STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 434986-1-52-01

(FEDERAL FUNDS)

HIGHLANDS COUNTY (09030000 & 09080000)

STATE ROAD NO. 25 (US 27)

SIGNALIZATION PLANS

INDEX OF SIGNALIZATION PLANS

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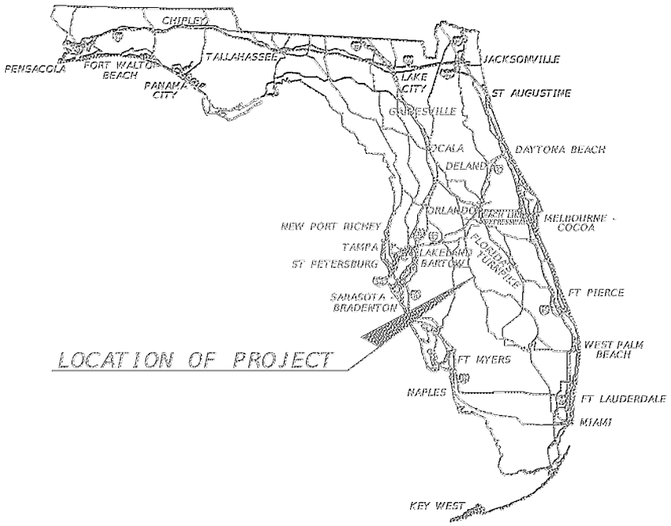
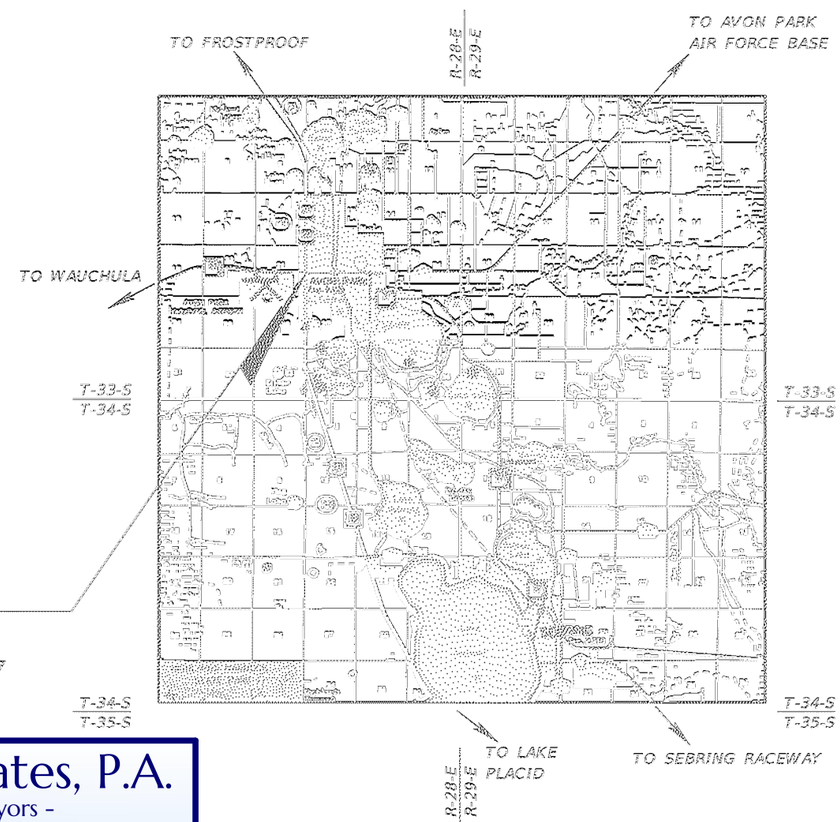
	5	COORDINATE SHEET





SIGNAL LOCATION
SR 25 (US 27) AT
SR 64 / SR 17 (MAIN ST)
MP 14.230, SIGNAL ID # 207

SIGNALIZATION PLANS
ENGINEER OF RECORD:

RYAN K. BADERSCHNEIDER, P.E.
P.E. NO.: 60851
COMPREHENSIVE ENGINEERING SERVICES, INC.
201 S. ORANGE AVENUE, SUITE 1300
ORLANDO FLORIDA, 32801
(407) 423-1600
CONTRACT NO.: C9H62
VENDOR NO.: F593472222001
CERTIFICATE OF AUTHORIZATION NO.: 7862

FDOT PROJECT MANAGER:

Amy E. Blair, P.E.

