

LAKE COUNTY, FLORIDA



DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
350 N. SINCLAIR AVE.
TAVARES, FLORIDA 32778

FINANCIAL PROJECT ID 443511-1-58-01
F. A. NO.

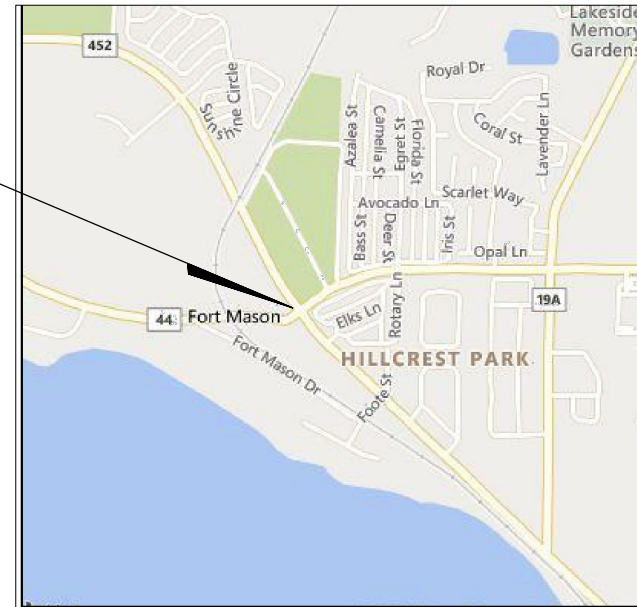
INDEX OF SIGNALIZATION PLANS

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T-11	SOIL BORINGS REPORT (TO BE INCLUDED AT 90%)

SIGNALIZATION PLANS

CR 452 AND CR 44

PROJECT LOCATION



wo: 37830712
DATE: 2/26/2021
REV3
Gonzalo A. Guillen
Engineer II (E.I.) | Major Projects - Central
GGUILL1@DUKE-ENERGY.COM
Office: 407-464-1281 Cell: 407-280-3465

SIGNALIZATION SHOP DRAWINGS
TO BE SUBMITTED TO:
CHRIS J. WALSH, PE No. 57626
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778

PLANS PREPARED BY:
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778

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

SUBMITTAL: 60%
DATE: SEPTEMBER 2020

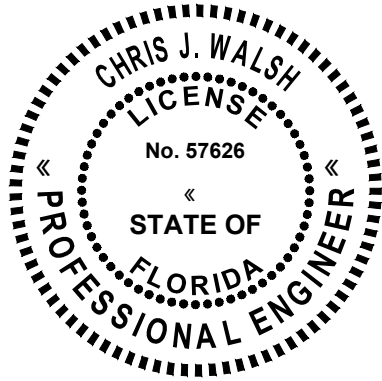
SIGNALIZATION PLANS
ENGINEER OF RECORD: CHRIS J. WALSH, P.E.

P.E. NO.: 57626

SHEET
NO.

T-1

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



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TRAFFIC ENGINEERING DATA SOLUTIONS, INC.
80 SPRING VISTA DRIVE
DEBARY, FLORIDA 32713
CHRIS J. WALSH, P.E. NO: 57626

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- T-1 KEY SHEET
- T-2 SIGNATURE SHEET
- T-3 TABULATION OF QUANTITIES
- T-4 GENERAL NOTES
- T-5 SIGNALIZATION PLAN
- T-6 - T-7 SIGNAL DETAILS
- T-8 GUIDE SIGN WORKSHEET

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- T-2 SIGNATURE SHEET
- T-101 SOIL BORING REPORT

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- T-2 SIGNATURE SHEET
- T-10 STRAIN POLE SCHEDULE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

