CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MAKING PLANS
SIGNALIZATION PLANS
LIGHTING PLANS

TOTAL PAGES : 76

SUMMARY SHEETS

1474012- SUPPLEMENTAL AGREEMENT
1474013- WORK ORDER
1474007- FUEL ADJUSTMENTS
1474006- BIT ADJUSTMENTS
1474008- MOT
1474010/147011- STRIPING
1474042- NOI
1474038- CONTRACT TIME
1474036- OTHER ADJUSTMENTS

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*GR-2	AUGER BORINGS RESULTS

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GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY2019-20 Design Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://fdot.gov/design/standardplans

APPLICABLE IRs: N/A

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2019 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

REVISIONS:

FINANCIAL PROJECT ID 435660-2-52-01

1 Roadway Sheet 12, 13 (Revised 03/12/20)
2 Roadway Sheet 9, 13, 15, 20, 22, 36 (Revised 03/26/20)
3 Roadway Sheet 8, 9, 13, 19 (Revised 05/15/20)

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

FINAL AS-BUILT PLANS

~~CONTRACT PLANS~~

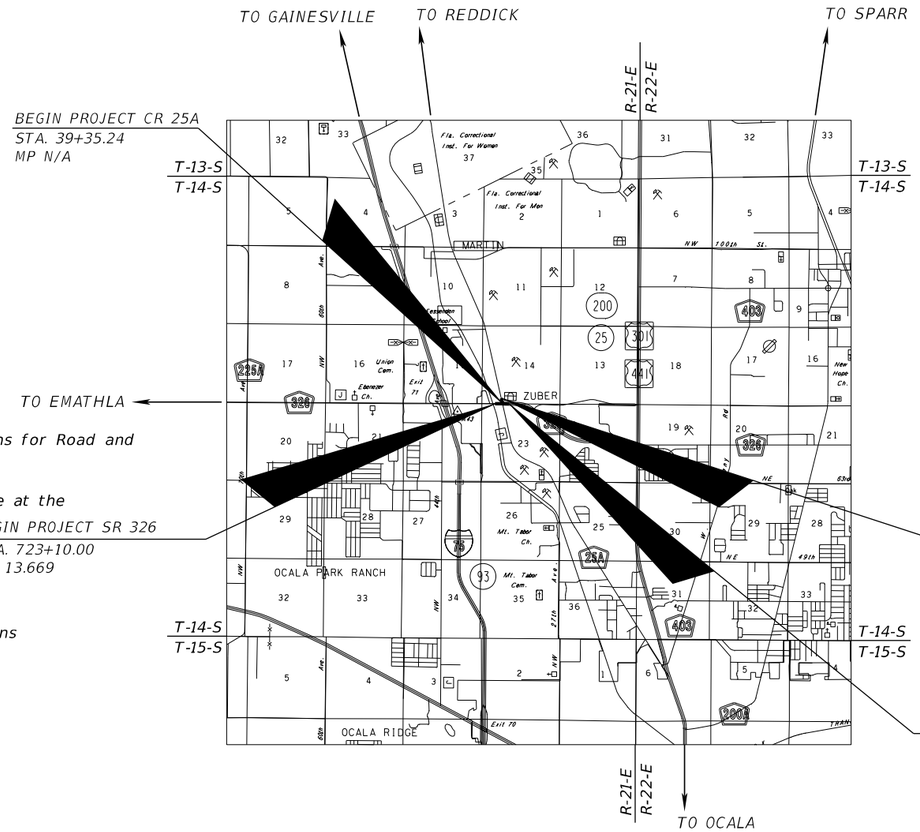
FINANCIAL PROJECT ID 435660-2-52-01

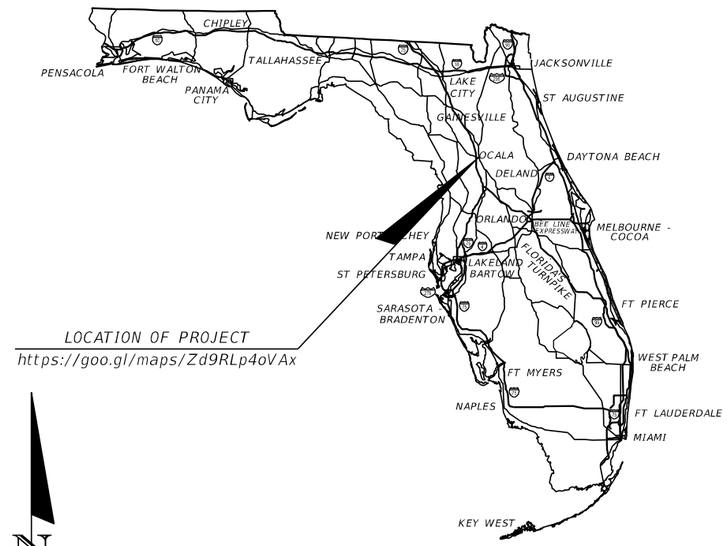
(FEDERAL FUNDS)

MARION COUNTY (36180)

STATE ROAD NO.326 (NW. 77TH ST.)

SR 326 (NW. 77TH ST.) AT CR 25A INTERSECTION WIDENING





ROBERT W. NEIL LICENSE No 43370 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Robert W Neil

Digitally signed by Robert W Neil
Date: 2020.05.15 12:46:22 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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

ROADWAY PLANS:

ENGINEER OF RECORD:

ROBERT NEIL, P.E.
P.E. NO.: 43370
SRD, INC.
3812 COCONUT PALM DR., STE. 100
TAMPA, FL 33619
CONTRACT NO.: C-9K73
VENDOR NO.: 65-1080679
CERTIFICATE OF AUTHORIZATION NO.: 00008828

FDOT PROJECT MANAGER:

ELIODE JOSEPH, P.E.

Name of Prime Contractor: Heavy Civil Inc.
Name of Prime Consultant: AE Engineering
District Secretary: Jared Perdue, P.E.
Project Administrator: Brian Qualls
Resident Engineer: Christopher Nolen, P.E.
Project Manager: Denise Larkin
Work Started: March 12, 2020
Work Final Accepted: January 20, 2021

KEY SHEET REVISIONS	
DATE	DESCRIPTION

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5674	20	1

SEE SHEET 1A FINAL "AS-BUILT" SIGNATURE SHEET - FOR CHANGES

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

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MAKING PLANS
SIGNALIZATION PLANS
LIGHTING PLANS

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APPLICABLE IRs: N/A

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2019 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

REVISIONS:

FINANCIAL PROJECT ID 435660-2-52-01

1 Roadway Sheet 12, 13 (Revised 03/12/20)

2 Roadway Sheet 9, 10, 15, 20, 22, 36 (Revised 03/26/20)

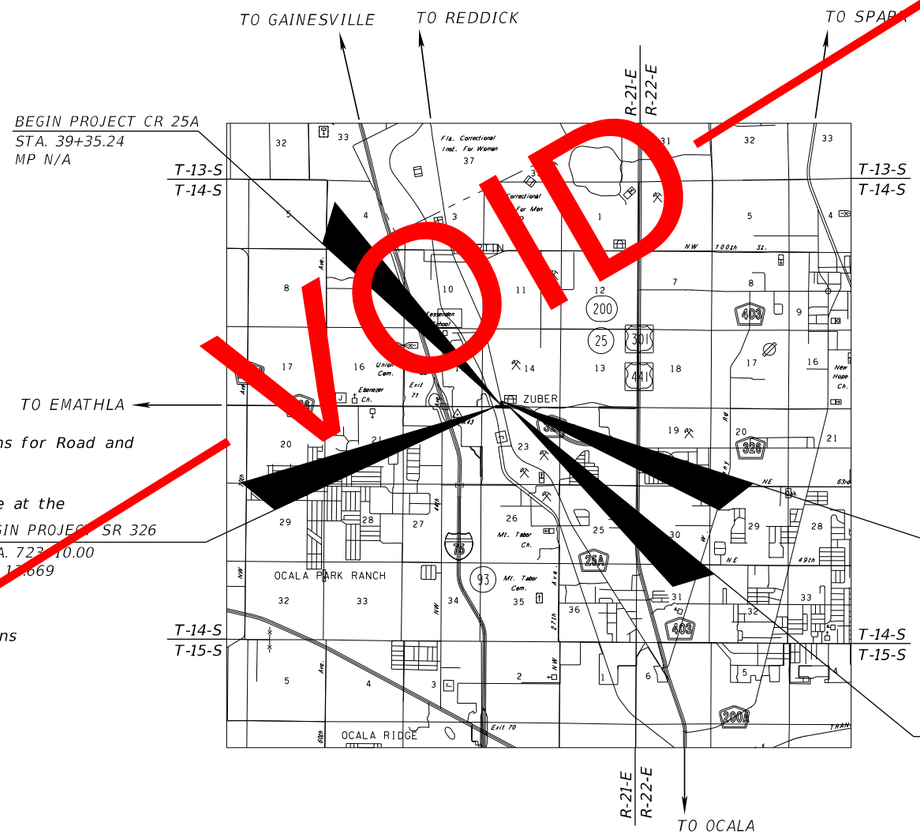
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

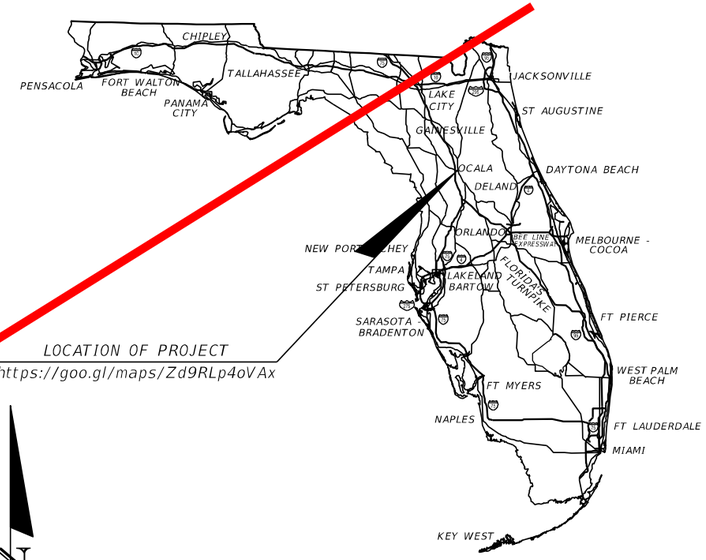
FINANCIAL PROJECT ID 435660-2-52-01

(FEDERAL FUNDS)
MARION COUNTY (36180)

STATE ROAD NO.326 (NW. 77TH ST.)
SR 326 (NW. 77TH ST.) AT CR 25A INTERSECTION WIDENING



VOID



LOCATION OF PROJECT
https://goo.gl/maps/Zd9RLp4oVAx

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ROBERT W. NEIL
LICENSE
No 43370
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ON THE DATE ADJACENT TO THE SEAL

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Robert W Neil

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Date: 2020.03.26 15:51:47 -04'00'

ROADWAY PLANS:
ENGINEER OF RECORD:

ROBERT NEIL, P.E.
P.E. NO.: 43370
SRD, INC.
3812 COCONUT PALM DR., STE. 100
TAMPA, FL 33619
CONTRACT NO.: C-9K73
VENDOR NO.: 65-1080679
CERTIFICATE OF AUTHORIZATION NO.: 00008828

KEY SHEET REVISIONS

DATE	DESCRIPTION

FDOT PROJECT MANAGER:

ELIODE JOSEPH, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5674	20	1

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CONTRACT PLANS COMPONENTS

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REVISIONS:

FINANCIAL PROJECT ID 435660-2-52-01

⚠ Roadway Sheet 12, 13 (Revised 03/12/20)

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

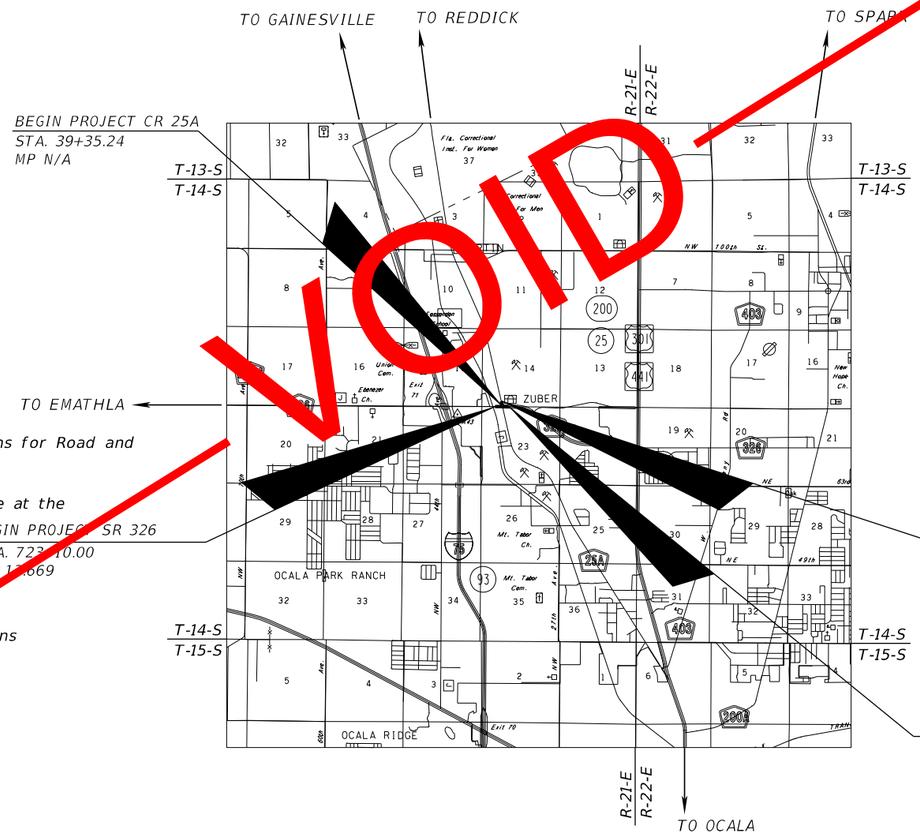
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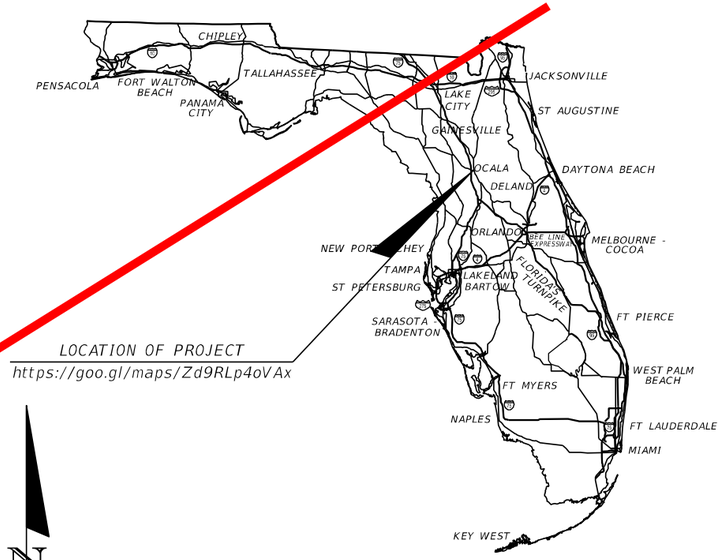
(FEDERAL FUNDS)

MARION COUNTY (36180)

STATE ROAD NO.326 (NW. 77TH ST.)

SR 326 (NW. 77TH ST.) AT CR 25A INTERSECTION WIDENING





LOCATION OF PROJECT
https://goo.gl/maps/Zd9RLp4oVAx

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ROBERT W. NEIL
LICENSE
No 43370
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ROADWAY PLANS:

ENGINEER OF RECORD:

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KEY SHEET REVISIONS

DATE	DESCRIPTION

FDOT PROJECT MANAGER:

ELIODE JOSEPH, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5674	20	1

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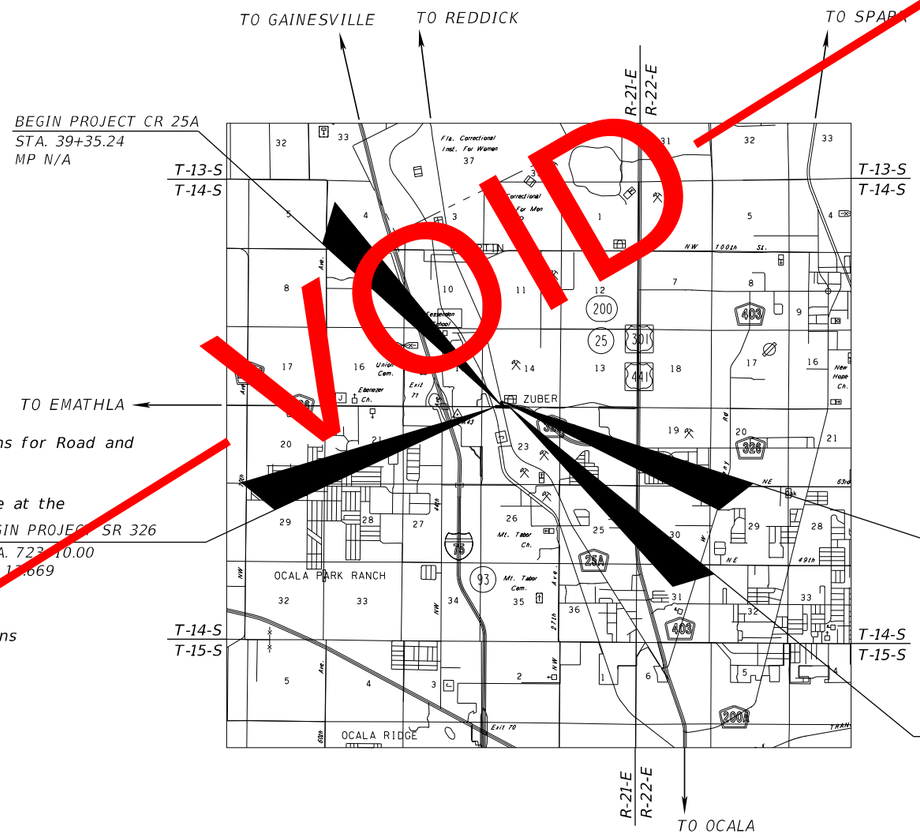
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

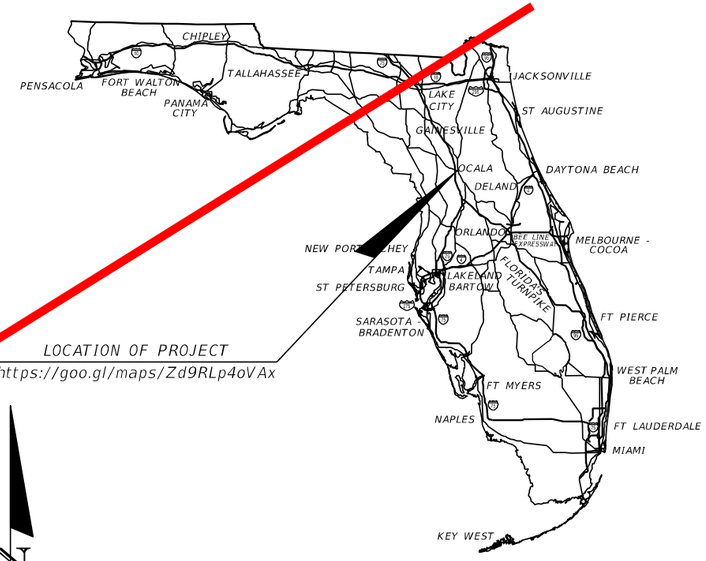
CONTRACT PLANS

FINANCIAL PROJECT ID 435660-2-52-01

(FEDERAL FUNDS)
MARION COUNTY (36180)

STATE ROAD NO.326 (NW. 77TH ST.)
SR 326 (NW. 77TH ST.) AT CR 25A INTERSECTION WIDENING





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ROBERT W. NEIL
LICENSE
No 43370
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ROADWAY PLANS:
ENGINEER OF RECORD:

ROBERT NEIL, P.E.
P.E. NO.: 43370
SRD, INC.
3812 COCONUT PALM DR., STE. 100
TAMPA, FL 33619
CONTRACT NO.: C-9K73
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CERTIFICATE OF AUTHORIZATION NO.: 00008828

FDOT PROJECT MANAGER:

ELIODE JOSEPH, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5674	20	1

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Christopher G Nolen

Digitally signed by Christopher G Nolen
Date: 2021.02.18 15:58:36 -05'00'

CHRISTOPHER G. NOLEN LICENSE No. 74690 STATE OF FLORIDA PROFESSIONAL ENGINEER

STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 74690

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY Christopher G. Nolen, P.E.
ON THE DATE INDICATED HERE

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AE ENGINEERING, INC.
219 N. NEWNAN STREET, FOURTH FLOOR
JACKSONVILLE, FLORIDA 32202
CERTIFICATION OF AUTHORIZATION: 27212

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING CHANGES, INDICATED IN RED LINE REVISION, IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C. THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THESE PLANS AS PROVIDED BY THE ENIGEER OF RECORD.

SHEET CHANGES

SUMMARY OF QUANTITIES
SHEET(S) SQ-1 TO SQ-7 - ADDED FINAL QUANTITIES

SUMMARY OF DRAINAGE
SHEET(S) 7- ADDED FINAL QUANTITIES

TYPICAL SECTIONS
SHEET(S) 4-6

OPTIONAL MATERIALS TABULATION
SHEET(S) 8-9

ROADWAY PLANS
SHEET(S) 13

DRAINAGE STRUCTURES
SHEET(S) 19

Date	Name	Position (Title)	Review Type, If Applicable
RESIDENT OFFICE			
06/02/2020	Rafael Castro (30% QAR)	CSS	OA
DISTRICT OFFICE			
11/20/2020	Angela Mann (60% Review)	CSS II	OC

REVISIONS				AE ENGINEERING 2801 SW College Rd. Unit #23 Ocala, Fl. 34474	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			FINAL "AS-BUILT" SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 326	MARION	435660-2-52-01		1A

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T5674

LEAD PROJECT : 435660-2-52-01 | DISTRICT : 05 | COUNTY/SECTION : 36180000

PROJECT(S) : 43566025201 | COUNTY : MARION

0001 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43566025201	QUANTITY TOTAL
		0101- 1-	MOBILIZATION 43566025201	LS	1.000	1.000
		0102- 1-	MAINTENANCE OF TRAFFIC 43566025201	(LS)	1.000	1.000
		0102- 4-	PEDESTRIAN SPECIAL DETOUR 43566025201	(LS)	1.000	1.000
		0102- 14-	TRAFFIC CONTROL OFFICER	HR	56.000	56.000
		0102- 60-	WORK ZONE SIGN	ED	3110.000	3110.000
		0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	444.000	444.000
		0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	432.000	432.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	2690.000	2690.000
		0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	55.000	55.000
		0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	760.000	760.000
		0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	239.000	239.000
		0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	816.000	816.000
		0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	190.000	190.000
		0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	190.000	190.000
		0104- 10- 3	SEDIMENT BARRIER	LF	433.000	433.000
		0104- 18-	INLET PROTECTION SYSTEM	EA	11.000	11.000
		0107- 1-	LITTER REMOVAL	AC	11.180 N	11.180
		0107- 2-	MOWING	AC	7.990 N	7.990
		0110- 1- 1	CLEARING & GRUBBING 43566025201	(LS)	1.000	1.000
		0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	570.000	570.000
		0110- 7- 1	MAILBOX, F&I SINGLE	EA	1.000	1.000
		0120- 1-	REGULAR EXCAVATION	CY	1166.100	1166.100
		0120- 4-	SUBSOIL EXCAVATION	CY	1227.300	1227.300
		0120- 6-	EMBANKMENT	CY	1479.400	1479.400
		0160- 4-	TYPE B STABILIZATION	SY	1219.000	1219.000
		0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	1186.000	1186.000
		0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	6474.000	6474.000
		0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	136.300	136.300
		0334- 1- 14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	TN	93.500	93.500
		0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	218.400	218.400
		0337- 7- 85	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC D, FC-12.5, PG 76-22	TN	412.100	412.100
		0425- 1-311	INLETS, CURB, TYPE P-1, <10'	EA	2.000	2.000
		0425- 1-321	INLETS, CURB, TYPE P-2, <10'	EA	1.000	1.000
		0425- 1-341	INLETS, CURB, TYPE P-4, <10'	EA	2.000	2.000
		0425- 1-521	INLETS, DT BOT, TYPE C,<10'	EA	1.000	1.000
		0425- 1-541	INLETS, DT BOT, TYPE D, <10'	EA	1.000	1.000
		0425- 2- 61	MANHOLES, P-8, <10'	EA	2.000	2.000
		0425- 2- 91	MANHOLES, J-8, <10'	EA	1.000	1.000
		0425- 2- 93	MANHOLES, J-8, PARTIAL	EA	2.000	2.000
		0425- 5-	MANHOLE, ADJUST	EA	1.000	1.000

09/30/2019 09:42:01 AM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T5674

LEAD PROJECT : 435660-2-52-01 | DISTRICT : 05 | COUNTY/SECTION : 36180000

PROJECT(S) : 43566025201 | COUNTY : MARION

0001 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43566025201	QUANTITY TOTAL
		0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	586.000	586.000
		0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	46.000	46.000
		0440- 1- 10	UNDERDRAIN, TYPE I	LF	66.000	66.000
		0440- 73- 2	UNDERDRAIN OUTLET PIPE, 6"	LF	16.000	16.000
		0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	839.000	839.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	165.000	165.000
		0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	204.000	204.000
		0527- 2-	DETECTABLE WARNINGS	SF	32.000	32.000
		0570- 1- 1	PERFORMANCE TURF	SY	1558.000	1558.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY	361.000	361.000
		0570- 1- 3	PERFORMANCE TURF, SOD AND SOIL- SHOULDER TREATMENT INDEX 570-010	SY	126.000	126.000
A		0639- 8- 16	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), PROJECT 435660-2-52-01 (DO NOT BID) 43566025201	LS	1.000	1.000
		0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.647	0.647
		0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	686.000	686.000
		0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	121.000	121.000
		0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.060	0.060
		0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	1.000	1.000
		0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	8.000	8.000
		0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.329	0.329
		0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	30.000	30.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 43566025201	LS	1.000 N	1.000

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 2

09/30/2019 09:42:01 AM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T5674

LEAD PROJECT : 435660-2-52-01 | DISTRICT : 05 | COUNTY/SECTION : 36180000

PROJECT(S) : 43566025201 | COUNTY : MARION

0002 SUMMARY OF SIGNING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43566025201	QUANTITY TOTAL
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	4.000	4.000
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	3.000	3.000
		0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	1.000	1.000
		0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	2.000	2.000
		0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	1.000	1.000
		0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4.000	4.000
		0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE 43566025201	LS	1.000	1.000
		0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	709.000	709.000
		0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	144.000	144.000
		0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.117	0.117
		0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	22.000	22.000
		0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	172.000	172.000
		0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	608.000	608.000
		0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	2.000	2.000
		0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	2.000	2.000
		0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.563	0.563
		0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.053	0.053
		0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.638	0.638
		0711- 16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.122	0.122

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FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T5674

LEAD PROJECT : 435660-2-52-01 | DISTRICT : 05 | COUNTY/SECTION : 36180000

PROJECT(S) : 43566025201 | COUNTY : MARION

0003 SUMMARY OF LIGHTING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43566025201	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	419.000	419.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	253.000	253.000
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	13.000	13.000
		0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1.000	1.000
		0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	3.000	3.000
		0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	2913.000	2913.000
		0715- 4- 12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	12.000	12.000
		0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	12.000	12.000

09/30/2019 09:42:01 AM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: T5674

LEAD PROJECT : 435660-2-52-01 | DISTRICT : 05 | COUNTY/SECTION : 36180000

PROJECT(S) : 43566025201 | COUNTY : MARION

0004 SUMMARY OF SIGNALIZATION

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43566025201	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	782.000	782.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	366.000	366.000
		0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	40.000	40.000
		0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1.000	1.000
P		0632- 7- 6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	1.000	1.000
		0633- 1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	70.000	70.000
		0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	24.000	24.000
		0633- 3- 42	FIBER OPTIC CONNECTION HARDWARE, RELOCATE SPLICE TRAY	EA	1.000	1.000
		0633- 3- 46	FIBER OPTIC CONNECTION HARDWARE, RELOCATE PATCH PANEL- FIELD TERMINATED	EA	1.000	1.000
T		0633- 8- 4	MULTI-CONDUCTOR COMMUNICATION CABLE, RELOCATE	LF	55.000	55.000
		0634- 4-153	SPAN 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
		0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1.000	1.000
		0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	60.000	60.000
		0639- 2- 6	ELECTRICAL SERVICE WIRE, REMOVE	LF	36.000	36.000
		0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1.000	1.000
		0641- 2- 18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII	EA	4.000	4.000
		0641- 2- 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL /SERVICE POLE	EA	6.000	6.000
		0641- 2- 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	2.000	2.000
		0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	8.000	8.000
		0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	2.000	2.000
		0650- 1- 24	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W /ALUM TOP, 3 SECTION, 1 WAY	AS	8.000	8.000
		0650- 1- 26	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W /ALUM TOP, 4 SECTION, 1 WAY	AS	2.000	2.000
		0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8.000	8.000
		0660- 2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	4.000	4.000
		0660- 2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	6.000	6.000
		0660- 6-421	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH RELOCATE, CABINET EQUIPMENT	EA	1.000	1.000
		0660- 6-422	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH RELOCATE, ABOVE GROUND EQUIPMENT	EA	1.000	1.000
		0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8.000	8.000
		0670- 5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1.000	1.000
		0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1.000	1.000
		0684- 1- 4	MANAGED FIELD ETHERNET SWITCH, RELOCATE	EA	1.000	1.000
		0685- 1- 12	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE /DOUBLE CONVERSION	EA	1.000	1.000

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REVISIONS

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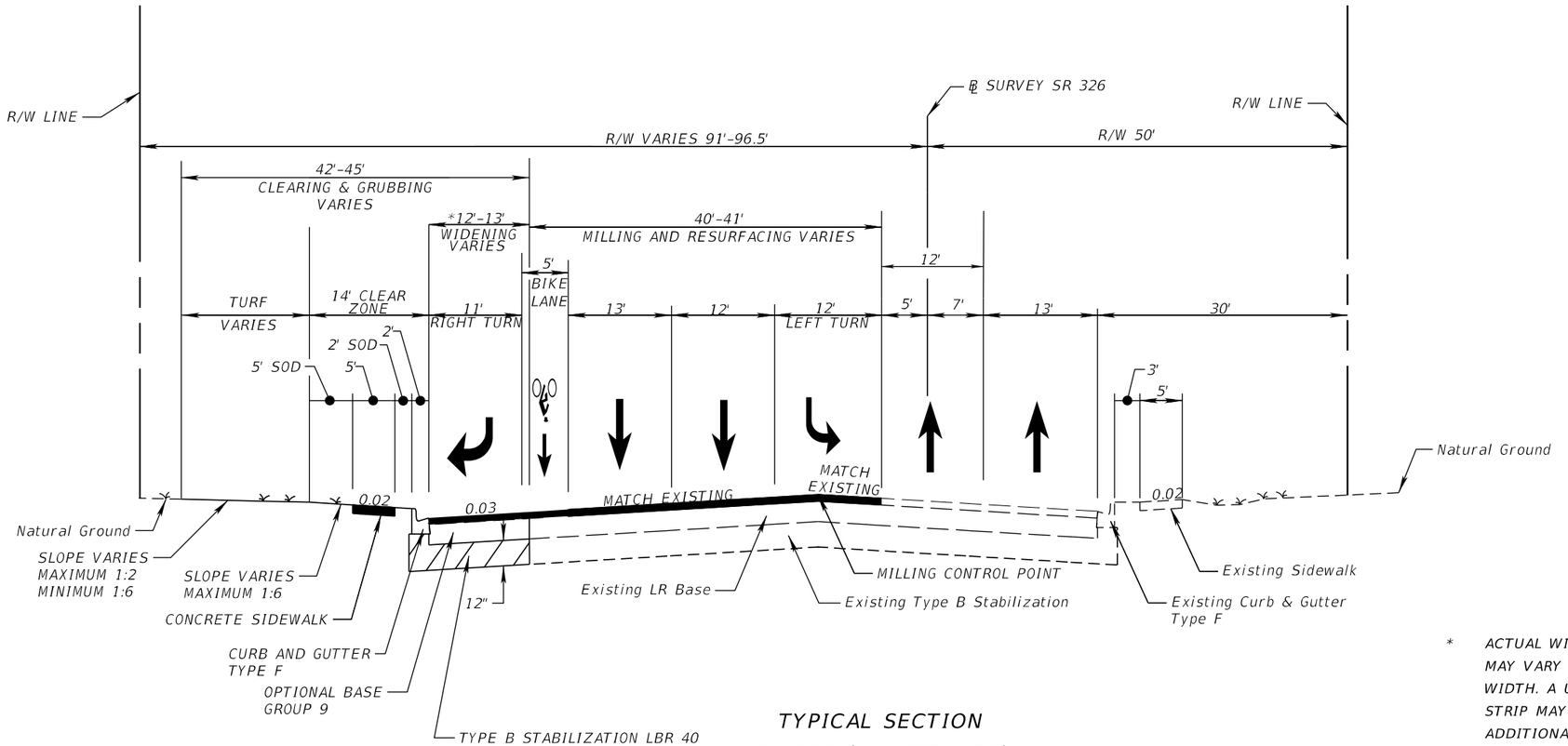
SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 3



* ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO EXISTING PAVEMENT WIDTH. A UNIFORM WIDTH BASE WIDENING STRIP MAY BE CONSTRUCTED AT NO ADDITIONAL COMPENSATION.

TYPICAL SECTION
SR 326 (NW 77TH ST)
STA. 723+10.00 TO 734+54.00

TYPICAL SECTION NOTES

1. CLEARING AND GRUBBING EXTENDS TO PROPOSED LIMITS OF CONSTRUCTION.

LEFT TURN LANE MILLING
STA. 723+10.00 TO STA. 729+19.35

MILL EXISTING ASPHALT PAVEMENT (1.5")

RESURFACING LEFT TURN LANE
STA. 723+10.00 TO STA. 729+19.35

FRICTION COURSE (FC-12.5) (TRAFFIC D) (1.5") (PG 76-22)

MAINLINE LANES, LEFT TURN LANES, & BIKE LANE MILLING
STA. 729+19.35 TO STA. 734+54.00

MILL EXISTING ASPHALT PAVEMENT (1.5")

RESURFACING MAINLINE LANES, LEFT TURN LANES, & BIKE LANE
STA. 729+19.35 TO STA. 734+54.00

FRICTION COURSE (FC-12.5) (TRAFFIC D) (1.5") (PG 76-22)

RIGHT TURN LANE WIDENING
STA. 730+20.15 TO STA. 734+04.92

OPTIONAL BASE GROUP 9 **10" Limerock**
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (3.0")
AND FRICTION COURSE (FC-12.5) (TRAFFIC D) (1.5") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 22400
ESTIMATED OPENING YEAR = 2020 AADT = 23000
ESTIMATED DESIGN YEAR = 2040 AADT = 33000
K = 9.0% D = 51.0% T = 27.9% (24 HOUR)
DESIGN HOUR T = 21.9%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

REVISIONS			
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STATE OF FLORIDA
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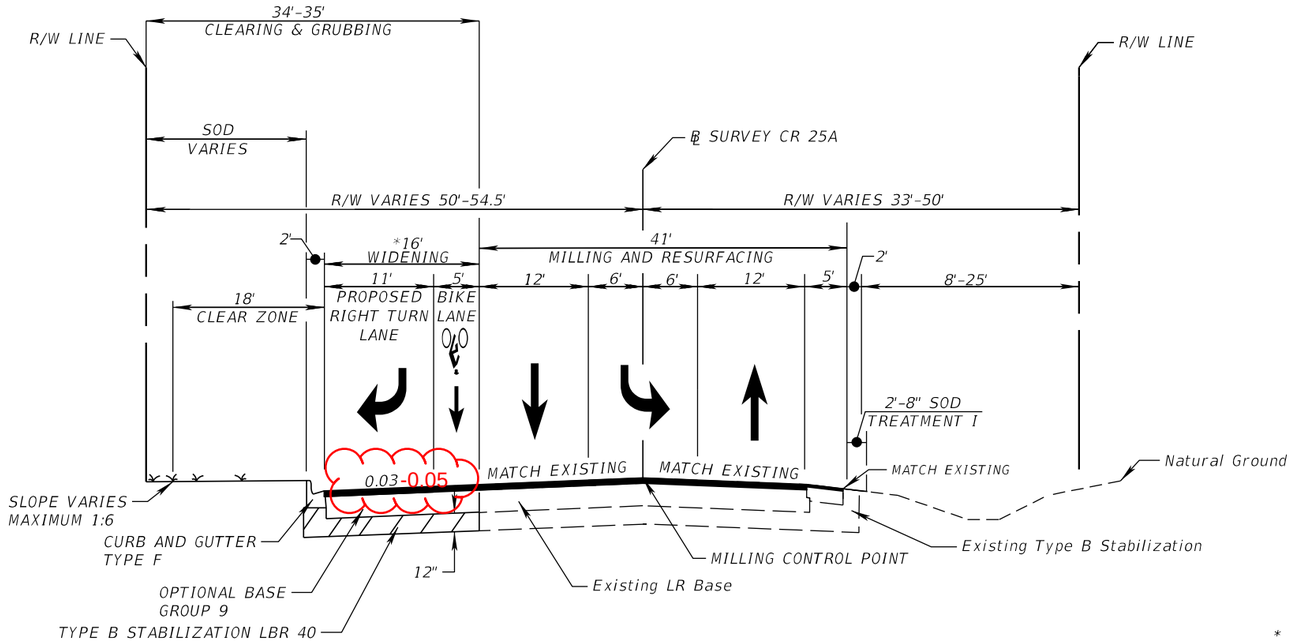
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TYPICAL SECTIONS (1)

SHEET NO. 4

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Limerock ILO Stabilized Subgrade

* ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO EXISTING PAVEMENT WIDTH. A UNIFORM WIDTH BASE WIDENING STRIP MAY BE CONSTRUCTED AT NO ADDITIONAL COMPENSATION.

TYPICAL SECTION
CR 25A (NW GAINESVILLE RD)
STA. 40+68.73 TO 44+91.89

MAINLINE LANES, LEFT TURN LANE, & SHOULDER MILLING
STA. 40+68.73 TO STA. 44+91.89

MILL EXISTING ASPHALT PAVEMENT (1.5")

RESURFACING MAINLINE LANES, LEFT TURN LANE, & SHOULDER
STA. 40+68.73 TO STA. 44+91.89

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

RIGHT TURN LANE WIDENING
STA. 40+68.73 TO STA. 44+41.91

OPTIONAL BASE GROUP 9 **10" Limerock**
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (4.0")
AND FRICTION COURSE (FC-12.5) (TRAFFIC C) (1.5") (PG 76-22)

DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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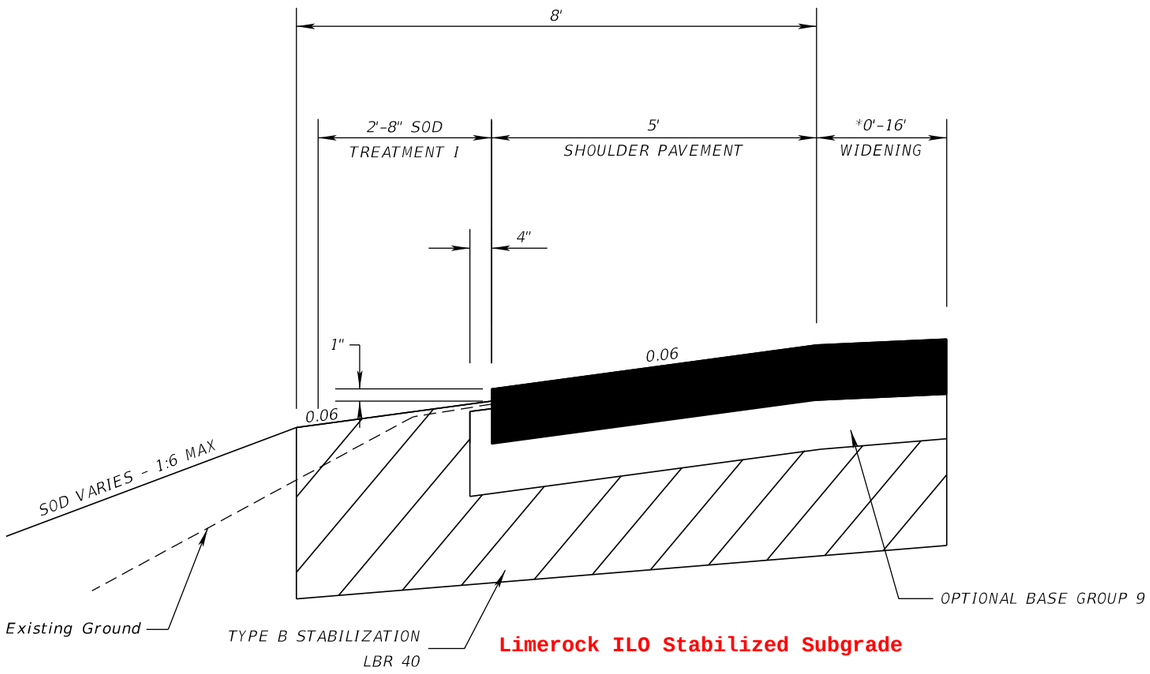
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TYPICAL SECTIONS (2)

SHEET NO. 5

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* ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO EXISTING PAVEMENT WIDTH. A UNIFORM WIDTH BASE WIDENING STRIP MAY BE CONSTRUCTED AT NO ADDITIONAL COMPENSATION.