6364 US Highway 27 North
Sebring, Florida 33870
Phone: 863.873.4522
Web: www.WhislerPA.Com
Email: RWhisler4@WhislerPA.com
Florida Licensed Business Number 8138

Whisler & Associates, P.A.
- Professional Land Surveyors -

SURVEY PROJECT NUMBER: SP-2764-02
FIELD COMPLETTION DATE: 09-22-2019

AS-BUILT SURVEY

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, OR WITHOUT ALL STATED SHEETS.

SURVEY SHEET 1 OF 6

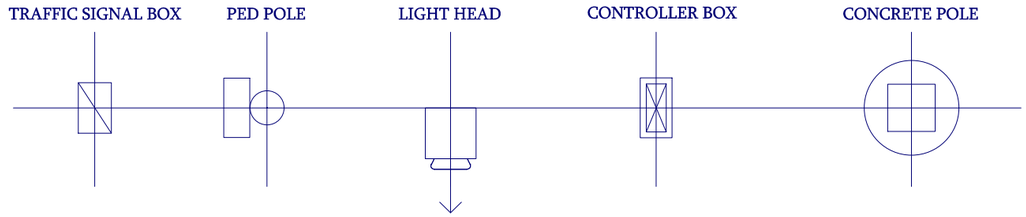
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T1701	18	T-1

SURVEYOR'S NOTES

1. THE INTERNED PURPOSE OF THIS DOCUMENT IS TO CONVEY INFORMATION SPECIFIC TO THE LOCATION OF NEWLY CONSTRUCTED TRAFFIC AND SIGNALIZATION SYSTEMS IN THE VICINITY OF THE INTERSECTION OF HIGHWAY 27 AND HIGHWAY 64, LOCATED IN AVON PARK, FLORIDA.
2. BEARINGS SHOWN ARE ASSUMED AND BASED ON INFORMATION PROVIDED WITHIN CONSTRUCTION PLANS.
3. SHADED BACKGROUND AND/OR PLAN SHEETS SHOWN FOR REFERENCE ONLY AND MAY NOT DEPICT CURRENT SITE CONDITIONS. NO LIABILITY IS ASSUMED BY THIS OFFICE FOR ANY SHADED OR PLAN INFORMATION. AS-BUILT INFORMATION SHOWN IN DARK BLUE INK.
4. UNDERGROUND, NON-VISIBLE IMPROVEMENTS (OTHER THAN ANY SHOWN) WERE NOT LOCATED AS PART OF THIS SURVEY.
5. THIS SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THOSE PARTIES LISTED UNDER THE CERTIFICATIONS OF THIS DOCUMENT. USE BY ANY ENTITY OTHER THAN THOSE LISTED IS SUBJECT TO THE WRITTEN APPROVAL OF THE SIGNATORY BELOW.
6. SYMBOLOGY MAY BE PLOTTED AT AN EXAGGERATED SCALE OR LOCATION FOR VISUAL CLARITY.
7. SURVEY BASELINE BEARINGS, ROADWAY STATIONING AND COORDINATES SHOWN ARE BASED ON INFORMATION AS PROVIDED WITHIN CONSTRUCTION PLANS.
8. COORDINATES SHOWN ARE RELATIVE TO THE FLORIDA STATE PLANE EAST COORDINATE SYSTEM.
9. MEASUREMENT DATA SHOWN IS IN UNITS OF UNITED STATES SURVEY FEET.
10. AERIAL IMAGERY SHOWN DOES NOT NECESSARILY DEPICT CURRENT SITE CONDITIONS AND IS ONLY SHOWN FOR VISUAL ORIENTATION PURPOSES.
11. IT IS UNLAWFUL TO REPRODUCE THIS DOCUMENT. REPRODUCTIONS ARE STRICTLY PER THE WRITTEN APPROVAL OF THE SIGNATORY BELOW.

