-1
 INDEX NO'S 200 AND 210
 INLET ELEV. 77.39 (EOP)
 FL-72.4 (AH & BK)

SCALE	280	240	200	160	120	80	40	0	40	80	120	160	200	240	280
" = 40' Horizontal															
" = 10' Vertical															

CR 46A

S-115

484+00.00

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

PREPARED BY:
 CDM Smith
 2301 MAITLAND CENTER PARKWAY, SUITE 300
 MAITLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

ROAD NO. CR 46A
 COUNTY LAKE

FINANCIAL PROJECT ID 238275-8-52-01

WHEELER TP

DRAINAGE STRUCTURES

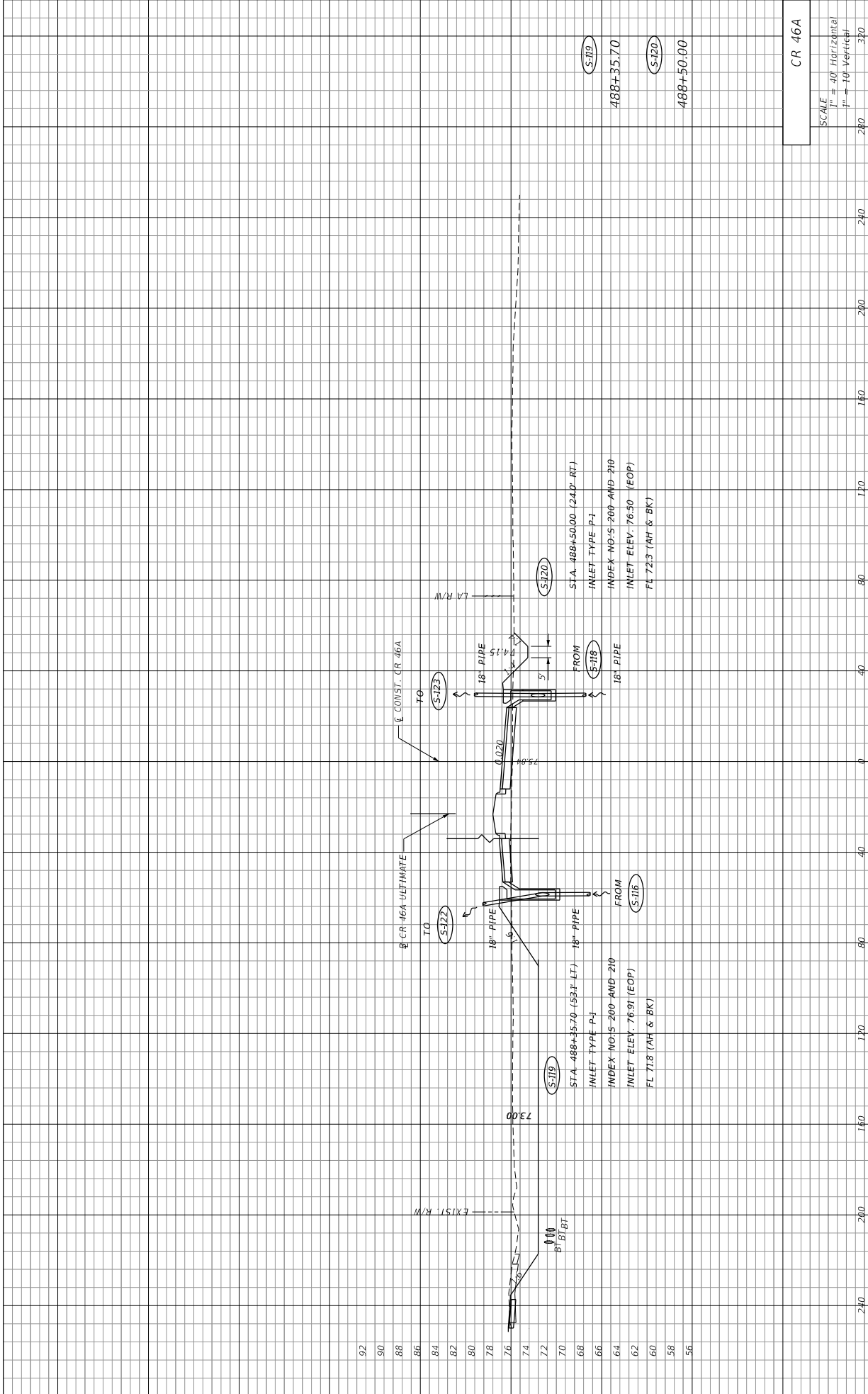
SHEET NO.

86

11/4/2015

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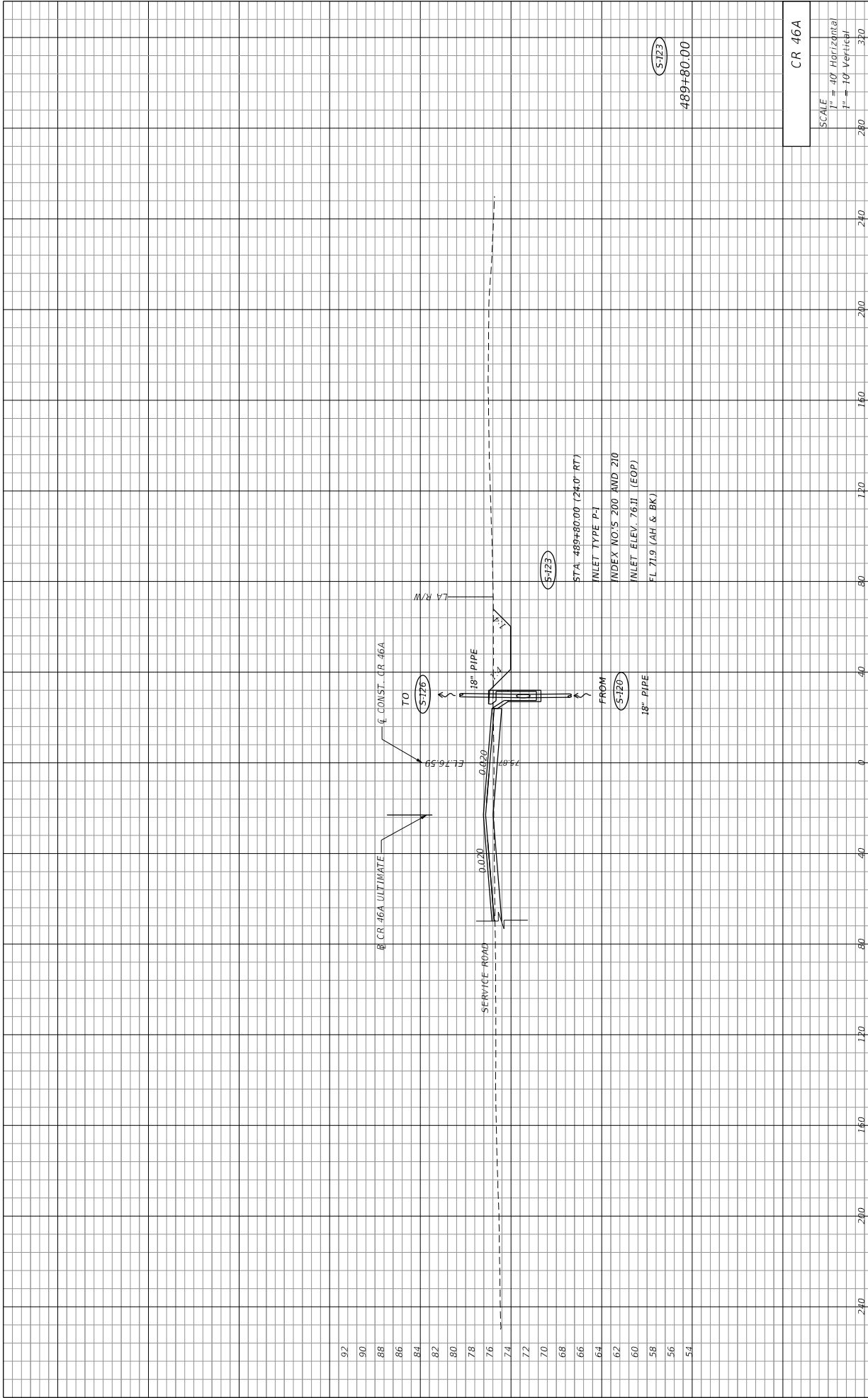