WIDENING & SHOULDER PAVEMENT DETAIL

CR 25A (NW GAINESVILLE RD)

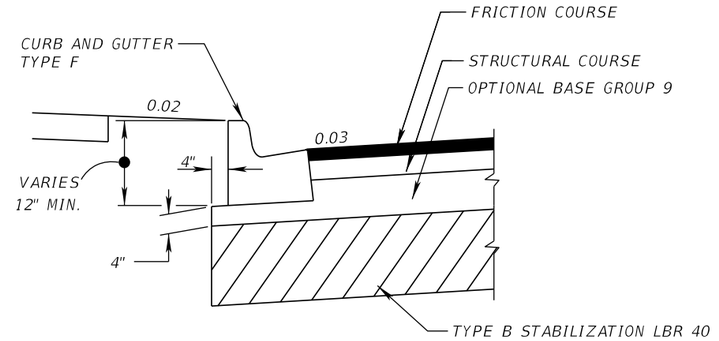
STA. 43+64.36 TO STA. 44+59.11

RIGHT TURN LANE WIDENING
STA. 40+68.73 TO STA. 44+59.11

OPTIONAL BASE GROUP 9 **10" Limerock**

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (4.0")

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



DETAIL OF BASE CURB PAD

SR 326 (NW 77TH ST)

STA. 41+68.73 (CR 25A) TO STA. 734+04.92 (SR 326)

CR 25A (NW GAINESVILLE RD)

STA. 40+70.34 TO STA. 43+64.35

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TYPICAL SECTION DETAILS

SHEET NO. 6

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM & CROSS DRAIN OPT. TYPE		CURB INLETS (TYPE P)			DITCH BOTTOM INLETS		MANHOLES			REMARKS
						ROUND	ROUND	P-1	P-2	P-4	TYPE C	TYPE D	P-8	J-8	J-8, PARTIAL	
						18"	24"	<10	<10	<10	<10	<10	<10	<10	TOP	
P	S-1	730+89.65	LT	PIPE,MANHOLE	1	55							1			
F						✓							✓			
P	S-2	731+78.95	LT	PIPE,INLET	1	86		1								
F						✓		✓								
P	S-3	732+00.65	LT	MANHOLE	1										1	
F															✓	
P	S-4	732+64.85	LT	PIPE,INLET	1	82		1								
F						✓		✓								
P	S-5	733+23.00	LT	MANHOLE	1										1	
F															✓	
P	S-6	733+43.80	LT	PIPE,INLET	1	75			1							
F						✓			✓							
P	S-7	40+82.90	RT	PIPE,MANHOLE,PIPE	1	8	8							1		CR 25A W/ CONCRETE JACKETS (X2)
F						0	✓							✓		18" pipe deleted per field change
P	S-8	40+83.00	RT	PIPE,INLET	1		8			1						CR 25A
F							✓			✓						
P	S-9	40+95.06	LT	PIPE,MANHOLE	1	8							1			CR 25A W/ CONCRETE JACKET
F						0							✓			18" pipe deleted per field change
P	S-10	41+19.12	RT	PIPE, DBI	1		30					1				CR 25A
F							✓					✓				
P	S-11	41+28.69	LT	PIPE,INLET	1	31				1						CR 25A
F						✓				✓						
P	S-12	43+72.81	LT	PIPE, DBI	1	241					1					CR 25A
F						✓					✓					
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																RFI 04 - FIELD MODIFICATION FOR S-9 AND S-11
																RFI 05 - ELEVATION ERROR AT S-7
																RFI 06 -PIPE MODIFICATIONS FOR S-11
																MATERIAL CERTIFICATIONS
		GRAND TOTAL - PLAN QUANTITY				586	46	2	1	2	1	1	2	1	2	FIELD MEASUREMENT BACK-UP(DRAINAGE)EDMS#1474377
		FINAL QUANTITY				570	✓	✓	✓	✓	✓	✓	✓	✓	✓	

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 7

OPTIONAL MATERIALS TABULATION

STR. NO.	DSL (Years)	SIZE (IN)	LENGTH (FT)	PLOTTED	MATERIAL & THICKNESS	FL (FT)	FL (FT)	AS BUILT	REMARKS
S-1	100	18	55.00	X	NRCP, CL. I	73.82			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-2	100	18	86.00	X	NRCP, CL. I	74.08			
					RCP, CL. I				
					RCP, CL. HE, I				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-4	100	18	82.00	X	NRCP, CL. I	74.33			
					RCP, CL. I				
					RCP, CL. HE, I				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-6	100	18	75.00	X	NRCP, CL. I	74.56			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
S-7	100	18	8.00	X	NRCP, CL. I	73.89			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
		24	8.00	X	NRCP, CL. I	73.47			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				

VOID

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

OPTIONAL MATERIALS TABULATION (1)

SHEET NO. 8

OPTIONAL MATERIALS TABULATION

STR. NO.	DSL (Years)	SIZE (IN)	LENGTH (FT)	PLOTTED	MATERIAL & THICKNESS	FL (FT)	FL (FT)	AS BUILT	REMARKS
S-1	100	18	57.00	X	NRCP, CL. I	73.82			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE, I				material certification
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-2	100	18	87.00	X	NRCP, CL. I	74.08			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE, I				material certification
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-4	100	18	82.00	X	NRCP, CL. I	74.33			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE, I				material certification
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-6	100	18	75.00	X	NRCP, CL. I	74.56			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE, I				material certification
					SRSP, 16 GA.				
S-7	100	18	8.00	X	NRCP, CL. I	△3 73.75			Not Installed- Field
					RCP, CL. I				change
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
		24	8.00	X	NRCP, CL. I	△3 73.75			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE, I				material certification
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
05/15/20	JMS △3 DRAINAGE STRUCTURE INVERT REVISIONS		RFI 05 - EDMS #1449355

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

OPTIONAL MATERIALS TABULATION (1)

SHEET NO. 8

OPTIONAL MATERIALS TABULATION

STR. NO.	DSL (Years)	SIZE (IN)	LENGTH (FT)	PLOTTED	MATERIAL & THICKNESS	FL (FT)	FL (FT)	AS BUILT	REMARKS
S-8	100	24	10.00	X	NRCP, CL. I	73.63			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-9	100	18	8.00	X	NRCP, CL. I	74.28			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				

STR. NO.	DSL (Years)	SIZE (IN)	LENGTH (FT)	PLOTTED	MATERIAL & THICKNESS	FL (FT)	FL (FT)	AS BUILT	REMARKS
S-10	100	24	30.00	X	NRCP, CL. I	74.25			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
S-11	100	18	31.00	X	NRCP, CL. I	74.46			
					RCP, CL. I				
					RCP, CL. HE I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-12	100	18	241.00	X	NRCP, CL. I	76.64			
					RCP, CL. I				
					RCP, CL. HE I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				

VOID

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

OPTIONAL MATERIALS TABULATION (2)

SHEET NO. 9

OPTIONAL MATERIALS TABULATION

STR. NO.	DSL (Years)	SIZE (IN)	LENGTH (FT)	PLOTTED	MATERIAL & THICKNESS	FL (FT)	FL (FT)	AS BUILT	REMARKS
S-8	100	24	10.00	X	NRCP, CL. I	73.63			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-9	100	18	8.00	X	NRCP, CL. I	74.28			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				

STR. NO.	DSL (Years)	SIZE (IN)	LENGTH (FT)	PLOTTED	MATERIAL & THICKNESS	FL (FT)	FL (FT)	AS BUILT	REMARKS
S-10	100	24	30.00	X	NRCP, CL. I	74.25			
					RCP, CL. I				
					RCP, CL. HE, I				
					SRSP, 16 GA.				
S-11	100	18	31.00	X	NRCP, CL. I	74.44			
					RCP, CL. I				
					RCP, CL. HE I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-12	100	18	241.00	X	NRCP, CL. I	76.64			
					RCP, CL. I				
					RCP, CL. HE I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				

2

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/26/20	JMS 2 REVISED ELEVATION		

SRD, Inc.
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Tampa, FL 33619
Phone No. (813) 621-3250
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

OPTIONAL MATERIALS TABULATION (2)

SHEET NO. 9

OPTIONAL MATERIALS TABULATION

STR. NO.	DSL (Years)	SIZE (IN)	LENGTH (FT)	PLOTTED	MATERIAL & THICKNESS	FL (FT)	FL (FT)	AS BUILT	REMARKS
S-8	100	24	10.00	X	NRCP, CL. I	3 73.75			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE, I				material certification
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-9	100	18	8.00	X	NRCP, CL. I	74.28			Not Installed- Field
					RCP, CL. I				change
					RCP, CL. HE, I				
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				

STR. NO.	DSL (Years)	SIZE (IN)	LENGTH (FT)	PLOTTED	MATERIAL & THICKNESS	FL (FT)	FL (FT)	AS BUILT	REMARKS
S-10	100	24	30.00	X	NRCP, CL. I	74.25			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE, I				material certification
					SRSP, 16 GA.				
S-11	100	18	31.00	X	NRCP, CL. I	2 74.44			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE I				material certification
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				
S-12	100	18	241.00	X	NRCP, CL. I	76.64			
					RCP, CL. I			X	CL3 RCP utilized per
					RCP, CL. HE I				material certification
					SRSP, 16 GA.				
					HDPE, CL. II				
					POLYPROPYLENE				
					PVC, ASTM F-949				

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/26/20	JMS 4 REVISED ELEVATION		RFI 03 - EDMS #1427696
05/15/20	JMS 5 DRAINAGE STRUCTURE INVERT REVISIONS		RFI 05 - EDMS #1449355

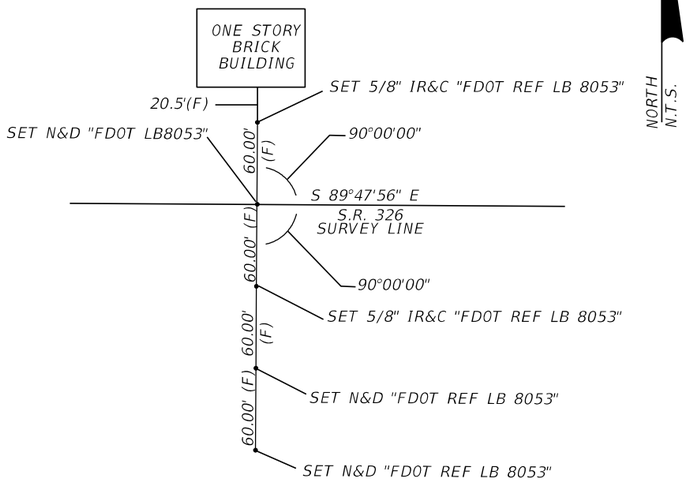
SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

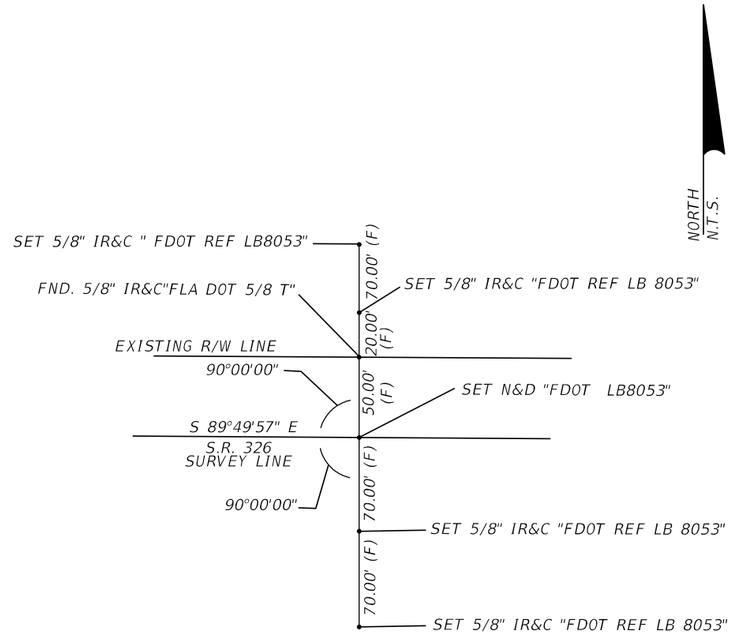
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

OPTIONAL MATERIALS TABULATION (2)

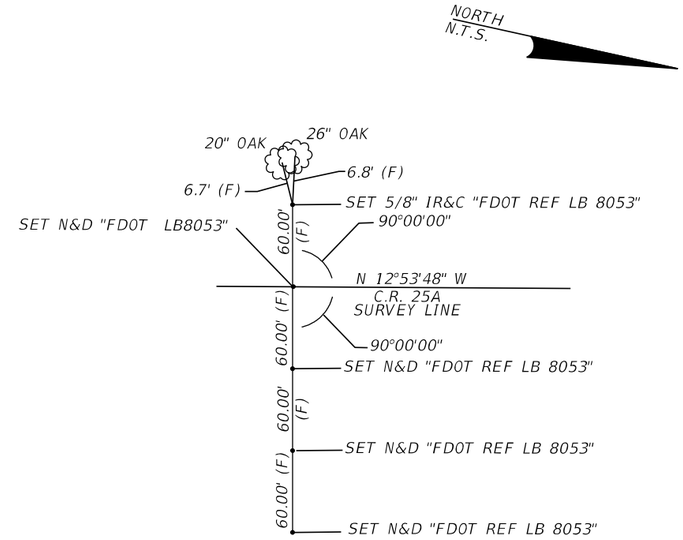
SHEET NO. 9



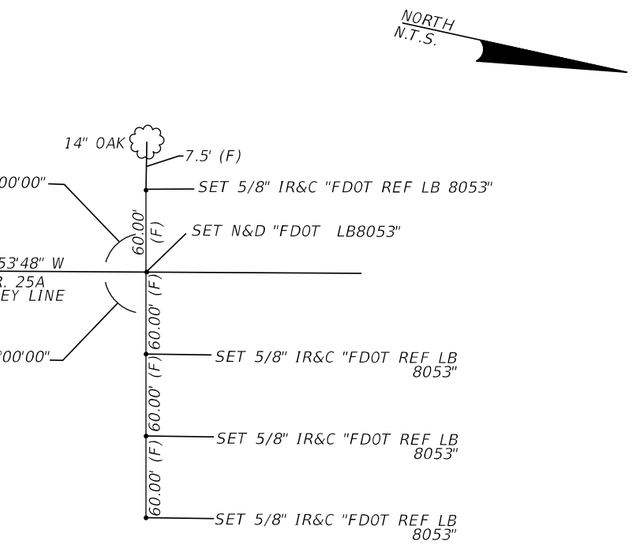
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S.R. 326



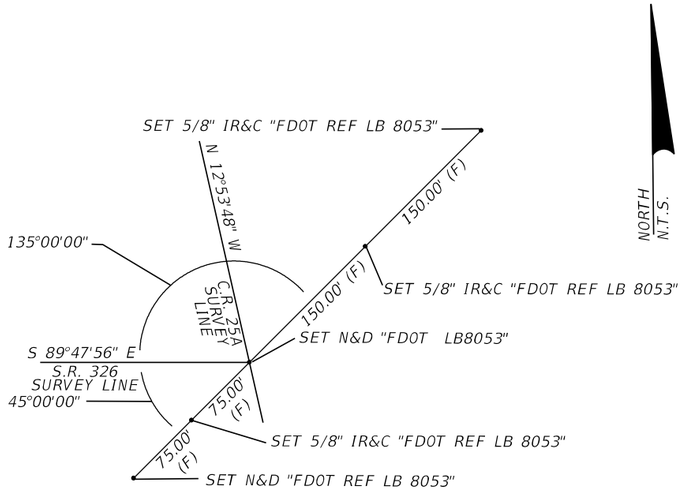
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S.R. 326



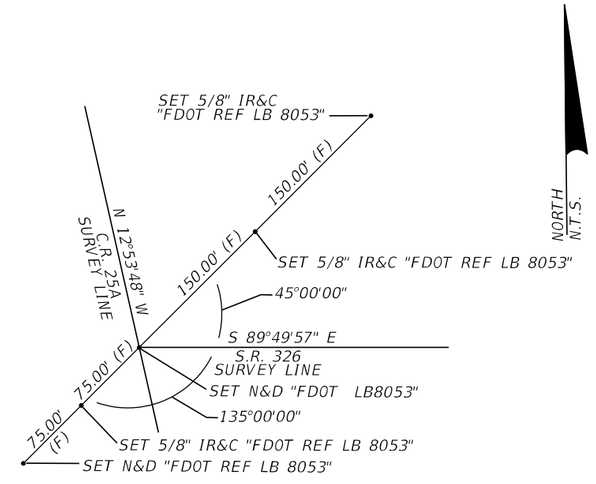
BEGIN R/W PROJECT STA. 35+00.00
C.R. 25A



END R/W PROJECT STA. 45+00.00
C.R. 25A



STA. EQUATION
P.I. STA. 730+20.15 (S.R. 326)=
P.O.T. STA. 40+10.49 (C.R. 25A)



STA. EQUATION
P.I. STA. 730+23.33 (S.R. 326)=
P.O.T. STA. 39+96.44 (C.R. 25A)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

PROJECT CONTROL

SHEET NO. 10

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

GENERAL NOTES

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

2. INTERMITTENT SUBSURFACE BOULDERS AND LIMEROCK OUTCROPS ARE POTENTIALLY PRESENT ALONG THIS PROJECT. SPECIAL EQUIPMENT WILL BE REQUIRED FOR REMOVAL OF BOULDERS AND OUTCROPS IF PRESENT.

3. DURING THE PREVIOUS CONSTRUCTION OF THIS INTERSECTION, THE CONTRACTOR ENCOUNTERED PROBLEMS ACHIEVING COMPACTION AT SOME PAVEMENT AND DRAINAGE LOCATIONS, AND FLOWABLE FILL WAS UTILIZED FOR PIPE BACKFILL. THESE AREAS OF EXISTING FLOWABLE FILL MAY BE ENCOUNTERED DURING THE CONSTRUCTION OF THIS PROJECT.

4. DURING THE GEOTECHNICAL INVESTIGATION OF THE PROJECT, SOFT COMPRESSIBLE SOILS WERE ENCOUNTERED IN THE AREAS OF PROPOSED ROADWAY, STRUCTURES, AND PIPING. USE OF VIBRATORY COMPACTION WITHIN THE PROJECT LIMITS IS PROHIBITED. IF COMPACTION REQUIREMENTS CANNOT BE MET DURING CONSTRUCTION ALTERNATIVE FORMS OF BACKFILL WILL BE REQUIRED.

5. TWO TRAFFIC MONITORING SITES ARE OUTSIDE, BUT WITHIN A HALF MILE OF THE PROJECT LIMITS:

   TRAFFIC MONITORING SITE NUMBER: 0465
   RCI SECTION: 36180000
   MILEPOST: 13.454
   SITE INCLUDES A PORTABLE MONITORING STATION

   TRAFFIC MONITORING SITE NUMBER: 0187
   RCI SECTION: 36030000
   MILEPOST: 6.824 (CR 25A)
   SITE INCLUDES A PORTABLE MONITORING STATION

   CONTACT CHERYL BURKE (386-943-5380) WITH DISTRICT 5 TRAFFIC OPERATIONS FOR ALL INQUIRIES RELATED TO THE TRAFFIC MONITIORING SITES.

6. CONTACT KAREN KUIVINEN WITH PINSLY RAILROAD (407-880-8500 EXT. 1100) TO OCCUR 2 BUSINESS DAYS PRIOR TO MILLING & RESURFACING TWO-WAY LEFT TURN LANE LOCATED EAST OF EXISTING RAILROAD CROSSING. A FLAGGING OPERATION SHOULD BE ANTICIPATED.

7. COORDINATE WITH FDOT DISTRICT CONTAMINATION IMPACT COORDINATOR AT 386-943-5395 FOR TREATMENT/DISPOSAL OF IMPACTED CONTAMINATED SOILS WITH THE PROJECT LIMITS.

8. "SPECIAL EVENTS" INCLUDE, BUT ARE NOT LIMITED TO, UNIVERSITY OF FLORIDA HOME FOOTBALL GAMES.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

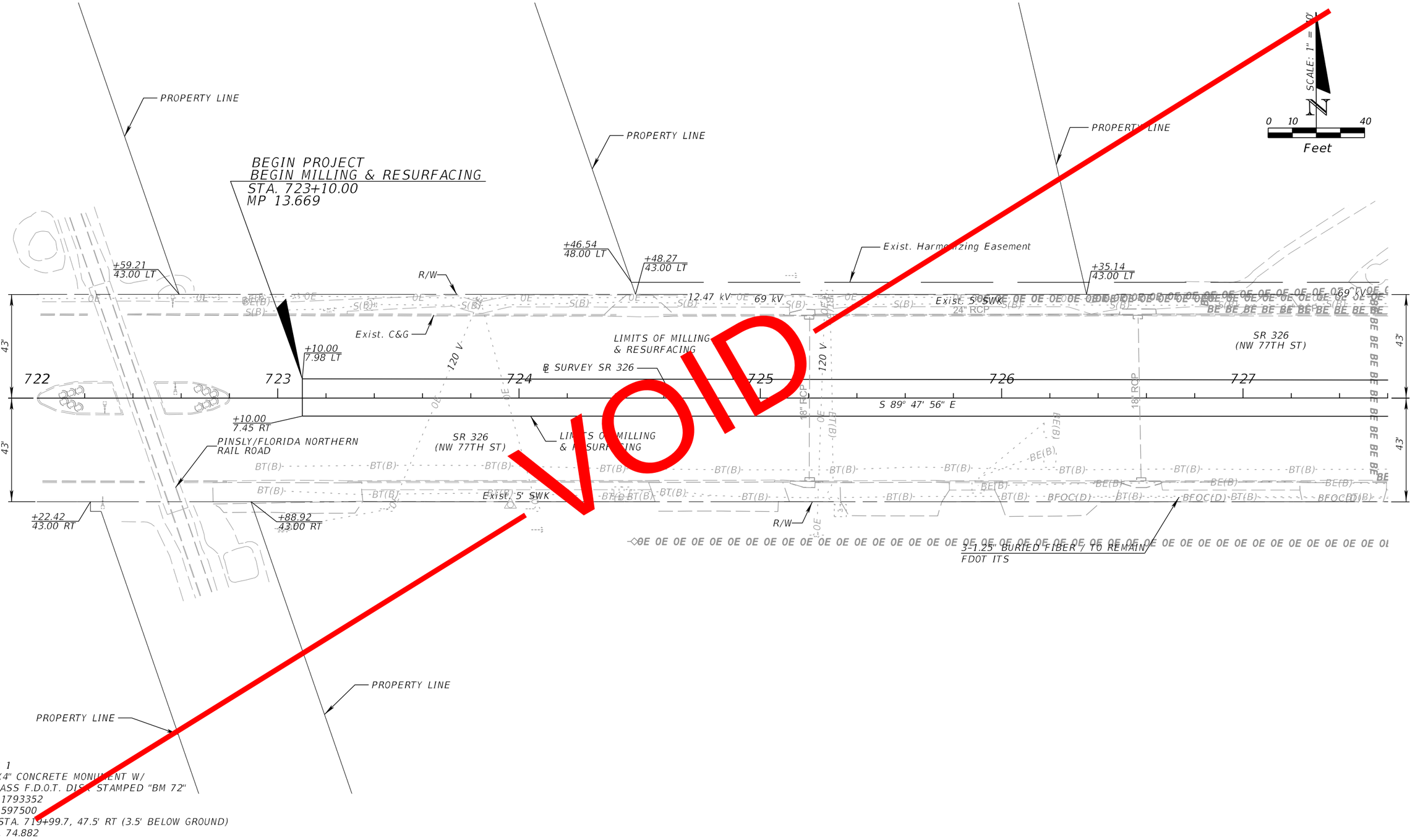
SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
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Robert Neil, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

GENERAL NOTES

SHEET NO. 11



VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
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DEPARTMENT OF TRANSPORTATION

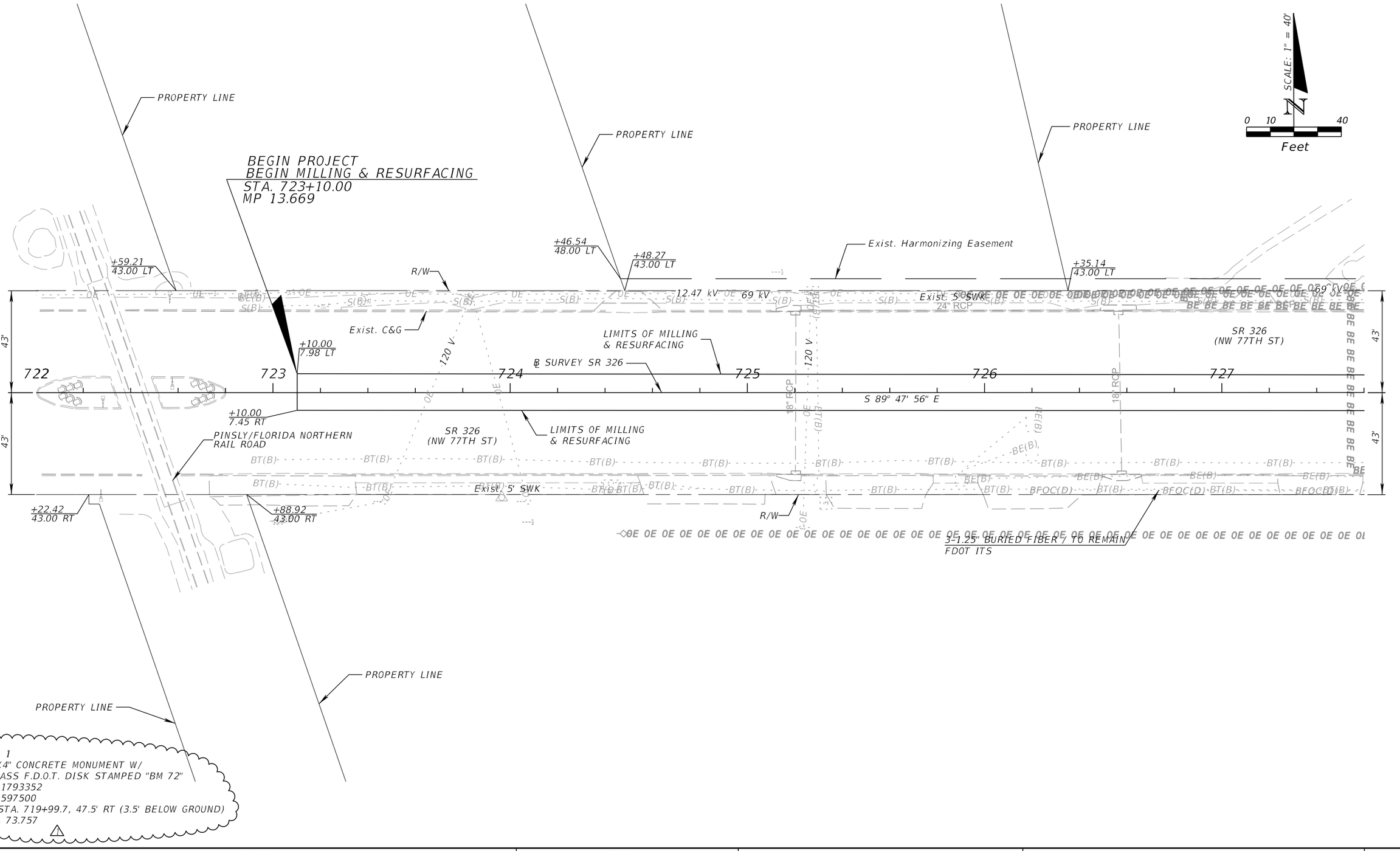
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY PLANS (1)

SHEET NO. 12

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jsmith 9/30/2019 11:02:49 AM P:\435660-2 SR 326\43566023201\roadway\planrd01.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/12/20	JMS ⚠1 REVISED BENCHMARK ELEVATION		RFI 01 - EDMS #1427694

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

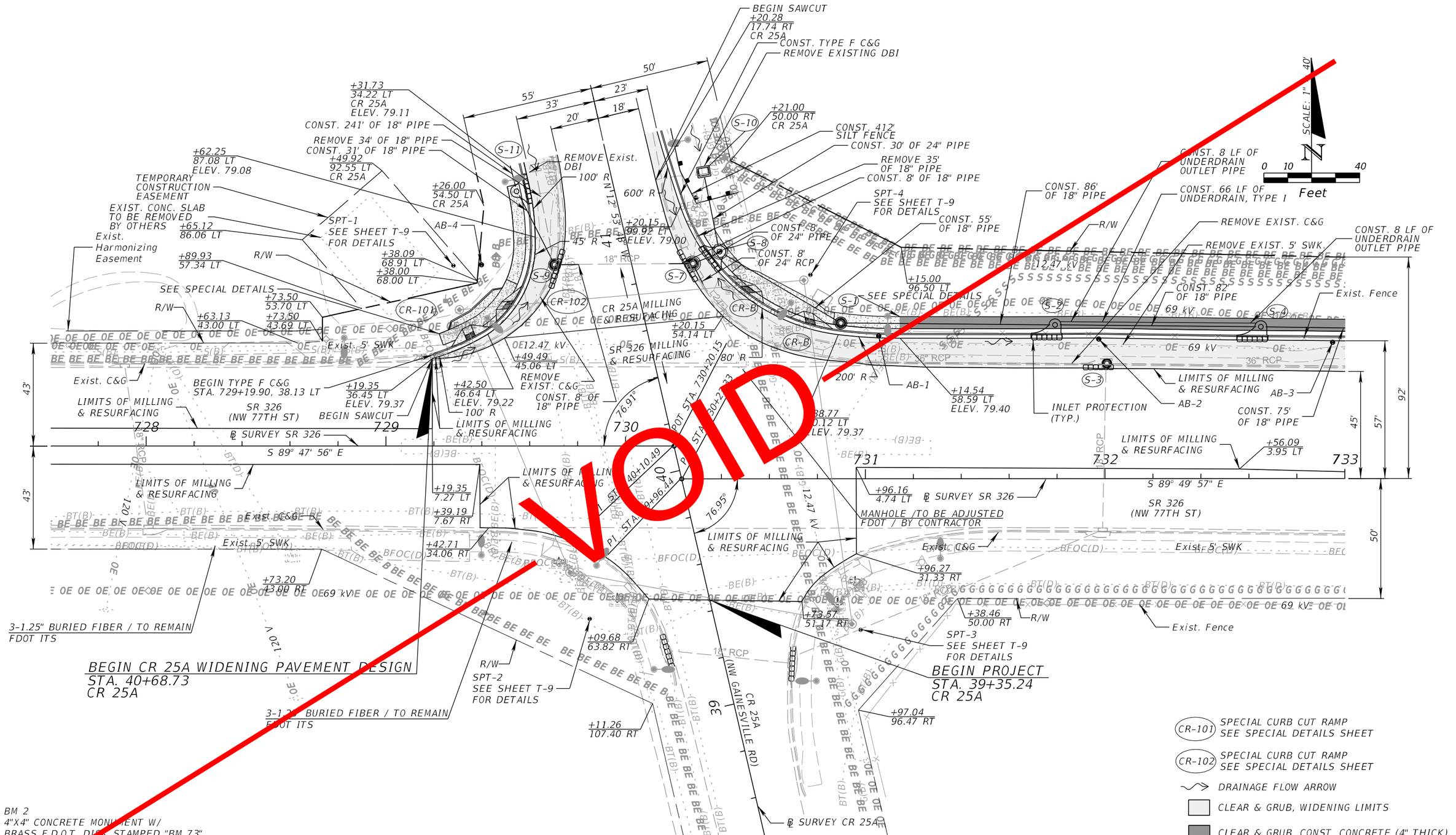
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY PLANS (1)

SHEET NO. 12

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VOID

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
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Tampa, FL 33619
Phone No. (813) 621-3250
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P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

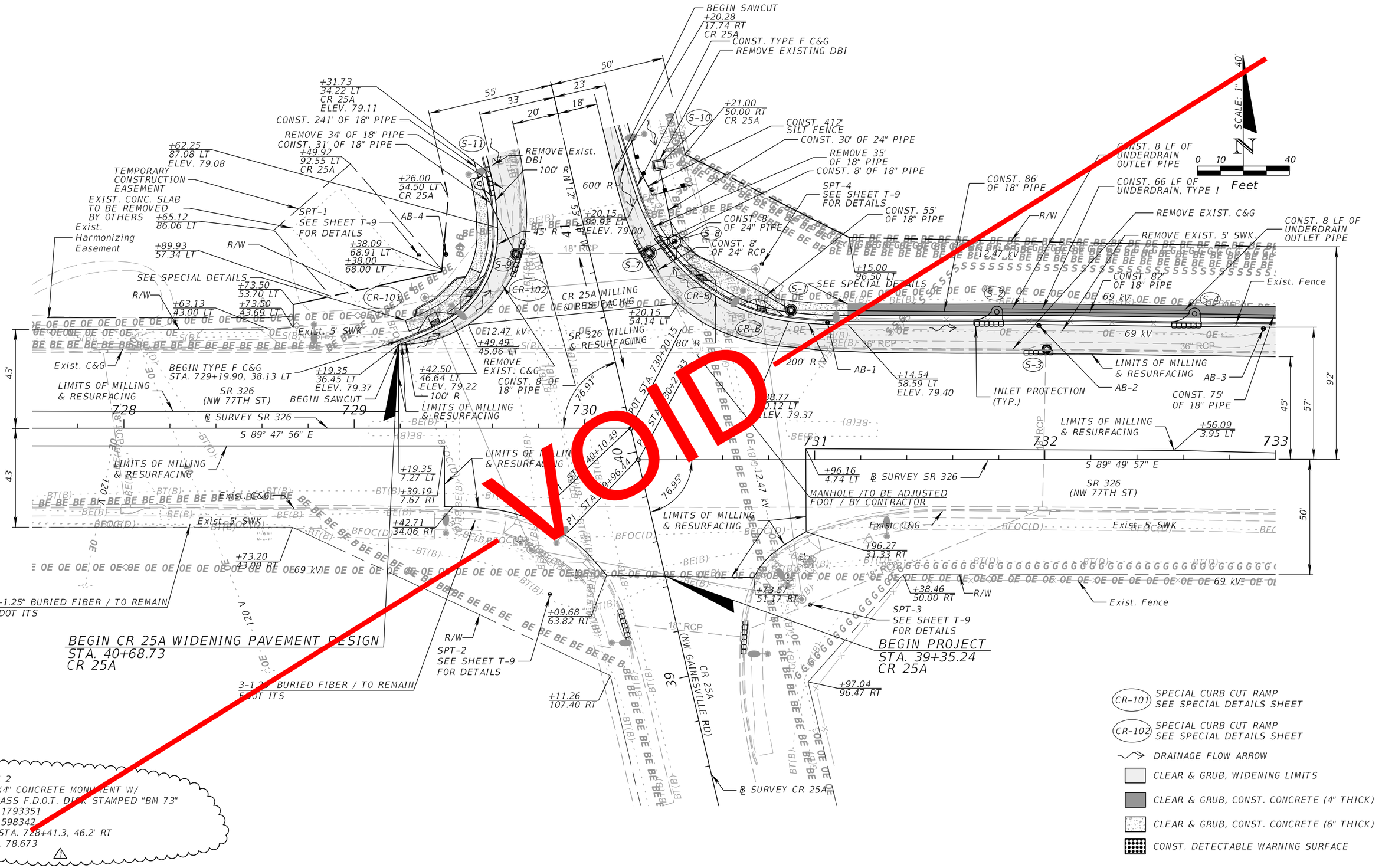
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY PLANS (2)

SHEET NO. 13

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/12/20	JMS ⚠ REVISED BENCHMARK ELEVATION		

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

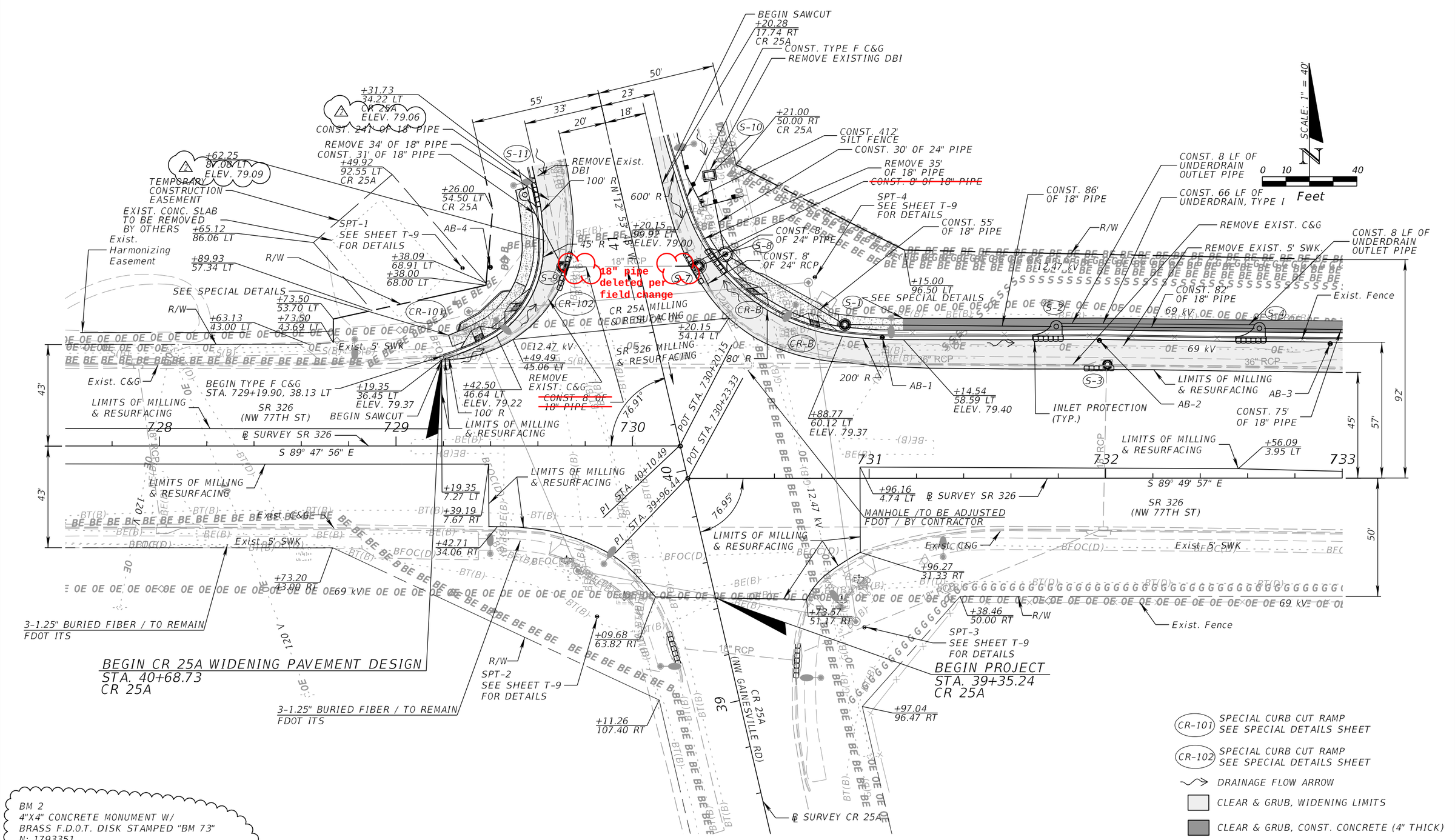
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY PLANS (2)

SHEET NO. 13

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BM 2
4"X4" CONCRETE MONUMENT W/
BRASS F.D.O.T. DISK STAMPED "BM 73"
N: 1793351
E: 598342
℄ STA. 728+41.3, 46.2' RT
EL. 78.673

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/12/20 JMS	1 REVISED BENCHMARK ELEVATION		RFI 01 - EDMS #1427694
03/26/20 JMS	2 REVISED PROFILE ELEVATIONS		RFI 03 - EDMS #1427696

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
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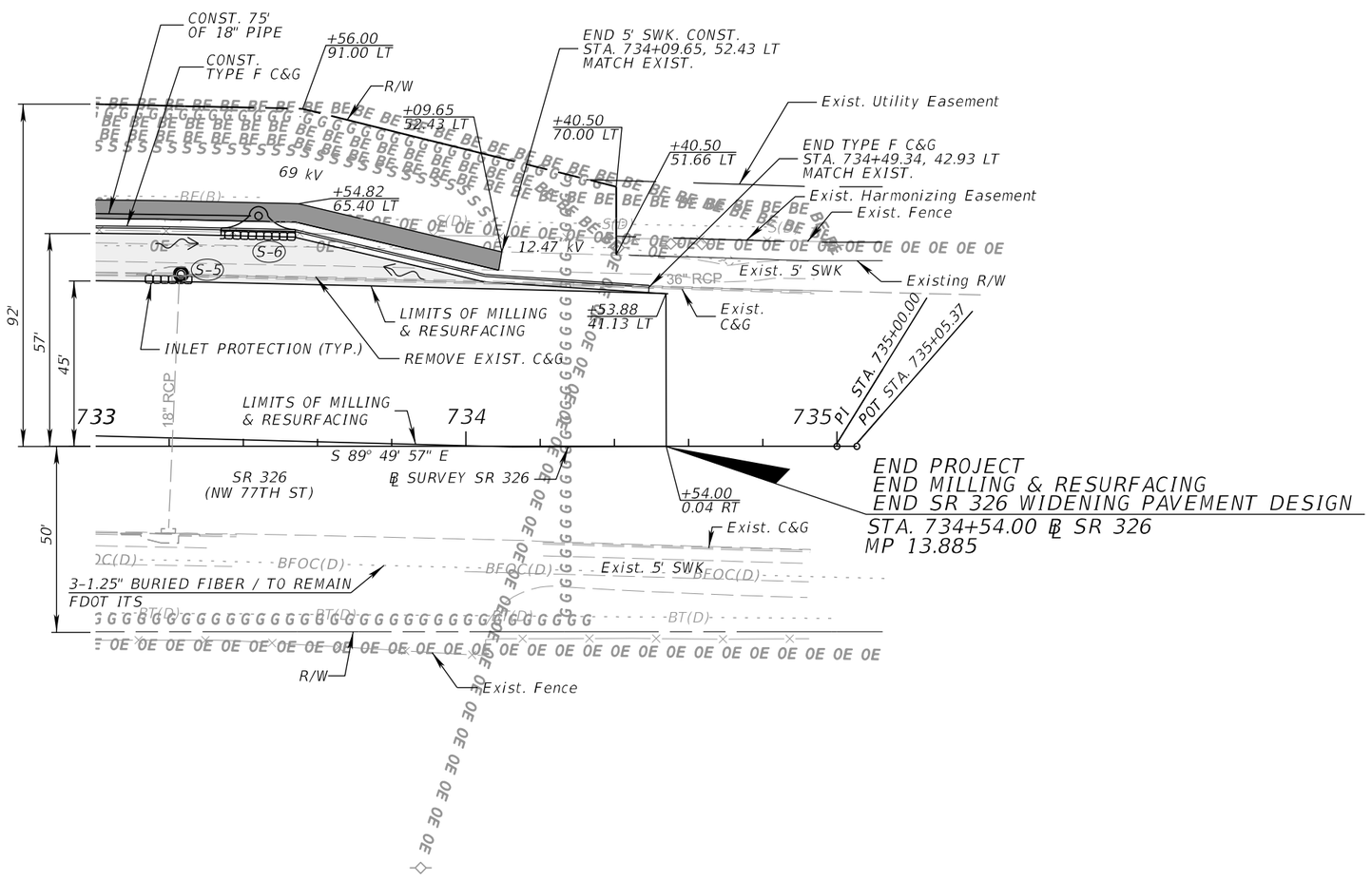
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

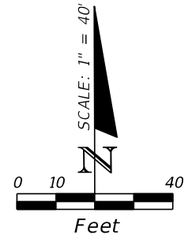
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY PLANS (2)

SHEET NO. 13

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DRAINAGE FLOW ARROW

CLEAR & GRUB, WIDENING LIMITS

CLEAR & GRUB, CONST. CONCRETE (4" THICK)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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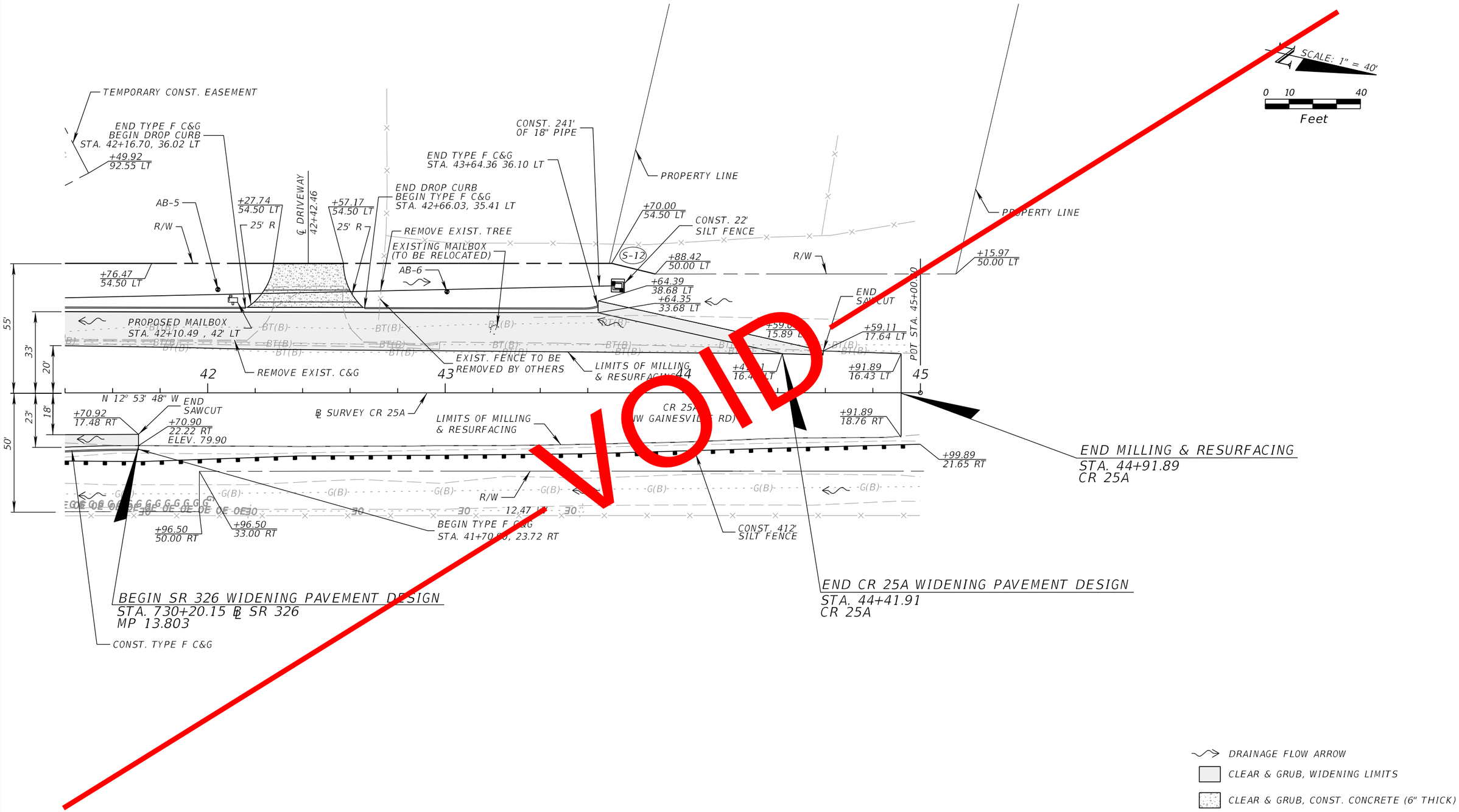
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY PLANS (3)

SHEET NO. 14

jsmith 9/30/2019 11:02:50 AM P:\435660-2 SR 326\43566023201\roadway\planrd01.dgn



NOTE: ALL STATIONING & OFFSETS BASED OFF OF CR 25A ALIGNMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
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Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

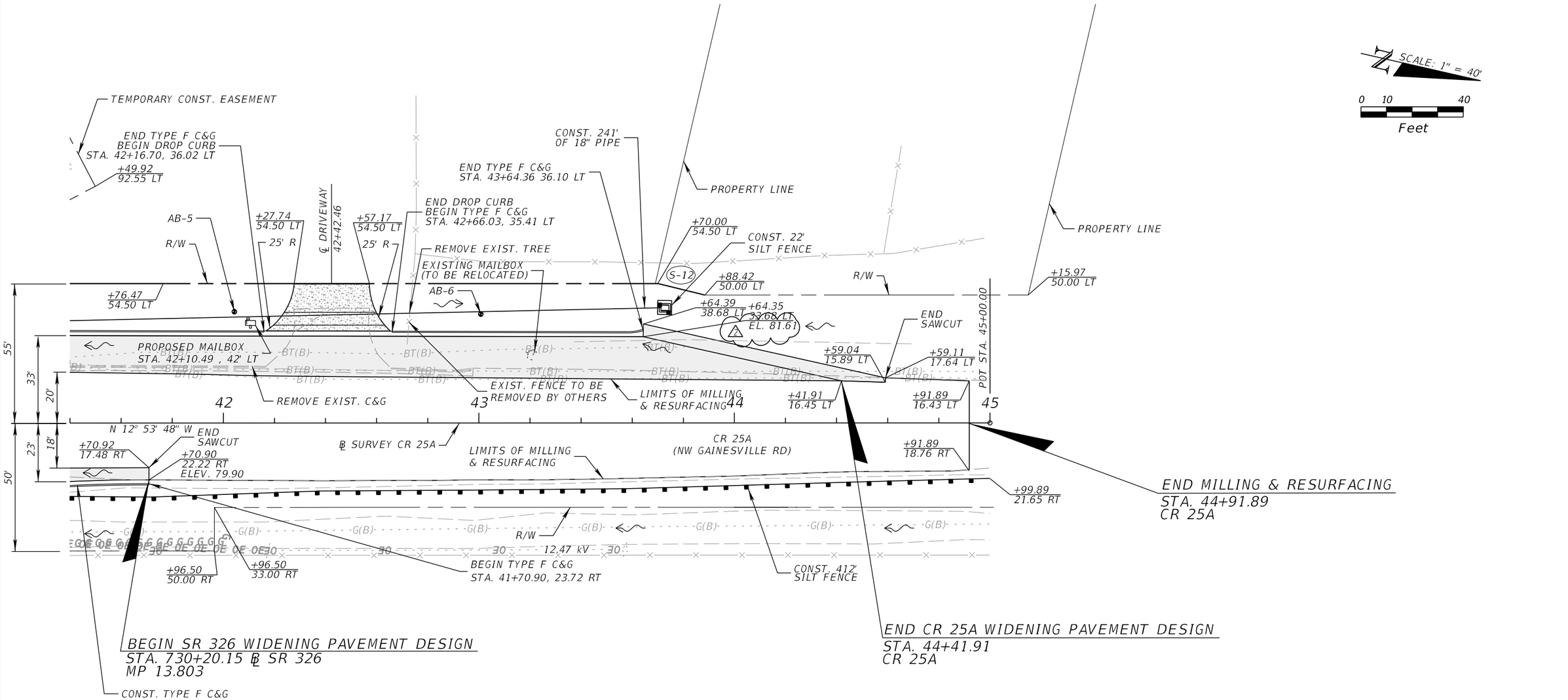
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY PLANS (4)

SHEET NO. 15

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NOTE: ALL STATIONING & OFFSETS BASED OFF OF CR 25A ALIGNMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/26/20 JMS	2 ADDED ELEVATION CALLOUT		RFI 03 - EDMS #1427696

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY PLANS (4)

