

CONTRACT PLANS COMPONENTS

LIGHTING PLANS

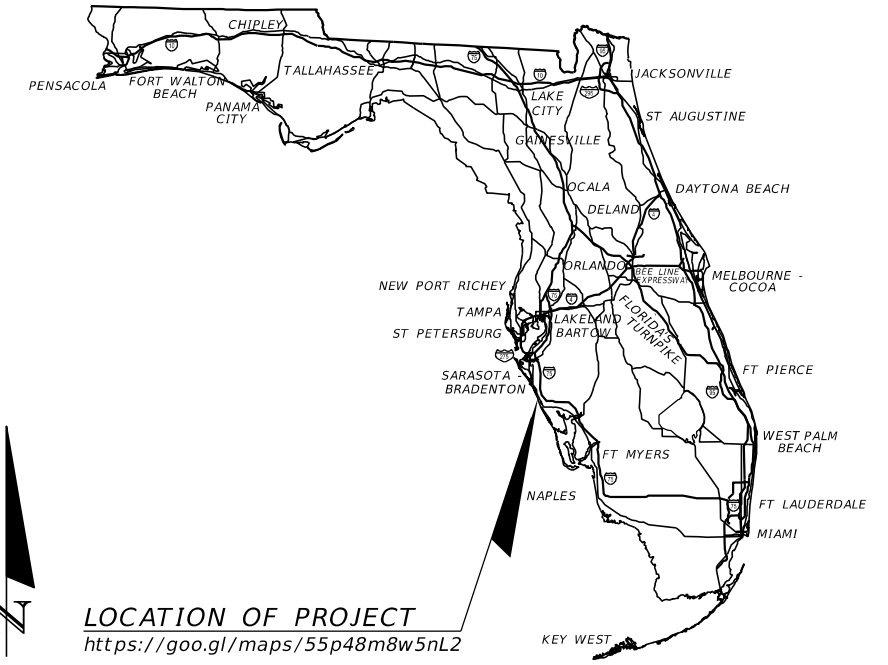
**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

CONTRACT PLANS

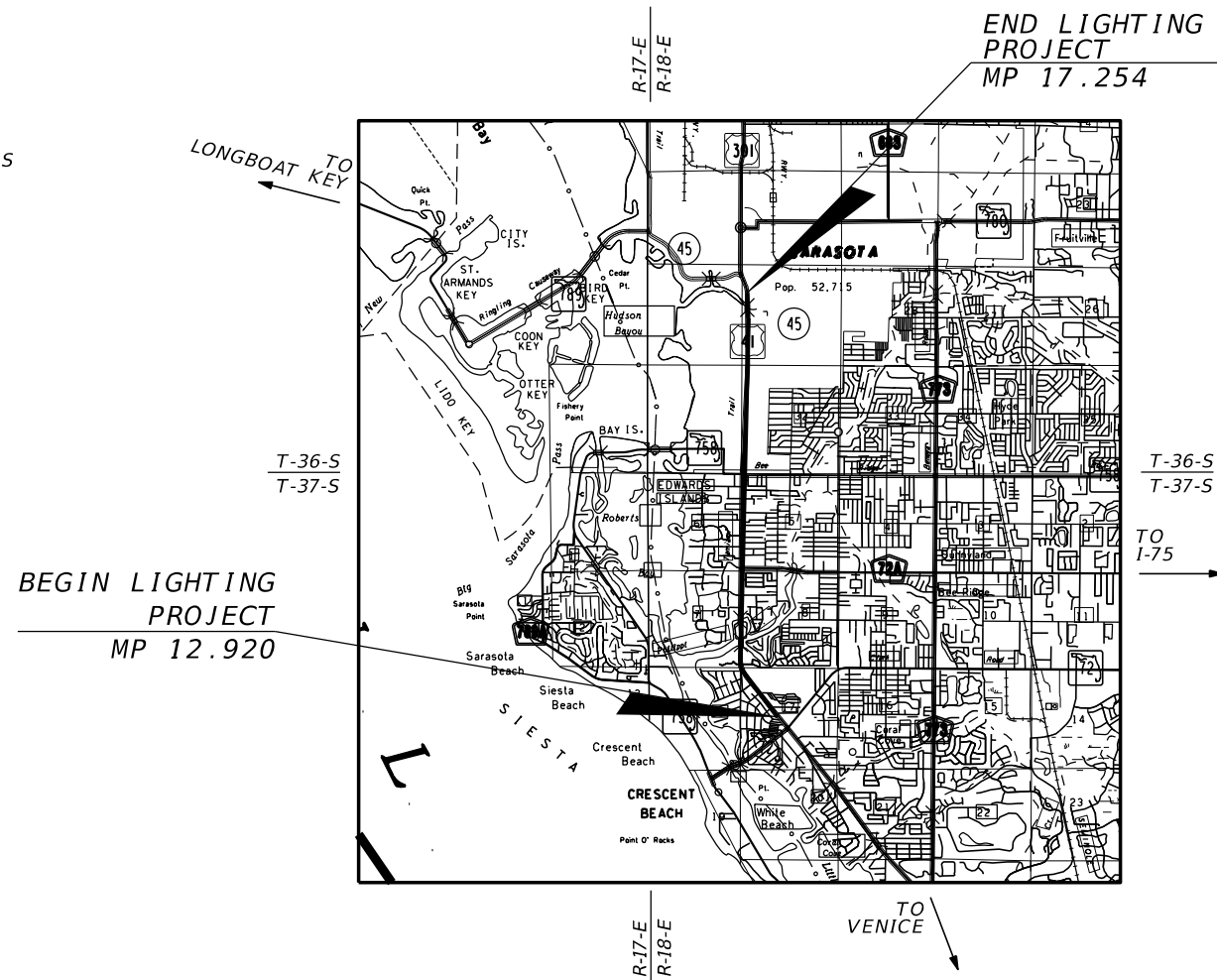
FINANCIAL PROJECT ID 440136-1-52-01
(FEDERAL FUNDS)
SARASOTA COUNTY (17020)
STATE ROAD NO. 45 (US 41/ TAMiami TR.)
PEDESTRIAN LIGHTING RETROFIT

INDEX OF LIGHTING PLANS

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46-58	UTILITY ADJUSTMENTS
SQ-1 - SQ-13	SUMMARY OF QUANTITIES



LOCATION OF PROJECT
<https://goo.gl/maps/55p48m8w5nL2>



**PHASE IV SUBMITTAL
DECEMBER 16, 2019**

LIGHTING PLANS
ENGINEER OF RECORD:

ANIRUDDHA GOTMARE, PE NO.: 54801
SCALAR CONSULTING GROUP INC.
4152 W. BLUE HERON BOULEVARD, SUITE 119
RIVIERA BEACH, FL 33404
(561) 429-5065
CONTRACT NO.: C9T66
VENDOR NO.: 451909667
CERTIFICATE OF AUTHORIZATION NO.: 29560

FDOT PROJECT MANAGER:

MICHAEL JOHNSON, PE

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fl.dot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2020 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fl.dot.gov/programmanagement/Implemented/SpecBooks>

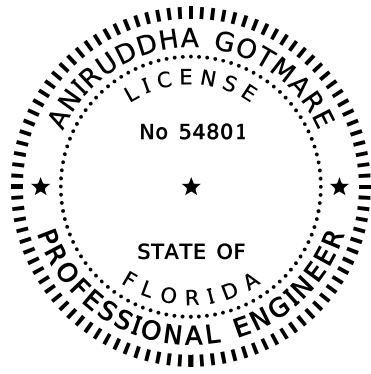
CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1

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

NOTES TO REVIEWER:

1. THIS PROJECT IS PART OF THE STATEWIDE PEDESTRIAN LIGHTING RETROFIT INITIATIVE.
2. THE USE OF AERIAL BACKGROUND WAS APPROVED BY THE DISTRICT DESIGN ENGINEER ON AUGUST 29, 2018.
3. BASELINE SURVEY WAS PROVIDED ONLY AT THE UPPER BEECHWOOD AVE., CONSTITUTION BLVD., PHILLIPI ISLE., PHILLIPI ST., PROCTOR RD., FIELD RD., WORRINGTON ST., AND GLENGARY ST., AND BAY ST. INTERSECTIONS. EXISTING BASELINE SURVEY AT THE INTERSECTIONS OF WEBBER ST., HILLVIEW ST., WALDEMERE ST., BAHIA VISTA ST., AND BAY ST., WAS OBTAINED FROM FPID 421830-1.

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NOTES TO REVIEWER	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	SARASOTA		440136-1-52-01



THIS ITEM HAS BEEN DIGITALLY
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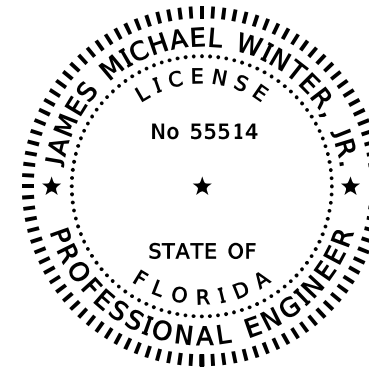
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4152 W. BLUE HERON BOULEVARD, SUITE 119
RIVIERA BEACH, FLORIDA 33404
CERTIFICATE OF AUTHORIZATION NO. 29560
ANIRUDDHA GOTMARE, PE NO. 54801

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

LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
3	SIGNATURE SHEET
4	SUMMARY OF PAY ITEMS
5 - 6	TABULATION OF QUANTITIES
7 - 8	PROJECT LAYOUT
9	GENERAL NOTES
10 - 12	POLE DATA AND LEGEND
13 - 25	LIGHTING PLAN



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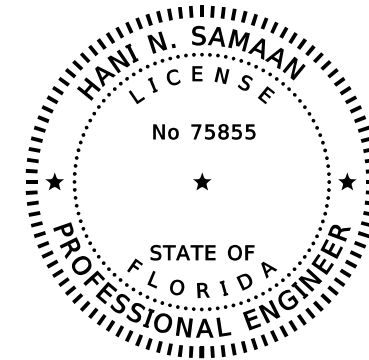
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SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FL 33617
CERTIFICATE OF AUTHORIZATION NO. 29560
JAMES MICHAEL WINTER, JR., PE NO. 55514

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LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
3	SIGNATURE SHEET
32-45	TEMPORARY TRAFFIC CONTROL PLAN
46-58	UTILITY ADJUSTMENTS
SQ-1 - SQ-13	SUMMARY OF QUANTITIES



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SCALAR CONSULTING GROUP INC.
2250 LUCIEN WAY, SUITE 120
MAITLAND, FL 32751
CERTIFICATE OF AUTHORIZATION NO. 29560
HANI N. SAMAN, PE NO. 75855

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

LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
3	SIGNATURE SHEET
26-31	LIGHT POLE SPREAD FOOTING DETAILS

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	SARASOTA	440136-1-52-01	

SIGNATURE SHEET

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 440136-1-52-01						
LEAD PROJECT : 440136-1-52-01		DISTRICT : 01		COUNTY/SECTION : 17020000		
PROJECT(S) : 44013615201		COUNTY : SARASOTA				
0200 SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	44013615201	QUANTITY TOTAL
		0101- 1-	MOBILIZATION 44013615201	LS	1.000	1.000
		0102- 1-	MAINTENANCE OF TRAFFIC 44013615201	(LS)	1.000	1.000
		0102- 4-	PEDESTRIAN SPECIAL DETOUR 44013615201	(LS)	1.000	1.000
		0102- 60-	WORK ZONE SIGN	ED	28800.000	28800.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	5040.000	5040.000
		0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	3120.000	3120.000
		0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	1540.000	1540.000
		0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	1560.000	1560.000
		0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	268.000	268.000
		0104- 10- 3	SEDIMENT BARRIER	LF	157.000	157.000
		0104- 18-	INLET PROTECTION SYSTEM	EA	9.000	9.000
		0107- 1-	LITTER REMOVAL	AC	24.330 N	24.330
		0107- 2-	MOWING	AC	10.640 N	10.640
		0110- 1- 1	CLEARING & GRUBBING 44013615201	(LS)	1.000	1.000
		0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	167.000	167.000
		0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	16.000	16.000
		0520- 2- 4	CONCRETE CURB, TYPE D	LF	8.000	8.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	5.000	5.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY	173.000	173.000
		0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	1.000	1.000
		0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	100.000	100.000
		0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	70.000	70.000
		0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.034	0.034
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 44013615201	LS	1.000 N	1.000

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 440136-1-52-01						
LEAD PROJECT : 440136-1-52-01		DISTRICT : 01		COUNTY/SECTION : 17020000		
PROJECT(S) : 44013615201		COUNTY : SARASOTA				
0400 SUMMARY OF LIGHTING						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	44013615201	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	352.000	352.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	3401.000	3401.000
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	67.000	67.000
		0639- 1-121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	2.000	2.000
		0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	112.000	112.000
		0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	2.000	2.000
		0641- 2- 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL /SERVICE POLE	EA	1.000	1.000
		0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	14019.000	14019.000
		0715- 4- 13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	3.000	3.000
		0715- 4- 14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	10.000	10.000
P		0715- 4- 23	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT	EA	7.000	7.000
P		0715- 4- 24	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 45' MOUNTING HEIGHT	EA	2.000	2.000
P		0715- 4- 31	LIGHT POLE COMPLETE, FURNISH & INSTALL UTILITY CONFLICT POLE, INDEX 17515/715-002 FOUNDATION, 30' MOUNTING HEIGHT	EA	7.000	7.000
P		0715- 4- 41	LIGHT POLE COMPLETE, FURNISH & INSTALL UTILITY CONFLICT POLE, SPECIAL FOUNDATION, 30' MOUNTING HEIGHT	EA	1.000	1.000
		0715- 4- 71	LIGHT POLE COMPLETE, REMOVE POLE, FOUNDATION REMAINS	EA	2.000	2.000
		0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	2.000	2.000
		0715- 7- 41	LOAD CENTER, REMOVE, SECONDARY VOLTAGE	EA	2.000	2.000
		0715- 11-211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE /ARM, ROADWAY, COBRA HEAD	EA	15.000	15.000
		0715- 11-213	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE /ARM, ROADWAY, POLE TOP	EA	13.000	13.000
		0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	30.000	30.000

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL (PER TABLE)	
			13		14		15		16		17		18		19		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF			71		185				21						277	
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	244		309		112		307		211		161		226		1570	
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	6		4		6		5		6		2		5		34	
639-1-121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS																
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA																
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA																
715-1-12	LIGHTING CONDUCTORS. F&I, INSULATED, NO.8-6	LF	996		1356		1155		1185		960		555		918		7125	
715-4-13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA																
715-4-14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	1		2		2		3		2						10	
715-4-23	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT	EA																
715-4-24	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 45' MOUNTING HEIGHT	EA			1								1				2	
715-4-31	LIGHT POLE COMPLETE, FURNISH & INSTALL UTILITY CONFLICT POLE, INDEX 17515/715-002 FOUNDATION, 30' MOUNTING HEIGHT	EA	2				1				1				1		5	
715-4-41	LIGHT POLE COMPLETE, FURNISH & INSTALL UTILITY CONFLICT POLE, SPECIAL FOUNDATION, 30' MOUNTING HEIGHT	EA													1		1	
715-4-71	LIGHT POLE COMPLETE, REMOVE POLE, FOUNDATION REMAINS	EA	1								1						2	
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																
715-7-41	LOAD CENTER, REMOVE, SECONDARY VOLTAGE	EA																
715-11-211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA									1						1	
715-11-213	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, POLE TOP	EA	1		2		1		2		1		2		2		11	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	3		3		3		3		3		1		2		18	

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560			<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 45</td> <td>SARASOTA</td> <td>440136-1-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	SARASOTA	440136-1-52-01	<p align="center">TABULATION OF QUANTITIES (1)</p>		SHEET NO. <p align="center">5</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																							
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
SR 45	SARASOTA	440136-1-52-01																								

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL (PER TABLE)		GRAND TOTAL	
			20		21		22		23		24		25		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF			75										75		352	
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	149		454			340		407			302		179		1831	3401
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	3		8			5		8			6		3		33	67
639-1-121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS			1					1					2			2
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF			96					16					112			112
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA			1					1					2			2
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA								1					1			1
715-1-12	LIGHTING CONDUCTORS. F&I, INSULATED, NO.8-6	LF	567		1635			1212		1533			1146		801		6894	14019
715-4-13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA						1		1			1		3			3
715-4-14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA																10
715-4-23	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT	EA	1		1			1		2			1		1		7	7
715-4-24	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 45' MOUNTING HEIGHT	EA																2
715-4-31	LIGHT POLE COMPLETE, FURNISH & INSTALL UTILITY CONFLICT POLE, INDEX 17515/715-002 FOUNDATION, 30' MOUNTING HEIGHT	EA			2										2			7
715-4-41	LIGHT POLE COMPLETE, FURNISH & INSTALL UTILITY CONFLICT POLE, SPECIAL FOUNDATION, 30' MOUNTING HEIGHT	EA																1
715-4-71	LIGHT POLE COMPLETE, REMOVE POLE, FOUNDATION REMAINS	EA																2
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA			1					1					2			2
715-7-41	LOAD CENTER, REMOVE, SECONDARY VOLTAGE	EA			1					1					2			2
715-11-211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA			2			2		2			2		6		14	15
715-11-213	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, POLE TOP	EA	2												2			13
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	1		3			2		3			2		1		12	30

PAY ITEM NOTES:

715-4-31 INCLUDES THE COST TO DESIGN, FABRICATE, AND INSTALL THE UTILITY CONFLICT POLE, INCLUDING FOUNDATIONS, IN ACCORDANCE WITH FDOT STRUCTURES MANUAL AND THE GENERAL NOTES OF STANDARD PLANS INDEX 715-002. THIS IS CONSIDERED AS A NON-STANDARD LIGHT POLE.

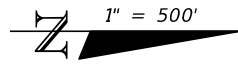
715-4-70 EXISTING LIGHT POLES TO BE REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED OF IN AREAS PROVIDED BY THE CONTRACTOR.

715-7-41 REMOVAL INCLUDES EXISTING LOAD CENTER PANEL ONLY. EXISTING SERVICE POLE TO REMAIN.

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	SARASOTA	440136-1-52-01	

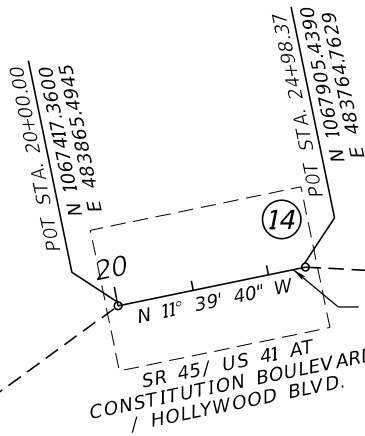
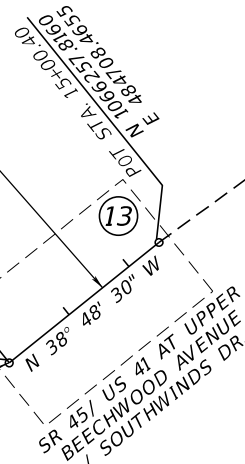
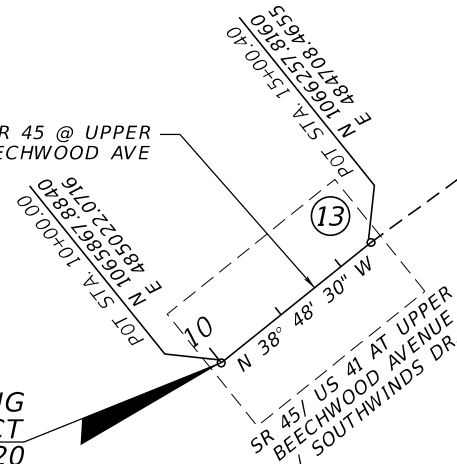
TABULATION OF QUANTITIES (2)

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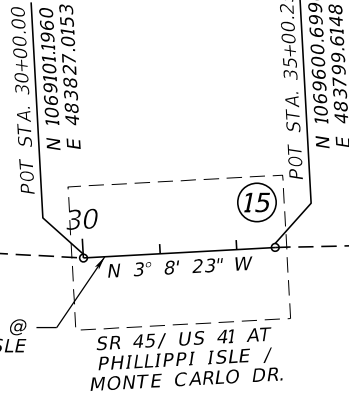
BEGIN LIGHTING PROJECT
MP 12.920

SURVEY SR 45 @ UPPER BEECHWOOD AVE



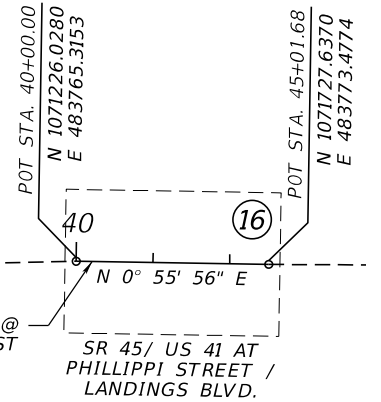
SURVEY SR 45 @ CONSTITUTION BLVD

SURVEY SR 45 @ PHILLIPPI ISLE



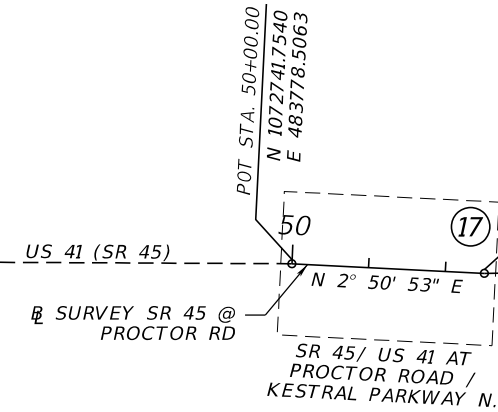
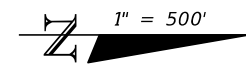
SR 45/ US 41 AT PHILLIPPI ISLE / MONTE CARLO DR.

SURVEY SR 45 @ PHILLIPPI ST



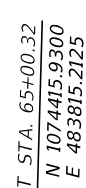
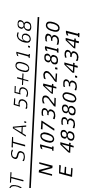
SR 45/ US 41 AT PHILLIPPI STREET / LANDINGS BLVD.

(X) = SHEET NUMBER



SURVEY SR 45 @ PROCTOR RD

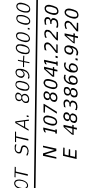
SR 45/ US 41 AT PROCTOR ROAD / KESTRAL PARKWAY N.



SURVEY SR 45 @ WORRINGTON ST

SURVEY SR 45 @ GLENGARY ST

SURVEY SR 45 @ GLENGARY ST



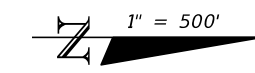
SURVEY SR 45

MATCHLINE STA. 821+00.00

CURVE DATA CURVE1
 PI STA. = 810+31.40
 Δ = 2° 13' 16" (RT) CURVE1
 D = 2° 00' 00"
 T = 55.54
 L = 111.06
 R = 2,864.79
 PC STA. = 809+75.86
 PT STA. = 810+86.92

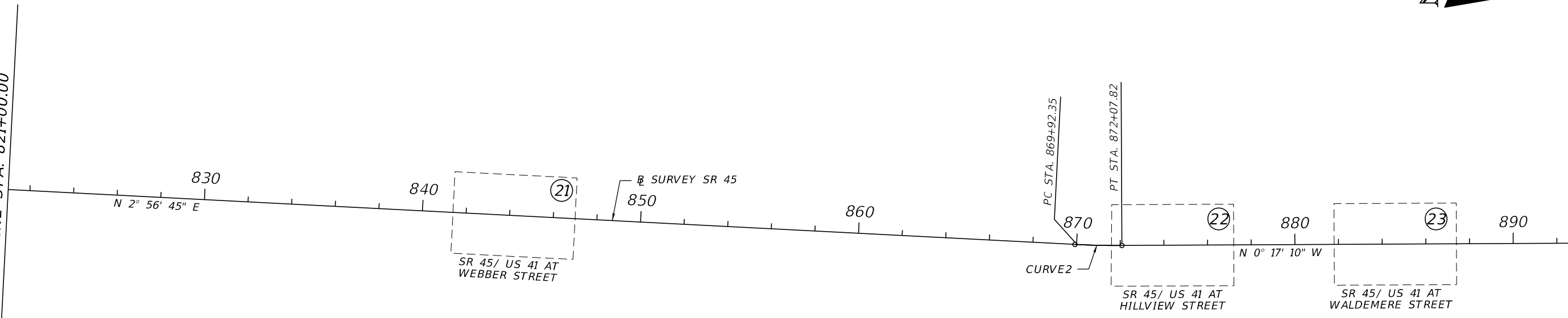
(X) = SHEET NUMBER

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		



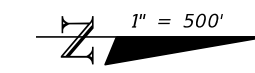
MATCHLINE STA. 821+00.00

MATCHLINE STA. 893+00.00

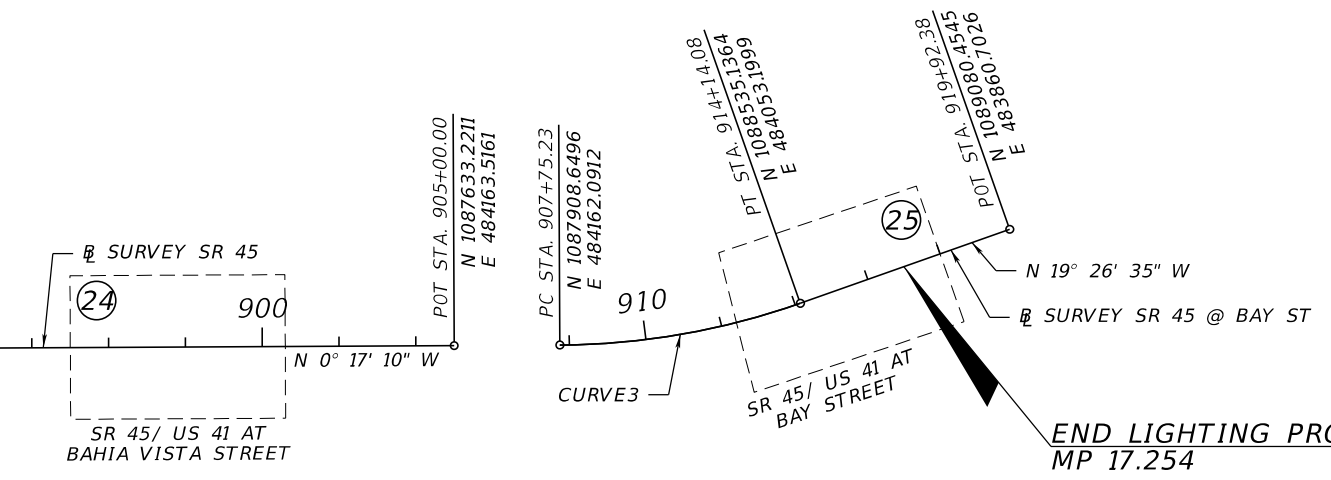


CURVE DATA CURVE2
 PI STA. = 871+00.12
 Δ = 3° 13' 55" (LT)
 D = 1° 30' 00"
 T = 107.76
 L = 215.47
 R = 3,819.72
 PC STA. = 869+92.35
 PT STA. = 872+07.82

(X) = SHEET NUMBER



MATCHLINE STA. 893+00.00



CURVE DATA CURVE3
 PI STA. = 910+97.67
 Δ = 19° 09' 56" (LT)
 D = 3° 00' 00"
 T = 322.44
 L = 638.85
 R = 1,909.86
 PC STA. = 907+75.23
 PT STA. = 914+14.08

END LIGHTING PROJECT
 MP 17.254

(X) = SHEET NUMBER

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (2)	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		

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

GENERAL NOTES

1. 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. EXISTING CIRCUITRY, AS DEPICTED IN PLANS, IS SHOWN FOR INFORMATIONAL PURPOSES AND WAS OBTAINED FROM AS-BUILT PLANS. THE LOCATION OF THE EXISTING CONDUIT RUNS SHOULD BE CONSIDERED APPROXIMATE ONLY.
3. THE AGENCY RESPONSIBLE FOR THE MAINTENANCE OF LIGHTING EQUIPMENT AT THE INTERSECTIONS OF: WEBBER ST., HILLVIEW ST., WALDEMERE ST., BAHIA VISTA ST., AND BAY ST., IS:

CITY OF SARASOTA PUBLIC WORKS DEPARTMENT
 1761 12TH STREET, SARASOTA, FLORIDA 34236
 THE POINT OF CONTACT WAS MR. JAN WIERCINSKI
 TEL: (941)-365-7870, EMAIL: JAN.WIERCINSKI@SARASOTAGOV.COM

4. THE AGENCY RESPONSIBLE FOR THE MAINTENANCE OF LIGHTING EQUIPMENT AT THE INTERSECTIONS OF: UPPER BEECHWOOD AVE./SOUTHWINDS DR., CONSTITUTION BLVD./HOLLYWOOD BLVD., PHILLIPPI ISLE/MONTE CARLO DR., PHILLIPPI ST./LANDINGS BLVD., PROCTOR RD./KESTRAL PARKWAY N., FIELD RD., WORRINGTON ST., AND GLENGARY ST. IS:

SARASOTA COUNTY PUBLIC WORKS DEPARTMENT
 1660 RINGLING BLVD., SARASOTA, FLORIDA 34236
 THE POINT OF CONTACT WAS MS. JOYCE GOGOLA
 TEL: (941)-861-5000, EMAIL: JGOGOLA@SCGOV.NET

UTILITY AGENCY OWNER	CONTACT	TELEPHONE NUMBER	EMAIL ADDRESS
BLACK & VEATCH			COLEA@BV.COM
CITY OF SARASOTA	GERALD BOYCE	941-955-2325 X.6104	GERALD.BOYCE@SARASOTAFLGOV
COMCAST	GONZALO ROJAS	941-342-3578	GONZALO_ROJAS@CABLE.COMCAST.COM
CROWN CASTLE	DANNY HASKETT	786-610-7073	DANNY.HASKETT@CROWNCastle.COM
FLORIDA POWER & LIGHT	GREG COKER	941-723-4430	GREG.COKER@FPL.COM
FRONTIER COMMUNICATIONS	DENISE HUTTON	941-906-6722	DENISE.HUTTON@FTR.COM
LEVEL 3	MICHAEL NUNEZ	N/A	MICHAEL.NUNEZ@LEVEL3.COM
MCI	CHUCK CZUMAK	N/A	CHUCK.CZUMAK@VERIZON.COM
SARASOTA COUNTY TRAFFIC	MARK RICHMOND	941-861-0944	MRIKHMON@SCGOV.NET
SARASOTA COUNTY - UTILITIES	MICHAEL MEHAN	941-861-0582	MMEHAN@SCGOV.NET
TECO - PEOPLES GAS	DANNY SHANAHAN	941-342-4006	DJSHANAHAN@TECOENERGY.COM

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	SARASOTA	440136-1-52-01	GENERAL NOTES

LEGEND

LABEL	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
A		327 WATTS, 35900 LUMENS LIGHT EMITTING DIODE (LED) LIGHT POLE COMPLETE. DESIGNED FOR TYPE III VERY SHORT DISTRIBUTION, 605MA LED DRIVER, 4000K COLOR TEMPERATURE, WIRED FOR 480 VOLT OPERATION. LIGHTING DESIGN BASED ON MANUFACTURER: GE LIGHTING SOLUTIONS EVOLVE SERIES EALP01 (PHOTOMETRIC CURVE NUMBER EALP01_L3AW740_.IES).		PULL BOX WITH CONCRETE SLAB
B		327 WATTS, 35900 LUMENS LED DESIGNED FOR TYPE III VERY SHORT DISTRIBUTION, 605MA LED DRIVER, 4000K COLOR TEMPERATURE, WIRED FOR 480 VOLT OPERATION. REPLACE EXISTING LUMINAIRE ON EXISTING LIGHT POLE. LIGHTING DESIGN BASED ON MANUFACTURER: GE LIGHTING SOLUTIONS EVOLVE SERIES EALP01 (PHOTOMETRIC CURVE NUMBER EALP01_L3AW740_.IES).		PROPOSED LOAD CENTER (SEE PLANS FOR MORE DETAIL) SYMBOL INCLUDES METER (TO BE FURNISHED BY POWER COMPANY) AND EXISTING PRESTRESSED CONCRETE SERVICE POLE
C		254 WATTS, 29991 LUMENS LED LIGHT POLE COMPLETE. DESIGNED FOR TYPE III MEDIUM DISTRIBUTION, 1300MA LED DRIVER, 4000K COLOR TEMPERATURE. WIRED FOR 480 VOLT OPERATION. LIGHTING DESIGN BASED ON MANUFACTURER: AMERICAN ELECTRIC LIGHTING ATB2 60BLEDE13 (PHOTOMETRIC CURVE NUMBER ATB2_60BLEDE13_XXXXX_R3_4K/5K.IES).		2" SCHEDULE 40 PVC CONDUIT, UNLESS OTHERWISE NOTED IN THE PLANS, OPEN TRENCH. TWO (2) 2" HDPE CONDUITS UNLESS OTHERWISE NOTED IN THE PLANS, ONE ACTIVE AND ONE SPARE, DIRECTIONAL BORE UNDER EXISTING ROADWAY. EXTEND CONDUITS BEYOND EDGE OF PAVEMENT (BOTH SIDES) AND TERMINATE IN PULL BOXES. THE CONDUIT AND THE TRANSITION COUPLING SHALL BE UL LISTED.
D		254 WATTS, 29991 LUMENS LED DESIGNED FOR MEDIUM TYPE III MEDIUM DISTRIBUTION, 1300MA LED DRIVER, 4000K COLOR TEMPERATURE, WIRED FOR 480 VOLT OPERATION. REPLACE EXISTING LUMINAIRE ON EXISTING LIGHT POLE. LIGHTING DESIGN BASED ON MANUFACTURER: AMERICAN ELECTRIC LIGHTING ATB2 60BLEDE13 (PHOTOMETRIC CURVE NUMBER ATB2_60BLEDE13_XXXXX_R3_4K/5K.IES).		EXISTING CONDUIT AND CONDUCTORS (TO REMAIN) (AS SHOWN IN AS-BUILT PLANS AND OTHER INFORMATION PROVIDED BY MAINTAINING AGENCIES)
E		254 WATTS, 29991 LUMENS LED DESIGNED FOR MEDIUM TYPE III MEDIUM DISTRIBUTION, 1300MA LED DRIVER, 4000K COLOR TEMPERATURE, WIRED FOR 120/240 VOLT OPERATION. REPLACE EXISTING LUMINAIRE ON EXISTING SIGNAL POLE. LIGHTING DESIGN BASED ON MANUFACTURER: AMERICAN ELECTRIC LIGHTING ATB2 60BLEDE13 (PHOTOMETRIC CURVE NUMBER ATB2_60BLEDE13_XXXXX_R3_4K/5K.IES).		SEDIMENT BARRIER
F		171 WATTS, 19462 LUMENS UTILITY CONFLICT POLE COMPLETE. DESIGNED FOR TYPE III MEDIUM DISTRIBUTION, 1300MA LEDDRIVER, 4000K COLOR TEMPERATURE, WIRED FOR 480 VOLT OPERATION. LIGHTING DESIGN BASED ON MANUFACTURER: AMERICAN ELECTRIC LIGHTING ATB2 40BLEDE13 (PHOTOMETRIC CURVE NUMBER ATB2_40BLEDE13_XXXXX_R3_4K/5K.IES).		INLET PROTECTION SYSTEM

	EXISTING LIGHT POLE, POLE TOP (TO REMAIN)
	EXISTING LIGHT POLE, COBRA HEAD (TO REMAIN)
	EXISTING LIGHT POLE, COBRA HEAD (TO BE REMOVED)
	EXISTING LIGHT POLE, COBRA HEAD, DUAL ARM (TO REMAIN)

INTERSECTION RETROFIT LIGHTING DESIGN CRITERIA

INTERSECTION ILLUMINATION LEVEL (H.F.C.)	1.5 STD. 1.0 MIN.
CROSSWALK ILLUMINATION LEVEL (V.F.C.)	1.5 STD. 1.0 MIN.
UNIFORMITY RATIO AVG./MIN.	10:1 OR LESS
MAX./MIN.	4:1 OR LESS
WIND SPEED	160 MPH

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	SARASOTA	440136-1-52-01	

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

POLE DATA

POLE NO.	LOAD CENTER	CIRCUIT	LABEL	STATION	POLE SETBACK	MOUNTING HEIGHT	ARM LENGTH	LUMINAIRE WATTAGE	ORIENTATION (DEGREES) (SEE SCHEMATIC ON SHEET NO. 11)	PAY ITEM	DESIGN NOTES
SR 45 AT UPPER BEECHWOOD AVE. / SOUTHWINDS DR.											
1	EXIST. A	EXIST. A-1	A	11+40	53' RT.	45'	POLE TOP	327	219	715-4-14	MEASURED FROM B SURVEY SR 45 @ UPPER BEECHWOOD AVE.
2	EXIST. A	EXIST. A-2	F	12+24	92' LT.	30'	15'	171	130	715-4-31	
EXIST. 12-A-2	EXIST. A	EXIST. A-2	B	12+81	51' RT.	50'	POLE TOP	327	EXIST.	715-11-213	
3	EXIST. A	EXIST. A-2	F	13+13	49' LT.	30'	15'	171	40	715-4-31	
SR 45 AT CONSTITUTION BLVD. / HOLLYWOOD BLVD.											
EXIST. 24-A-3	EXIST. A	EXIST. A-3	B	21+73	34' RT.	50'	POLE TOP	327	EXIST.	715-11-213	MEASURED FROM B SURVEY SR 45 @ CONSTITUTION BLVD.
4*	EXIST. A	EXIST. A-3	A	21+73	87' LT.	45'	POLE TOP	327	0	715-4-24	
5	EXIST. A	EXIST. A-3	A	22+79	56' RT.	45'	POLE TOP	327	270	715-4-14	
EXIST. 25-A-3	EXIST. A	EXIST. A-3	B	23+45	39' RT.	50'	POLE TOP	327	EXIST.	715-11-213	
6	EXIST. A	EXIST. A-3	A	23+69	78' LT.	45'	POLE TOP	327	0	715-4-14	
SR 45 AT PHILLIPI ISLE / MONTE CARLO DR.											
7	EXIST. A	EXIST. A-4	A	31+46	55' RT.	45'	POLE TOP	327	180	715-4-14	MEASURED FROM B SURVEY SR 45 @ PHILLIPPI ISLE
EXIST. 35-A-4	EXIST. A	EXIST. A-4	B	32+13	58' RT.	50'	POLE TOP	327	EXIST.	715-11-213	
8	EXIST. A	EXIST. A-4	A	32+81	84' RT.	45'	POLE TOP	327	270	715-4-14	
9	EXIST. A	EXIST. A-4	F	33+29	44' LT.	30'	15'	171	0	715-4-31	
SR 45 AT PHILLIPI ST. / LANDINGS BLVD.											
EXIST. 47-B-1	EXIST. B	EXIST. B-1	B	41+06	58' RT.	50'	POLE TOP	327	180	715-11-213	MEASURED FROM B SURVEY SR 45 @ PHILLIPPI ST.
10	EXIST. B	EXIST. B-1	A	42+10	118' LT.	45'	POLE TOP	327	90	715-4-14	
11	EXIST. B	EXIST. B-1	A	42+32	117' RT.	45'	POLE TOP	327	90	715-4-14	
EXIST. 48-B-1	EXIST. B	EXIST. B-1	B	43+06	58' RT.	50'	POLE TOP	327	EXIST.	715-11-213	
12	EXIST. B	EXIST. B-1	A	43+52	65' LT.	45'	POLE TOP	327	0	715-4-14	
SR 45 AT PROCTOR RD. / KESTRAL PARKWAY N.											
13	EXIST. B	EXIST. B-2	A	51+72	66' RT.	45'	POLE TOP	327	180	715-4-14	MEASURED FROM B SURVEY SR 45 @ PROCTOR RD.
14	EXIST. B	EXIST. B-2	A	52+86	102' LT.	45'	POLE TOP	327	270	715-4-14	
EXIST. A-1-1	EXIST. A	EXIST. A-1	D	52+94	108' RT.	40'	12'	254	EXIST.	715-11-211	
15	EXIST. B	EXIST. B-2	F	53+51	57' LT.	30'	15'	171	0	715-4-31	
EXIST. 58-B-2	EXIST. B	EXIST. B-2	B	53+52	55' RT.	50'	POLE TOP	327	EXIST.	715-11-213	
SR 45 AT FIELD RD.											
EXIST. 64-B-2	EXIST. B	EXIST. B-2	B	61+66	51' RT.	50'	POLE TOP	327	EXIST.	715-11-213	MEASURED FROM B SURVEY SR 45 @ FIELD RD.
16*	EXIST. B	EXIST. B-2	A	62+21	83' LT.	45'	POLE TOP	327	90	715-4-24	
EXIST. 65-B-2	EXIST. B	EXIST. B-2	B	63+23	47' RT.	50'	POLE TOP	327	EXIST.	715-11-213	
SR 45 AT WORRINGTON ST.											
EXIST. 72-B-3	EXIST. B	EXIST. B-3	B	71+42	47' RT.	50'	POLE TOP	327	180	715-11-213	MEASURED FROM B SURVEY SR 45 @ WORRINGTON ST.
17	EXIST. B	EXIST. B-3	F	72+34	109' RT.	30'	15'	171	90	715-4-31	
EXIST. 73-B-3	EXIST. B	EXIST. B-3	B	73+01	46' RT.	50'	POLE TOP	327	EXIST.	715-11-213	
18*	EXIST. B	EXIST. B-3	F	73+27	57' LT.	30'	15'	171	0	715-4-41	
SR 45 AT GLENGARY ST.											
EXIST. 80-B-4	EXIST. B	EXIST. B-4	B	81+47	59' RT.	50'	POLE TOP	327	180	715-11-213	MEASURED FROM B SURVEY SR 45 @ GLENGARY ST.
19	EXIST. B	EXIST. B-4	F	82+74	83' LT.	30'	15'	171	270	715-4-31	
EXIST. 81-B-4	EXIST. B	EXIST. B-4	B	83+19	57' RT.	50'	POLE TOP	327	EXIST.	715-11-213	