STRUCTURE STATIONING REFERENCE LOCATIONS



CERTIFICATIONS

CERTIFIED TO AND FOR THE EXCLUSIVE USE OF: (3 OF 3)

1) CONCRETE SERVICES, LLC
2) JOHN WOOD GROUP, PLC
3) FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)

LEGEND

LT	LEFT
RT	RIGHT
PED	PEDESTRIAN
TJB	TRAFFIC SIGNAL JUNCTION BOX (IN GROUND)
	TRAFFIC SIGNAL JUNCTION BOX AND ROTATION
	PEDESTRIAN SIGNAL POLE AND ROTATION
	TRAFFIC SIGNAL HEAD AND ROTATION
	CONTROLLER BOX (ABOVE GROUND)
	CONCRETE SIGNAL WIRE POLE AND ROTATION
●	CONCRETE POST AND ELECTRIC METER

Whisler & Associates, P.A.
- Professional Land Surveyors -

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Phone: 863.873.4522
Web: www.WhislerPA.Com
Email: RWhisler4@WhislerPA.com
Florida Licensed Business Number 8138

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

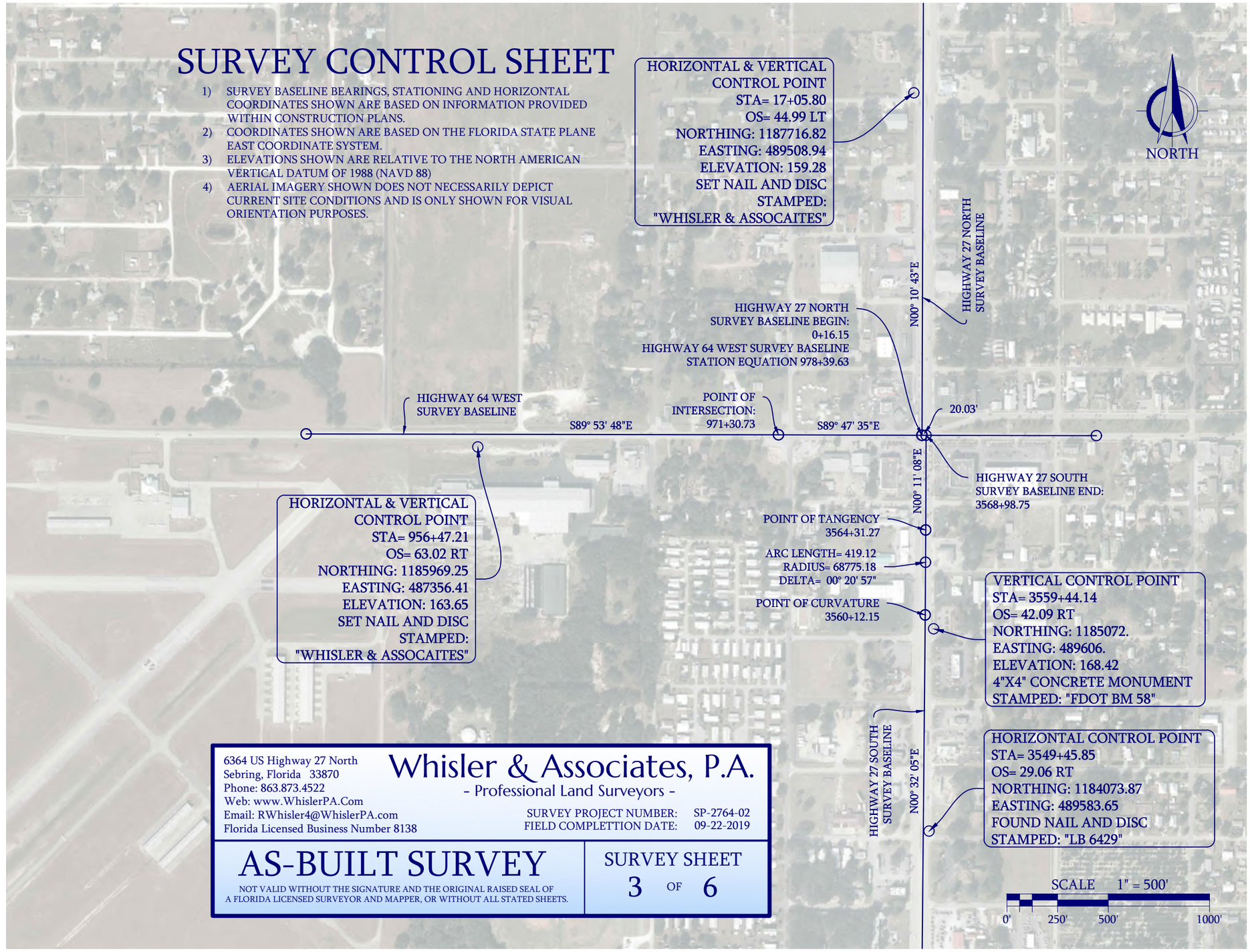
Ralph H. Whisler IV, PSM
Florida Registration Number 7031