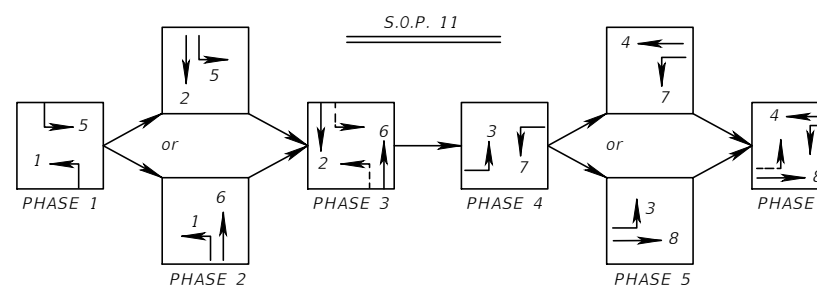
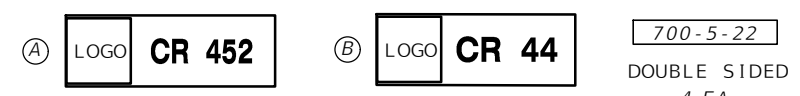
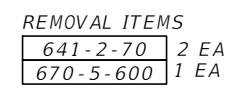
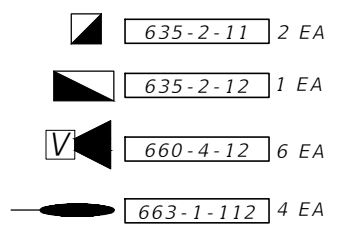
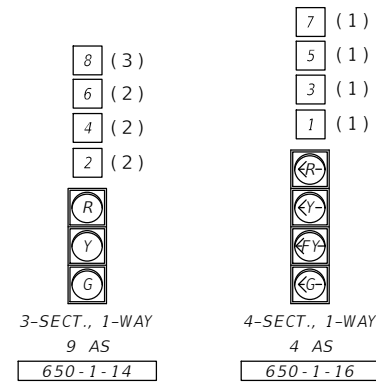
CHRIS J. WALSH, P.E. PE No. 57626
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CERTIFICATION OF AUTHORIZATION # 27392

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
350 N. SINCLAIR AVE.
TAVARES, FLORIDA 32778

SIGNATURE SHEET

SHEET NO.
T-2

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DETECTION ASSIGNMENTS		
DETECTION	DETECTION ZONE	DELAY TIME (SEC)
D1	DZ5	5
	DZ6	
D2	DZ3	5
	DZ8	
D3	DZ1	5
	DZ2	
D4	DZ7	5
	DZ4	

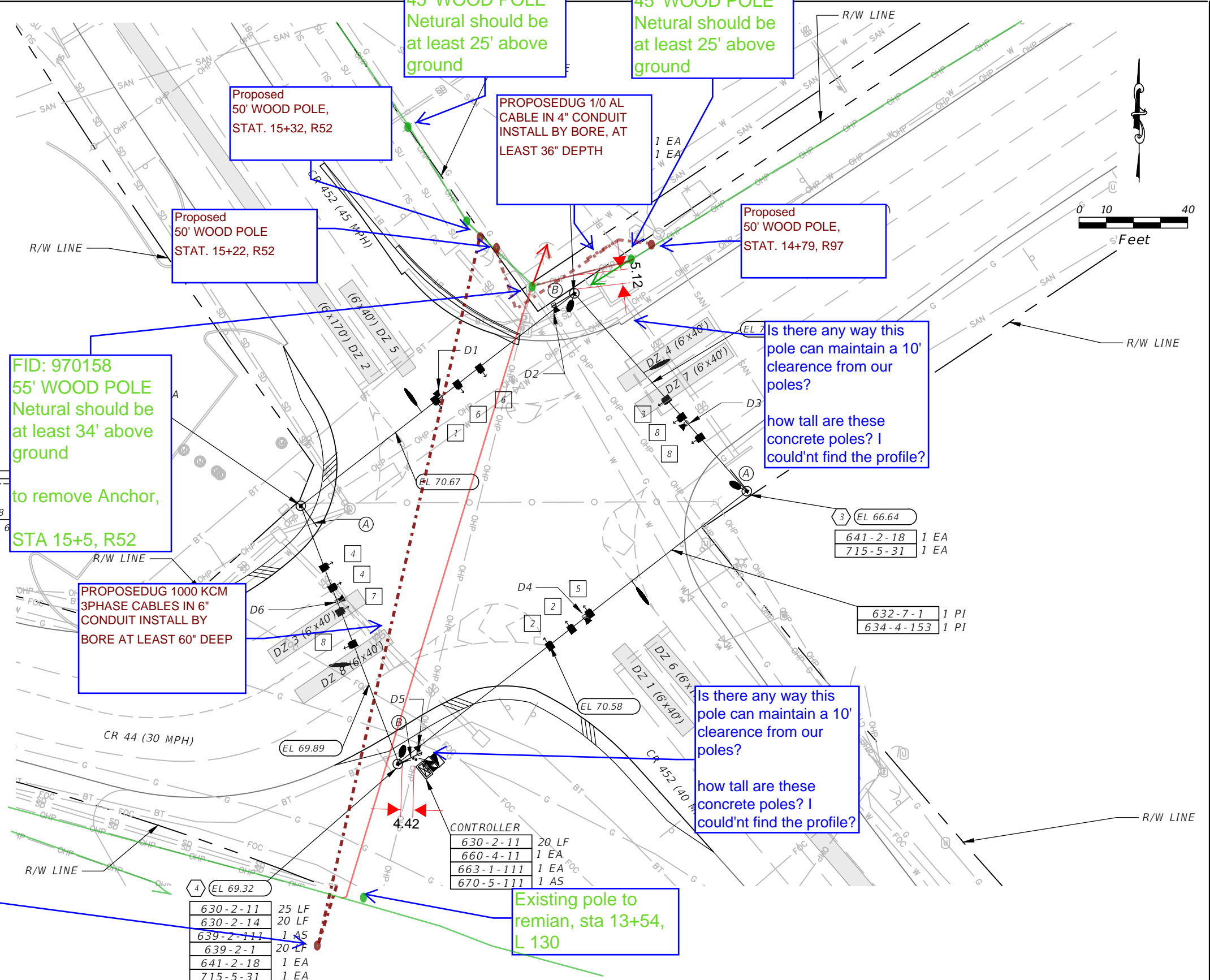
- NOTES:
1. MAJOR ROAD: CR 452
MINOR ROAD: CR 44
 2. FLASHING MODE: YELLOW - MOVEMENT 2 & 6
RED - MOVEMENTS 1, 3, 4, 5, 7 & 8
 3. CONTROLLER TIMINGS AND PHASING