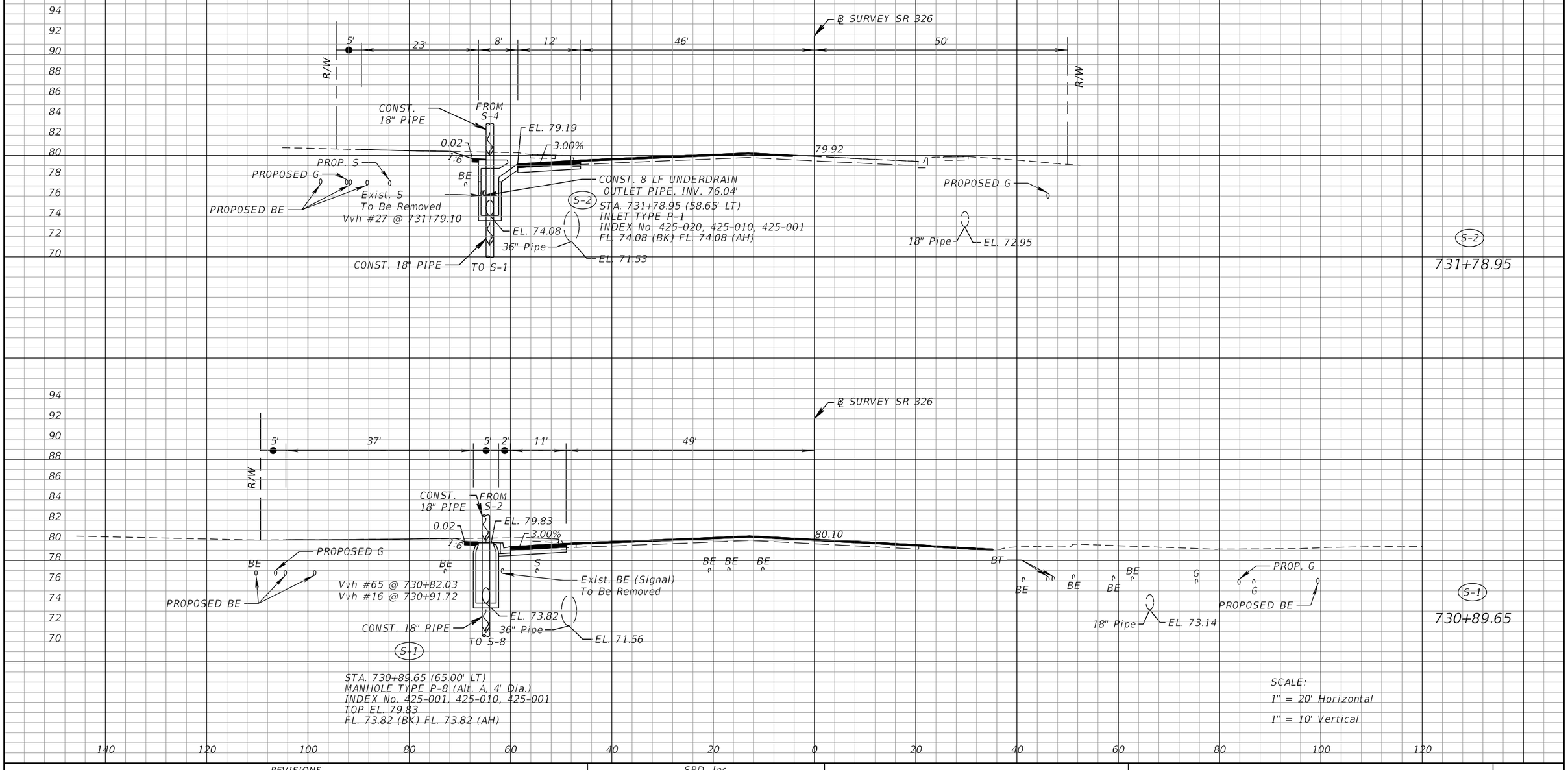
SHEET NO. 15

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GENERAL NOTES

1. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS

2. ALL DRAINAGE PIPES HAVE OPTIONAL MATERIALS. THE OPTIONAL MATERIALS TABULATION SHEET SHOWS ALL MATERIALS ALLOWED AND INDICATES WHICH MATERIAL IS PLOTTED IN THE PLANS AND USED AS THE BASIS OF PAY QUANTITIES



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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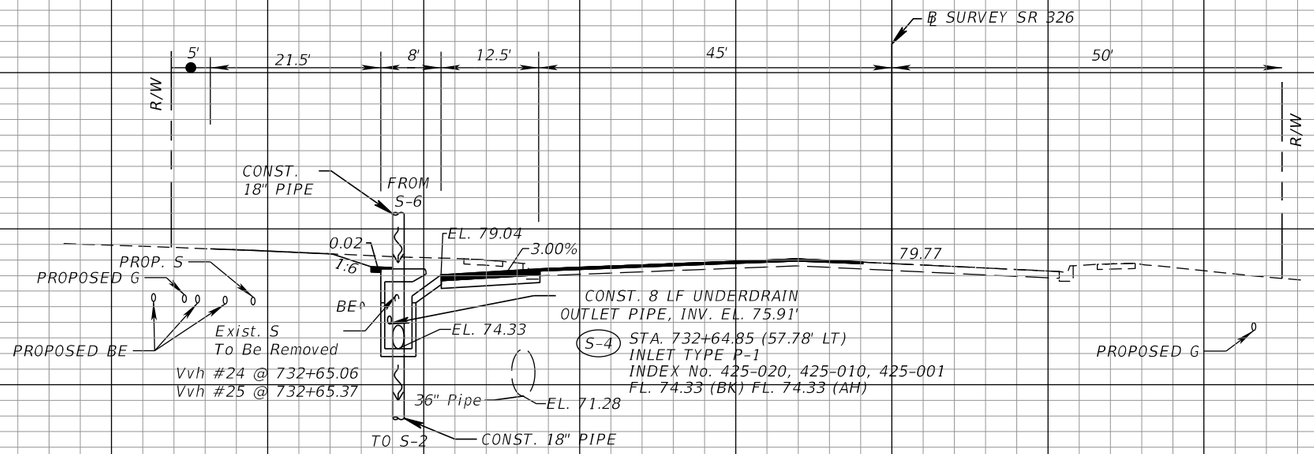
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

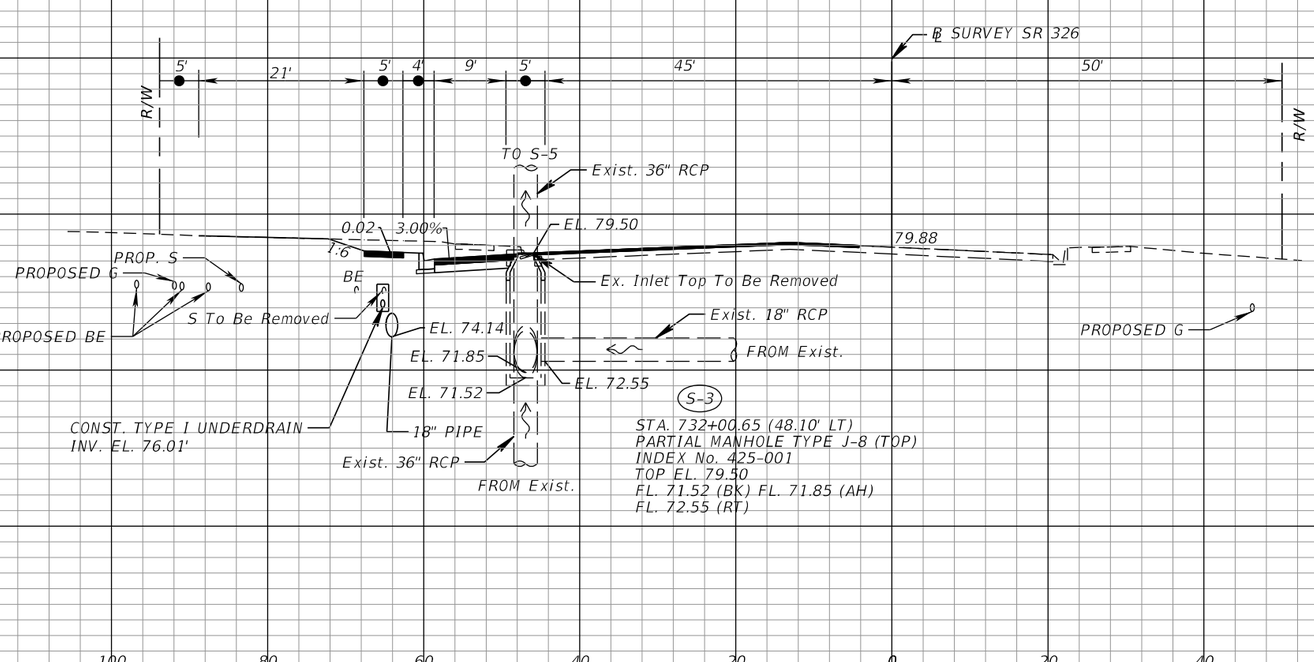
DRAINAGE STRUCTURES (1)

SHEET NO. 16

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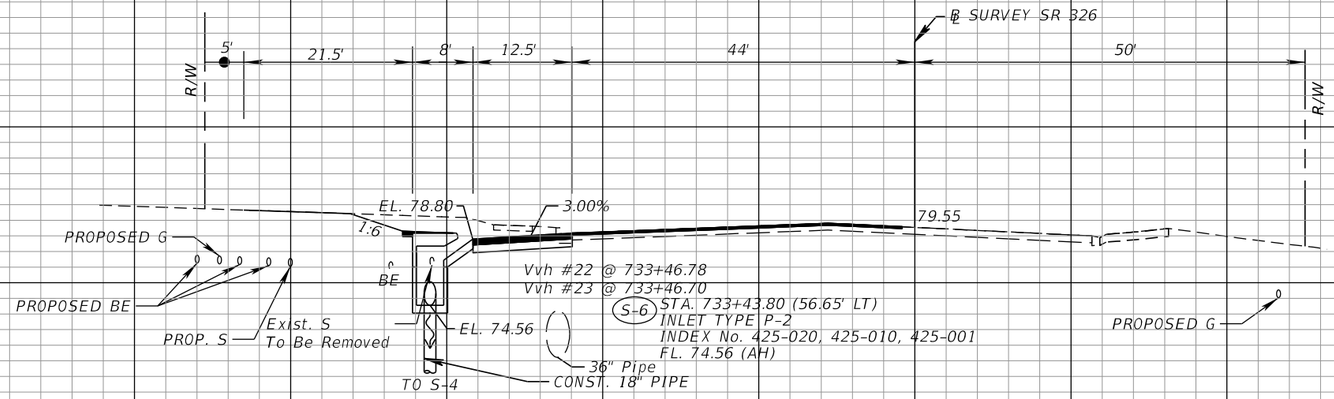
SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

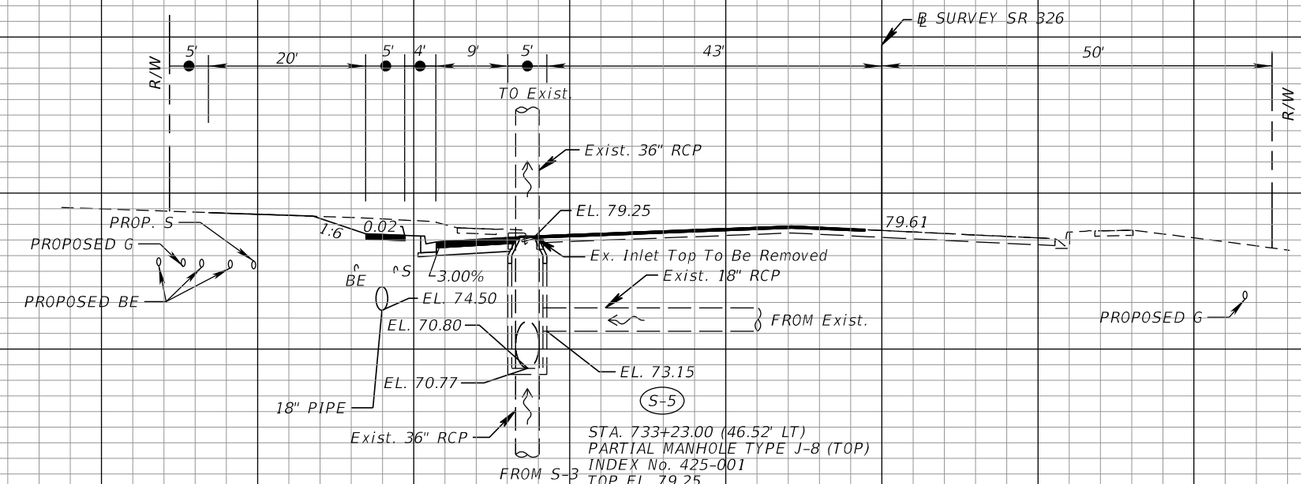
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

DRAINAGE STRUCTURES (2)

SHEET NO. 17





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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

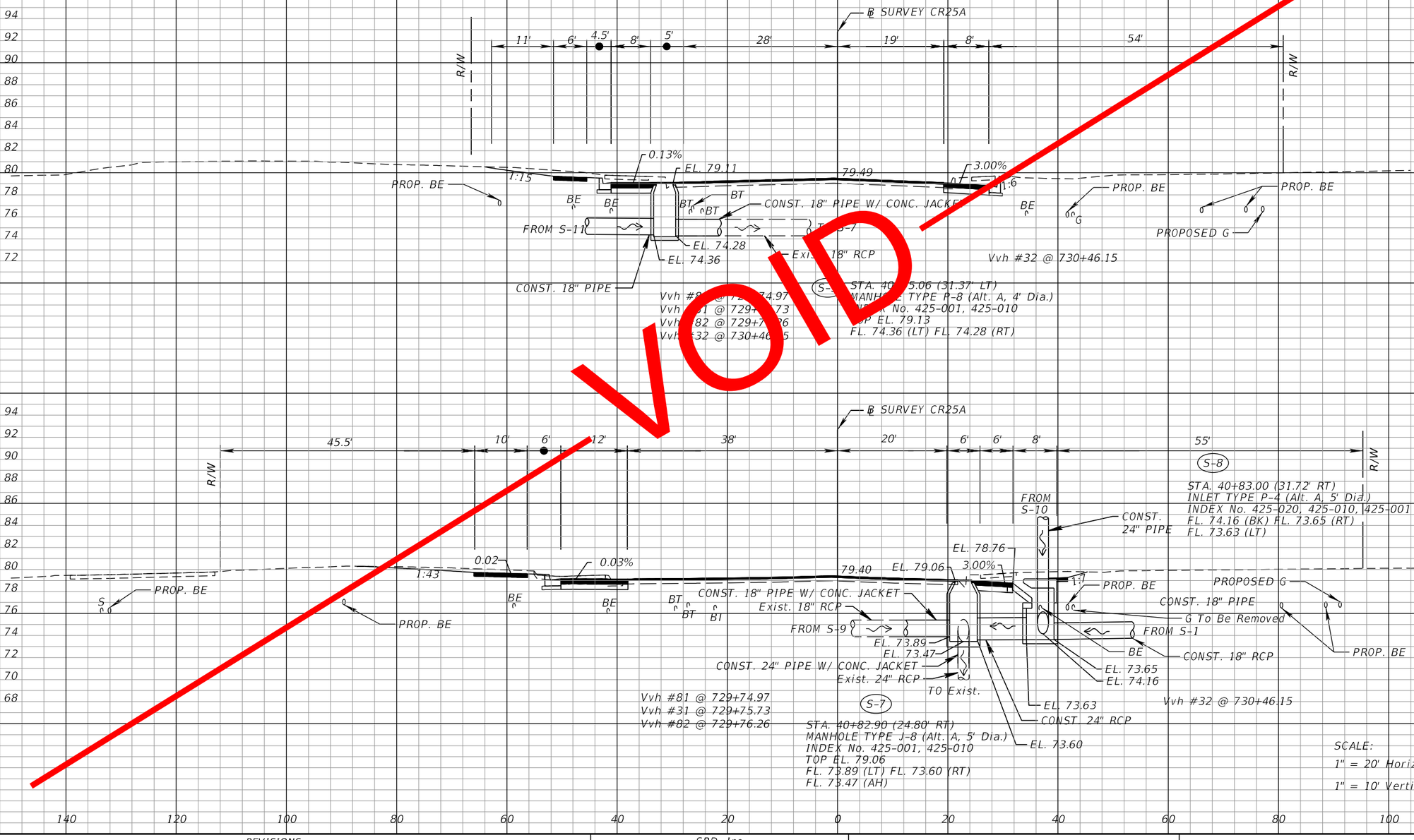
SRD, Inc.
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P.E. No. 43370

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

DRAINAGE STRUCTURES (3)

SHEET NO. 18



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

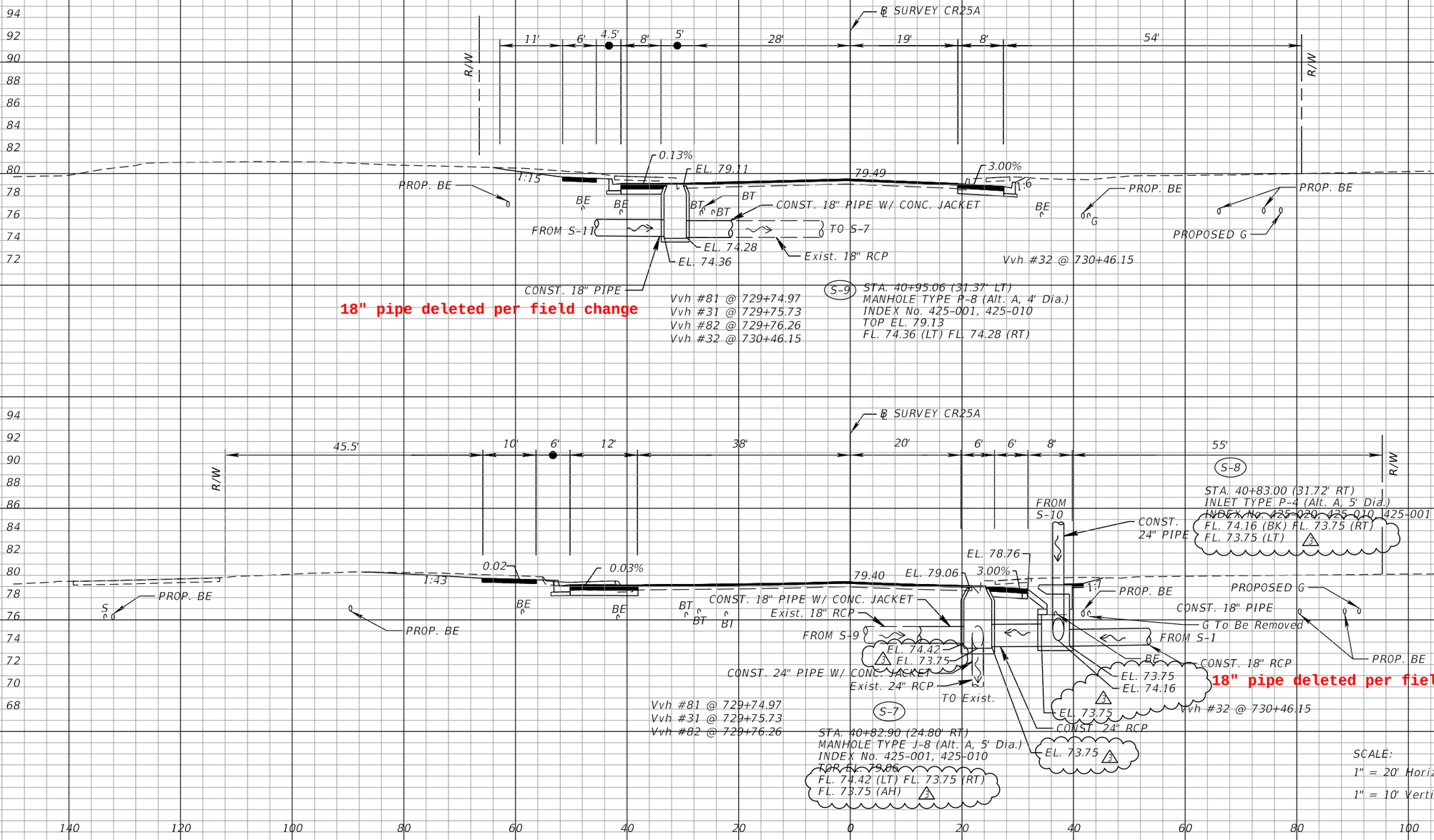
SRD, Inc.
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Tampa, FL 33619
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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

DRAINAGE STRUCTURES (4)

SHEET NO. 19



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
05/15/20	JMS 3 DRAINAGE STRUCTURE INVERT REVISIONS		RFI 05 - EDMS #1449355

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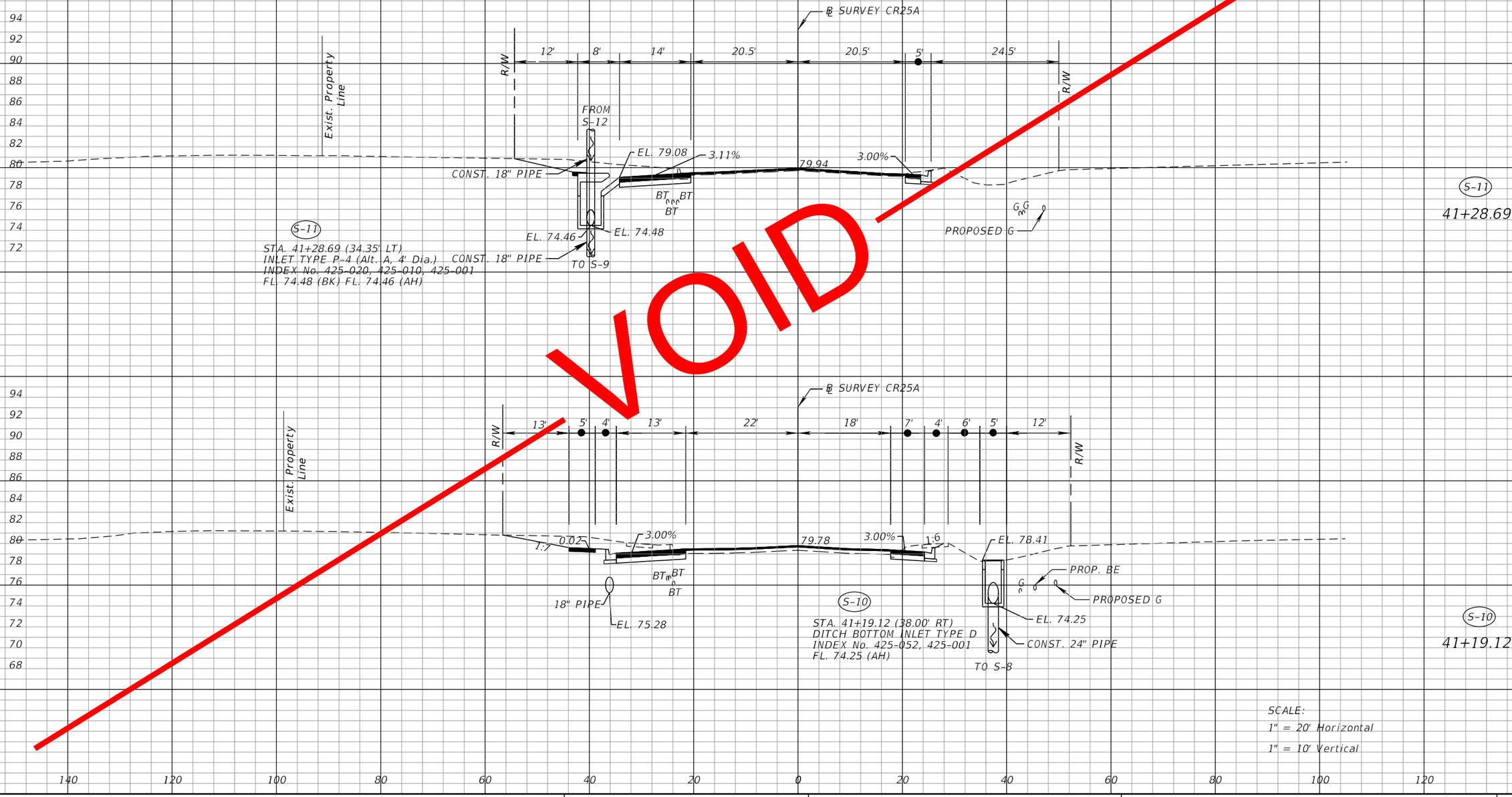
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

DRAINAGE STRUCTURES (4)

SHEET NO. 19

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jsmith 5/15/2020 12:42:07 PM C:\Users\jsmith\Desktop\Condensed\SR 326\43566023201 - REV03\drainage\drxsrd01.dgn



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

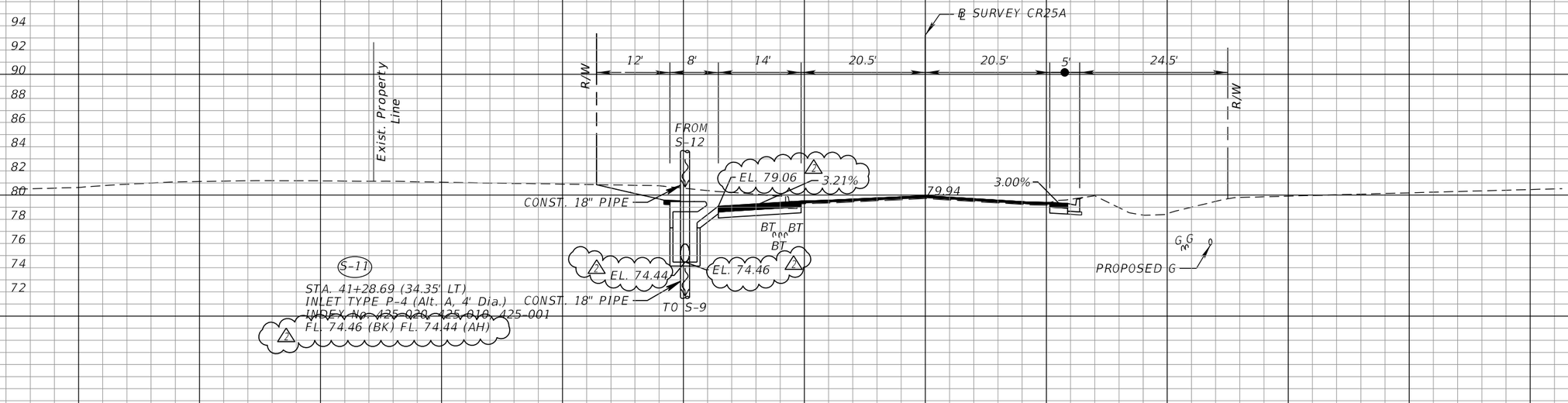
SRD, Inc.
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Tampa, FL 33619
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Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

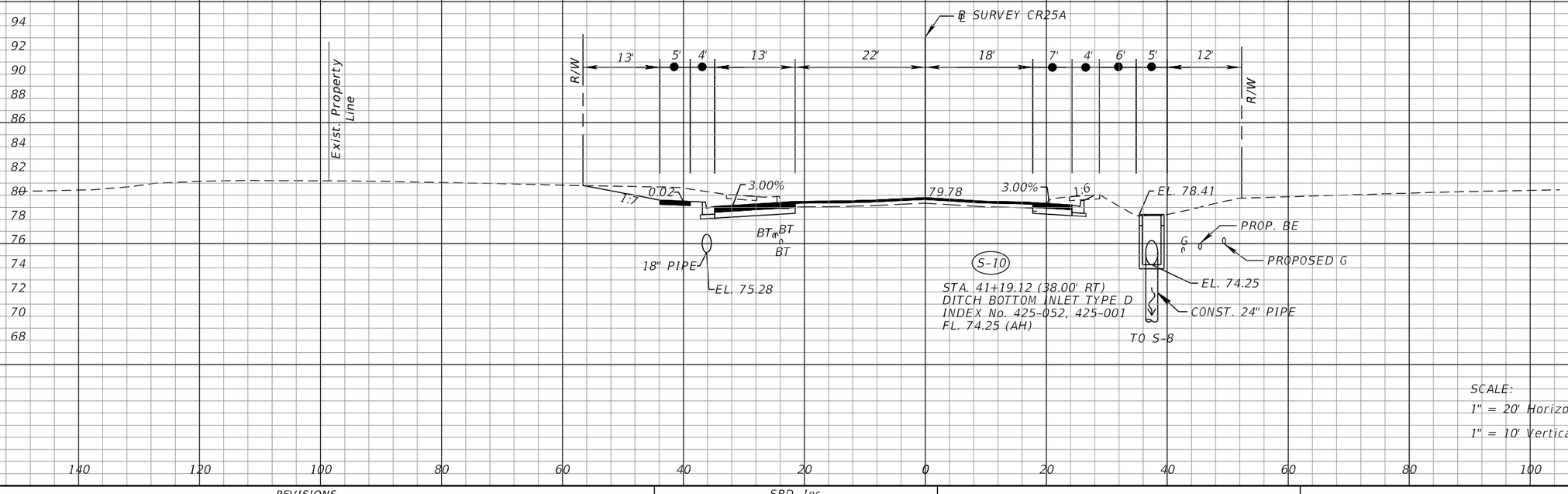
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

DRAINAGE STRUCTURES (5)

SHEET NO. 20





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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/26/20 JMS	2 REVISED PROFILE ELEVATIONS		RFI 03 - EDMS #1427696

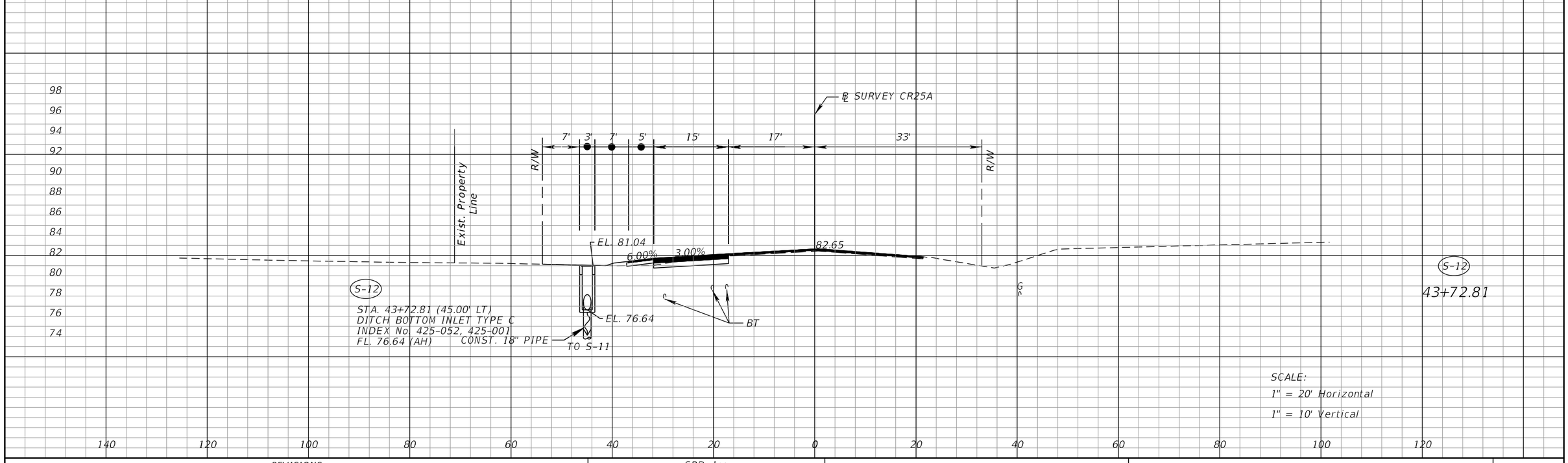
SRD, Inc.
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

DRAINAGE STRUCTURES (5)

SHEET NO. 20



REVISIONS			
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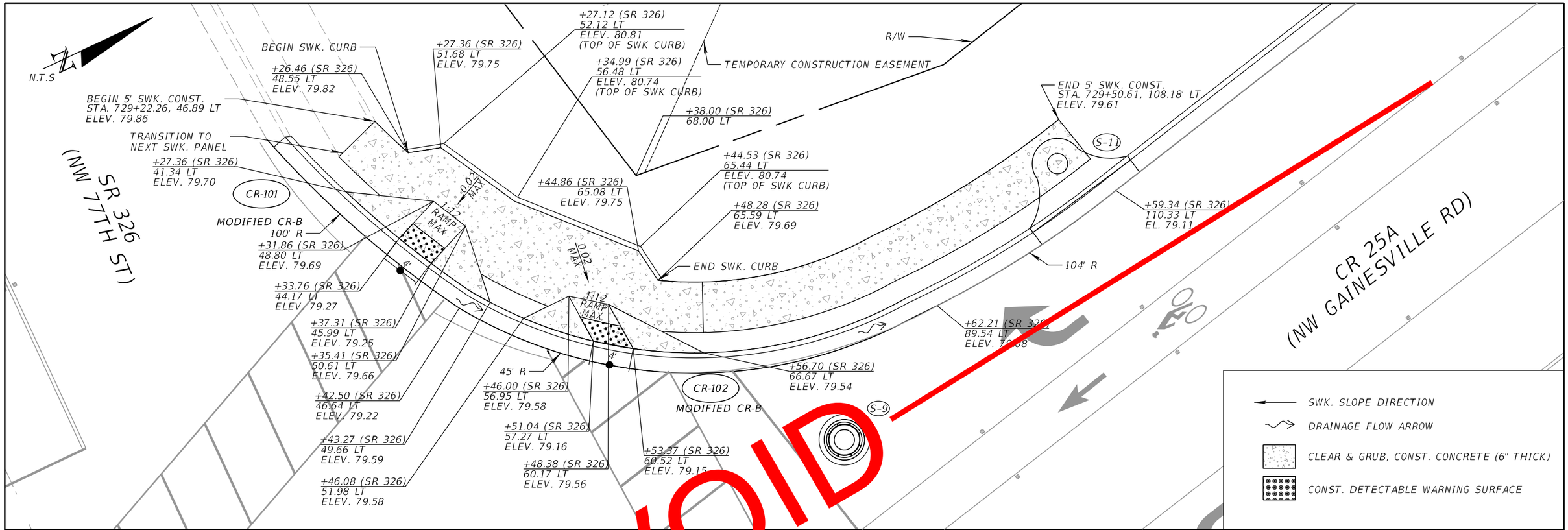
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

DRAINAGE STRUCTURES (6)

SHEET NO. 21

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REVISIONS			
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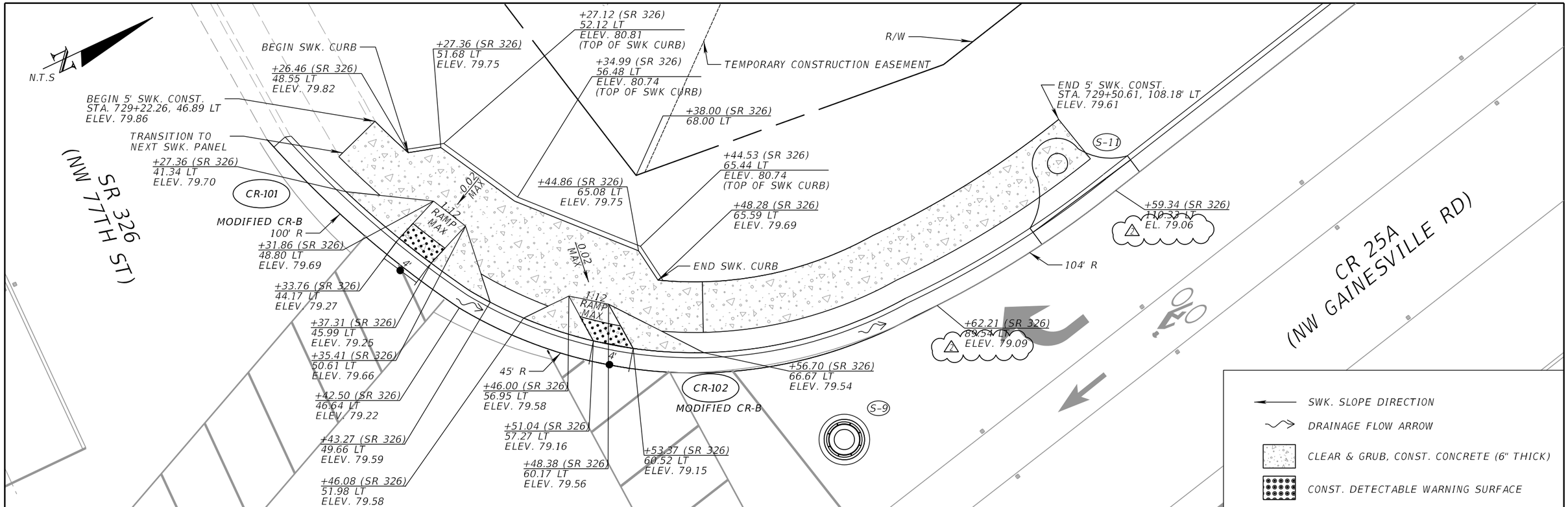
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SPECIAL DETAILS

SHEET NO. 22

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/26/20 JMS	2 REVISED PROFILE ELEVATIONS		RFI 03 - EDMS #1427696

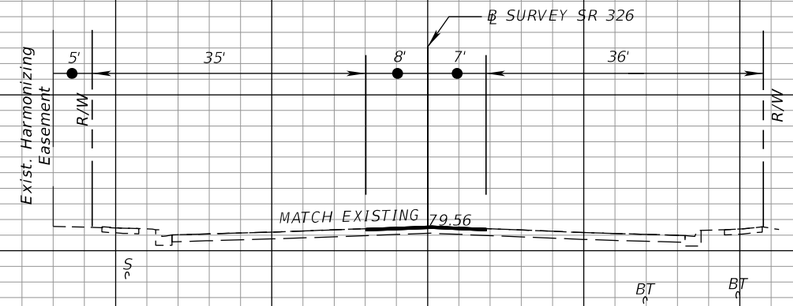
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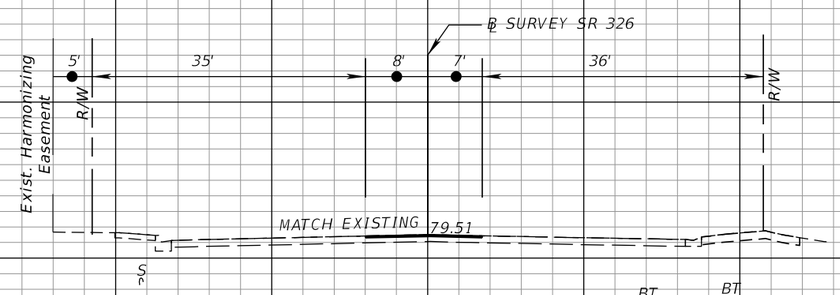
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SPECIAL DETAILS

SHEET NO. 22



723+50.00



BEGIN PROJECT
BEGIN CONSTRUCTION
BEGIN MILLING &
RESURFACING
STA. 723+10.00

723+10.00

LEGEND

##.# ▽ ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)

##.# ▼ ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) 24 HRS AFTER DATE DRILLED

GNE GROUNDWATER NOT ENCOUNTERED

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

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	0
0	0	0	0	0	0

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REVISIONS			
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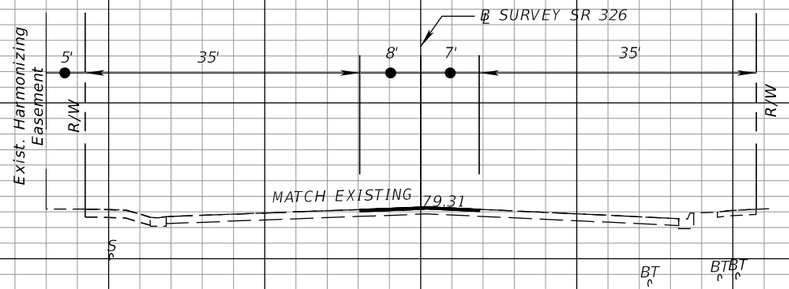
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

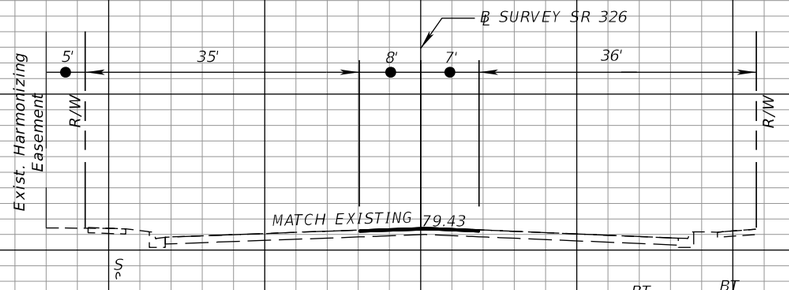
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (1)

SHEET NO. 23

jsmith 9/30/2019 11:02:54 AM P:\435660-2 SR 326\43566023201\roadway\rdxsrd01.dgn





724+50.00

724+00.00

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	0
0	0	0	0	0	0

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

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REVISIONS			
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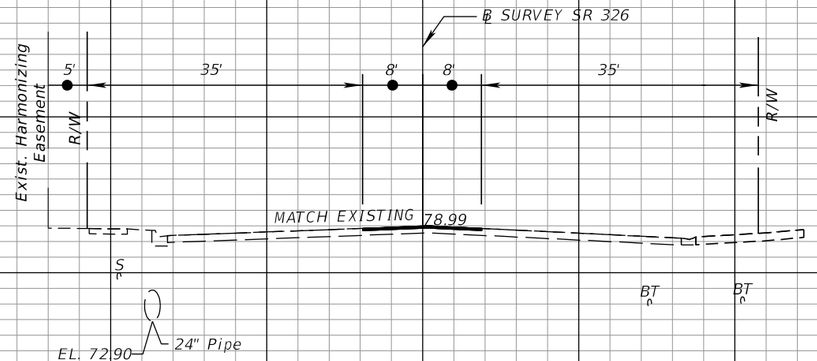
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

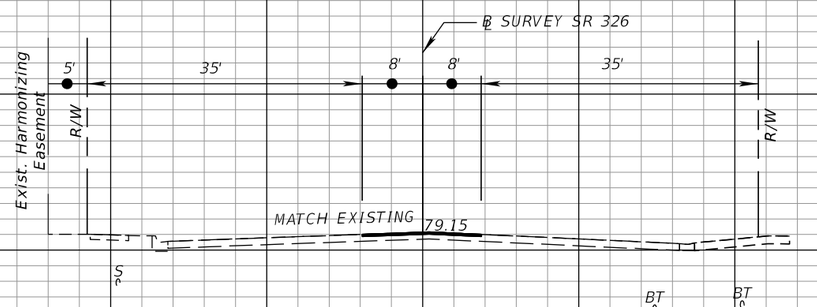
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (2)

SHEET NO. 24

jsmith 9/30/2019 11:02:54 AM P:\435660-2 SR 326\43566023201\roadway\rdxsrd01.dgn





92 90 88 86 84 82 80 78 76 74

725+50.00

725+00.00

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	0
0	0	0	0	0	0

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

100 80 60 40 20 0 20 40 60 80

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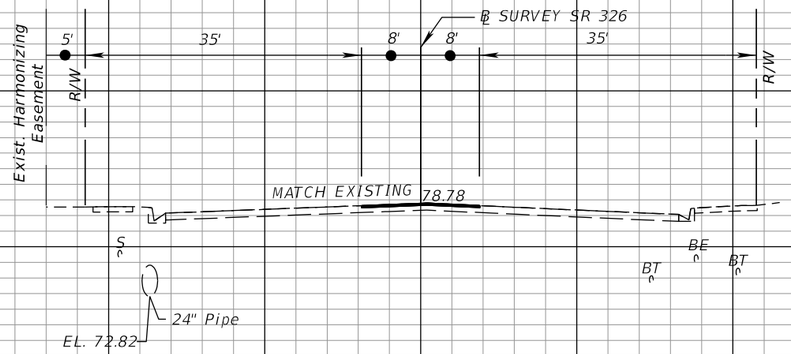
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

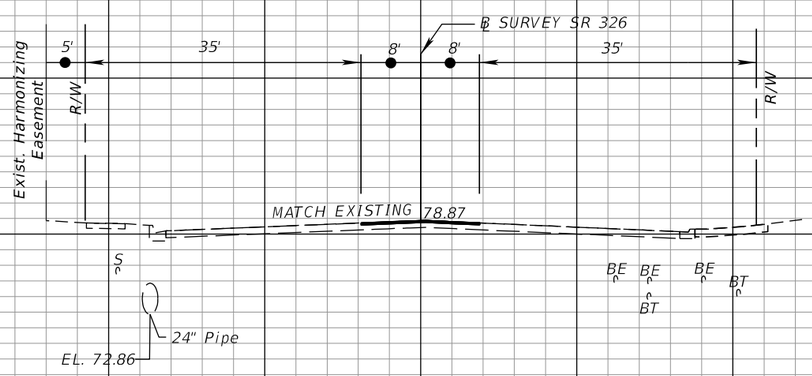
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (3)

SHEET NO. 25

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Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	0
0	0	0	0	0	0

726+50.00

726+00.00

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

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REVISIONS			
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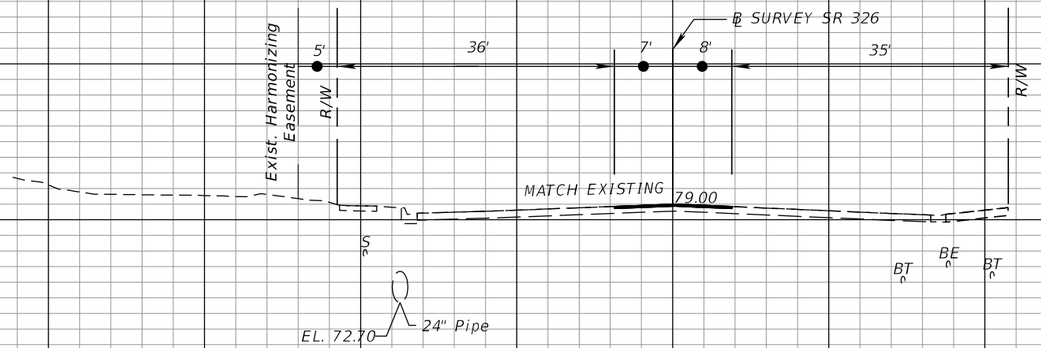
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

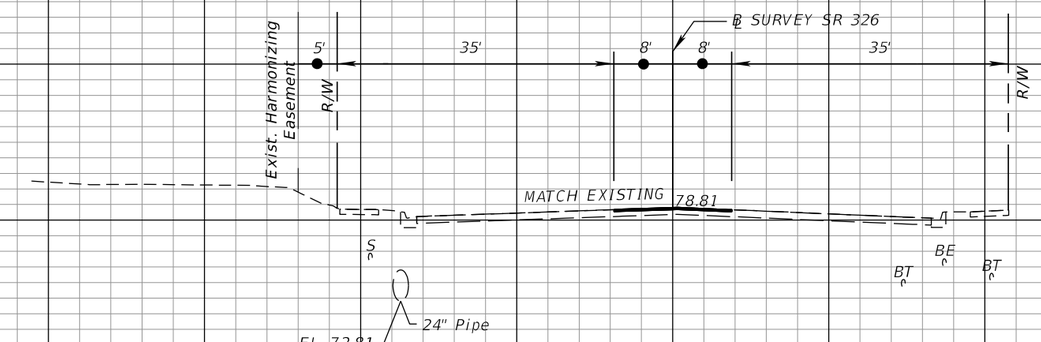
CROSS SECTIONS (4)

SHEET NO. 26

jsmith 9/30/2019 11:02:55 AM P:\435660-2 SR 326\43566023201\roadway\rdxsrd01.dgn



727+50.00



727+00.00

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	0
0	0	0	0	0	0

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

100 80 60 40 20 0 20 40 60 80

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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Tampa, FL 33619
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Certificate No. 00008828
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P.E. No. 43370