* SPECIAL FOUNDATION

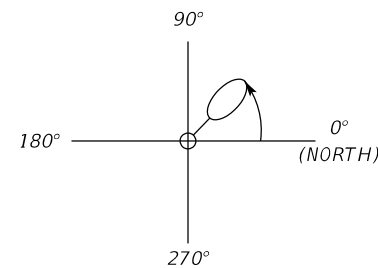
REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POLE DATA AND LEGEND (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		11

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

POLE DATA											
POLE NO.	LOAD CENTER	CIRCUIT	LABEL	STATION	POLE SETBACK	MOUNTING HEIGHT	ARM LENGTH	LUMINAIRE WATTAGE	ORIENTATION (DEGREES) (SEE SCHEMATIC ON THIS SHEET)	PAY ITEM	DESIGN NOTES
SR 45 AT WEBBER ST.											
EXIST-012	A	EXIST. A-2	D	844+24	43' LT.	35'	12'	254	EXIST.	715-11-211	MEASURED FROM SURVEY SR 45
20	A	EXIST. A-2	F	844+84	116' LT.	30'	15'	171	270	715-4-31	
21	EXIST. C	EXIST. C-2	F	845+07	66' RT.	30'	15'	171	270	715-4-31	
22*	A	EXIST. A-2	C	845+61	49' LT.	40'	12'	254	0	715-4-23	
EXIST-12	EXIST. C	EXIST. C-2	D	845+95	40' RT.	35'	12'	254	EXIST.	715-11-211	
SR 45 AT HILLVIEW ST.											
EXIST-21	B	EXIST. B-1	D	873+15	41' RT.	35'	12'	254	EXIST.	715-11-211	MEASURED FROM SURVEY SR 45
23	B	EXIST. B-3	C	873+86	115' LT.	40'	12'	254	90	715-4-13	
24*	B	EXIST. B-1	C	874+02	86' RT.	40'	12'	254	90	715-4-23	
EXIST-022	B	EXIST. B-3	D	875+04	59' LT.	35'	12'	254	EXIST.	715-11-211	
SR 45 AT WALDEMERE ST.											
25*	B	EXIST. B-1	C	883+50	49' RT.	40'	12'	254	180	715-4-23	MEASURED FROM SURVEY SR 45
EXIST-S1***	EXIST. SIGNAL	EXIST. SIGNAL	E	883+68	55' LT.	35'	12'	254	EXIST.	715-11-211	
26*	B	EXIST. B-3	C	883+76	100' LT	40'	12'	254	90	715-4-23	
27	B	EXIST. B-2	C	884+09	72' RT.	40'	12'	254	90	715-4-13	
EXIST-25	B	EXIST. B-2	D	885+39	42' RT.	35'	12'	254	EXIST.	715-11-211	
SR 45 AT BAHIA VISTA ST.											
EXIST-29	B	EXIST. B-2	D	897+32	41' RT.	35'	12'	254	EXIST.	715-11-211	MEASURED FROM SURVEY SR 45
28*	B	EXIST. B-2	C	898+12	81' RT.	40'	12'	254	270	715-4-23	
29	B	EXIST. B-4	C	898+09	100' LT.	40'	12'	254	270	715-4-13	
EXIST-029	B	EXIST. B-4	D	898+96	44' LT.	35'	12'	254	EXIST.	715-11-211	
SR 45 AT BAY ST.											
30*	B	EXIST. B-2	C	913+80	47' RT.	40'	12'	254	199	715-4-23	MEASURED FROM SURVEY SR 45 @ BAY ST.
EXIST-034	B	EXIST. B-4	D	914+06	57' LT.	35'	12'	254	EXIST.	715-11-211	
EXIST. 2-2**	EXIST. SIGNAL ID 908	EXIST. SIGNAL	E	914+60	52' RT.	30'	15'	254	EXIST.	715-11-211	
EXIST. 2-3**	EXIST. SIGNAL ID 908	EXIST. SIGNAL	E	914+83	64' LT.	30'	15'	254	EXIST.	715-11-211	
EXIST. 2-1**	EXIST. SIGNAL ID 908	EXIST. SIGNAL	E	915+42	58' RT.	30'	15'	254	EXIST.	715-11-211	
EXIST. 2-4**	EXIST. SIGNAL ID 908	EXIST. SIGNAL	E	915+71	65' LT.	30'	15'	254	EXIST.	715-11-211	
EXIST-035	B	EXIST. B-4	D	916+65	64' LT.	35'	12'	254	14	715-11-211	

- * SPECIAL FOUNDATION
- ** LUMINAIRE MOUNTED ON JOINT-USE SIGNAL POLE (MAST ARM).
- *** LUMINAIRE MOUNTED ON JOINT-USE SIGNAL POLE (MAST ARM). FURNISH AND INSTALL BLACK-COLORED LUMINAIRE.

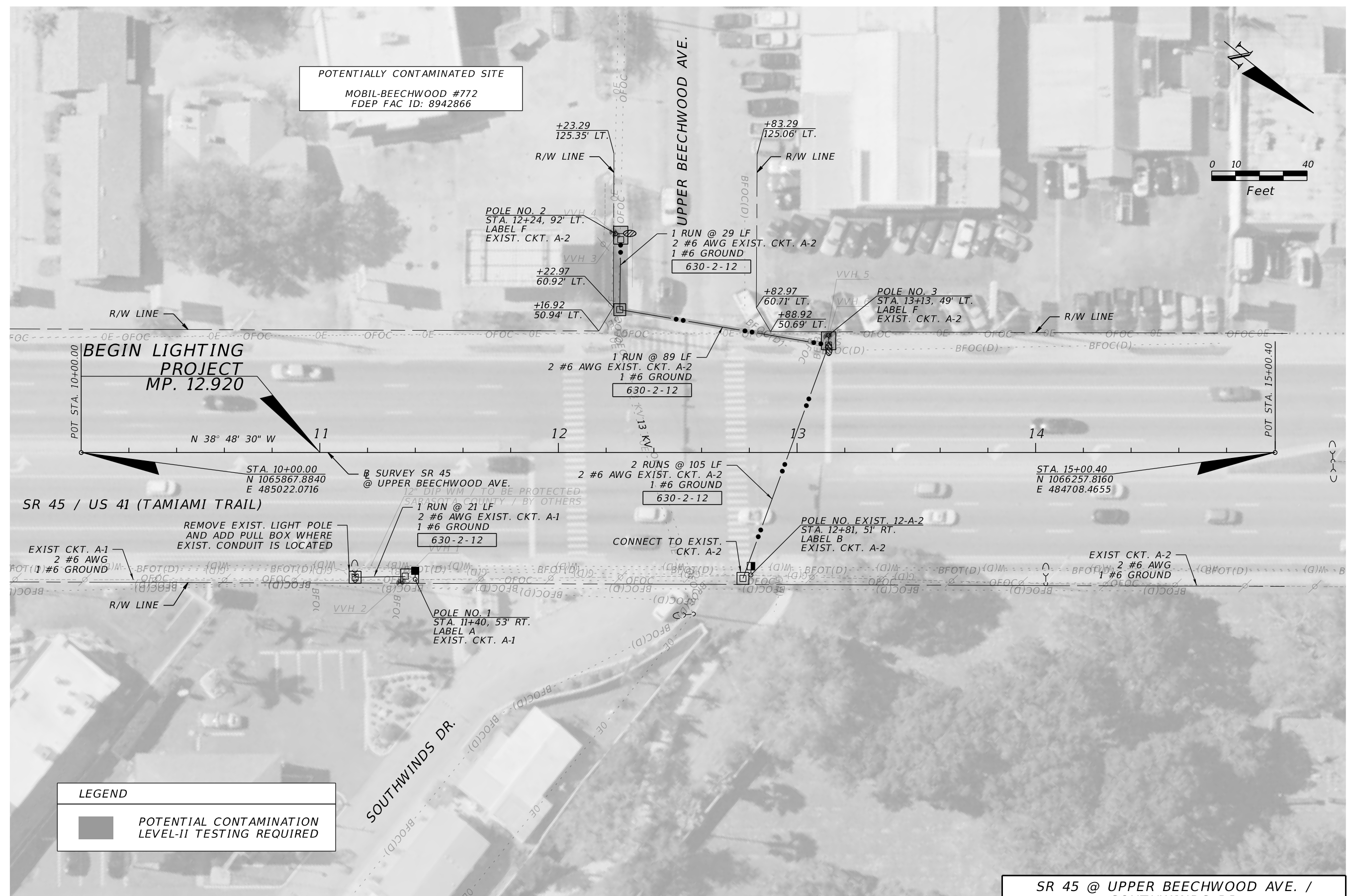
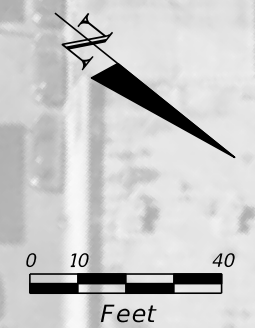
POLE ORIENTATION SCHEMATIC



REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POLE DATA AND LEGEND (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		12

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

POTENTIALLY CONTAMINATED SITE
 MOBIL-BEECHWOOD #772
 FDEP FAC ID: 8942866

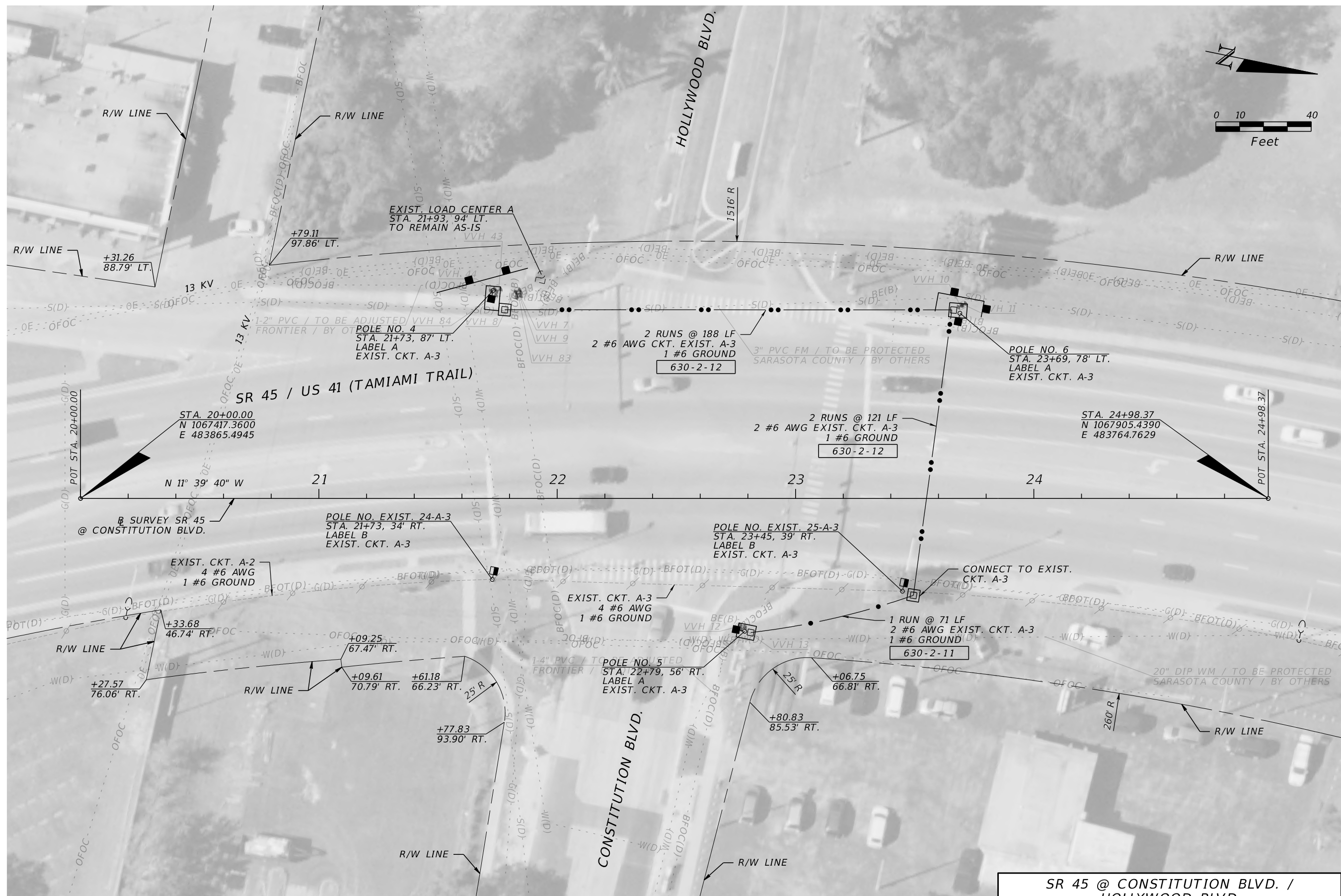


LEGEND	
	POTENTIAL CONTAMINATION LEVEL-II TESTING REQUIRED

SR 45 @ UPPER BEECHWOOD AVE. / SOUTHWINDS DR.

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	SARASOTA	440136-1-52-01	

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SR 45 @ CONSTITUTION BLVD. /
HOLLYWOOD BLVD.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

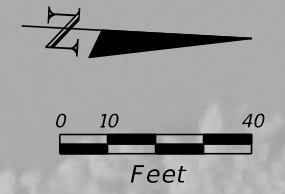
ANIRUDDHA GOTMARE, PE
PE LICENSE NUMBER 54801
SCALAR CONSULTING GROUP INC.
4152 W. BLUE HERON BOULEVARD, SUITE 119
RIVIERA BEACH, FLORIDA 33404
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

LIGHTING PLAN (2)

SHEET NO.
14

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LEGEND	
	POTENTIAL CONTAMINATION LEVEL-II TESTING REQUIRED

POTENTIALLY CONTAMINATED SITE
 CREEK BAIT & TACKLE
 FDEP FAC ID: 8731881

SR 45 @ PHILLIPPI ISLE /
 MONTE CARLO DR.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

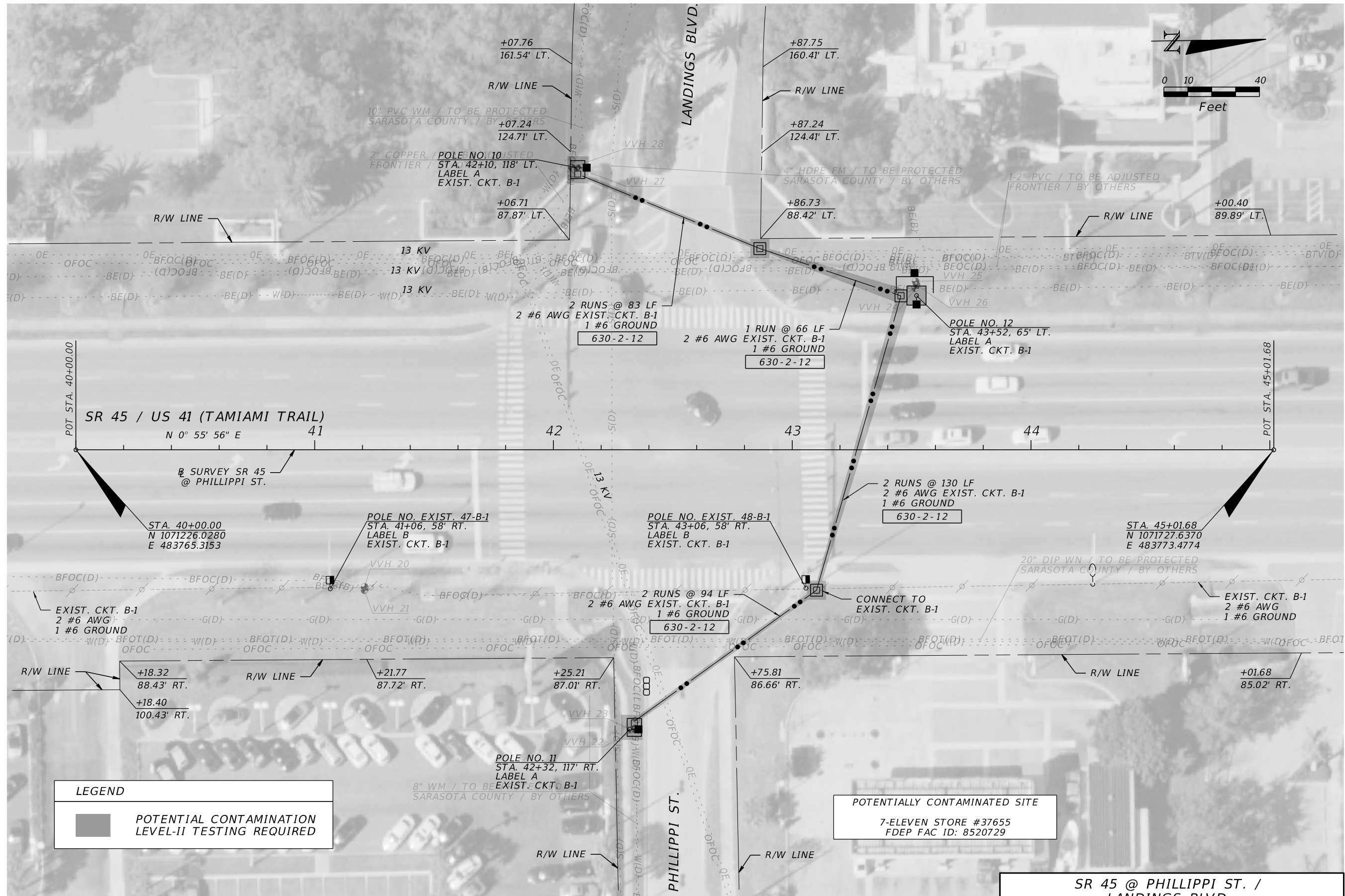
ANIRUDDHA GOTMARE, PE
 PE LICENSE NUMBER 54801
 SCALAR CONSULTING GROUP INC.
 4152 W. BLUE HERON BOULEVARD, SUITE 119
 RIVIERA BEACH, FLORIDA 33404
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

LIGHTING PLAN (3)

SHEET NO.
 15

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



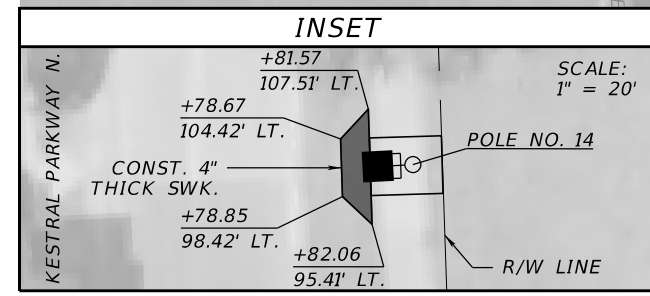
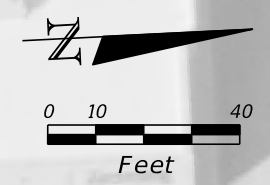
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANIRUDDHA GOTMARE, PE
 PE LICENSE NUMBER 54801
 SCALAR CONSULTING GROUP INC.
 4152 W. BLUE HERON BOULEVARD, SUITE 119
 RIVIERA BEACH, FLORIDA 33404
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

SHEET NO.	
16	

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SR 45 @ PROCTOR RD. /
KESTRAL PARKWAY N.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANIRUDDHA GOTMARE, PE
PE LICENSE NUMBER 54801
SCALAR CONSULTING GROUP INC.
4152 W. BLUE HERON BOULEVARD, SUITE 119
RIVIERA BEACH, FLORIDA 33404
CERTIFICATE OF AUTHORIZATION NO. 29560

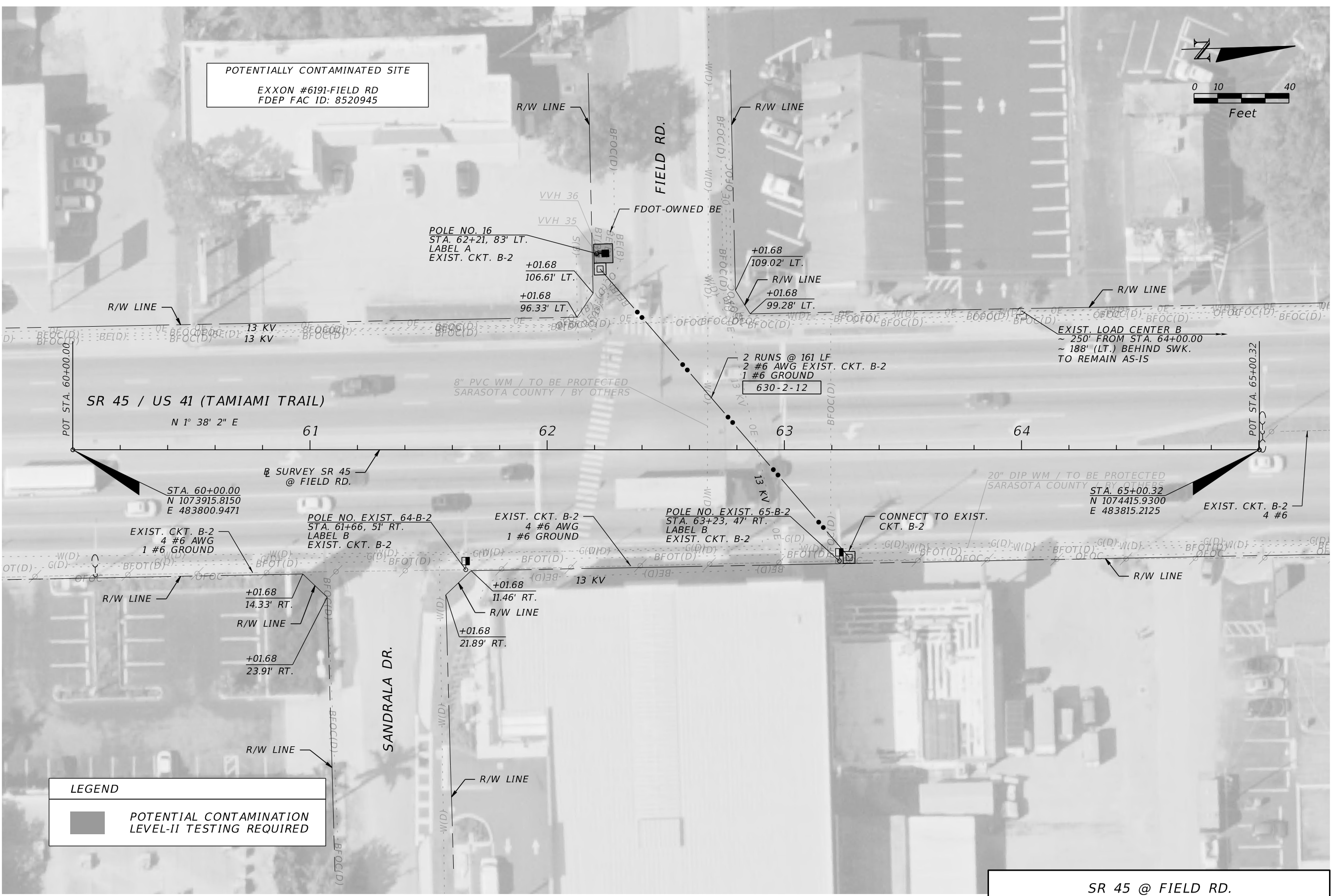
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

LIGHTING PLAN (5)

SHEET NO.
17

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

POTENTIALLY CONTAMINATED SITE
 EXXON #6191-FIELD RD
 FDEP FAC ID: 8520945



LEGEND

■ POTENTIAL CONTAMINATION LEVEL-II TESTING REQUIRED

SR 45 @ FIELD RD.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANIRUDDHA GOTMARE, PE
 PE LICENSE NUMBER 54801
 SCALAR CONSULTING GROUP INC.
 4152 W. BLUE HERON BOULEVARD, SUITE 119
 RIVIERA BEACH, FLORIDA 33404
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

LIGHTING PLAN (6)

SHEET NO. 18

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SR 55 @ WORRINGTON ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

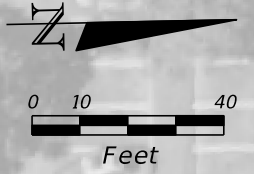
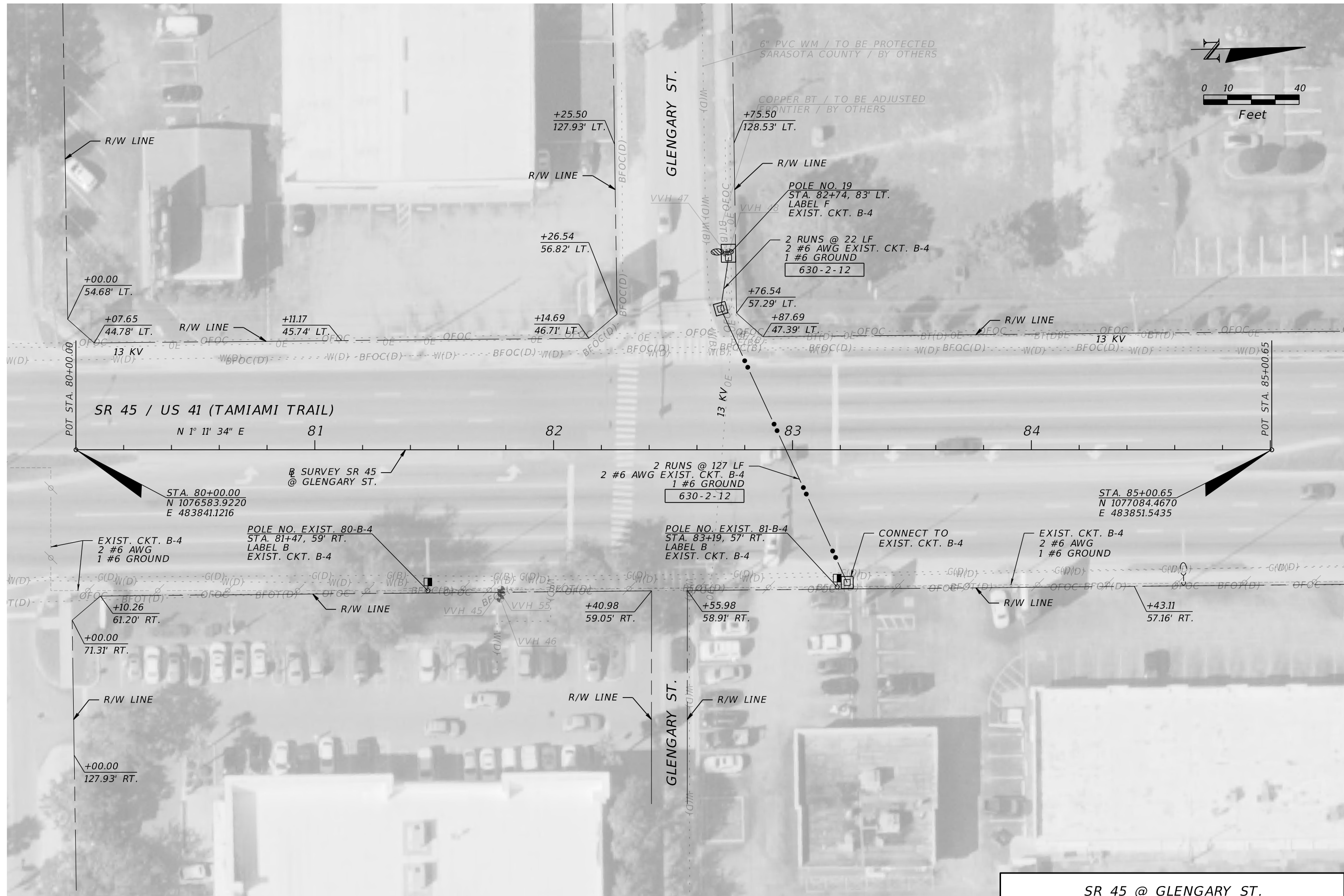
ANIRUDDHA GOTMARE, PE
 PE LICENSE NUMBER 54801
 SCALAR CONSULTING GROUP INC.
 4152 W. BLUE HERON BOULEVARD, SUITE 119
 RIVIERA BEACH, FLORIDA 33404
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 55	SARASOTA	440136-1-52-01

LIGHTING PLAN (7)

SHEET NO.
19

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SR 45 @ GLENGARY ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

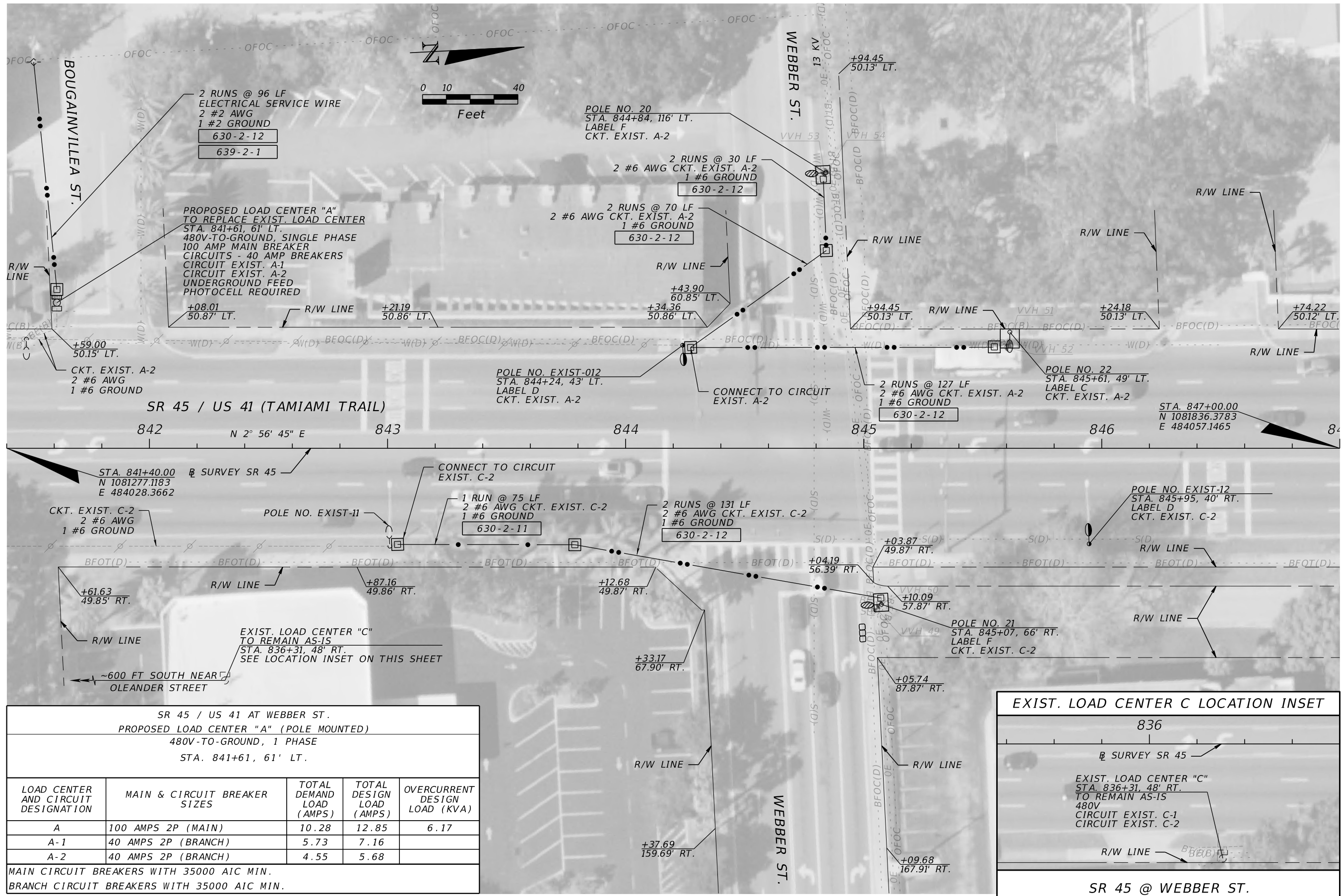
ANIRUDDHA GOTMARE, PE
 PE LICENSE NUMBER 54801
 SCALAR CONSULTING GROUP INC.
 4152 W. BLUE HERON BOULEVARD, SUITE 119
 RIVIERA BEACH, FLORIDA 33404
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

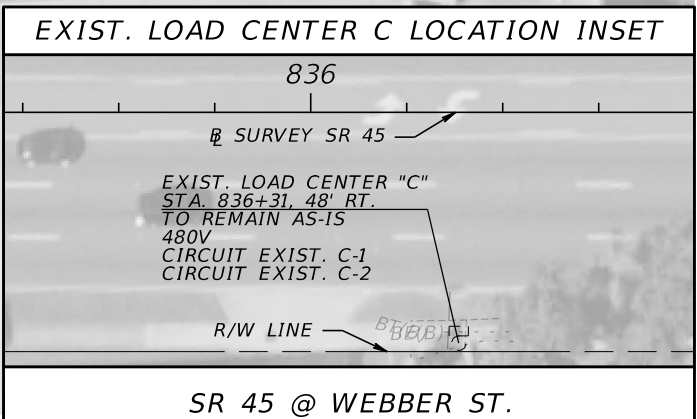
LIGHTING PLAN (8)

SHEET NO.
20

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SR 45 / US 41 (TAMIAMI TRAIL)



SR 45 / US 41 AT WEBBER ST.				
PROPOSED LOAD CENTER "A" (POLE MOUNTED)				
480V-TO-GROUND, 1 PHASE				
STA. 841+61, 61' LT.				
LOAD CENTER AND CIRCUIT DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	OVERCURRENT DESIGN LOAD (KVA)
A	100 AMPS 2P (MAIN)	10.28	12.85	6.17
A-1	40 AMPS 2P (BRANCH)	5.73	7.16	
A-2	40 AMPS 2P (BRANCH)	4.55	5.68	
MAIN CIRCUIT BREAKERS WITH 35000 AIC MIN.				
BRANCH CIRCUIT BREAKERS WITH 35000 AIC MIN.				

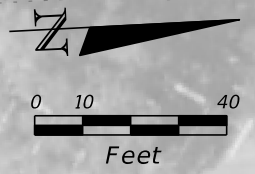
ANIRUDDHA GOTMARE, PE
 PE LICENSE NUMBER 54801
 SCALAR CONSULTING GROUP INC.
 4152 W. BLUE HERON BOULEVARD, SUITE 119
 RIVIERA BEACH, FLORIDA 33404
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

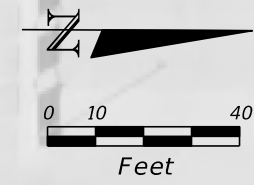
SR 45 @ WEBBER ST.

LIGHTING PLAN (9)

SHEET NO. 21



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



POTENTIALLY CONTAMINATED SITE
TOP'S VACUUM CLEANERS INC
FDEP FAC ID: 8631332

POLE NO. 23
STA. 873+86, 115' LT.
LABEL C
CKT. EXIST. B-3

2 RUNS @ 129 LF
2 #6 AWG CKT. EXIST. B-3
1 #6 GROUND
630-2-12

POLE NO. EXIST-022
STA. 875+04, 59' LT.
LABEL D
CKT. EXIST. B-3

POLE NO. EXIST-21
STA. 873+15, 41' RT.
LABEL D
CKT. EXIST. B-1

POLE NO. 24
STA. 874+02, 86' RT.
LABEL C
CKT. EXIST. B-1

2 RUNS @ 67 LF
2 #6 AWG CKT. EXIST. B-1
1 #6 GROUND
630-2-12

2 RUNS @ 144 LF
2 #6 AWG CKT. EXIST. B-1
1 #6 GROUND
630-2-12

CURVE DATA CURVE 2
PI Sta. = 871+00.12
Δ = 3° 13' 55" (LT.)
D = 1° 30' 0"
T = 107.76'
L = 215.47'
R = 3819.72'
PC Sta. = 869+92.35
PT Sta. = 872+07.82

LEGEND
■ POTENTIAL CONTAMINATION LEVEL-II TESTING REQUIRED

SR 45 @ HILLVIEW ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANIRUDDHA GOTMARE, PE
PE LICENSE NUMBER 54801
SCALAR CONSULTING GROUP INC.
4152 W. BLUE HERON BOULEVARD, SUITE 119
RIVIERA BEACH, FLORIDA 33404
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

LIGHTING PLAN (10)

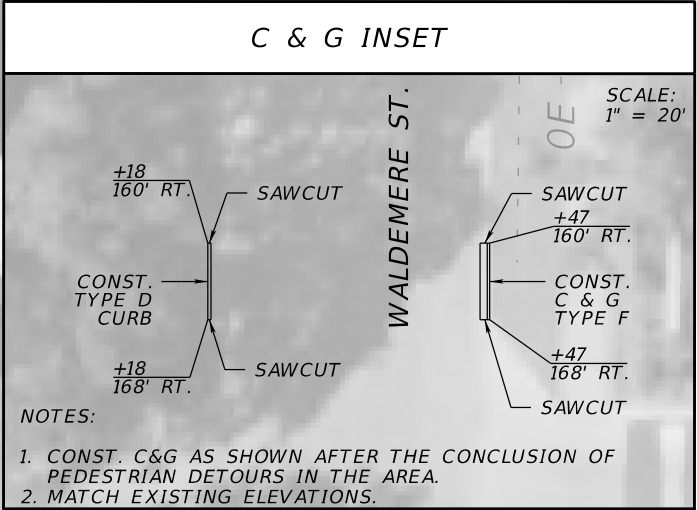
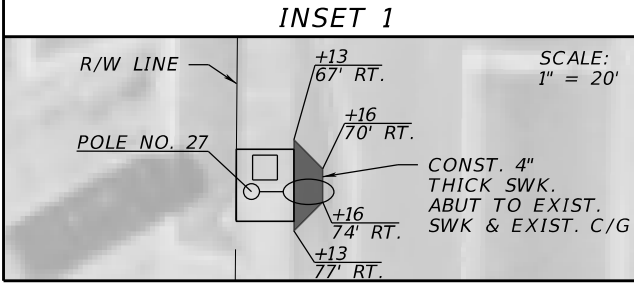
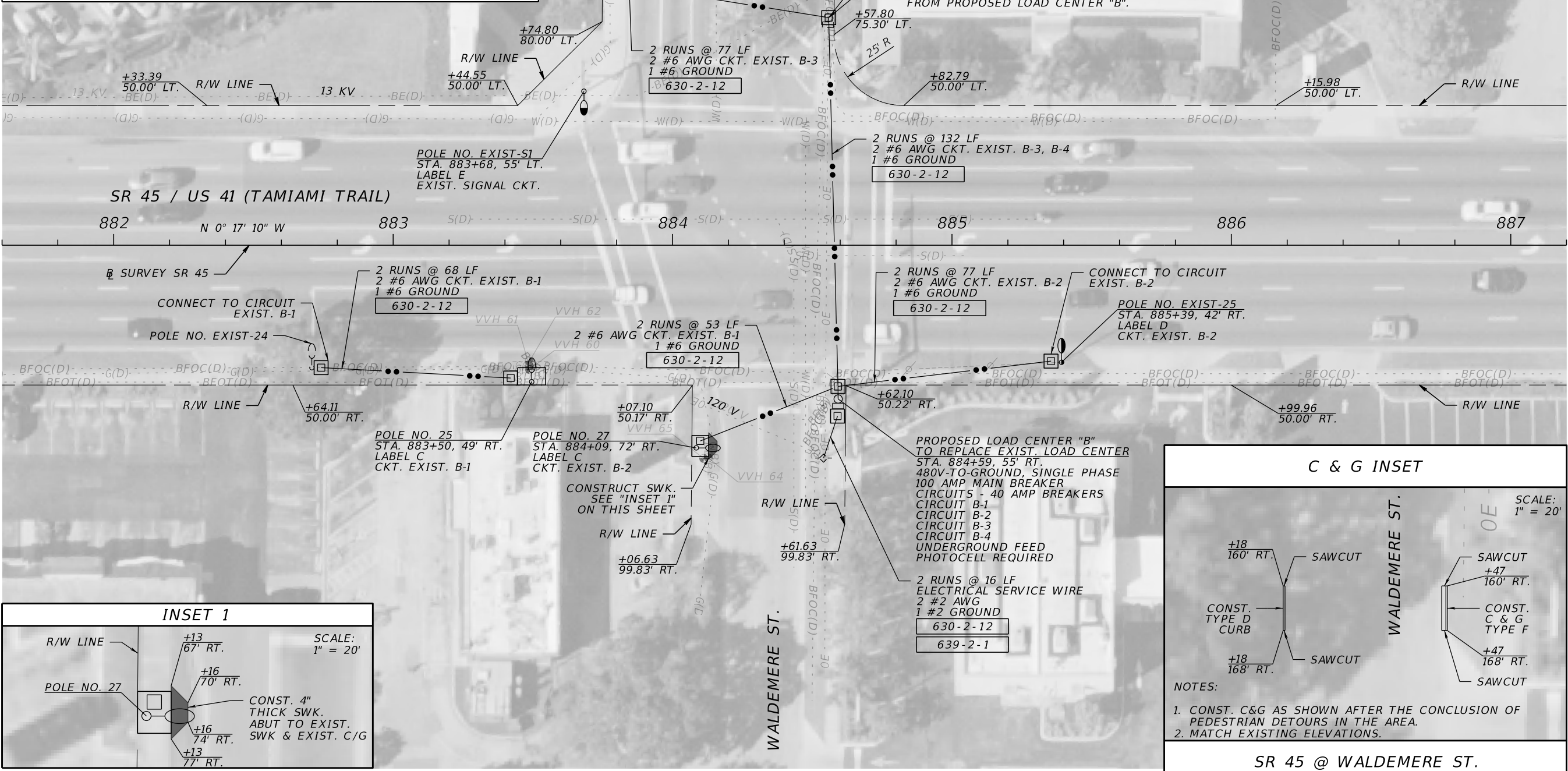
SHEET NO. 22

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

SR 45 / US 41 AT WALDEMERE ST.
 PROPOSED LOAD CENTER "B" (POLE MOUNTED)
 480V-TO-GROUND, 1 PHASE
 STA. 884+59, 55' RT.