Proposed
50' WOOD POLE,
STA. 13+76, L144

- 630-2-11 25 LF
- 630-2-14 20 LF
- 639-2-111 1 AS
- 639-2-1 20 LF
- 641-2-18 1 EA
- 715-5-31 1 EA

- CONTROLLER
- 630-2-11 20 LF
 - 660-4-11 1 EA
 - 663-1-111 1 EA
 - 670-5-111 1 AS

Existing pole to
remain, sta 13+54,
L 130



REVISIONS			
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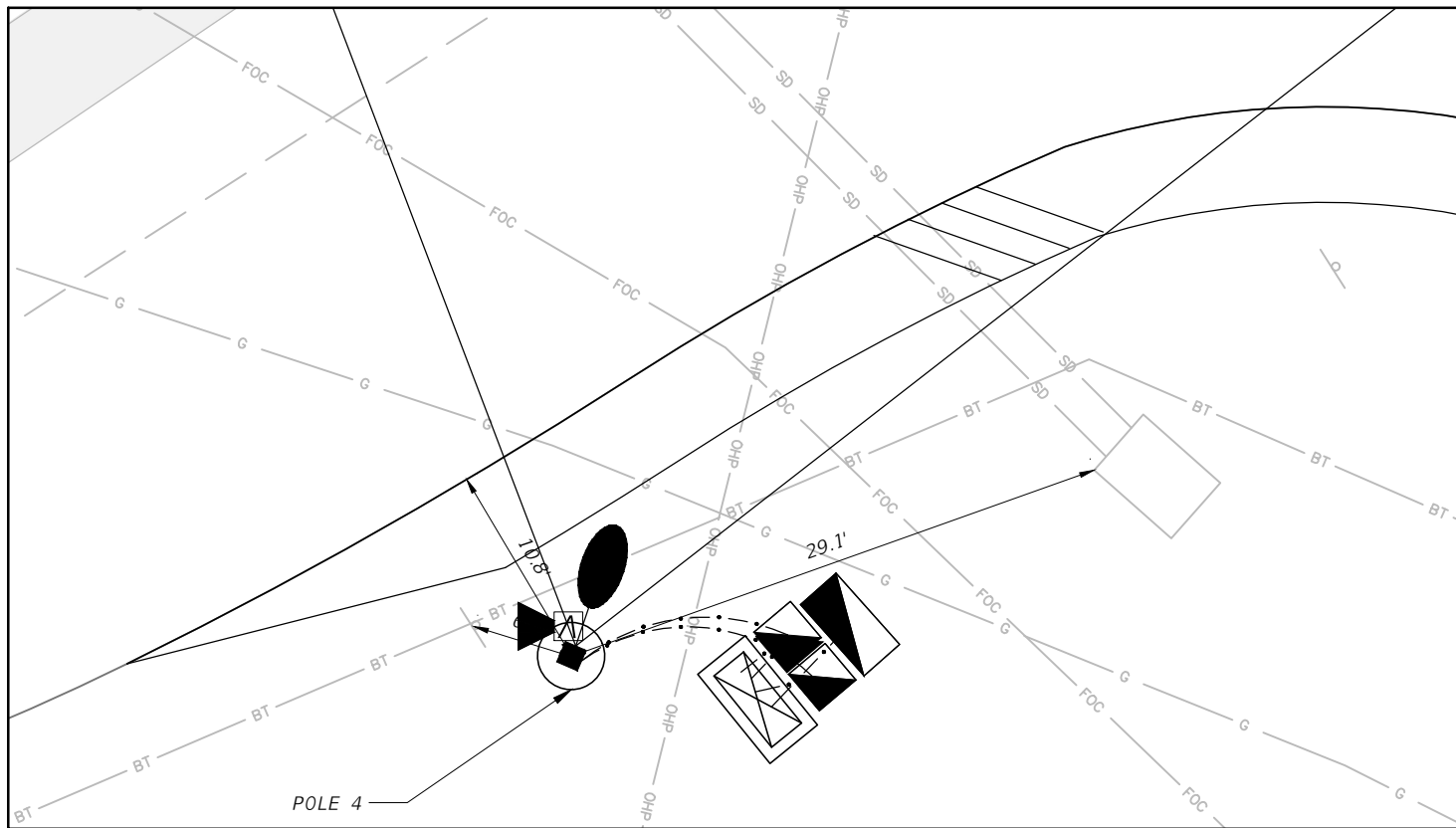
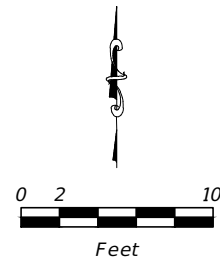
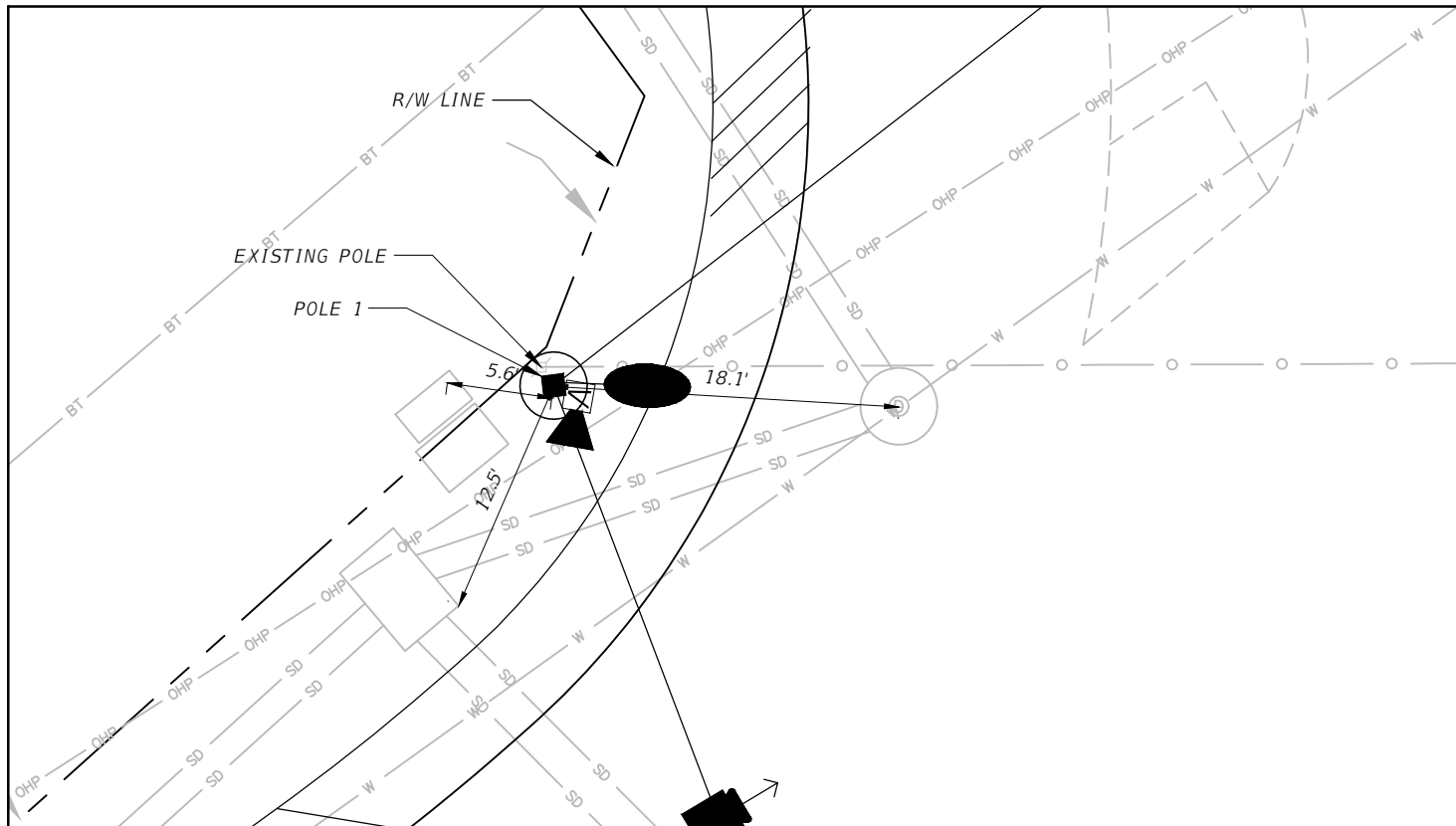
ALDS
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SIGNALIZATION PLAN