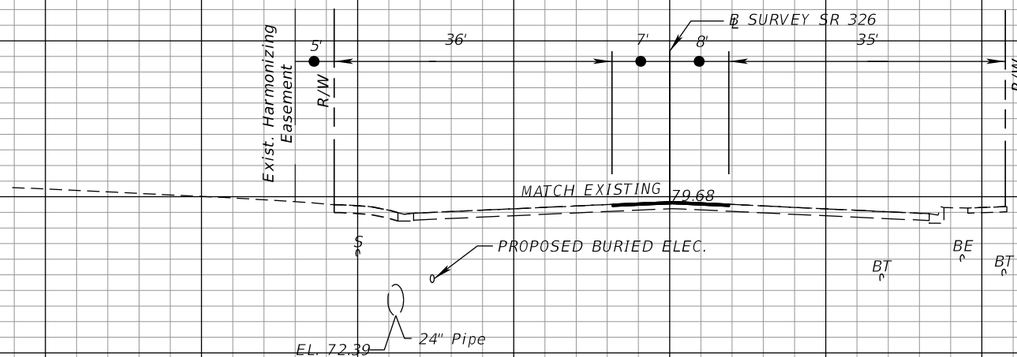
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

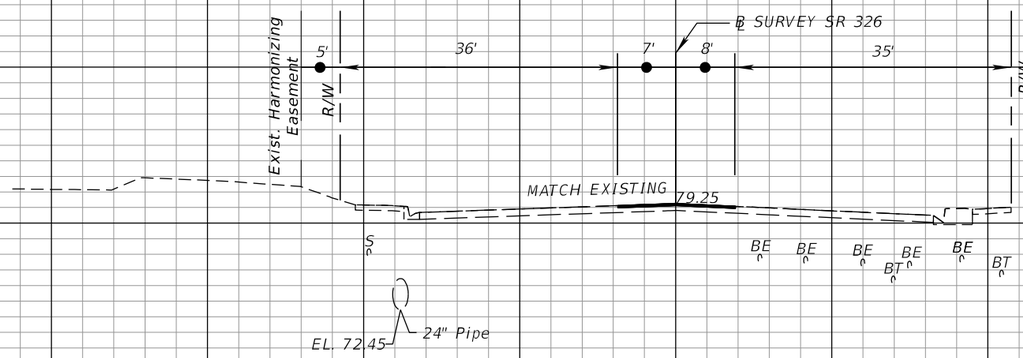
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (5)

SHEET NO. 27

jsmith 9/30/2019 11:02:55 AM P:\435660-2 SR 326\43566023201\roadway\rdxsrd01.dgn





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

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	0
0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

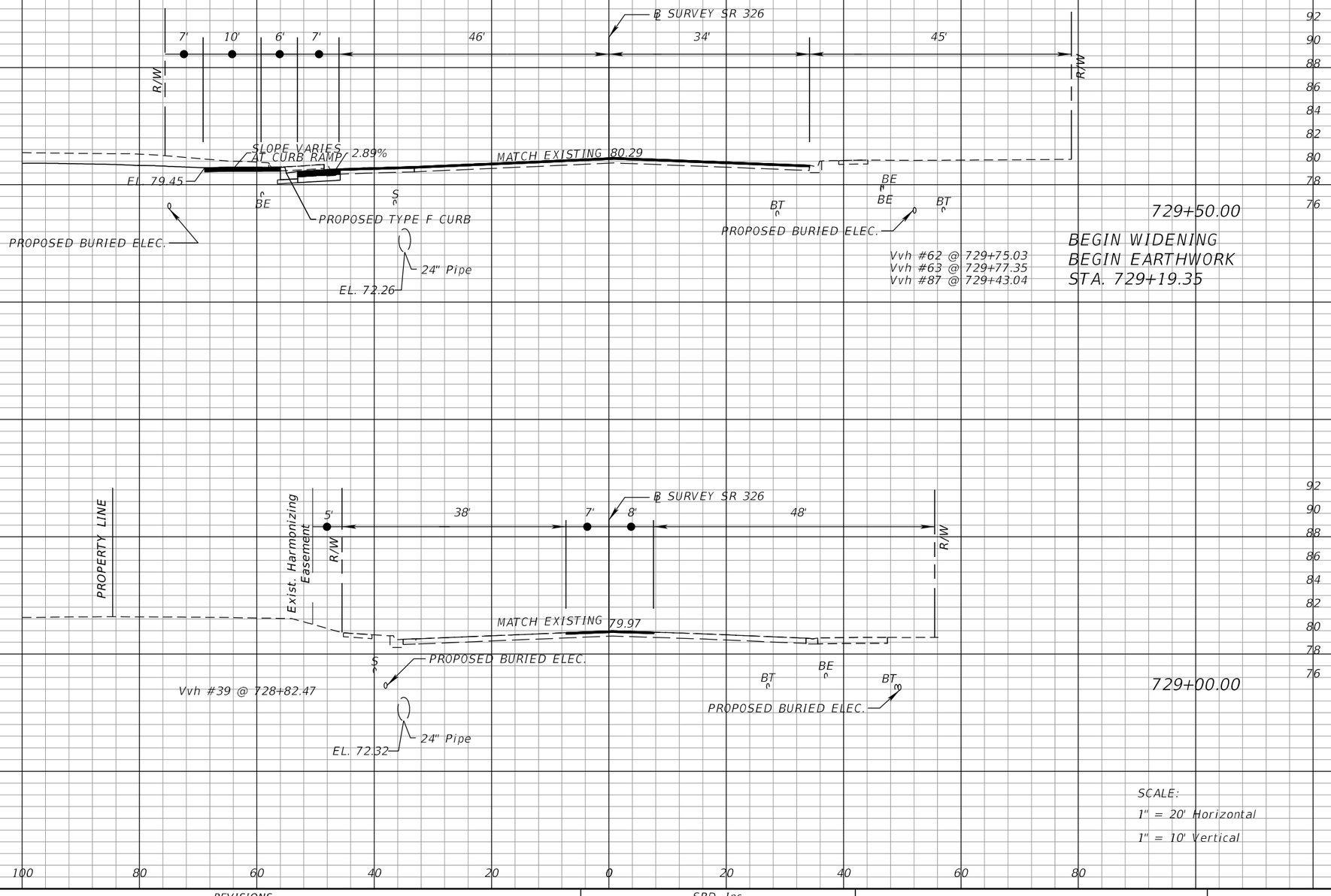
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (6)

SHEET NO. 28

jsmith 9/30/2019 11:02:55 AM P:\435660-2 SR 326\43566023201\roadway\rdxsrd01.dgn



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0	0	44	40	0	0
0	0	0	0	0	0

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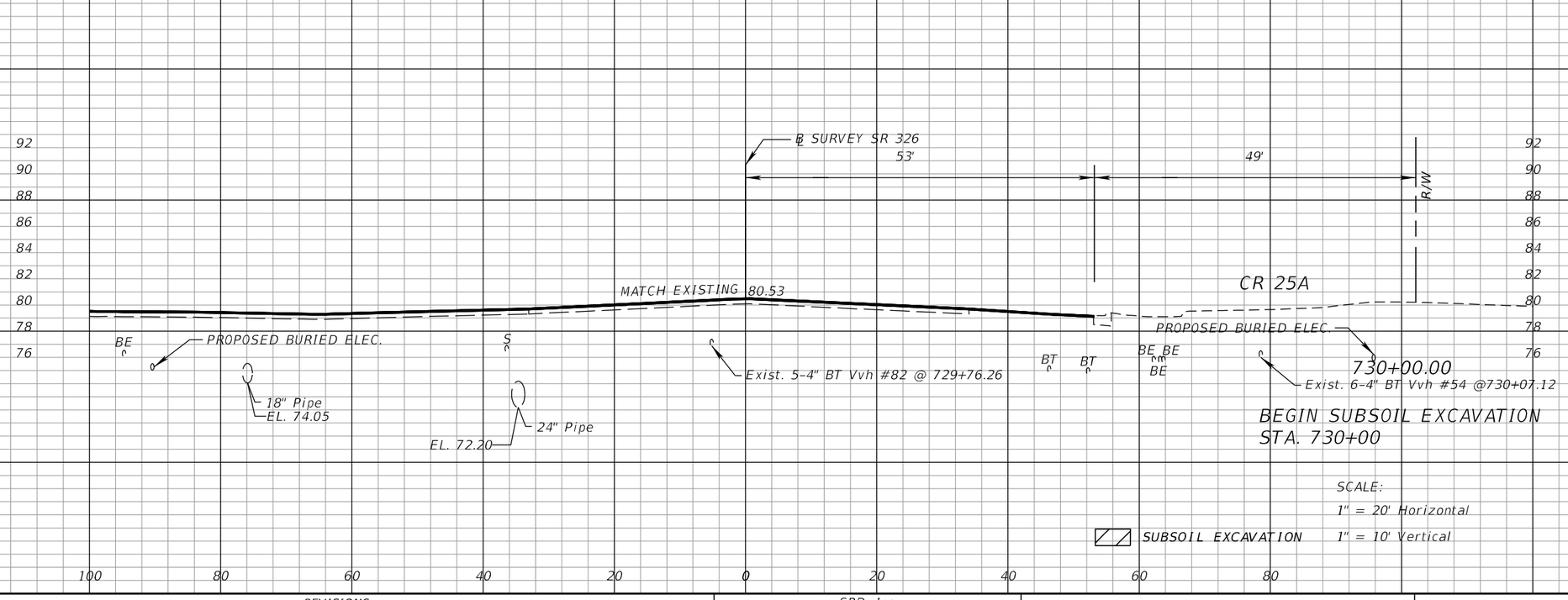
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (7)

SHEET NO. 29

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0	0	0	40	0	0



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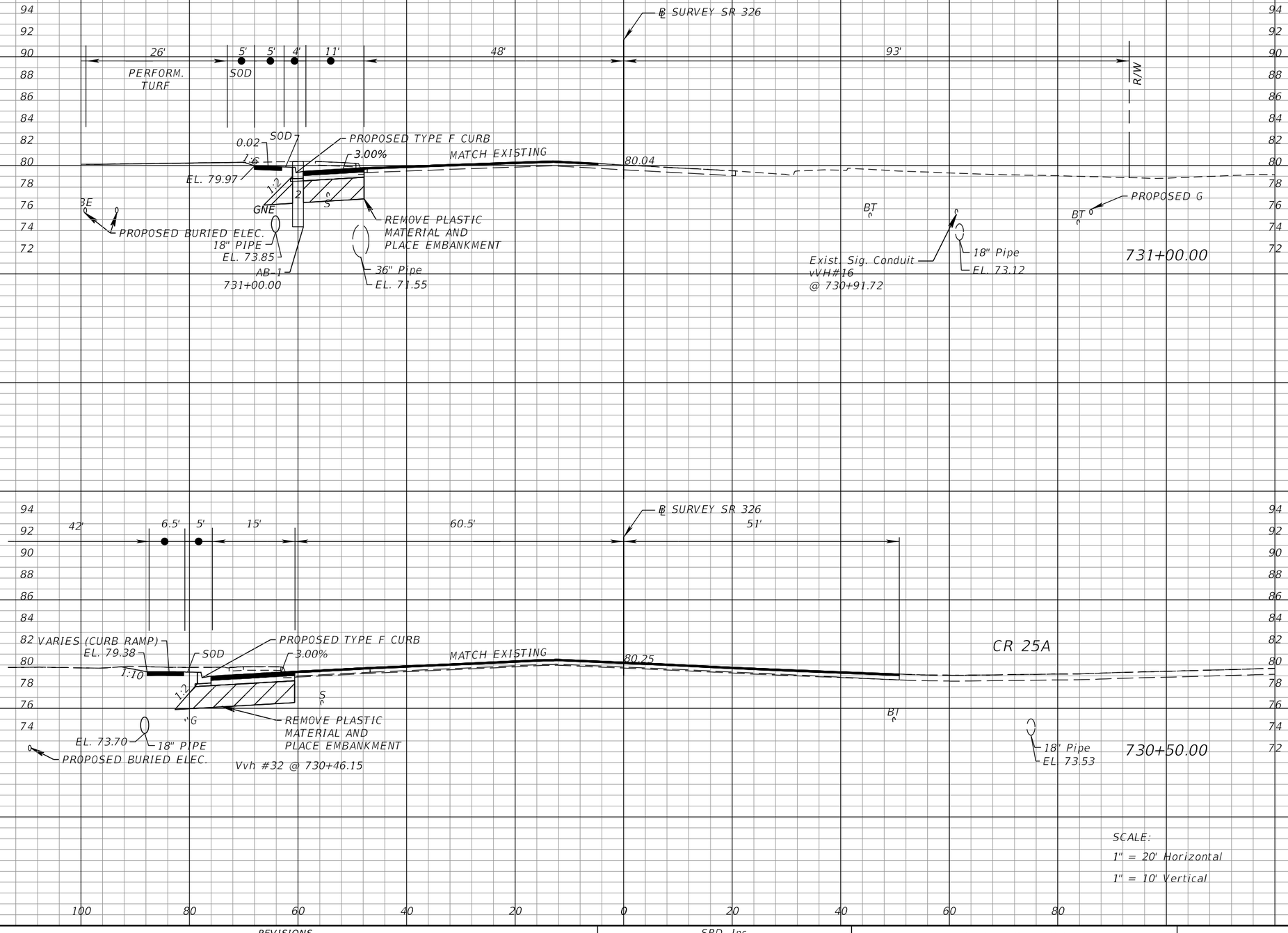
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (8)

SHEET NO. 30

jsmith 9/30/2019 11:02:56 AM P:\435660-2 SR 326\43566023201\roadway\rdxsrd01.dgn



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
37	68	35	74	46	84
20	38	40	6	23	44

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

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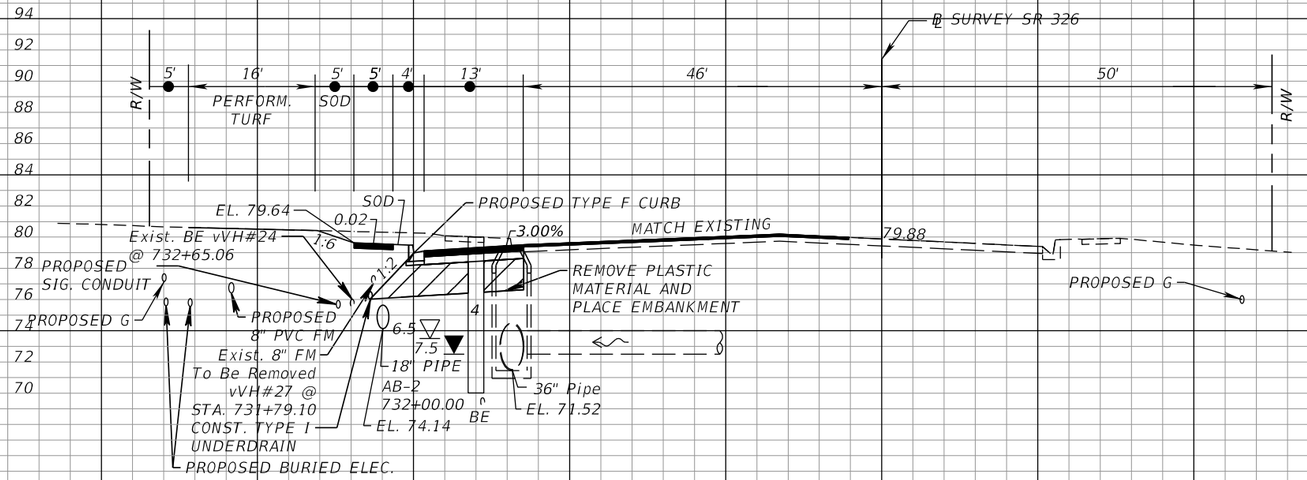
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

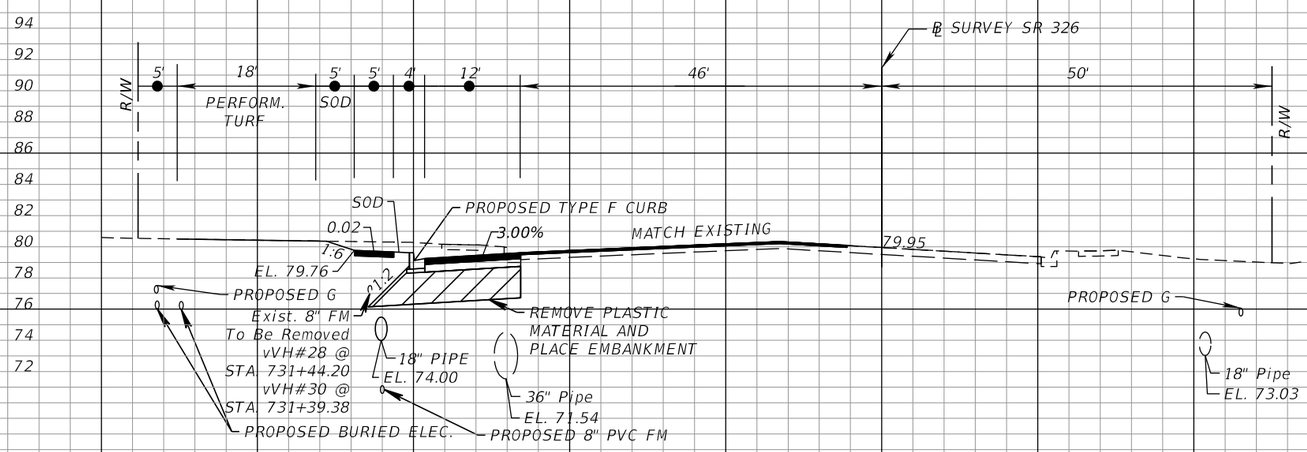
CROSS SECTIONS (9)

SHEET NO. 31

jsmith 9/30/2019 11:02:56 AM P:\435660-2 SR 326\43566023201\roadway\rdxsrd01.dgn



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
35	65	42	76	45	84



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
34	63	50	71	45	83

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

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

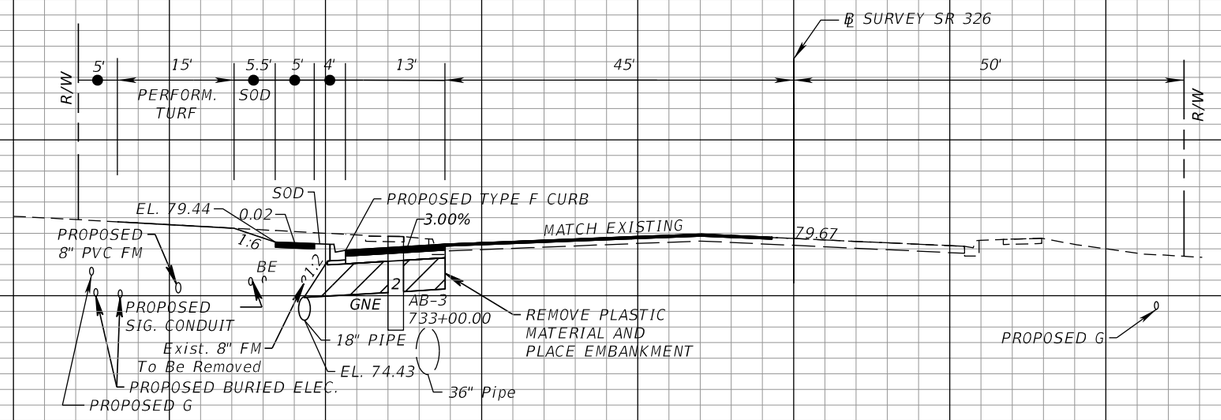
SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
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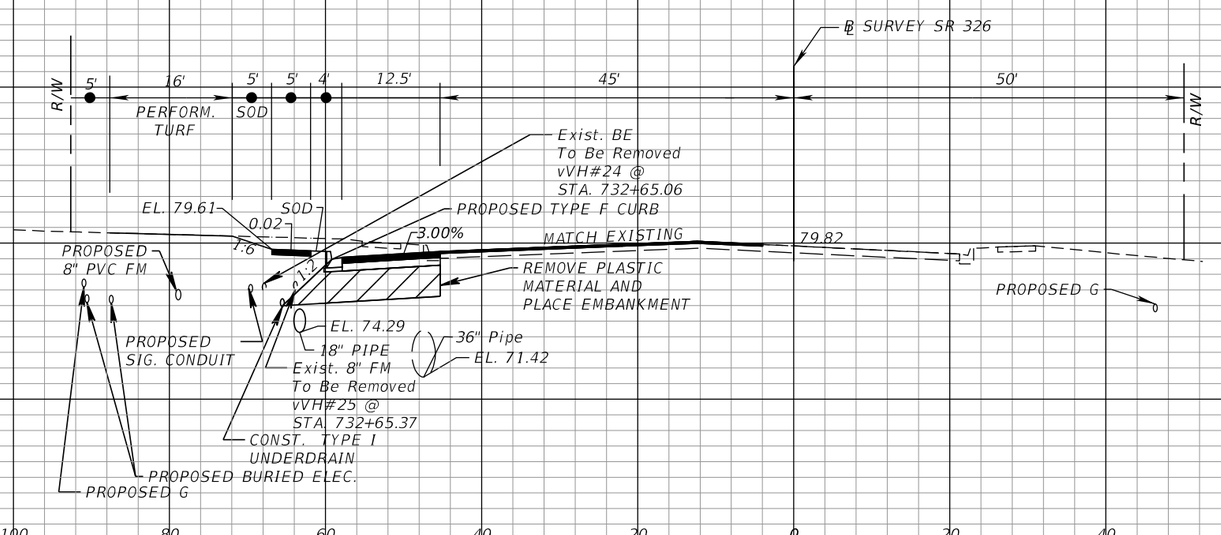
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (10)

SHEET NO. 32





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

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
35	65	41	77	44	82
36	66	44	80	47	86

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REVISIONS			
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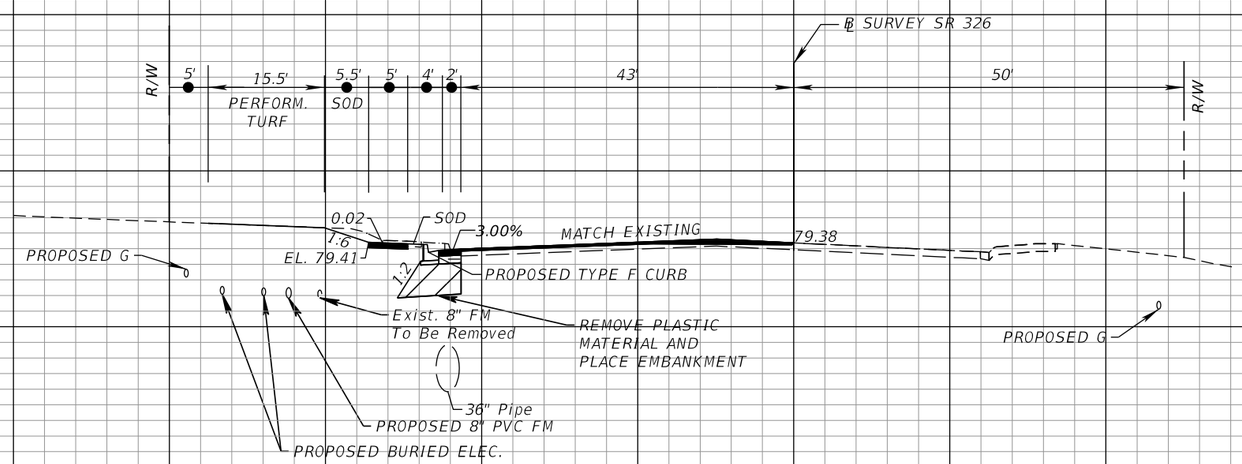
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

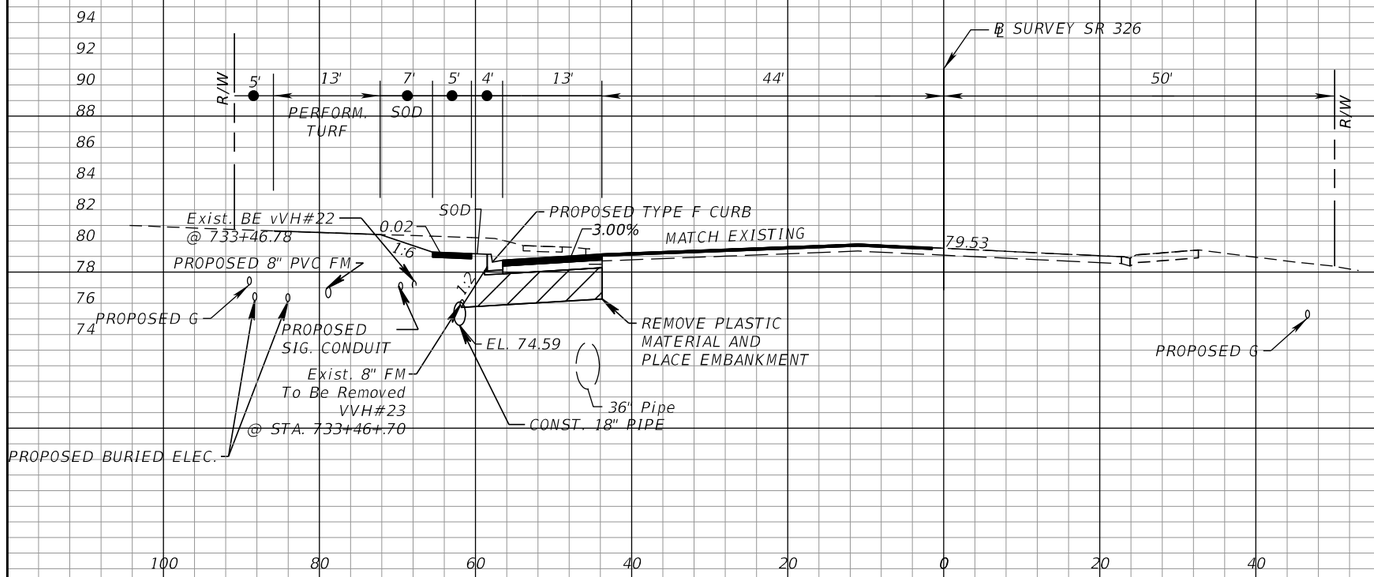
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (11)

SHEET NO. 33

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Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
24	44	18	56	31	56
34	62	43	75	41	74

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

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REVISIONS			
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Certificate No. 00008828
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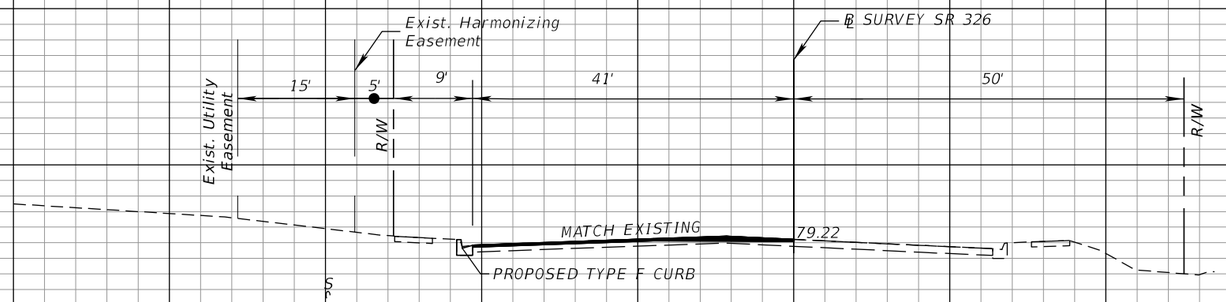
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (12)

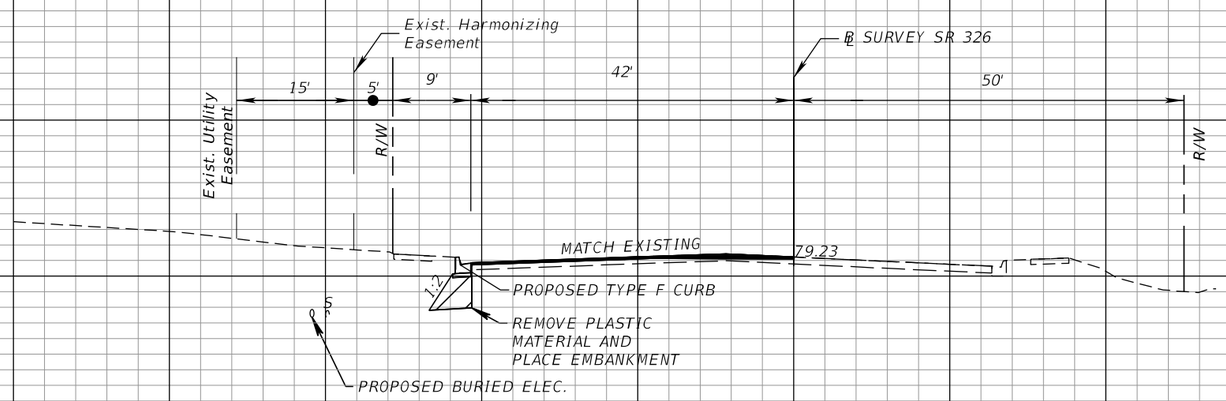
SHEET NO. 34

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END PROJECT
END MILLING & RESURFACING
END CONSTRUCTION
END WIDENING
END EARTHWORK
END SUBSOIL EXCAVATION
STA. 734+54.00

734+53.83



734+50.00

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

100 80 60 40 20 0 20 40 60 80

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
4	1	5	0	7	1
11	20	10	25	18	32

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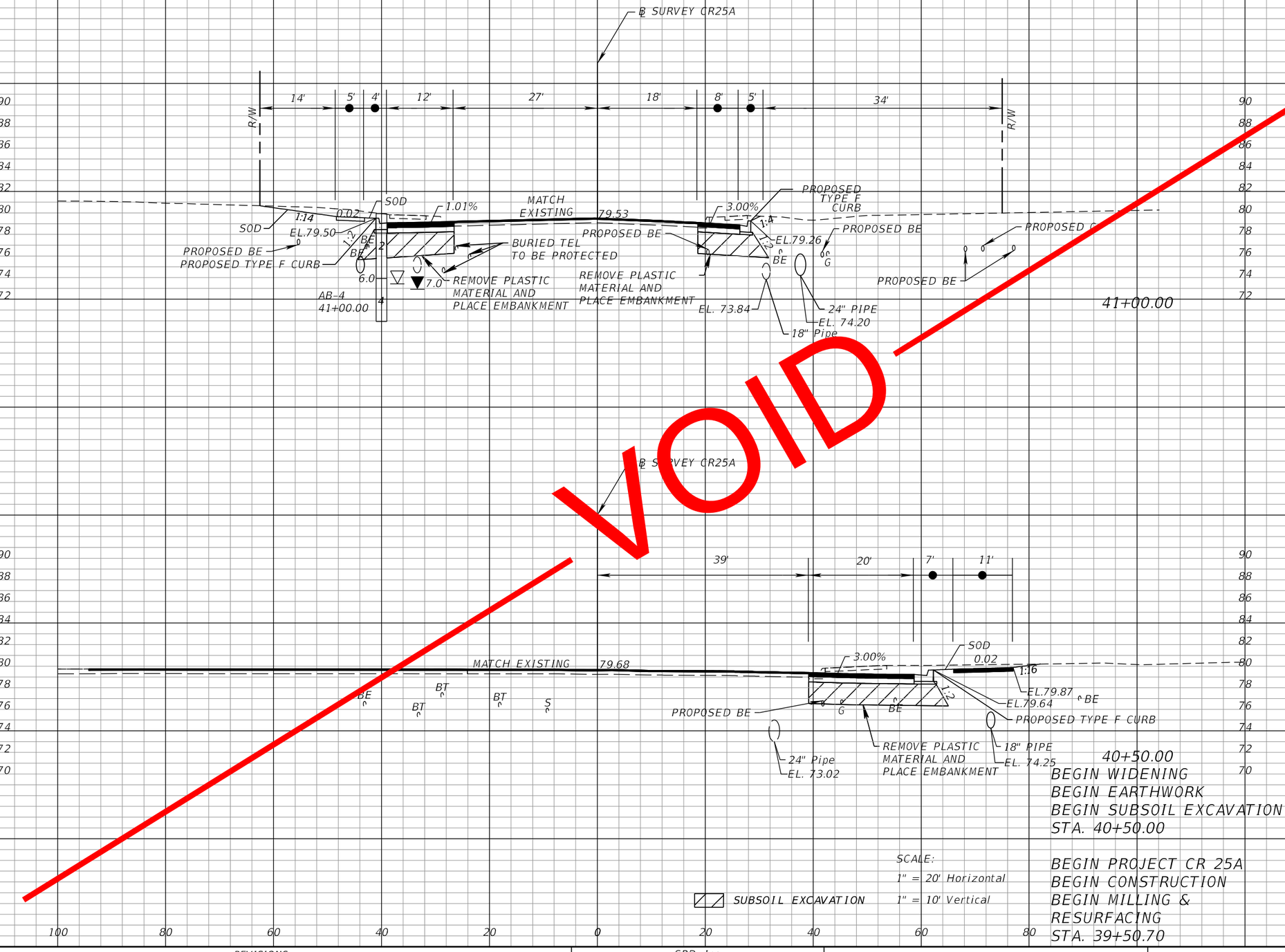
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (13)

SHEET NO. 35

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Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
55	102	49	105	59	120
25	46	49	4	25	50

VOID

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REVISIONS			
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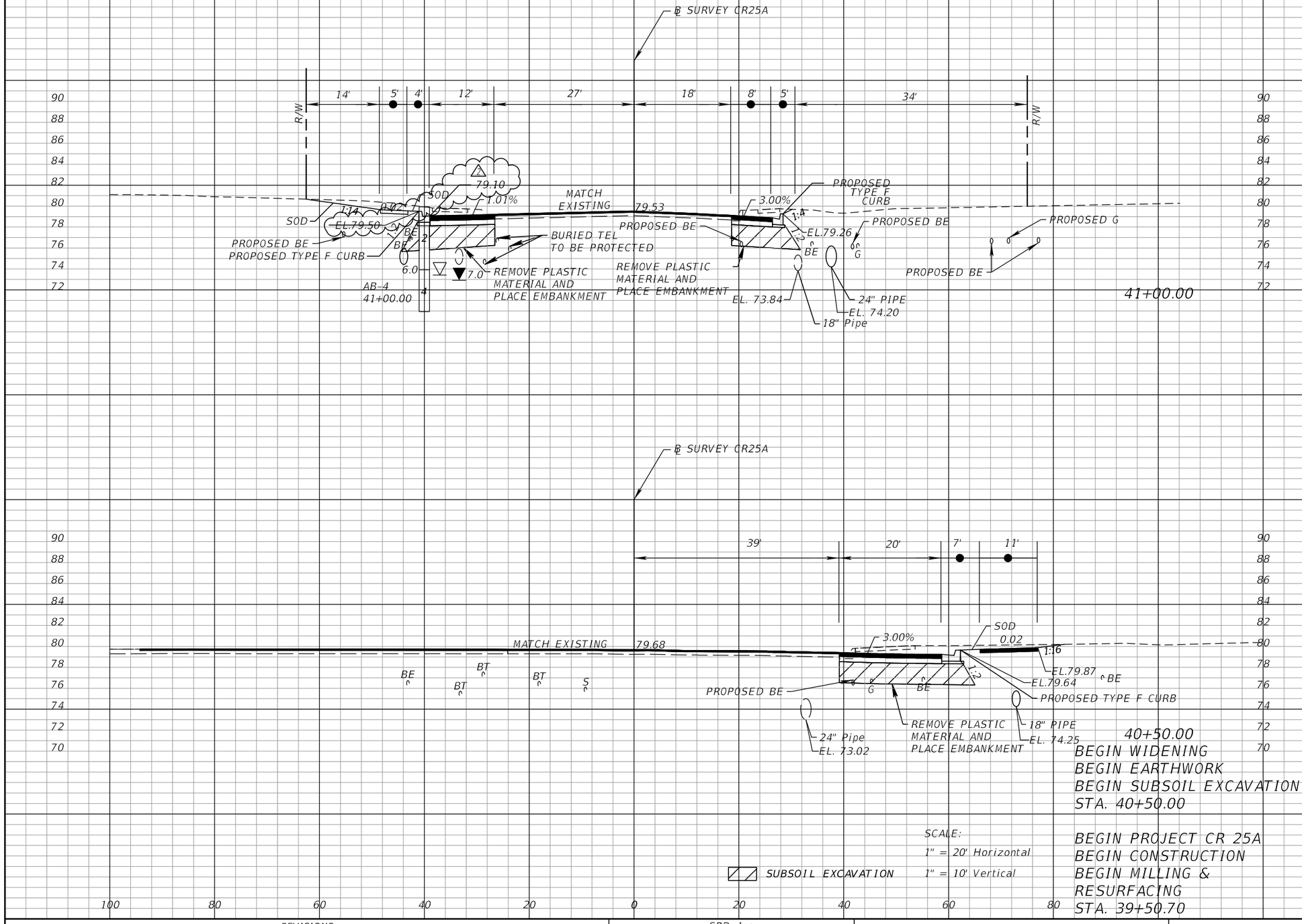
STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (14)

SHEET NO. 36

jsmith 9/30/2019 11:02:57 AM P:\435660-2 SR 326\43566023201\roadway\rdxsrd01.dgn



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
55	102	49	105	59	120
25	46	49	4	25	50

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03/26/20 JMS	2 ADDED ELEVATION CALLOUT		RFI 03 - EDMS #1427696

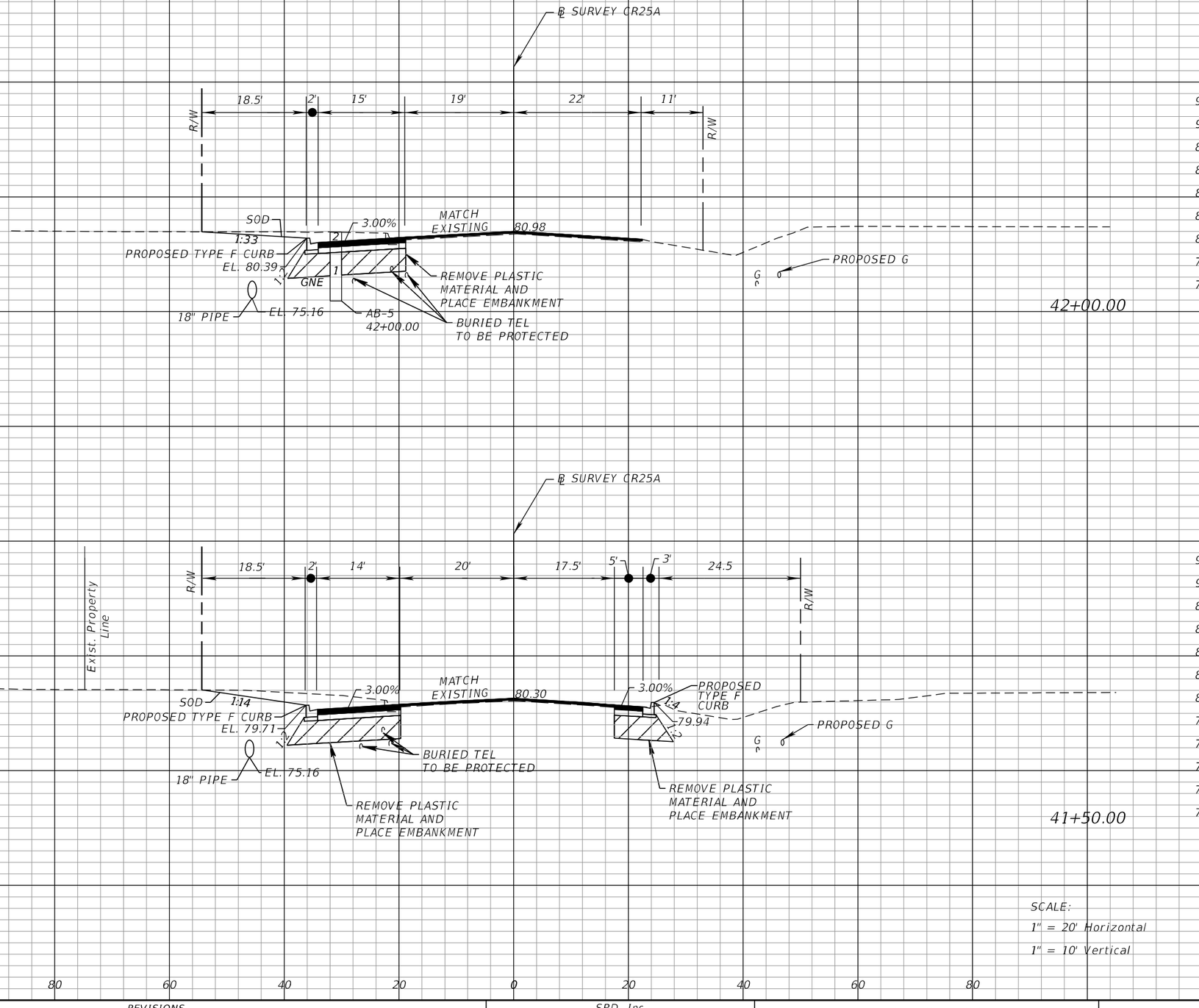
SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (14)

SHEET NO. 36



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

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
47	87	39	91	54	106
58	108	53	112	65	134

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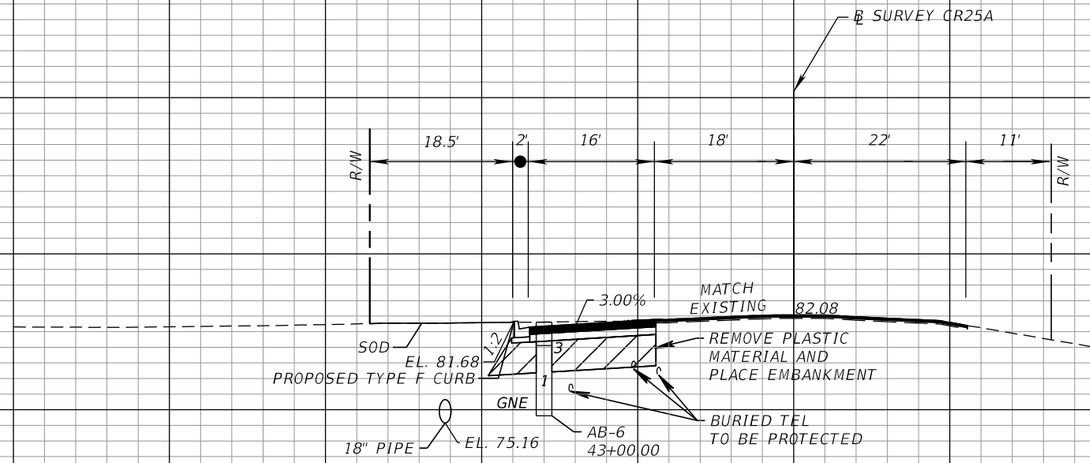
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

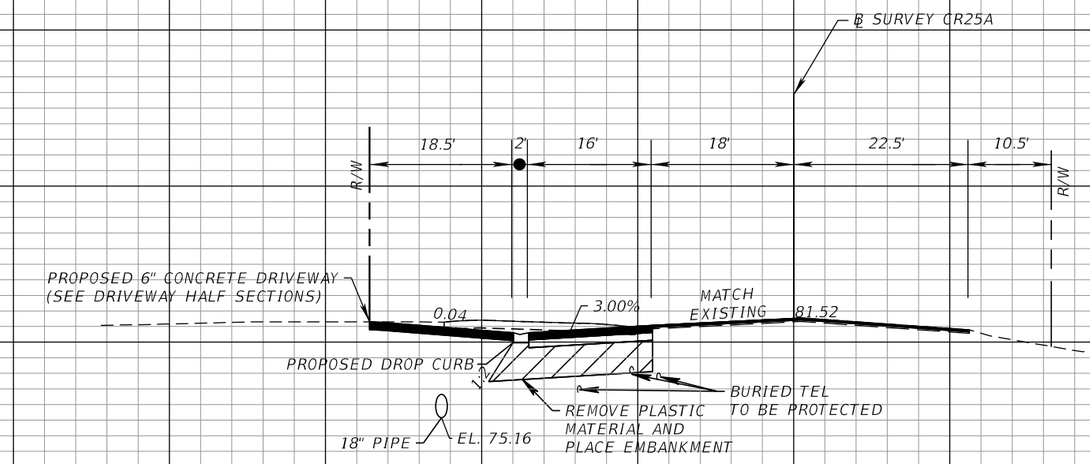
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (15)

SHEET NO. 37

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Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
40	75	26	65	46	86
40	73	44	76	46	84

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

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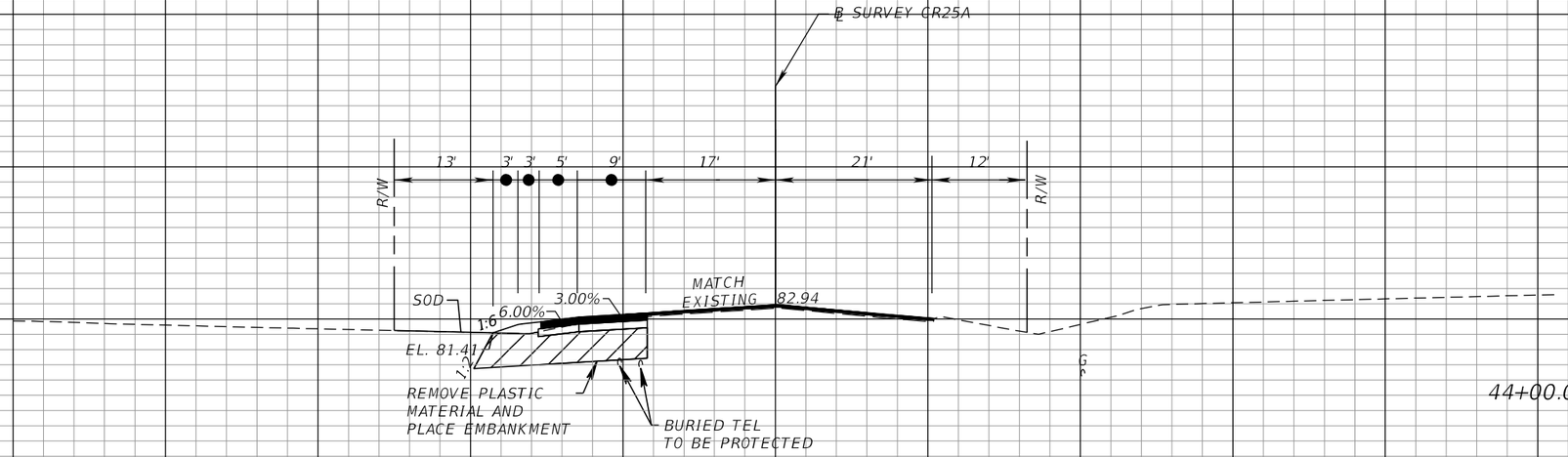
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