LOAD CENTER AND CIRCUIT DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	OVERCURRENT DESIGN LOAD (KVA)
B	100 AMPS 2P (MAIN)	26.67	33.34	16.00
B-1	40 AMPS 2P (BRANCH)	4.72	5.90	
B-2	40 AMPS 2P (BRANCH)	8.90	11.12	
B-3	40 AMPS 2P (BRANCH)	4.18	5.23	
B-4	40 AMPS 2P (BRANCH)	8.87	11.09	

MAIN CIRCUIT BREAKERS WITH 35000 AIC MIN.
 BRANCH CIRCUIT BREAKERS WITH 35000 AIC MIN.



SR 45 @ WALDEMERE ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

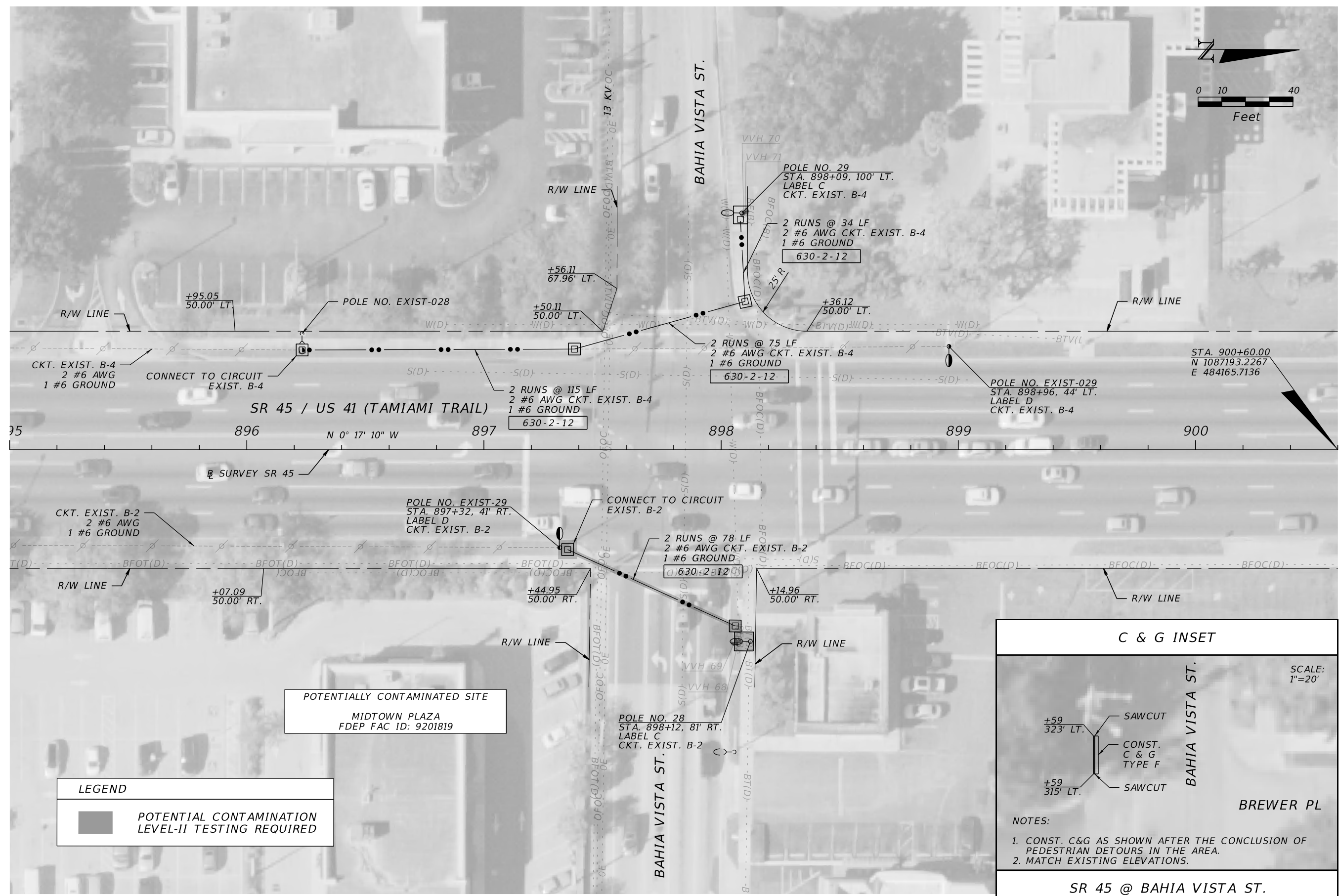
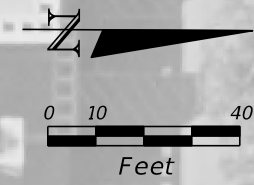
ANIRUDDHA GOTMARE, PE
 PE LICENSE NUMBER 54801
 SCALAR CONSULTING GROUP INC.
 4152 W. BLUE HERON BOULEVARD, SUITE 119
 RIVIERA BEACH, FLORIDA 33404
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

LIGHTING PLAN (11)

SHEET NO. 23

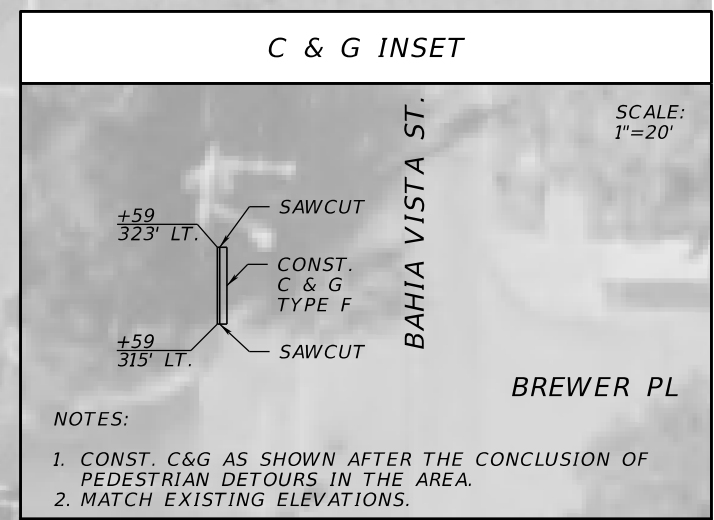
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

■ POTENTIAL CONTAMINATION LEVEL-II TESTING REQUIRED

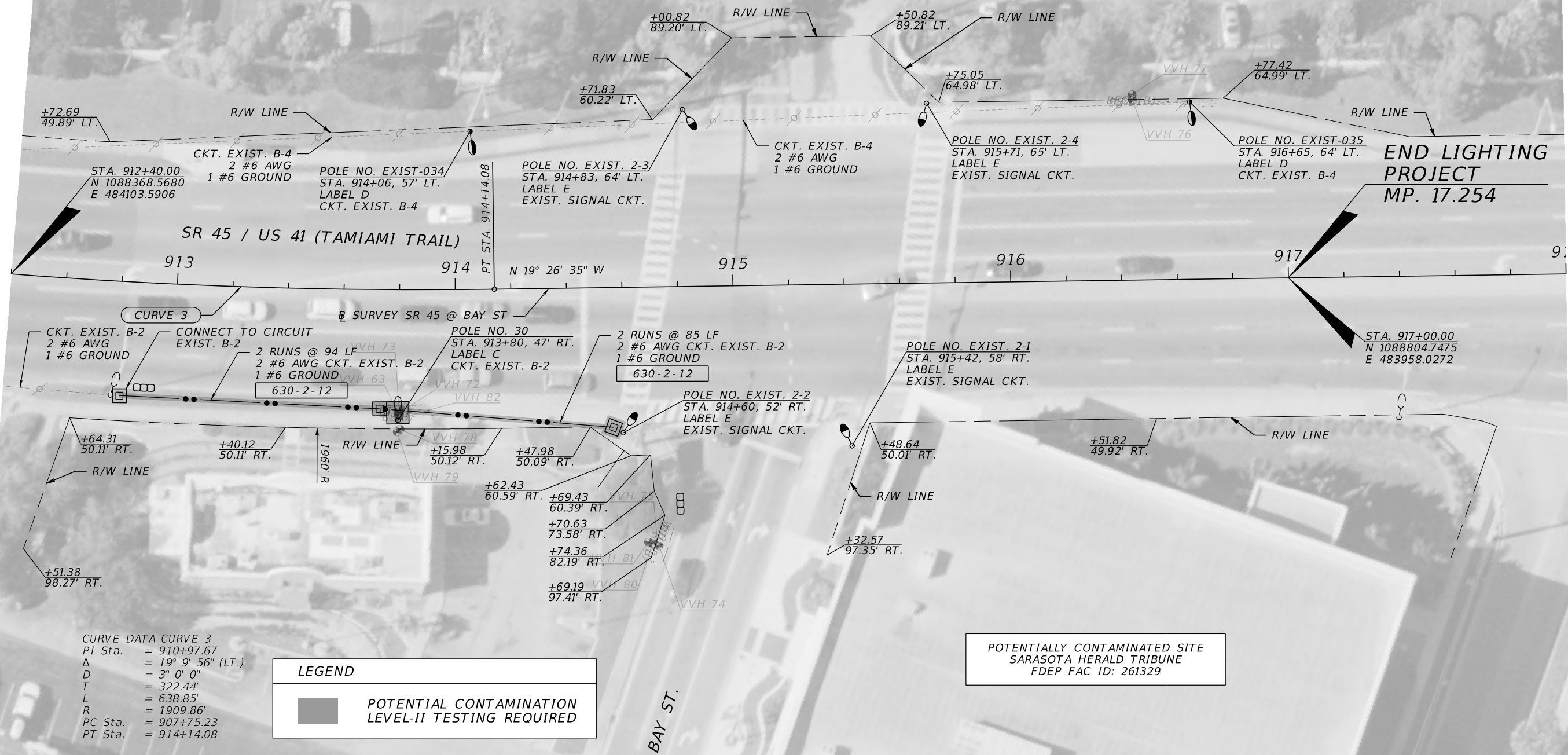
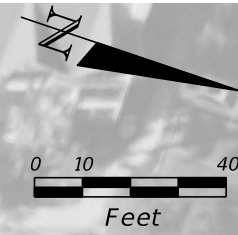
POTENTIALLY CONTAMINATED SITE
MIDTOWN PLAZA
FDEP FAC ID: 9201819



SR 45 @ BAHIA VISTA ST.

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	SARASOTA	440136-1-52-01	

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



END LIGHTING PROJECT MP. 17.254

CURVE DATA CURVE 3
 PI Sta. = 910+97.67
 Δ = 19° 9' 56" (LT.)
 D = 3° 0' 0"
 T = 322.44'
 L = 638.85'
 R = 1909.86'
 PC Sta. = 907+75.23
 PT Sta. = 914+14.08

LEGEND

■ POTENTIAL CONTAMINATION LEVEL-II TESTING REQUIRED

POTENTIALLY CONTAMINATED SITE
 SARASOTA HERALD TRIBUNE
 FDEP FAC ID: 261329

SR 45 @ BAY ST.

REVISIONS				ANIRUDDHA GOTMARE, PE PE LICENSE NUMBER 54801 SCALAR CONSULTING GROUP INC. 4152 W. BLUE HERON BOULEVARD, SUITE 119 RIVIERA BEACH, FLORIDA 33404 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 25
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	SARASOTA	440136-1-52-01	

LIGHTING PLAN (13)

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

GENERAL NOTES

DESIGN SPECIFICATIONS:

A) AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 1ST EDITION (2015) WITH 2017 INTERIM REVISIONS.

DESIGN GUIDELINES:

A) FDOT STRUCTURES MANUAL (JANUARY 2020)

B) FDOT DESIGN MANUAL - 2020

C) FDOT STANDARD PLANS - FY 2019-20

DESIGN METHOD:

LOAD RESISTANCE FACTOR DESIGN

CONSTRUCTION SPECIFICATIONS:

FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - JULY 2019

CONCRETE:

CLASS	MINIMUM 28-DAY COMPRESSIVE STRENGTH	LOCATION
II	f'c = 3400 PSI	LIGHT POLE SPREAD FOOTING

REINFORCING STEEL:

REINFORCEMENT SHALL BE GRADE 60 & SECTION 931 OF THE CONSTRUCTION SPECIFICATIONS.

CONCRETE COVER:

CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE REINFORCEMENT PLACEMENT AND FABRICATION TOLERANCE UNLESS SHOWN AS "MINIMUM COVER." SEE FDOT STANDARD SPECIFICATIONS FOR ALLOWABLE REINFORCEMENT PLACEMENT TOLERANCES.

LIGHT POLE SPREAD FOOTING NOTES:

- DESIGN WIND SPEED = 160 MPH
- SOIL BELOW FOOTING SHALL HAVE A MINIMUM ULTIMATE BEARING CAPACITY OF 4000 PSF. COMPACT SOIL UNDER SPREAD FOOTING IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATIONS - SECTION 455.
- CONSTRUCT THE LIGHT POLE SPREAD FOOTING FOUNDATION IN ACCORDANCE WITH SECTION 455 OF THE CONSTRUCTION SPECIFICATIONS EXCEPT THAT NO PAYMENT FOR THE FOUNDATION WILL BE MADE UNDER SECTION 455.
- ANCHOR BOLTS SHALL HAVE A MINIMUM OF 4½" INCH CONCRETE COVER AT THE BOTTOM OF THE FOOTING. SHIFT FOOTING REINFORCEMENT AS REQUIRED TO CLEAR BOLTS. ANCHOR BOLT CONFIGURATION AND ANCHOR PLATES SHALL BE COMPATIBLE WITH THE LIGHT POLE TRANSFORMER BASE AND ACCOMMODATE THE FOOTING DIMENSIONS. PROVIDE DESIGN CALCULATIONS BASED ON LOADS PROVIDED BELOW, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
- LOCATION OF THE CONDUIT SHALL BE VERIFIED PRIOR TO CONSTRUCTION. FOR CONDUITS DETAILS REFER TO STANDARD PLANS INDEX 715-002.
- DESIGN LOADS: (EXTREME EVENT I LOAD COMBINATION LIMIT STATE)

POLE NO.	MOMENT IN TRANSVERSE DIRECTION (KIP-FT)	SHEAR IN TRANSVERSE DIRECTION (KIPS)	TORSION (KIP-FT)	AXIAL (KIP)	MOMENT IN LONGITUDINAL DIRECTION (KIP-FT)	SHEAR IN LONGITUDINAL DIRECTION (KIP)
4,12,16	26.4	1.0	0.3	0.5	25.9	1.0
18	17.8	0.8	4.3	0.3	17.6	0.9
22,24,25,26,28,30	27.2	1.0	3.1	0.5	26.0	1.0

- IF A POLE IS FURNISHED WHICH PRODUCES GREATER LOADS THAN ARE LISTED ABOVE, REDESIGN THE SPREAD FOOTING AND SUBMIT DRAWINGS AND CALCULATIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, TO THE ENGINEER FOR REVIEW AND APPROVAL.
- WORK SPREAD FOOTING DETAILS SHEET WITH LIGHTING PLANS, UTILITY ADJUSTMENT SHEETS AND STANDARD PLANS INDEX 715-002 (EXCEPT AS MODIFIED ON THESE SHEETS AND THE REQUIRED MODIFICATIONS TO ACCOMODATE THE SPECIAL FOOTING DIMENSIONS).

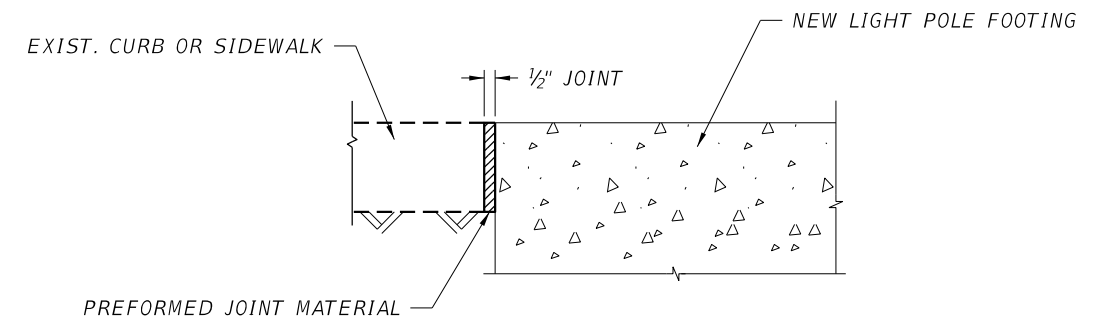
9. FOR ANCHOR BOLTS DETAILS, SEE STANDARD PLANS INDEX 521-650 AND 715-002 (EXCEPT AS MODIFIED ON THESE SHEETS AND THE REQUIRED MODIFICATIONS TO ACCOMMODATE THE FOOTING DIMENSIONS).

10. DO NOT EMBED ELECTRICAL PULL BOXES IN THE SPREAD FOOTING FOUNDATION.

11. SOIL PARAMETERS USED IN DESIGN:
 INTERNAL ANGLE OF FRICTION F = 28 DEGREES
 TOTAL SOIL UNIT WEIGHT = 105 PCF
 SUBMERGED SOIL UNIT WEIGHT = 42.6 PCF
 NOMINAL SOIL BEARING CAPACITY = 4000 PSF

12. COST OF LIGHT POLE SPREAD FOOTINGS, INCLUDING REINFORCEMENT STEEL, SHALL BE INCLUDED IN PAY ITEM FOR INDIVIDUAL POLES. NO SEPARATE PAY ITEMS FOR LIGHT POLE FOOTINGS COST.

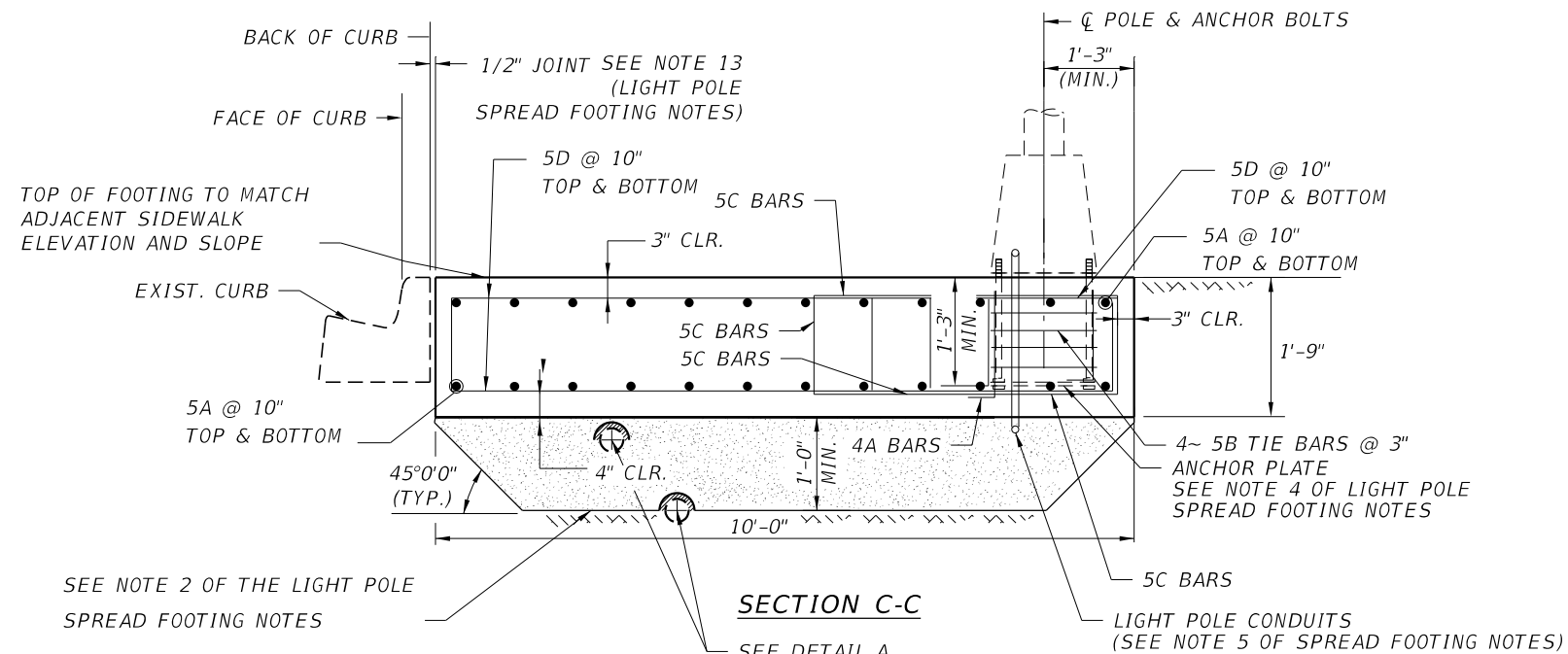
13. FILL JOINTS BETWEEN NEW FOOTINGS AND SURROUNDING SIDEWALK OR CURB SHALL BE PREMOLDED EXPANSION JOINT MATERIAL.



14. THE DEPARTMENT WILL PERMIT THE USE OF COARSE AGGREGATE BELOW THE ELEVATION AT WHICH MECHANICAL TAMPERS WOULD BE EFFECTIVE, AT THE CONTRACTOR'S OPTION AND NO ADDITIONAL COST TO THE DEPARTMENT. USE A MINIMUM COMPACTED LAYER THICKNESS OF 12 INCHES COARSE AGGREGATE AS SPECIFIED IN SECTION 901 FOR AGGREGATE SIZE NUMBER 57. PLACE THE COARSE AGGREGATE SUCH THAT IT WILL BE STABLE AND FIRM. FULLY WRAP THE AGGREGATE WITH A LAYER OF TYPE R-1 GEOSYNTHETIC MATERIAL, AS SPECIFIED IN SECTION 985. COMPACT COARSE AGGREGATE BACKFILL WITH A MINIMUM OF 10 PASSES WITH A VIBRATORY COMPACTOR WEIGHING BETWEEN 200 AND 600 POUNDS, OR 5 PASSES WITH A COMPACTOR WEIGHING MORE THAN 600 POUNDS. USE THE HIGHEST VIBRATION LEVEL THAT DOES NOT CAUSE EXCESSIVE FRACTURE OF THE AGGREGATE IN THE OPINION OF THE ENGINEER. CONTINUE COMPACTION UNTIL THERE IS NO ADDITIONAL MOVEMENT. SHEEPSFOOT, GRID ROLLERS OR OTHER TYPES OF EQUIPMENT EMPLOYING A FOOT ARE NOT ALLOWED FOR ANY BACKFILL TYPE.

REVISIONS				HANI N. SAMAAAN, PE PE LICENSE NUMBER 75855 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FLORIDA 32751 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHT POLE SPREAD FOOTING DETAILS (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	SARASOTA		440136-1-52-01

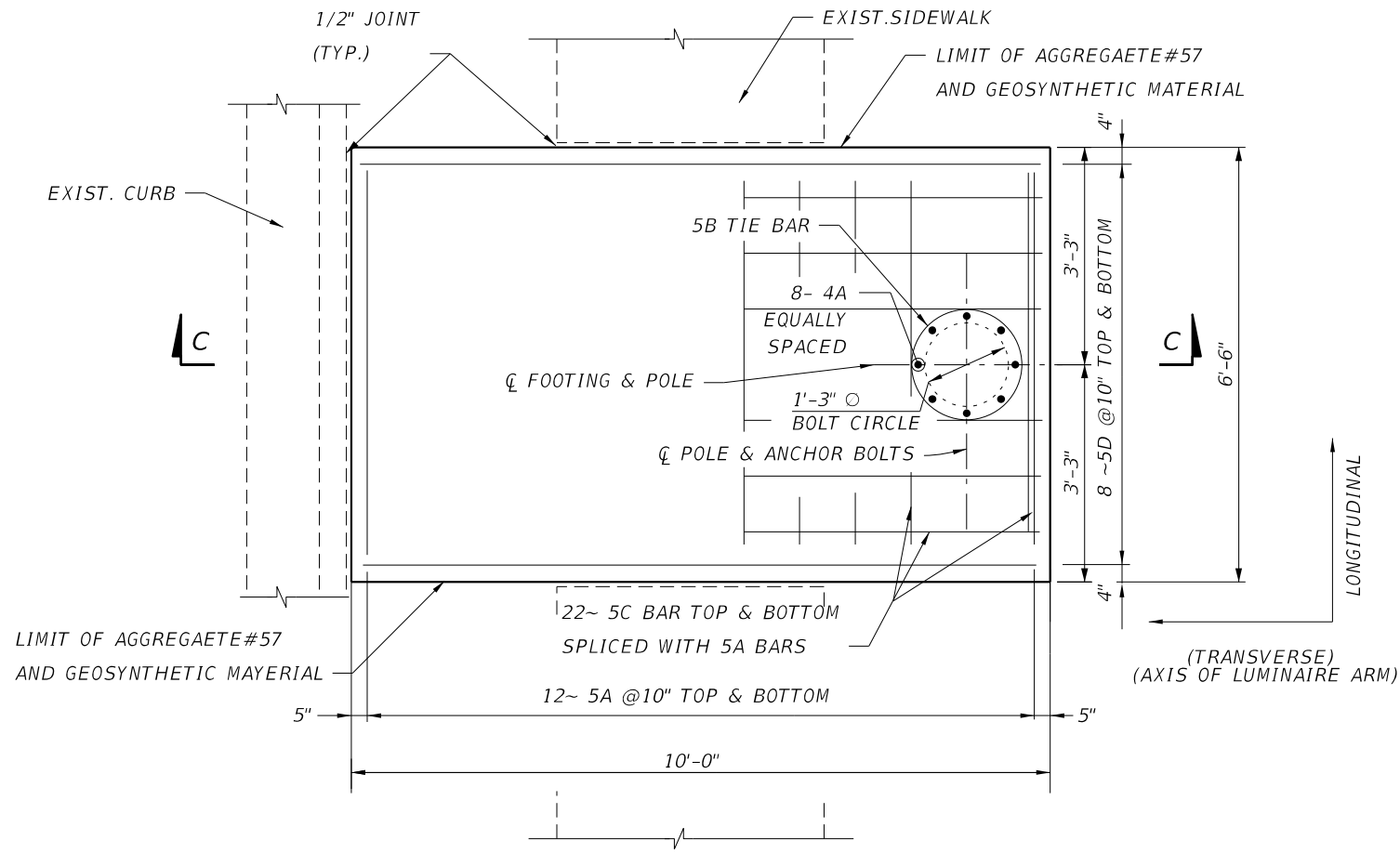
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



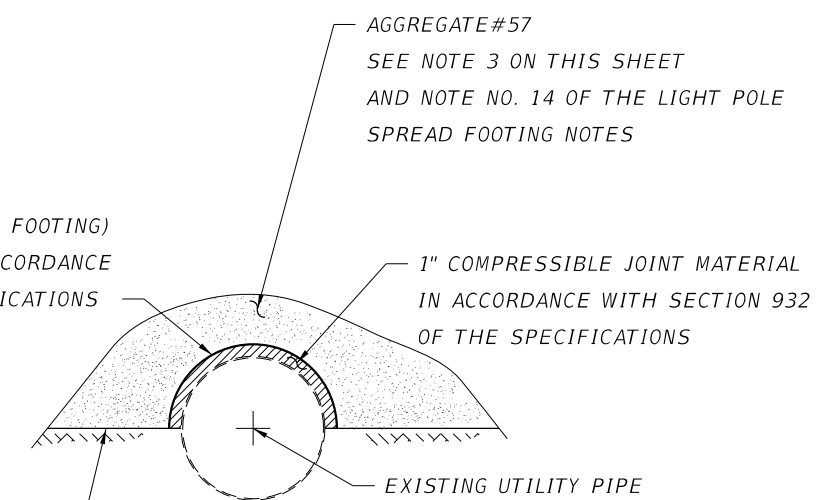
MARK	LENGTH	NO	TYP	STY	B			C			D			
					FT	IN	FR	FT	IN	FR	FT	IN	FR	
NO. REQUIRED = 1 (POLE NO.4)														
4	A	1	9	8	10		1	1	0	8				
5	A	8	4	24	11		6	0	1	2		1	2	
5	B	7	0	4	24		0	9	1	0				
5	C	8	1	22	11		5	11	1	1		1	1	
5	D	11	8	16	11		9	6	1	1		1	1	

ESTIMATED LIGHT POLE FOUNDATION QUANTITIES PER FOOTING (LIGHT POLE)		
ITEM	UNIT	QUANTITY
CONCRETE	CY	4.2
STEEL	LB	604

- NOTES:
- 1- WORK THIS SHEET WITH FDOT STANDARD PLANS INDEX 415-001 BAR BENDING DETAILS
 - 2- WORK THIS SHEET WITH STANDARD PLANS INDEX 715-002.
 - 3- AGGREGATE#57 SHALL BE IN ACCORDANCE WITH SECTION 901 OF THE SPECIFICATIONS. COST OF EXCAVATION, SOIL DISPOSAL, SEMICIRCLE STEEL PIPE, COMPRESSIBLE JOINT MATERIAL AND AGGREGATE FILL SHALL BE INCLUDED IN THE PAY ITEM FOR THE LIGHT POLE. NO SEPARATE PAY ITEMS WILL BE ACCEPTED. LENGTH OF EXCAVATION AND FILL IN THE LONGITUDINAL DIMENSION IS 6'-0" MIN. SEE NOTE 14 OF THE LIGHT POLE SPREAD FOOTING NOTES.
 - 4- ENSURE THE SHORING AND STABILITY OF THE SIDEWALK DURING CONSTRUCTION
 - 5- SHOWN LOCATIONS AND DEPTH OF UTILITY LINES ARE APPROXIMATE.
 - 6- WORK THIS SHEET WITH FDOT STANDARD PLAN INDEX 415-001 BAR BENDING DETAILS



1/4" THK. STEEL SEMI-CIRCLE PIPE
(10'-0" LONG CENTERED UNDER THE FOOTING)
SEMI-CIRCLE PIPE SHALL BE IN ACCORDANCE
WITH SECTION 944 OF THE SPECIFICATIONS

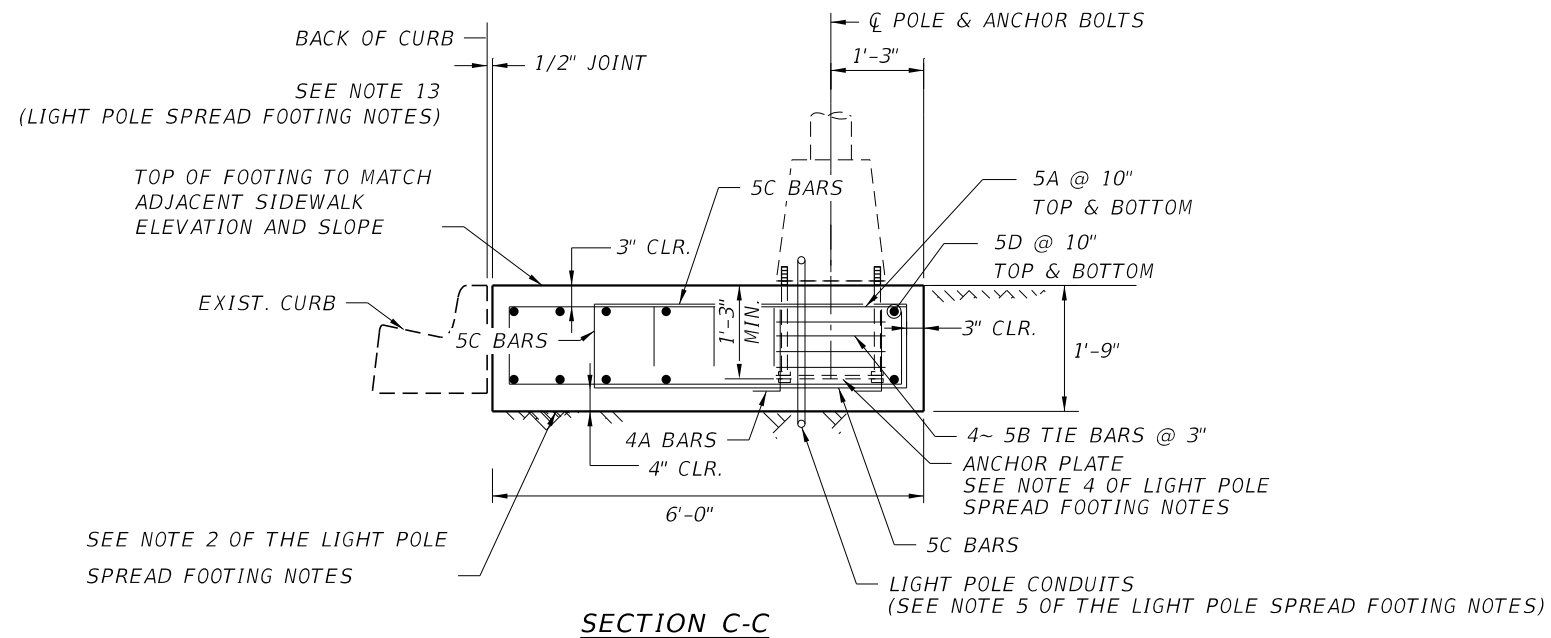


PLAN VIEW - LIGHT POLE SPREAD FOOTING
(FOR POLE NO.4)

DETAIL A

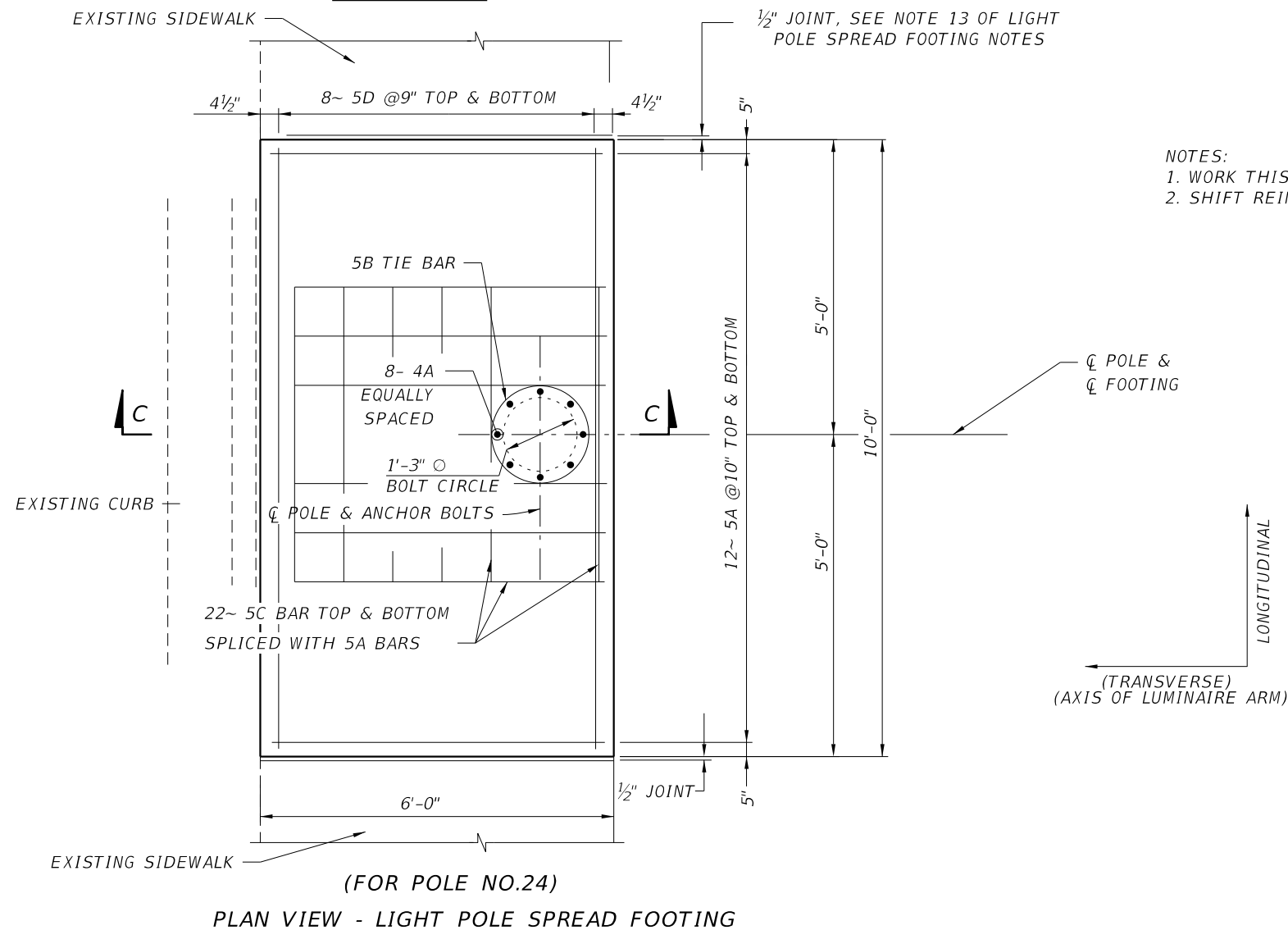
REVISIONS				HANI N. SAMAAAN, PE PE LICENSE NUMBER 75855 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FLORIDA 32751 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHT POLE SPREAD FOOTING DETAILS (2)	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		

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MARK	DES	LENGTH		NO	TYP	STY	B		C		D	
		FT	IN				FR	IN	FR	IN	FR	
NO. REQUIRED = 1 (POLE NO.24)												
4	A	1	9	8	10		1	1	0	8		
5	A	7	8	24	11		5	6	1	1		1
5	B	7	0	4	24		0	9	1	0		
5	C	7	2	22	11		5	0	1	1		1
5	D	11	8	16	11		9	6	1	1		1