DATE

PROJECT NUMBER	SP-2764-02
FIELD SURVEY COMPLETION DATE	09-22-2019
FIELD CREW	RHW4, DK
DRAFTSPERSON	RHW4
DATE OF DRAWING	09-24-2019
DRAWING SCALE	-VARIES-
SURVEY EDITION	FIRST RELEASE

SURVEY CONTROL SHEET

1) SURVEY BASELINE BEARINGS, STATIONING AND HORIZONTAL COORDINATES SHOWN ARE BASED ON INFORMATION PROVIDED WITHIN CONSTRUCTION PLANS.
2) COORDINATES SHOWN ARE BASED ON THE FLORIDA STATE PLANE EAST COORDINATE SYSTEM.
3) ELEVATIONS SHOWN ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
4) AERIAL IMAGERY SHOWN DOES NOT NECESSARILY DEPICT CURRENT SITE CONDITIONS AND IS ONLY SHOWN FOR VISUAL ORIENTATION PURPOSES.



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SURVEY PROJECT NUMBER: SP-2764-02
FIELD COMPLETTION DATE: 09-22-2019

AS-BUILT SURVEY

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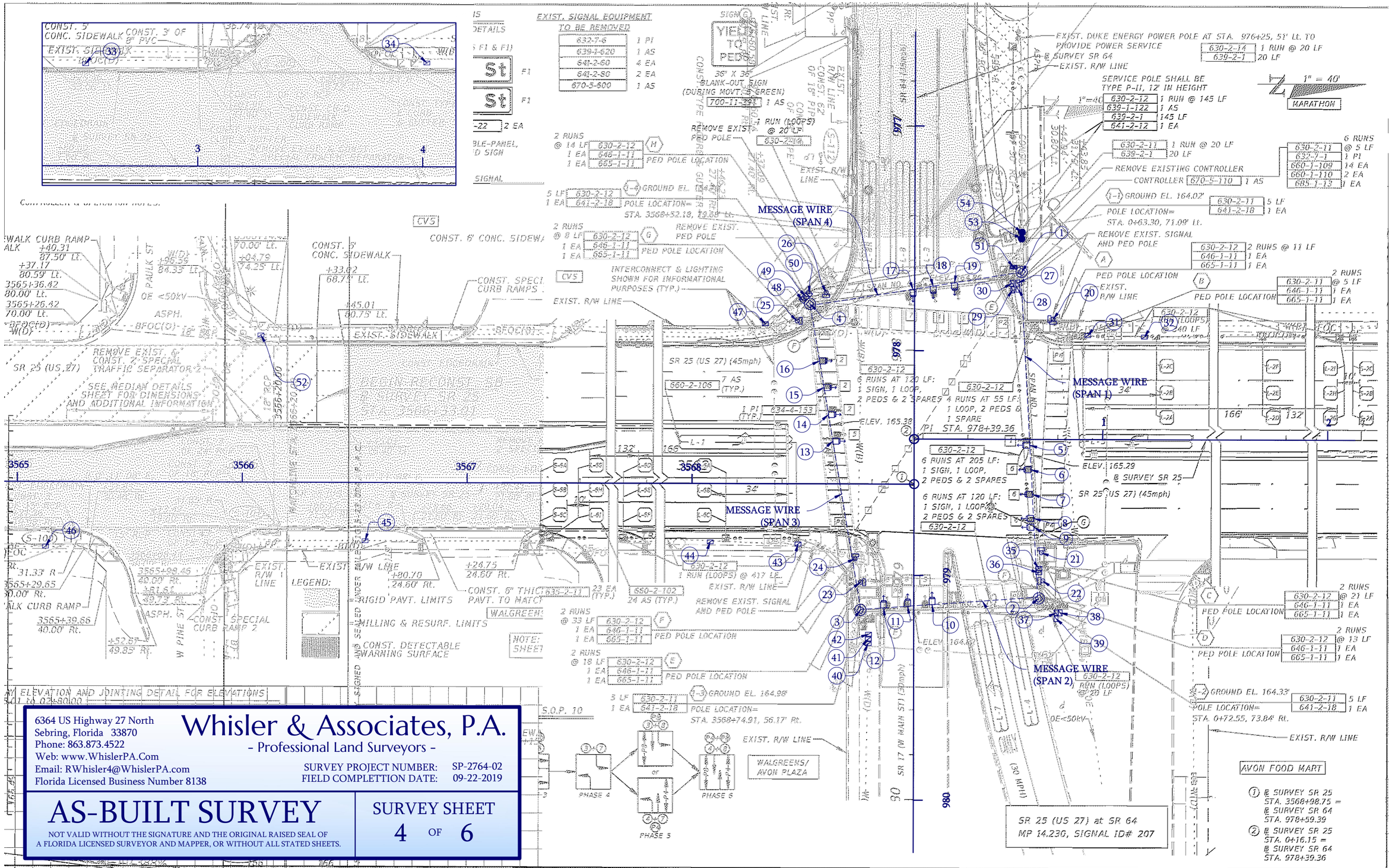
SURVEY SHEET
3 OF 6



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FIELD COMPLETION DATE: 09-22-2019

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SURVEY SHEET 4 OF 6

Comprehensive Engineering Services, Inc.
201 S Orange Ave, Suite 1300
Orlando, FL 32801-3442
Certificate of Authorization No. 7862
Ryan K. Baderschneider, P.E., License No. 60851