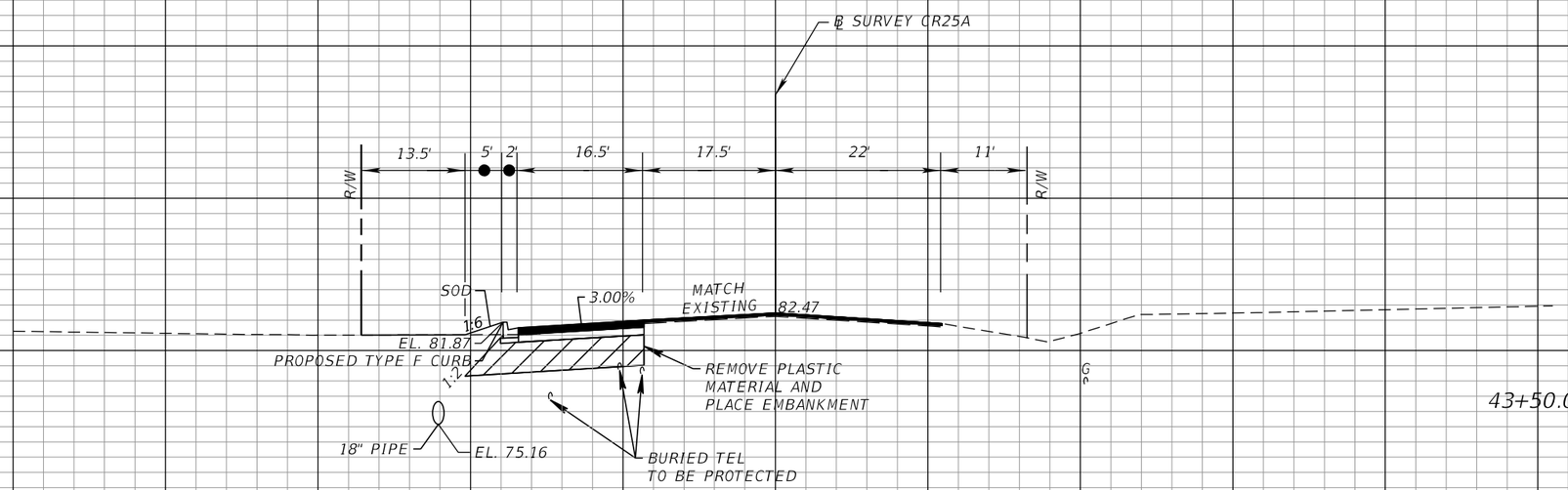
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (16)

SHEET NO. 38

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Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
44	82	13	29	43	91
42	78	20	44	51	91

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

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REVISIONS			
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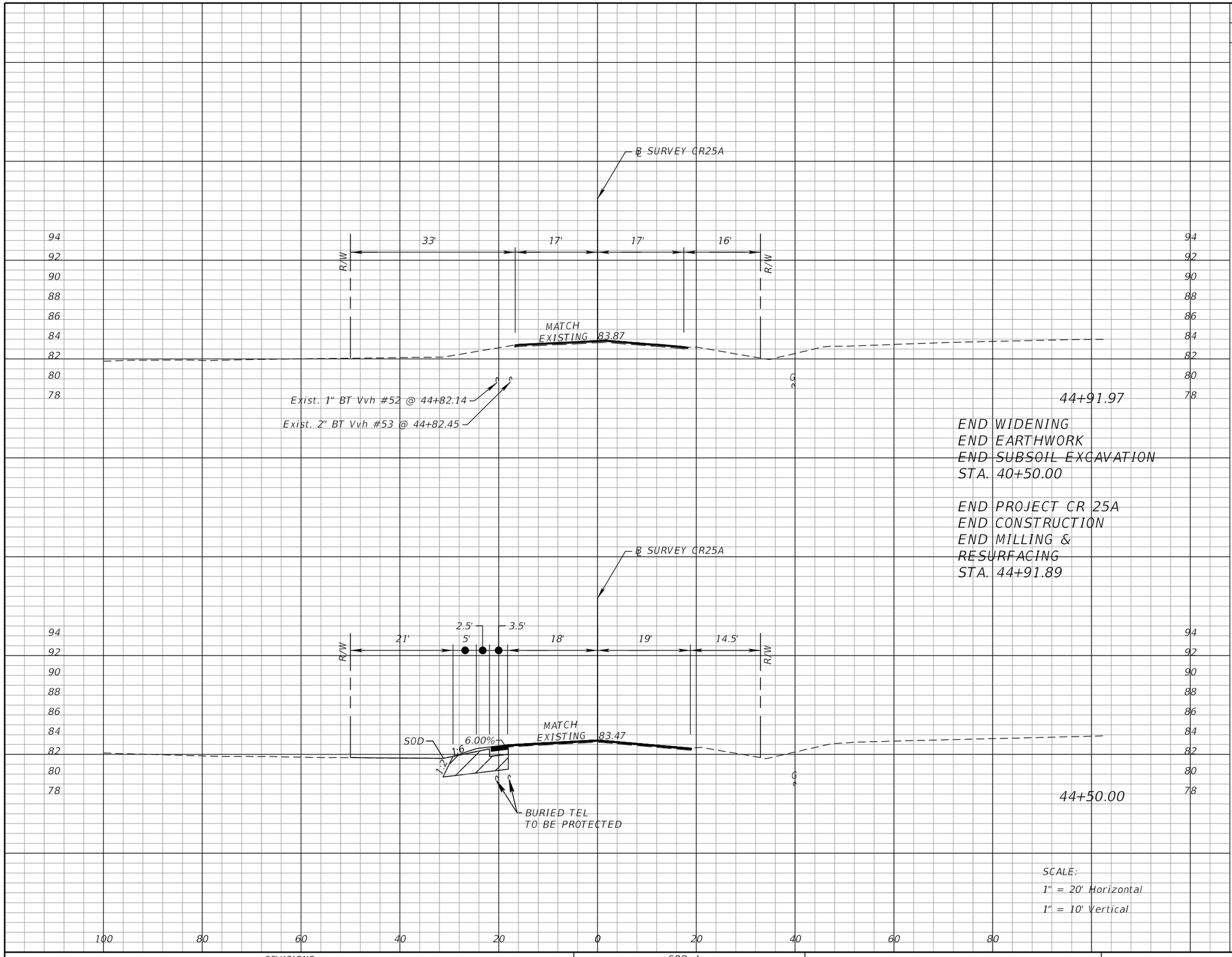
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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (17)

SHEET NO. 39



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
12	22	1	5	14	24
34	64	5	16	28	69

SCALE:
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1" = 10' Vertical

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REVISIONS			
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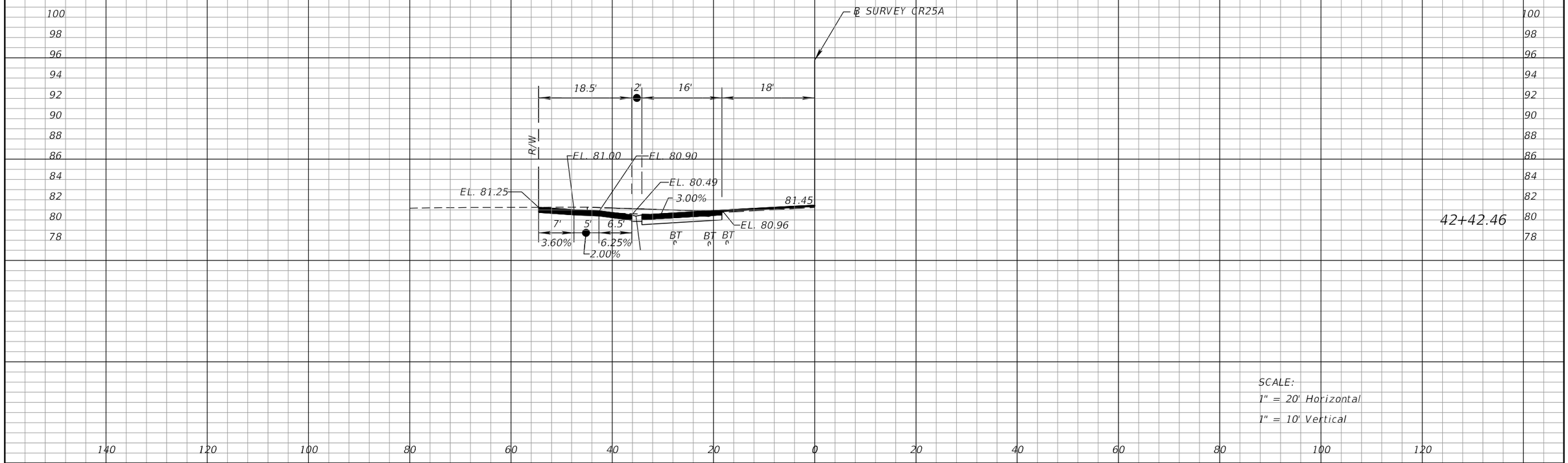
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

CROSS SECTIONS (18)

SHEET NO. 40



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

REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

DRIVEWAY HALF SECTIONS

SHEET NO. 41

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TEMPORARY TRAFFIC CONTROL PLANS GENERAL NOTES

1. A LANE MAY BE CLOSED ONLY DURING ACTIVE WORK PERIODS. NO LANE CLOSURES BETWEEN THE FOLLOWING HOURS:

   6:00 A.M TO 9:00 P.M.

2. KEEP THE WORK ZONE SPEED THE SAME AS THE EXISTING POSTED SPEED:

SR 326 (NW 77TH ST.)	45 MPH
CR 25A (NW GAINESVILLE RD)	45 MPH

3. THE FOLLOWING TO BE NOTIFIED:

FIRE COMMUNICATION	(352) 291-8000
POLICE COMMUNICATION	(352) 732-8181
EMS/AMBULATORY	(352) 291-8000
COMMUNICATION CENTER	(352) 732-9111
PINSLEY RAILROAD	(407) 886-9917

   WITHIN 2 BUSINESS DAYS OF ANTICIPATED DISRUPTION TO THE NORMAL FLOW OF TRAFFIC, INCLUDING LANE CLOSURES, DETOURS AND SIGNAL WORK.

4. ENSURE THAT THE RSU DOES NOT BROADCAST MAP MESSAGES RELATED TO INTERSECTION GEOMETRY DURING AN ACTIVE WORK ZONE WHICH INVOLVES LANE CLOSURES.

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TRAFFIC CONTROL GENERAL NOTES

SHEET NO. 42

PROJECT INFORMATION SIGN DETAIL

SR 326 IMPROVEMENTS
BY FDOT AND CONTRACTOR
COMPLETION: SEASON YEAR
QUESTIONS OR COMMENTS
1-(XXX) XXX-XXXX

NOTE: PLACE THE PROJECT INFORMATION SIGN 500' IN ADVANCE OF THE WARNING SIGN ON EACH MAINLINE APPROACH FOR DURATION OF THE PROJECT. OBTAIN THE CONTRACT INFORMATION AND PHONE NUMBER, FROM THE RESIDENT CONSTRUCTION OFFICE PRIOR TO, OR AT THE PROJECT PRE CONSTRUCTION CONFERENCE MEETING.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

NOTE: MESSAGE #1 OF PCMS NO. 1 SHALL BE DISPLAYED 14 DAYS IN ADVANCE OF FIRST LANE CLOSURE, THEN REPLACED WITH MESSAGE #2A AND #2B DURING ACTUAL LANE CLOSURES.

NOTE: PCMS TO BE PLACED 900 FEET ON APPROACH TO CONSTRUCTION WORK AREAS TO ALLOW FOR TWO MESSAGE CYCLES.

CONST
BEGINS
DATE (TO BE DETERMINED)

MESSAGE #1

RIGHT/LEFT
LANE
CLOSED

MESSAGE #2A

FLAGGER
AHEAD

MESSAGE #2B

TRAFFIC CONTROL PLAN PHASING

PHASE I

1.) INSTALL ADVANCED WARNING SIGNAGE, BARRIER, LONGITUDINAL CHANNELIZING DEVICE AND EROSION CONTROL IN ACCORDANCE WITH INDEX NO. 102-612 & 102-615.

2.) CONSTRUCT TEMPORARY PEDESTRIAN PATH AS SHOWN IN DETAIL I. CONSTRUCT TEMPORARY CURB CUT RAMPS AND PROVIDE TEMPORARY PEDESTRIAN SIGNALS ON BOTH THE EAST AND WEST SIDES OF CR 25A.

3.) PERFORM CLEARING AND GRUBBING.

4.) CONSTRUCT DRAINAGE STRUCTURES, PAVEMENT WIDENING, CURB & GUTTER AND CURB CUT RAMPS PER PHASING DETAIL I.

5.) CONSTRUCT STRAIN POLES AND SIGNALS IN ALL FOUR QUADRANTS.

PHASE II

1.) INSTALL ADVANCED WARNING SIGNAGE, BARRIER, LONGITUDINAL CHANNELIZING DEVICES AND EROSION CONTROL IN ACCORDANCE WITH INDEX NO. 102-602, 102-615 & 102-616.

2.) CONSTRUCT PEDESTRIAN PATH AS SHOWN IN DETAIL II.

3.) PERFORM CLEARING AND GRUBBING.

4.) CONSTRUCT DRAINAGE STRUCTURES, DESILT PIPES, PAVEMENT WIDENING, REMAINING SIGNALS WORK, CURB & GUTTER AND CURB CUT RAMPS PER PHASING DETAIL II.

PHASE III

1.) INSTALL ADVANCED WARNING SIGNAGE, LONGITUDINAL CHANNELIZING DEVICES AND PEDESTRIAN PATH IN ACCORDANCE WITH INDEX NO. 102-602, 102-615 & 102-616 AND AS SHOWN IN PHASING DETAIL III.

2.) CONSTRUCT CURB & GUTTER, CURB CUT RAMPS, AND DRAINAGE PER PHASING DETAIL III.

PHASE IV

1.) INSTALL ADVANCE WARNING SIGNS, BARRICADES, CONSTRUCTION SIGNS, AND REMOVE CONFLICTING MARKINGS AND SIGNS IN ACCORDANCE WITH NO. 102-613, 102-614, 102-615, 102-616, & 102-628

2.) CLOSE SR 326 CENTER LANE/TURN LANE AND MILL AND RESURFACE.

3.) CLOSE CR 25A NB LANE AND FLAG SB LANES. MILL AND RESURFACE NB LANE.

4.) CLOSE CR 25A SB LANES AND FLAG NB LANE. MILL AND RESURFACE SB LANES.

5.) CLOSE SR 326 WB LANE AND SHIFT TRAFFIC. MILL AND RESURFACE WB LANES.

6.) REMOVE REMAINING TEMPORARY PATHWAYS, TEMPORARY PEDESTRIAN SIGNALS AND TEMPORARY BARRIER.

7.) COMPLETE SIGNING AND LIGHTING WORK.

8.) APPLY FINAL THERMOPLASTIC STRIPING & REFLECTIVE MARKERS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

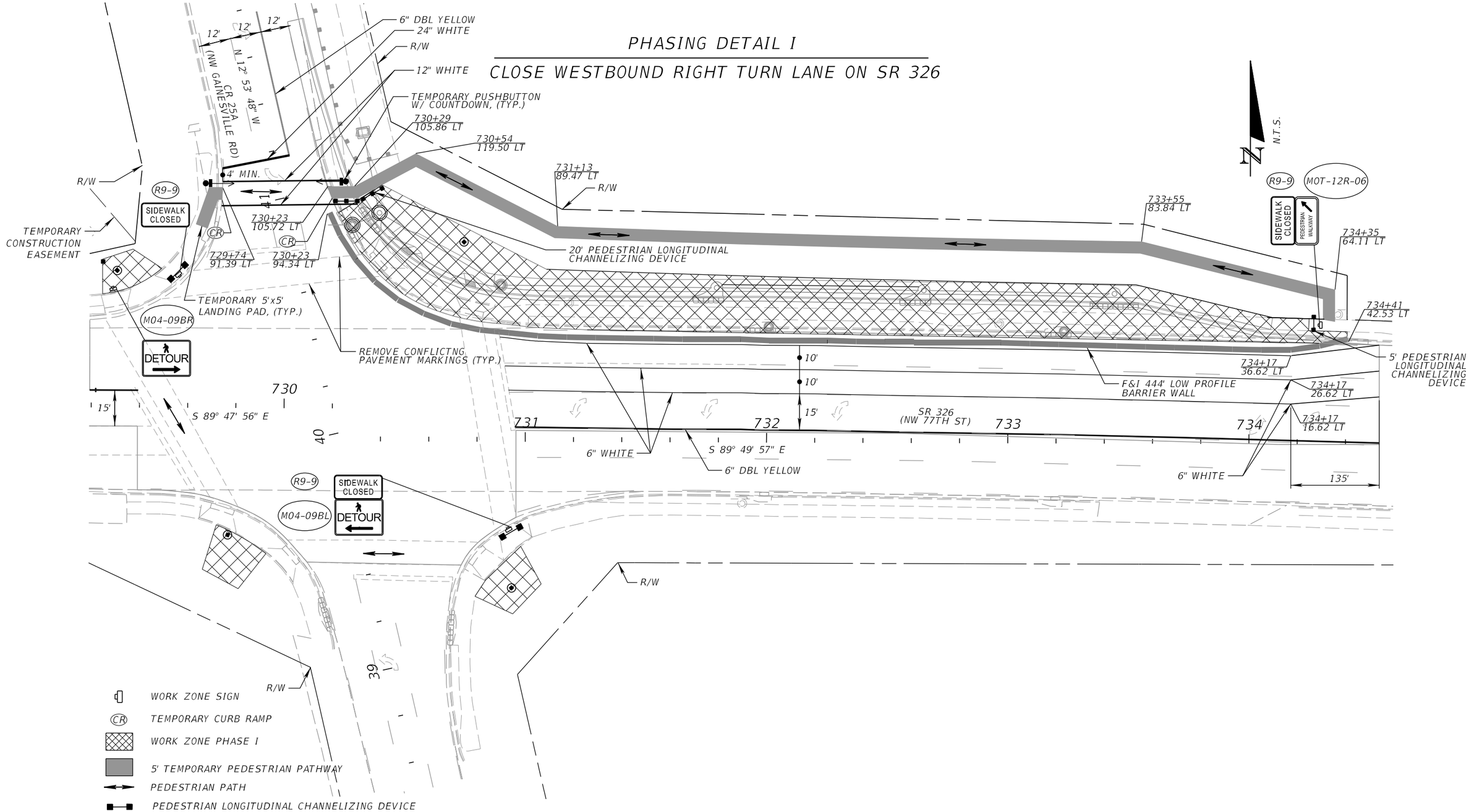
TEMPORARY TRAFFIC CONTROL PLAN (1)

SHEET NO. 43

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

PHASING DETAIL I

CLOSE WESTBOUND RIGHT TURN LANE ON SR 326



NOTE: CONTRACTOR REFER TO TEMPORARY TRAFFIC CONTROL PLAN (1) FOR PHASING DETAILS

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TEMPORARY TRAFFIC CONTROL PLAN (2)

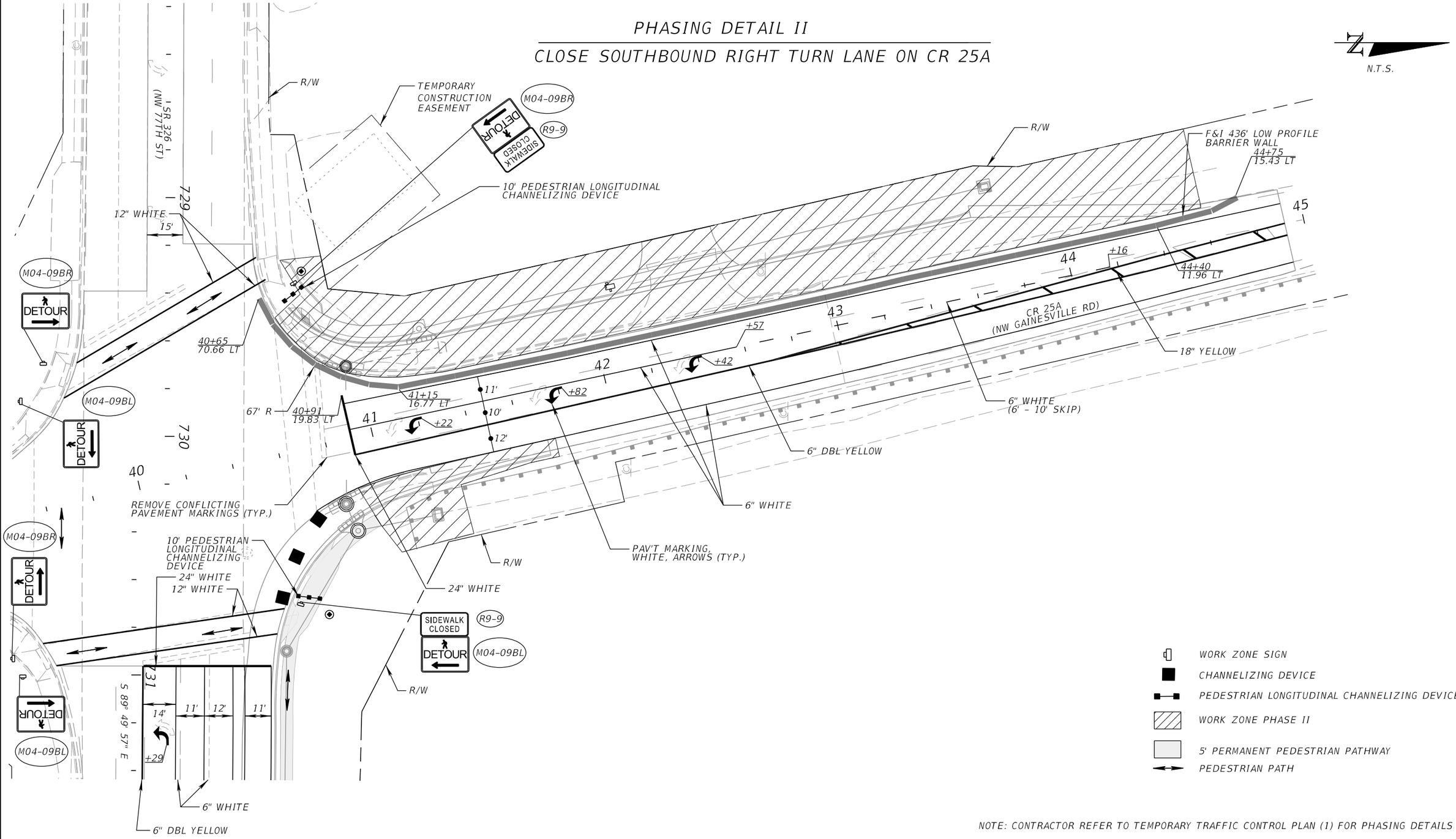
SHEET NO. 44

jsmith 9/30/2019 11:03:00 AM P:\435660-2 SR 326\43566023201\roadway\tcgnrd02.dgn

PHASING DETAIL II

CLOSE SOUTHBOUND RIGHT TURN LANE ON CR 25A

N.T.S.



WORK ZONE SIGN

CHANNELIZING DEVICE

PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE

WORK ZONE PHASE II

5' PERMANENT PEDESTRIAN PATHWAY

PEDESTRIAN PATH

NOTE: CONTRACTOR REFER TO TEMPORARY TRAFFIC CONTROL PLAN (1) FOR PHASING DETAILS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
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Tampa, FL 33619
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Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TEMPORARY TRAFFIC CONTROL PLAN (3)

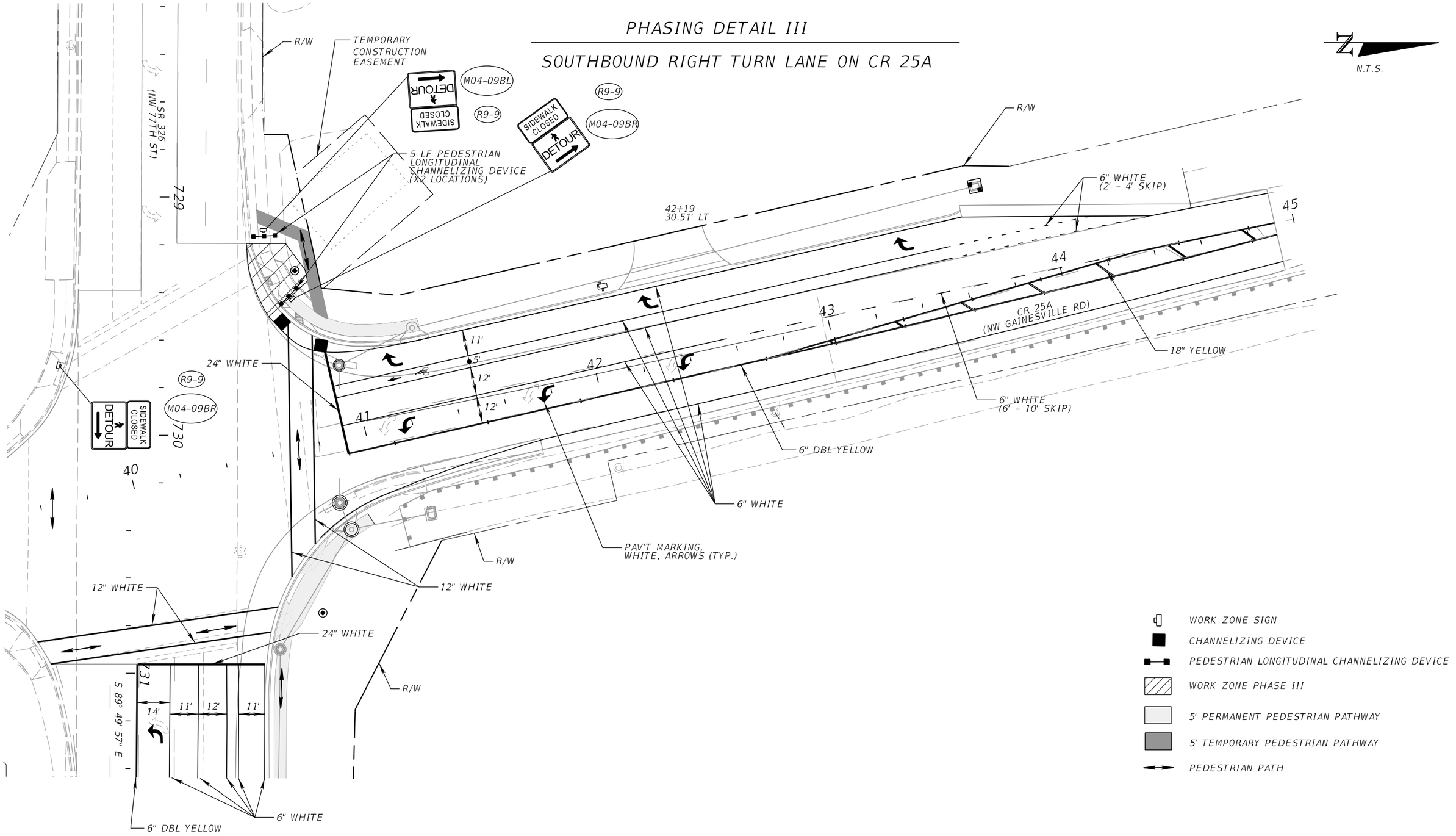
SHEET NO. 45

jsmith 9/30/2019 11:03:01 AM P:\435660-2 SR 326\43566023201\roadway\tcgnrd02.dgn

PHASING DETAIL III

SOUTHBOUND RIGHT TURN LANE ON CR 25A

N.T.S.



- WORK ZONE SIGN
- CHANNELIZING DEVICE
- PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE
- WORK ZONE PHASE III
- 5' PERMANENT PEDESTRIAN PATHWAY
- 5' TEMPORARY PEDESTRIAN PATHWAY
- PEDESTRIAN PATH

NOTE: CONTRACTOR REFER TO TEMPORARY TRAFFIC CONTROL PLAN (1) FOR PHASING DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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Robert Neil, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TEMPORARY TRAFFIC CONTROL PLAN (4)

SHEET NO. 46

jsmith 9/30/2019 11:03:01 AM P:\435660-2 SR 326\43566023201\roadway\tcgnrd02.dgn

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

SUMMARY OF VERIFIED UTILITIES

Vvh #	UTILITY DESCRIPTION (Owner, Type)	SIZE	MATERIALS	℄ SR 326 STATION	℄ SR 326 OFFSET	℄ SR 326 LT/RT	EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
001	EXPLORE			729+79.63	59.9	RT		N/A	
002	EXPLORE			729+80.41	64.6	RT		N/A	
003	EXPLORE			729+75.76	64.5	RT		N/A	
004	EXPLORE			729+75.71	61.2	RT		N/A	
005	EXPLORE			729+78.07	63.0	RT		N/A	
006	EXPLORE			730+74.26	79.7	LT		N/A	
007	EXPLORE			730+71.41	84.4	LT		N/A	
008	EXPLORE			730+75.42	85.1	LT		N/A	
009	EXPLORE			730+77.48	83.1	LT		N/A	
010	EXPLORE			730+74.62	82.6	LT		N/A	
011	EXPLORE			730+94.41	60.7	RT		N/A	
012	EXPLORE			730+90.83	60.2	RT		N/A	
013	EXPLORE			730+95.55	57.9	RT		N/A	
014	EXPLORE			730+97.17	61.7	RT		N/A	
015	EXPLORE			730+94.10	63.6	RT		N/A	
016	TRAFFIC SIGNAL	2"	PVC	730+91.72	61.4	RT	79.68'	77.93'	
017	EXPLORE			729+31.04	53.6	LT		N/A	
018	EXPLORE			729+27.42	56.6	LT		N/A	
019	EXPLORE			729+30.70	59.7	LT		N/A	
020	EXPLORE			729+34.00	56.9	LT		N/A	
021	EXPLORE			729+30.79	56.7	LT		N/A	
022	BURIED ELECTRIC	6"	PVC	733+46.78	67.1	LT	80.88'	76.32'	
023	MARION COUNTY, FORCE MAIN	8"	PVC	733+46.70	61.8	LT	80.43'	77.63'	
024	BURIED ELECTRIC	6"	PVC	732+65.06	67.9	LT	80.8'	76.53'	
025	MARION COUNTY, FORCE MAIN	8"	PVC	732+65.37	63.4	LT	80.95'	77.79'	
026	EXPLORE			731+79.06	68.9	LT		N/A	
027	MARION COUNTY, FORCE MAIN	8"	PVC	731+79.10	65.6	LT	80.62'	77.01'	
028	MARION COUNTY, FORCE MAIN	8"	PVC	731+44.20	65.5	LT	80.47'	77.32'	
029	EXPLORE			731+44.17	69.8	LT		N/A	
030	MARION COUNTY, FORCE MAIN	8"	PVC	731+39.38	60.5	LT	80.44'	77.66'	
031	CENTURYLINK, BURIED TELEPHONE	4"	PVC	729+75.73	74.5	LT	79.25'	77.00'	
032	TECO PEOPLE'S GAS, BURIED GAS	6"	HDPE	730+46.15	90.9	LT	79.91'	75.29'	
033	EXPLORE			41+29.50	43.2	LT		N/A	
034	EXPLORE			41+27.92	46.0	LT		N/A	
035	EXPLORE			729+29.43	60.3	LT		N/A	
036	EXPLORE			729+31.56	62.7	LT		N/A	
037	EXPLORE			729+28.81	65.2	LT		N/A	
038	EXPLORE			729+26.56	62.9	LT		N/A	
039	MARION COUNTY, FORCE MAIN	8"	PVC	728+82.47	40.3	LT	79.58'	75.53'	
040	EXPLORE			728+82.45	36.9	LT		N/A	
041	EXPLORE			729+39.09	43.5	RT		N/A	
042	EXPLORE			729+40.57	46.5	RT		N/A	
043	EXPLORE			730+05.99	85.1	RT		N/A	
044	EXPLORE			730+08.97	85.7	RT		N/A	
045	EXPLORE			730+78.99	65.2	RT		N/A	
046	EXPLORE			730+81.69	63.8	RT		N/A	
047	EXPLORE			731+31.46	32.9	RT		N/A	
048	EXPLORE			731+32.73	34.1	RT		N/A	
049	EXPLORE			41+29.49	37.4	RT		N/A	
050	EXPLORE			41+28.22	34.5	RT		N/A	
051	CENTURYLINK, BURIED TELEPHONE	1.5"	DB	38+49.68	35.0	RT	79.53'	76.86'	
052	CENTURYLINK, BURIED TELEPHONE	1"	DB	44+82.14	17.7	LT	82.99'	79.92'	
053	CENTURYLINK, BURIED TELEPHONE	2"	DB	44+82.45	20.2	LT	82.93'	79.98'	
054	CENTURYLINK, BURIED TELEPHONE	4"	PVC	730+07.12	92.5	LT	80.25'	76.51'	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF VERIFIED UTILITIES

SHEET NO. 47

SUMMARY OF VERIFIED UTILITIES

Vvh #	UTILITY DESCRIPTION (Owner, Type)	SIZE	MATERIALS	℄ SR 326 STATION	OFFSET	LT/RT	EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
055	EXPLORE			730+07.46	92.5	RT		N/A	
056	EXPLORE			730+10.22	91.5	RT		N/A	
057	EXPLORE			729+76.54	49.6	RT		N/A	
058	EXPLORE			729+79.81	52.7	RT		N/A	
059	EXPLORE			729+76.58	56.0	RT		N/A	
060	EXPLORE			729+73.06	52.3	RT		N/A	
061	EXPLORE			729+76.50	52.6	RT		N/A	
062	TRAFFIC SIGNAL	2"	PVC	729+75.03	50.9	RT	80.01'	78.02'	
063	TRAFFIC SIGNAL	2"	PVC	729+77.35	50.6	RT	79.95'	77.86'	
064	TRAFFIC SIGNAL	2"	PVC	729+77.69	55.3	RT	80.03'	78.03'	
065	BURIED ELECTRIC	6"	PVC	730+82.03	72.8	LT	80.06'	77.22'	
066	EXPLORE			731+31.07	67.1	LT		N/A	
067	EXPLORE			731+30.92	69.3	LT		N/A	
068	BURIED ELECTRIC	6"	PVC	731+30.93	69.3	LT	80.30'	74.76'	
069	EXPLORE			730+65.60	78.2	LT		N/A	
070	EXPLORE			730+67.29	76.8	LT		N/A	
071	EXPLORE			730+65.77	75.1	LT		N/A	
072	EXPLORE			730+64.13	76.7	LT		N/A	
073	BURIED ELECTRIC	6"	PVC	730+65.04	75.3	LT	80.27'	77.18'	
074	BURIED ELECTRIC	6"	PVC	730+62.71	80.4	LT	80.06'	77.22'	
075	EXPLORE			730+80.82	84.2	RT		N/A	
076	EXPLORE			730+77.83	84.2	RT		N/A	
077	EXPLORE			729+87.76	48.1	RT		N/A	
078	EXPLORE			729+89.55	49.7	RT		N/A	
079	EXPLORE			729+87.89	51.4	RT		N/A	
080	EXPLORE			729+86.17	49.7	RT		N/A	
081	CENTURYLINK, BURIED TELEPHONE	4"	PVC	729+74.97	78.3	LT	79.28'	76.69'	
082	CENTURYLINK, BURIED TELEPHONE	4"	DUCT	729+76.26	78.6	LT	79.30'	76.75'	
083	EXPLORE			729+42.64	52.0	LT		N/A	
084	EXPLORE			729+40.90	52.4	LT		N/A	
085	EXPLORE			729+41.50	55.2	LT		N/A	
086	EXPLORE			729+43.83	54.1	LT		N/A	
087	TRAFFIC SIGNAL	2"	PVC	729+43.04	55.0	LT	80.05'	77.39'	
088	EXPLORE			730+90.30	53.1	RT		N/A	
089	EXPLORE			730+91.61	56.0	RT		N/A	
090	EXPLORE			730+90.51	57.1	RT		N/A	
091	EXPLORE			730+78.58	57.5	RT		N/A	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

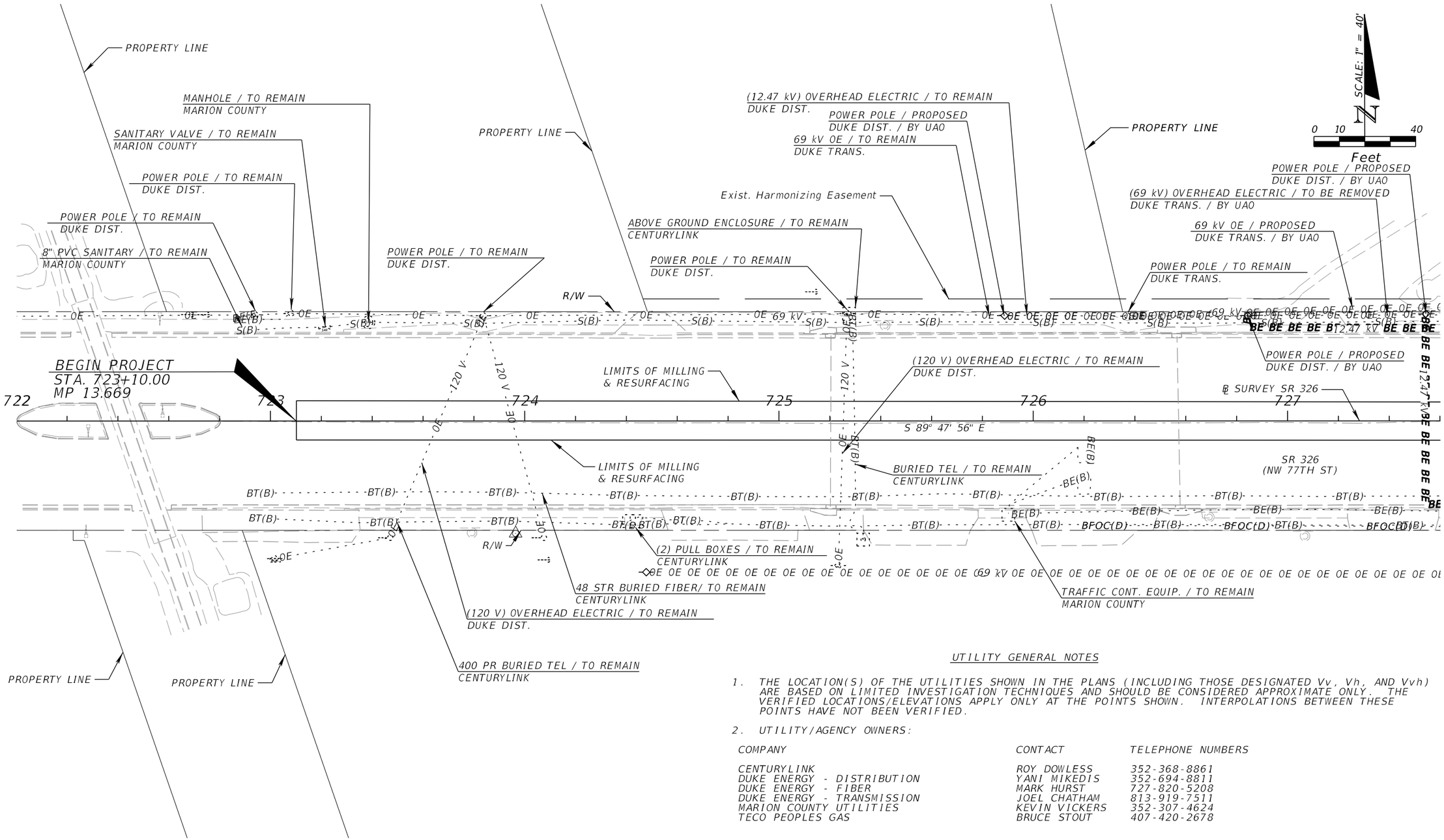
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF VERIFIED UTILITIES

SHEET NO. 48



UTILITY GENERAL NOTES

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

2. UTILITY/AGENCY OWNERS:

COMPANY	CONTACT	TELEPHONE NUMBERS
CENTURYLINK	ROY DOWLESS	352-368-8861
DUKE ENERGY - DISTRIBUTION	YANI MIKEDIS	352-694-8811
DUKE ENERGY - FIBER	MARK HURST	727-820-5208
DUKE ENERGY - TRANSMISSION	JOEL CHATHAM	813-919-7511
MARION COUNTY UTILITIES	KEVIN VICKERS	352-307-4624
TECO PEOPLES GAS	BRUCE STOUT	407-420-2678

REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

UTILITY ADJUSTMENT SHEETS (1)

SHEET NO. 49

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

(69 kV) OVERHEAD ELECTRIC / TO BE REMOVED
DUKE TRANS. / BY UAO

POWER POLE / TO REMAIN
DUKE DIST.

(12.47 kV) OVERHEAD ELECTRIC / TO REMAIN
DUKE DIST.

8" PVC SANITARY SEWER / TO REMAIN
MARION COUNTY

POWER POLE / TO REMAIN
DUKE DIST.

6" GAS HDPE / TO BE REMOVED
TECO PEOPLES GAS / BY UAO

POWER POLE / PROPOSED
DUKE DIST. / BY UAO

BURIED FIBER / PROPOSED
DUKE FIBER / BY UAO

(12.47 kV) OVERHEAD ELECTRIC / PROPOSED
DUKE DIST. / BY UAO

LIMITS OF MILLING
& RESURFACING

VVH #49
VVH #50

POWER POLE / TO BE REMOVED
DUKE DIST. / BY UAO

(5) 4" PVC BURIED TEL / TO BE ADJUSTED
CENTURYLINK / BY UAO

PULL BOX / PROPOSED
DUKE DIST. / BY UAO

TEMPORARY CONSTRUCTION EASEMENT

ABOVE GROUND ENCLOSURE / TO REMAIN
CENTURYLINK

TEMPORARY
CONSTRUCTION
EASEMENT

VVH #33

R/W

VVH #34

VVH #81
VVH #82

VVH #69
VVH #70
VVH #7
VVH #8
VVH #10
VVH #9
VVH #6

POWER POLE / TO BE REMOVED
DUKE TRANS. / BY UAO

(69 kV) OVERHEAD ELECTRIC / PROPOSED
DUKE TRANS. / BY UAO

8" PVC SANITARY SEWER / PROPOSED
MARION COUNTY / BY UAO

6" GAS HDPE / PROPOSED
TECO PEOPLES GAS / BY UAO
OH FIBER / TO BE REMOVED
DUKE FIBER / BY UAO

POWER POLE / PROPOSED
DUKE TRANS. / BY UAO

POWER POLE / TO BE REMOVED
DUKE DIST. / BY UAO

(12.47 kV) OVERHEAD ELECTRIC / TO BE REMOVED
DUKE DIST. / BY UAO
POWER POLE / PROPOSED
DUKE TRANS. / BY UAO
POWER POLE / PROPOSED
DUKE DIST. / BY UAO

VVH #36
VVH #37
VVH #38
VVH #35

VVH #31
VVH #32
VVH #74

VVH #24
VVH #26
VVH #27

VVH #39
VVH #18
VVH #19
VVH #21
VVH #17
VVH #20

VVH #87
VVH #86
VVH #83
VVH #85
VVH #84

VVH #65
VVH #67
VVH #68
VVH #66
VVH #29
VVH #28
VVH #30
VVH #25

8" PVC SANITARY SEWER / TO BE REMOVED
MARION COUNTY / BY UAO

(12.47 kV) BURIED ELECTRIC / PROPOSED
DUKE DIST. / BY UAO

LIMITS OF MILLING
& RESURFACING

LIMITS OF MILLING
& RESURFACING

Exist.
Harmonizing
Easement

SR 326
(NW 77TH ST)

℄ SURVEY SR 326

S 89° 47' 56" E

728 729 730 731 732 733

POT STA. 730+20.15
POT STA. 730+23.33

VVH #72
VVH #73
VVH #71

(12.47 kV) OVERHEAD ELECTRIC / TO BE REMOVED
DUKE DIST. / BY UAO

S 89° 49' 57" E

℄ SURVEY SR 326

SR 326
(NW 77TH ST)

LIMITS OF MILLING
& RESURFACING

6" GAS HDPE / TO BE REMOVED
TECO PEOPLES GAS / BY UAO

MANHOLE / TO REMAIN
MARION COUNTY

(12.47 kV) BURIED ELECTRIC / PROPOSED
DUKE DIST. / BY UAO

VVH #40

VVH #58
VVH #63
VVH #57
VVH #62
VVH #42
VVH #41

PI STA. 40+10.49
PI STA. 39+96.44

VVH #77
VVH #80
VVH #78
VVH #79
VVH #64

25 PR BURIED TEL / TO REMAIN
CENTURYLINK

48 STR BURIED FIBER / TO REMAIN
CENTURYLINK

(69 kV) OVERHEAD ELECTRIC / TO REMAIN
DUKE TRANS.

400 PR BURIED TEL / TO PROTECT/ADJUST
CENTURYLINK / BY UAO

VVH #89
VVH #90
VVH #91
VVH #45
VVH #46

VVH #88

LIMITS OF MILLING
& RESURFACING

100 PR BT, 24//48 STR BFO / TO REMAIN
CENTURYLINK

VVH #13
VVH #14
VVH #11
VVH #15
VVH #16
VVH #12

6" GAS / TO REMAIN
TECO PEOPLES GAS

POWER POLE / TO REMAIN
DUKE DIST.

(12.47 kV) BURIED ELECTRIC / PROPOSED
DUKE DIST. / BY UAO

R/W

(69 kV) OVERHEAD ELECTRIC / TO REMAIN
DUKE TRANS.

6" GAS HDPE / PROPOSED
TECO PEOPLES GAS / BY UAO

VVH #60
VVH #61
VVH #59
VVH #4
VVH #3
VVH #5
VVH #1
VVH #2

(120 V) OVERHEAD ELECTRIC / TO REMAIN
DUKE DIST.

MANHOLE / TO REMAIN
CENTURYLINK

TRAFFIC CONT. EQUIP. / TO REMAIN
MARION COUNTY

(120 V) OVERHEAD ELECTRIC / TO REMAIN
DUKE DIST.