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PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 89
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SCALE 1" = 40' Horizontal 1" = 10' Vertical	280 240 200 160 120 80 40 0 40 80 120 160 200 240 280
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PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. CR 46A
 COUNTY LAKE
 FINANCIAL PROJECT ID 238275-8-52-01

CR 46A
 SCALE
 1" = 40' Horizontal
 1" = 10' Vertical
 SHEET NO. 90
 DATE 11/4/2015
 TIME 1:42:28 PM
 PROJECT C:\46a_Requirement\382756201.dwg
 DRAWN BY: DMS

DRAINAGE STRUCTURES

S-123
 489+80.00

S-123

S-120

STA. 489+80.00 (240' RT)
 MILE TYPE P-1
 INDEX NO.'S 200 AND 210
 MILE ELEV. 76.11 (EOP)
 FL 71.9 (AH & BK)

CR 46A ULTIMATE

TO S-126

FROM S-120

18" PIPE

18" PIPE

0.020

0.020

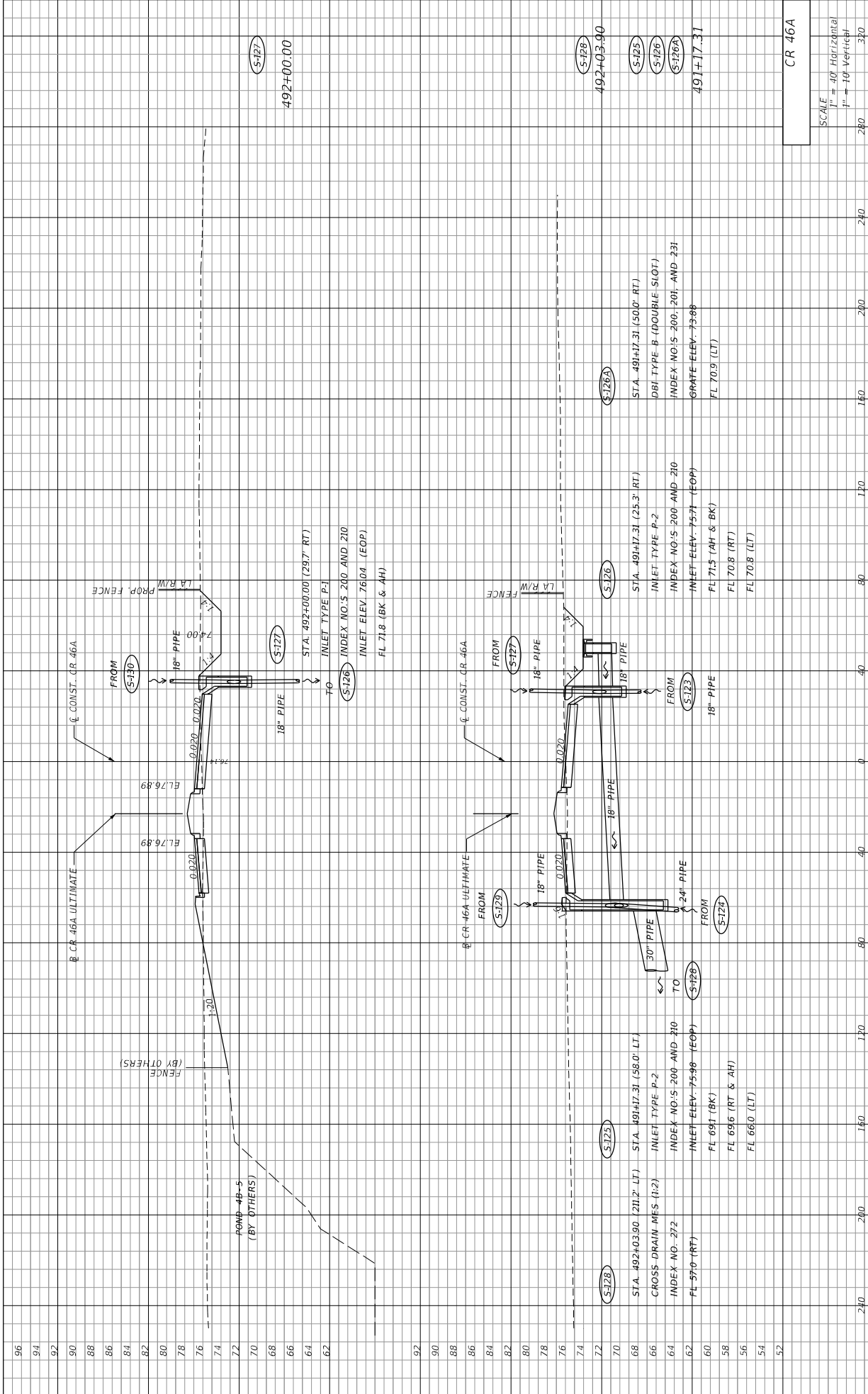
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ELEV. 76.59

E. CONST. CR 46A

M/R/W

SERVILE ROAD



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CR 46A

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO. CR 46A
 COUNTY LAKE
 FINANCIAL PROJECT ID 238275-8-52-01

PREPARED BY:
 CDM Smith
 2301 MAITLAND CENTER PARKWAY, SUITE 300
 MAITLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