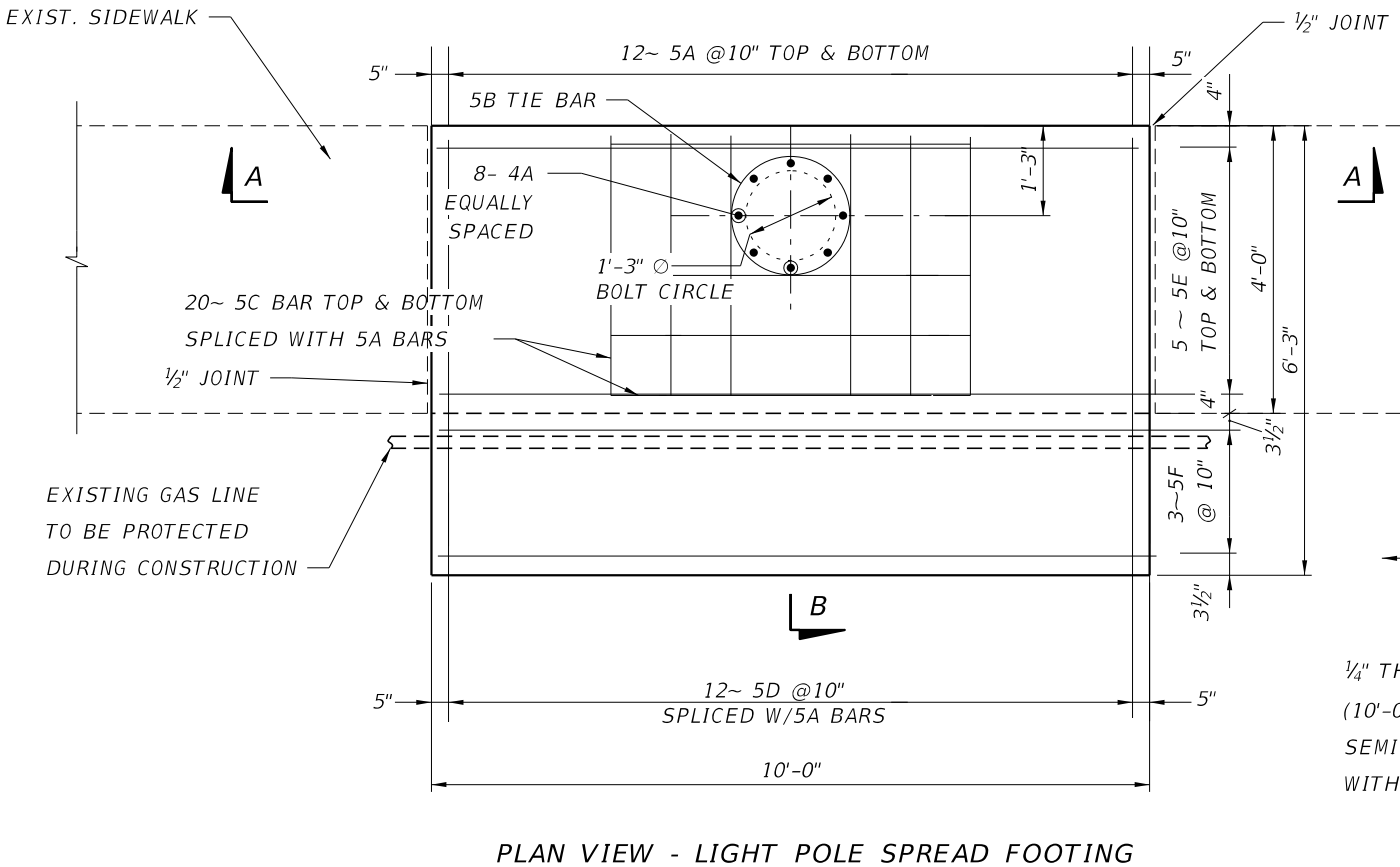
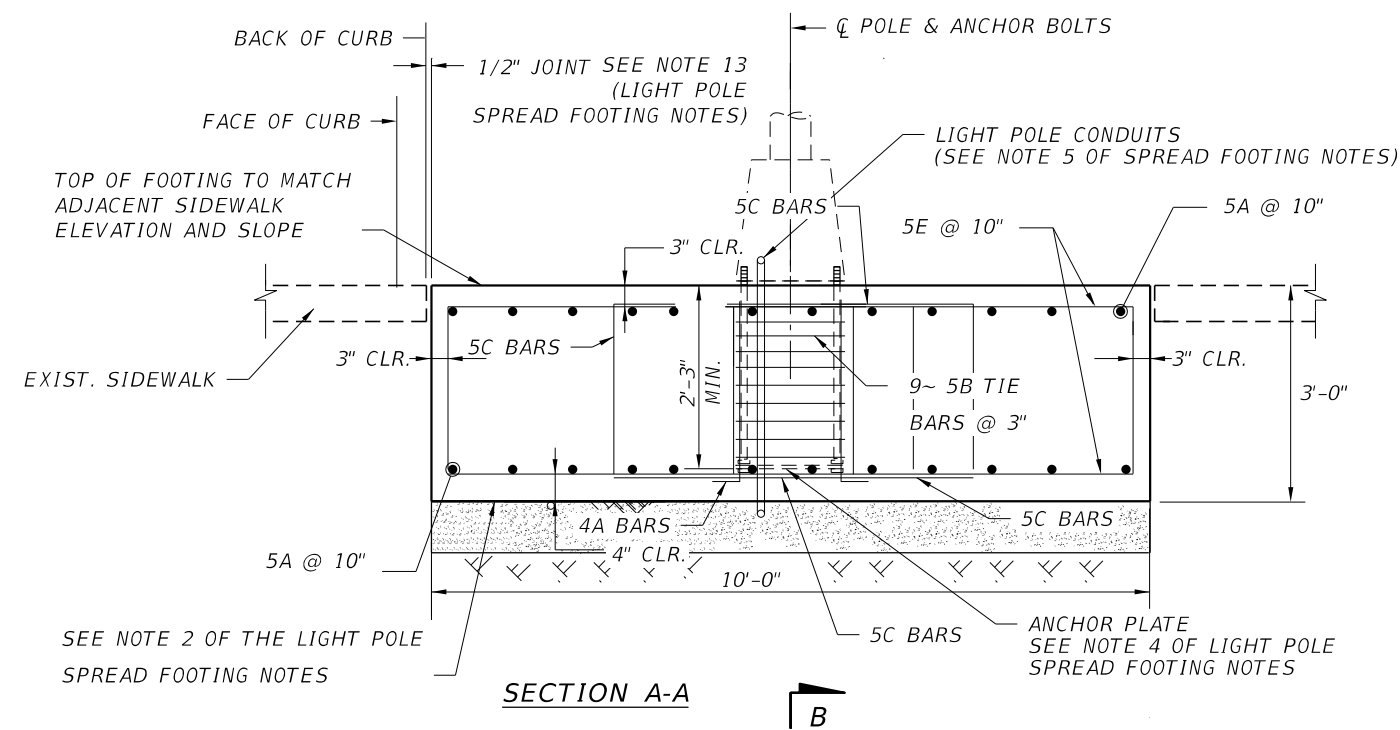
ESTIMATED LIGHT POLE FOUNDATION QUANTITIES PER ONE FOOTING (LIGHT POLE)		
ITEM	UNIT	QUANTITY
CONCRETE	CY	3.9
STEEL	LB	395



NOTES:
 1. WORK THIS SHEET WITH FDOT STANDARD PLAN INDEX 415-001 BAR BENDING DETAILS.
 2. SHIFT REINFORCEMENT AS NEEDED TO ACCOMMODATE ANCHOR BOLTS AND ANCHOR PLATE.

REVISIONS				HANI N. SAMAAAN, PE PE LICENSE NUMBER 75855 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FLORIDA 32751 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHT POLE SPREAD FOOTING DETAILS (4)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		

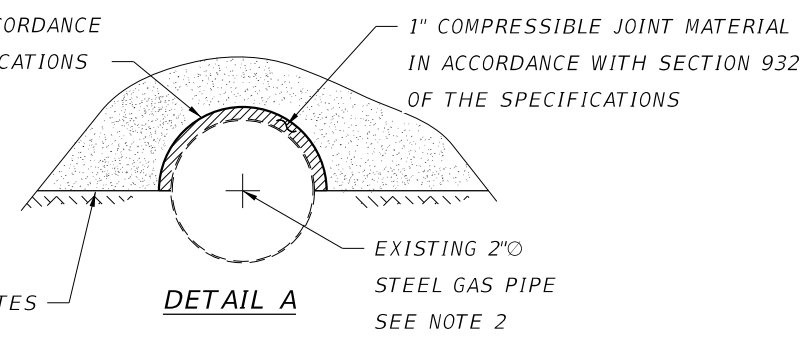
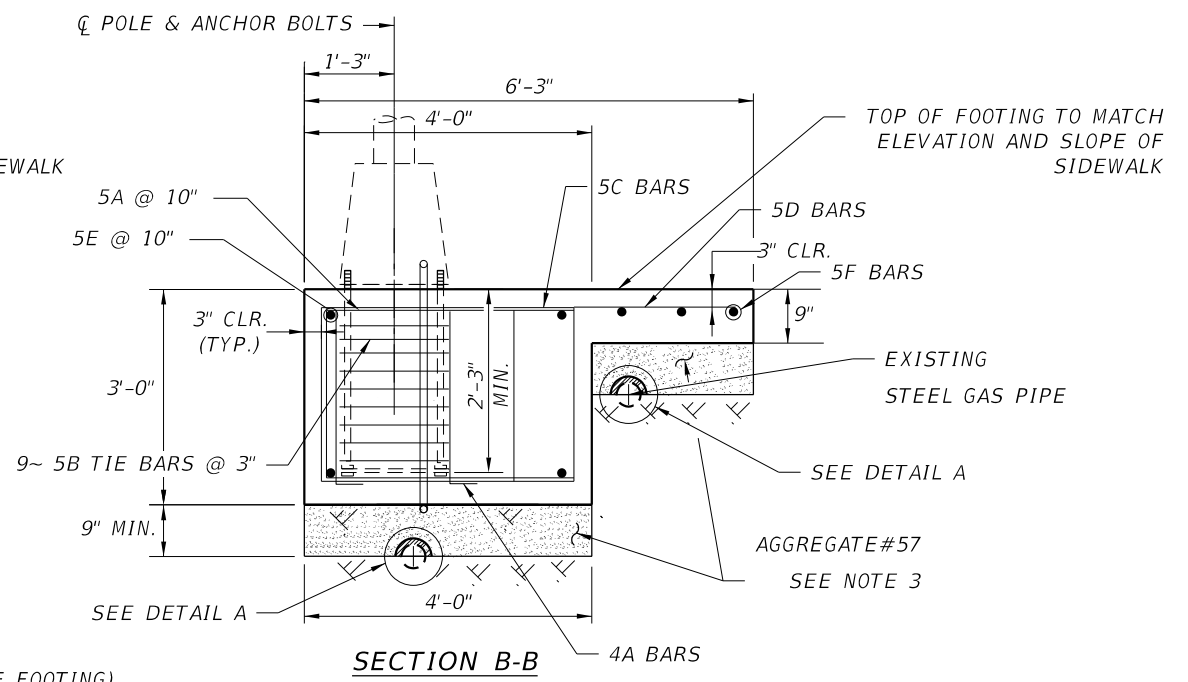
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MARK	LENGTH	NO	TYP	STY	B			C			D			
					FT	IN	FR	FT	IN	FR	FT	IN	FR	
NO. REQUIRED = 1 (POLE NO.25)														
4	A	3	0	8	10		2	4	0	8				
5	A	8	2	24	11		3	6	2	4		2	4	
5	B	7	0	9	24		9	1	0					
5	C	8	2	20	11		3	6	2	4		2	4	
5	D	5	4	12	1		5	4						
5	E	14	4	10	11		9	6	2	5		2	5	
5	F	9	6	3	1		9	6						

ESTIMATED LIGHT POLE FOUNDATION QUANTITIES PER FOOTING (LIGHT POLE)		
ITEM	UNIT	QUANTITY
CONCRETE	CY	5.1
STEEL	LB	903

- NOTES:
- WORK THIS SHEET WITH FDOT STANDARD PLAN INDEX 415-001 BAR BENDING DETAILS.
 - LOCATION OF GAS LINE IS APPROXIMATE. CONTRACTOR SHALL PRACTICE CAUTION DURING EXCAVATION TO LOCATE AND EXPOSE GAS LINE BEFORE COMMENCE OF WORK.
 - AGGREGATE#57 SHALL BE IN ACCORDANCE WITH SECTION 901 OF THE SPECIFICATIONS. COST OF EXCAVATION, SOIL DISPOSAL, SEMI-CIRCLE STEEL PIPE, COMPRESSIBLE JOINT MATERIAL AND AGGREGATE FILL SHALL BE INCLUDED IN PAY ITEM FOR THE LIGHT POLE. NO SEPARATE PAY ITEMS WILL BE ACCEPTED.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

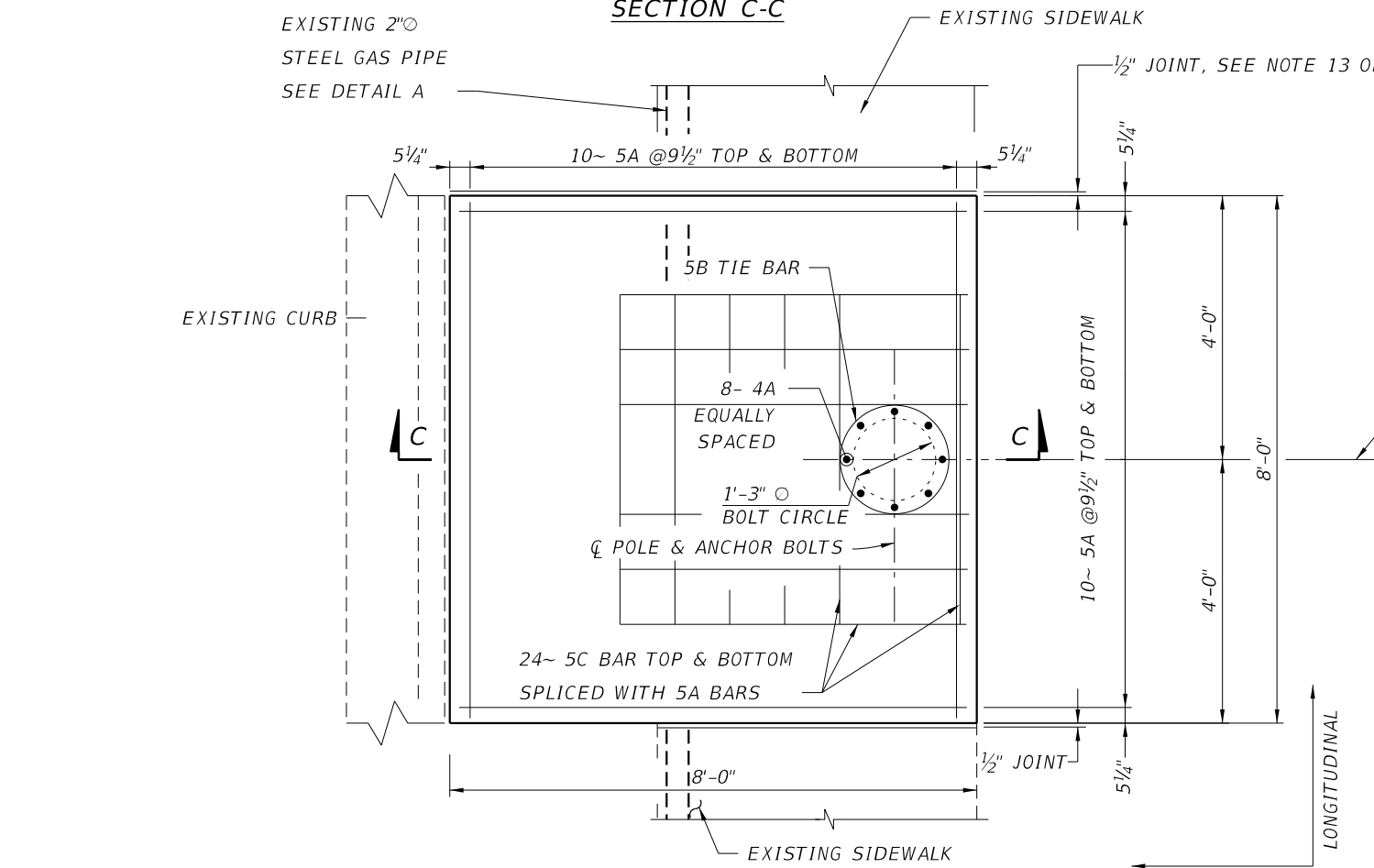
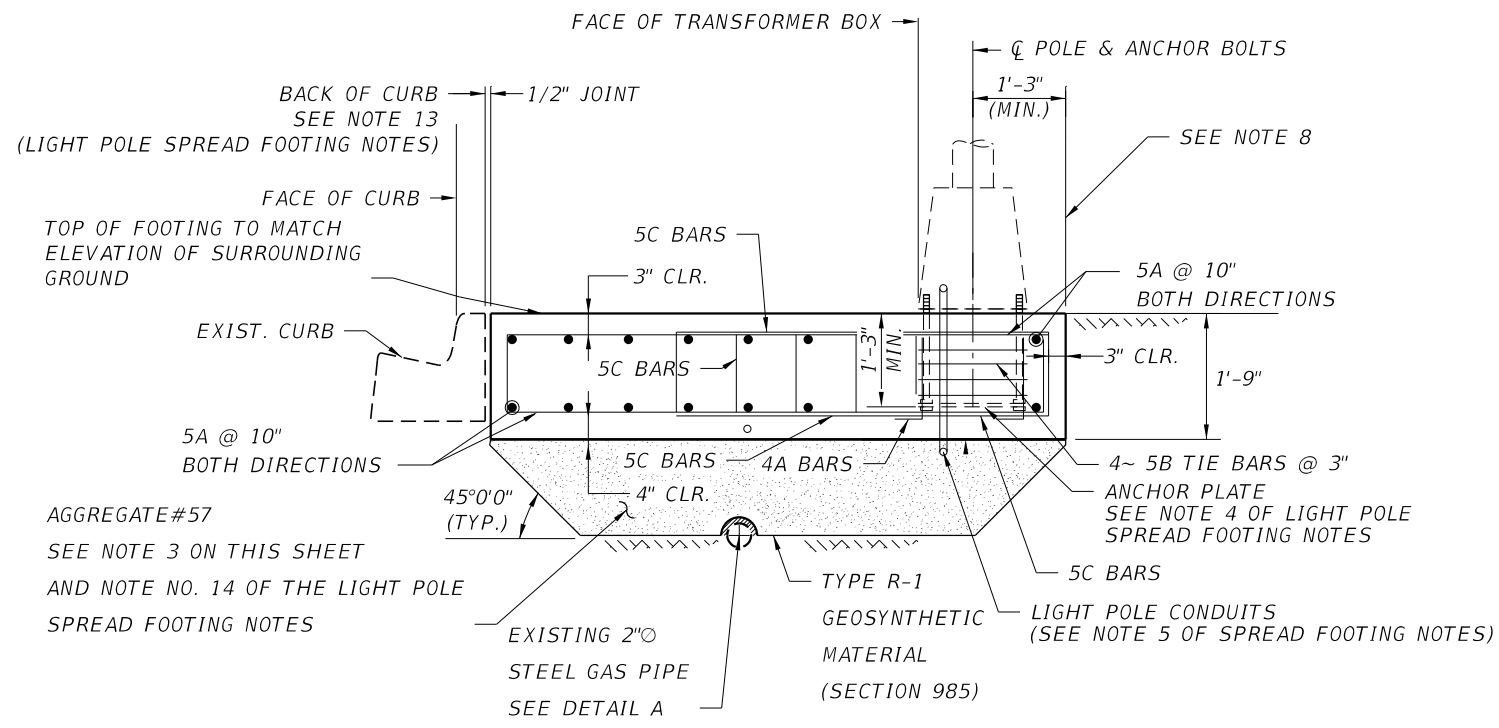
HANI N. SAMAAAN, PE
 PE LICENSE NUMBER 75855
 SCALAR CONSULTING GROUP INC.
 2250 LUCIEN WAY, SUITE 120
 MAITLAND, FLORIDA 32751
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

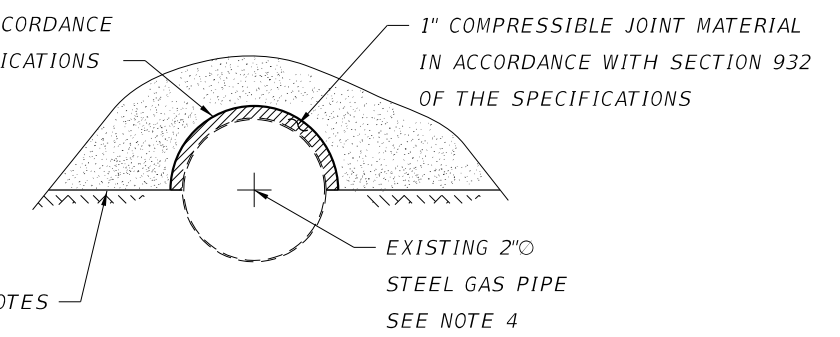
LIGHT POLE SPREAD FOOTING DETAILS (5)

SHEET NO. 30

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1/4" THK. STEEL SEMI-CIRCLE PIPE
(10'-0" LONG CENTERED UNDER THE FOOTING)
SEMI-CIRCLE PIPE SHALL BE IN ACCORDANCE
WITH SECTION 944 OF THE SPECIFICATIONS



DETAIL A

MARK	LENGTH	NO	TYP	STY	B		C		D			
SIZE	DES	FT	IN	BAR	A	G	FT	IN	FR	FT	IN	FR
NO. REQUIRED = 1 (POLE NO.26)												
4	A	1	9	8	10		1	1	0	8		
5	A	9	8	40	11		7	6	1	1	1	1
5	B	7	0	4	24		0	9	1	0		
5	C	7	8	24	11		5	6	1	1	1	1

ESTIMATED LIGHT POLE FOUNDATION QUANTITIES PER FOOTING (LIGHT POLE)		
ITEM	UNIT	QUANTITY
CONCRETE	CY	4.2
STEEL	LB	634

- NOTES:**
- 1- WORK THIS SHEET WITH FDOT STANDARD PLANS INDEX 415-001 BAR BENDING DETAILS
 - 2- WORK THIS SHEET WITH STANDARD PLANS INDEX 715-002.
 - 3- AGGREGATE#57 SHALL BE IN ACCORDANCE WITH SECTION 901 OF THE SPECIFICATIONS. COST OF EXCAVATION, SOIL DISPOSAL, SEMICIRCLE STEEL PIPE, COMPRESSIBLE JOINT MATERIAL AND AGGREGATE FILL SHALL BE INCLUDED IN THE PAY ITEM OF POLE#26. NO SEPARATE PAY ITEMS WILL BE ACCEPTED. LENGTH OF EXCAVATION AND FILL IN THE LONGITUDINAL DIMENSION IS 10'-0" MIN. SEE NOTE 14 OF THE LIGHT POLE SPREAD FOOTING NOTES.
 - 4- IF FOOTING DIMENSIONS EXTEND BEYOND THE FILL AREA IN THE TRANSVERSE DIRECTION, COMPACT SOIL UNDER THE FOOTING IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATIONS -SECTION 455.
 - 5- ENSURE THE SHORING AND STABILITY OF THE SIDEWALK DURING CONSTRUCTION
 - 6- SHOWN LOCATION OF GAS LINE IS APPROXIMATE.
 - 7- WORK THIS SHEET WITH FDOT STANDARD PLAN INDEX 415-001 BAR BENDING DETAILS
 - 8- ALIGN FOOTING EDGE WITH BACK OF SIDEWALK

REVISIONS				HANI N. SAMAAAN, PE PE LICENSE NUMBER 75855 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FLORIDA 32751 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHT POLE SPREAD FOOTING DETAILS (6)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	SARASOTA		440136-1-52-01

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TRAFFIC CONTROL NOTES

1. CONSTRUCT LIGHT POLES, FOUNDATIONS, CONDUIT, PULL BOXES AND OTHER INCIDENTAL CONSTRUCTION IN ACCORDANCE WITH STANDARD PLANS INDEXES 102-005, 102-010, 102-045, AND 102-075 AS APPLICABLE.
2. 14 DAYS PRIOR TO CONSTRUCTION, PLACE, AS DIRECTED BY THE ENGINEER, ONE PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGN (PCMS) FOR EACH END OF THE PROJECT.

MESSAGE 1:



MESSAGE 2:



DURING CONSTRUCTION (IF LANE CLOSURE) (CHOOSE ONE OF THE FOLLOWING)

MESSAGE 1:



MESSAGE 2:



MESSAGE 1:



MESSAGE 2:



3. THE EXISTING POSTED SPEEDS WILL BE MAINTAINED DURING CONSTRUCTION.
4. LANE CLOSURE RESTRICTIONS:
NO LANE CLOSURES WILL BE ALLOWED FROM 6:30 A.M. TO 11:30 P.M.
5. ENSURE THAT TEMPORARY CURB RAMPS DO NOT OBSTRUCT DRAINAGE RUNOFF. REMOVE EXIST. CURB AND GUTTER PRIOR TO PLACEMENT OF TEMPORARY CURB RAMPS AND CONSTRUCT CURB AND GUTTER AFTER REMOVAL OF TEMPORARY CURB RAMPS AS QUANTIFIED IN PLANS.
6. WHEN CONSTRUCTION ACTIVITIES INVOLVE SIDEWALKS ON BOTH SIDES OF THE STREET, STAGE THE CONSTRUCTION SO THAT ONE SIDEWALK IS IN SERVICE AT ALL TIMES.

TRAFFIC CONTROL LEGEND

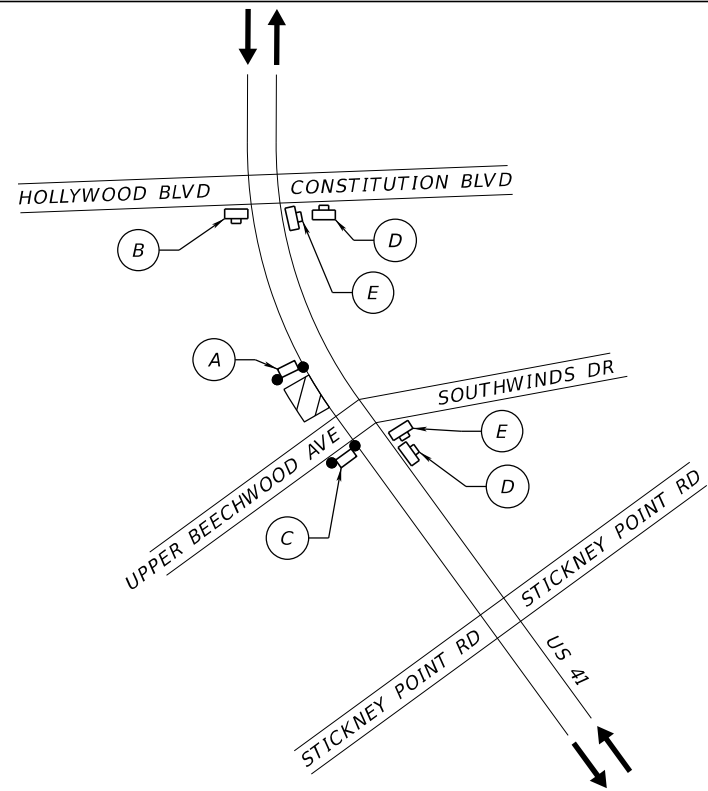
- PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)
- PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD) WITH MOUNTED WORK ZONE SIGN OR SEPARATE WORK ZONE SIGN
- WORK AREA
- WORK ZONE SIGN
- TEMPORARY ADA SURFACE (SIDEWALK, CURB RAMP)

(A)	SIDEWALK CLOSED	R9-9	(G)	PEDESTRIAN WALKWAY	MOT-12-06L
(B)	SIDEWALK CLOSED AHEAD ← CROSS HERE	R9-11L	(H)	PEDESTRIAN WALKWAY →	MOT-12-06R
(C)	SIDEWALK CLOSED AHEAD → CROSS HERE	R9-11R	(I)	PEDESTRIAN AHEAD	W11-2 W16-9P
(D)	DETOUR ←	M4-9BL	(J)	PEDESTRIAN AHEAD	W11-2 W16-7P
(E)	DETOUR →	M4-9BR			
(F)	SIDEWALK CLOSED ↔ USE OTHER SIDE	R9-10			

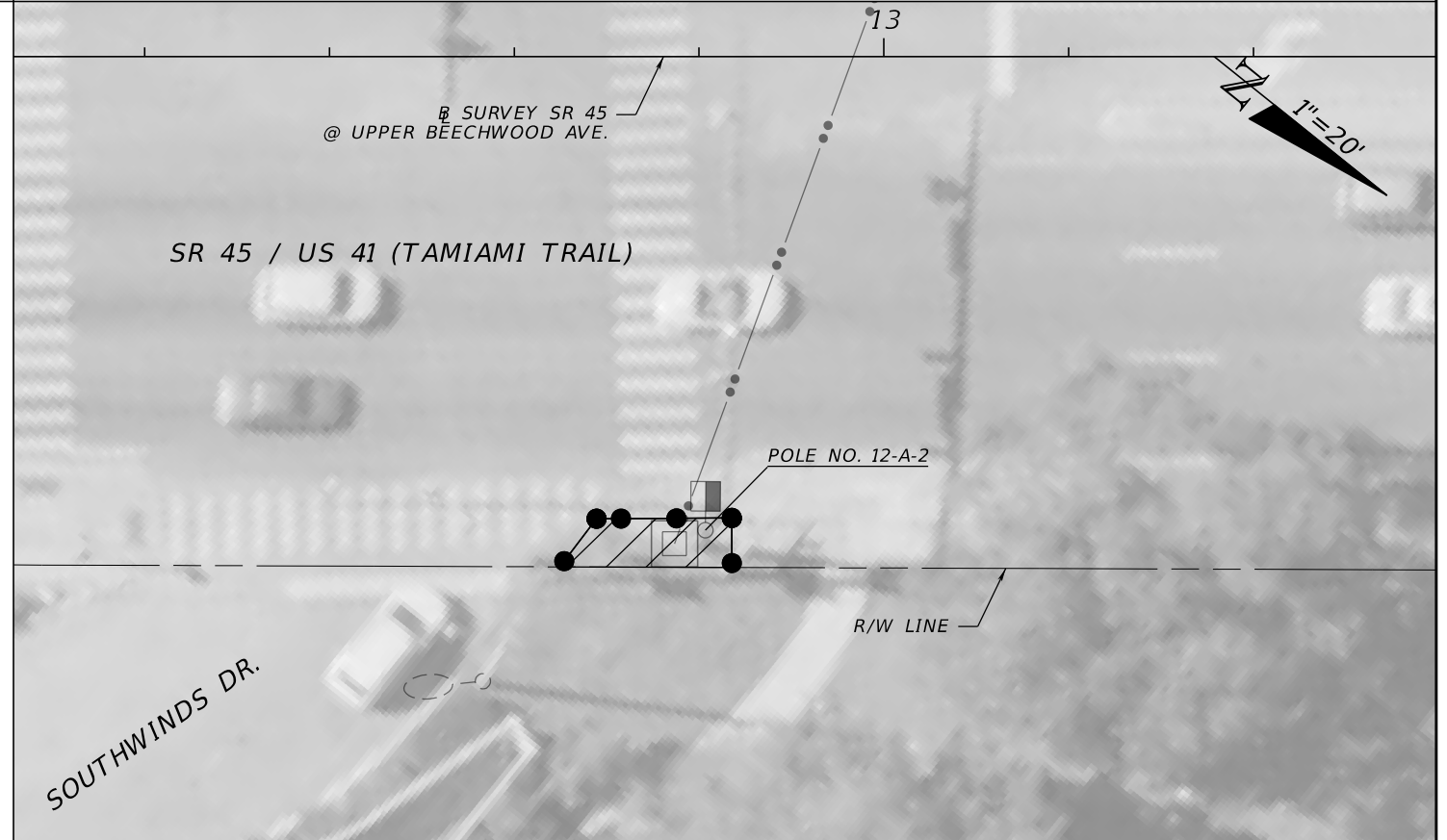
REVISIONS				JAMES MICHAEL WINTER, JR., PE PE LICENSE NUMBER 55514 SCALAR CONSULTING GROUP INC. 13337 N. 56TH STREET TAMPA, FLORIDA 33617 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	SARASOTA		440136-1-52-01

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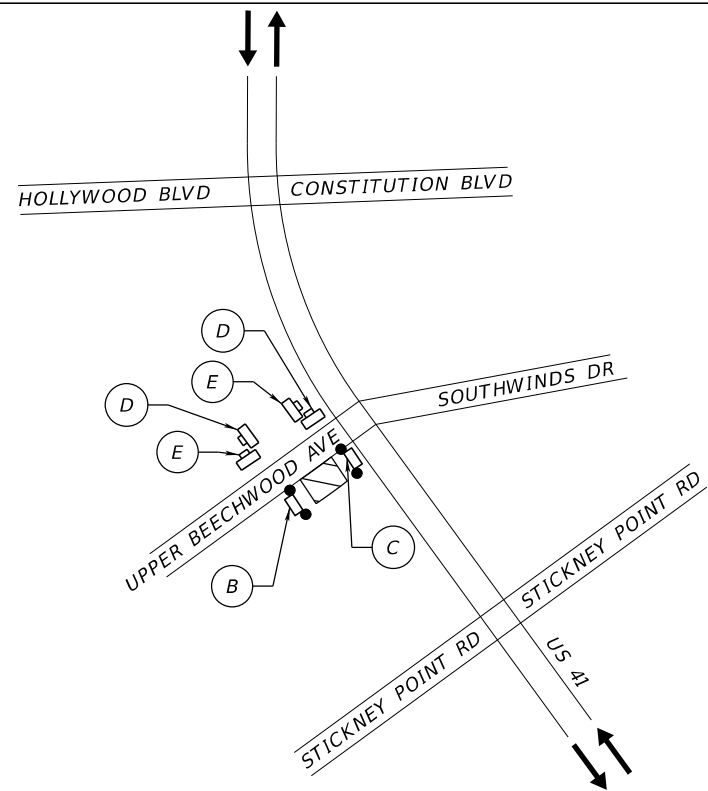
NORTHWEST QUADRANT



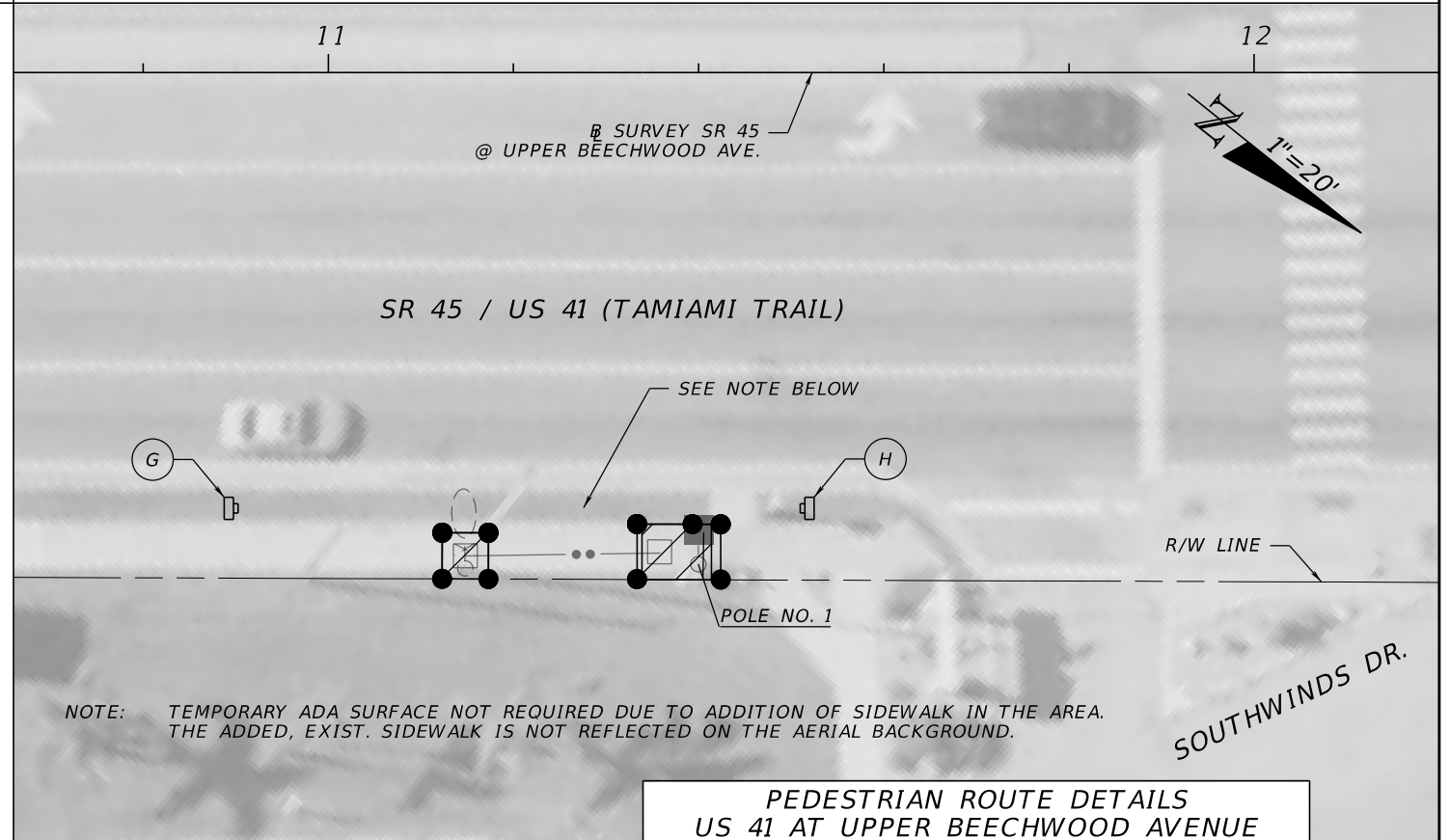
NORTHEAST QUADRANT



SOUTHWEST QUADRANT



SOUTHEAST QUADRANT



PEDESTRIAN ROUTE DETAILS
US 41 AT UPPER BEECHWOOD AVENUE

TEMPORARY TRAFFIC
CONTROL PLAN

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

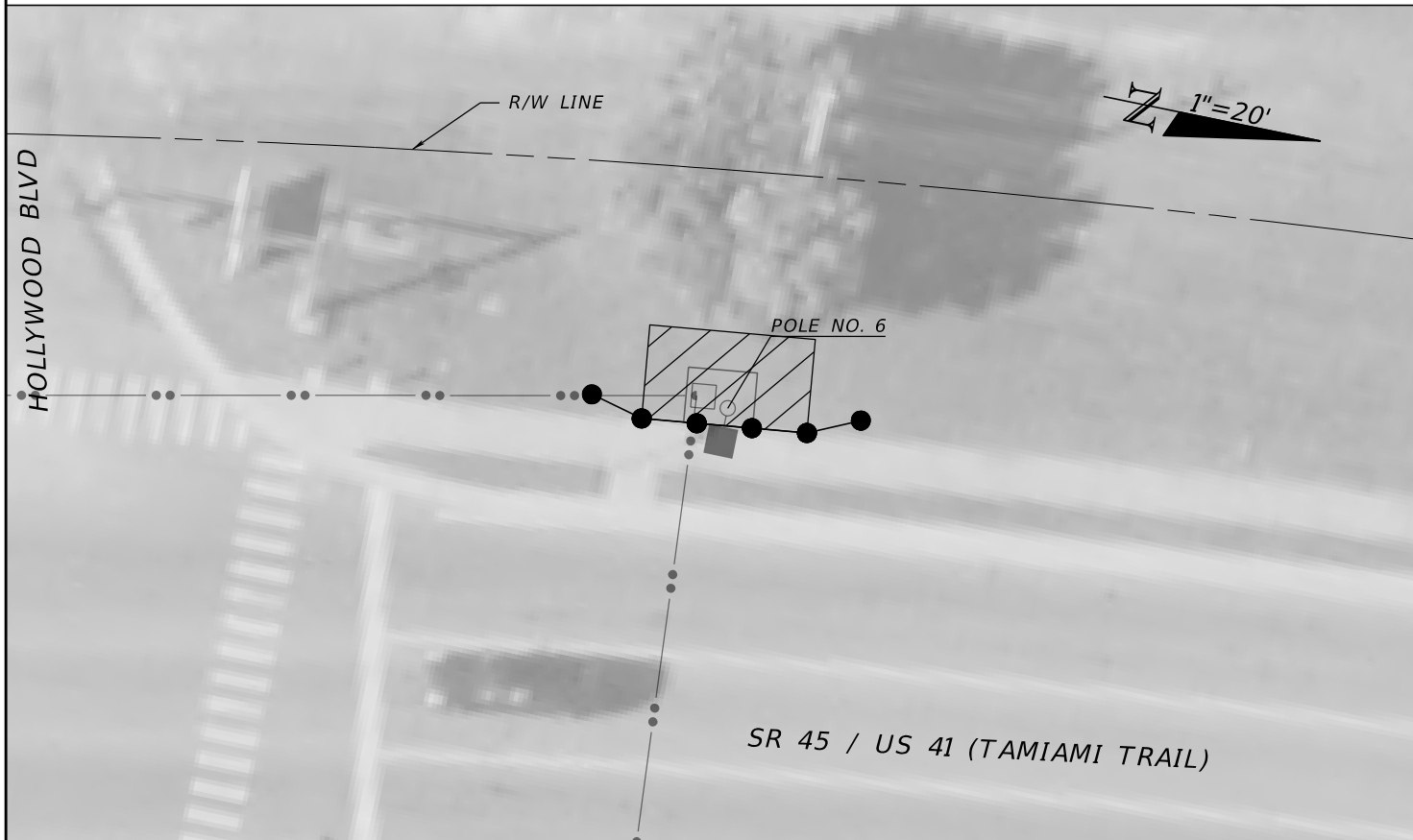
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

SHEET NO.