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	HIGHLANDS	434986-1-52-01

SIGNALIZATION PLAN

SHEET NO. T-5

POINT TABLE

POINT	DESCRIPTION	NORTHING	EASTING	LATITIUDE	LONGITUDE	STATION	OFFSET
1	POLE 1-1	1186074.8	489474.3	N027° 35' 44.58"	W081° 30' 52.77"	0+63.7	74.5 LT
2	POLE 1-2	1186082.4	489619.6	N027° 35' 44.67"	W081° 30' 51.16"	0+71.7	70.7 RT
3	POLE 1-3	1186003.1	489624.7	N027° 35' 43.88"	W081° 30' 51.10"	3568+75.1	56.1 RT
4	POLE 1-4	1185980.7	489488.5	N027° 35' 43.65"	W081° 30' 52.61"	3568+52.2	80.0 LT
5	LIGHT HEAD 1A	1186078.5	489551.4	N027° 35' 44.62"	W081° 30' 51.92"	0+67.6	2.6 RT
6	LIGHT HEAD 6A	1186079.0	489562.3	N027° 35' 44.63"	W081° 30' 51.80"	0+68.2	13.5 RT
7	LIGHT HEAD 6B	1186079.6	489573.2	N027° 35' 44.64"	W081° 30' 51.67"	0+68.8	24.4 RT
8	LIGHT HEAD 6C	1186080.1	489583.9	N027° 35' 44.64"	W081° 30' 51.56"	0+69.4	35.1 RT
9	YIELD SIGN HEAD	1186080.3	489587.9	N027° 35' 44.64"	W081° 30' 51.51"	0+69.6	39.1 RT
10	LIGHT HEAD 3A	1186035.0	489622.3	N027° 35' 44.20"	W081° 30' 51.13"	0+24.3	73.6 RT
11	LIGHT HEAD 8A	1186024.1	489623.0	N027° 35' 44.09"	W081° 30' 51.12"	3568+96.1	54.3 RT
12	LIGHT HEAD 8B	1186013.5	489623.8	N027° 35' 43.98"	W081° 30' 51.11"	3568+85.4	55.1 RT
13	LIGHT HEAD 5A	1185990.9	489549.5	N027° 35' 43.76"	W081° 30' 51.93"	3568+62.6	19.0 LT
14	LIGHT HEAD 2A	1185988.9	489537.7	N027° 35' 43.74"	W081° 30' 52.07"	3568+60.6	30.9 LT
15	LIGHT HEAD 2B	1185986.9	489525.7	N027° 35' 43.72"	W081° 30' 52.20"	3568+58.5	42.9 LT
16	LIGHT HEAD 2C	1185985.0	489513.9	N027° 35' 43.70"	W081° 30' 52.33"	3568+56.5	54.7 LT
17	LIGHT HEAD 7A	1186026.6	489482.0	N027° 35' 44.11"	W081° 30' 52.69"	3568+98.0	86.6 LT
18	LIGHT HEAD 4A	1186035.5	489480.6	N027° 35' 44.20"	W081° 30' 52.70"	0+24.4	68.1 LT
19	LIGHT HEAD 4B	1186045.0	489479.1	N027° 35' 44.29"	W081° 30' 52.72"	0+33.9	69.9 LT
20	PED POLE B (DUAL)	1186088.8	489495.3	N027° 35' 44.72"	W081° 30' 52.54"	0+77.7	53.6 LT
21	PED POLE C	1186083.6	489599.3	N027° 35' 44.68"	W081° 30' 51.39"	0+72.9	50.4 RT
22	PED POLE D	1186084.3	489611.8	N027° 35' 44.68"	W081° 30' 51.25"	0+73.6	62.9 RT
23	PED POLE E	1186003.2	489612.4	N027° 35' 43.88"	W081° 30' 51.24"	3568+75.1	43.7 RT
24	PED POLE F	1186000.8	489602.0	N027° 35' 43.86"	W081° 30' 51.35"	3568+72.7	33.4 RT
25	PED POLE G	1185975.0	489496.1	N027° 35' 43.60"	W081° 30' 52.53"	3568+46.5	72.5 LT
26	PED POLE H	1185987.9	489483.4	N027° 35' 43.72"	W081° 30' 52.67"	3568+59.4	85.2 LT
27	JUNCTION BOX	1186073.0	489479.2	N027° 35' 44.57"	W081° 30' 52.72"	0+61.9	69.6 LT
28	JUNCTION BOX	1186073.2	489482.0	N027° 35' 44.57"	W081° 30' 52.69"	0+62.1	66.8 LT