DATE

DESCRIPTION

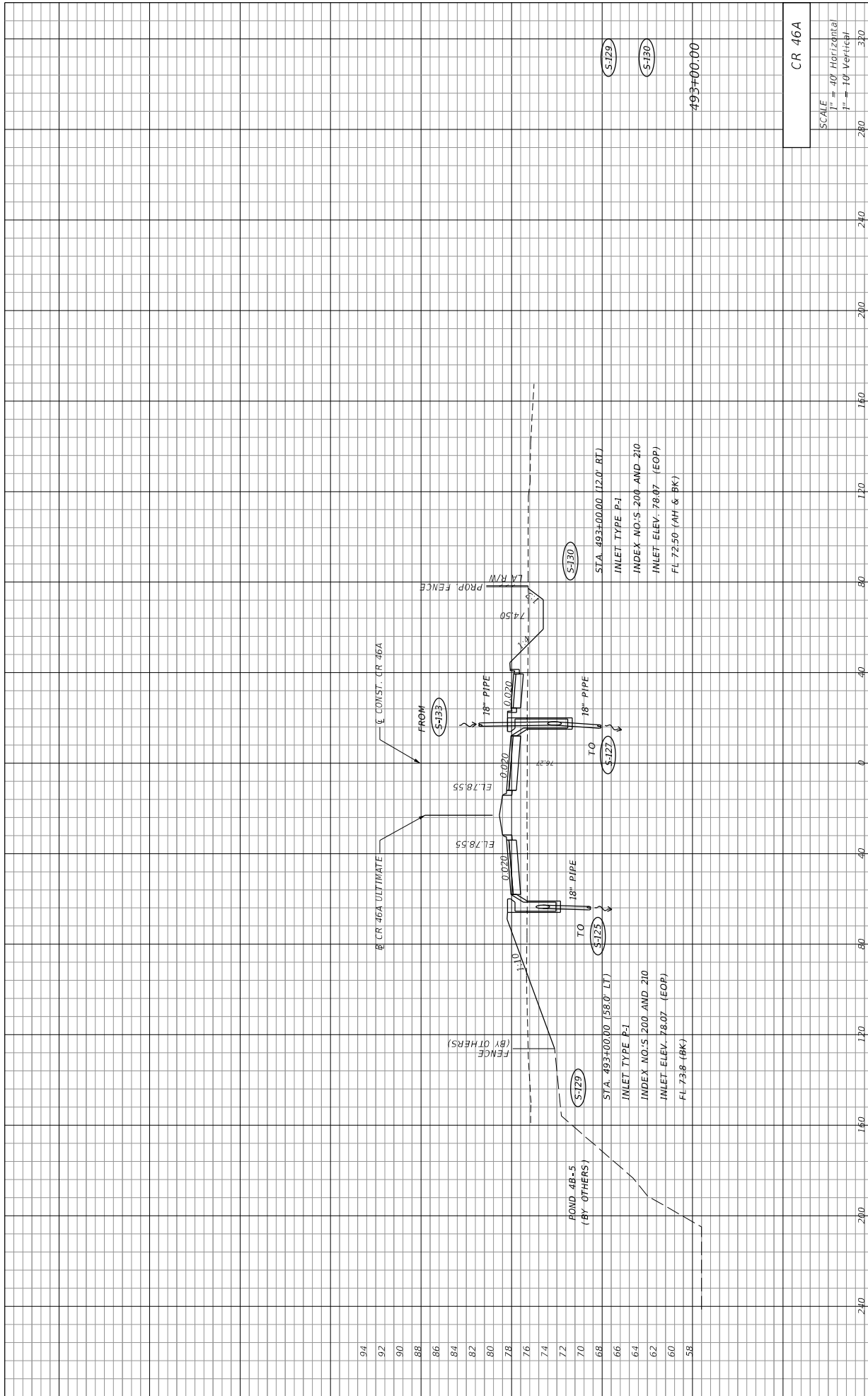
REVISIONS

DATE

DESCRIPTION

SHEET NO. 91

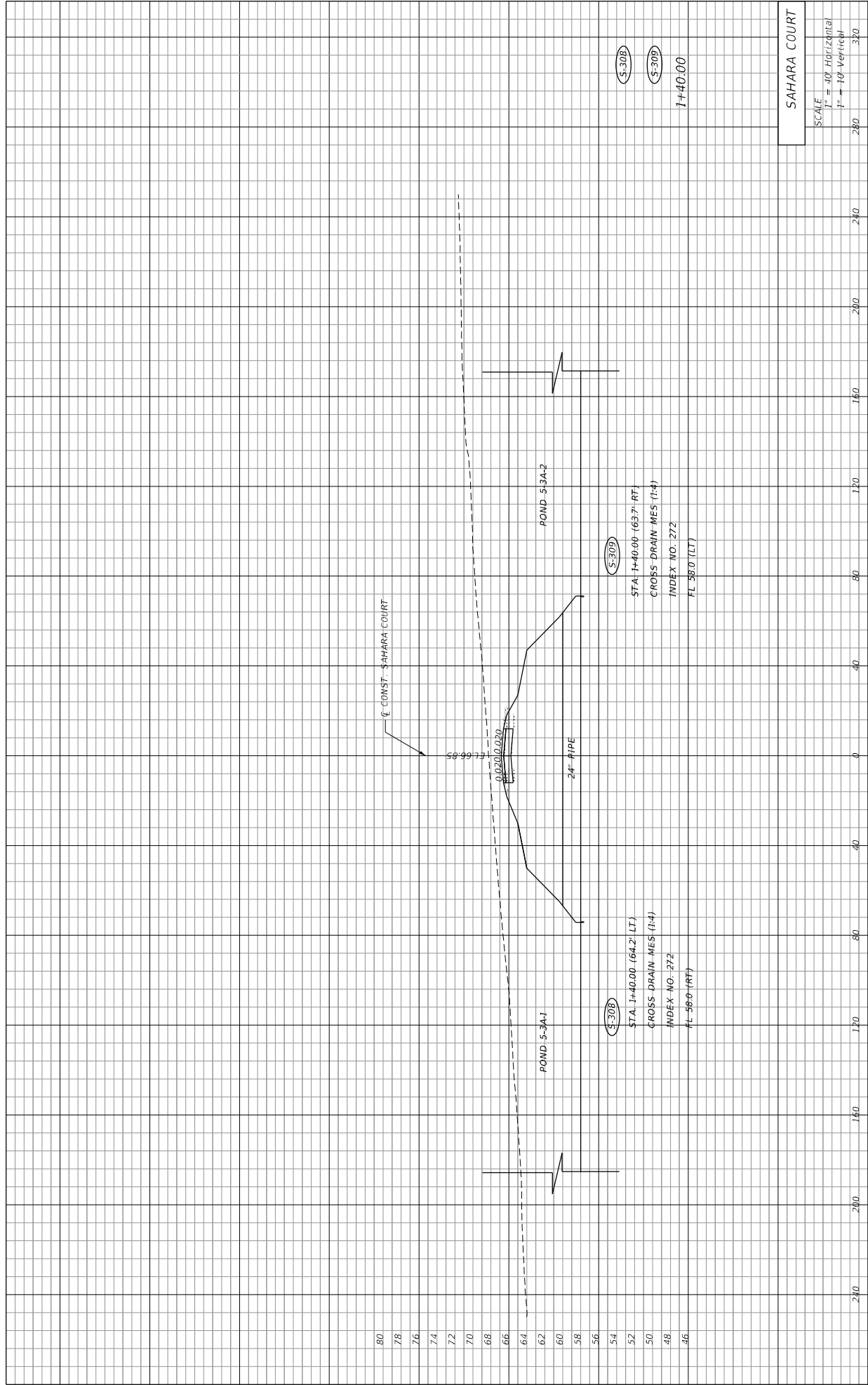
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DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
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PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	STREET NO. 92
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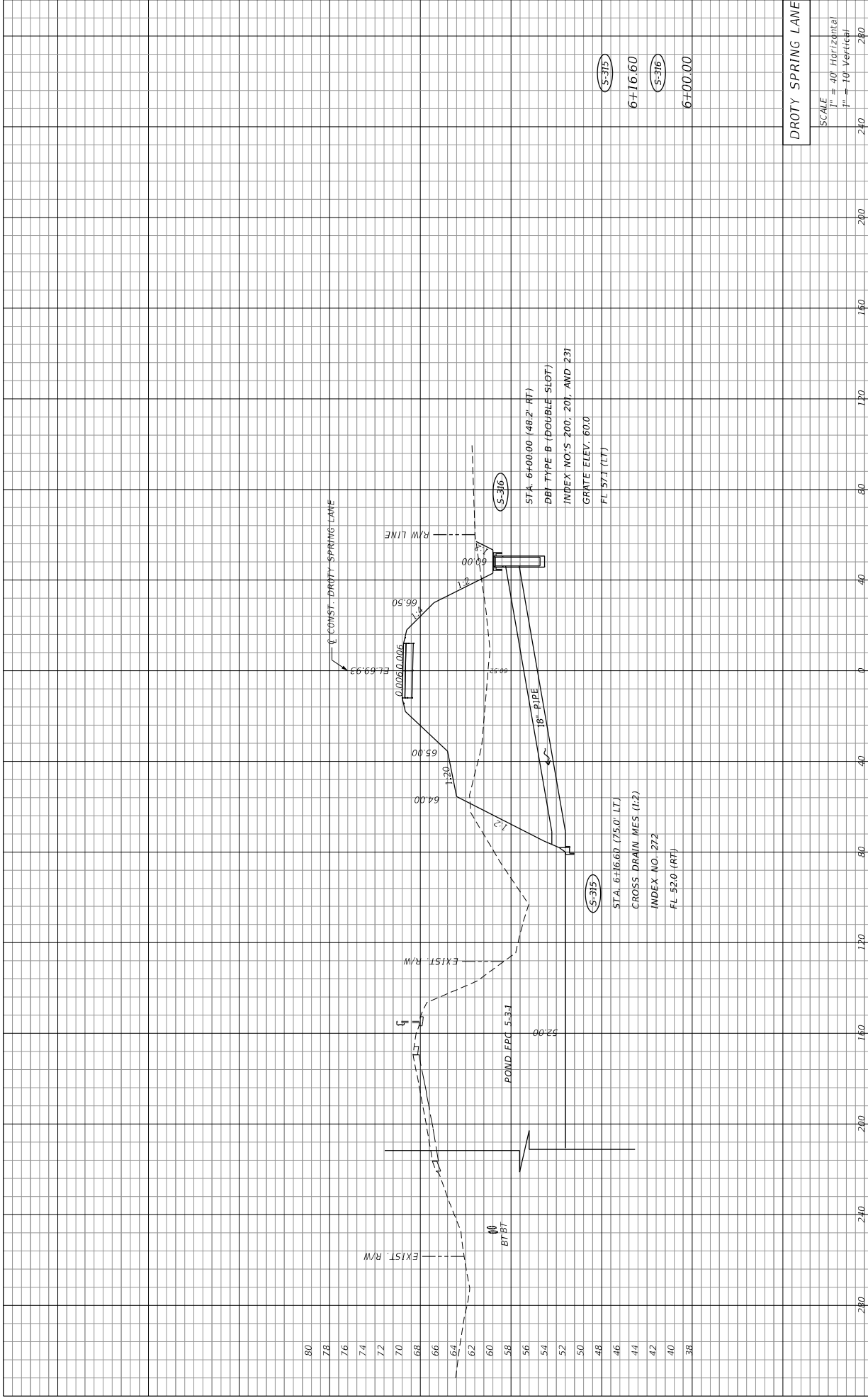