VVH #43
VVH #54
VVH #55
VVH #44
VVH #56

CR 25A
(NW GAINESVILLE RD)
N 12° 53' 48" W

4" PVC BURIED TEL / TO REMAIN
CENTURYLINK

(12.47 kV) BURIED ELECTRIC / PROPOSED
DUKE DIST. / BY UAO

4" PVC BURIED TEL / TO REMAIN
CENTURYLINK

4" PVC BURIED TEL / TO REMAIN
CENTURYLINK

℄ SURVEY CR 25A

VVH #75
VVH #76
VVH #51

BEGIN PROJECT
STA. 39+35.24
CR 25A

CLEAR & GRUB, WIDENING LIMITS

CONST. DETECTABLE WARNING SURFACE

SCALE: 1" = 40'
0 10 40
Feet

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

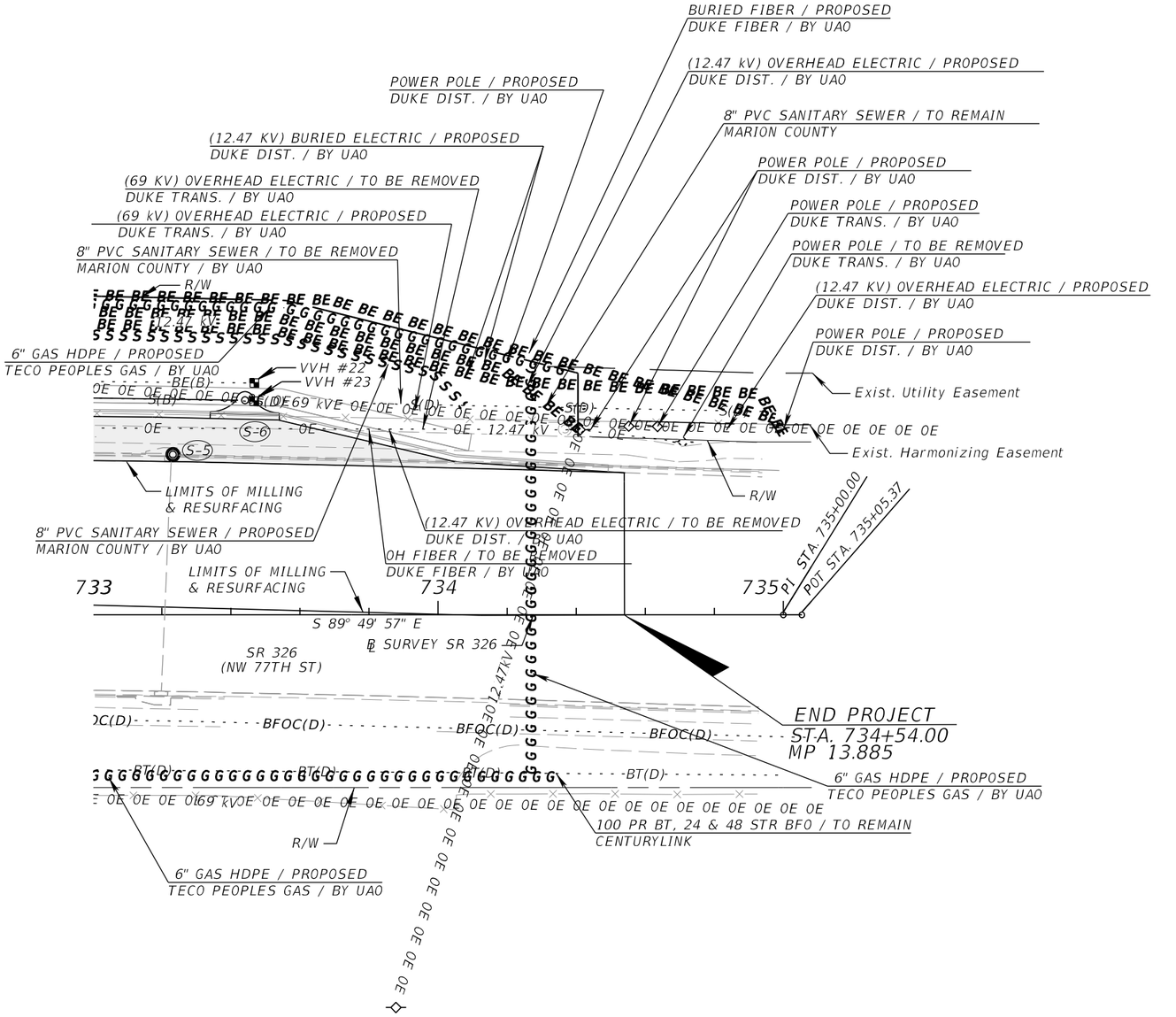
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

UTILITY ADJUSTMENT SHEETS (2)

SHEET NO. 50

jsmith 9/30/2019 11:03:03 AM P:\435660-2 SR 326\43566023201\roadway\utadrd01.dgn



CLEAR & GRUB, WIDENING LIMITS

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

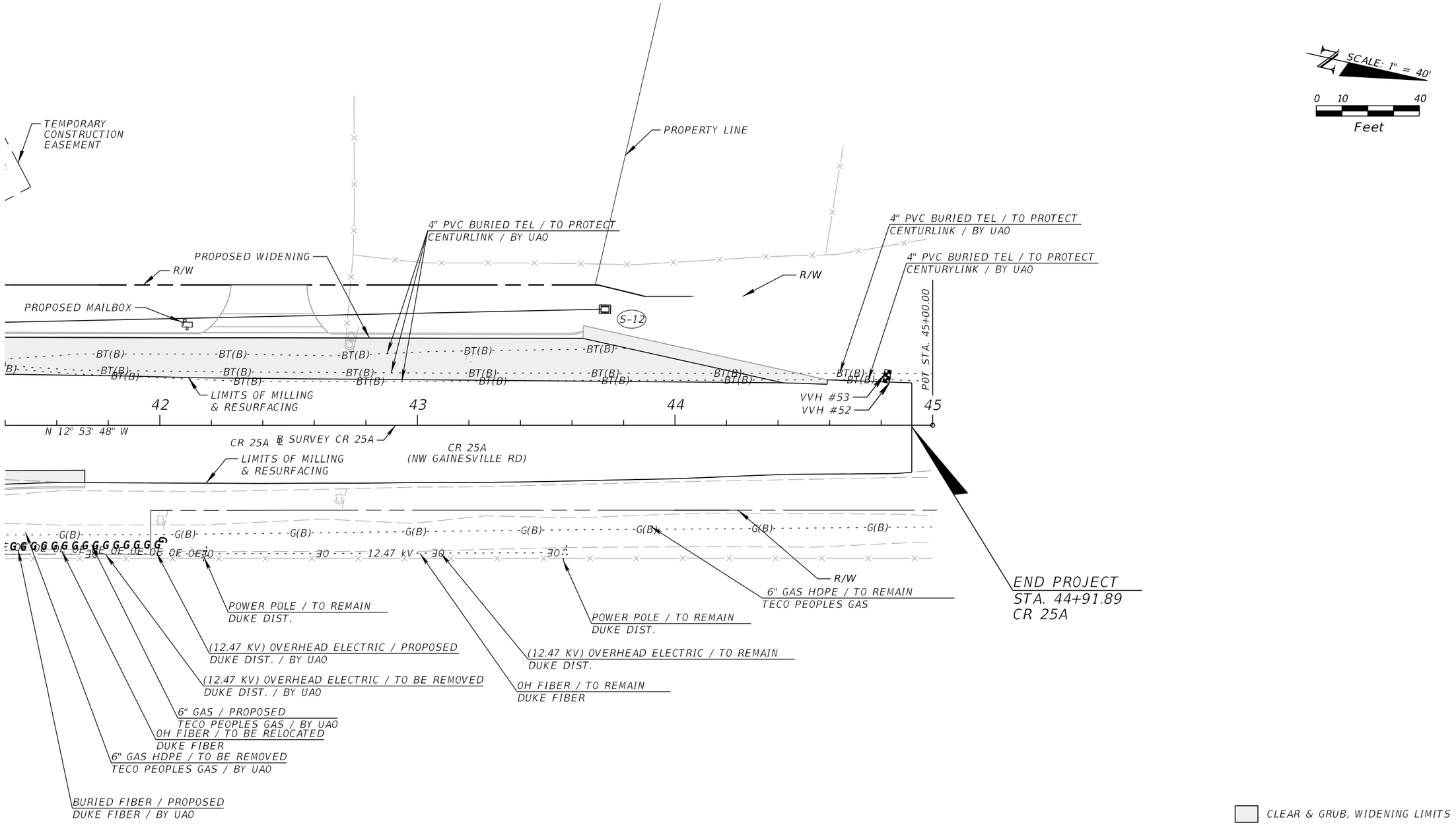
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

UTILITY ADJUSTMENT SHEETS (3)

SHEET NO. 51

jsmith 9/30/2019 11:03:04 AM P:\435660-2 SR 326\43566023201\roadway\utadrd01.dgn



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

UTILITY ADJUSTMENT SHEETS (4)

SHEET NO. 52

jsmith 9/30/2019 11:03:05 AM P:\435660-2 SR 326\43566023201\roadway\utadrd01.dgn

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY P	QUANTITY F	DESIGN NOTES	CONSTRUCTION REMARKS
101 1	MOBILIZATION	1	✓		25% Per spec.
					estimates 1-4

SUMMARY OF GENERAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY P	QUANTITY F	DESIGN NOTES	CONSTRUCTION REMARKS
639-8-16	ELECTRICAL POWER SERVICE (CIAC)	LS	1	✓	DO NOT BID	Utilized when switching service

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I DURATION DAYS	PHASE I QUANTITY P	PHASE I TOTAL P	PHASE II DURATION DAYS	PHASE II QUANTITY P	PHASE II TOTAL P	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
102 1	MAINTENANCE OF TRAFFIC	LS/DA										MOT SUMMARY
102 14	TRAFFIC CONTROL OFFICER	HR		16	16				16	✓		EDMS#1474008
102 60	WORK ZONE SIGN	ED	30	17	510	90	18	1620	2130	3087		
102 71 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF		444	444				444	436		Contractor began
102 71 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF					432	432	432	436		construction in
102 74 1	BARRICADE, TEMPORARY, TYPES I, II, DI, VP & DRUM	ED				90	3	270	270	3984	RFI 02- 102-74-1	Phase 2 before
102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	30	4	120	90	4	360	480	12	Clarification	Phase 1 due to
102 78	TEMPORARY RETRO REFLECTIVE PAVEMENT MARKERS	EA		134	134		51	51	186	159		Utility conflicts.
102 99	PORTABLE CHANGEABLE MESSAGE SIGN	ED	44	4	176	90	4	360	536	684	INCLUDES 14 DAYS PRIOR	
710-11-101	PAINTED PAVT MARK, STND, WHITE, SOLID, 6"	GM		0.262	0.262		0.212	0.212	0.474	0.405		STRIPING SUMMARY
710-11-123	PAINTED PAVT MARK, STND, WHITE, SOLID, 12"	LF		109	109		381	381	490	102		(PAINTING)
710-11-125	PAINTED PAVT MARK, STND, WHITE, SOLID, 24"	LF		28	28		79	79	107	43		EDMS#1474010
710-11-141	PAINTED PAVT MARK, STND, WHITE, GUIDELINE, 6"	GM					0.033	0.033	0.033	✓		Sta. 40+55 to
710-11-160	PAINTED PAVT MARK, STND, WHITE, MESSAGE	EA										44+92 (Phase 2)
710-11-170	PAINTED PAVT MARK, STND, WHITE, ARROW	EA					4	4	4	6		
710-11-201	PAINTED PAVT MARK, STND, YELLOW, SOLID, 6"	GM		0.159	0.159		0.170	0.170	0.329	0.099		
710-11-224	PAINTED PAVT MARK, STND, YELLOW, SOLID, DIAGONAL, 18"	LF					30	30	30	0		

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE III DURATION DAYS	PHASE III QUANTITY P	PHASE III TOTAL P	PHASE IV DURATION DAYS	PHASE IV QUANTITY P	PHASE IV TOTAL P	TOTAL P	TOTAL F	GRAND TOTAL P	GRAND TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
102 1	MAINTENANCE OF TRAFFIC	LS/DA							1	✓	1	✓	190 DAYS	MOT SUMMARY
102 14	TRAFFIC CONTROL OFFICER	HR					40	40	40	23	56	39		EDMS#1474008
102 60	WORK ZONE SIGN	ED	30	18	540	40	11	440	980	2900	3110	5987		
102 71 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF									444	436		
102 71 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF									432	436		
102 74 1	BARRICADE, TEMPORARY, TYPES I, II, DI, VP & DRUM	ED	30	26	780	40	41	1640	2420	6488	2690	10472		
102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	30	4	120	40	4	160	280	8	760	20		
102 78	TEMPORARY RETRO REFLECTIVE PAVEMENT MARKERS	EA		53	53				53	0	239	159		
102 99	PORTABLE CHANGEABLE MESSAGE SIGN	ED	30	4	120	40	4	160	280	616	816	1300	INCLUDES 14 DAYS PRIOR	
710-11-101	PAINTED PAVT MARK, STND, WHITE, SOLID, 6"	GM		0.173	0.173				0.173	0	0.647	0.405		STRIPING SUMMARY
710-11-123	PAINTED PAVT MARK, STND, WHITE, SOLID, 12"	LF		196	196				196	0	686	102		(PAINTING)
710-11-125	PAINTED PAVT MARK, STND, WHITE, SOLID, 24"	LF		14	14				14	0	121	43		EDMS#1474010
710-11-141	PAINTED PAVT MARK, STND, WHITE, GUIDELINE, 6"	GM		0.027	0.027				0.027	0	0.060	0.033		
710-11-160	PAINTED PAVT MARK, STND, WHITE, MESSAGE	EA		1	1				1	0	1	0		
710-11-170	PAINTED PAVT MARK, STND, WHITE, ARROW	EA		4	4				4	0	8	6		
710-11-201	PAINTED PAVT MARK, STND, YELLOW, SOLID, 6"	GM									0.329	0.099		
710-11-224	PAINTED PAVT MARK, STND, YELLOW, SOLID, DIAGONAL, 18"	LF									30	0		

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

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Tampa, FL 33619
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Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-1

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

SUMMARY OF PEDESTRIAN SPECIAL DETOURS

TTC PHASE	LOCATION STA. TO STA.	SIDE	AREA ID	UNITS	PEDESTRIAN SPECIAL DETOUR 0102 4 P	PEDESTRIAN SPECIAL DETOUR 0102 4 F	SECONDARY UNITS AREA (SY)	DESIGN NOTES	CONSTRUCTION REMARKS
PHASE I	729+63.29 TO 729+74.18	LT	66508	LS	1.0	✓	10.0	284 SY	Sta. 730+36 to
PHASE I	730+17.84 TO 734+35.49	LT	40387				243.4		Sta.734+35
PHASE III	729+05.12 TO 729+50.85	LT	49168				30.8		

SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION

PHASE	DURATION	0102104 TEMPORARY SIGNALS & MAINTENANCE OF INTERSECTION - EACH DAY						0102107 1 TEMPORARY TRAFFIC DETECTION & MAINTENANCE OF INTERSECTION - EACH DAY						DESIGN NOTES	CONSTRUCTION REMARKS
		EXISTING			TEMPORARY			EXISTING			TEMPORARY/NEW				
	DAYS	#	P	F	#	P	F	#	P	F	#	P	F		
PHASE I	30	1	30	✓				1	30	0					Contractor
PHASE II	90	1	90	✓				1	90	0					worked out of
PHASE III	30	1	30	✓				1	30	0					phase
PHASE IV	40	1	40	52				1	40	0					
SUB-TOTAL:			190	202					190	0				MOT SUMMARY EDMS#1474008	
TOTAL:						190	202	TOTAL:				190	0		

SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELING DEVICES

CONST. PHASE	LOCATION STA. TO STA.			SIDE	QUANTITY 0102 74 7 LF P	QUANTITY 0102 74 7 LF F	DESIGN NOTES	CONSTRUCTION REMARKS
I	730+20.15	to	730+40.34	LT	20	12	SIDEWALK CLOSURE	Phase II
	734+26.70	to	734.26.70	LT	5	6	SIDEWALK CLOSURE	Sidewalk
II	729+37.38	to	729+43.12	LT	10	24	SIDEWALK CLOSURE	Closures
	730+66.72	to	730+67.76	LT	10	12	SIDEWALK CLOSURE	Installed
III	729+16.39	to	729+15.95	LT	5	0	SIDEWALK CLOSURE	before Phase I
	729+38.14	to	729+44.67	LT	5	0	SIDEWALK CLOSURE	
SUB-TOTAL:					55	54	MOT SUMMARY EDMS#1474008	
TOTAL:					55	54		

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA. TO STA.	SIDE	SEDIMENT BARRIER 0104 10 3 LF P	SEDIMENT BARRIER 0104 10 3 LF F	INLET PROTECTION SYSTEM 0104 18 EA P	INLET PROTECTION SYSTEM 0104 18 EA F	DESIGN NOTES	CONSTRUCTION REMARKS
41+06.92 to 44+99.89	RT	411.5	412				FIELD MEASUREMENT
43+69.94 to 43+75.49	LT	21.9	20				BACK-UP(EROSION
39+03.91 to 39+17.63	RT			1	0		CONTROL)EDMS#1474377
39+20.83 to 39+34.99	LT			1	0		
40+74.61 to 40+89.52	RT			1	✓		
40+77.34 to 40+89.29	RT			1	0		
40+85.95 to 41+00.82	LT			1	✓		
41+22.57 to 41+35.74	LT			1	0		
731+68.91 to 731+82.07	LT			1	0		
731+90.37 to 732+03.54	LT			1	✓		
732+54.60 to 732+67.76	LT			1	0		
733+13.00 to 733+26.16	LT			1	0		
733+33.68 to 733+53.94	LT			1	✓		
SUB-TOTAL:		433.4	432	11	4		
TOTAL:		433	432	11	4		

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

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Tampa, FL 33619
Phone No. (813) 621-3250
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P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-2

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

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1 AREA ID	CYCLES	AREA AC/CYCLE	TOTAL P	TOTAL F	MOWING 0107 2 AREA ID	CYCLES	AREA AC/CYCLE	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
ALL	723+10.16 to 729+48.61	LT	190	30	33333	7	0.154	1.08	0.77						1 Litter Removal	FIELD MEASUREMENT
ALL	723+10.17 to 729+81.28	RT	190	30	33330	7	0.187	1.31	0.935						cycle = 1.597 AC	BACK-UP(LITTER &
ALL	730+40.79 to 734+53.88	LT	190	30	33344	7	0.437	3.06	2.185							MOWING)EDMS#1474377
ALL	731+04.95 to 734+54.14	RT	190	30	33339	7	0.219	1.53	1.095							
ALL	39+24.22 to 39+50.50	RT	190	30	33336	7	0.015	0.11	0.075							
ALL	39+50.70 to 39+79.27	LT	190	30	33327	7	0.011	0.08	0.055							
ALL	40+58.55 to 44+91.89	RT	190	30	33349	7	0.282	1.97	1.41							
ALL	40+70.57 to 44+91.92	LT	190	30	33354	7	0.292	2.04	1.46							
ALL	723+28.74 to 724+38.56	LT	190	30						34402	7	0.006	0.04	0.03	1 Mowing cycle =	
ALL	723+34.76 to 724+54.76	RT	190	30						34259	7	0.009	0.06	0.045	1.141 AC	
ALL	724+60.90 to 725+12.15	LT	190	30						34401	7	0.003	0.02	0.015		
ALL	725+22.49 to 726+48.95	LT	190	30						34400	7	0.008	0.06	0.04		
ALL	725+78.32 to 725+97.08	RT	190	30						34260	7	0.001	0.01	0.005		
ALL	726+63.91 to 727+02.52	LT	190	30						34399	7	0.002	0.01	0.01		
ALL	726+66.12 to 727+23.66	RT	190	30						34261	7	0.004	0.03	0.02		
ALL	727+22.93 to 727+88.45	LT	190	30						34398	7	0.005	0.04	0.025		
ALL	727+59.45 to 728+85.25	RT	190	30						34262	7	0.008	0.06	0.04		
ALL	728+04.67 to 728+29.98	LT	190	30						34396	7	0.001	0.01	0.005		
ALL	728+64.85 to 729+25.95	LT	190	30						34393	7	0.004	0.03	0.02		
ALL	728+74.01 to 729+77.64	RT	190	30						34281	7	0.029	0.20	0.145		
ALL	729+09.78 to 729+40.54	LT	190	30						34390	7	0.005	0.04	0.025		
ALL	730+43.65 to 734+40.52	LT	190	30						34338	7	0.343	2.40	1.715		
ALL	731+01.14 to 734+53.87	LT	190	30						34322	7	0.023	0.16	0.115		
ALL	731+10.24 to 734+54.14	RT	190	30						34315	7	0.141	0.99	0.705		
ALL	731+28.08 to 733+38.12	RT	190	30						34317	7	0.013	0.09	0.065		
ALL	734+08.37 to 734+54.09	RT	190	30						34316	7	0.003	0.02	0.015		
ALL	39+24.22 to 39+40.69	RT	190	30						34311	7	0.006	0.04	0.03		
ALL	39+53.93 to 39+70.48	LT	190	30						34286	7	0.004	0.03	0.02		
ALL	40+69.76 to 44+91.89	RT	190	30						34361	7	0.271	1.90	1.355		
ALL	40+79.21 to 44+91.92	LT	190	30						34373	7	0.252	1.76	1.26		
							SUB-TOTAL:	11.179	7.985			SUB-TOTAL:	7.987	5.705		
							TOTAL:	11.18	7.99			TOTAL:	7.99	5.71		

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-3

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM) AREA (AC)	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
110 1 1	CLEARING & GRUBBING				LS				1	✓	0.80 TOTAL AC	
		728+73.50 to 729+48.684	LT	39550		0.03		✓				
		729+49.32 to 729+99.78	RT	54180		0.01		✓				
		730+40.78 to 734+53.99	LT	39562		0.39		✓				
		730+79.34 to 731+01.62	RT	54188		0.01		✓				
		40+70.50 to 44+59.11	LT	39540		0.29		✓				
		40+58.55 to 41+74.96	RT	39557		0.05		✓				
		41+74.94 to 44+92.11	RT	54104		0.02		✓				
0110 4 10	REMOVAL OF EXISTING CONCRETE	729+19.90 to 729+48.61	LT	43239	SY		25.9	0	570	537	SIDEWALK/CURB	FIELD MEASUREMENT
		730+40.79 to 734+09.65	LT	43356			232.7	231.32			SIDEWALK/CURB	BACK-UP(CONCRETE
		731+01.14 to 734+52.70	LT	43380			79.0	78.22			CURB	REMOVAL)EDMS#1474377
		40+58.55 to 40+92.18	RT	44742			24.4	24.42			SIDEWALK/CURB	
		40+70.57 to 41+26.00	LT	44654			49.9	43.54			SIDEWALK/CURB	
		40+80.39 to 40+82.70	RT	44508			0.3	3.33			SIDEWALK	
		40+84.00 to 41+18.70	RT	44715			7.5	0			CURB	
		40+85.52 to 41+20.05	RT	44734			14.8	14.66			SIDEWALK	
		40+92.96 to 40+96.95	LT	44652			0.5	✓			SIDEWALK	
		41+01.84 to 42+97.63	LT	43286			44.3	43.33			CURB	
		41+08.01 to 41+25.71	LT	44712			4.5	11.67			SIDEWALK	
		42+16.70 to 42+65.45	LT	43331			86.3	✓			DRIVEWAY	

SUMMARY OF MAILBOXES

STATION	SIDE	QUANTITY (EA) 0110 7 1 P	QUANTITY (EA) 0110 7 1 F	DESIGN NOTES	CONSTRUCTION REMARKS
42+10.62	LT	1	✓		FIELD MEASUREMENT
					BACK-UP(MISC.)
SUB-TOTAL:		1	✓		EDMS#1474377
TOTAL:		1	✓		

REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-4

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SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY P	CY F	DESIGN NOTES	CONSTRUCTION REMARKS
120 1	REGULAR EXCAVATION			ROADWAY WIDENING	
	SR 326	620.7	✓		
	CR 25A	545.4	✓		
	TOTAL REGULAR EXCAVATION	1166.1	✓		
120 4	SUBSOIL EXCAVATION			REMOVAL OF PLASTIC MATERIAL	
	SR 326	491.6	490.91		FINAL MEASUREMENT
	CR 25A	735.8	736.19		(SUBSOIL)
	TOTAL SUBSOIL EXCAVATION	1227.3	1227.1		EDMS#1474265
120 6	EMBANKMENT				
	SR 326	626.2	✓		
	CR 25A	853.2	✓		
	TOTAL EMBANKMENT	1479.4	✓		

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	LOCATION DESCRIPTION	SIDE	AREA ID	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0160 4	TYPE B STABILIZATION	40+68.83 to 44+41.91	CR 25A WIDENING	LT	58030	SY	569.9	✓	1219	✓		Limerock ILO
		41+14.89 to 41+14.89	CR 25A WIDENING	RT	37957		85.8	✓				Stabilized Subgrade
		43+64.35 to 44+59.11	CR 25A WIDENING	LT	39010		49.6	✓				
		43+64.39 to 44+59.20	CR 25A UNPAVED SHLDR	LT	49431		32.4	✓				
		730+40.79 to 734+53.88	SR 326 WIDENING	LT	34903		481.1	✓				
285709	OPTIONAL BASE, BASE GROUP 09	40+58.55 to 41+70.92	CR 25A WIDENING	RT	37948	SY	85.8	✓	1186	✓		
		40+68.83 to 44+41.91	CR 25A WIDENING	LT	58043		569.9	✓				10" Limerock
		43+64.36 to 44+59.11	CR 25A WIDENING	LT	55939		49.6	✓				
		730+40.79 to 734+53.88	SR 326 WIDENING	LT	34960		481.1	✓				
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	39+35.24 to 40+70.49	INT. MILLING	LT/RT	51495	SY	1201.5	✓	6474	✓		
		40+58.55 to 44+91.90	CR 25A MILLING	LT/RT	51819		1966.9	✓				
		723+10.17 to 729+88.57	SR 326 W MILLING	LT/RT	50191		1433.7	✓				
		730+37.68 to 734+54.00	SR 326 E MILLING	LT/RT	35762		1871.5	✓				
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	40+68.83 to 44+41.91	CR 25A WIDENING	LT	57431	TN	125.37	121.9	136.3	133.2	220 LB/SY, 2 LIFTS	ASPHALT LOT 01
		43+64.36 to 44+59.11	CR 25A WIDENING	LT	55946		10.91	11.3			220 LB/SY, 2 LIFTS	SUBMITTAL PACKAGE
0334 1 14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	40+58.55 to 41+70.92	CR 25A WIDENING	RT	37970	TN	14.15	14.3	93.5	84.5	165 LB/SY, 2 LIFTS	EDMS#1473932
		730+40.79 to 734+53.88	SR 326 WIDENING	LT	35895		79.38	70.2			165 LB/SY, 2 LIFTS	
0337 7 83	ASPHALT CONCRETE FRICTION COURSE	40+58.55 to 41+70.92	CR 25A WIDENING	RT	57533	TN	7.08	6.3	218.4	205.6	165 LB/SY, 1 LIFT	ASPHALT LOT 02
	TRAFFIC C, FC-12.5, PG 76-22	40+58.55 to 44+91.90	CR 25A WIDENING	LT/RT	57867		160.22	152.1			165 LB/SY, 1 LIFT	SUBMITTAL PACKAGE
		40+68.83 to 44+41.91	CR 25A WIDENING	LT	57826		47.02	43.2			165 LB/SY, 1 LIFT	EDMS#1474527
		43+64.36 to 44+59.11	CR 25A WIDENING	LT	39030		4.09	4.0			165 LB/SY, 1 LIFT	
0337 7 85	ASPHALT CONCRETE FRICTION COURSE	39+35.24 to 40+70.44	SR 326 INT RESURF.	LT/RT	57979	TN	99.15	91.1	412.1	387.9	165 LB/SY, 1 LIFT	BITUMINOUS CERT.
	TRAFFIC D, FC-12.5, PG 76-22	723+10.17 to 729+88.57	SR 326 W RESURFACING	LT/RT	57970		118.84	110.5			165 LB/SY, 1 LIFT	SUMMARY EDMS#1474006
		730+37.68 to 734+54.00	SR 326 E RESURF/WIDEN	LT/RT	36191		194.09	186.3			165 LB/SY, 1 LIFT	OTHER ADJUSTMENT
												SUMMARY EDMS#1474036

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-5

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

SUMMARY OF UTILITY ADJUSTMENTS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STATION	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0425 5	MANHOLE, ADJUST	730+48.81	LT	EA	1	✓	1	✓		FIELD MEASUREMENT BACK-UP (DRAINAGE)EDMS#1474377

SUMMARY OF UNDERDRAIN

LOCATION STA. TO STA.	SIDE	UNDERDRAIN TYPE 0440 1 10 I (LF) P	UNDERDRAIN TYPE 0440 1 10 I (LF) F	OUTLET PIPE 0440 73 2 6" (LF) P	OUTLET PIPE 0440 73 2 6" (LF) F	DESIGN NOTES	CONSTRUCTION REMARKS
731+81.33 to 731+89.33	LT			8.0	✓	RDI 07 - COARSE AGGREGATE FOR BACKFILL	FIELD MEASUREMENT BACK-UP(DRAINAGE) EDMS#1474377
731+89.33 to 732+55.05	LT	65.7	✓				
732+55.05 to 732+63.05	LT			8.0	✓		
SUB-TOTAL:		65.7	✓	16.0	✓		
TOTAL:		66	✓	16	✓		

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY GROSS LENGTH	QUANTITY DEDUCTIONS TYPE	QUANTITY DEDUCTIONS LENGTH	QUANTITY NET LENGTH P	QUANTITY NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	40+70.34 to 40+75.87	LT	LF	26.4			26.4	✓	839	✓		
		40+72.39 to 41+70.89	RT		100.9			100.9	✓				
		40+75.87 to 42+15.92	LT		150.5			150.5	✓				
		42+15.92 to 43+64.36	LT		148.5			148.5	✓				
		730+44.32 to 734+49.34	LT		412.3			412.3	✓				

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	CONC SIDEWALK 4" 0522 1 SY P	CONC SIDEWALK 4" 0522 1 SY F	CONC SIDEWALK 6" 0522 2 SY P	CONC SIDEWALK 6" 0522 2 SY F	DETECTABLE WARNINGS 0527 2 SF P	DETECTABLE WARNINGS 0527 2 SF F	DESIGN NOTES	CONSTRUCTION REMARKS
731+14.49 to 734+09.65	LT	37977	164.6	✓						
729+22.26 to 729+43.24	LT	38820			17.4	✓				
729+35.56 to 729+58.25	LT	38830			42.6	✓				
730+32.75 to 730+46.36	LT	38843			10.1	✓				
730+44.46 to 731+14.52	LT	38848			60.5	✓				
729+33.00 to 729+37.31	LT	55917					8.0	✓		
729+48.30 to 729+53.37	LT	55922					8.0	✓		
730+48.12 to 730+54.21	LT	55928					8.3	✓		
730+74.91 to 730+79.20	LT	55933					7.9	✓		
SUB-TOTAL:			164.6	✓	130.6	✓	32.2	✓		
TOTAL:			165	✓	131	✓	32	✓		

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-6

SUMMARY OF PERMANENT DRIVEWAYS

LOCATION STA. @ ℄ OF DRIVEWAY	SIDE	AREA ID	MATERIAL CONCRETE (SY) 0522 2		DESIGN NOTES	CONSTRUCTION REMARKS
			P	F		
42+42.46	LT	40514	72.8	✓		
SUB-TOTAL:			72.8	✓		
TOTAL:			73	✓		

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	PERFORMANCE TURF 0570 1 1 SY		PERFORMANCE TURF (SOD) 0570 1 2 SY		PERFORMANCE TURF (SOD & SOIL) 0570 1 3 SY		DESIGN NOTES	CONSTRUCTION REMARKS
			P	F	P	F	P	F		
40+85.86 to 41+74.94	RT	41934	114.5	✓						
40+88.76 to 42+27.75	LT	41913	225.1	✓						
42+57.16 to 44+59.11	LT	40353	356.2	✓						
728+73.50 to 729+31.63	LT	41910	78.6	✓						
730+47.77 to 734+35.52	LT	41937	783.4	✓						
729+20.43 to 729+35.19	LT	42197			8.3	✓				
729+23.93 to 729+29.49	LT	42247			1.1	✓				
729+31.63 to 729+53.25	LT	42198			31.6	✓				
729+40.34 to 729+43.27	LT	42252			0.2	✓				
729+41.73 to 729+46.08	LT	42258			1.0	✓				
729+53.02 to 729+60.25	LT	42264			10.1	✓				
730+31.08 to 730+44.99	LT	42271			4.6	✓				
730+36.94 to 730+47.77	LT	42217			7.7	✓				
730+44.68 to 730+47.50	LT	42278			0.2	✓				
730+46.36 to 734+10.80	LT	42219			209.2	✓				
730+57.13 to 730+71.31	LT	42282			3.2	✓				
730+83.14 to 734+53.87	LT	42308			83.7	✓				
41+70.88 to 44+92.11	RT	54034					95.4	✓		
43+61.71 to 44+59.69	LT	54029					30.5	✓		
SUB-TOTAL:			1557.8	✓	360.9	✓	125.9	✓		
TOTAL:			1558	✓	361	✓	126	✓		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-7

DATE OF SURVEY: SEPTEMBER 2016
SURVEY MADE BY: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
SUBMITTED BY: CHRISTOPHER P. MEYER, P.E.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DISTRICT: 5
ROAD NO.: SR 326
COUNTY: MARION

FINANCIAL PROJECT ID: 435660-2-52-01
PROJECT NAME: SR 326 AT CR 25A INTERSECTION WIDENING

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : 729+27 SURVEY ENDS STA. : 733+00

STATIONS REFERENCE: CENTERLINE OF CONSTRUCTION FOR SR 326

	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	0	-	0	-	0	-	-	-	-	-	0	-	-	A-3	LIGHT BROWN FINE SAND WITH SILT	0	-	-	-	-
2	0	-	0	-	1	100	89	61	29	11	0	-	-	A-2-4	LIGHT BROWN TO BROWN FINE SAND WITH SILT TO SILTY FINE SAND WITH OCCASIONAL TRACE LIMESTONE	1	28,000	60	43.5	9.0
3	0	-	0	-	1	92	81	66	51	42	0	-	-	A-4	GRAY SILTY FINE SAND	0	-	-	-	-
4	0	-	0	-	1	100	86	65	42	30	0	-	-	A-2-6	LIGHT BROWN CLAYEY FINE SAND, OCCASIONAL ABUNDANT LIMESTONE	1	4,650	45	<5	9.6
5	0	-	0	-	0	-	-	-	-	-	0	-	-	-	LIMESTONE	0	-	-	-	-

NOTES

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY STRATUM CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE SECTION 120-3.
2. GROUNDWATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". ESTIMATED SEASONAL HIGH GROUNDWATER TABLE TO BE SHOWN AS ▽ .
3. REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX 500 UNLESS OTHERWISE SHOWN ON THE PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS.
4. SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AND STORMWATER PIPE AREAS.
5. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
6. STRATA 1 AND 2 SHALL BE TREATED AS SELECT (S) MATERIAL.
7. STRATA 3 AND 4 SHALL BE TREATED AS PLASTIC (P) MATERIAL.
8. STRATA 2, 3 AND 4 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
9. STRATA 3 AND 4 MAY BE DIFFICULT TO EXCAVATE AND/OR PENETRATE AND MAY REQUIRE SPECIAL EQUIPMENT AND/OR PROCEDURES TO FACILITATE EXCAVATION AND/OR PENETRATION.
10. LIMESTONE BOULDERS (INCLUDING LARGE BOULDERS), ROCKS OR OTHER HARD MATERIALS OF VARIOUS SHAPES AND SIZES SHALL BE ANTICIPATED TO BE ENCOUNTERED SPORADICALLY THROUGHOUT THE SITE. THE CONTRACTOR SHOULD ANTICIPATE THE NEED FOR SPECIAL EQUIPMENT AND/OR PROCEDURES TO FACILITATE EXCAVATIONS, DEWATERING, PENETRATION AND DISPOSAL OFFSITE.
11. BASED ON THE NATURAL RESOURCES CONSERVATION SERVICE MAPS, THE SOILS IN THE VICINITY OF THE PROJECT ALIGNMENT INCLUDE OCCASIONAL ROCK OUTCROPS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS IN ACCORDANCE WITH SECTION 2-4.

CHRISTOPHER P. MEYER LICENSE No 49328 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:
Christopher P Meyer
2019.08.21 09:52:51 -04'00'
ON THE DATE ADJACENT TO THE SEAL

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

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FL 32814
CERTIFICATE OF AUTHORIZATION 00005882
CHRISTOPHER P. MEYER, P.E. NO. 49328

FIGURE 2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER P. MEYER, P.E.
P.E. LICENSE NUMBER 49328
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FL 32814
CERTIFICATE OF AUTHORIZATION 00005882

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

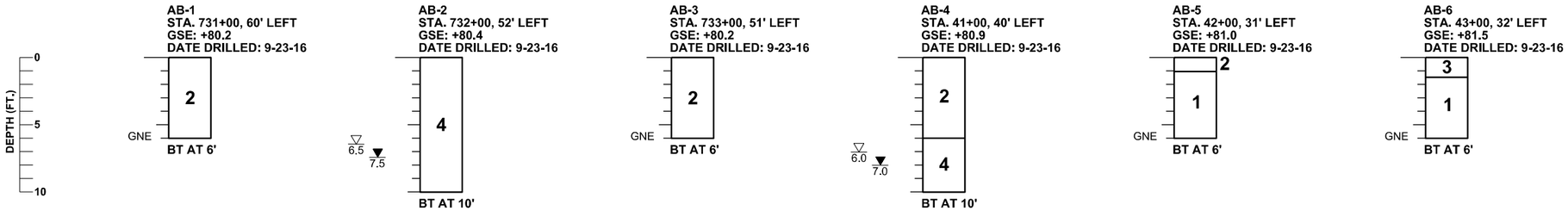
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ROADWAY SOIL SURVEY

SHEET NO. GR-1

jbloom 7/16/2019 11:18:19 AM P:\435660-2 SR 326\43566023201\roadway\rdssgeo01.dgn

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LEGEND

GSE GROUND SURFACE ELEVATION (FT. NAVD88)

$\frac{\nabla}{6.0}$ ESTIMATED SEASONAL HIGH GROUNDWATER DEPTH (FT.)

$\frac{\blacktriangledown}{7.0}$ ENCOUNTERED GROUNDWATER DEPTH (FT.) 24 HRS. AFTER DATE DRILLED

GNE GROUNDWATER NOT ENCOUNTERED DURING DRILLING OF BORING

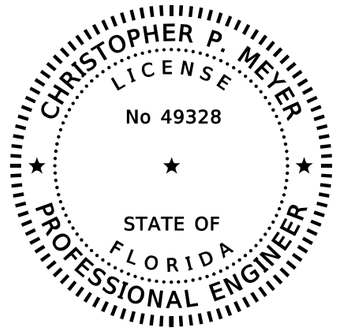
BT BORING TERMINATED AT DEPTH INDICATED

NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT EACH BORING LOCATION. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. AASHTO SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING ON THE ROADWAY SOIL SURVEY SHEET.

BORING LOCATIONS WERE ESTABLISHED IN THE FIELD BY MEASURING DISTANCES FROM EXISTING SITE FEATURES AND LATER SURVEYED FOR HORIZONTAL AND VERTICAL CONTROL PROVIDED BY OMNI.

STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN FINE SAND WITH SILT
2	A-2-4	LIGHT BROWN TO BROWN FINE SAND WITH SILT TO SILTY FINE SAND WITH OCCASIONAL TRACE LIMESTONE
3	A-4	GRAY SILTY FINE SAND
4	A-2-6	LIGHT BROWN CLAYEY FINE SAND, OCCASIONAL ABUNDANT LIMESTONE
5	-	LIMESTONE



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Christopher P Meyer
2019.08.21 09:53:14 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FL 32814
CERTIFICATE OF AUTHORIZATION 00005882
CHRISTOPHER P. MEYER, P.E. NO. 49328

FIGURE 4

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER P. MEYER, P.E.
P.E. LICENSE NUMBER 49328
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FL 32814
CERTIFICATE OF AUTHORIZATION 00005882

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

AUGER BORING RESULTS

SHEET NO. GR-2

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INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	TABULATION OF QUANTITIES
S-3 - S-6	SIGNING AND PAVEMENT MARKING PLANS
S-7	GUIDE SIGN WORKSHEET

TOTAL PAGES : 8

SEE SHEET S-1A FINAL "AS-BUILT" SIGNATURE SHEET - FOR CHANGES

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

FINAL AS-BUILT PLANS

~~CONTRACT PLANS~~

FINANCIAL PROJECT ID 435660-2-52-01

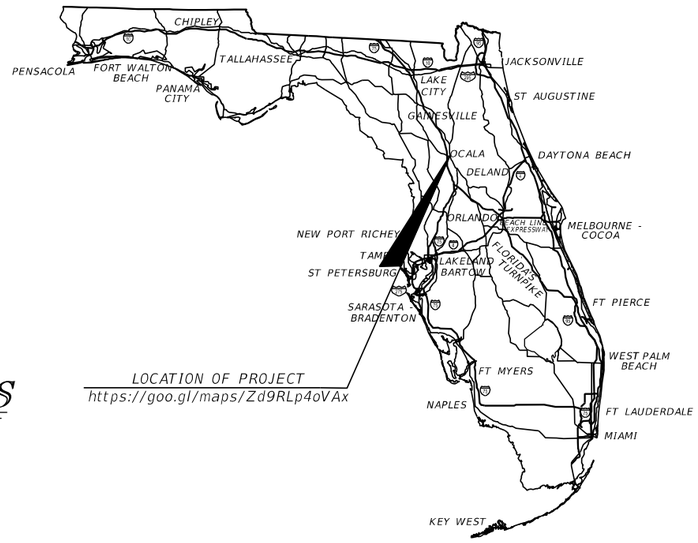
(FEDERAL FUNDS)

MARION COUNTY (36180)

STATE ROAD NO.326 (NW. 77TH ST.)

SR 326 (NW. 77TH ST.) AT CR 25A INTERSECTION WIDENING

SIGNING AND PAVEMENT MARKING PLANS



ROBERT W. NEIL, P.E. LICENSE No 43370 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED & SEALED BY

Robert W Neil
2019.08.23 15:39:29 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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Name of Prime Contractor: Heavy Civil Inc.
Name of Prime Consultant: AE Engineering
District Secretary: Jared Perdue, P.E.
Project Administrator: Brian Qualls
Resident Engineer: Christopher Nolen, P.E.
Project Manager: Denise Larkin
Work Started: March 12, 2020
Work Final Accepted: January 20, 2021

SIGNING AND PAVEMENT MARKING PLANS ENGINEER OF RECORD:

ROBERT NEIL, P.E.
P.E. NO.: 43370
SRD, INC.
3812 COCONUT PALM DR., STE. 100
TAMPA, FL 33619
CONTRACT NO.: C-9K73
VENDOR NO.: 65-1080679
CERTIFICATE OF AUTHORIZATION NO.: 00008828

FDOT PROJECT MANAGER:

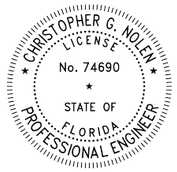
ELIODE JOSEPH, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5674	20	S-1

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

Christopher G Nolen

Digitally signed by Christopher G Nolen
Date: 2021.02.18 15:57:51 -05'00'



STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 74690

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY Christopher G. Nolen, P.E.
ON THE DATE INDICATED HERE

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AE ENGINEERING, INC.
219 N. NEWNAN STREET, FOURTH FLOOR
JACKSONVILLE, FLORIDA 32202
CERTIFICATION OF AUTHORIZATION: 27212

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING CHANGES, INDICATED IN RED LINE REVISION, IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C. THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THESE PLANS AS PROVIDED BY THE ENIGEER OF RECORD.