POINT TABLE

POINT	DESCRIPTION	NORTHING	EASTING	LATITIUDE	LONGITUDE	STATION	OFFSET
29	JUNCTION BOX	1186070.9	489482.3	N027° 35' 44.55"	W081° 30' 52.68"	0+59.8	66.5 LT
30	JUNCTION BOX	1186070.6	489479.3	N027° 35' 44.54"	W081° 30' 52.72"	0+59.5	69.5 LT
31	JUNCTION BOX	1186104.2	489502.6	N027° 35' 44.88"	W081° 30' 52.46"	0+93.2	46.3 LT
32	JUNCTION BOX	1186129.4	489503.3	N027° 35' 45.13"	W081° 30' 52.45"	1+18.4	45.7 LT
33	JUNCTION BOX	1186261.0	489504.0	N027° 35' 46.43"	W081° 30' 52.45"	2+50.0	45.4 LT
34	JUNCTION BOX	1186412.7	489503.7	N027° 35' 47.93"	W081° 30' 52.46"	4+01.7	46.2 LT
35	JUNCTION BOX	1186082.4	489606.2	N027° 35' 44.67"	W081° 30' 51.31"	0+71.7	57.4 RT
36	JUNCTION BOX	1186082.4	489608.1	N027° 35' 44.67"	W081° 30' 51.29"	0+71.7	59.3 RT
37	JUNCTION BOX	1186090.1	489626.0	N027° 35' 44.74"	W081° 30' 51.09"	0+79.5	77.2 RT
38	JUNCTION BOX	1186092.0	489626.0	N027° 35' 44.76"	W081° 30' 51.09"	0+81.3	77.1 RT
39	JUNCTION BOX	1186090.1	489628.5	N027° 35' 44.74"	W081° 30' 51.06"	0+79.5	79.6 RT
40	JUNCTION BOX	1186006.6	489639.7	N027° 35' 43.92"	W081° 30' 50.93"	3568+78.6	71.0 RT
41	JUNCTION BOX	1186006.6	489637.6	N027° 35' 43.92"	W081° 30' 50.96"	3568+78.6	68.9 RT