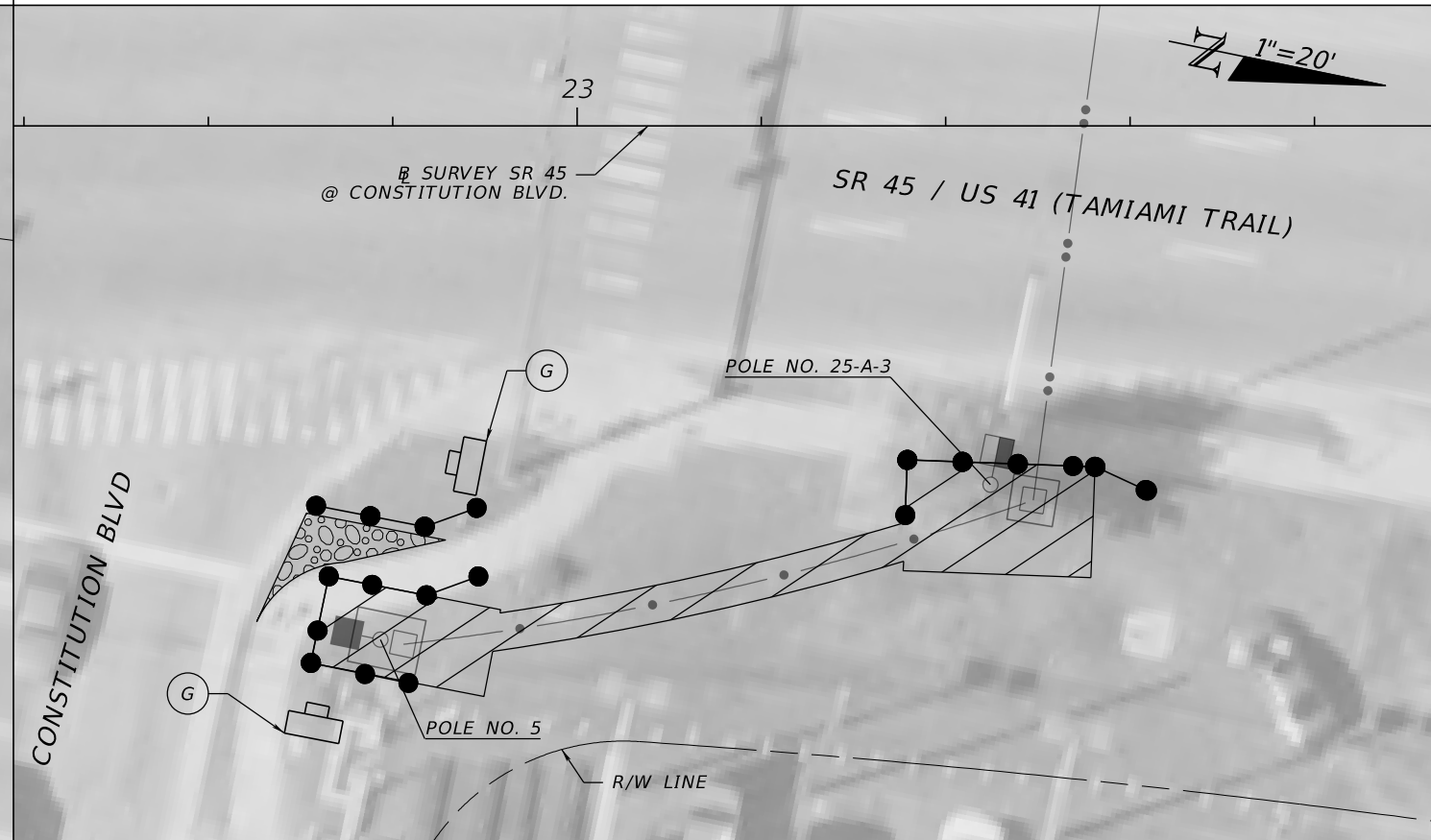
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

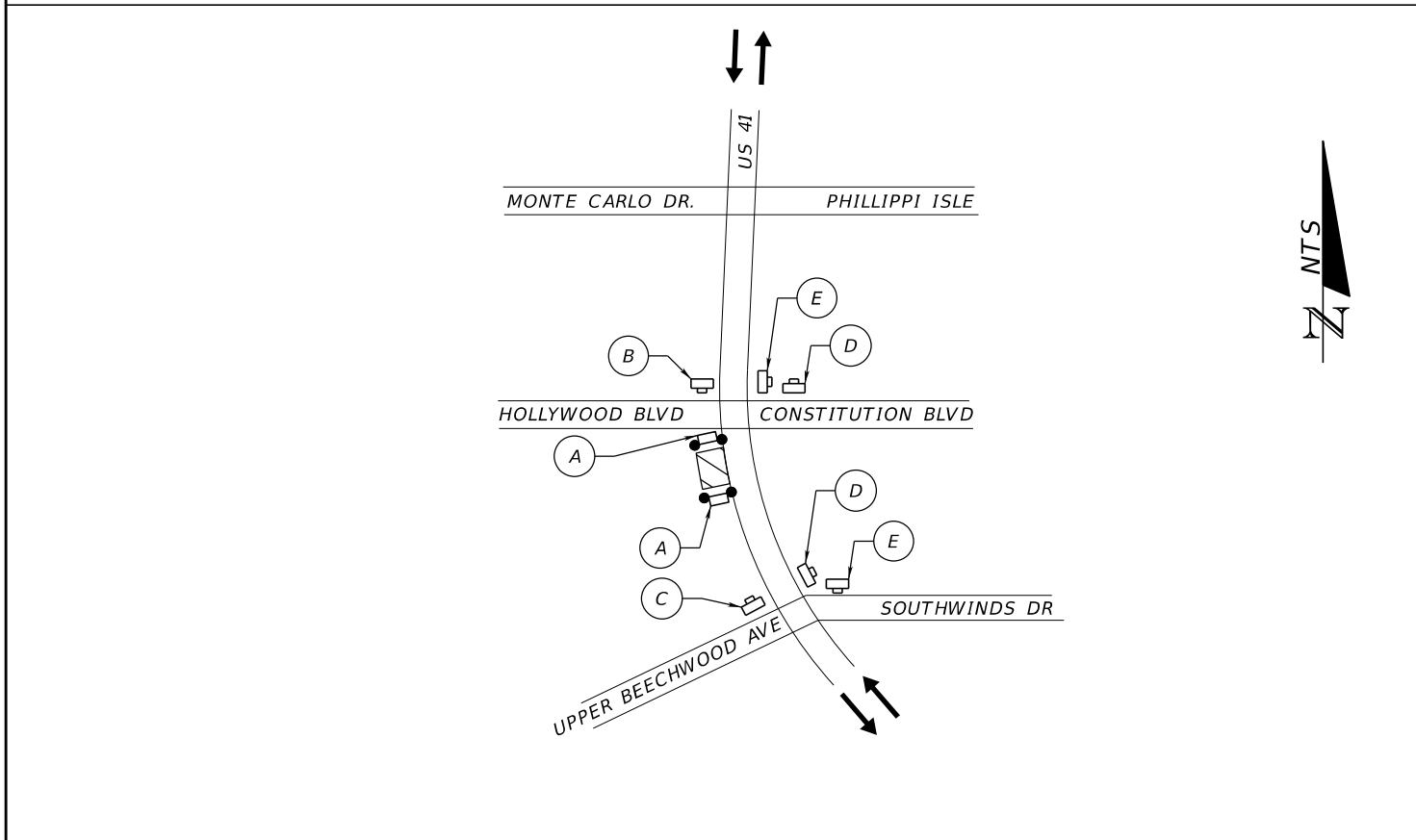
NORTHWEST QUADRANT



NORTHEAST QUADRANT



SOUTHWEST QUADRANT



SOUTHEAST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

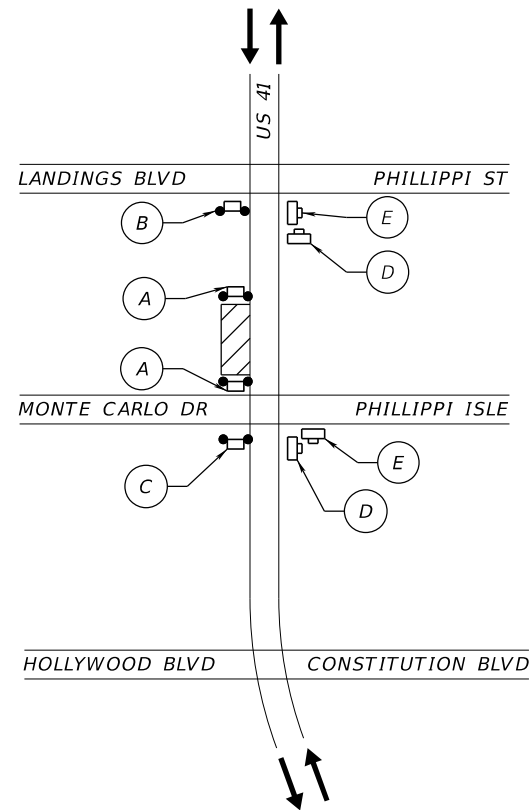
PEDESTRIAN ROUTE DETAILS
US 41 AT CONSTITUTION BOULEVARD

**TEMPORARY TRAFFIC
CONTROL PLAN**

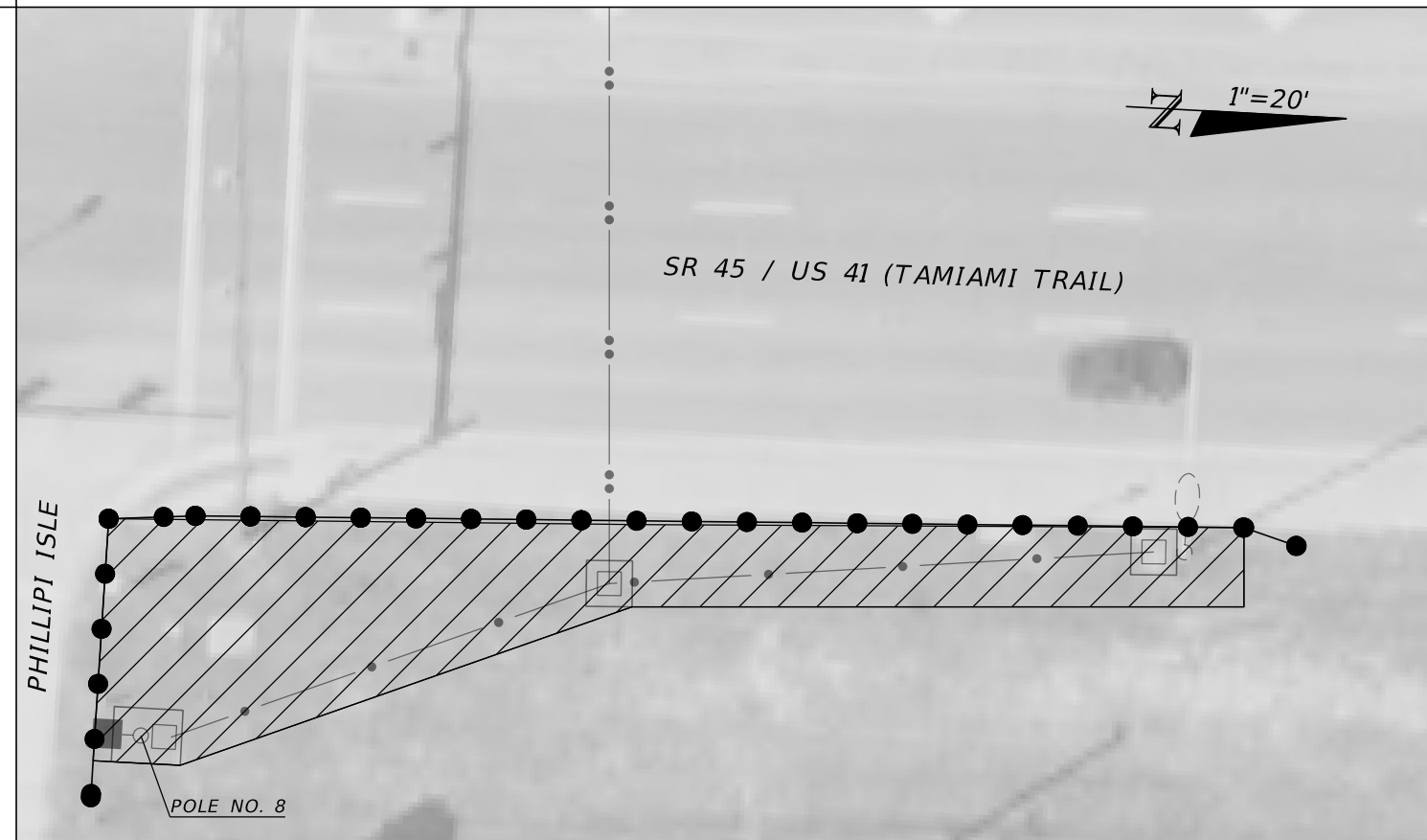
SHEET NO.
34

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NORTHWEST QUADRANT



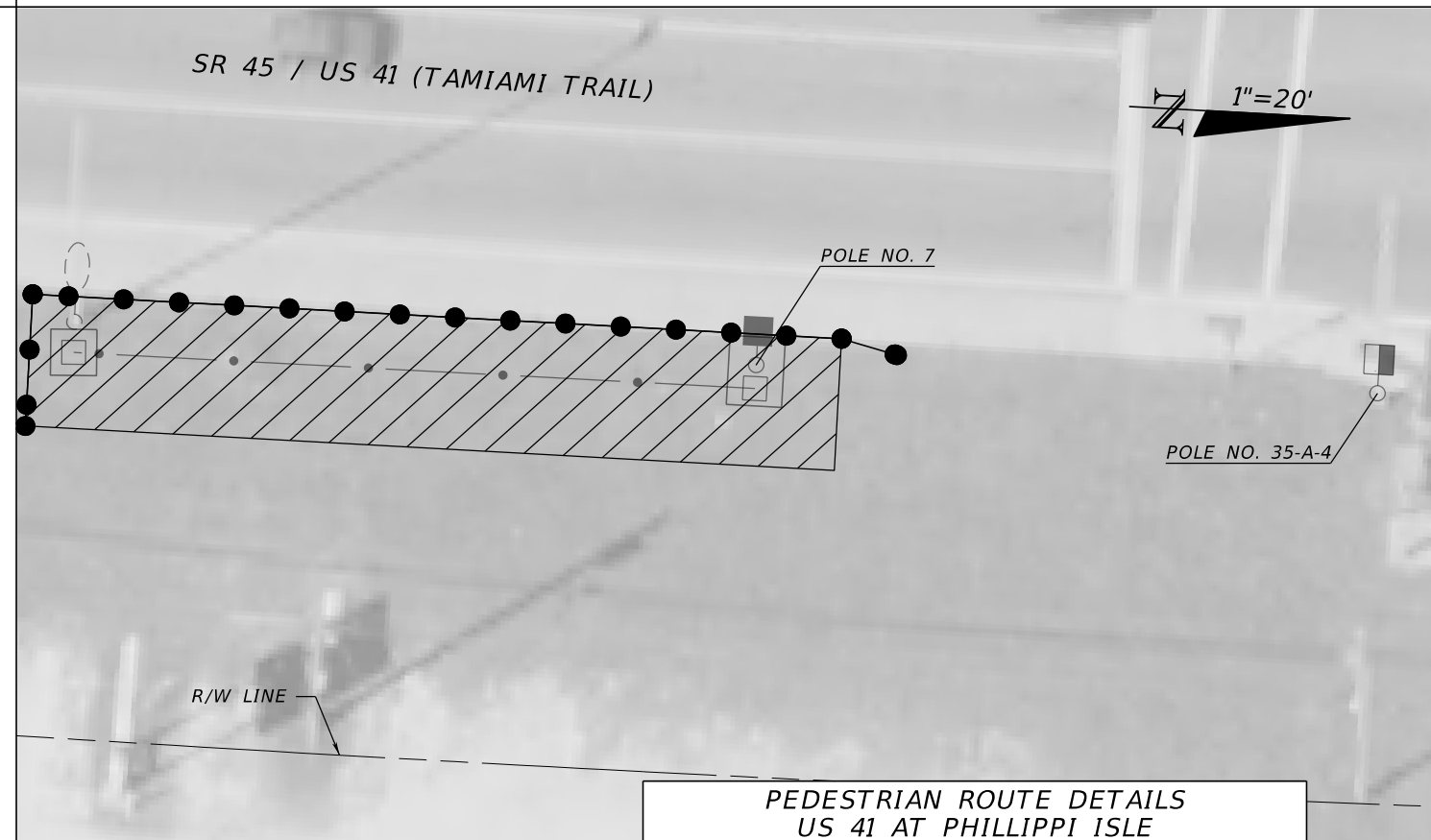
NORTHEAST QUADRANT



SOUTHWEST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

SOUTHEAST QUADRANT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

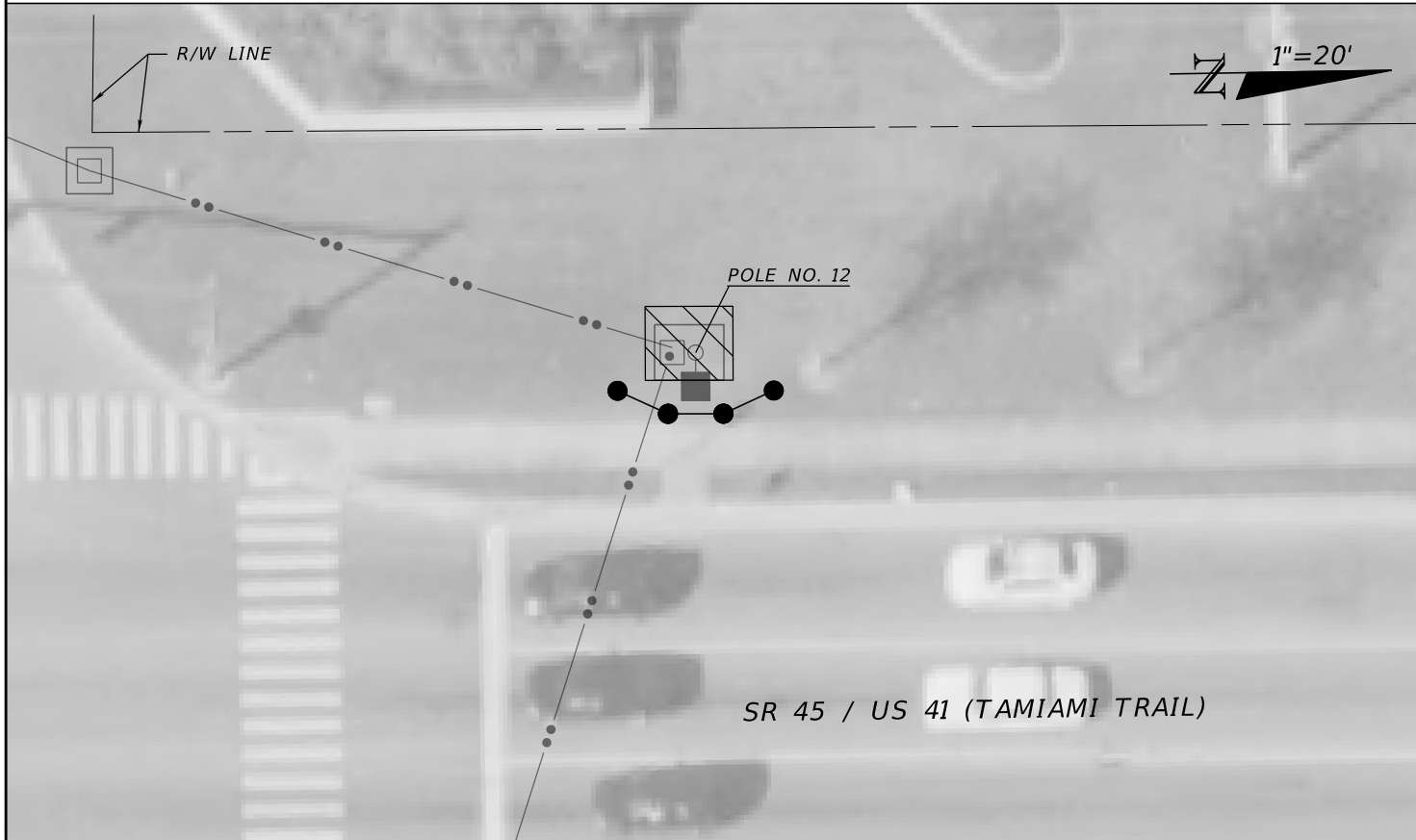
PEDESTRIAN ROUTE DETAILS
US 41 AT PHILLIPPI ISLE

TEMPORARY TRAFFIC
CONTROL PLAN

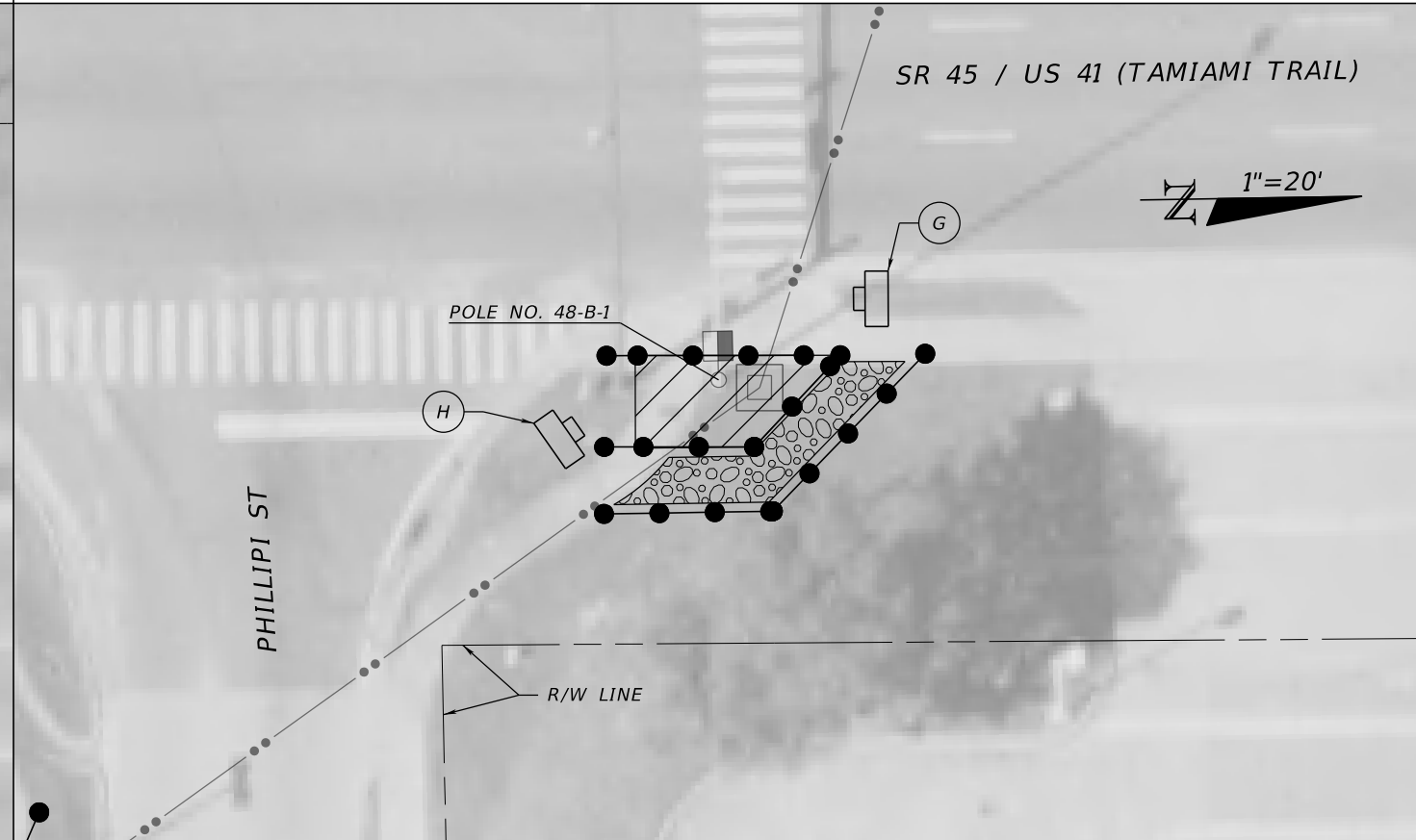
SHEET NO.
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NORTHWEST QUADRANT



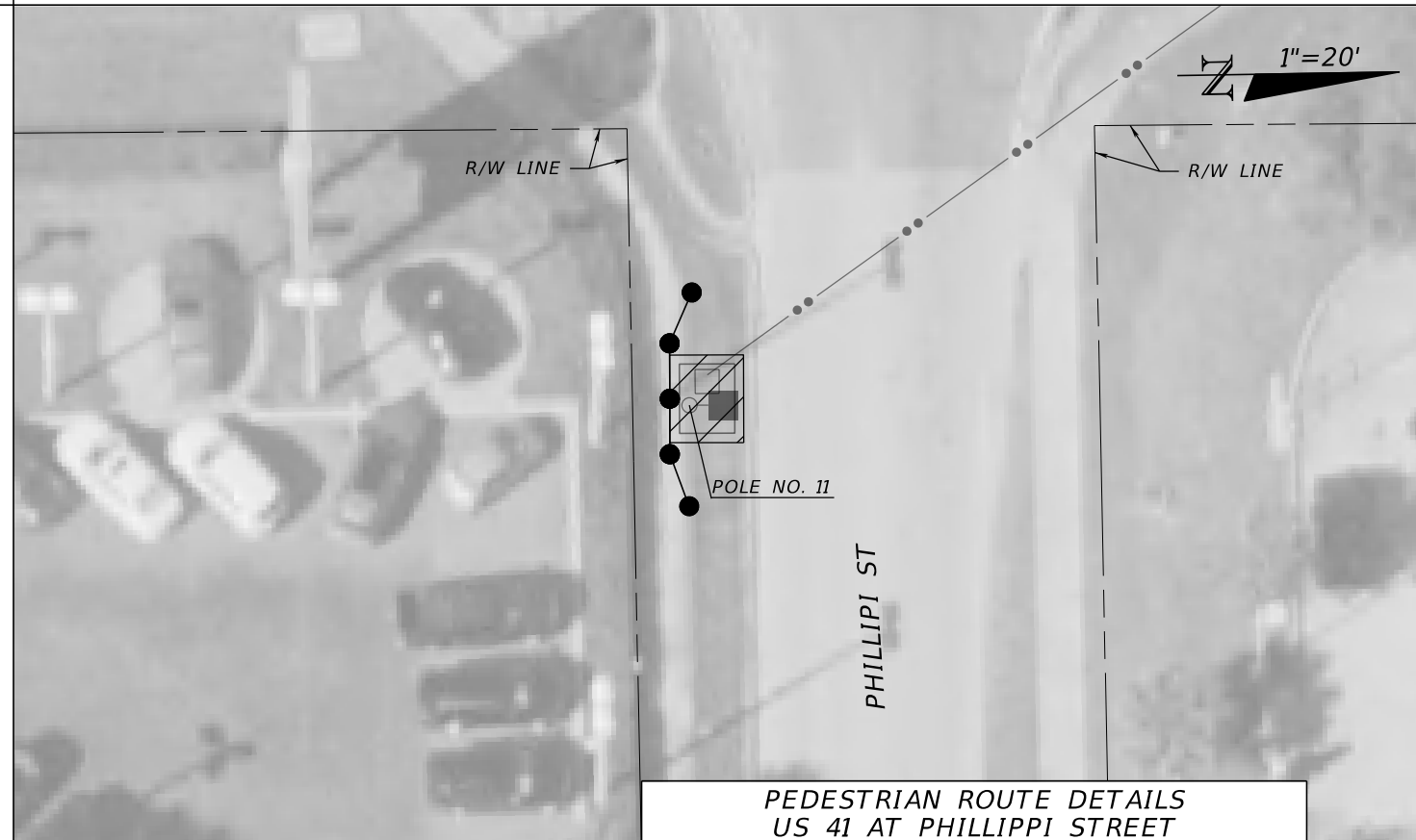
NORTHEAST QUADRANT



SOUTHWEST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

SOUTHEAST QUADRANT



PEDESTRIAN ROUTE DETAILS
US 41 AT PHILLIPPI STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

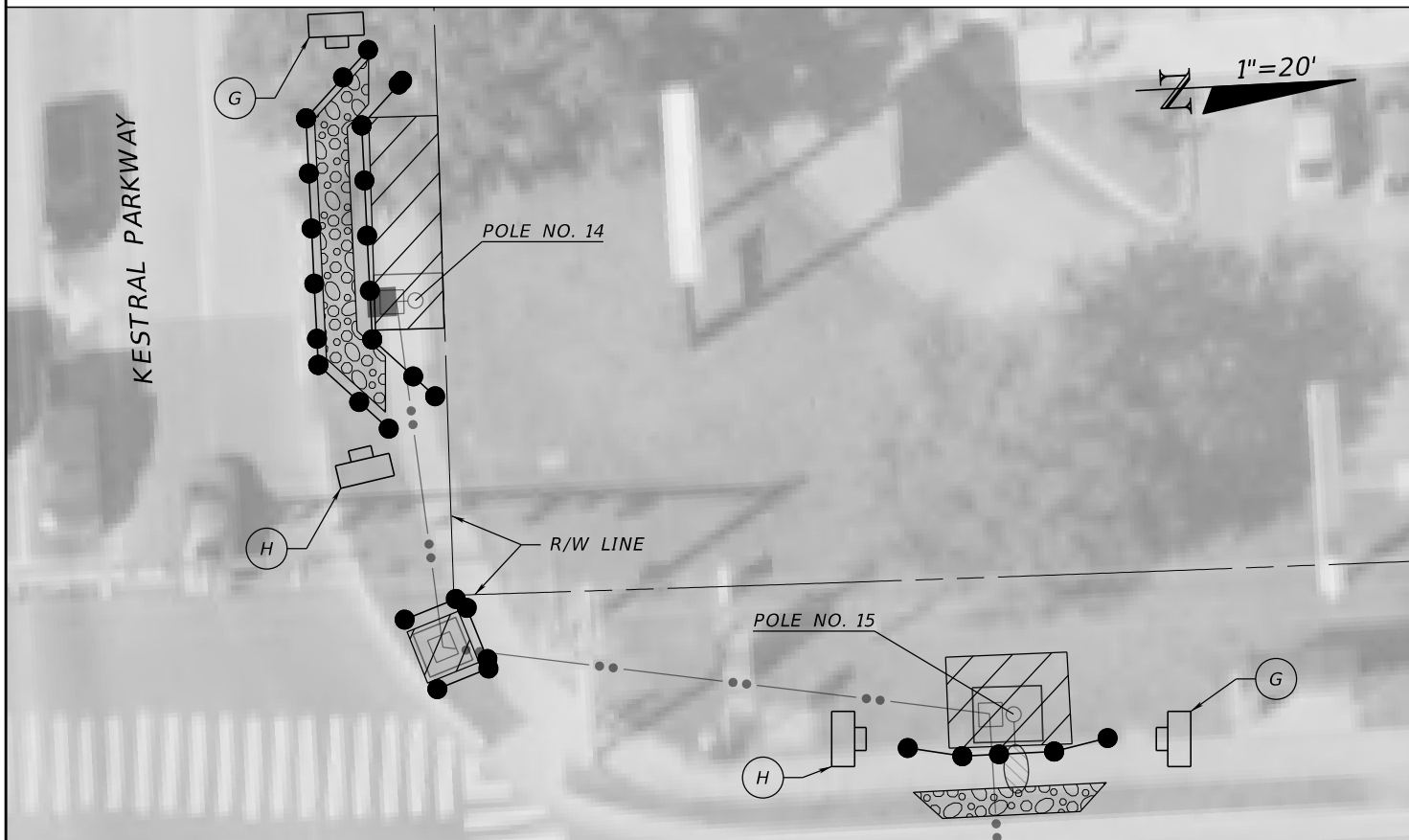
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

TEMPORARY TRAFFIC
CONTROL PLAN

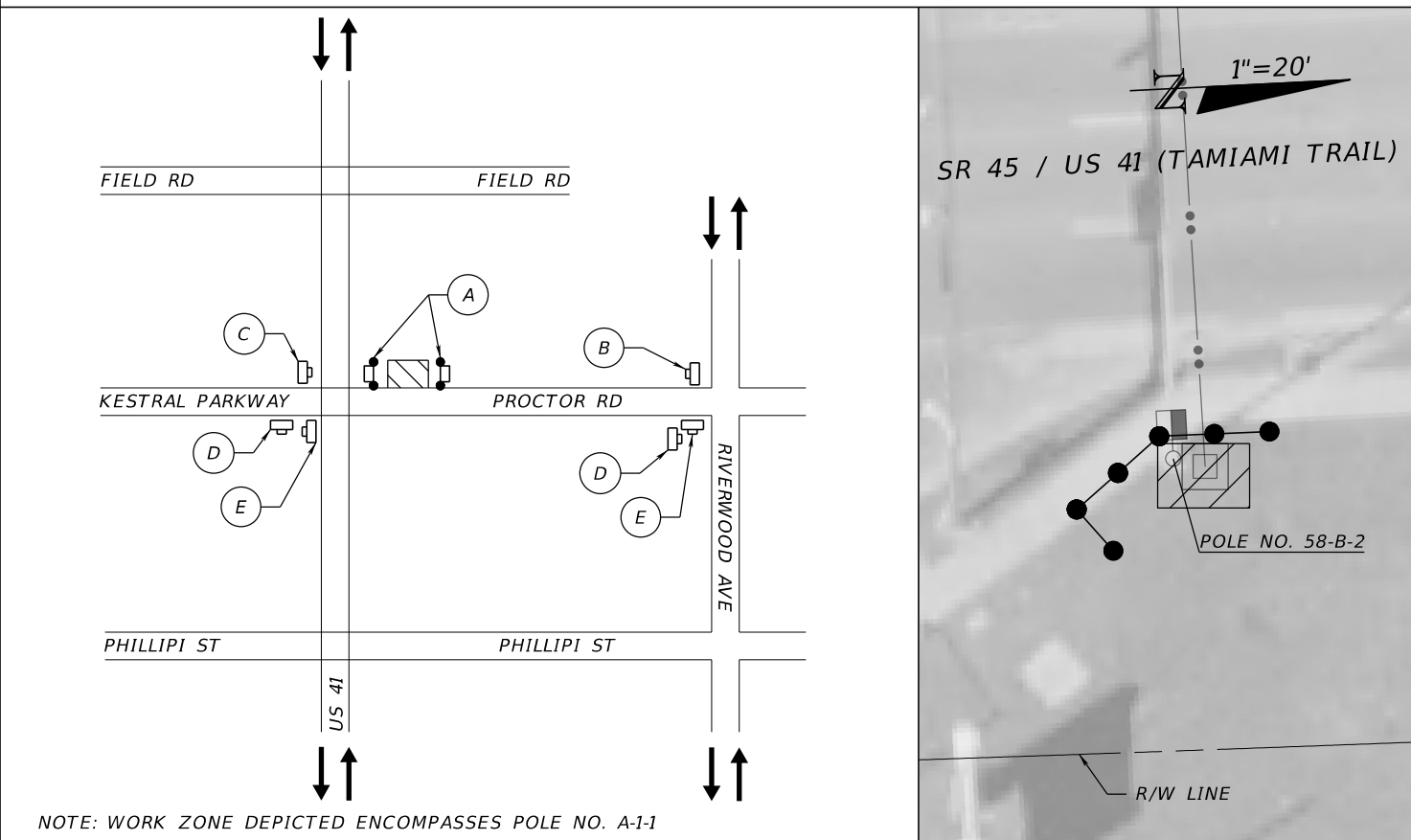
SHEET
NO.
36

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NORTHWEST QUADRANT



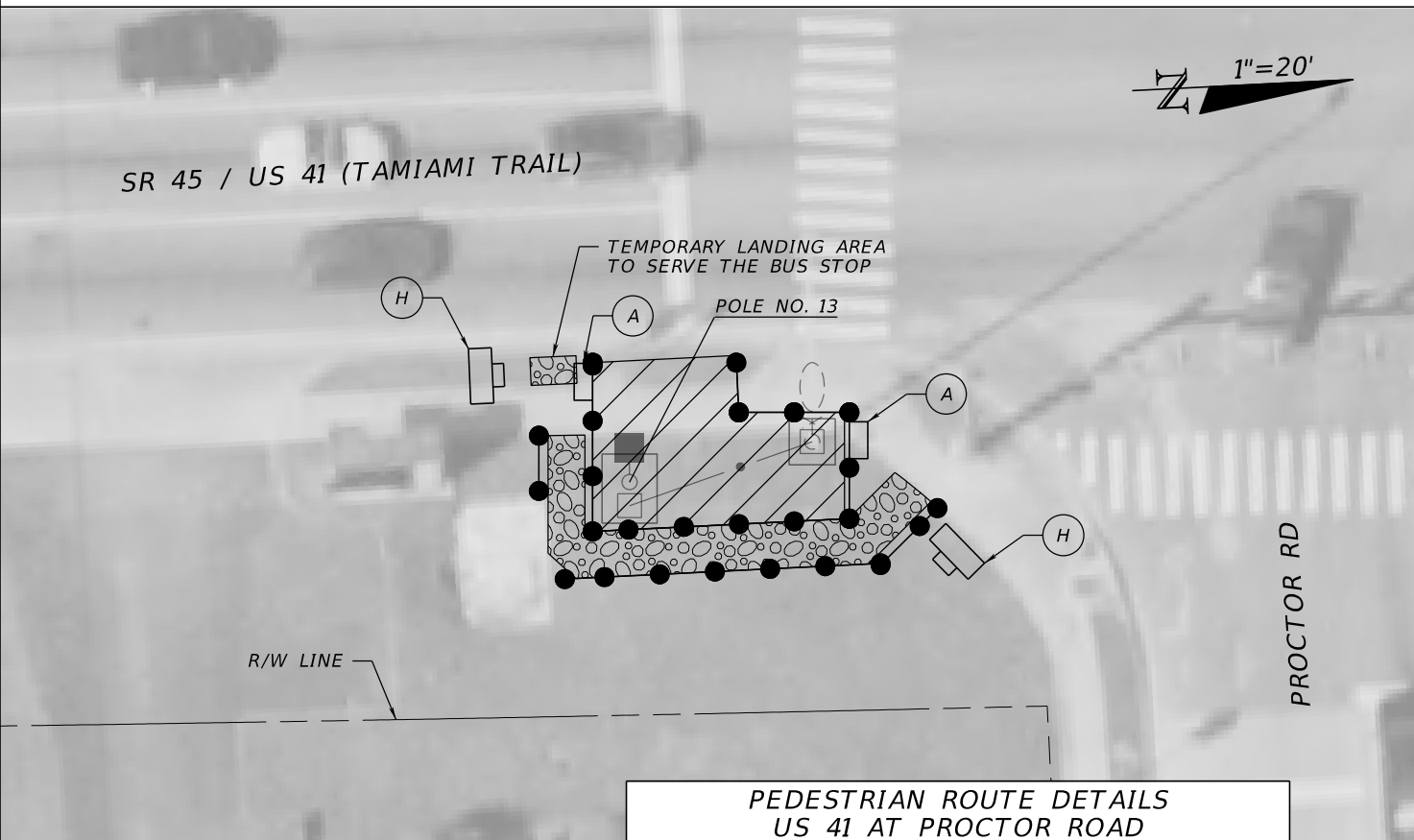
NORTHEAST QUADRANT



SOUTHWEST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

SOUTHEAST QUADRANT



PEDESTRIAN ROUTE DETAILS
US 41 AT PROCTOR ROAD

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

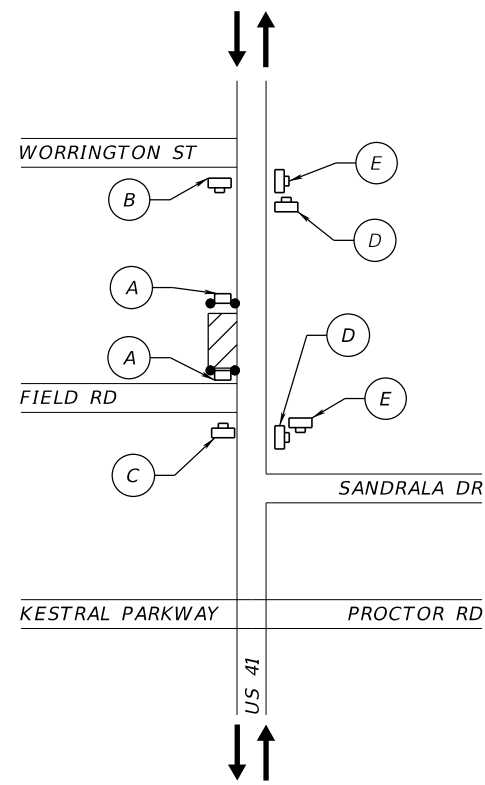
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