SHEET NO.
T-5



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

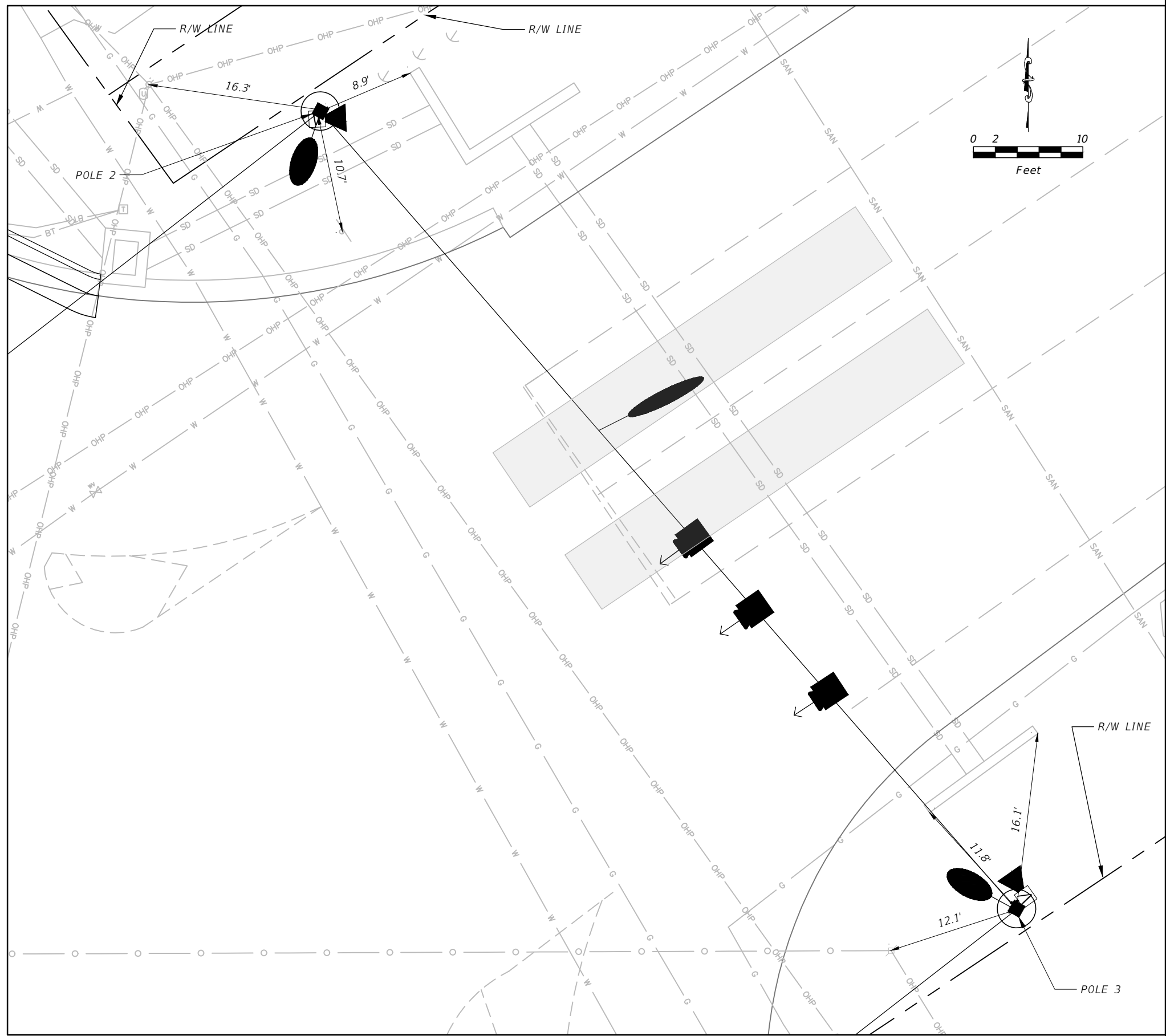
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SIGNAL DETAILS