SHEET CHANGES

TABULATION OF QUANTITIES - SIGNING & PAVEMENT MARKING PLANS
SHEET(S) S-2 - ADDED FINAL QUANTITIES

Date	Name	Position (Title)	Review Type, If Applicable
RESIDENT OFFICE			
06/02/2020	Rafael Castro (30% QAR)	CSS	OA
DISTRICT OFFICE			
11/20/2020	Angela Mann (60% Review)	CSS II	OC

REVISIONS				AE ENGINEERING 2801 SW College Rd. Unit #23 Ocala, Fl. 34474	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			FINAL "AS-BUILT" SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 326	MARION	435660-2-52-01		S-1A

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-3		S-4		S-5		S-6											
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS			2	✓	1	✓	1	✓							4	✓	4	✓
700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12 SF TO 20 SF	AS	1	✓	1	✓			1	✓							3	✓	3	✓
700 1 50	SINGLE POST SIGN, RELOCATE	AS			1	0											1	0	1	0
700 1 60	SINGLE POST SIGN, REMOVE	AS	1	✓	1	✓											2	✓	2	✓
700 2 60	MULTI POST SIGN, REMOVE	AS							1	✓							1	✓	1	✓
700 5 22	INTERNAL ILLUM SIGN, F&I, OM, 12-18 SF	EA			4	✓											4	✓	4	✓
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS															1	✓	1	✓
*	RETRO-REFLECTIVE PAVEMENT MARKERS (Y/Y)	EA	65	✓	28	✓	16	✓	42	✓							151	✓	151	✓
*	RETRO-REFLECTIVE PAVEMENT MARKERS (W/R)	EA	6	✓	50	✓	5	✓	28	✓							89	✓	89	✓
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.023	✓	0.274	✓	0.028	✓	0.238	✓							0.563	✓	0.563	✓
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK, 12"	LF			709	✓											709	✓	709	✓
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF			752	✓											752	✓	752	✓
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 SKIP, 6"	GM			0.023	✓	0.030	✓									0.053	✓	0.053	✓
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM					0.031	✓	0.026	✓							0.057	✓	0.117	✓
	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM	0.015	✓	0.009	✓	0.006	✓	0.030	✓							0.060	✓		
*	PNTD PAVT, STANDARD, WHITE, ARROW	EA																	22	✓
	LEFT		6	✓	6	✓	2	✓	2	✓							16	✓		
	RIGHT				3	✓	1		2	✓							6	✓		
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	129	✓				✓	43	✓							172	✓	172	✓
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.200	✓	0.164	✓	0.058		0.216	✓							0.638	✓	0.638	✓
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 10-30 SKIP, 6"	GM	0.076	✓			0.046	✓									0.122	✓	0.122	✓
								✓												
711-11-123	THERMOPLASTIC, STANDARD, WHITE SOLID, 12" FOR CROSSWALK	LF			709	✓		✓									709	✓	709	✓
711-11-125	THERMOPLASTIC, STANDARD, WHITE SOLID, 24" FOR STOPLINE	LF			144	✓											144	✓	144	✓
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM					0.031	✓	0.026	✓							0.057	✓	0.117	✓
	THERMOPLASTIC, STANDARD, WHITE, 6-10 GAP EXTENSION, 6"	GM	0.015	✓	0.009	✓	0.006	✓	0.030	✓							0.060	✓		
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA		✓															22	✓
	LEFT		6	✓	6	✓	2	✓	2	✓							16	✓		
	RIGHT				3	✓	1	✓	2	✓							6	✓		
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	129	✓					43	61							172	190	172	190
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF			608	631											608	631	608	631
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA																		
	BIKE				2	✓											2	✓	2	✓
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROWS	EA																		
	BIKE THRU				2	✓											2	✓	2	✓
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.023	✓	0.274	✓	0.028	✓	0.238	✓							0.563	✓	0.563	✓
711-16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM			0.023	✓	0.030	✓									0.053	✓	0.053	✓
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.200	✓	0.164	✓	0.058	✓	0.216	0.177							0.638	0.599	0.638	0.599
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6", 10-30 SKIP	GM	0.076	0.102			0.046	0.072									0.122	0.174	0.122	0.174

FIELD MEASUREMENT BACK-UP (POST SIGNS)EDMS#1474377

SURIPING SUMMARY (PAINTING) EDMS#1474010

SURIPING SUMMARY (THERMOPLASTIC) EDMS#1474011

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90.
THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

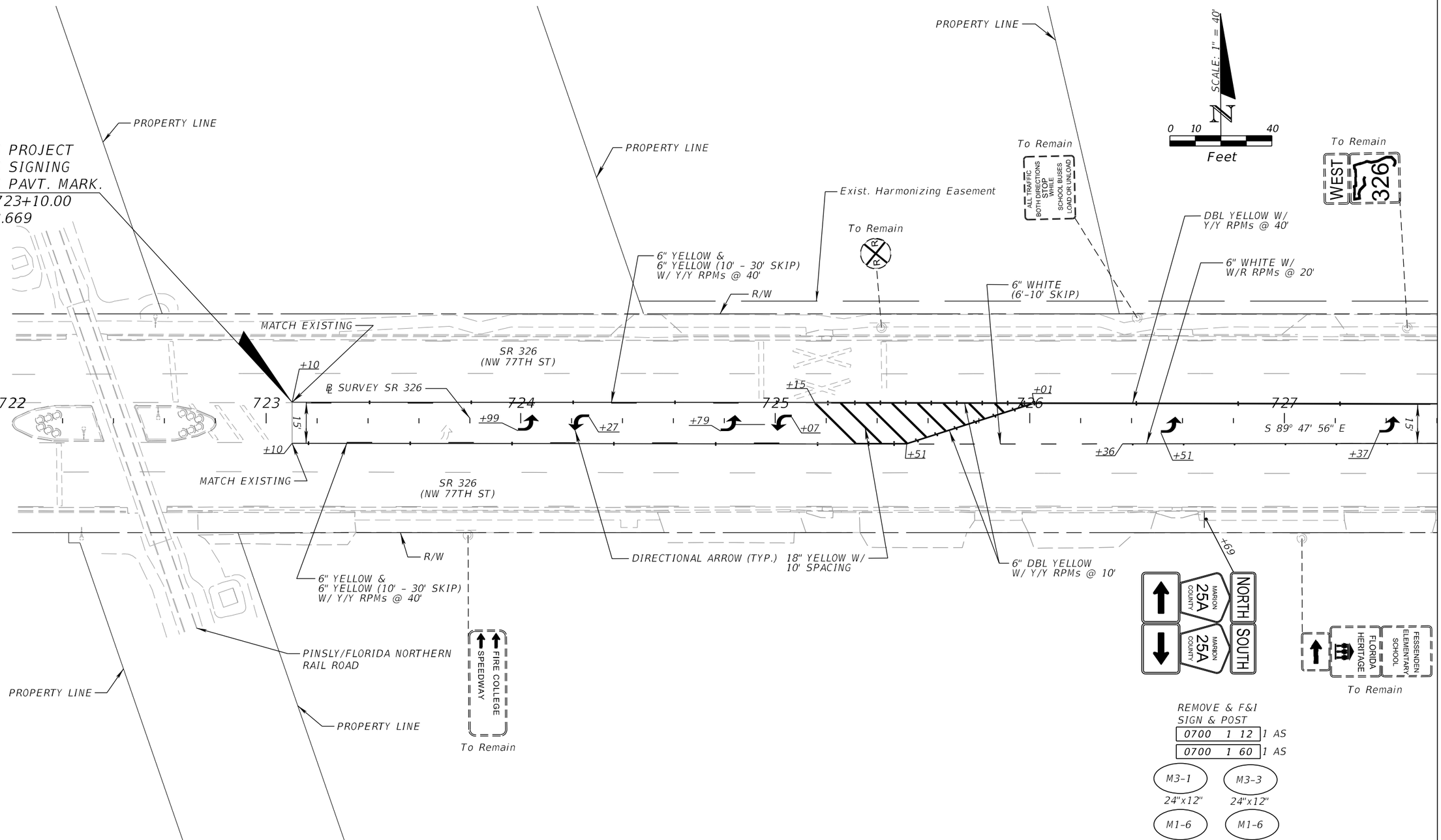
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TABULATION OF QUANTITIES

SHEET NO. S-2

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



REMOVE & F&I
SIGN & POST

0700 1 12	1 AS
0700 1 60	1 AS

M3-1 24"x12"
M3-3 24"x12"
M1-6 24"x24"
M1-6 24"x24"
M6-1L 21"x15"
M6-1R 21"x15"

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

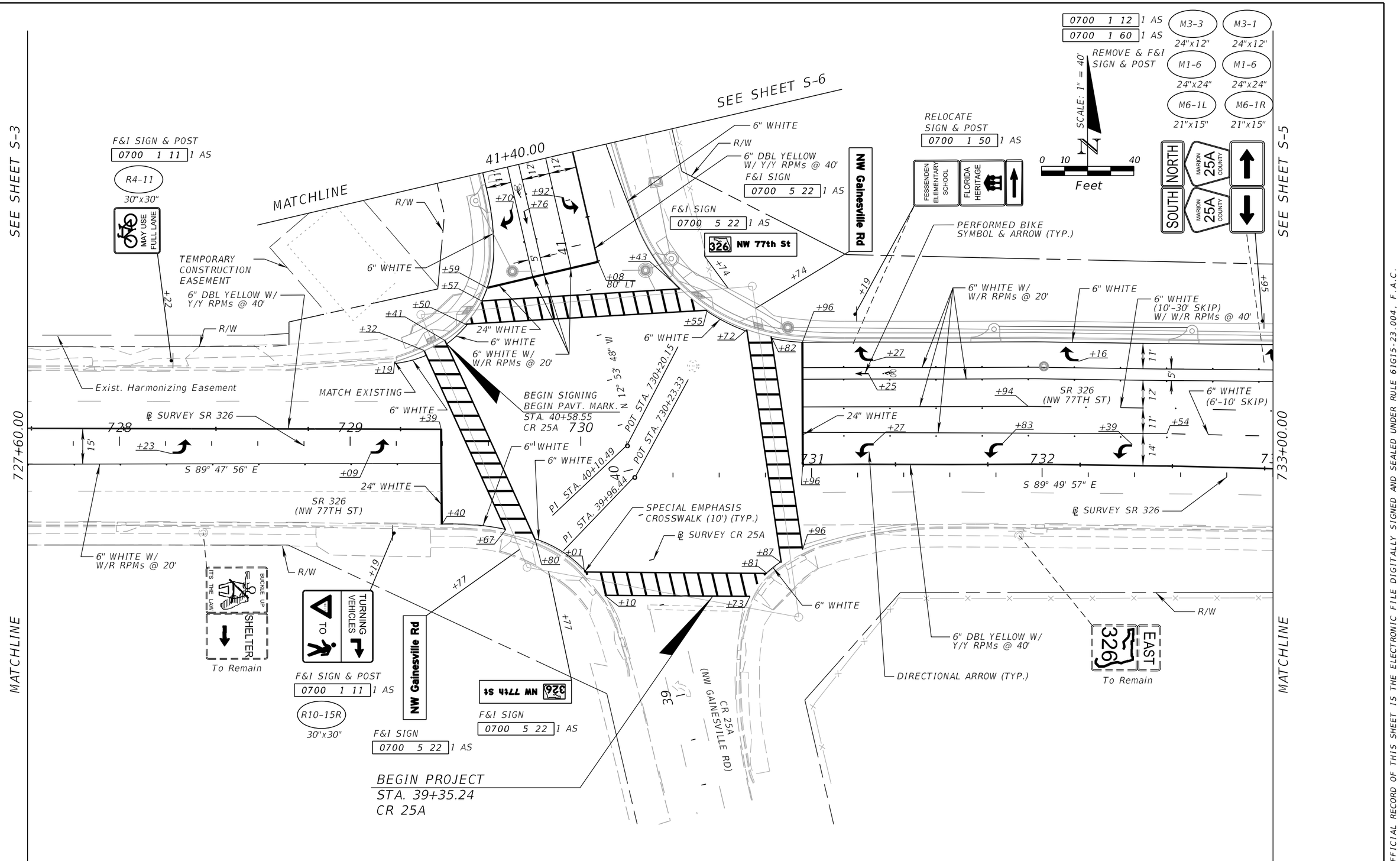
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SIGNING & PAVEMENT MARKING PLANS (1)

SHEET NO. S-3

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

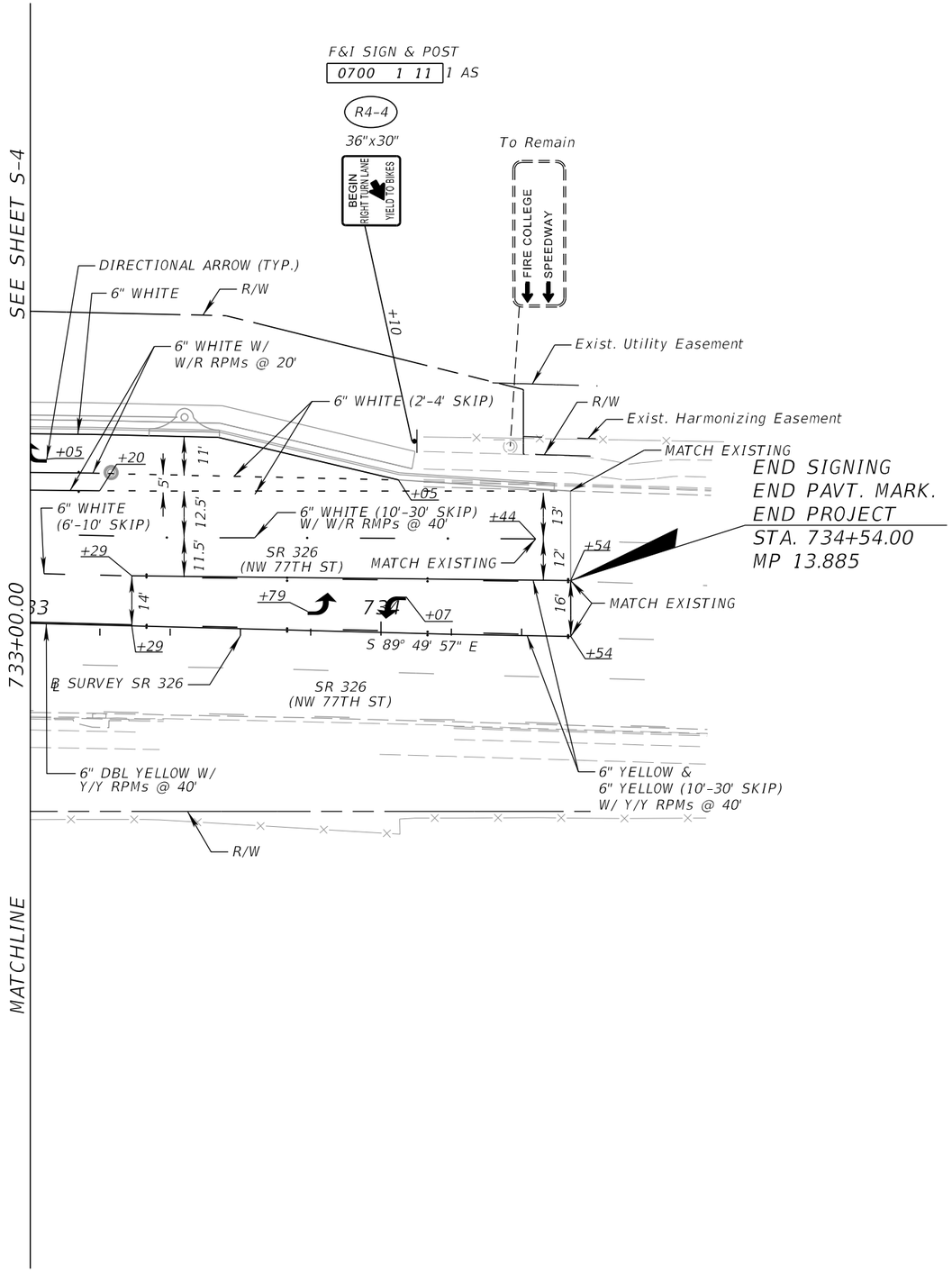
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

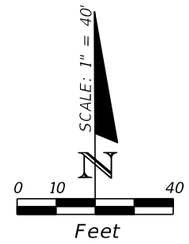
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SIGNING & PAVEMENT MARKING PLANS (2)

SHEET NO. S-4

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

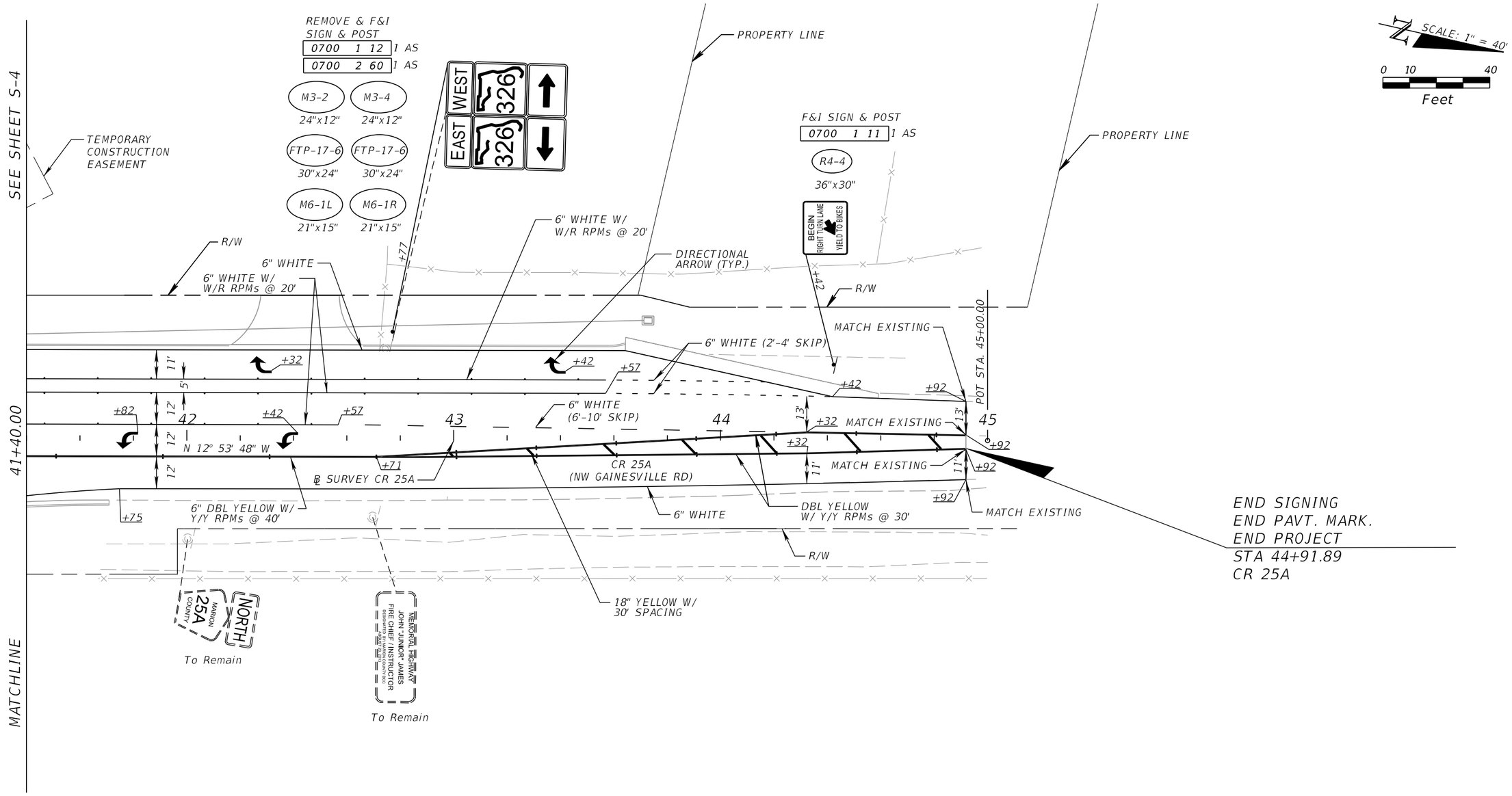
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SIGNING & PAVEMENT MARKING PLANS (3)

SHEET NO.
S-5

smeade 8/21/2019 11:27:50 AM P:\435660-2 SR 326\43566023201\signing\plansp01.dgn



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SIGNING & PAVEMENT MARKING PLANS (4)

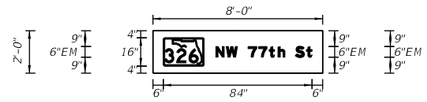
SHEET NO. S-6

smeade 8/21/2019 11:27:50 AM P:\435660-2 SR 326\43566023201\signing\plansp01.dgn

SIGN NAME	SIGN A	QTY	2	SIGN NUMBER	STATION(S)
PANEL		BORDER			none
WIDTH	8'-0"	WIDTH	0"		
HEIGHT	2'-0"	RADII	0"		
LEGEND	White	COLOR	Green		
COLOR	Green				

SYMBOL(S)	ANGLE	X	Y	WID	HT
F28_3	0	6	4	23	16

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



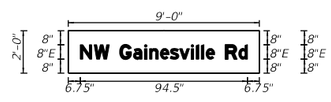
NO. OF LIGHT FIXTURES | FIXTURE SPACING | PHOTOMETRIC CURVE | WATT | VOLTAGE

COPY		N	W		7	7	t	h		S	t		L																				
SPACE	35.6	5.9	6.4	6	5.8	6.1	5	4	6	6.1	3.1	6	54.4																				
COPY																																	
SPACE																																	
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SPACE																																	
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SIGN NAME	SIGN B	QTY	2	SIGN NUMBER	STATION(S)
PANEL		BORDER			none
WIDTH	9'-0"	WIDTH	0"		
HEIGHT	2'-0"	RADII	0"		
LEGEND	White	COLOR	Green		
COLOR	Green				

SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



NO. OF LIGHT FIXTURES | FIXTURE SPACING | PHOTOMETRIC CURVE | WATT | VOLTAGE

COPY		N	W		G	a	i	n	e	s	v	i	l	l	e		R	d		L												
SPACE	6.8	7.8	8.5	6	7.7	6.2	2.9	6.1	5.6	5.3	6.6	2.9	2.9	2.6	5	6	7.5	5	6.8	94.5												
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SIGN NAME		QTY		SIGN NUMBER	STATION(S)
PANEL		BORDER			
WIDTH		WIDTH			
HEIGHT		RADII			
LEGEND		COLOR			
COLOR					

SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

NO. OF LIGHT FIXTURES | FIXTURE SPACING | PHOTOMETRIC CURVE | WATT | VOLTAGE

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SIGN NAME		QTY		SIGN NUMBER	STATION(S)
PANEL		BORDER			
WIDTH		WIDTH			
HEIGHT		RADII			
LEGEND		COLOR			
COLOR					

SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

NO. OF LIGHT FIXTURES | FIXTURE SPACING | PHOTOMETRIC CURVE | WATT | VOLTAGE

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SPACE																																	
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SPACE																																	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

GUIDE SIGN WORKSHEET

SHEET NO. S-7

smeade 8/21/2019 11:27:51 AM P:\435660-2 SR 326\4356602320\signals\gswksg01.dgn

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STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

FINAL AS-BUILT PLANS

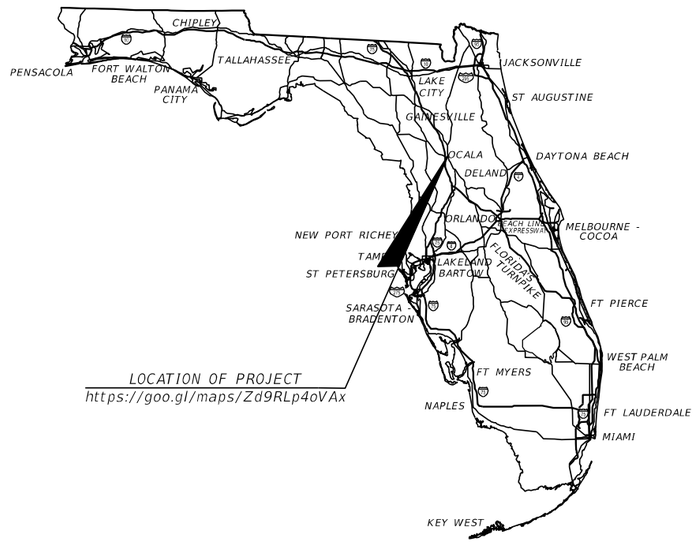
~~CONTRACT PLANS~~

FINANCIAL PROJECT ID 435660-2-52-01

(FEDERAL FUNDS)
MARION COUNTY (36180)

STATE ROAD NO.326 (NW. 77TH ST.)
SR 326 (NW. 77TH ST.) AT CR 25A INTERSECTION WIDENING

SIGNALIZATION PLANS



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES
T-5	SIGNALIZATION PLANS
T-6	ITS PLANS
T-7	STRAIN POLE TABULATION
T-8	STRAIN POLE SCHEDULE
T-9	SPT BORING RESULTS
REF 1-5	ITS SPLICING REFERENCE SHEETS

TOTAL PAGES : 15

SEE SHEET T-1A FINAL "AS-BUILT" SIGNATURE SHEET - FOR CHANGES

Name of Prime Contractor: Heavy Civil Inc.
Name of Prime Consultant: AE Engineering
District Secretary: Jared Perdue, P.E.
Project Administrator: Brian Qualls
Resident Engineer: Christopher Nolen, P.E.
Project Manager: Denise Larkin
Work Started: March 12, 2020
Work Final Accepted: January 20, 2021

SIGNALIZATION PLANS
ENGINEER OF RECORD:

ROBERT NEIL, P.E.
P.E. NO.: 43370
SRD, INC.
3812 COCONUT PALM DR., STE. 100
TAMPA, FL 33619
CONTRACT NO.: C-9K73
VENDOR NO.: 65-1080679
CERTIFICATE OF AUTHORIZATION NO.: 00008828

FDOT PROJECT MANAGER:

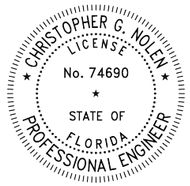
ELIODE JOSEPH, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5674	20	T-1

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

Christopher G Nolen

Digitally signed by Christopher G Nolen
Date: 2021.02.18 15:58:17 -05'00'



STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 74690

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY Christopher G. Nolen, P.E.
ON THE DATE INDICATED HERE

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

AE ENGINEERING, INC.
219 N. NEWNAN STREET, FOURTH FLOOR
JACKSONVILLE, FLORIDA 32202
CERTIFICATION OF AUTHORIZATION: 27212

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING CHANGES, INDICATED IN RED LINE REVISION, IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C. THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THESE PLANS AS PROVIDED BY THE ENIGEER OF RECORD.

SHEET CHANGES

TABULATION OF QUANTITIES - SIGNALIZATION PLANS
SHEET(S) T-3 - ADDED FINAL QUANTITIES

Date	Name	Position (Title)	Review Type, If Applicable
RESIDENT OFFICE			
06/02/2020	Rafael Castro (30% QAR)	CSS	OA
DISTRICT OFFICE			
11/20/2020	Angela Mann (60% Review)	CSS II	OC

REVISIONS				AE ENGINEERING 2801 SW College Rd. Unit #23 Ocala, Fl. 34474	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			FINAL "AS-BUILT" SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 326	MARION	435660-2-52-01		T-1A

ROBERT W. NEIL
LICENSE
No 43370
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED & SEALED BY

Robert W Neil
2019.08.23 15:37:25 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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SRD, INC.
3812 COCONUT PALM DR., STE. 100
TAMPA, FL 33619
CERTIFICATION OF AUTHORIZATION: 00008828
ROBERT W. NEIL, P.E. NO. 43370

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

SIGNALIZATION PLANS:

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES
T-5	SIGNALIZATION PLANS
T-7	STRAIN POLE TABULATION

RAMESH B. REDDOLU
LICENSE
No 73451
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED & SEALED BY

RAMESH B REDDOLU
2019.08.22 16:16:27 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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BES INC.
11007 N. 56th St., #208
TEMPLE TERRACE, FL 33617
CERTIFICATION OF AUTHORIZATION: 00009835
RAMESH B. REDDOLU, P.E. NO. 73451

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

SIGNALIZATION PLANS:

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-6	ITS PLANS

DUANE R. MERRELL
LICENSE
No 36843
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED & SEALED BY

Duane R Merrell
2019.08.22 10:11:21 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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

POND & COMPANY
1300 RIVERPLACE BLVD., STE. 210
JACKSONVILLE, FL 32207
CERTIFICATE OF AUTHORIZATION: 8085
DUANE MERRELL, P.E. NO. 36843

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

SIGNALIZATION PLANS:

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-8	STRAIN POLE SCHEDULE

CHRISTOPHER P. MEYER
LICENSE
No 49328
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED & SEALED BY

Christopher P Meyer
2019.08.21 09:51:07 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FL 32814
CERTIFICATION OF AUTHORIZATION: 00005882
CHRISTOPHER P. MEYER, P.E. NO. 49328

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

SIGNALIZATION PLANS:

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-9	SPT BORING RESULTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SIGNATURE SHEET

SHEET NO.
T-2

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS T-5 PLAN	T-5 FINAL	T-6 PLAN	T-6 FINAL											TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	757	715	25	✓											782	740	782	740
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	366	✓													366	✓	366	✓
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF			40	✓											40	✓	40	✓
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1	✓													1	✓	1	✓
632-7-6	SIGNAL CABLE, REMOVE-INTERSECTION	PI	1	✓													1	✓	1	✓
633-1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF			70	0											70	0	70	0
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA			24	0											24	0	24	0
633-3-42	FIBER OPTIC CONNECTION HARDWARE, RELOCATE SPLICE TRAY	EA			1	0											1	0	1	0
633-3-46	FIBER OPTIC CONNECTION HARDWARE, RELOCATE PATCH PANEL, FIELD TERMINATED	EA			1	0											1	0	1	0
633-8-4	MULTI-CONDUCTOR COMMUNICATION CABLE, RELOCATE	LF			55	0											55	0	55	0
634-4-153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX OR DROP BOX	PI	1	✓													1	✓	1	✓
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	17	✓	1	✓											18	✓	18	✓
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND POWER METER PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS	1	✓													1	✓	1	✓
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	60	✓													60	✓	60	✓
639-2-6	ELECTRICAL SERVICE WIRE, REMOVE	LF	36	✓													36	✓	36	✓
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1	✓													1	✓	1	✓
641-2-18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII	EA	4	✓													4	✓	4	✓
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	6	✓													6	✓	6	✓
641-2-70	PRESTRESSED CONCRETE POLE, SHALLOW REMOVAL - POLE 30' AND GREATER	EA	2	✓													2	✓	2	✓
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	8	✓													8	✓	8	✓
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA	2	✓													2	✓	2	✓
650-1-24	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W/ALUM TOP, 3 SECTION, 1 WAY	AS	8	✓													8	✓	8	✓
650-1-26	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W ALUMIN TOP, 4 SECTION, 1 WAY	AS	2	✓													2	✓	2	✓
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8	✓													8	✓	8	✓
660-2-102	LOOP ASSEMBLY - F&I, TYPE B	AS	4	✓													4	✓	4	✓
660-2-106	LOOP ASSEMBLY - F&I, TYPE F	AS	6	✓													6	✓	6	✓
660-6-421	VEHICLE DETECTION SYSTEM - AVI, BLUETOOTH RELOCATE, CABINET EQUIPMENT	EA			1	0											1	0	1	0
660-6-422	VEHICLE DETECTION SYSTEM - AVI, BLUETOOTH RELOCATE, ABOVE GROUND EQUIPMENT	EA			1	✓											1	✓	1	✓
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8	✓													8	✓	8	✓
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1	✓													1	✓	1	✓
670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1	✓													1	✓	1	✓
684-1-4	MANAGED FIELD ETHERNET SWITCH, RELOCATE	EA			1	0											1	0	1	0
685-1-12	UNITERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE / DOUBLE CONVERSION	EA	1	✓													1	✓	1	✓

FIELD MEASUREMENT BACK-UP (SIGNALIZATION)EDMS#1474377

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TABULATION OF QUANTITIES

SHEET NO. T-3

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

GENERAL NOTES:

1. CONDUIT FROM EXISTING LOOPS L-6 SHALL REMAIN UP TO THE CLOSEST PROPOSED PULLBOX. ALL OTHER CONDUIT SHALL BE REMOVED.

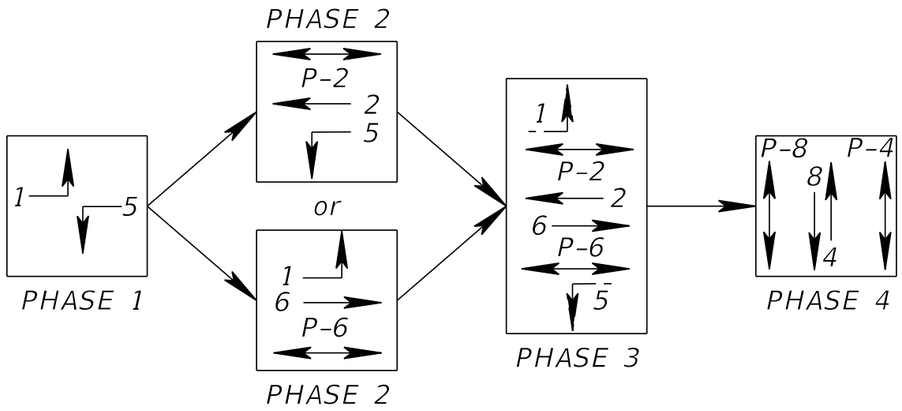
CONTROLLER CABINET, PEDESTRIAN, & VEHICULAR SIGNALS:

1. FURNISH AND INSTALLATION OF THE CONTROLLER ASSEMBLY IS TO CONSIST OF ALL NECESSARY HARDWARE TO COMMUNICATE WITH MARION COUNTY TRAFFIC OPERATIONS SIGNAL SYSTEM. ANY ADDITIONAL EQUIPMENT AND/OR ACCESSORIES REQUIRED FOR THE TERMINATION AND OPERATION OF FIBER OPTIC INTERCONNECT CABLE TO BE FINISHED AND INSTALLED AS PART OF THE CONTROLLER ASSEMBLY.

CONTROLLER NOTES:

1. MAJOR STREET IS NW 77TH ST. MOVEMENTS 2 AND 6, WITH AN APPROACH POSTED SPEED OF 45 MPH. MINOR STREET IS NW GAINESVILLE RD., MOVEMENTS 4 AND 8, WITH AN APPROACH POSTED SPEED OF 45 MPH.
2. THIS IS A S.O.P. 7 CONTROLLER OPERATION. SIGNAL TIMINGS PROVIDED ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE ENGINEER.
3. ALL EXISTING ABOVE GROUND SIGNAL EQUIPMENT SHALL BE REMOVED UNLESS OTHERWISE NOTED IN PLANS.

EXISTING S.O.P. 7



SIGNAL CABLE, LOOPS, CONDUIT, & PULL BOXES:

1. TYPE "F" LOOPS SHALL BE 40-FOOT X 6 FOOT AND EXTEND 5 FEET BEYOND THE STOP BAR.
2. THE FAR ADVANCE TYPE "B" LOOPS ARE TO BE WIRED TO THE SYSTEM PANEL AND SHALL FUNCTION AS BOTH SYSTEM LOOPS AND ADVANCED LOOPS. ADDITIONALLY EACH "B" LOOP SHALL HAVE SEPARATE DETECTOR CHANNEL AND SHALL INCLUDE TEMPLE/SIEMENS, VEHICLE DETECTOR - LOOP 2 CHANNELS LCD DETECTOR.

SIGNAL HEADS:

1. ALL VEHICULAR SIGNAL HEAD ASSEMBLIES TO BE LIGHT WEIGHT, ALUMINUM TOP AND POLYCARBONATE BOTTOM, AS REQUESTED BY MARION COUNTY TRAFFIC OPERATIONS.
2. ALL SIGNAL HEADS TO HAVE BACKPLATES WITH YELLOW RETROREFLECTIVE BORDERS.

PAY ITEM NOTES:

633-8-4: RELOCATE EXISTING MULTI-CONDUCTOR CABLE. MATCH EXISTING COMMUNICATION CABLE TYPE IF DAMAGED DURING CONSTRUCTION. INCLUDES CONNECTION OF THE RELOCATED RSU & GROUNDING TO NEW CONTROLLER AND ALL OTHER RELOCATED EQUIPMENT INTO THE NEW CABINET TO ENSURE COMPLETE OPERATION OF THE RSU.

670-5-110: CABINET SHALL INCLUDE A TYPE 6 CABINET ATC CONTROLLER WITH 64 CHANNELS. SHALL INCLUDE THE COST FOR MIGRATING ALL EXISTING CONTROLLER FUNCTIONS INCLUDING EQUIPMENT, PHASING AND TIMINGS TO THE NEW CONTROLLER. THE CONTROLLER SHALL BE 100% COMPATIBLE WITH THE COUNTY ATMS. CABINETS TO BE TEMPLE/SIEMENS CABINET ASSEMBLY TS-2 TYPE 6 MODEL WITH A TEMPLE/SIEMENS M62 ATC CONTROLLER NEMA TS2 TYPE WITH ETHERNET. THE MMU SHALL BE EDI, E16. ALL CABINETS ARE TO INCLUDE A CYBERLOCK, TRAFFIC CADET LOCK - ELECTRONIC CYLINDER DESCRIPTION PART NUMBER CL-TCI. ALL COSTS FOR RELOCATING/CONFIGURING/INSTALLING EXISTING/PROPOSED EQUIPMENT PER THE PLANS TO BE INCLUDED (INCLUDING ALL MATERIALS).

684-1-1: SHALL PAY FOR FURNISHING AND INSTALLING AN ITS EXPRESS 8012-24 WITH ALL OPTICS THAT ARE TO BE SIZED AND PROVIDED AS REQUIRED TO MEET THE PLANS AND SPECIFICATIONS.

685-1-12: SHALL INCLUDE UPS MODEL FXM 1100 WITH 4 ALPHACELL 100 TV 12-VOLT BATTERIES AND THESE ITEMS SHALL BE HOUSED IN A SEPARATE TEMPLE FL08 CABINET THAT IS ATTACHED TO THE TEMPLE/SIEMENS TYPE 6 CABINET.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

GENERAL NOTES

SHEET NO. T-4

CONTROLLER TIMINGS

TIMING FUNCTION	MOVEMENT NUMBER	1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN	EXISTING TO REMAIN							
	EXTENSION								
	MAXIMUM GREEN 1								
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE	4.8	4.8		4.8	4.8	4.8		4.8
	ALL RED	2.9	2.9		2.6	2.9	2.9		2.6
	PEDESTRIAN WALK		7		7		7		7
	PED. CLEARANCE		29		31		21		27
	RECALL								

* ALL EXISTING GREEN TIMES SHALL REMAIN

SCALE: 1" = 40'

0 10 40 Feet

Remove Exist. Strain Pole, (Shallow)
Exist. PED Signal & Detector (TO BE REMOVED)
Remove Exist. Pullbox
2 RUNS @ 20 LF 630-2-11, 1 EA 646-1-11, 1 EA 665-1-11
PED POLE Sta. 729+45, 56' LT
SPT-1
TEMPORARY CONSTRUCTION EASEMENT
2 EA 635-2-11
1 RUN @ 15 LF 630-2-11
1 RUNS @ 60 LF 630-2-11, 1 AS 639-1-122, 60 LF 639-2-1, 1 EA 641-2-12
Exist. Harmonizing Easement
POLE LOCATION = 56.85' LT
STA. 729+30.67
① EL. 80.22
1 EA 641-2-18
1 AS 670-5-110
R/W 1 EA 685-1-12
4 EA 635-2-11
2 RUNS @ 30 LF 630-2-11, 1 EA 646-1-11, 1 EA 665-1-11
PED POLE Sta. 729+32, 49' LT
Exist. PED Signal & Detector (TO BE REMOVED)
℄ SURVEY SR 326
3 RUNS @ 115 LF 630-2-12 (1 HV, 1 LV, 1 SPARE)
1 AS 660-2-106
Exist. Loops (TO REMAIN)
SR 326 (NW 77TH ST)
Exist. PED Signal& Detector (TO BE REMOVED)
R/W
1 RUN @ 29 LF 630-2-11, 1 EA 635-2-11
Exist. Controller Cabinet (To Be Removed
630-2-11 1 RUN @ 62 LF
635-2-11 1 EA
(2) Remove Exist. Pullboxes
660-2-106 2 AS
630-2-12 3 RUNS @ 130 LF (1 HV, 1 LV, 1 SPARE)
Remove Exist. Pullbox
Exist. PED Signal & Detector (TO BE REMOVED)
Remove Exist. Pullbox
630-2-11 2 RUNS @ 28 LF, 646-1-11 1 EA, 665-1-11 1 EA
PED POLE Sta. 730+58, 77' LT
635-2-11 1 EA
R/W
630-2-11 3 RUNS @ 11 LF, 641-2-18 1 EA
POLE LOCATION = 82.83 LT
STA. 730+74.41
④ EL. 80.03
SPT-4
635-2-11 1 EA
630-2-11 2 RUNS @ 18 LF, 646-1-11 1 EA, 665-1-11 1 EA
PED POLE Sta. 730+72, 71' LT
630-2-11 2 RUNS @ 54 LF, 635-2-11 1 EA
630-2-11 2 RUNS @ 106 LF, 635-2-11 1 EA
2 RUNS @ 233 LF 630-2-11, 1 EA 635-2-11
R/W
12.47kV
69kV
CONDUIT FROM NEW CABINET TO ADVANCE LOOPS
330' FROM LOOPS TO STOP BAR
Exist. Pullbox (TO BE REMOVED)
Exist. PED Signal & Detector (TO BE REMOVED)
EL. 79.59
EL. 80.33
EL. 80.45
EL. 79.21
Remove Exist. Pullbox 150'
660-2-102 4 AS
632-7-1 1 PI
634-4-153 1 PI
660-2-106 1 AS
Exist. PED Signal & Detector (TO BE REMOVED)
SR 326 (NW 77TH ST)
(2) Remove Exist. Pullboxes
R/W
Remove Exist. Pullbox
2 RUNS @ 9 LF 630-2-11, 1 EA 646-1-11, 1 EA 665-1-11
PED POLE Sta. 729+73, 49' RT
2 EA 635-2-11
Remove Exist. Pullbox
1 EA 641-2-18
POLE LOCATION = 52.72' RT
STA. 729+76.71
② EL. 79.90
Remove Exist. Pullbox
SPT-2
Exist. PED Signal & Detector (TO BE REMOVED)
660-2-106 2 AS
630-2-11 2 RUNS @ 53 LF, 646-1-11 1 EA, 665-1-11 1 EA
PED POLE Sta. 729+96, 65' RT
3 RUNS @ 121 LF 630-2-12 (1 HV, 1 LV, 1 SPARE)
630-2-11 2 RUNS @ 11 LF, 646-1-11 1 EA, 665-1-11 1 EA
PED POLE Sta. 730+96, 43' RT
635-2-11 2 EA
Remove Exist. Strain Pole, (Shallow)
641-2-18 1 EA
POLE LOCATION = 60.60' RT
STA. 730+94.47
③ EL. 79.39
SPT-3
Exist. PED Signal & Detector (TO BE REMOVED)
Remove Exist. Pullbox
630-2-11 3 RUNS @ 18 LF, 646-1-11 1 EA, 665-1-11 1 EA
PED POLE Sta. 730+88, 50' RT
12.47kV
39
(NW GAINESVILLE RD)
CR 25A
L-8

REMOVAL PAY ITEMS

632-7-6	1 PI
639-2-6	36 LF
641-2-60	6 EA
641-2-70	2 EA
646-1-60	2 EA
670-5-600	1 AS

3-SECT., 1-WAY
8 AS
650-1-24

4-SECT., 1-WAY
2 AS
650-1-26

PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY
8 AS
653-1-11

R-10-03i
NW 77TH ST 2 EA
NW GAINESVILLE RD 2 EA

R-10-03i
NW 77TH ST 2 EA
NW GAINESVILLE RD 2 EA

SIGN ① 326 NW 77th St

SIGN ② NW Gainesville Rd

INTERNALLY ILLUMINATED STREET NAME SIGN (LED EDGE LIT)

DETECTORS FOR LOOPS

LOOP	NO. OF LOOPS	NO. OF NEW DETS.	NO. OF EXIST. DETS.	DELAY TIME (SEC)
L-1	1	1		
L-2	4	4		
L-3				
L-4	2	2		
L-5	1	1		
L-6	4			
L-7				
L-8	2	2		

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REVISIONS			
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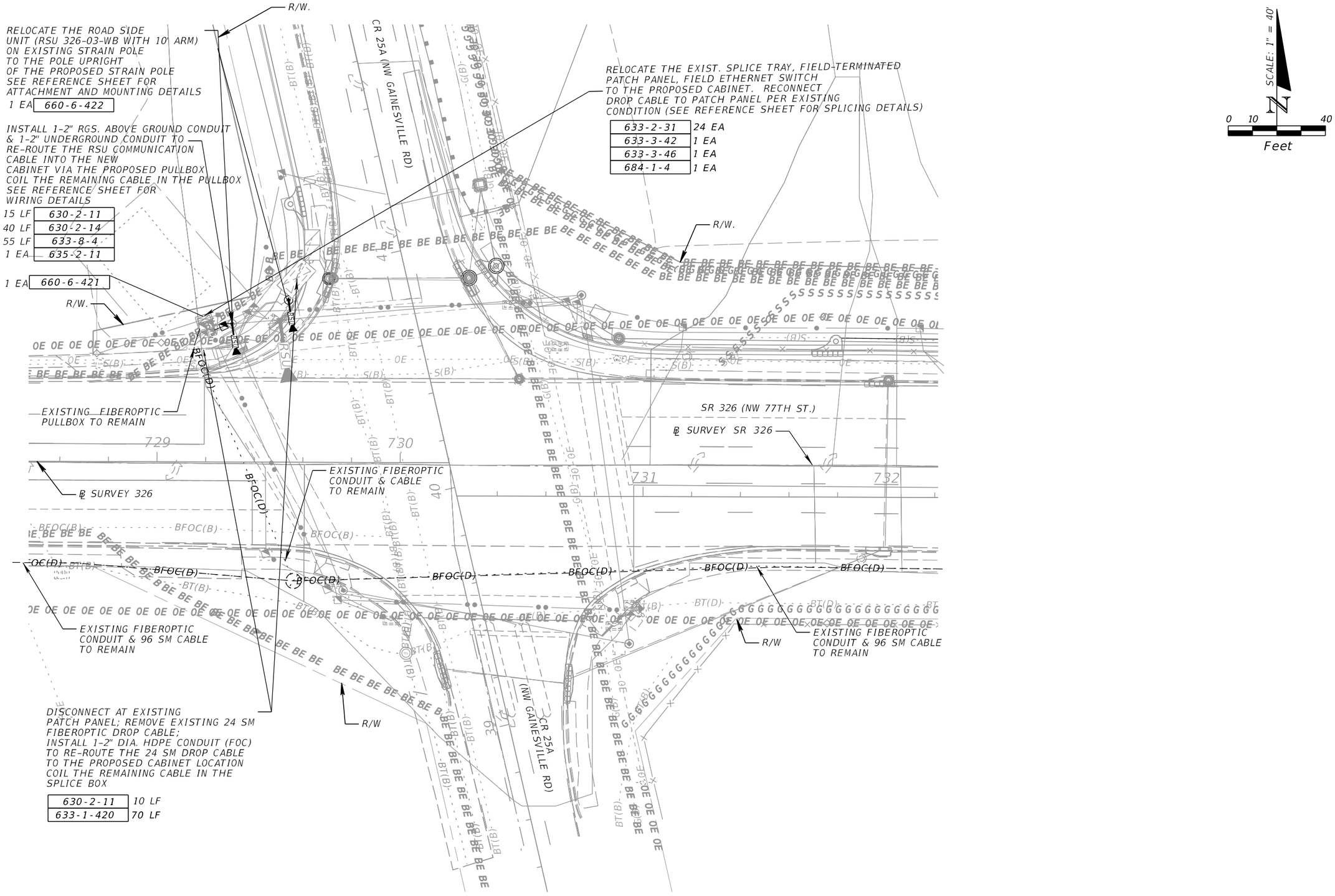
SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
P.E. No. 43370

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

SIGNALIZATION PLANS

SHEET NO. T-5



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REVISIONS			
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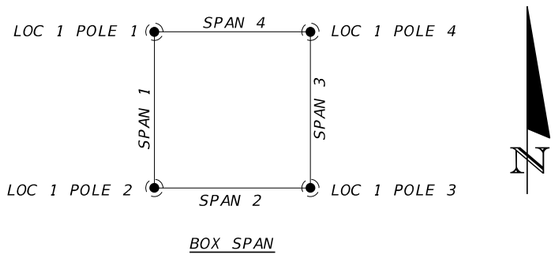
BES INC.
11007 N. 56TH ST., #208
TEMPLE TERRACE, FL 33617
(813) 985-7800
CERTIFICATE OF AUTHORIZATION NO. 9835
RAMESH B. REDDOLU, P.E.
LICENSE NO. 73451

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

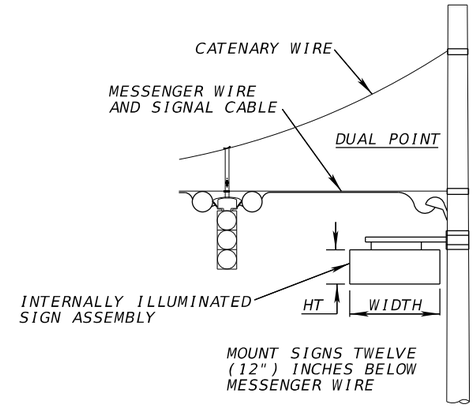
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

ITS PLANS

SHEET NO. T-6



BOX SPAN



LOC. NO.	SHEET NO.	POLE	STRUC. ID NO.	CRIT. ELEV. DIF.	CONCRETE OR STEEL	SPAN	SPAN LENGTH	BACK-PLATES (Y/N)	SIGNAL DATA DISTANCE FROM CENTER OF POLE IN FEET /NUMBER OF SECTIONS					
									DIST.	SEC.	DIST.	SEC.	DIST.	SEC.
1	T-5	1	1-1	17.62'	CONCRETE	1	118.9'	Y	34.8'	3	51.2'	3	63.3'	4
	T-5	2	1-2	18.74'	CONCRETE	2	119.8'	Y	42.2'	3	57.1'	3		
	T-5	3	1-3	17.50'	CONCRETE	3	144.8'	Y	48.5'	3	59.9'	3	73.0'	4
	T-5	4	1-4	18.56'	CONCRETE	4	144.2'	Y	49.6'	3	69.8'	3		

FUTURE 4-SECTION HEAD FOR NB AND SB

LOC. NO.	SHEET NO.	POLE	STRUC. ID NO.	CRIT. ELEV. DIF.	CONCRETE OR STEEL	SPAN	SPAN LENGTH	BACK-PLATES (Y/N)	SIGNAL DATA DISTANCE FROM CENTER OF POLE IN FEET /NUMBER OF SECTIONS					
									DIST.	SEC.	DIST.	SEC.	DIST.	SEC.
1	T-5	1	1-1	17.62'	CONCRETE	1	118.9'	Y	34.8'	3	51.2'	3	63.3'	4
	T-5	2	1-2	18.74'	CONCRETE	2	119.8'	Y	39.9'	3	47.3'	3	57.1'	4
	T-5	3	1-3	17.50'	CONCRETE	3	144.8'	Y	48.5'	3	59.9'	3	73.0'	4
	T-5	4	1-4	18.56'	CONCRETE	4	144.2'	Y	44.0'	3	58.7'	3	69.8'	4

REVISIONS			
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SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Phone No. (813) 621-3250
Certificate No. 00008828
Robert Neil, P.E.
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STATE OF FLORIDA
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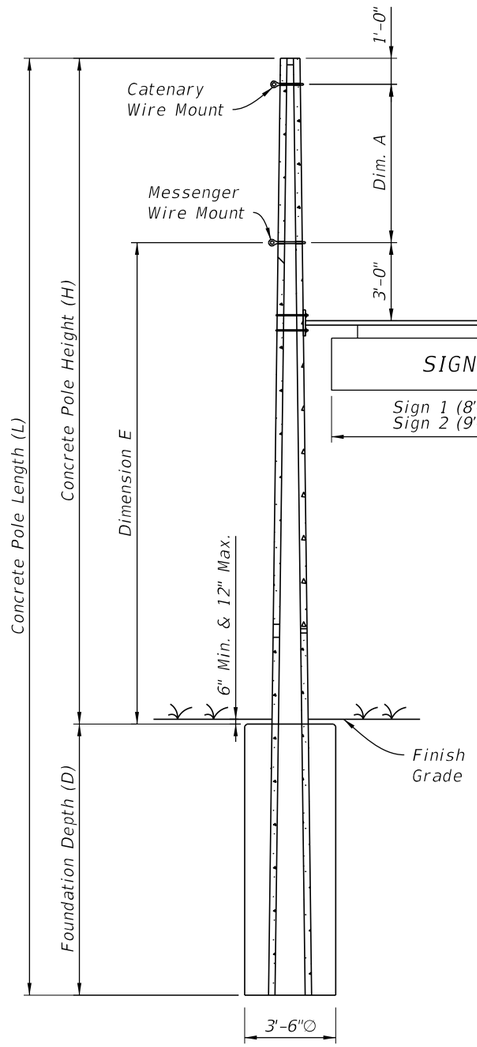
STRAIN POLE TABULATION

SHEET NO. T-7

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STRAIN POLE SCHEDULE

ID NO.	SHEET NO.	POLE LOCATION		FINISH GRADE ELEVATION	ROADWAY CROWN ELEVATION	POLE TYPE	POLE LENGTH (L)	POLE HEIGHT (H)	FOUNDATION DEPTH (D)	DIMENSION (A)	PAY ITEM NUMBER	CATENARY CABLE	MESSENGER CABLE	FOUNDATION DESIGN ASSUMPTIONS	
		STATION	OFFSET											EFFECTIVE SOIL UNIT WT. (PCF)	ANGLE OF INTERNAL FRICTION (DEG.)
1	T-5	729+30.67	56.85' Lt.	80.22	80.33	P-VIII	54'-0"	34'-4"	19'-8"	8'-3"	641-2-18	3/8"	1/2"	45	29
2	T-5	729+76.71	52.72' Rt.	79.90	79.21	P-VIII	54'-0"	34'-8"	19'-4"	8'-3"	641-2-18	3/8"	1/2"	45	29
3	T-5	730+94.47	60.60' Rt.	79.39	80.45	P-VIII	56'-0"	35'-2"	20'-10"	8'-3"	641-2-18	3/8"	1/2"	45	29
4	T-5	730+74.41	82.83' Lt.	80.03	79.39	P-VIII	54'-0"	34'-6"	19'-6"	8'-3"	641-2-18	3/8"	1/2"	45	29



CONCRETE STRAIN POLE DIMENSIONS
(See Standard Plans Index 641-010 for Pole Details)

The strain pole design provides for the accommodation of future 4-section signal fixtures for the Northbound and Southbound legs of the intersection.