**TEMPORARY TRAFFIC
CONTROL PLAN**

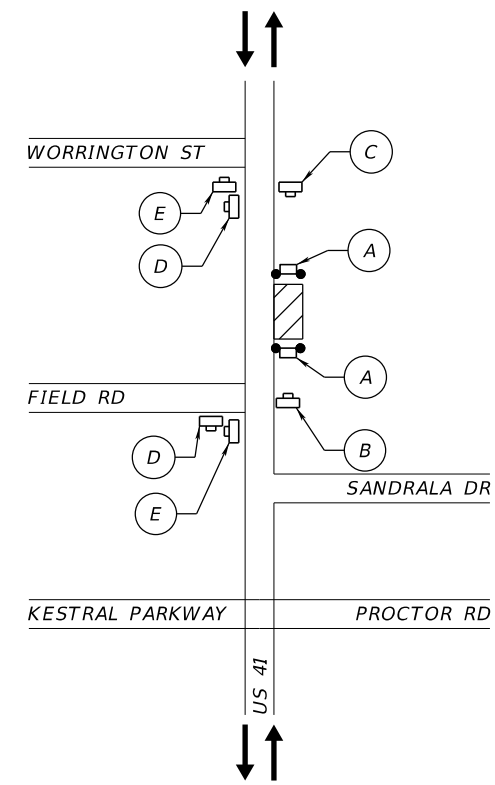
SHEET
NO.
37

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NORTHWEST QUADRANT



NORTHEAST QUADRANT



SOUTHWEST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

SOUTHEAST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

PEDESTRIAN ROUTE DETAILS
US 41 AT FIELD ROAD

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

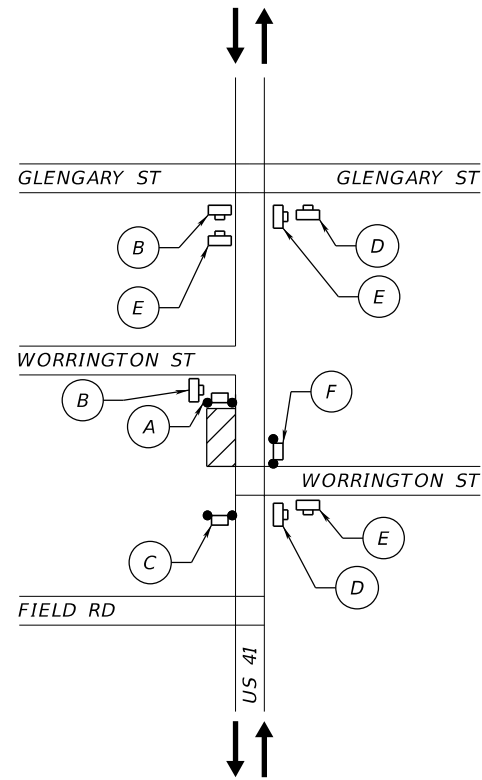
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

TEMPORARY TRAFFIC
CONTROL PLAN

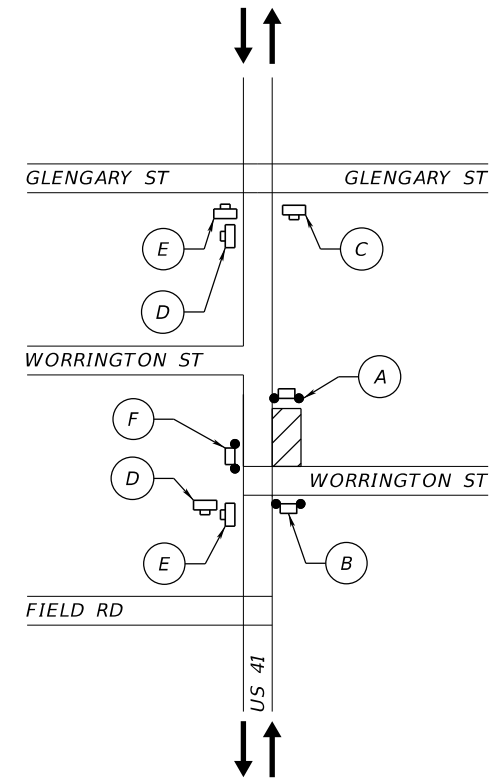
SHEET
NO.

38

NORTHWEST QUADRANT



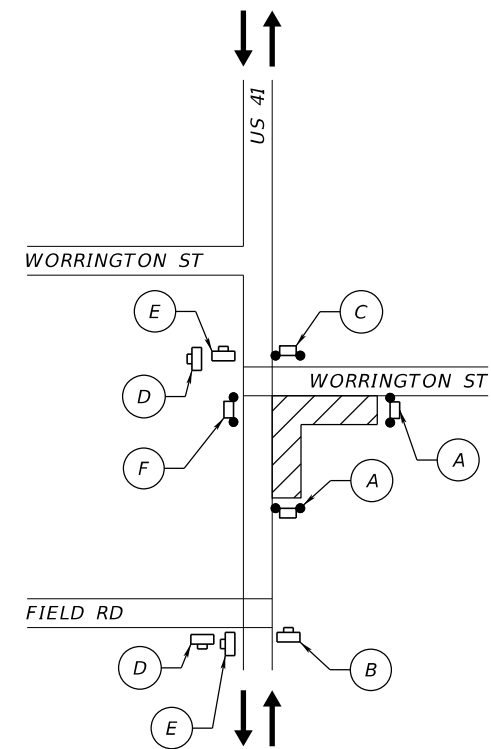
NORTHEAST QUADRANT



SOUTHWEST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

SOUTHEAST QUADRANT



PEDESTRIAN ROUTE DETAILS
US 41 AT WORRINGTON STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

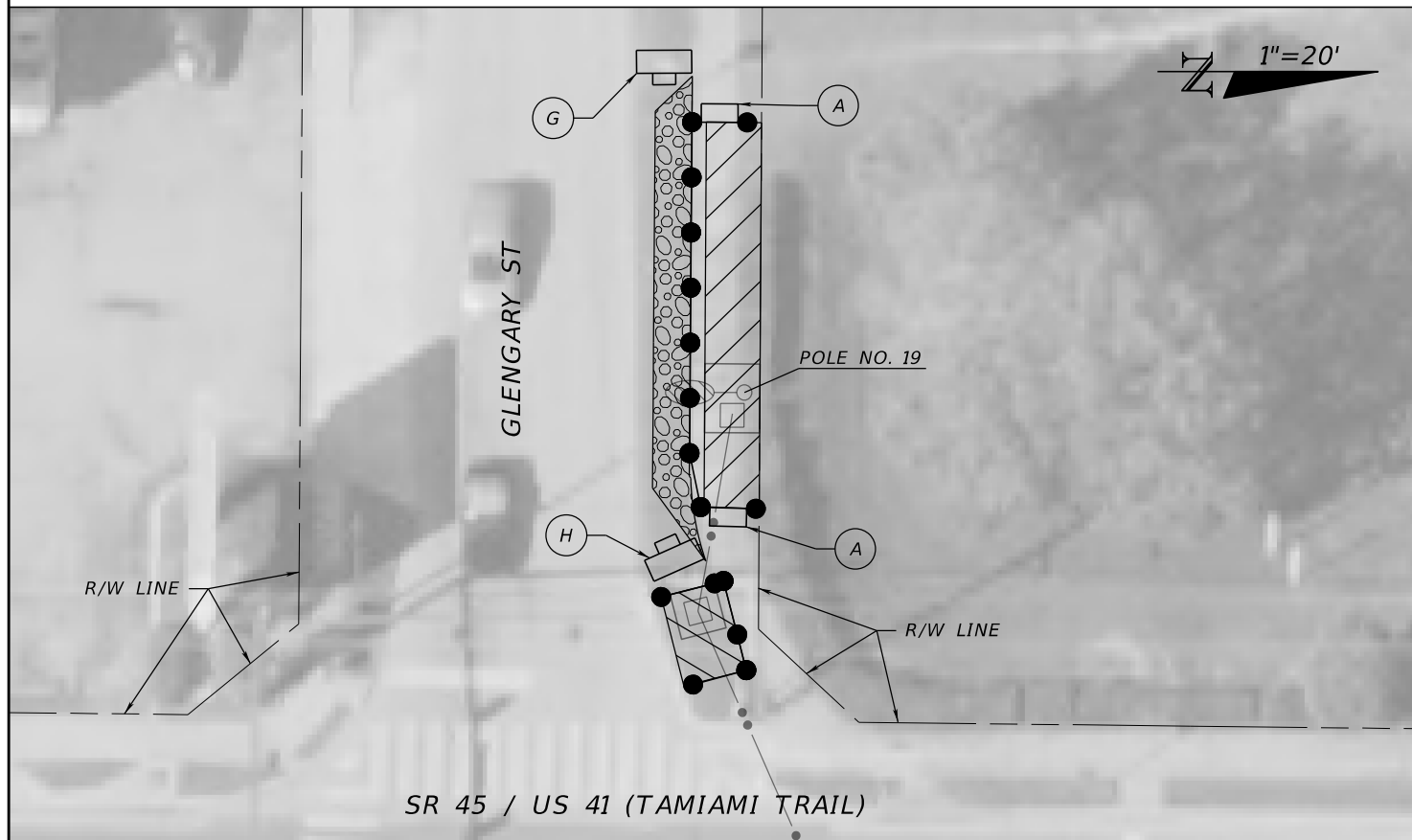
JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

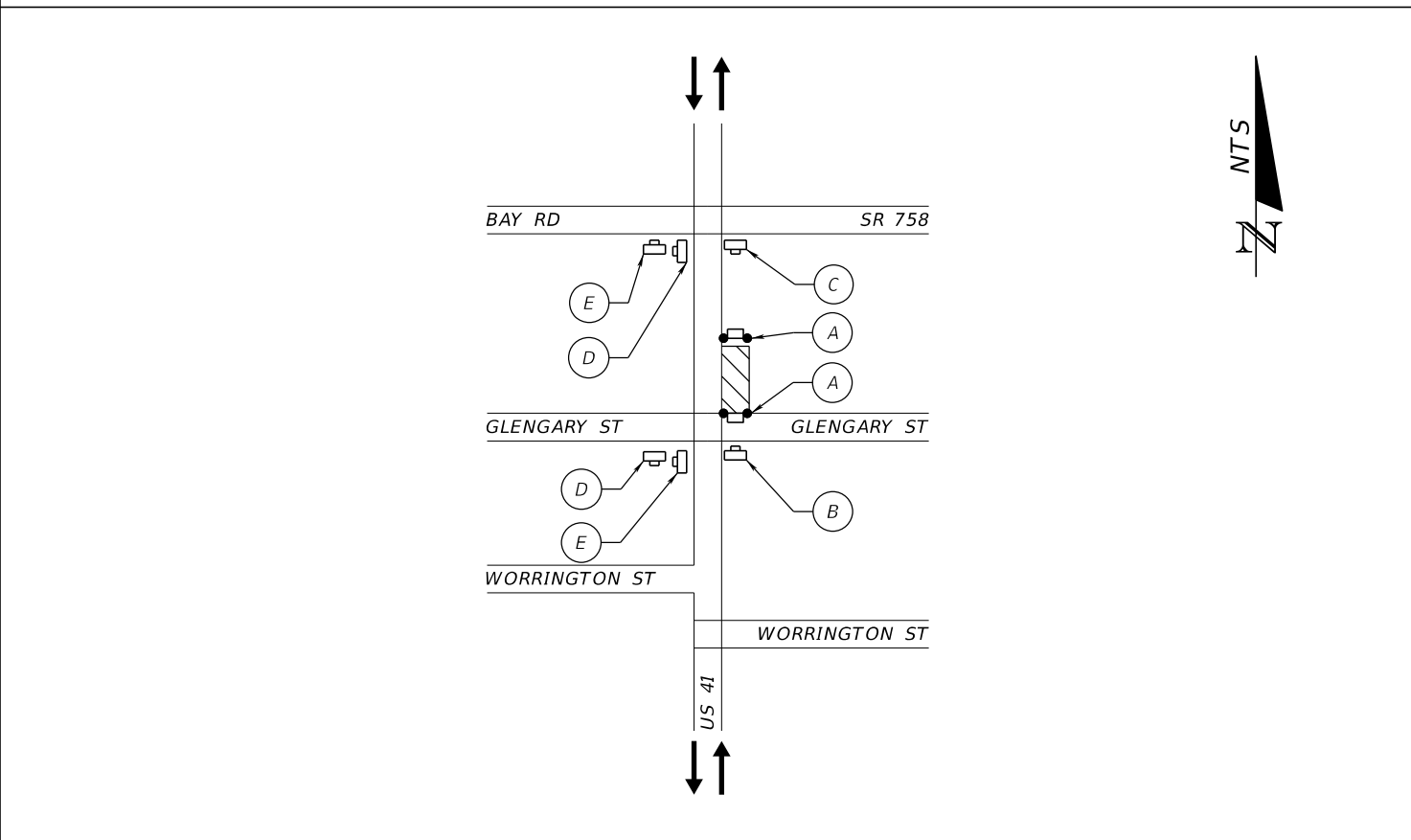
TEMPORARY TRAFFIC
CONTROL PLAN

SHEET
NO.
39

NORTHWEST QUADRANT



NORTHEAST QUADRANT



SOUTHWEST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

SOUTHEAST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

PEDESTRIAN ROUTE DETAILS
US 41 AT GLENGARY STREET

TEMPORARY TRAFFIC
CONTROL PLAN

SHEET
NO.

40

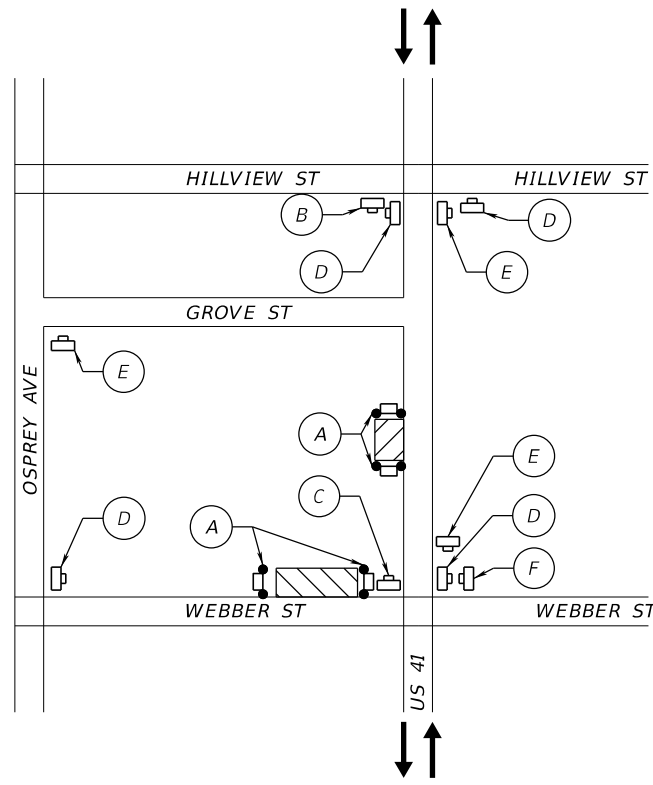
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

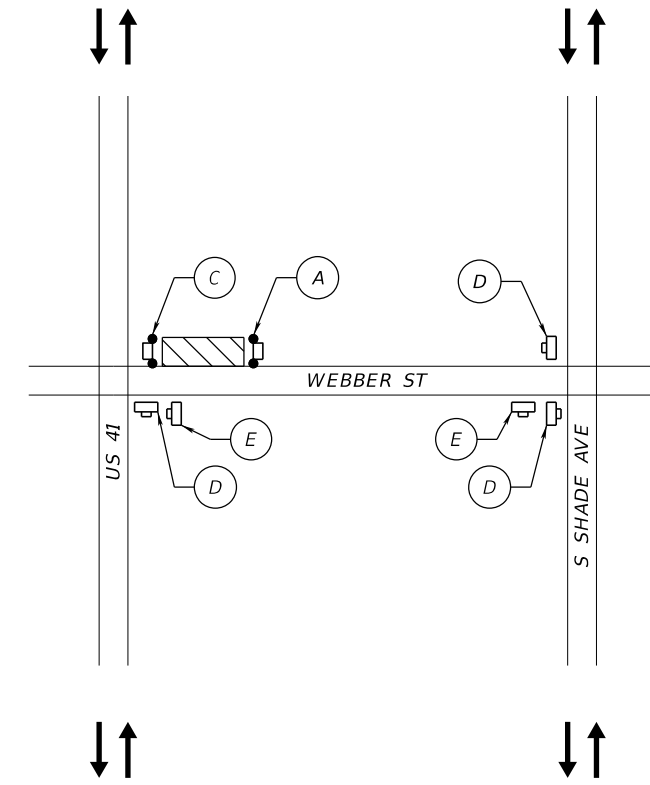
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

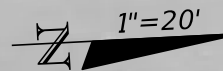
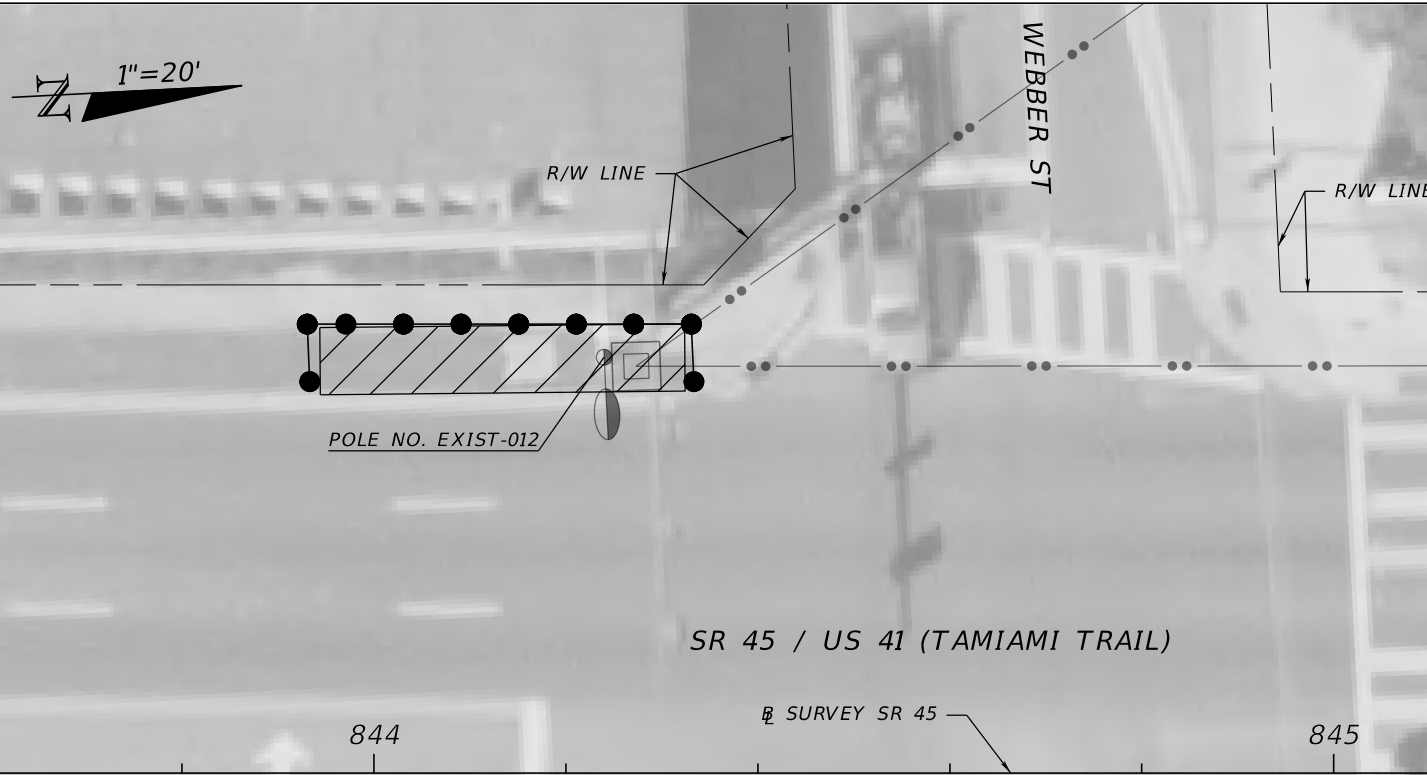
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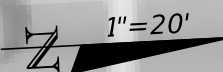
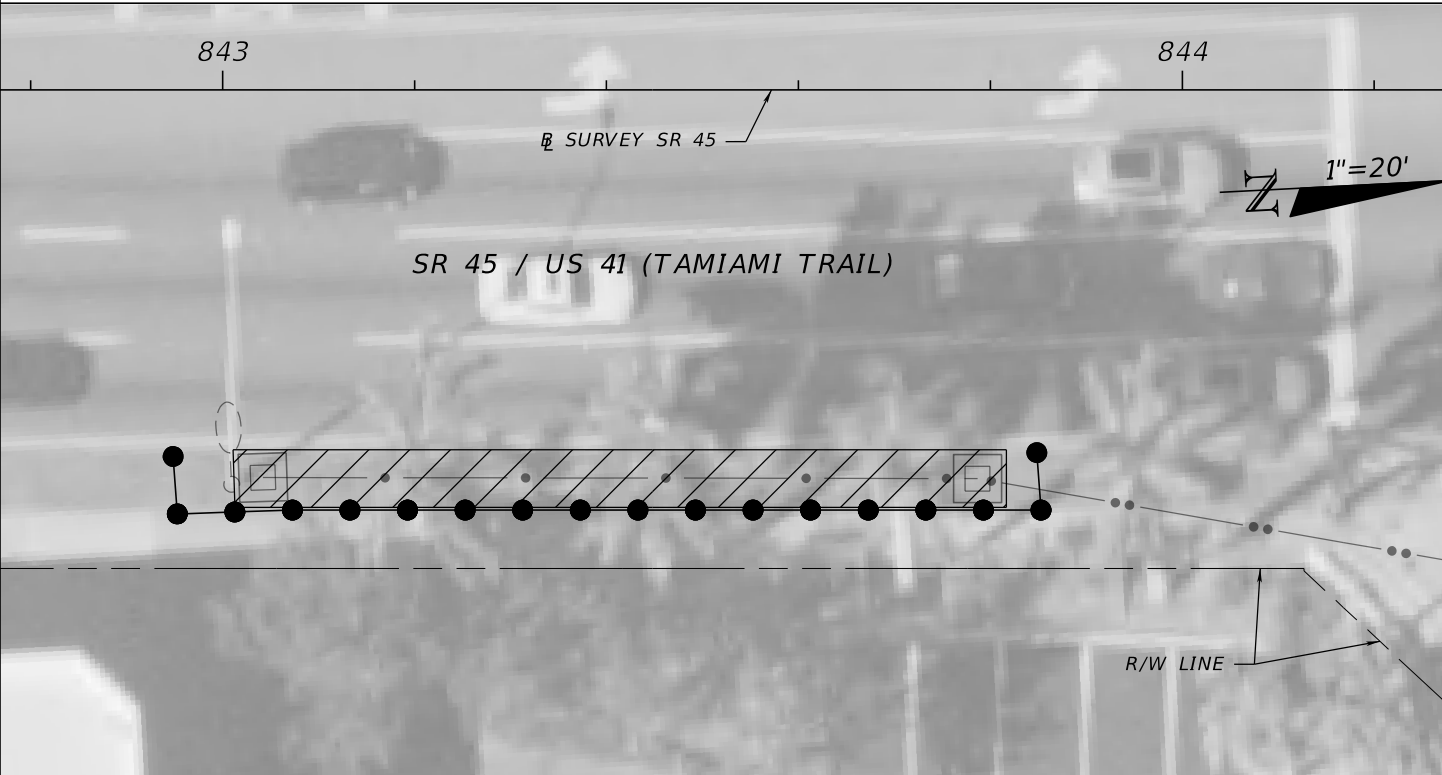
NORTHEAST QUADRANT



SOUTHWEST QUADRANT



SOUTHEAST QUADRANT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

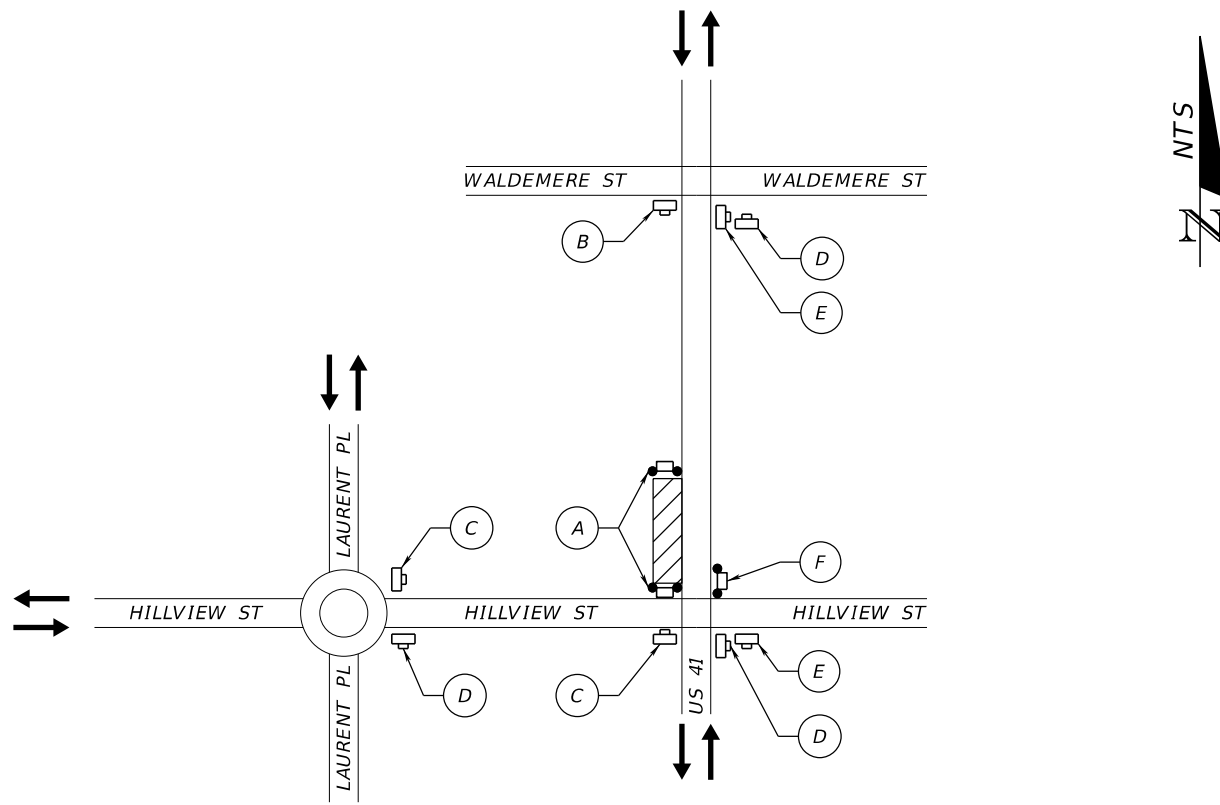
PEDESTRIAN ROUTE DETAILS
 US 41 AT WEBBER STREET

**TEMPORARY TRAFFIC
 CONTROL PLAN**

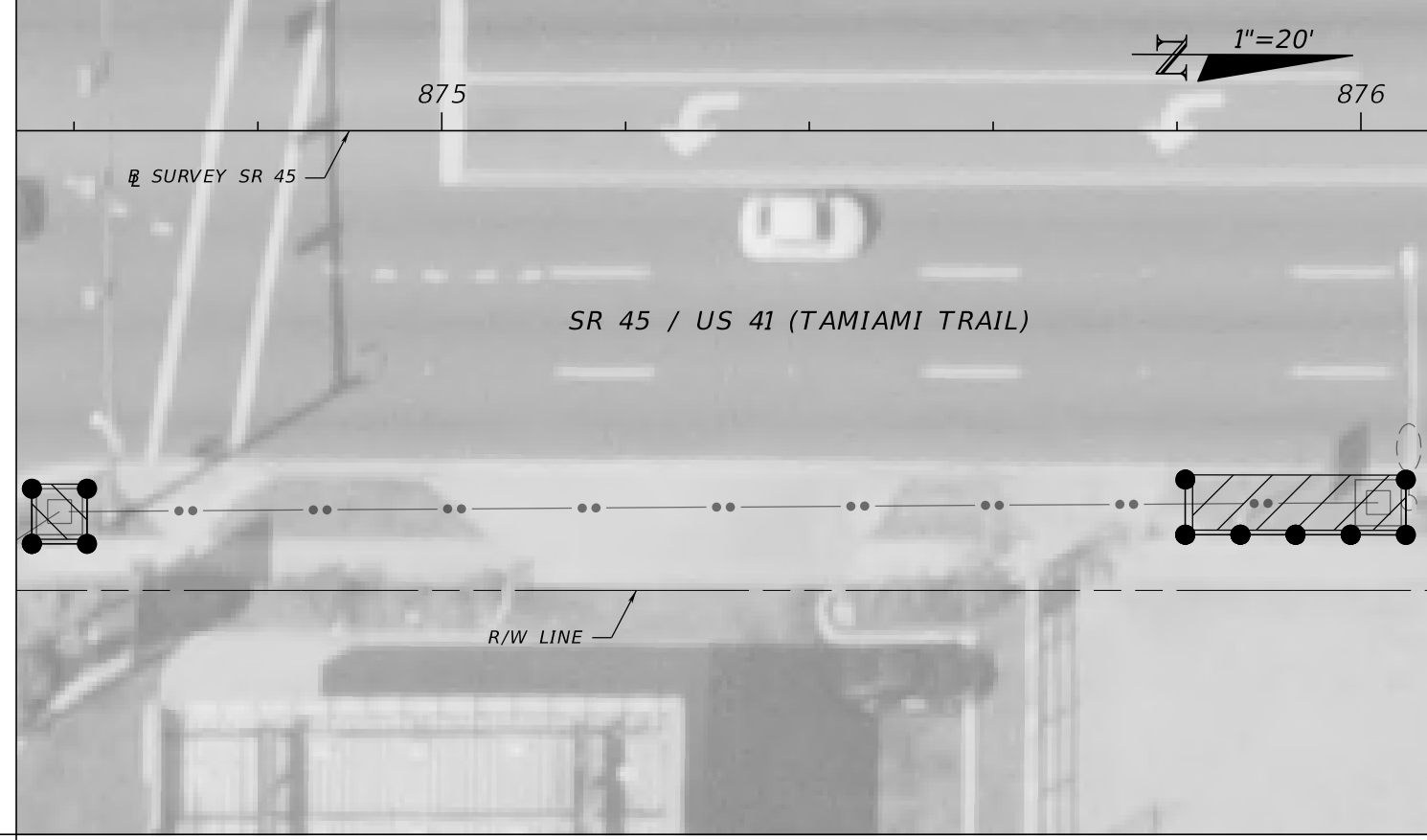
SHEET NO.
 41

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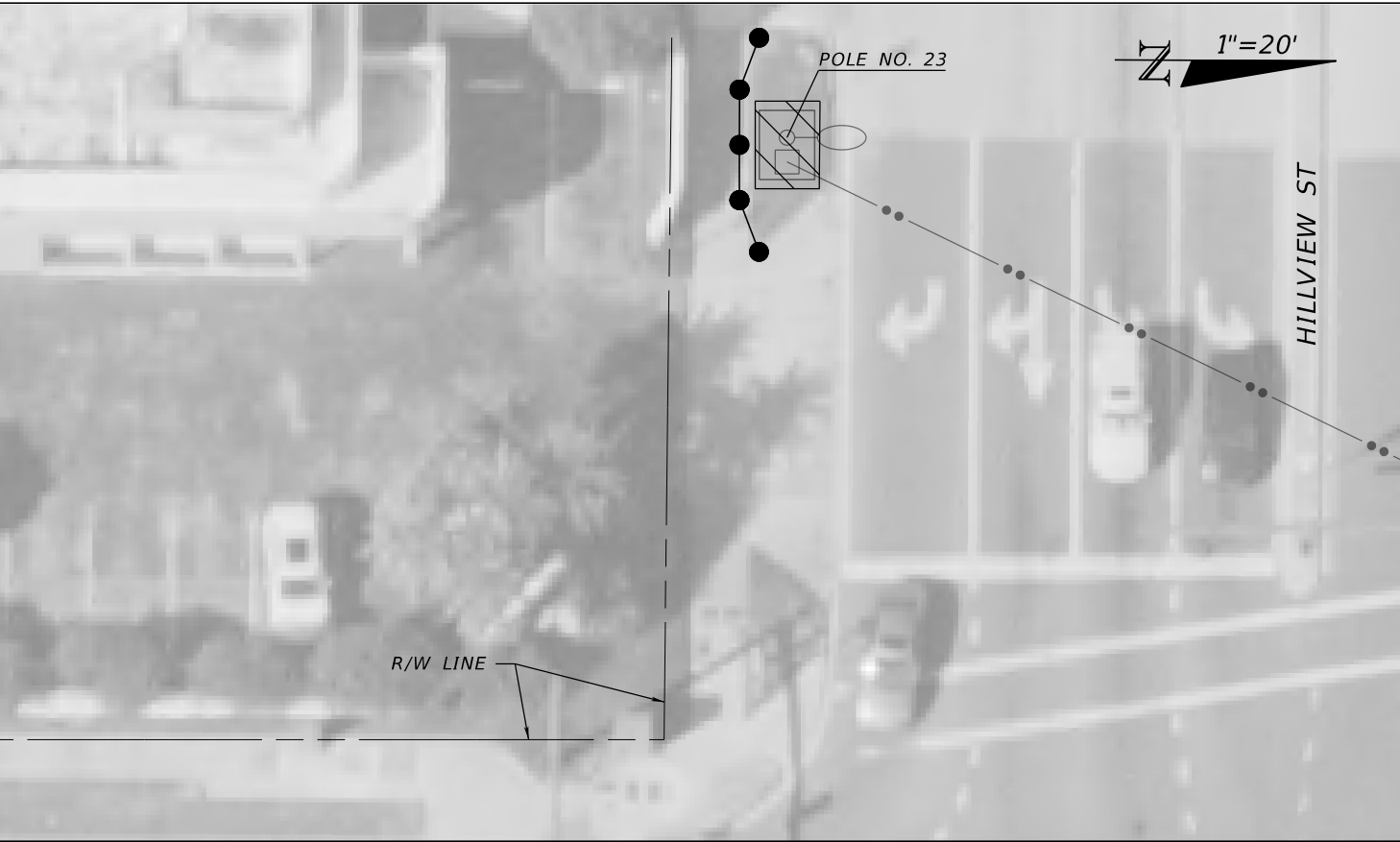
NORTHWEST QUADRANT



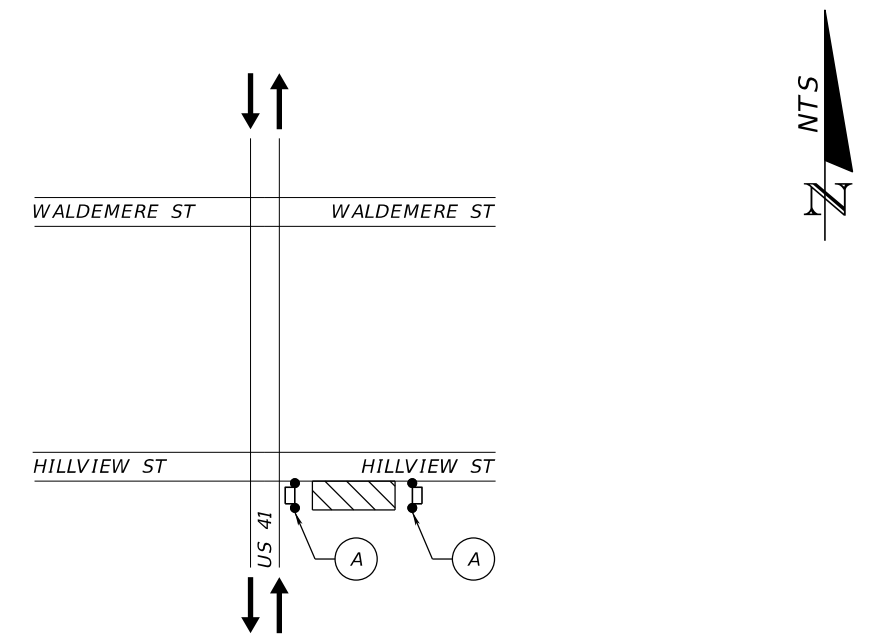
NORTHEAST QUADRANT



SOUTHWEST QUADRANT



SOUTHEAST QUADRANT



NOTE: SIDEWALK BEGINS / TERMINATES AT QUADRANT, THEREFORE NO DETOURS OR DIVERSIONS REQUIRED.