42	JUNCTION BOX	1186006.7	489635.5	N027° 35' 43.92"	W081° 30' 50.98"	3568+78.7	66.8 RT
43	JUNCTION BOX	1185975.4	489595.3	N027° 35' 43.61"	W081° 30' 51.42"	3568+47.3	26.8 RT
44	JUNCTION BOX	1185936.3	489594.4	N027° 35' 43.22"	W081° 30' 51.43"	3568+08.2	26.0 RT
45	JUNCTION BOX	1185782.9	489593.8	N027° 35' 41.70"	W081° 30' 51.43"	3566+54.7	25.9 RT
46	JUNCTION BOX	1185640.8	489596.3	N027° 35' 40.29"	W081° 30' 51.40"	3565+12.6	28.8 RT
47	JUNCTION BOX	1185960.9	489497.3	N027° 35' 43.46"	W081° 30' 52.51"	3568+32.4	71.2 LT
48	JUNCTION BOX	1185977.4	489486.7	N027° 35' 43.62"	W081° 30' 52.63"	3568+48.9	81.8 LT
49	JUNCTION BOX	1185978.9	489485.2	N027° 35' 43.64"	W081° 30' 52.65"	3568+50.4	83.3 LT
50	JUNCTION BOX	1185980.4	489483.8	N027° 35' 43.65"	W081° 30' 52.66"	3568+51.9	84.8 LT
51	CONTROLLER	1186071.3	489472.2	N027° 35' 44.55"	W081° 30' 52.80"	0+60.2	76.6 LT
52	JUNCTION BOX	1185736.5	489502.3	N027° 35' 41.24"	W081° 30' 52.45"	3566+08.1	65.5 LT
53	METER POST	1186074.8	489459.5	N027° 35' 44.58"	W081° 30' 52.94"	0+63.7	89.3 LT
54	METER POST	1186075.0	489456.6	N027° 35' 44.59"	W081° 30' 52.97"	0+63.8	92.2 LT

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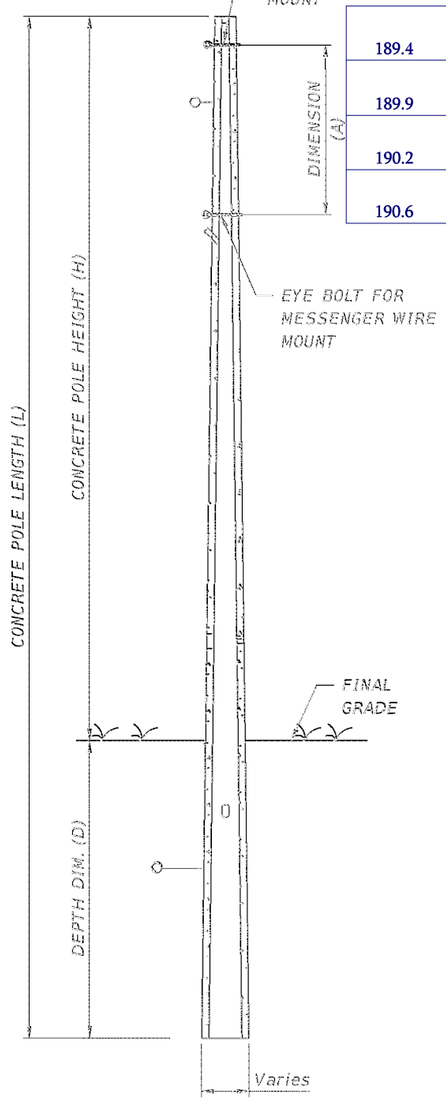
AS-BUILT SURVEY