SCALE 1" = 40' Horizontal 1" = 10' Vertical	280	240	200	160	120	80	40	0	40	80	120	160	200	240	280
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DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
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SAHARA COURT	SCALE	SHEET NO.
1" = 40' Horizontal	1" = 10' Vertical	94



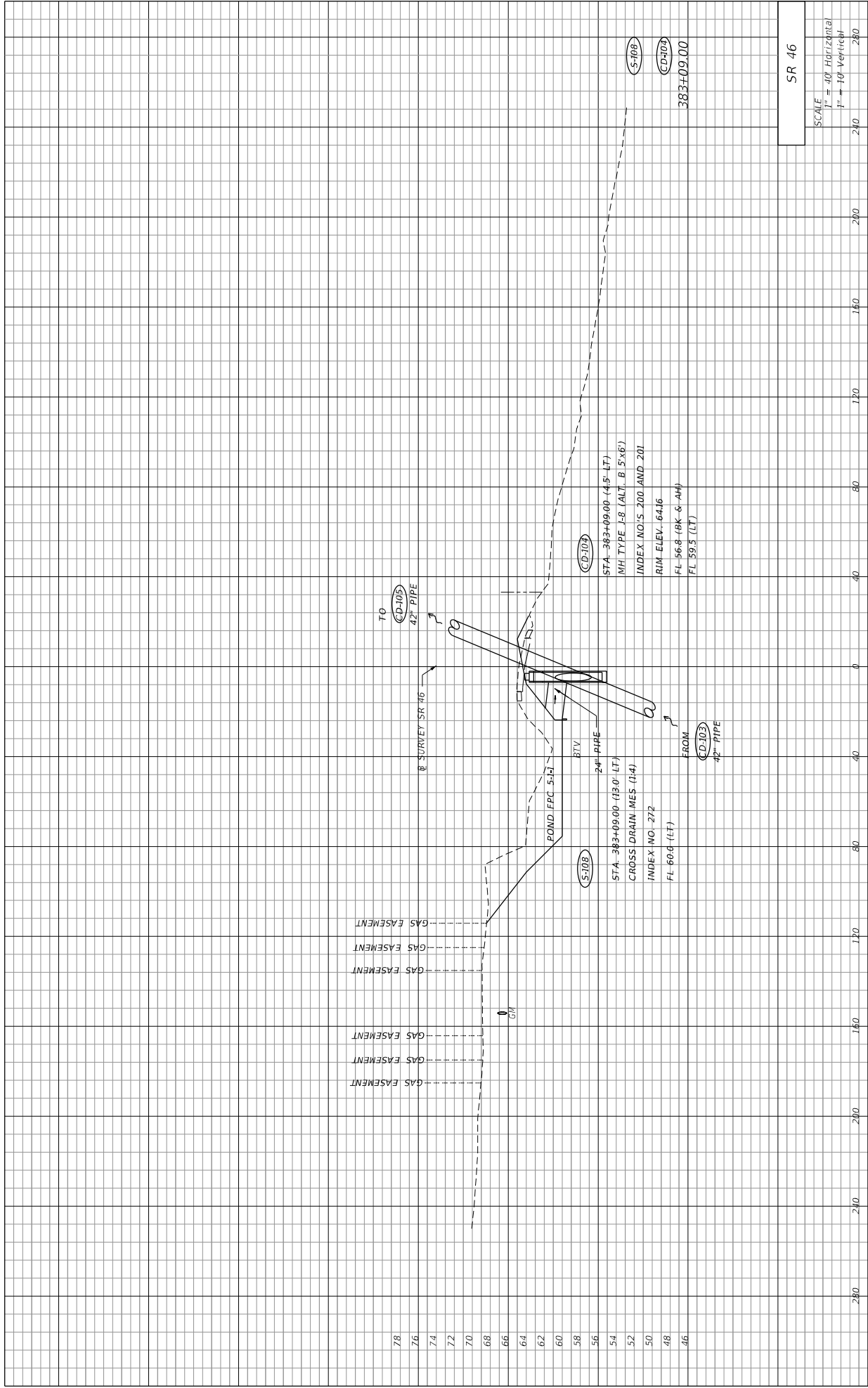
SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