PEDESTRIAN ROUTE DETAILS
US 41 AT HILLVIEW STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

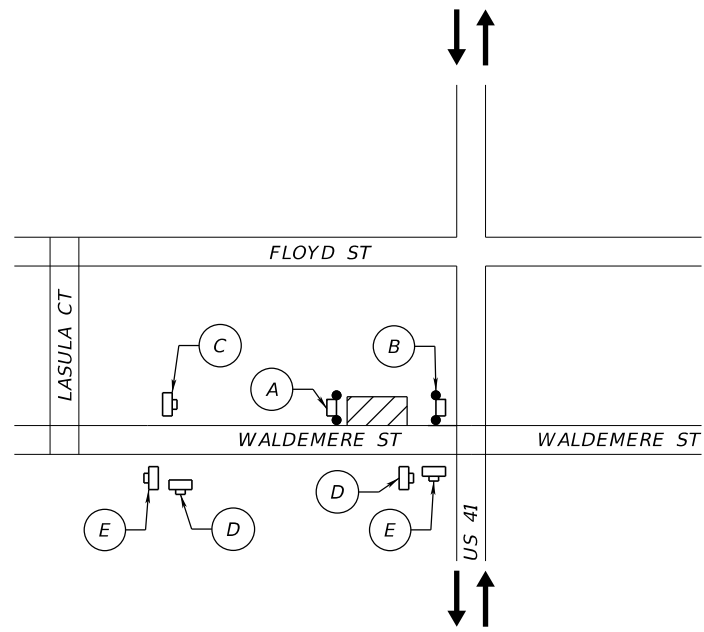
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

**TEMPORARY TRAFFIC
CONTROL PLAN**

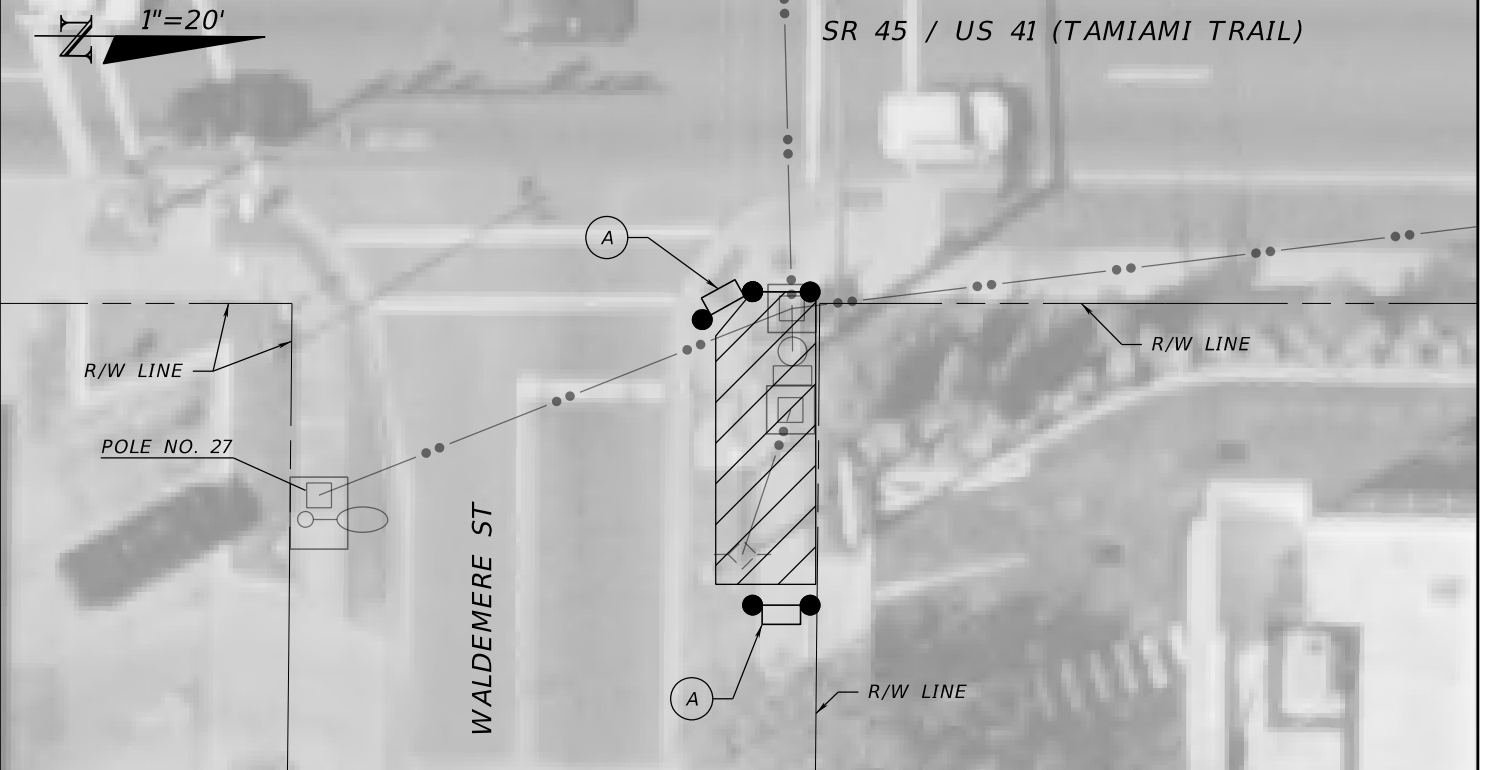
SHEET NO.
42

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

NORTHWEST QUADRANT

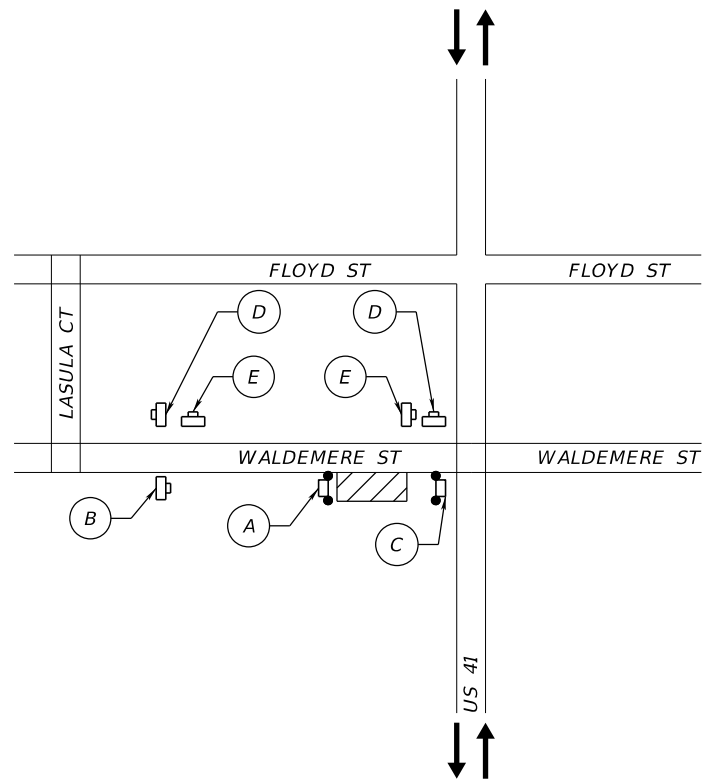


NORTHEAST QUADRANT

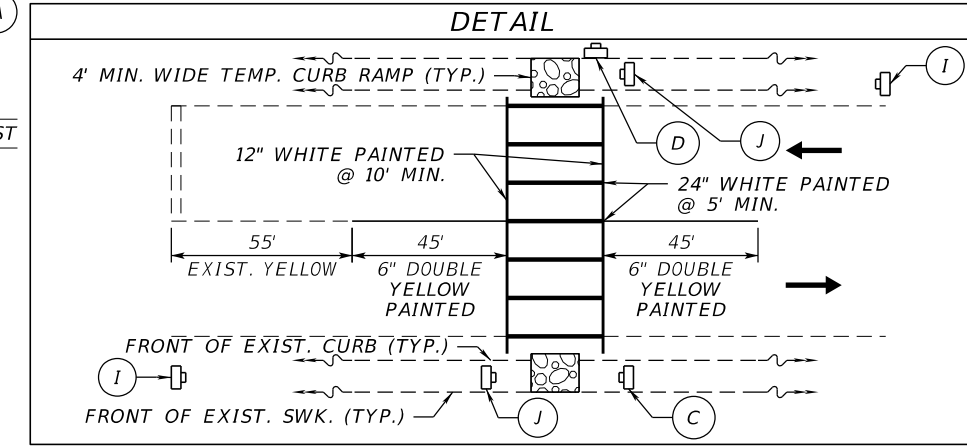
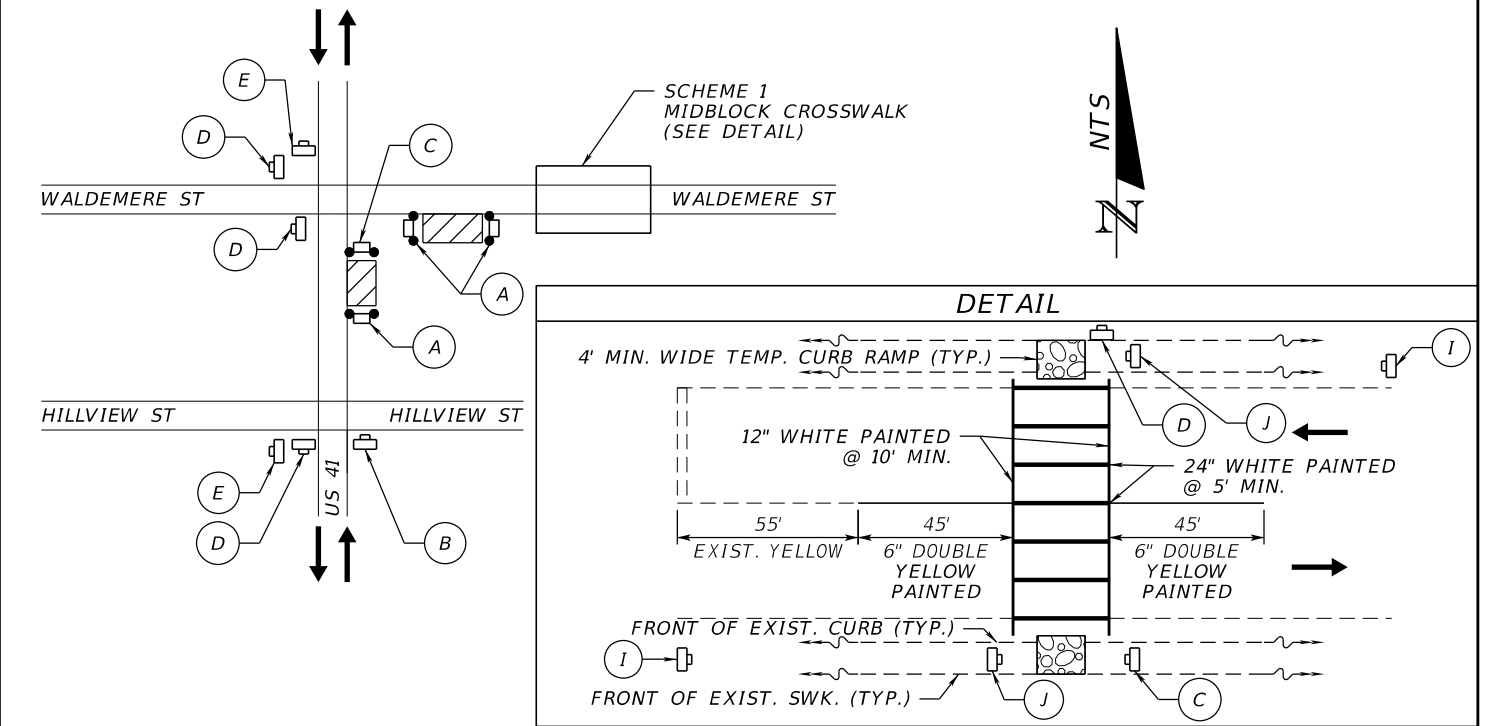


NOTE: SIDEWALK BEGINS / TERMINATES AT QUADRANT, THEREFORE NO DETOURS OR DIVERSIONS ARE REQUIRED.

SOUTHWEST QUADRANT



SOUTHEAST QUADRANT



PEDESTRIAN ROUTE DETAILS
US 41 AT WALDEMERE STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

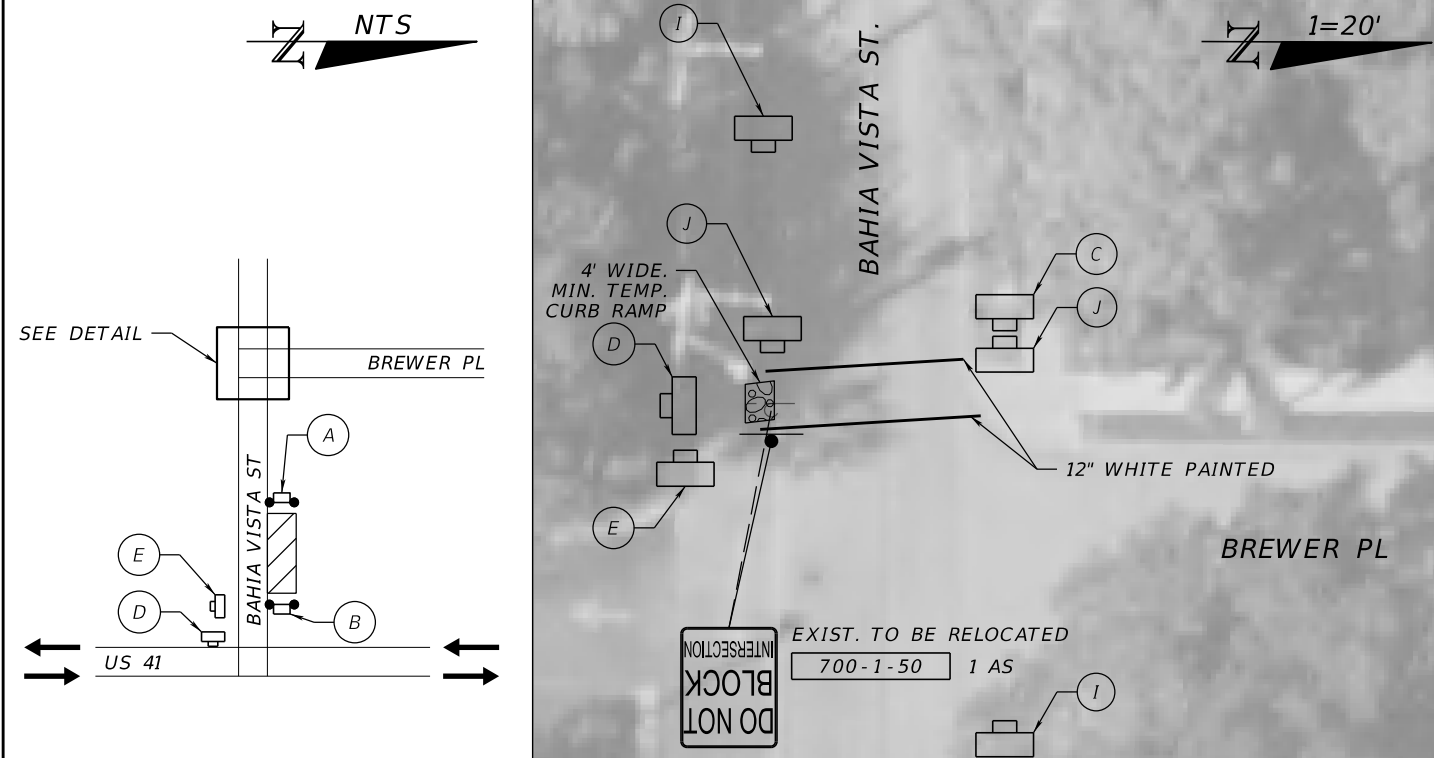
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
43

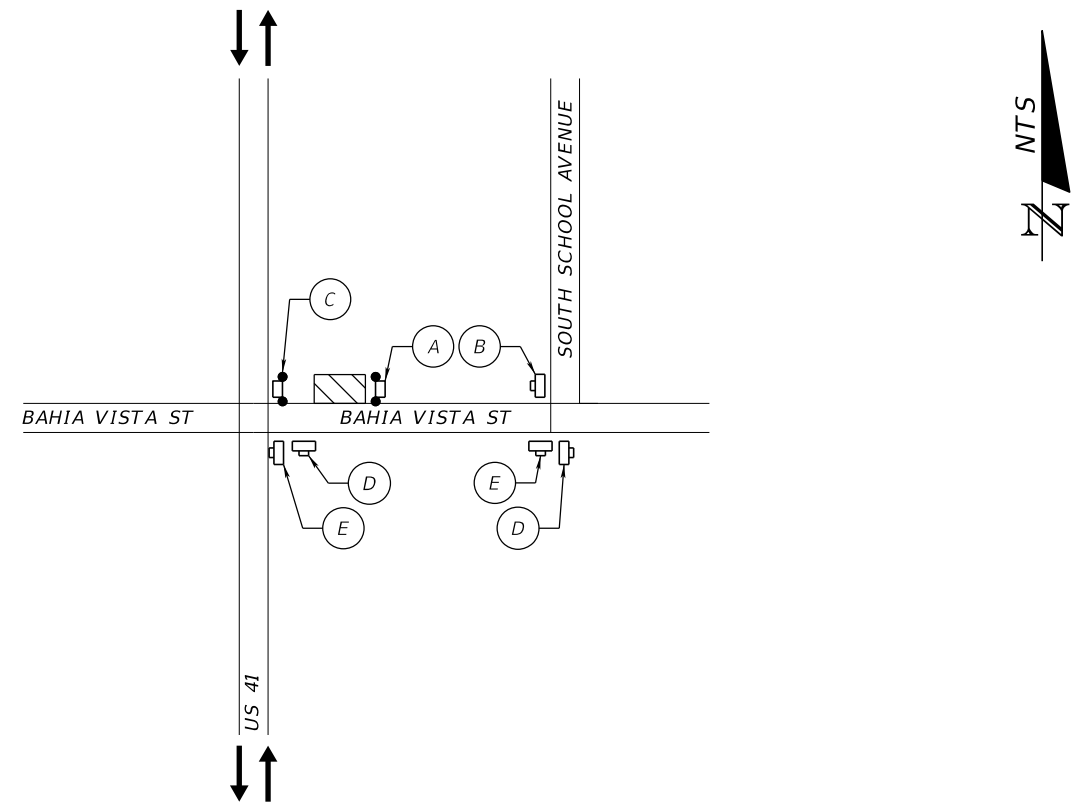
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NORTHWEST QUADRANT

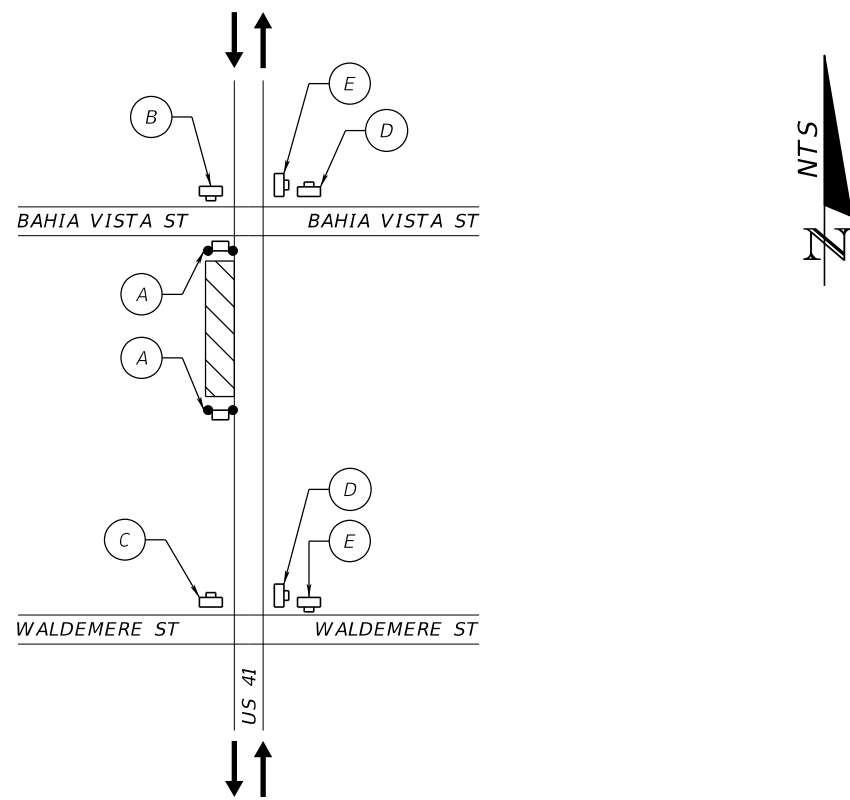
DETAIL



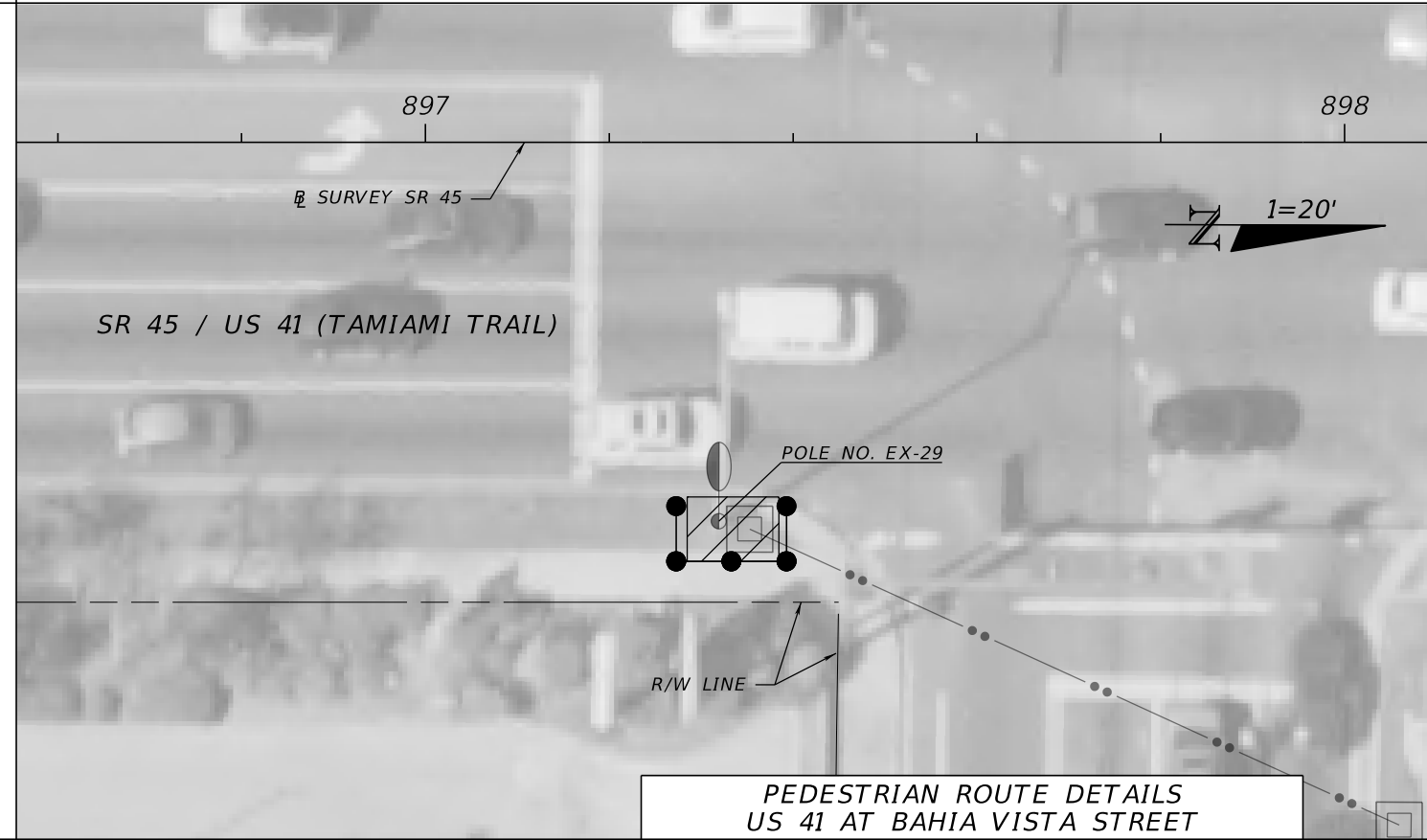
NORTHEAST QUADRANT



SOUTHWEST QUADRANT



SOUTHEAST QUADRANT



PEDESTRIAN ROUTE DETAILS
US 41 AT BAHIA VISTA STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 44

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

NORTHWEST QUADRANT

NORTHEAST QUADRANT

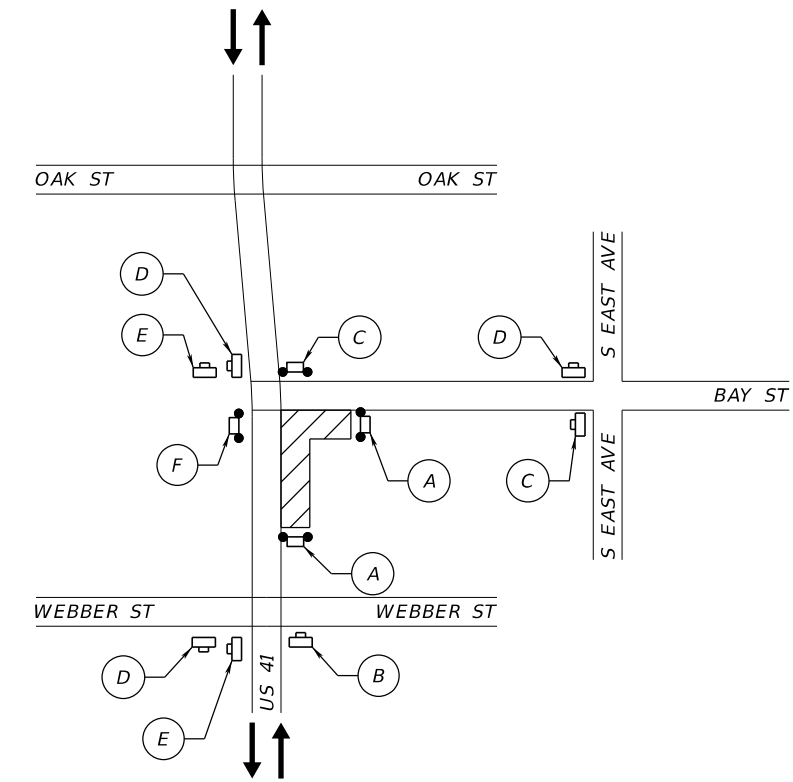
NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED

SOUTHWEST QUADRANT

SOUTHEAST QUADRANT

NO PEDESTRIAN DETOUR
OR DIVERSION REQUIRED



PEDESTRIAN ROUTE DETAILS
US 41 AT BAY STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

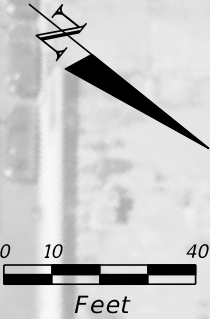
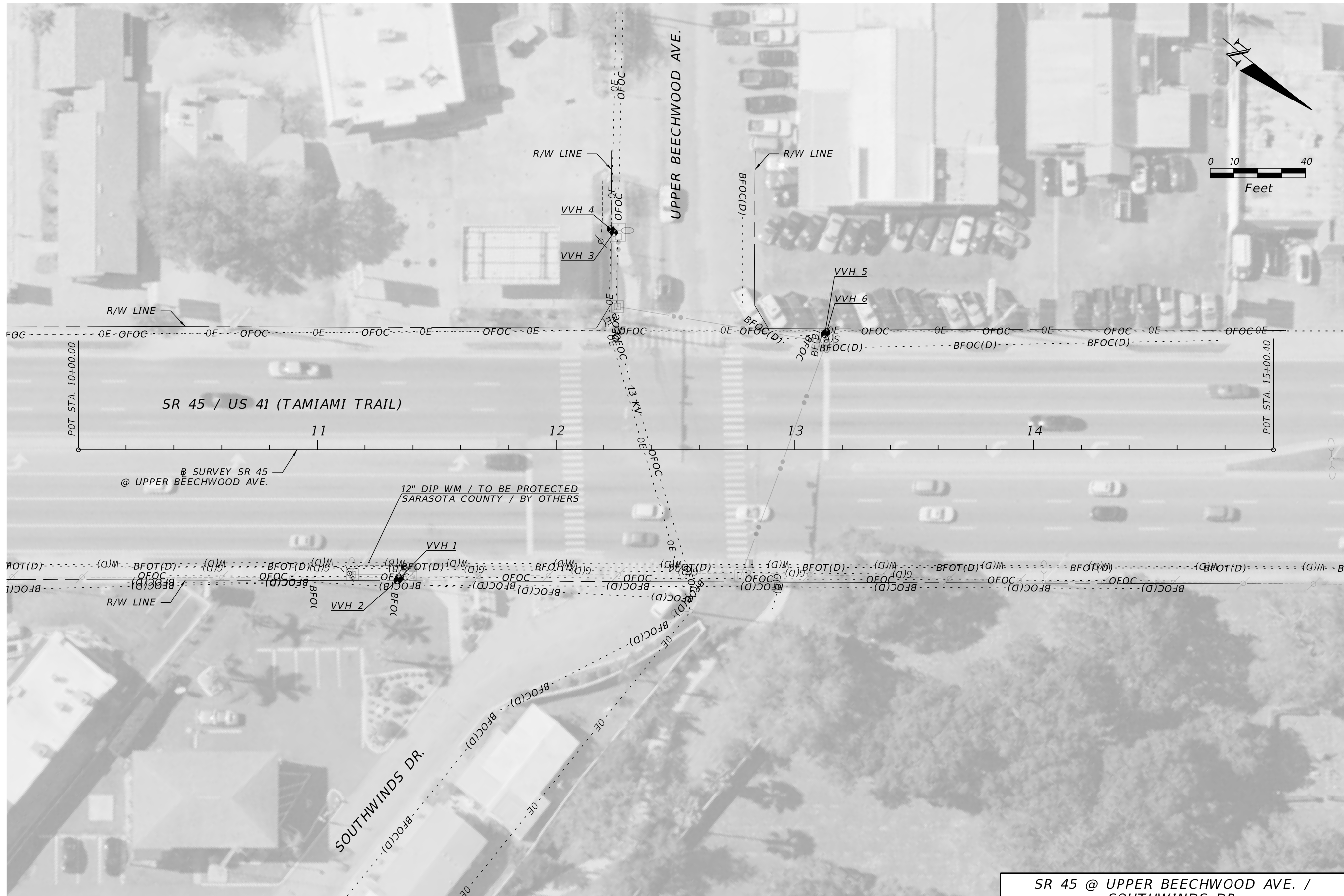
JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
45

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SR 45 @ UPPER BEECHWOOD AVE. /
SOUTHWINDS DR.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

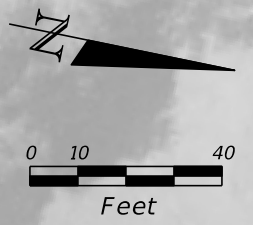
JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.
46

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



SR 45 @ CONSTITUTION BLVD. /
HOLLYWOOD BLVD.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

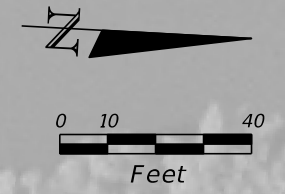
JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.
47

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



SR 45 @ PHILLIPPI ISLE /
MONTE CARLO DR.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.
48

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



SR 45 @ PHILLIPPI ST. /
LANDINGS BLVD.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

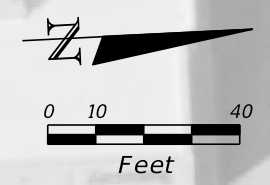
JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.
49

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



SR 45 @ PROCTOR RD. /
KESTRAL PARKWAY N.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
PE LICENSE NUMBER 55514
SCALAR CONSULTING GROUP INC.
13337 N. 56TH STREET
TAMPA, FLORIDA 33617
CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.
50

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



SR 45 @ FIELD RD.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.
51

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



SR 45 @ WORRINGTON ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

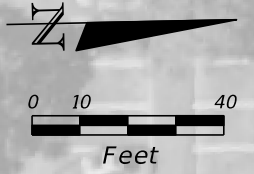
JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO. 52

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



SR 45 @ GLENGARY ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO. 53

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



SR 45 @ WEBBER ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.
54

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



SR 45 @ HILLVIEW ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

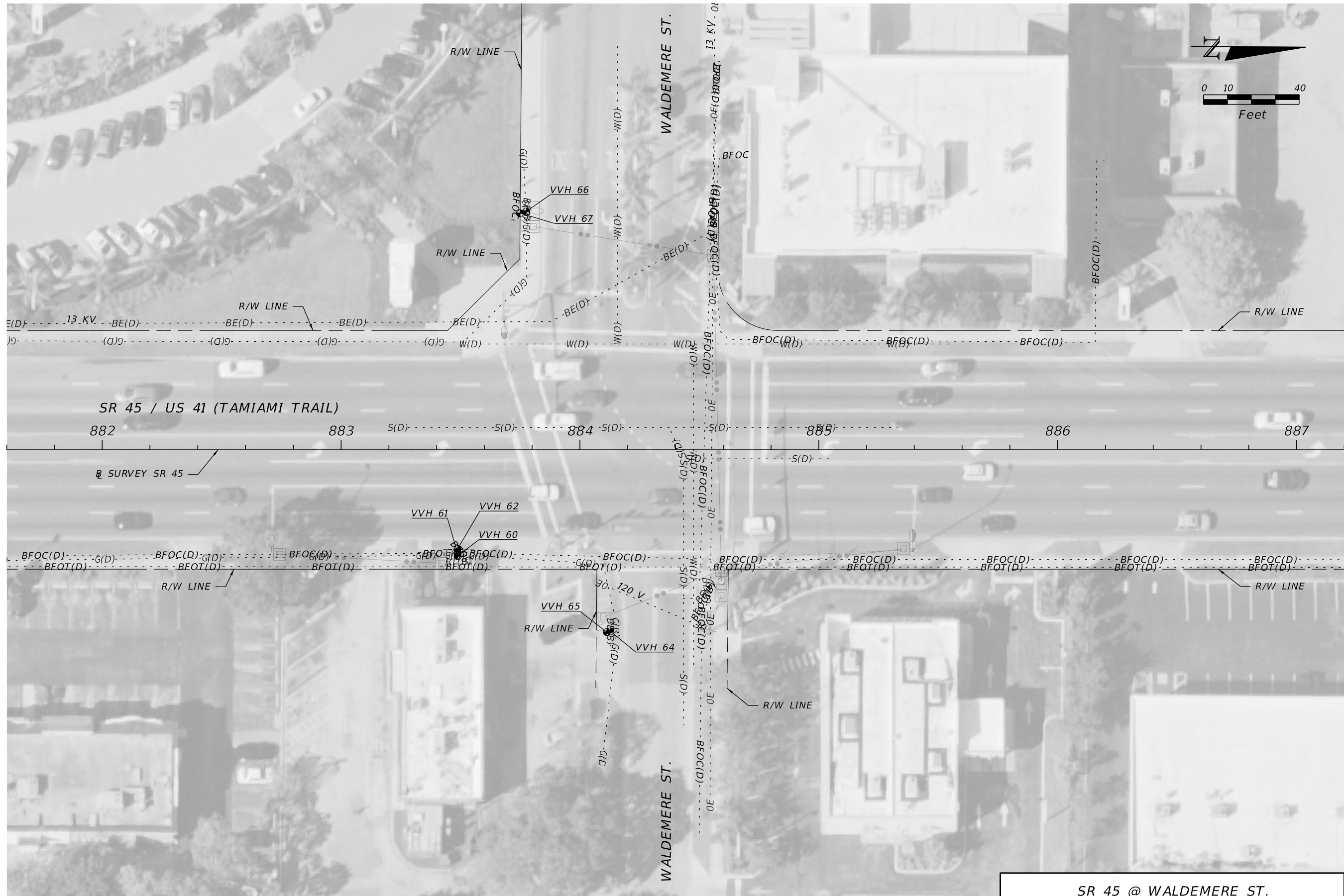
JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.
55

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



SR 45 @ WALDEMERE ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

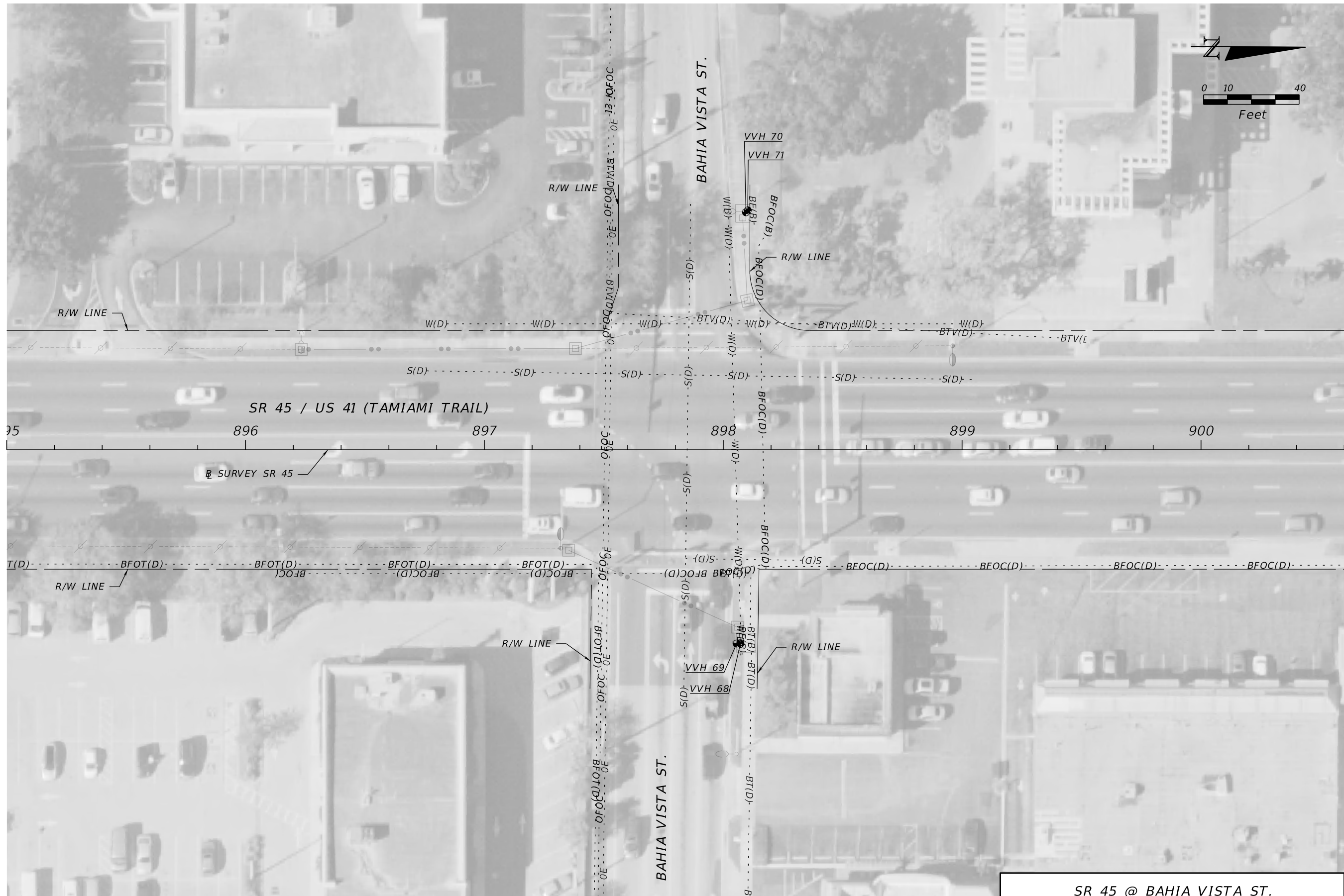
JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.
56

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



SR 45 @ BAHIA VISTA ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

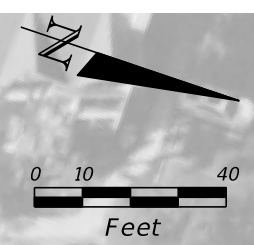
JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.
57

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



SR 45 @ BAY ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.
58

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

SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
101 1	MOBILIZATION	1			

INDEX OF SUMMARY OF QUANTITIES

- SQ-1 SUMMARY OF LUMP SUM ITEMS, SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS, SUMMARY OF PEDESTRIAN SPECIAL DETOURS
- SQ-2 - SQ-3 SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES
- SQ-4 SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES
- SQ-5 - SQ-9 SUMMARY OF LITTER REMOVAL AND MOWING
- SQ-10 - SQ-11 SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS
- SQ-12 SUMMARY OF SIDEWALK & DETECTABLE WARNINGS, SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS
- SQ-13 SUMMARY OF PERFORMANCE TURF

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS									
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	P	F		
			DAYS	P	P				
102 1	MAINTENANCE OF TRAFFIC	LS/DA						120 DAYS	
102 60	WORK ZONE SIGN	ED	120	240	28800	28800			
102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	120	42	5040	5040			
102 74 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	120	26	3120	3120			
102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	120	13	1560	1560			
102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	134	2	268	268	*		
700 1 50	SINGLE POST SIGN, RELOCATE	AS		1	1	1		SHEET NO. 43	
710 11123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF		100					
710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF		70					
710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM		0.034					

* PLACE ITEM 14 DAYS PRIOR TO START OF CONSTRUCTION.