PROJECT NUMBER	SP-2764-02
FIELD SURVEY COMPLETION DATE	09-22-2019
FIELD CREW	RHW4, DK
DRAFTSPERSON	RHW4
DATE OF DRAWING	09-24-2019
DRAWING SCALE	-VARIES-
SURVEY EDITION	FIRST RELEASE

SURVEY SHEET

MESSAGE WIRE ELEVATION	TOP OF POLE ELEVATION	ID NO.	SHEET NO.	POLE LOCATION STATION	POLE LOCATION OFFSET	FINAL GRADE ELEVATION	CROWN ELEVATION LOCATION	CROWN ELEVATION ELEVATION	POLE TYPE	POLE LENGTH (L)	POLE HEIGHT (H)	DEPTH DIMENSION (D)	DIMENSION (A)	PAY ITEM NUMBER	QUANTITY
189.4	198.6	~~POLE 1-1~~ POLE 1-1	T-5	0+63.30	71.09' LT	164.02	POLE 1-1 TO 1-2	165.29	P-VIII	50.0'	34'-0"	16'-0"	8'-4"	641-2-18	1
189.9	199.2	~~POLE 1-2~~ POLE 1-2	T-5	0+72.55	73.84' RT	164.33	POLE 1-2 TO 1-3	164.82	P-VIII	50.0'	34'-0"	16'-0"	8'-4"	641-2-18	1
190.2	199.4	~~POLE 1-3~~ POLE 1-3	T-5	3568+74.91	56.17' RT	164.98	POLE 1-3 TO 1-4	165.38	P-VIII	50.0'	34'-0"	16'-0"	8'-4"	641-2-18	1
190.6	199.8	~~POLE 1-4~~ POLE 1-4	T-5	3568+52.18	79.68' RT	164.70	POLE 1-4 TO 1-1	164.86	P-VIII	50.0'	35'-0"	15'-0"	8'-4"	641-2-18	1

* TOP OF FOUNDATION AT POLE 1-4 TO BE AT ELEVATION 163.70 (ONE FOOT BELOW ELEVATION OF PROPOSED SIDEWALK)



CONCRETE STRAIN POLE SECTION

SCHEDULE NOTES:

1. CATENARY AND MESSENGER WIRES TO BE 7/16" DIA. UTILITY GRADE.

2. DESIGN WIND SPEED: 120 MPH.

3. FOUNDATION DESIGN BASED ON PROFESSIONAL SERVICE INDUSTRIES, INC. SOIL PROPERTIES:
   SATURATED UNIT WT.: 42.6 PCF
   ANGLE OF INTERNAL FRICTION: 29°
   COHESION: 0 PSF

4. FOR ADDITIONAL NOTES AND DETAILS NOT SHOWN ON THIS SHEET, REFER TO INDEX NO. 17725 AND INDEX NO. 17727.

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Web: www.WhislerPA.Com
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SURVEY PROJECT NUMBER: SP-2764-02
FIELD COMPLETTION DATE: 09-22-2019

AS-BUILT SURVEY

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SURVEY SHEET 6 OF 6

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SYBILLE BAYARD
P.E. NO.: 56038
INFRASTRUCTURE ENGINEERS, INC.
2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103
JACKSONVILLE, FLORIDA 32246
CERTIFICATE OF AUTHORIZATION NO. 6976

DRAWN BY: JJP 10-17
CHECKED BY: SB 10-17
DESIGNED BY: YRA 10-17
CHECKED BY: SB 10-17

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	HIGHLANDS	434986-1-52-01

SHEET TITLE: STRAIN POLE SCHEDULE

PROJECT NAME: US 27 AT SR 64

REF. DWG. NO.

SHEET NO. T-9