DROTY SPRING LANE

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

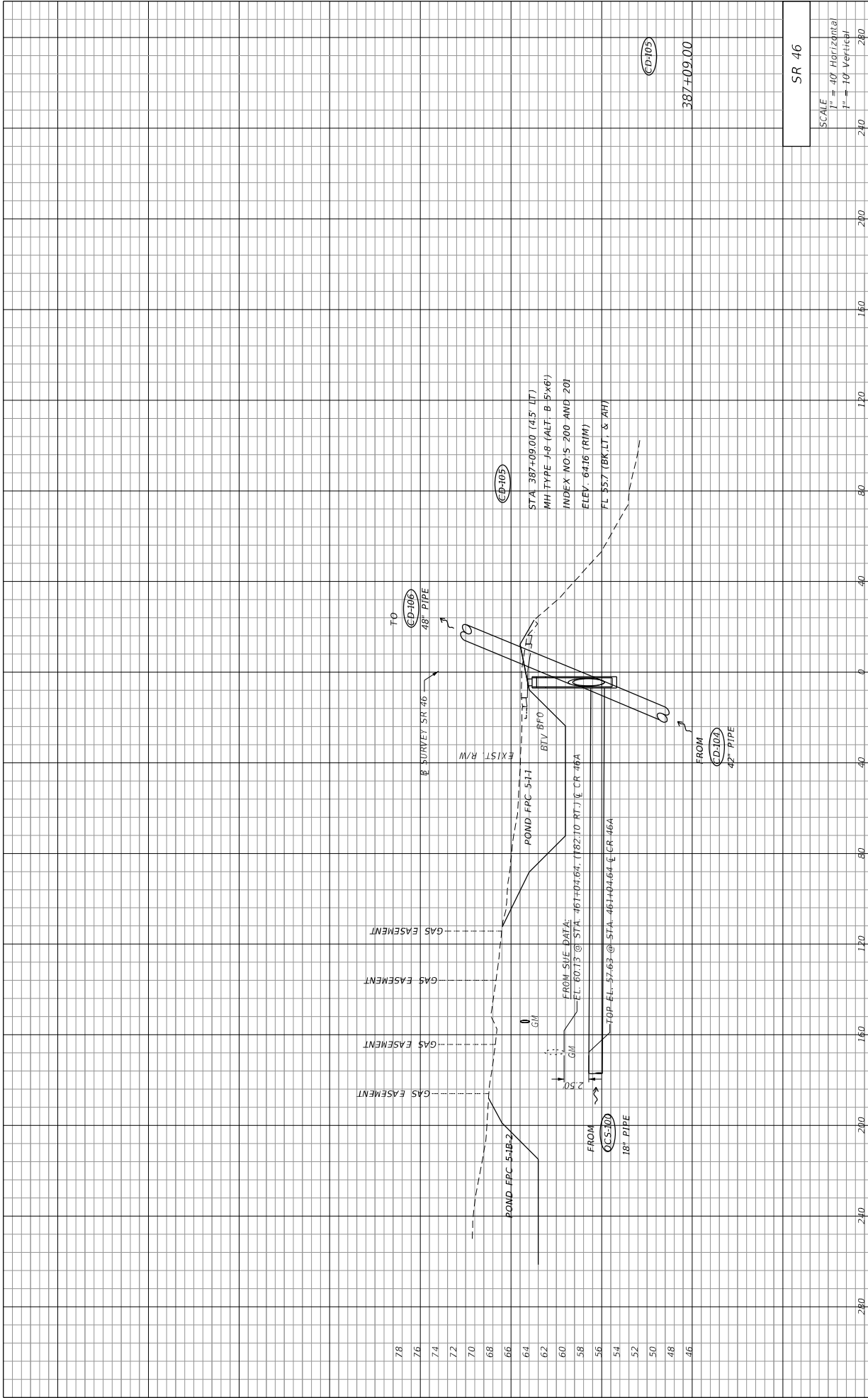
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
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SHEET NO.	95
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SR 46	
SCALE	240
1" = 40' Horizontal	280
1" = 10' Vertical	240