STRAIN POLE NOTES:

1. 2½" galvanized pipe nipple 9" below messenger.
2. Design Wind Speed: 140 mph
3. For Report of Core Borings, see Sheet T-9.
4. The critical elevations for this project are shown in the table as Crown Elevations. During the analysis all proposed signals met vertical clearance requirements.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

POND & COMPANY
1300 RIVERPLACE BLVD. STE 210
JACKSONVILLE, FL 32207
FL. CERTIFICATE OF AUTHORIZATION NO. 8085
DUANE MERRELL, FL P.E. NO. 36843

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

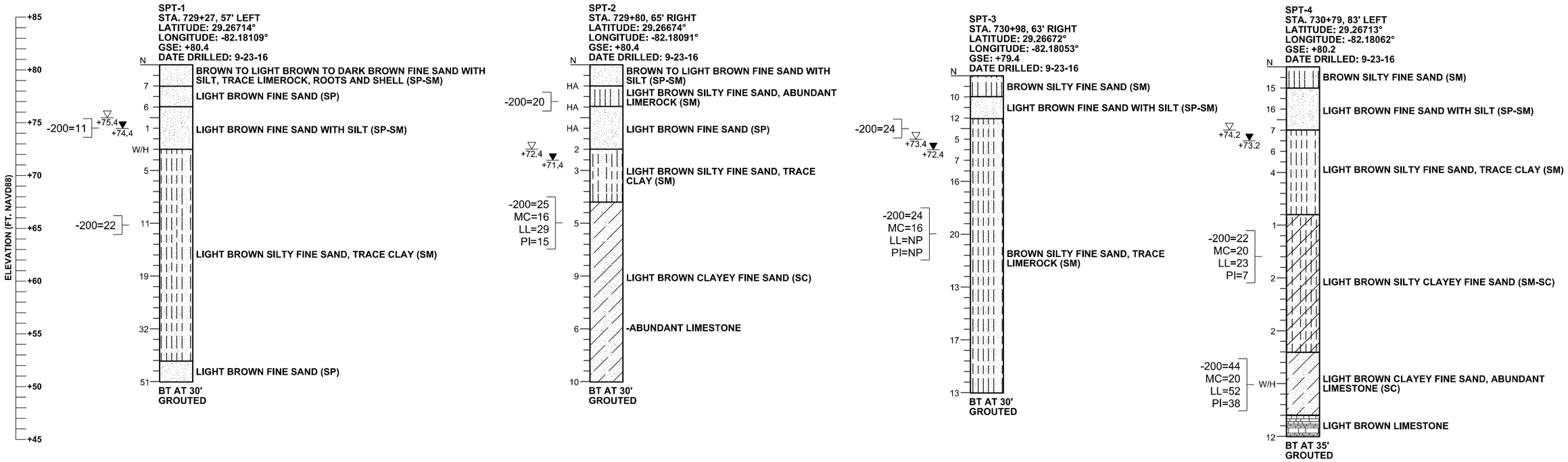
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

STRAIN POLE SCHEDULE

SHEET NO. T-8

Designed By : DRM 5-19
Checked By : RK 5-19
Drawn By : JWF 5-19
Checked By : RK 5-19

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LEGEND

GSE	GROUND SURFACE ELEVATION (FT. NAVD88)
N	STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
HA	HAND AUGERED FOR UTILITY CLEARANCE
W/H	WEIGHT OF HAMMER
▽ +75.4	ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
▼ +74.4	ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) AT TIME OF DRILLING
BT	BORING TERMINATED AT DEPTH INDICATED
-200=	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
MC=	PERCENT NATURAL MOISTURE CONTENT
LL=	LIQUID LIMIT
PI=	PLASTICITY INDEX
NP=	NON-PLASTIC

SAND
SAND AND CLAY
SAND AND SILT
LIMESTONE
SAND, SILT AND CLAY

GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

BORING LOCATIONS WERE ESTABLISHED IN THE FIELD BY MEASURING DISTANCES FROM EXISTING SITE FEATURES AND LATER SURVEYED FOR HORIZONTAL AND VERTICAL CONTROL PROVIDED BY OMNI.

BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITILED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE APPROXIMATELY +40 TO +50 FT. NGVD. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +50 FT. NGVD. BASED ON REVIEW OF THE USGS OCALA, FLORIDA QUADRANGLE MAP, THE EXISTING GROUND SURFACE ELEVATION IS APPROXIMATELY +80 TO +85 FT. NGVD.

SPLIT SPOON SAMPLER:
INSIDE DIAMETER: 1.375 IN.
OUTSIDE DIAMETER: 2.0 IN.
AVERAGE HAMMER DROP: 30 IN.
HAMMER WEIGHT: 140 LBS.
HAMMER TYPE: AUTOMATIC

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE

NON-GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

SECTIONS: 14, 23
TOWNSHIP: 14 SOUTH
RANGE: 21 EAST

FIGURE 5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER P. MEYER, P.E.
P.E. LICENSE NUMBER 49328
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FL 32814
CERTIFICATE OF AUTHORIZATION 00005882

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

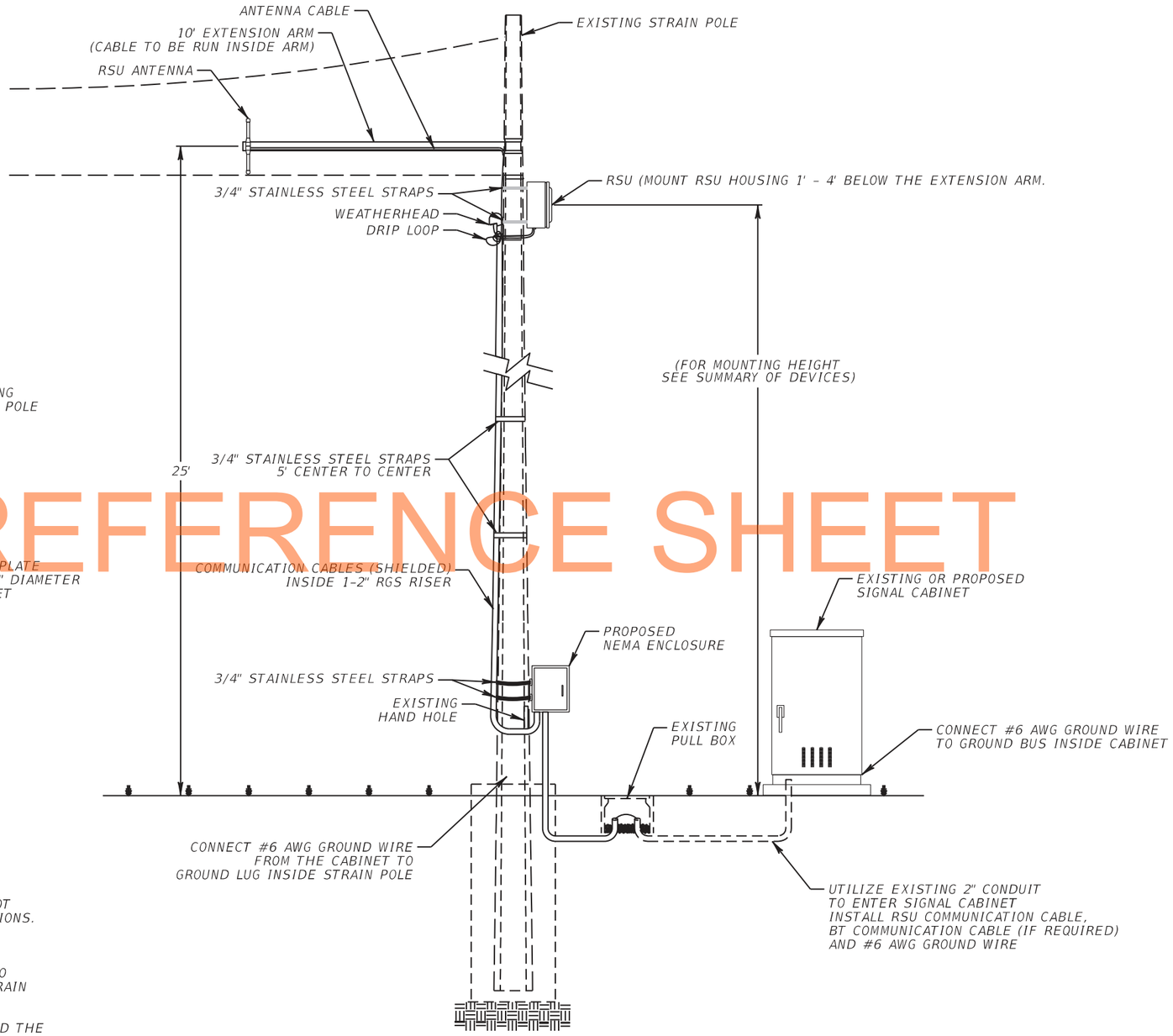
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

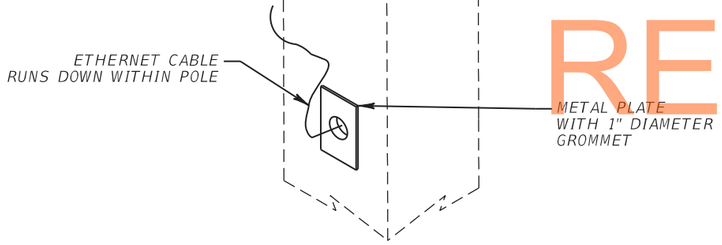
SPT BORING RESULTS

SHEET NO. T-9

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

RSU AND BT ON EXISTING SIGNAL POLE
NTS





GROMMET DETAIL
NTS

REFERENCE SHEET

NOTES:

1. NO HOLES ARE TO BE DRILLED IN EXISTING SIGNAL STRAIN POLES. CONTRACTOR SHALL SUBMIT ARMS FOR ACCEPTANCE BY EITHER FDOT CERTIFICATION OR BY A SHOP DRAWING SUBMITTAL WITH CALCULATIONS.
2. SEE PLANS FOR MOUNTING LOCATION REQUIRED.
3. CONTRACTOR SHALL MARK OUT VERTICAL REINFORCEMENTS PRIOR TO DRILLING HOLE FOR GROMMETS. TAKE CARE TO AVOID EXISTING STRAIN POLE REINFORCEMENTS.
4. CONTRACTOR TO PROVIDE A 10' EXTENSION ARM ABLE TO WITHSTAND THE WIND DESIGN SPEED RERQUIRMENTS FROM SUMTER COUNTY, MARION COUNTY, AND THE CITH OF OCALA. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR THE EXTENSION ARM SHOWING INSTALLATION OF RSU ANTENNA AND THE ARM ATTACHMENT TO THE STRAIN POLE FOR APPROVAL.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DALE W. CODY, P.E.
P.E. LICENSE NUMBER 53995
METRIC ENGINEERING, INC.
525 TECHNOLOGY PARK, SUITE 153
LAKE MARY, FLORIDA 32746
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	SUMTER MARION	440900-1-52-01 440900-2-52-01

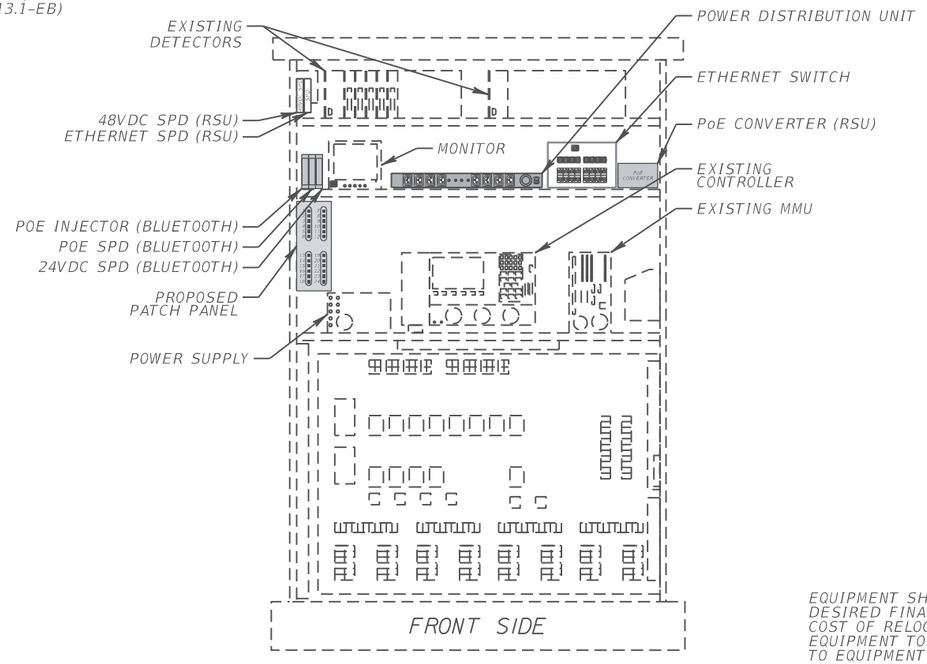
ITS MOUNTING DETAIL

SHEET NO.
REF-1

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

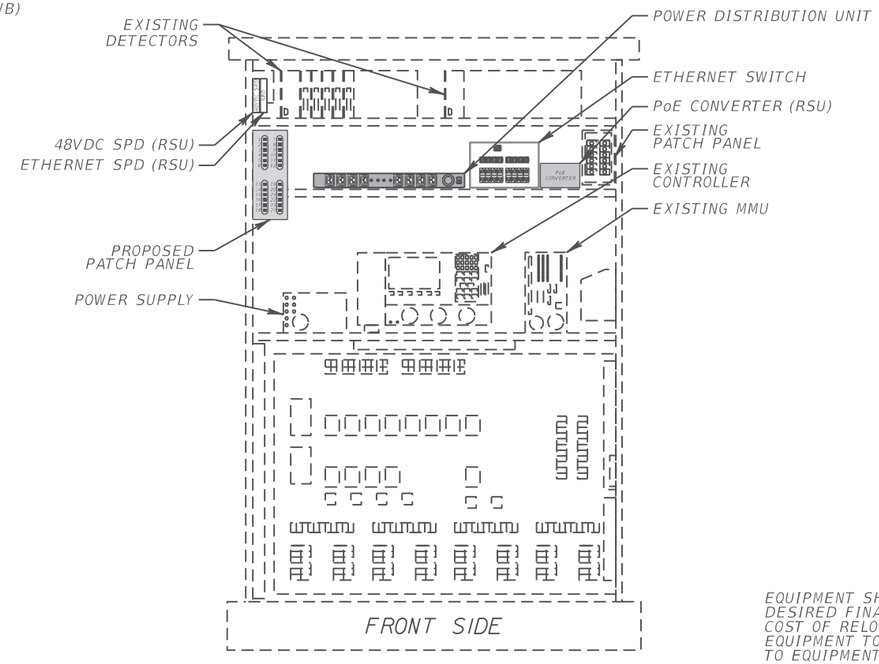
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SIGNAL CABINET
SR 326 @ I-75 NB RAMP
STA. 9007+32, RT
(RSU 326-13.1-EB)



EQUIPMENT SHOWN IN DESIRED FINAL LOCATION. COST OF RELOCATION OF EQUIPMENT TO BE INCIDENTAL TO EQUIPMENT PAY ITEM.

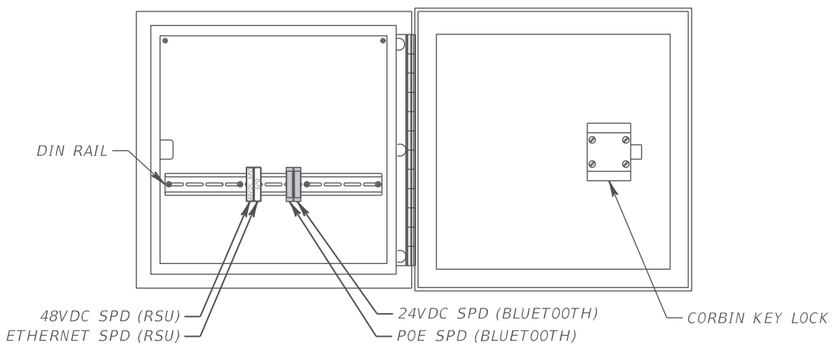
SIGNAL CABINET
SR 326 @ CR 25A/NW GAINSVILLE RD
STA. 9042+90, LT
(RSU 326-13.8-WB)



EQUIPMENT SHOWN IN DESIRED FINAL LOCATION. COST OF RELOCATION OF EQUIPMENT TO BE INCIDENTAL TO EQUIPMENT PAY ITEM.

NEMA ENCLOSURE
US 301 @ CR 328
STA. 2076+87, RT
(RSU 301-41.6-NB)

NEMA ENCLOSURE
SR 326 @ I-75 NB RAMP
STA. 9007+32, RT
(RSU 326-13.1-EB)



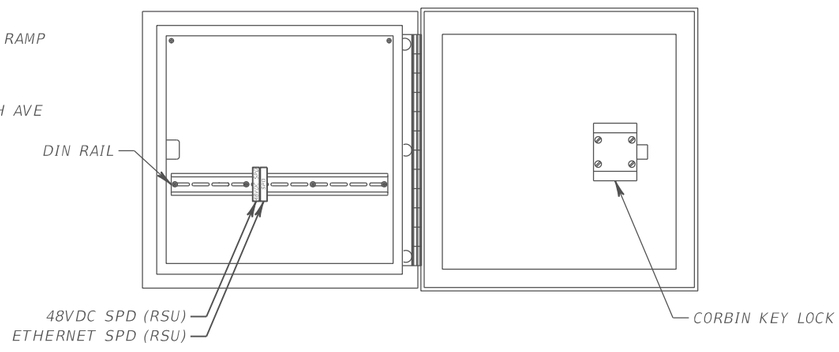
SIGNAL CABINET
US 301 @ SR 40/W SILVER SPRINGS BLVD
STA. 2423+29, RT
(RSU 301-48.2-NB)

NEMA ENCLOSURE
SR 200 @ I-75 NB RAMP
STA. 6009+68, LT
(RSU 200-14.9-EB)

NEMA ENCLOSURE
SR 40 @ MLK JR BLVD
STA. 7108+04, LT
(RSU 40-26.0-WB)

NEMA ENCLOSURE
US 27 @ I-75 NB RAMP
STA. 8006+62, LT
(RSU 27-17.9-WB)

NEMA ENCLOSURE
US 27 @ NW 35TH AVE
STA. 8017+18, LT
(RSU 27-18.2-WB)



REFERENCE SHEET

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DALE W. CODY, P.E.
P.E. LICENSE NUMBER 53995
METRIC ENGINEERING, INC.
525 TECHNOLOGY PARK, SUITE 153
LAKE MARY, FLORIDA 32746
CERTIFICATE OF AUTHORIZATION: 2294

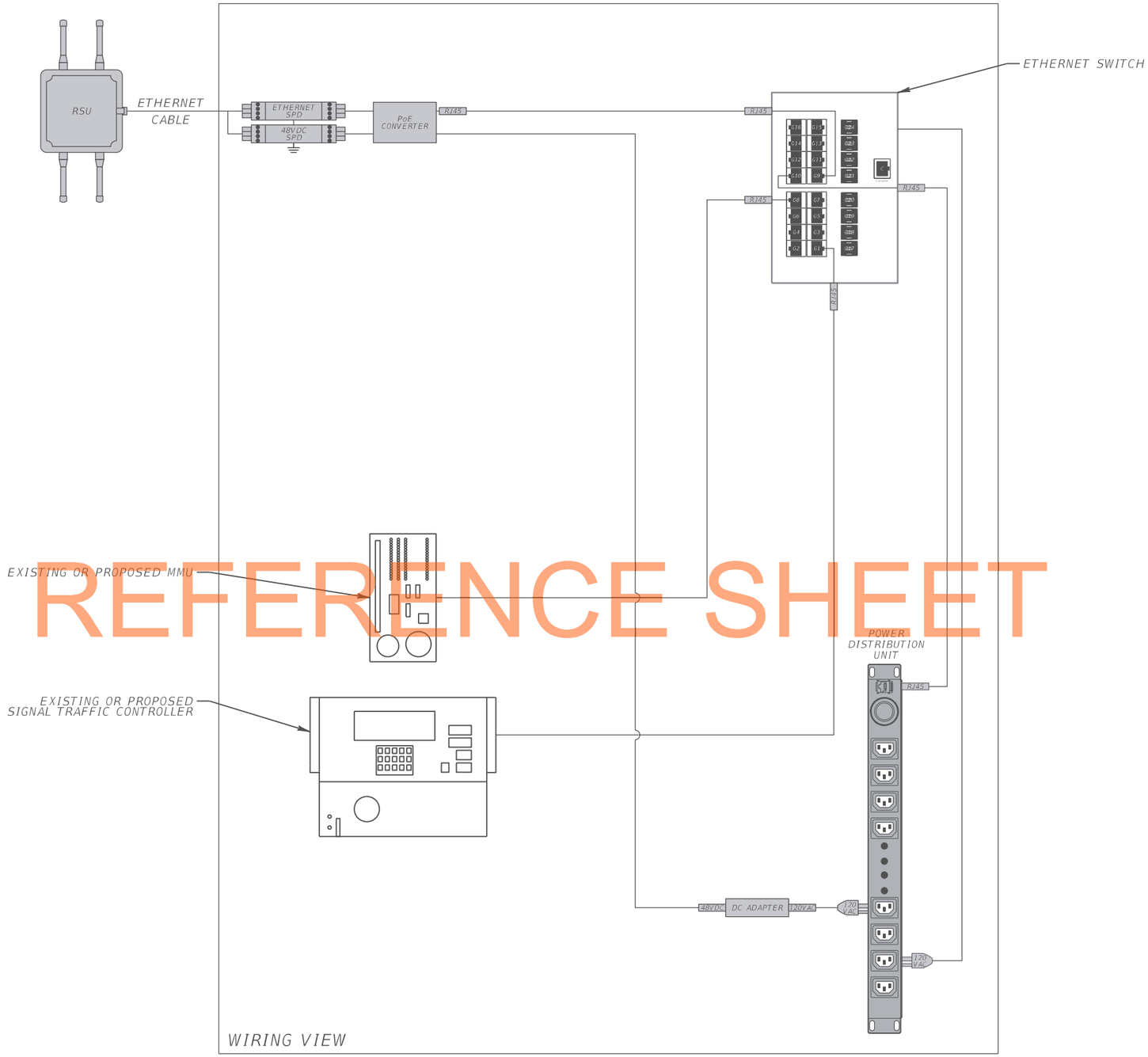
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	SUMTER MARION	440900-1-52-01 440900-2-52-01

CABINET DETAIL

SHEET NO.
REF-2

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REFERENCE SHEET

SITE LOCATIONS:

RSU 301-46.5-SB
RSU 301-47.6-SB
RSU 301-47.8-SB
RSU 301-48.2-NB
RSU 301-48.3-NB
RSU 301-48.9-NB
RSU 301-49.5-NB
RSU 301-50.7-NB

RSU 200-15.2-EB
RSU 200-15.4-WB
RSU 200-15.6-WB
RSU 200-15.9-WB
RSU 200-16.4-WB
RSU 200-16.7-EB

RSU 464-0.2-EB
RSU 464-0.7-WB

RSU 40-24.5-EB

RSU 326-13.0-EB
RSU 326-13.8-WB

NOTE:
SEE FIBER SPLICING DIAGRAM FOR CONNECTION OF ETHERNET SWITCH TO FIBER OPTIC NETWORK.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DALE W. CODY, P.E.
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525 TECHNOLOGY PARK, SUITE 153
LAKE MARY, FLORIDA 32746
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

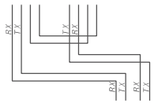
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	SUMTER MARION	440900-1-52-01 440900-2-52-01

WIRING DIAGRAM

SHEET NO.
REF-3

LEGEND

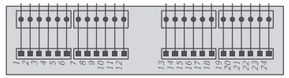
- BUFFER TUBE
- PROPOSED FIBER
- EXISTING FIBER
- PROPOSED FUSION SPLICE
- EXISTING FUSION SPLICE
- PROPOSED FUSION BUTT SPLICE (COLOR TO COLOR)
- EXISTING FUSION BUTT SPLICE (COLOR TO COLOR)
- BREAK EXISTING FUSION SPLICE
- EXISTING PRETERMINATED CONNECTOR ASSEMBLY
- PROPOSED PRETERMINATED CONNECTOR ASSEMBLY
- UNTERMINATED FIBER



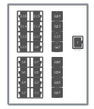
SM JUMPER PAIRS



EXISTING FIELD ETHERNET SWITCH



FIELD TERMINATED PATCH PANEL



FIELD ETHERNT SWITCH (1 GIGABIT)

REFERENCE SHEET

SPLICE VAULT
SPLICE ENCLOSURE

MATCHLINE SR 326-B (SEE SHEET IT-332)

96SM FOC (SR 326)

BL (1-12)
OR (13-24)
GR (25-36)
BR (37-48)
SL (49-60)
WH (61-72)
RD (73-84)
BK (85-96)

1 - BLUE
2 - ORANGE
3 - GREEN
4 - BROWN
5 - SLATE
6 - WHITE
7 - RED
8 - BLACK
9 - YELLOW
10 - VIOLET
11 - ROSE
12 - AQUA
13 - BLUE
14 - ORANGE
15 - GREEN
16 - BROWN
17 - SLATE
18 - WHITE
19 - RED
20 - BLACK
21 - YELLOW
22 - VIOLET
23 - ROSE
24 - AQUA
25 - BLUE
26 - ORANGE
27 - GREEN
28 - BROWN
29 - SLATE
30 - WHITE
31 - RED
32 - BLACK
33 - YELLOW
34 - VIOLET
35 - ROSE
36 - AQUA
37 - BLUE
38 - ORANGE
39 - GREEN
40 - BROWN
41 - SLATE
42 - WHITE
43 - RED
44 - BLACK
45 - YELLOW
46 - VIOLET
47 - ROSE
48 - AQUA

RX
TX
SPARE
SPARE

TX RX
RX TX
SPARE SPARE
SPARE SPARE

PROPOSED 24SM FOC DROP

SIGNAL CABINET
SR 326 @ I-75 SB RAMP/NW 44TH AVE
STA. 8991+67, RT
(RSU 326-13.0-EB)

SIGNAL CABINET
SR 326 @ I-75 NB RAMP
STA. 9007+32, RT
(RSU 326-13.1-EB)

SIGNAL CABINET
SR 326 @ CR 25A/NW GAINSVILLE RD
STA. 9042+90, LT
(RSU 326-13.8-WB)

MATCHLINE SR 326-A (SEE SHEET IT-330)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DALE W. CODY, P.E.
P.E. LICENSE NUMBER 53995
METRIC ENGINEERING, INC.
525 TECHNOLOGY PARK, SUITE 153
LAKE MARY, FLORIDA 32746
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	SUMTER MARION	440900-1-52-01 440900-2-52-01

SPLICING DIAGRAM

SHEET NO.
REF-4

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SUMTER & MARION COUNTY (SIGNALS & CV)

REFERENCE SHEET

MASTER HUB
I-75 @ SR 44

SIGNAL CABINET
SR 44/W GULF ATLANTIC HWY @
I-75 NB RAMP
STA. 4008+26, LT
(BT 44-8.4-WB)

SIGNAL CABINET
US 301 @
SR 44/W GULF ATLANTIC HWY
STA. 1063+92, RT
(RSU 301-22.4-SB)
(BT 301-22.4-NB)

SIGNAL CABINET
US 301 @
CR 44A/HUEY ST
STA. 1105+76, LT
(RSU 301-23.2-SB)
(BT 301-23.2-SB)

SIGNAL CABINET
US 301 @
CR 466A/CLEVELAND AVE
STA. 1133+84, RT
(RSU 301-23.8-NB)
(BT 301-23.8-NB)

SIGNAL CABINET
US 301 @
CR 462 E
STA. 1202+03, RT
(RSU 301-25.0-NB)
(BT 301-25.0-NB)

SIGNAL CABINET
US 301 @
CR 472
STA. 1293+65, RT
(RSU 301-26.8-NB)
(BT 301-26.8-NB)

SIGNAL CABINET
US 301 @
CR 466
STA. 1361+82, RT
(RSU 301-28.1-NB)
(BT 301-28.1-NB)

SIGNAL CABINET
US 301 @
CR 42/SE 165TH ST
STA. 1561+23, RT
(RSU 301-31.8-NB)
(BT 301-31.8-NB)

SIGNAL CABINET
US 301 @
CR 484/132ND ST RD
STA. 1733+82, LT
(RSU 301-35.1-SB)
(BT 301-35.1-SB)

SIGNAL CABINET
US 301 @
SR 35/US 441/SE BABB RD
STA. 1843+47, LT
(RSU 301-37.2-SB)
(BT 301-37.2-SB)

SIGNAL CABINET
US 301 @
CR 484/SE HAMES RD
STA. 1853+60, RT
(RSU 301-37.4-NB)
(BT 301-37.4-NB)

SIGNAL CABINET
US 301 @
SE 110TH ST
STA. 1899+95, RT
(RSU 301-38.2-NB)
(BT 301-38.2-NB)

SIGNAL CABINET
US 301 @
BELLEVIEW SQUARE
STA. 1912+68, RT
(RSU 301-38.5-NB)
(BT 301-38.5-NB)

SIGNAL CABINET
US 301 @
BELLEVIEW REGIONAL PLAZA
STA. 1935+77, RT
(RSU 301-38.9-NB)
(BT 301-38.9-NB)

SIGNAL CABINET
US 301 @
SE 102ND PL
STA. 1944+50, RT
(RSU 301-39.1-NB)
(BT 301-39.1-NB)

SIGNAL CABINET
US 301 @
SE 95TH ST
STA. 1989+16, RT
(RSU 301-40.0-NB)
(BT 301-40.0-NB)

SIGNAL CABINET
US 301 @
SE 92ND PLACE RD
STA. 2002+18, RT
(RSU 301-40.2-NB)
(BT 301-40.2-NB)

SIGNAL CABINET
US 301 @
CR 328/SE 80TH ST
STA. 2078+23, LT
(RSU 301-41.6-NB & RSU 301-41.6-SB)
(BT 301-41.6-SB)

SIGNAL CABINET
US 301 @
SE 52ND ST
STA. 2195+45, LT
(RSU 301-43.9-SB)
(BT 301-43.9-SB)

SIGNAL CABINET
US 301 @
CR 464A/SE 40 LOOP
STA. 2246+51, RT
(RSU 301-44.8-NB)
(BT 301-44.8-NB)

SIGNAL CABINET
US 301 @
SR 326/NE 70TH ST
STA. 2690+50, LT
(RSU 301-53.2-SB)
(BT 301-53.2-SB)

SIGNAL CABINET
US 301 @
NW 77TH ST
STA. 2717+79, RT
(RSU 301-53.8-NB)

SIGNAL CABINET
US 301 @
CR 329
STA. 2976+14, LT
(RSU 301-58.6-SB)

SIGNAL CABINET
US 441 @
CR 318
STA. 3313+90, LT
(RSU 441-17.0-SB)

SIGNAL CABINET
SR 326 @
CR 25A/NW GAINSVILLE RD
STA. 9042+90, LT
(RSU 326-13.8-WB)

SIGNAL CABINET
SR 326 @
I-75 NB RAMP
STA. 9007+32, RT
(RSU 326-13.1-EB)
(BT 326-13.1-EB)

SIGNAL CABINET
SR 326 @
I-75 SB RAMP/NW 44TH AVE
STA. 8991+67, RT
(RSU 326-13.0-EB)

SIGNAL CABINET
SR 200 @
60TH AVE
STA. 5845+88, RT
(CCTV 200-11.8-WB)

SIGNAL CABINET
US 27 @
60TH AVE
STA. 7882+72, RT
(CCTV 27-15.6-WB)

MARION COUNTY
TMC

MASTER HUB
I-75 @ CR 318

LEGEND

- DISTRIBUTION RING (BLUE BUFFER - BL & OR FIBER)
- DISTRIBUTION RING (BLUE BUFFER - SL & WH FIBER)
- ROAD SIDE UNIT
- BLUETOOTH
- TRAFFIC CONTROLLER
- MMU
- FIELD ETHERNT SWITCH (1 GIGABIT)
- RPM
- CELLULAR MODEM
- CLOSED CIRCUIT TELEVISION (CAMERA)
- DYNAMIC MESSAGE SIGN

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DALE W. CODY, P.E.
P.E. LICENSE NUMBER 53995
METRIC ENGINEERING, INC.
525 TECHNOLOGY PARK, SUITE 153
LAKE MARY, FLORIDA 32746
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	SUMTER MARION	440900-1-52-01 440900-2-52-01

LOGICAL NETWORK

SHEET NO.
REF-5

NGONZALEZ 1/31/2019 9:29:43 PM R:\PROJECT\D5_FRAME\44090015201\its\nwlyit01_logical.dgn

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

FINAL AS-BUILT PLANS

CONTRACT PLANS

FINANCIAL PROJECT ID 435660-2-52-01

(FEDERAL FUNDS)

MARION COUNTY (36180)

STATE ROAD NO.326 (NW. 77TH ST.)

SR 326 (NW. 77TH ST.) AT CR 25A INTERSECTION WIDENING

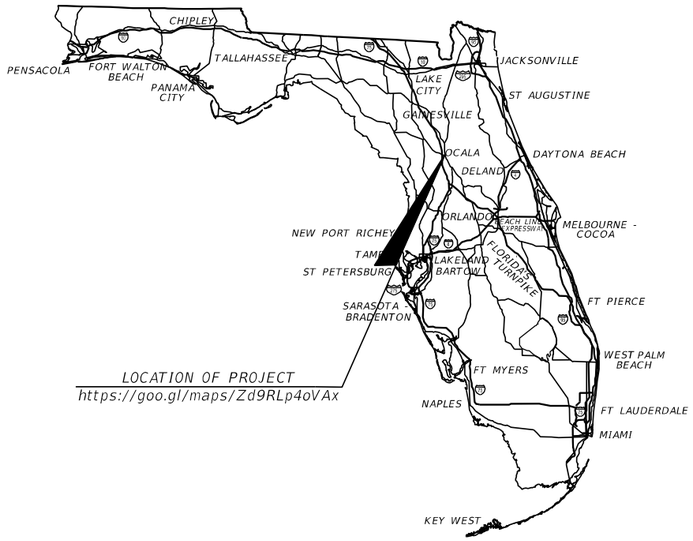
LIGHTING PLANS

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	TABULATION OF QUANTITIES
L-3	GENERAL NOTES
L-4	LIGHTING DATA TABLE AND LEGEND
L-5	LIGHTING PLAN

TOTAL PAGES : 6

SEE SHEET L-1A FINAL "AS-BUILT" SIGNATURE SHEET - FOR CHANGES



PATRICK W. HATTON
LICENSE
No 72302
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED & SEALED BY

Patrick W Hatton

Digitally signed by Patrick W Hatton
Date: 2019.08.24 10:53:59 -04'00'

ON THE DATE ADJACENT TO THE SEAL.

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

Name of Prime Contractor: Heavy Civil Inc.
Name of Prime Consultant: AE Engineering
District Secretary: Jared Perdue, P.E.
Project Administrator: Brian Qualls
Resident Engineer: Christopher Nolen, P.E.
Project Manager: Denise Larkin
Work Started: March 12, 2020
Work Final Accepted: January 20, 2021

LIGHTING PLANS
ENGINEER OF RECORD:

PATRICK W. HATTON, P.E.
P.E. NO.: 72302
SRD, INC.
3812 COCONUT PALM DR., STE. 100
TAMPA, FL 33619
CONTRACT NO.: C-9K73
VENDOR NO.: 65-1080679
CERTIFICATE OF AUTHORIZATION NO.: 00008828

FDOT PROJECT MANAGER:

ELIODE JOSEPH, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T5674	20	L-1

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Christopher G Nolen

Digitally signed by Christopher G Nolen
Date: 2021.02.18 15:58:58 -05'00'

CHRISTOPHER G. NOLEN LICENSE No. 74690 STATE OF FLORIDA PROFESSIONAL ENGINEER

STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 74690

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY Christopher G. Nolen, P.E.
ON THE DATE INDICATED HERE

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

AE ENGINEERING, INC.
219 N. NEWNAN STREET, FOURTH FLOOR
JACKSONVILLE, FLORIDA 32202
CERTIFICATION OF AUTHORIZATION: 27212

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING CHANGES, INDICATED IN RED LINE REVISION, IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C. THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THESE PLANS AS PROVIDED BY THE ENIGEER OF RECORD.

SHEET CHANGES

TABULATION OF QUANTITIES - LIGHTING PLANS
SHEET(S) L-2 - ADDED FINAL QUANTITIES

Date	Name	Position (Title)	Review Type, If Applicable
RESIDENT OFFICE			
06/02/2020	Rafael Castro (30% QAR)	CSS	OA
DISTRICT OFFICE			
11/20/2020	Angela Mann (60% Review)	CSS II	OC

REVISIONS				
	DATE	DESCRIPTION	DATE	DESCRIPTION

AE ENGINEERING
2801 SW College Rd.
Unit #21
Ocala, Fl. 34474

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

FINAL "AS-BUILT" SIGNATURE SHEET

SHEET NO.
L-1A

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS L-5 PLAN	L-5 FINAL													TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL
630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	419	416													419	416	419	416
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	253	256													253	256	253	256
635 2 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	13	✓													13	✓	13	✓
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1	✓													1	✓	1	✓
639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	3	✓													3	✓	3	✓
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO 6	LF	2913	✓													2913	✓	2913	✓
715 4 12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	12	✓													12	✓	12	✓
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	12	✓													12	✓	12	✓
	FIELD MEASUREMENT BACK-UP (LIGHTING)EDMS#1474377																			

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

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

SRD, Inc.
3812 Coconut Palm Dr., Ste. 100
Tampa, FL 33619
Certificate No. 00008828
Patrick Wayne Hatton, P.E.
P.E. No. 72302

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 326	MARION	435660-2-52-01

TABULATION OF QUANTITIES

SHEET NO. L-2

GENERAL NOTES

1. CONTRACTOR IS TO ADJUST LIGHTING CONDUIT AND PULL BOXES AROUND EXISTING UTILITIES.

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DEPARTMENT OF TRANSPORTATION

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SR 326	MARION	435660-2-52-01

GENERAL NOTES

SHEET NO.
L-3

POLE DATA

POLE NO.	CIRCUIT	STATION	OFFSET	LUMINAIRE WATTAGE	ARM LENGTH	MOUNTING HEIGHT	TILT	POLE SETBACK*	PAY ITEM
1	A-2	STA. 728+82.60, SR 326	38.18' LT	177 W	10'	35'	0°	2.7'	715 4 12
2	A-2	STA. 729+39.83, SR 326	45.51' RT	177 W	10'	35'	0°	9.8'	715 4 12
3	A-1	STA. 729+42.35, SR 326	53.31' LT	177 W	10'	35'	0°	3.9'	715 4 12
4	A-1	STA. 41+33.81, CA 25A	43.64' LT	177 W	10'	35'	0°	7.9'	715 4 12
5	A-2	STA. 729+87.87, SR 326	49.80' RT	177 W	10'	35'	0°	3.5'	715 4 12
6	A-2	STA. 39+21.67, CA 25A	29.20' LT	177 W	10'	35'	0°	7.5'	715 4 12
7	A-1	STA. 41+33.67, CA 25A	34.64' LT	177 W	10'	35'	0°	9.9'	715 4 12
8	A-1	STA. 730+68.97, SR 326	73.45' RT	177 W	10'	35'	0°	6.1'	715 4 12
9	A-2	STA. 39+01.60, CA 25A	35.70' LT	177 W	10'	35'	0°	10.5'	715 4 12
10	A-2	STA. 730+88.36, SR 326	54.66' RT	177 W	10'	35'	0°	13.0'	715 4 12
11	A-2	STA. 731+31.30, SR 326	33.26' RT	177 W	10'	35'	0'	9.3'	715 4 12
12	A-1	STA. 731+09.38, SR 326	67.83' RT	177 W	10'	35'	0'	7.7'	715 4 12

* POLE SET BACK ARE MEASURED FROM THE FACE OF THE CURB.

LEGEND DESCRIPTION

CONVENTIONAL LIGHT POLE WITH 177 WATTS LED LUMINAIRE. POLES ARE 35-FOOT MOUNTING HEIGHT AND INCLUDE A CONCRETE PAD AROUND POLE AND PULL BOX. TYPE IV SHORT DISTRIBUTION, 4000K, USE AMERICAN ELECTRIC LIGHTING (ATB2 80B LED E70 XXXXX R4) OR EQUIVALENT.

2" CONDUITS (OPEN TRENCH) (#6 AWG)

2" CONDUIT (DIRECTIONAL BORE) (#6 AWG)

ROADSIDE PULL BOX WITH CONCRETE PAD

DESIGN CRITERIA

ROADWAY CLASSIFICATION	ILLUMINATION LEVEL AVERAGE INITIAL FOOT CANDLE		ILLUMINATION UNIFORMITY RATIOS		VEILING LUMINANCE RATIO
UNDIVIDED RURAL PRINCIPLE ARTERIAL	HORIZONTAL (H.F.C)	VERTICAL (V.F.C.)	AVG./MIN.	MAX./MIN.	Lv(max)/Lavg
SIGNALIZED INTERSECTION LIGHTING					
New Reconstruction	3	2.3	4:1 or less	10:1 or less	N/A

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LIGHTING DATA TABLE AND LEGEND

SHEET NO. L-4

POLE NO. 4 CKT. A-1
STA. 41+33.81, 43.64 LT
℄ SURVEY CR 25A
635-2-11 1 EA
715-500-1 1 EA

58 LF 630-2-11
246 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-1

POLE NO. 3 CKT. A-1
STA. 729+42.35, 53.31 LT
℄ SURVEY SR 326
635-2-11 1 EA
715-500-1 1 EA

17 LF 630-2-11
111 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-1
635-2-11 1 EA

TEMPORARY CONST. EASEMENT

1 AS 639-1-122
3 LF 639-2-1
PROPOSED SERVICE POINT
PAID FOR UNDER SIGNALS PLANS

48 LF 630-2-11
204 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-2

Exist. Harmonizing Easement

R/W

POLE NO. 1 CKT. A-2
STA. 728+82.57, 45.09 LT
℄ SURVEY SR 326
635-2-11 1 EA
715-500-1 1 EA

Exist. C&G

SR 326
(NW 77TH ST)
℄ SURVEY SR 326

728 729 730 731 732 733

78 LF 630-2-12
306 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-1

POLE NO. 7 CKT. A-1
STA. 41+33.72, 34.64 RT
℄ SURVEY CR 25A
635-2-11 1 EA
715-500-1 1 EA

80 LF 630-2-11
312 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-1

POLE NO. 8 CKT. A-1
STA. 730+68.97, 73.45 LT
℄ SURVEY SR 326
635-2-11 1 EA
715-500-1 1 EA

41 LF 630-2-11
231 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-1

POLE NO. 12 CKT. A-1
STA. 731+09.38, 67.83 LT
℄ SURVEY SR 326
635-2-11 1 EA
715-500-1 1 EA

R/W

N 12° 53' 48" W
76.92°
76.95°
POT STA. 730+20.15
POT STA. 730+23.33
PI STA. 40+10.49
PI STA. 39+96.44

SCALE: 1" = 40'
0 10 40
Feet

102 LF 630-2-12
378 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-2

POLE NO. 2 CKT. A-2
STA. 729+39.83, 45.51 RT
℄ SURVEY SR 326
635-2-11 1 EA
715-500-1 1 EA

47 LF 630-2-11
213 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-2

POLE NO. 5 CKT. A-2
STA. 729+87.87, 49.81 RT
℄ SURVEY SR 326
635-2-11 1 EA
715-500-1 1 EA

47 LF 630-2-11
213 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-2

POLE NO. 6 CKT. A-2
STA. 39+21.67, 29.20 LT
℄ SURVEY CR 25A
635-2-11 1 EA
715-500-1 1 EA

CR 25A (NW 64TH AVE)
(GAINESVILLE RD)
℄ SURVEY CR 25A

46 LF 630-2-11
245 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-2

POLE NO. 11 CKT. A-2
STA. 731+31.30, 33.25 RT
℄ SURVEY SR 326
635-2-11 1 EA
715-500-1 1 EA

POLE NO. 10 CKT. A-2
STA. 730+88.36, 54.66 RT
℄ SURVEY SR 326
635-2-11 1 EA
715-500-1 1 EA

POLE NO. 9 CKT. A-2
STA. 39+01.60, 35.73 RT
℄ SURVEY CR 25A
635-2-11 1 EA
715-500-1 1 EA

71 LF 630-2-12
285 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-2

32 LF 630-2-11
168 LF 715-1-12
2 #6 AWG INSULATED CONDUCTORS
1 #6 AWG INSULATED CONDUCTORS (GROUND).
CKT. A-2

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LIGHTING PLAN

SHEET NO. L-5