SUMMARY OF PEDESTRIAN SPECIAL DETOURS									
TTC PHASE	LOCATION STA. TO STA.	SIDE	AREA ID	UNITS	PEDESTRIAN SPECIAL DETOUR		SECONDARY UNITS AREA (SY)	DESIGN NOTES	CONSTRUCTION REMARKS
					0102 4				
					P	F			
I	12+28.73 TO 897+67.38			LS	1			108 TOTAL SY	
I	12+28.73 TO 12+35.67	LT	17363			12.5	Ⓡ SURVEY SR 45 @ UPPER BEECHWOOD AVE.		
I	22+65.24 TO 22+85.72	RT	17371			6.7	Ⓡ SURVEY SR 45 @ CONSTITUTION BLVD.		
I	42+94.43 TO 43+25.94	RT	17433			16.7	Ⓡ SURVEY SR 45 @ PHILLIPPI ST.		
I	51+61.36 TO 51+66.49	RT	17392			1.7	Ⓡ SURVEY SR 45 @ PROCTOR RD.		
I	51+63.34 TO 52+04.89	RT	17438			14.8			
I	52+75.22 TO 52+82.94	LT	17439			27.6	Ⓡ SURVEY SR 45 @ GLENGARY ST.		
I	82+64.15 TO 82+70.68	LT	17432			20.8			
I	884+12.83 TO 884+18.12	RT	17423			1.8	Ⓡ SURVEY SR 45 (WALDEMERE ST.)		
I	884+47.43 TO 884+54.35	RT	17429			2.3			
I	897+63.38 TO 897+67.38	LT	17422			3.1	Ⓡ SURVEY SR 45 (BAHIA VISTA ST.)		

REVISIONS				JAMES MICHAEL WINTER, JR., PE PE LICENSE NUMBER 55514 SCALAR CONSULTING GROUP INC. 13337 N. 56TH STREET TAMPA, FLORIDA 33617 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		

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

SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES

CONST. PHASE	LOCATION STA. TO STA.	SIDE	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
			0102	74 7		
			LF			
			P	F		
	82+22.19 to 82+28.19	LT		6.0	SR 45 @ GLENGARY ST.	
	82+66.49 to 82+77.51	LT		24.0		
	82+68.17 to 82+76.35	LT		54.4		
	83+17.09 to 83+17.09	RT		6.0		
	83+42.38 to 83+42.38	RT		6.0		
	841+59.44 to 841+65.44	LT		6.0	SR 45 (WEBBER ST.)	
	842+94.85 to 843+85.27	RT		102.0		
	843+93.04 to 844+33.34	LT		52.0		
	844+84.52 to 844+90.52	LT		6.0		
	844+87.47 to 844+93.47	LT		6.0		
	844+99.20 to 845+04.20	RT		5.0		
	845+00.49 to 845+05.49	RT		5.0		
	845+16.76 to 845+16.76	LT		6.0		
	845+71.72 to 845+71.72	LT		6.0		
	873+98.63 to 874+04.63	RT		6.0		SR 45 (HILLVIEW ST.)
	873+99.06 to 874+05.06	RT		6.0		
	874+55.41 to 874+61.41	RT		18.0		
	874+69.61 to 874+75.61	RT		6.0		
	874+96.73 to 874+96.73	LT		6.0		
	875+38.80 to 875+38.80	LT		6.0		
	875+80.90 to 876+04.90	RT		36.0		
	883+21.72 to 883+21.72	RT		6.0	SR 45 (WALDEMERE ST.)	
	883+59.93 to 883+59.93	RT		6.0		
	883+74.80 to 883+80.80	LT		6.0		
	883+75.09 to 883+81.09	LT		6.0		
	884+06.80 to 884+12.80	RT		6.0		
	884+07.09 to 884+13.09	RT		6.0		
	884+49.86 to 884+61.10	RT		12.0		
	884+51.98 to 884+57.98	LT		6.0		
	884+52.23 to 884+58.23	LT		6.0		
	884+55.10 to 884+61.10	RT		6.0		
	896+15.25 to 896+15.25	LT		6.0	SR 45 (BAHIA VISTA ST.)	
	897+27.28 to 897+39.28	RT		24.0		
	897+43.84 to 897+43.84	LT		6.0		
	898+03.67 to 898+09.67	LT		6.0		
	898+06.93 to 898+12.93	RT		6.0		
	898+07.69 to 898+13.69	RT		6.0		
	898+07.79 to 898+13.79	LT		6.0		
	913+69.60 to 913+69.61	RT		6.0	SR 45 @ BAY ST.	
	914+68.65 to 914+74.23	RT		6.0		
	914+76.11 to 914+82.11	LT		6.0		
	915+41.30 to 915+41.30	RT		6.0		
SUB-TOTAL:				518.4		

REVISIONS				JAMES MICHAEL WINTER, JR., PE PE LICENSE NUMBER 55514 SCALAR CONSULTING GROUP INC. 13337 N. 56TH STREET TAMPA, FLORIDA 33617 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-3
					SR 45	SARASOTA	440136-1-52-01		

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

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	CONSTRUCTION REMARKS		
					0107 1				0107 2							
	STA. TO STA.				AREA ID	CYCLES	AC/ CYCLE	AREA		AREA ID	CYCLES	AC/ CYCLE			AREA	
								TOTAL (AC)							TOTAL (AC)	
				P	F				P	F						
I	10+00.00 TO 11+71.28	RT	120	30	3418	4	0.045	0.181								
I	10+00.00 TO 12+44.01	LT	120	30	3422	4	0.100	0.399								
I	12+59.14 TO 15+00.40	LT	120	30	3427	4	0.103	0.413								
I	12+59.96 TO 15+00.40	RT	120	30	3433	4	0.065	0.258								
I	20+00.00 TO 22+06.67	RT	120	30	3474	4	0.230	0.918								
I	20+64.06 TO 22+35.13	LT	120	30	3488	4	0.107	0.426								
I	22+37.31 TO 24+98.37	RT	120	30	3497	4	0.297	1.186								
I	22+95.75 TO 24+98.37	LT	120	30	3505	4	0.172	0.689								
I	30+00.00 TO 32+32.12	RT	120	30	3534	4	0.296	1.182								
I	30+00.00 TO 32+45.73	LT	120	30	3542	4	0.225	0.901								
I	32+68.91 TO 35+00.25	RT	120	30	3547	4	0.278	1.113								
I	32+82.93 TO 35+00.25	LT	120	30	3555	4	0.210	0.838								
I	40+00.00 TO 42+21.48	LT	120	30	3602	4	0.205	0.820								
I	40+12.84 TO 42+39.39	RT	120	30	3610	4	0.228	0.911								
I	42+62.89 TO 45+01.68	RT	120	30	3631	4	0.238	0.952								
I	42+71.33 TO 45+01.68	LT	120	30	3622	4	0.227	0.909								
I	50+00.00 TO 52+22.28	LT	120	30	3688	4	0.174	0.697								
I	50+00.00 TO 52+34.36	RT	120	30	3652	4	0.237	0.946								
I	52+72.82 TO 55+01.68	LT	120	30	3703	4	0.138	0.553								
I	52+88.02 TO 55+01.68	RT	120	30	3695	4	0.184	0.734								
I	60+00.00 TO 61+24.03	RT	120	30	3751	4	0.065	0.258								
I	60+00.00 TO 62+35.78	LT	120	30	3761	4	0.109	0.436								
I	61+45.32 TO 65+00.32	RT	120	30	3774	4	0.111	0.445								
I	61+45.58 TO 61+60.81	RT	120	30	3769	4	0.009	0.034								
I	62+55.41 TO 65+00.32	LT	120	30	3780	4	0.111	0.444								
I	70+98.48 TO 73+69.47	LT	120	30	3838	4	0.107	0.429								
I	71+00.10 TO 72+39.65	RT	120	30	3848	4	0.052	0.206								
I	72+63.73 TO 75+00.02	RT	120	30	3857	4	0.075	0.300								
I	73+92.75 TO 75+00.02	LT	120	30	3867	4	0.064	0.255								
I	81+09.93 TO 82+38.13	LT	120	30	4324	4	0.061	0.242								
I	81+10.07 TO 82+40.98	RT	120	30	4333	4	0.036	0.144								
I	82+55.87 TO 84+09.08	RT	120	30	4347	4	0.042	0.169								
I	82+60.37 TO 84+08.94	LT	120	30	4338	4	0.067	0.268								
I	841+40.00 TO 841+69.71	LT	120	30	4656	4	0.012	0.047								
I	842+50.95 TO 844+43.14	RT	120	30	4638	4	0.072	0.289								
I	842+50.95 TO 844+48.48	LT	120	30	4646	4	0.067	0.268								
I	844+76.98 TO 846+10.00	LT	120	30	4663	4	0.056	0.224								
I	844+98.05 TO 846+10.00	RT	120	30	4671	4	0.114	0.455								
I	872+69.97 TO 874+07.93	RT	120	30	11158	4	0.052	0.208								
I	872+70.02 TO 873+91.03	LT	120	30	11157	4	0.062	0.247								
I	874+39.31 TO 876+69.98	RT	120	30	11164	4	0.081	0.323								
I	874+65.88 TO 876+01.98	LT	120	30	11165	4	0.035	0.140								
I	881+99.97 TO 884+18.78	RT	120	30	4745	4	0.080	0.320								
I	882+00.02 TO 883+84.57	LT	120	30	4737	4	0.075	0.298								
I	884+45.88 TO 887+37.82	RT	120	30	4762	4	0.106	0.424								
I	884+51.43 TO 887+37.86	LT	120	30	4753	4	0.088	0.353								
I	895+63.47 TO 897+52.09	RT	120	30	4824	4	0.061	0.245								
					SUB-TOTAL:				22.497	SUB-TOTAL:						
					TOTAL:				24.33	TOTAL:				10.64		

REVISIONS				JAMES MICHAEL WINTER, JR., PE PE LICENSE NUMBER 55514 SCALAR CONSULTING GROUP INC. 13337 N. 56TH STREET TAMPA, FLORIDA 33617 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES (5)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		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 LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	CONSTRUCTION REMARKS		
					0107 1				0107 2							
	STA. TO STA.				AREA ID	CYCLES	AC/CYCLE	AREA		AREA ID	CYCLES	AC/CYCLE			AREA	
								TOTAL (AC)							TOTAL (AC)	
				P	F				P	F						
I	895+63.52 TO 897+56.08	LT	120	30	4818	4	0.049	0.196								
I	897+56.08 TO 897+65.84	LT	120	30	4832	4	0.011	0.046								
I	898+01.14 TO 899+96.01	RT	120	30	4837	4	0.072	0.288								
I	898+02.93 TO 899+96.06	LT	120	30	4844	4	0.060	0.240								
I	912+40.00 TO 914+97.26	LT	120	30	11182	4	0.079	0.317								
I	912+41.32 TO 914+78.80	RT	120	30	11173	4	0.073	0.294								
I	915+14.11 TO 917+54.99	RT	120	30	11166	4	0.069	0.276								
I	915+55.63 TO 917+56.41	LT	120	30	11190	4	0.043	0.172								
I	10+00.00 TO 10+00.00	LT	120	30					5735	4	0.002	0.006				
I	10+26.99 TO 11+41.44	RT	120	30					5741	4	0.008	0.033				
I	11+46.05 TO 11+63.21	RT	120	30					5745	4	0.001	0.004				
I	11+62.34 TO 12+02.44	LT	120	30					5749	4	0.002	0.008				
I	12+29.08 TO 12+39.73	LT	120	30					5751	4	0.008	0.030				
I	12+79.27 TO 12+97.45	LT	120	30					5757	4	0.001	0.003				
I	13+23.25 TO 15+00.40	RT	120	30					5766	4	0.008	0.032				
I	13+69.55 TO 13+88.78	LT	120	30					5769	4	0.001	0.003				
I	14+39.07 TO 14+80.78	LT	120	30					5776	4	0.002	0.007				
I	20+00.00 TO 20+56.66	RT	120	30					5925	4	0.004	0.015				
I	20+27.57 TO 21+63.13	RT	120	30					5930	4	0.090	0.360				
I	20+64.06 TO 22+32.95	LT	120	30					5949	4	0.057	0.226				
I	20+68.47 TO 22+14.63	LT	120	30					5940	4	0.007	0.028				
I	21+06.61 TO 21+37.18	RT	120	30					5957	4	0.002	0.008				
I	21+41.88 TO 21+67.48	RT	120	30					5962	4	0.001	0.005				
I	21+65.66 TO 22+06.67	RT	120	30					5971	4	0.071	0.285				
I	22+39.12 TO 22+60.57	RT	120	30					5981	4	0.005	0.019				
I	22+55.61 TO 22+72.74	RT	120	30					5983	4	0.006	0.024				
I	22+59.04 TO 22+99.82	RT	120	30					5985	4	0.008	0.031				
I	22+67.72 TO 23+86.74	RT	120	30					5991	4	0.084	0.336				
I	23+10.79 TO 23+29.36	RT	120	30					6016	4	0.001	0.005				
I	23+30.08 TO 23+55.61	LT	120	30					6043	4	0.001	0.005				
I	23+33.92 TO 23+83.31	RT	120	30					6021	4	0.003	0.014				
I	23+61.21 TO 24+98.37	LT	120	30					6049	4	0.010	0.038				
I	23+99.99 TO 23+99.99	LT	120	30					11200	4	0.117	0.469				
I	24+00.96 TO 24+38.62	RT	120	30					6026	4	0.025	0.100				
I	24+17.27 TO 24+36.54	RT	120	30					6029	4	0.001	0.005				
I	24+65.18 TO 24+98.37	RT	120	30					6034	4	0.026	0.102				
I	24+75.77 TO 24+98.37	RT	120	30					6038	4	0.002	0.006				
I	30+00.00 TO 32+32.12	RT	120	30					6087	4	0.258	1.033				
I	30+56.88 TO 31+91.30	LT	120	30					6097	4	0.010	0.041				
I	32+68.91 TO 35+00.25	RT	120	30					6099	4	0.236	0.946				
I	33+33.28 TO 33+45.81	LT	120	30					6106	4	0.001	0.003				
I	33+66.70 TO 33+66.70	LT	120	30					6109	4	0.009	0.036				
I	34+51.72 TO 34+51.72	RT	120	30					6111	4	0.008	0.031				
I	40+00.00 TO 40+00.00	LT	120	30					6192	4	0.012	0.049				
I	40+18.83 TO 42+14.09	RT	120	30					6194	4	0.122	0.487				
I	41+06.60 TO 41+06.60	LT	120	30					11230	4	0.140	0.558				
I	42+06.33 TO 42+37.61	RT	120	30					6201	4	0.013	0.053				
I	42+32.45 TO 42+37.56	RT	120	30					6208	4	0.007	0.026				
					SUB-TOTAL:				1.83							
										SUB-TOTAL:				5.47		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES MICHAEL WINTER, JR., PE
 PE LICENSE NUMBER 55514
 SCALAR CONSULTING GROUP INC.
 13337 N. 56TH STREET
 TAMPA, FLORIDA 33617
 CERTIFICATE OF AUTHORIZATION NO. 29560

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	SARASOTA	440136-1-52-01

SUMMARY OF QUANTITIES (6)

SHEET NO.
SQ-6

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	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	CONSTRUCTION REMARKS		
					0107 1				0107 2							
	STA. TO STA.				AREA ID	CYCLES	AC/ CYCLE	AREA		AREA ID	CYCLES	AC/ CYCLE			AREA	
								TOTAL (AC)							TOTAL (AC)	
				P	F				P	F						
I	42+62.89 TO 42+70.27	RT	120	30					6210	4	0.010	0.040	☒ SURVEY SR 45 @ PHILLIPPI ST.			
I	42+69.91 TO 42+97.85	RT	120	30					6218	4	0.005	0.019				
I	42+71.33 TO 45+01.68	LT	120	30					6224	4	0.184	0.736				
I	42+76.85 TO 43+47.97	RT	120	30					6213	4	0.037	0.149				
I	43+14.91 TO 43+48.35	LT	120	30					6230	4	0.002	0.008				
I	43+17.60 TO 43+45.20	RT	120	30					6220	4	0.002	0.008				
I	43+91.92 TO 45+01.68	RT	120	30					6234	4	0.062	0.248				
I	43+93.72 TO 44+68.88	RT	120	30					6242	4	0.006	0.022				
I	44+75.41 TO 44+91.63	RT	120	30					6245	4	0.001	0.004				
I	45+01.68 TO 45+01.68	LT	120	30					6232	4	0.011	0.044				
I	50+00.00 TO 50+00.00	LT	120	30					6298	4	0.016	0.063	☒ SURVEY SR 45 @ PROCTOR RD.			
I	50+89.10 TO 50+89.10	LT	120	30					6296	4	0.084	0.338				
I	51+09.55 TO 51+09.55	RT	120	30					6289	4	0.067	0.266				
I	51+75.93 TO 51+75.93	RT	120	30					6303	4	0.041	0.163				
I	52+10.30 TO 52+21.08	LT	120	30					6300	4	0.024	0.094				
I	52+22.12 TO 52+32.51	RT	120	30					6314	4	0.009	0.034				
I	52+74.41 TO 52+90.59	LT	120	30					6322	4	0.017	0.069				
I	52+87.82 TO 52+98.25	LT	120	30					6327	4	0.001	0.004				
I	52+88.55 TO 52+94.59	RT	120	30					6316	4	0.005	0.022				
I	52+95.33 TO 54+17.89	LT	120	30					6331	4	0.037	0.146				
I	53+02.44 TO 53+89.17	LT	120	30					6333	4	0.006	0.022				
I	53+06.00 TO 53+16.09	RT	120	30					6329	4	0.001	0.004				
I	53+09.11 TO 54+65.12	RT	120	30					6337	4	0.105	0.420				
I	53+28.23 TO 53+63.37	RT	120	30					6335	4	0.003	0.012				
I	53+71.60 TO 54+67.77	RT	120	30					6341	4	0.008	0.030				
I	54+06.29 TO 54+06.29	LT	120	30					6343	4	0.007	0.027				
I	54+72.15 TO 54+72.15	RT	120	30					6347	4	0.002	0.008				
I	60+45.91 TO 60+95.26	LT	120	30					6401	4	0.003	0.012	☒ SURVEY SR 45 @ FIELD RD.			
I	61+11.86 TO 61+19.42	RT	120	30					6394	4	0.006	0.023				
I	61+14.75 TO 61+21.97	RT	120	30					6398	4	0.008	0.032				
I	61+31.96 TO 62+22.03	LT	120	30					6411	4	0.006	0.023				
I	61+47.52 TO 61+67.94	RT	120	30					6409	4	0.004	0.018				
I	61+50.24 TO 61+59.05	RT	120	30					6405	4	0.007	0.029				
I	61+51.41 TO 61+58.47	RT	120	30					6403	4	0.004	0.016				
I	61+59.23 TO 62+06.37	RT	120	30					6415	4	0.003	0.012				
I	62+14.56 TO 62+34.84	LT	120	30					6417	4	0.011	0.045				
I	62+17.27 TO 62+35.78	LT	120	30					6421	4	0.016	0.065				
I	62+19.78 TO 63+87.95	RT	120	30					6424	4	0.012	0.047				
I	62+56.04 TO 62+63.38	LT	120	30					6426	4	0.006	0.024				
I	62+67.76 TO 62+77.48	LT	120	30					6428	4	0.009	0.036				
I	63+08.05 TO 63+71.11	LT	120	30					6433	4	0.004	0.016				
I	64+04.43 TO 64+21.08	LT	120	30					6439	4	0.001	0.004				
I	64+26.20 TO 64+38.74	RT	120	30					6435	4	0.001	0.003				
I	64+48.86 TO 64+48.86	LT	120	30					6448	4	0.008	0.033				
I	64+54.84 TO 64+83.95	LT	120	30					6443	4	0.002	0.006				
I	70+98.48 TO 71+29.18	LT	120	30					6480	4	0.002	0.007	☒ SURVEY SR 45 @ WORRINGTON ST.			
I	71+10.49 TO 71+88.31	RT	120	30					6482	4	0.005	0.019				
I	71+68.53 TO 71+82.53	LT	120	30					6484	4	0.001	0.002				
					SUB-TOTAL:				SUB-TOTAL:				3.48			

REVISIONS				JAMES MICHAEL WINTER, JR., PE PE LICENSE NUMBER 55514 SCALAR CONSULTING GROUP INC. 13337 N. 56TH STREET TAMPA, FLORIDA 33617 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES (7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		SQ-7

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	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	CONSTRUCTION REMARKS		
					0107 1				0107 2							
	STA. TO STA.				AREA ID	CYCLES	AC/ CYCLE	AREA		AREA ID	CYCLES	AC/ CYCLE			AREA	
								TOTAL (AC)							TOTAL (AC)	
				P	F				P	F						
I	72+64.42 TO 72+69.68	RT	120	30					6486	4	0.002	0.010	B SURVEY SR 45 @ WORRINGTON ST.			
I	72+89.07 TO 73+35.56	LT	120	30					6491	4	0.003	0.010				
I	72+92.78 TO 73+00.35	RT	120	30					6493	4	0.001	0.002				
I	73+06.77 TO 73+83.91	RT	120	30					6495	4	0.005	0.020				
I	73+54.15 TO 73+64.84	LT	120	30					6497	4	0.002	0.009				
I	73+59.65 TO 73+69.13	LT	120	30					6499	4	0.014	0.054				
I	73+93.64 TO 73+98.33	LT	120	30					6502	4	0.002	0.008				
I	73+96.20 TO 74+09.54	LT	120	30					6504	4	0.003	0.013				
I	74+11.69 TO 74+11.69	LT	120	30					6510	4	0.006	0.026				
I	74+77.82 TO 74+77.82	RT	120	30					6512	4	0.002	0.010				
I	74+78.15 TO 74+78.15	RT	120	30					6514	4	0.005	0.018				
I	81+10.07 TO 81+78.24	RT	120	30					6537	4	0.005	0.020	B SURVEY SR 45 @ GLENGARY ST.			
I	81+84.52 TO 82+40.92	RT	120	30					6545	4	0.004	0.016				
I	81+96.28 TO 82+08.72	LT	120	30					6541	4	0.001	0.002				
I	82+13.93 TO 82+25.55	LT	120	30					6547	4	0.001	0.002				
I	82+30.31 TO 82+38.05	LT	120	30					6550	4	0.005	0.020				
I	82+60.37 TO 82+78.01	LT	120	30					6552	4	0.015	0.061				
I	82+78.49 TO 82+92.63	LT	120	30					6557	4	0.001	0.004				
I	82+97.60 TO 83+15.94	LT	120	30					6559	4	0.001	0.005				
I	83+20.15 TO 83+42.61	RT	120	30					6563	4	0.001	0.006				
I	83+21.39 TO 84+08.94	LT	120	30					6561	4	0.006	0.022				
I	842+50.95 TO 843+00.37	RT	120	30					6591	4	0.007	0.030	B SURVEY SR 45 (WEBBER ST.)			
I	842+67.87 TO 844+13.49	LT	120	30					6597	4	0.021	0.085				
I	843+06.78 TO 843+76.17	RT	120	30					6593	4	0.010	0.039				
I	844+80.10 TO 844+86.71	LT	120	30					6605	4	0.003	0.013				
I	844+81.89 TO 844+87.96	LT	120	30					6603	4	0.002	0.007				
I	845+04.68 TO 846+10.00	RT	120	30					6599	4	0.039	0.156				
I	845+15.74 TO 845+56.06	LT	120	30					6607	4	0.004	0.016				
I	845+26.34 TO 846+10.00	RT	120	30					6601	4	0.015	0.062				
I	845+63.55 TO 846+10.00	LT	120	30					6612	4	0.005	0.020				
I	872+12.99 TO 872+41.23	RT	120	30					6628	4	0.003	0.010		B SURVEY SR 45 (HILLVIEW ST.)		
I	872+90.52 TO 873+46.32	LT	120	30					6632	4	0.006	0.025				
I	873+04.80 TO 873+68.81	RT	120	30					6630	4	0.007	0.030				
I	873+81.37 TO 873+90.17	LT	120	30					6636	4	0.003	0.011				
I	873+81.38 TO 873+89.26	LT	120	30					6634	4	0.002	0.008				
I	874+75.00 TO 875+04.09	RT	120	30					6641	4	0.003	0.012				
I	875+46.41 TO 875+63.85	RT	120	30					6643	4	0.002	0.008				
I	875+79.61 TO 875+99.40	RT	120	30					6645	4	0.002	0.008				
I	881+99.98 TO 882+31.17	RT	120	30					11268	4	0.004	0.016	B SURVEY SR 45 (WALDEMERE ST.)			
I	882+00.02 TO 883+50.50	LT	120	30					11271	4	0.020	0.078				
I	883+21.64 TO 883+44.17	RT	120	30					11272	4	0.002	0.009				
I	883+51.67 TO 883+57.62	RT	120	30					11273	4	0.001	0.005				
I	883+99.37 TO 884+07.92	RT	120	30					11274	4	0.001	0.002				
I	884+12.53 TO 884+16.59	RT	120	30					11276	4	0.002	0.006				
I	884+74.77 TO 885+33.02	RT	120	30					11279	4	0.007	0.027				
I	884+76.24 TO 886+32.61	LT	120	30					11286	4	0.021	0.082				
I	885+40.29 TO 885+52.46	RT	120	30					11280	4	0.001	0.004				
I	885+91.97 TO 886+18.81	RT	120	30					11283	4	0.003	0.011				
SUB-TOTAL:												1.12				

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					JAMES MICHAEL WINTER, JR., PE PE LICENSE NUMBER 55514 SCALAR CONSULTING GROUP INC. 13337 N. 56TH STREET TAMPA, FLORIDA 33617 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 45</td> <td>SARASOTA</td> <td>440136-1-52-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	SARASOTA	440136-1-52-01	SUMMARY OF QUANTITIES (8)	SHEET NO. SQ-8
REVISIONS																									
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																							
SR 45	SARASOTA	440136-1-52-01																							

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SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 0107 1				MOWING 0107 2				DESIGN NOTES	CONSTRUCTION REMARKS	
					AREA ID	CYCLES	AREA		AREA ID	CYCLES	AREA				
	AC/CYCLE						TOTAL (AC)	AC/CYCLE			TOTAL (AC)				
												P			F
I	886+51.69 TO 887+37.43	RT	120	30					11292	4	0.011	0.045	@ SURVEY SR 45 (WALDEMERE ST.)		
I	886+58.62 TO 886+88.05	LT	120	30					11289	4	0.004	0.014			
I	895+63.47 TO 896+12.39	RT	120	30					6708	4	0.007	0.030	@ SURVEY SR 45 (BAHIA VISTA ST.)		
I	895+77.00 TO 896+20.84	LT	120	30					6710	4	0.003	0.011			
I	896+17.75 TO 897+30.54	RT	120	30					6714	4	0.017	0.068			
I	896+25.84 TO 897+35.67	LT	120	30					6712	4	0.008	0.030			
I	898+03.31 TO 898+07.87	RT	120	30					6717	4	0.002	0.007			
I	898+03.31 TO 898+12.62	RT	120	30					6722	4	0.003	0.011			
I	898+10.82 TO 898+33.81	RT	120	30					6726	4	0.002	0.009			
I	898+44.92 TO 898+64.85	RT	120	30					6733	4	0.003	0.011			
I	898+46.33 TO 898+93.72	LT	120	30					6730	4	0.007	0.027			
I	898+73.74 TO 898+98.25	RT	120	30					6737	4	0.003	0.013			
I	898+98.40 TO 899+46.46	LT	120	30					6740	4	0.007	0.029			
I	899+46.50 TO 899+96.01	RT	120	30					6742	4	0.007	0.026			
I	899+57.44 TO 899+96.06	LT	120	30					6746	4	0.006	0.023			
I	912+40.00 TO 913+01.78	LT	120	30					6774	4	0.007	0.026		@ SURVEY SR 45 @ BAY ST.	
I	912+48.78 TO 912+76.68	RT	120	30					6778	4	0.003	0.013			
I	912+83.63 TO 913+76.15	RT	120	30					6782	4	0.011	0.042			
I	912+90.96 TO 914+55.08	LT	120	30					6784	4	0.015	0.058			
I	913+34.29 TO 913+71.10	LT	120	30					6786	4	0.001	0.004			
I	913+82.44 TO 913+91.88	RT	120	30					6792	4	0.001	0.002			
I	913+83.55 TO 914+61.62	LT	120	30					6788	4	0.004	0.014			
I	915+24.77 TO 915+45.27	RT	120	30					6795	4	0.007	0.029			
I	915+81.96 TO 917+51.49	LT	120	30					6800	4	0.008	0.031			
					SUB-TOTAL:				SUB-TOTAL:				0.57		

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>JAMES MICHAEL WINTER, JR., PE PE LICENSE NUMBER 55514 SCALAR CONSULTING GROUP INC. 13337 N. 56TH STREET TAMPA, FLORIDA 33617 CERTIFICATE OF AUTHORIZATION NO. 29560</p>	<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 45</td> <td>SARASOTA</td> <td>440136-1-52-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	SARASOTA	440136-1-52-01	<p align="center">SUMMARY OF QUANTITIES (9)</p>	<p>SHEET NO. SQ-9</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																			
SR 45	SARASOTA	440136-1-52-01																			

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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)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
						AREA (AC)	P	F	P	F		
110 1 1	CLEARING & GRUBBING	12+21.87 TO 912+85.38	LT/RT		LS		1		1		0.08 AC	
		12+21.87 TO 12+29.87	LT	11958		0.002					☒ SURVEY SR 45 @ UPPER BEECHWOOD AVE.	
		21+69.26 TO 21+80.51	LT	18358		0.001						0.0008 AC
		21+69.93 TO 21+76.26	LT	11963		0.001						0.0006 AC
		22+72.62 TO 22+84.70	RT	11968		0.002					☒ SURVEY SR 45 @ CONSTITUTION BLVD.	
		23+44.91 TO 23+54.08	RT	11973		0.002						
		23+62.74 TO 23+74.04	LT	11978		0.002						
		31+40.85 TO 31+50.41	RT	11983		0.002						
		32+76.36 TO 32+87.34	RT	11993		0.002					☒ SURVEY SR 45 @ PHILLIPPI ISLE	
		33+28.07 TO 33+36.16	RT	11998		0.002						
		33+87.33 TO 33+95.42	RT	12003		0.002						
		42+07.06 TO 42+14.81	LT	12023		0.002						
		42+29.34 TO 42+38.34	RT	12018		0.002					☒ SURVEY SR 45 @ PHILLIPPI ST.	
		43+06.20 TO 43+14.20	RT	14956		0.002						
		43+46.11 TO 43+56.77	LT	12028		0.002						
		51+67.69 TO 51+76.69	RT	12033		0.002						
		51+88.01 TO 51+96.01	RT	12038		0.002						
		52+78.67 TO 52+81.94	LT	18361		0.001					☒ SURVEY SR 45 @ PROCTOR RD.	0.0006 AC
		52+84.00 TO 52+94.41	LT	12053		0.002						
		53+51.51 TO 53+59.52	RT	12043		0.002						
		53+45.21 TO 53+56.06	LT	12048		0.002						
		62+19.46 TO 62+30.55	LT	12058		0.004					☒ SURVEY SR 45 @ FIELD RD.	
		82+65.01 TO 82+74.86	LT	12078		0.002					☒ SURVEY SR 45 @ GLENGARY ST.	
		843+00.06 TO 843+08.32	RT	12083		0.002						
		843+74.67 TO 843+82.67	RT	12088		0.002						
		844+23.20 TO 844+31.47	LT	12093		0.002					☒ SURVEY SR 45 (WEBBER ST.)	
		844+79.53 TO 844+89.01	LT	12103		0.002						
		844+80.17 TO 844+88.44	LT	12098		0.002						
		873+79.87 TO 873+88.87	LT	12113		0.002						
		874+54.41 TO 874+62.41	RT	12118		0.002					☒ SURVEY SR 45 (HILLVIEW ST.)	
		875+97.90 TO 876+05.90	RT	12123		0.002						
		882+70.24 TO 882+78.24	RT	12128		0.002						
		883+39.57 TO 883+54.57	RT	12133		0.002						
		884+12.92 TO 884+15.93	RT	14981		0.000					☒ SURVEY SR 45 (WALDEMERE ST.)	0.0004 AC
		885+31.52 TO 885+39.52	RT	18891		0.002						
		896+19.34 TO 896+27.34	LT	12143		0.002						
		897+31.28 TO 897+39.28	RT	12148		0.002					☒ SURVEY SR 45 (BAHIA VISTA ST.)	
		898+03.46 TO 898+08.56	RT	12153		0.002						
		912+77.20 TO 912+85.38	RT	12158		0.002						
		913+69.22 TO 913+77.06	RT	14985		0.002					☒ SURVEY SR 45 @ BAY ST.	
110 4 10	REMOVAL OF EXISTING CONCRETE	11+12.29 TO 11+17.29	RT	9525	SY		2.8		167			
		11+33.87 TO 11+41.37	RT	9526			5.0				☒ SURVEY SR 45 @ UPPER BEECHWOOD AVE. (SIDEWALK)	
		12+23.10 TO 12+29.10	LT	9528			5.0					
		12+74.82 TO 12+79.82	RT	9527			2.8					
		13+10.23 TO 13+16.23	LT	9529			5.0					
		21+69.43 TO 21+80.67	LT	14067			8.1				☒ SURVEY SR 45 @ CONSTITUTION BLVD. (SIDEWALK)	
		33+25.78 TO 33+33.28	LT	9530			5.0				☒ SURVEY SR 45 @ PHILLIPPI ISLE (SIDEWALK)	

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	SARASOTA	440136-1-52-01		SQ-10

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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)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
						AREA (AC)	P	F	P	F		
110 4 10	REMOVAL OF EXISTING CONCRETE (CONT'D)	52+81.67 TO 52+89.35	LT	9532	SY		5.0				☒ SURVEY SR 45 @ PROCTOR RD. (SIDEWALK)	
		63+24.83 TO 63+29.89	RT	9533			2.8				☒ SURVEY SR 45 @ FIELD RD. (SIDEWALK)	
		72+33.02 TO 72+39.17	RT	9536			5.0				☒ SURVEY SR 45 @ WORRINGTON ST. (SIDEWALK)	
		72+31.25 TO 72+36.26	RT	9537			2.8					
		72+78.07 TO 72+83.06	RT	14079			2.8					
		73+01.73 TO 73+06.73	RT	14080			2.8					
		73+18.20 TO 73+31.20	LT	14104			9.9					
		82+69.62 TO 82+75.79	LT	9541			5.0				☒ SURVEY SR 45 @ GLENGARY ST. (SIDEWALK)	
		83+20.35 TO 83+25.40	RT	9542			2.8				☒ SURVEY SR 45 (WEBBER ST.) (SIDEWALK)	
		845+04.07 TO 845+10.06	RT	14107			5.0					
		845+57.35 TO 845+63.39	LT	14967			3.4				☒ SURVEY SR 45 (WALDEMERE ST.) (SIDEWALK)	
		874+00.24 TO 874+06.29	RT	14110			9.4					
		874+98.37 TO 875+03.37	LT	9545			2.8					
		883+39.57 TO 883+54.57	RT	14914			10.4					
		883+74.97 TO 883+82.97	LT	14912			9.9					
		884+06.92 TO 884+12.92	RT	14990			5.0					
		884+56.56 TO 884+61.56	RT	9548			2.8					
		884+53.40 TO 884+58.40	LT	9547			2.8					
		884+56.67 TO 884+61.67	LT	18995			2.8					
		897+35.67 TO 897+40.67	LT	9549			2.8					
		898+05.15 TO 898+11.17	LT	9551			5.0				☒ SURVEY SR 45 (BAHIA VISTA ST.) (SIDEWALK)	
		898+07.12 TO 898+13.04	LT	9550			2.8					
		898+08.56 TO 898+13.56	RT	14916			4.4					
		913+75.69 TO 913+83.36	RT	9552			7.0				☒ SURVEY SR 45 @ BAY ST. (SIDEWALK)	
		914+53.11 TO 914+59.57	RT	9553			2.8					
		914+69.90 TO 914+78.00	RT	9556			5.0					
		914+71.94 TO 914+78.22	RT	9554			2.8					

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DATE	DESCRIPTION	DATE	DESCRIPTION																		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																			
SR 45	SARASOTA	440136-1-52-01																			

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SUMMARY OF SIDEWALK & DETECTABLE WARNINGS						
LOCATION	SIDE	AREA ID	CONC SIDEWALK 4"		DESIGN NOTES	CONSTRUCTION REMARKS
			0522	1		
STA. TO STA.			SY			
			P	F		
52+79.67 to 52+81.94	LT	18788	3.0		☒ SURVEY SR 45 (PROCTOR RD.)	
884+12.92 to 884+15.93	RT	16790	2.2		☒ SURVEY SR 45 (WALDEMERE ST.)	
SUB-TOTAL:			5.2			
TOTAL:			5			

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS		NET LENGTH		P	F		
							TYPE	LENGTH	P	F	P	F		
0520 1 10	Concrete Curb & Gutter, Type F	884+47.22 to 884+47.22	RT		LF	8.0			8.0		16		WALDEMERE ST. (WB)	
		897+58.99 to 897+58.99	LT			8.0			8.0				BAHIA VISTA ST. (WB)	
0520 2 4	Concrete Curb, Type D	884+17.85 to 884+17.85	RT		LF	8.0			8.0		8		WALDEMERE ST. (EB)	

REVISIONS				JAMES MICHAEL WINTER, JR., PE PE LICENSE NUMBER 55514 SCALAR CONSULTING GROUP INC. 13337 N. 56TH STREET TAMPA, FLORIDA 33617 CERTIFICATE OF AUTHORIZATION NO. 29560	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES (12)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-12
					SR 45	SARASOTA	440136-1-52-01		

SUMMARY OF PERFORMANCE TURF								
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
STA. TO STA.					SY			
					P	F		
12+21.87 to 12+26.20	LT	10166			3.9		Ⓡ SURVEY SR 45 @ UPPER BEECHWOOD AVE.	
21+67.86 to 21+78.42	LT	18103			4.4		Ⓡ SURVEY SR 45 @ CONSTITUTION BLVD.	
22+72.69 to 22+84.78	RT	10178			5.5			
23+44.91 to 23+54.08	RT	10184			4.3			
23+62.74 to 23+74.04	LT	10190			5.5			
30+67.14 to 30+76.24	RT	15007			4.3		Ⓡ SURVEY SR 45 @ PHILLIPPI ISLE	
31+40.85 to 31+50.41	RT	11983			5.5			
32+76.36 to 32+87.34	RT	10210			5.5			
33+28.07 to 33+36.07	RT	10215			4.3			
33+87.33 to 33+95.42	RT	10220			4.3			
42+10.93 to 42+10.93	LT	10246			3.9		Ⓡ SURVEY SR 45 @ PHILLIPPI ST.	
42+33.84 to 42+33.84	RT	10241			5.5			
43+46.11 to 43+56.61	LT	10251			5.5			
51+67.69 to 51+76.69	RT	10261			5.5		Ⓡ SURVEY SR 45 @ PROCTOR RD.	
51+88.01 to 51+96.01	RT	10266			4.3			
52+76.64 to 52+81.94	LT	18110			4.0			
52+84.00 to 52+94.41	LT	10281			4.3			
53+45.21 to 53+55.70	LT	26448			5.5			
53+51.51 to 53+59.51	RT	10271			4.3			
62+19.47 to 62+29.76	LT	15625			7.3			Ⓡ SURVEY SR 45 @ FIELD RD.
82+65.01 to 82+74.86	LT	10311			4.3		Ⓡ SURVEY SR 45 @ GLENGARY ST.	
843+00.33 to 843+08.32	RT	10322			4.3		Ⓡ SURVEY SR 45 (WEBBER ST.)	
843+74.67 to 843+82.67	RT	10327			4.3			
844+23.20 to 844+31.47	LT	10332			4.3			
844+79.53 to 844+89.01	LT	10342			5.5			
844+80.17 to 844+88.44	LT	10337			4.3			
845+50.39 to 845+52.39	LT	15643			1.1			
845+63.39 to 845+65.39	LT	15645			1.1			
873+81.03 to 873+90.03	LT	10355			5.5			Ⓡ SURVEY SR 45 (HILLVIEW ST.)
874+54.41 to 874+62.41	RT	10360			4.3			
875+97.90 to 876+05.90	RT	10365			4.3			
882+70.24 to 882+78.24	RT	10373			4.3		Ⓡ SURVEY SR 45 (WALDEMERE ST.)	
883+39.57 to 883+54.57	RT	15660			4.0			
884+12.93 to 884+15.93	RT	15677			0.9			
884+12.92 to 884+15.93	RT	15682			0.9			
884+57.26 to 884+61.26	RT	15695			3.5			
896+19.34 to 896+27.34	LT	10389			4.3			Ⓡ SURVEY SR 45 (BAHIA VISTA ST.)
897+31.28 to 897+39.28	RT	10395			4.3			
898+03.46 to 898+05.60	RT	15713			5.5			
912+77.20 to 912+85.38	RT	10407			4.3		Ⓡ SURVEY SR 45 @ BAY ST.	
SUB-TOTAL:					172.9			
TOTAL:					173			

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 45	SARASOTA	440136-1-52-01			