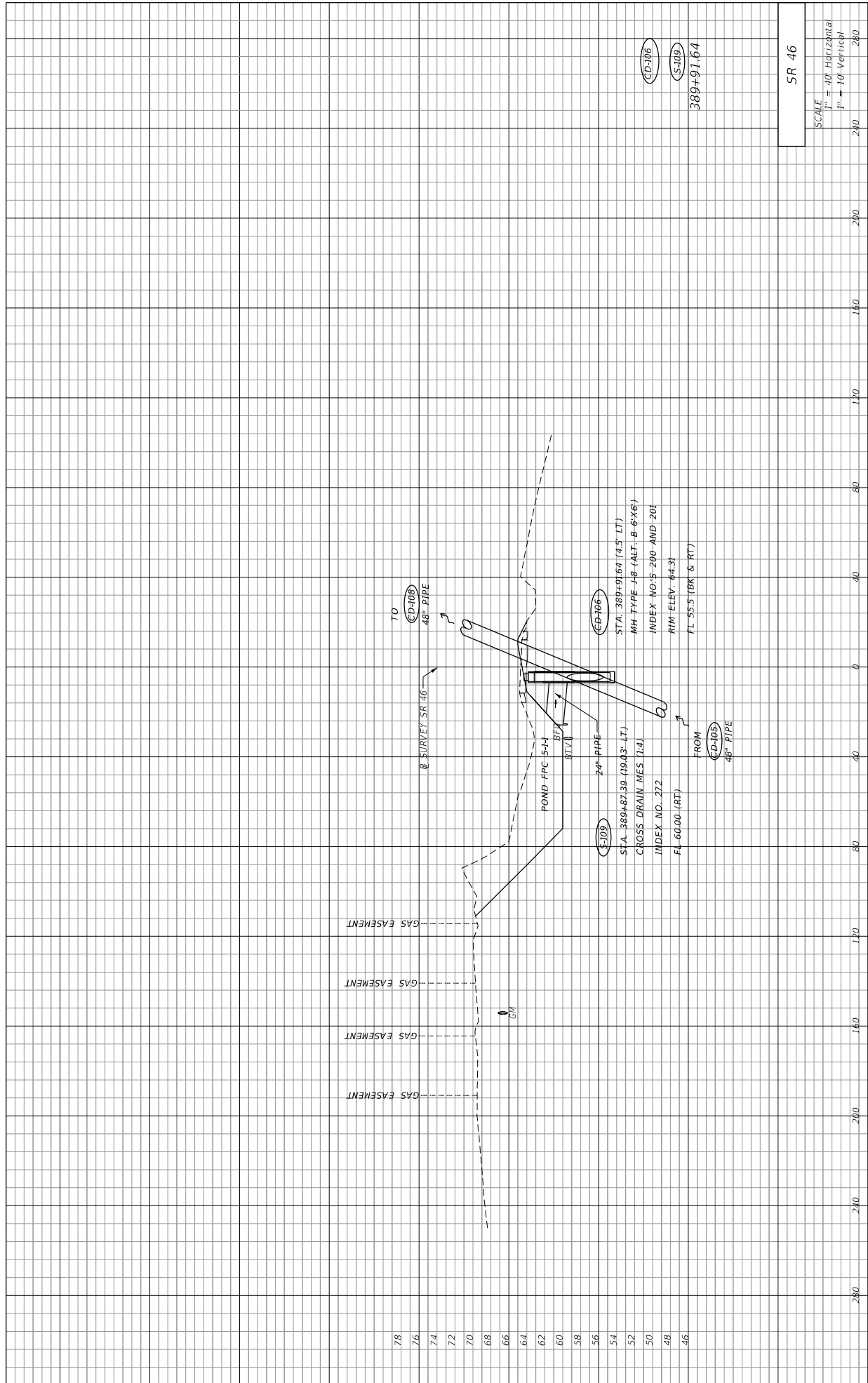
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	STATE OF FLORIDA COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01	SHEET NO. 96



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01
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SCALE 1" = 40' Horizontal 1" = 10' Vertical	SHEET NO. 97
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DATE	DESCRIPTION	REVISIONS						
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION			
NO.	DATE	DESCRIPTION						
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982		DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01						
STATE OF FLORIDA WHEELER TP		SHEET NO. 98 11/4/2015 1:46:44 PM C:\Projects\CR46A_Repairment\2382758201.dwg\DWG\SR46D04.dwg						

SR 46	
SCALE	240
1" = 40' Horizontal	280
1" = 10' Vertical	320

TO **(D-106)**
48" PIPE

(D-406)
STA. 389+91.64 (4.5' LT)
MH TYPE 18" (ALT. B 6"x6")
INDEX NO. S 200-AND, 201
RIM ELEV. 64.37
F.L. 55.5 (BK & RT)

(S-103)
24" PIPE
STA. 389+87.39 (19.03' LT)
GROSS DRAIN MES. 1:4
INDEX NO. 372
FL 60.00 (RT)

FROM **(D-103)**
48" PIPE

(D-106)
(S-103)
389+91.64

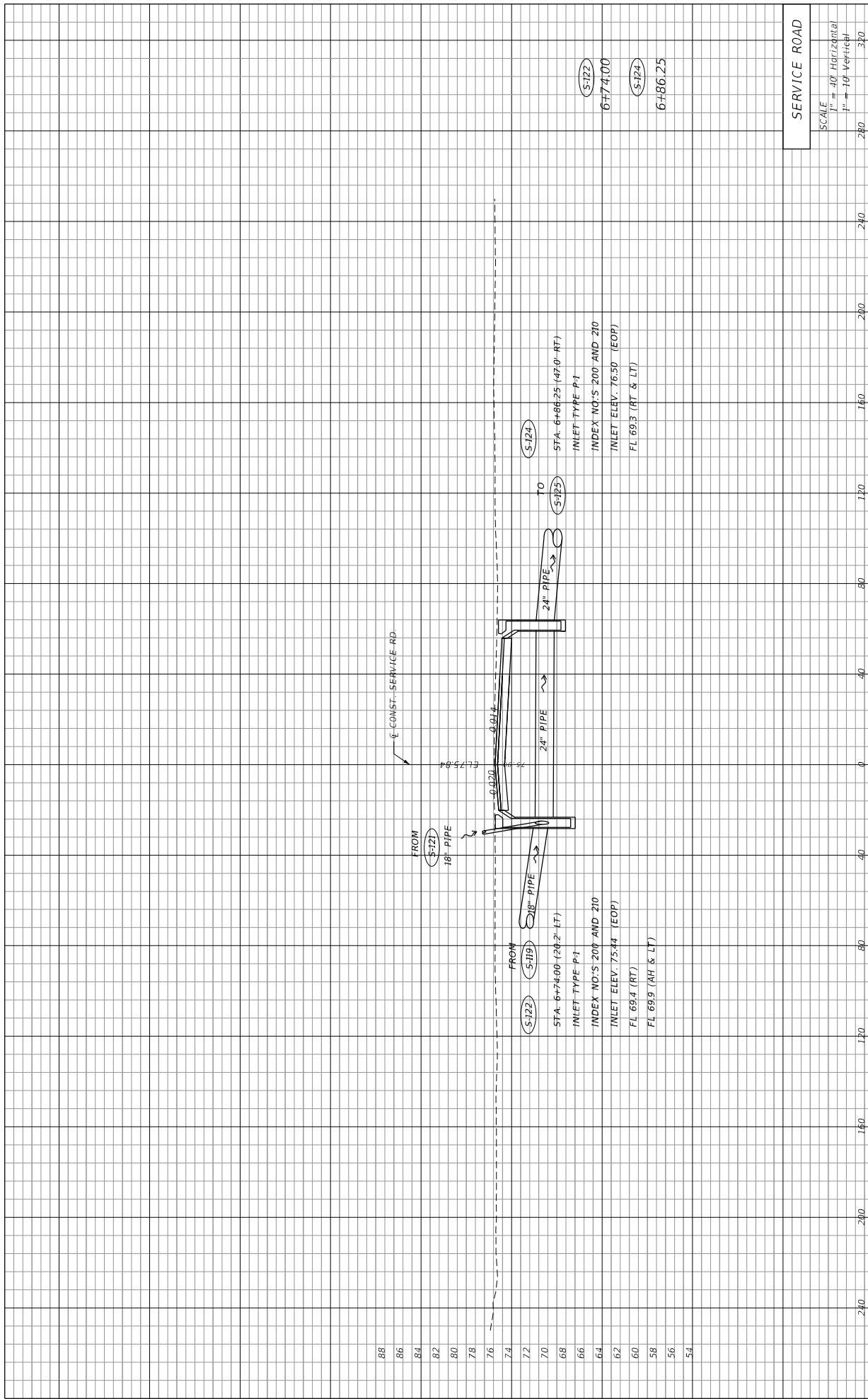
GAS EASEMENT

GAS EASEMENT

GAS EASEMENT

GAS EASEMENT

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DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
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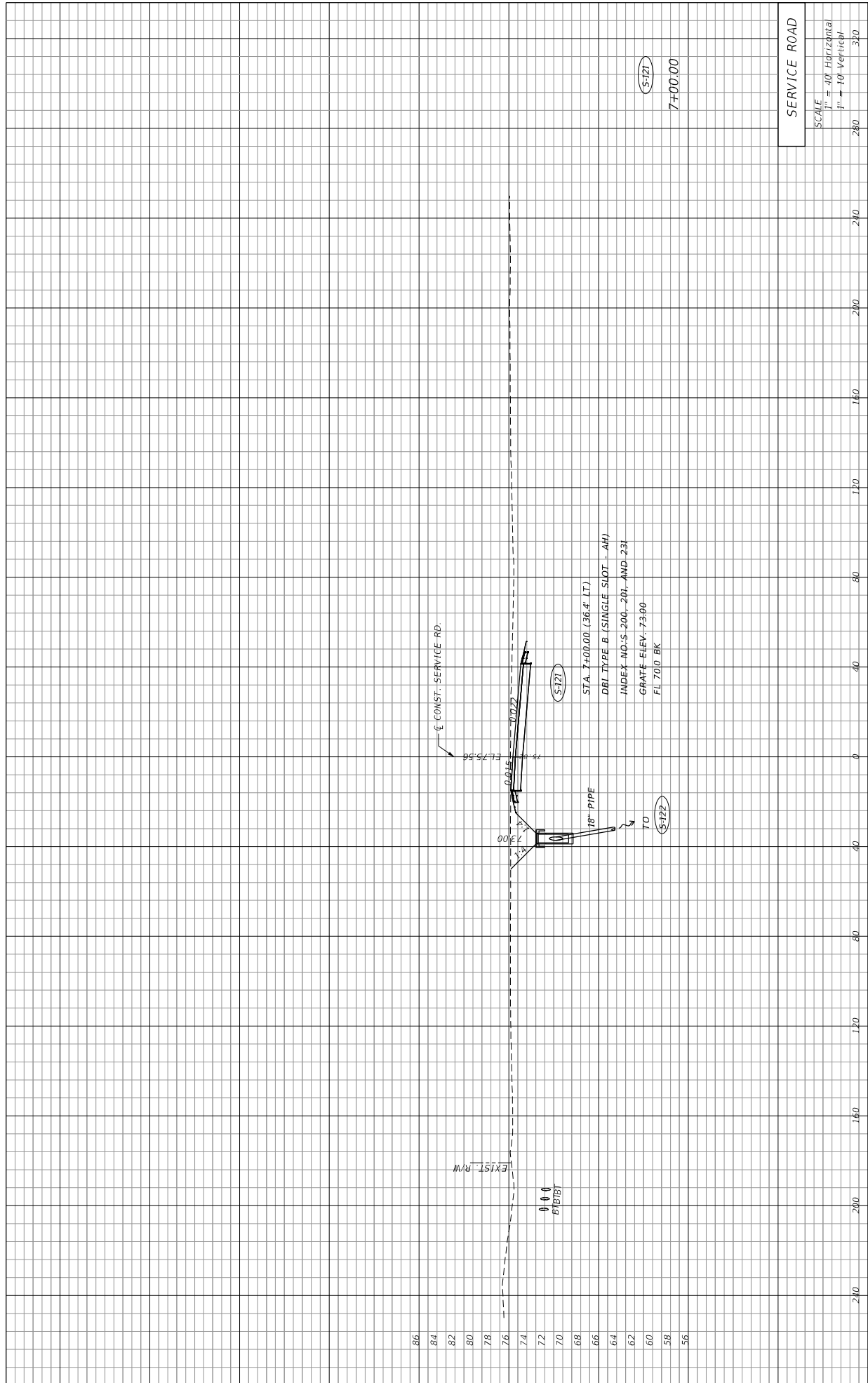
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238274-8-52-01	STATIONING: 240 200 160 120 80 40 0 40 80 120 160 200 240 280 320	DRAINAGE STRUCTURES	SHEET NO. 99
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11/14/2015

1:46:50 PM

WHEELEGITP

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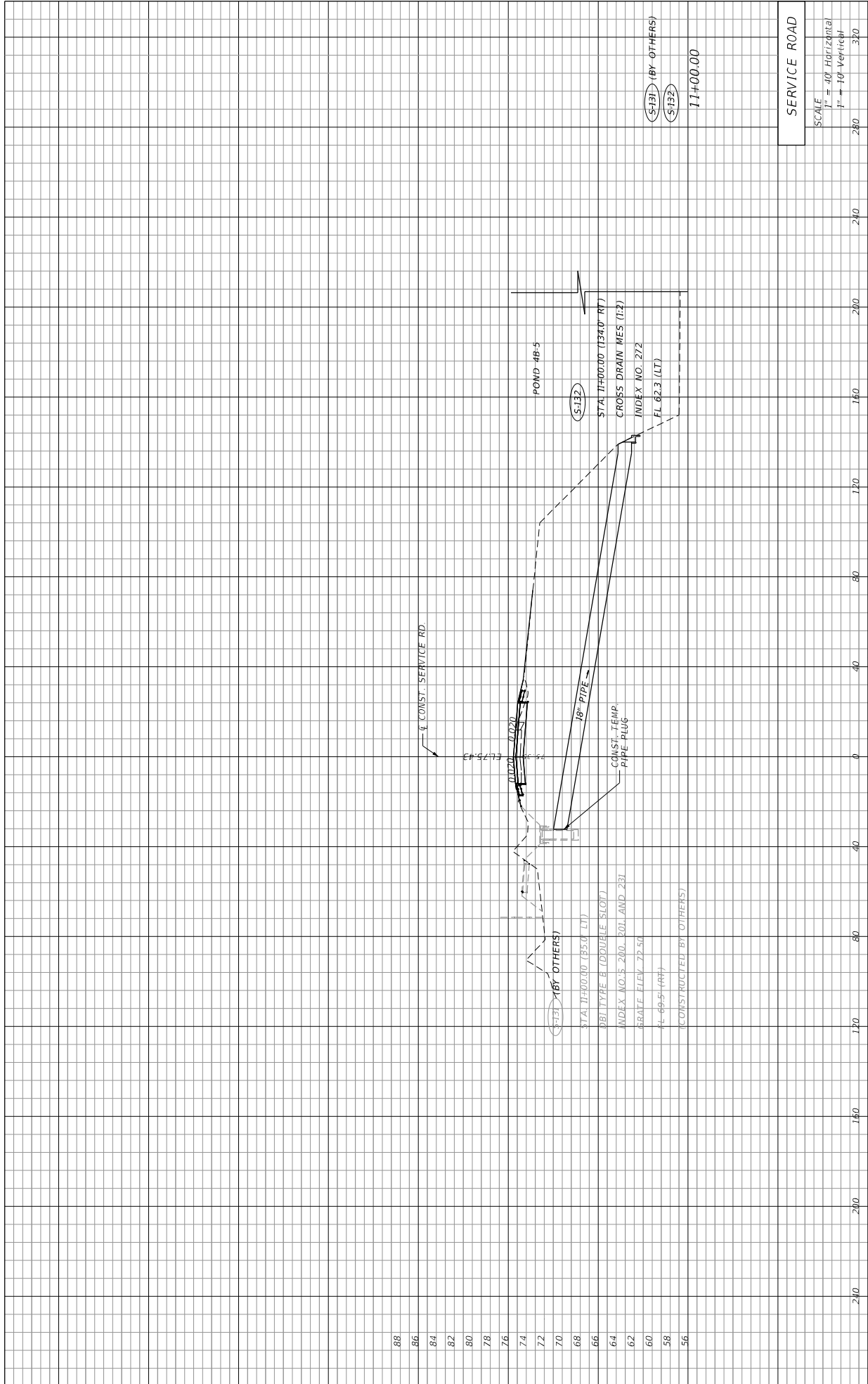
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
PREPARED BY: CDM Smith 2301 WATLAND CENTER PARKWAY, SUITE 300 WATLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 36982		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. CR 46A COUNTY LAKE FINANCIAL PROJECT ID 238275-8-52-01		
		DRAINAGE STRUCTURES		SHEET NO. 100
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86
84
82
80
78
76
74
72
70
68
66
64
62
60
58
56

SERVICE ROAD	
SCALE	
1" = 40' Horizontal	280
1" = 10' Vertical	320

(S-121)
7+00.00

(S-122)
70



SERVICE ROAD

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

SHEET NO.
 101

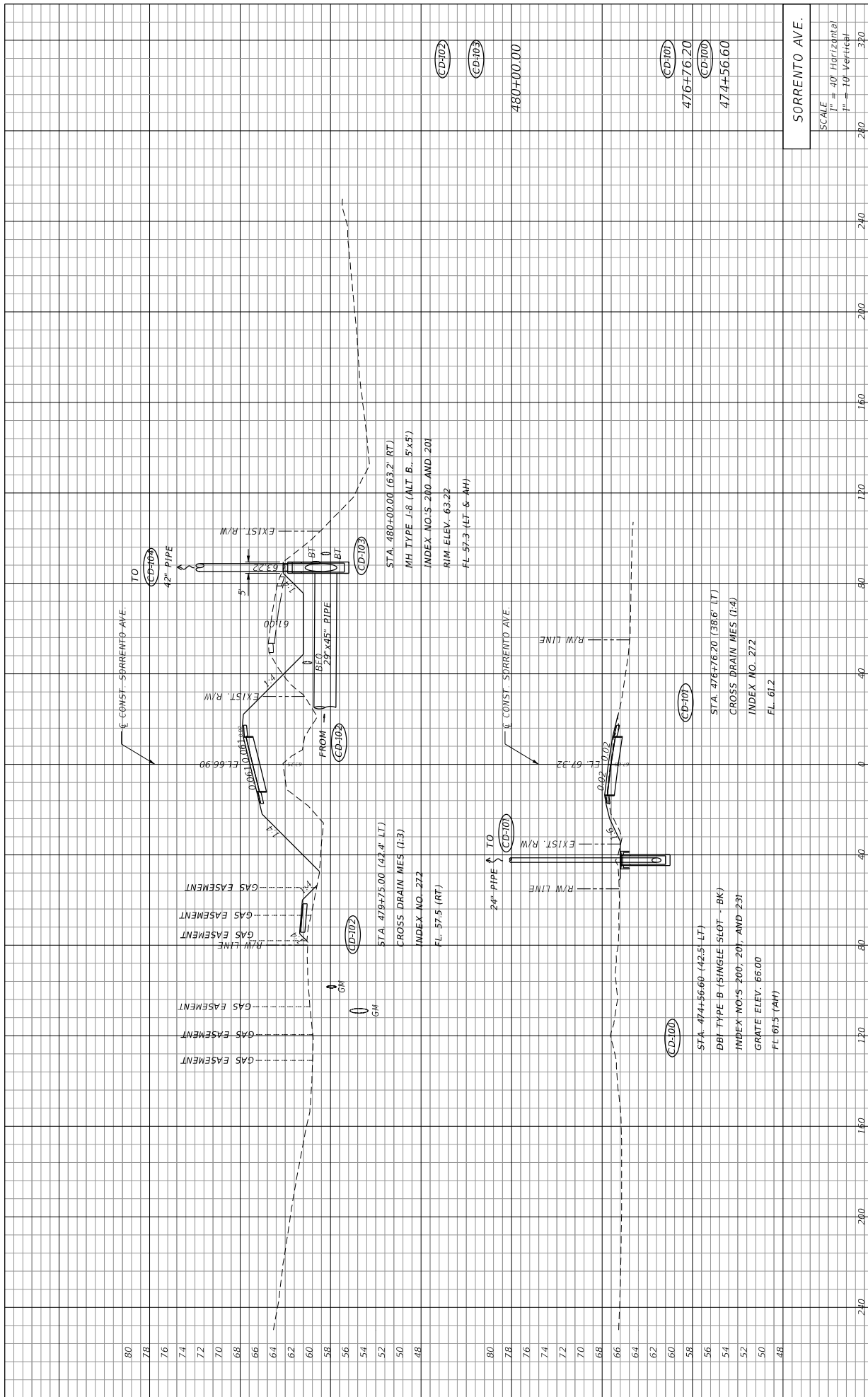
DRAINAGE STRUCTURES

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO. CR 46A
 COUNTY LAKE
 FINANCIAL PROJECT ID 238275-8-52-01

PREPARED BY:
 CDM Smith
 2301 WATLAND CENTER PARKWAY, SUITE 300
 WATLAND, FL 32751 - PHONE: (407) 660-2552
 ENGINEER OF RECORD
 PAUL O. SNEAD, P.E.
 P.E. NUMBER: 36982

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION



DATE	REVISIONS	DESCRIPTION

PREPARED BY: CDM Smith 2301 MAITLAND CENTER PARKWAY, SUITE 300 MAITLAND, FL 32751 - PHONE: (407) 660-2552 ENGINEER OF RECORD PAUL O. SNEAD, P.E. P.E. NUMBER: 30982	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY LAKE	FINANCIAL PROJECT ID 238275-8-52-01
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SHEET NO.		
102		

SORRENTO AVE.			
SCALE	1" = 40' Horizontal	1" = 10' Vertical	
	280	240	200