SHEET NO.
 T-6



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

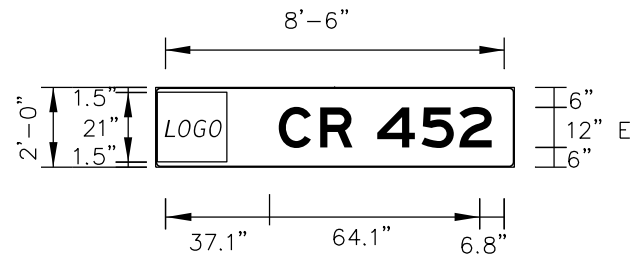
FLDS
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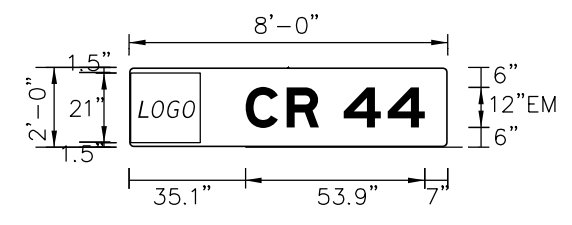
SIGNAL DETAILS

SHEET NO.
 T-7

SIGN NAME A		QTY	SIGN NUMBER	STATION(S)	
PANEL		BORDER		none	
WIDTH	9'-0"	WIDTH	0.5"		
HEIGHT	2'-0"	RADII	1.5"		
LEGEND	WHITE	COLOR	WHITE		
COLOR		WHITE			
SYMBOL(S)	ANGLE	X	Y	WID	HT
LOGO	0	6.8	1.5	21	21
SIGN NUMBER		CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	




SIGN NAME B		QTY	SIGN NUMBER	STATION(S)	
PANEL		BORDER		none	
WIDTH	8'-0"	WIDTH	0.5"		
HEIGHT	2'-0"	RADII	1.5"		
LEGEND	WHITE	COLOR	White		
COLOR		Green			
SYMBOL(S)	ANGLE	X	Y	WID	HT
	0	0.5	1.3	21	21
SIGN NUMBER		CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	
COPY		C	R	4	5	2		L	
SPACE	37.1	12.5	9.7	7.5	13.3	11.4	9.7	6.8	64.1
COPY									
SPACE									
COPY									
SPACE									
COPY									
SPACE									
COPY									
SPACE									
COPY									
SPACE									
COPY									
SPACE									

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


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GUIDE SIGN WORKSHEET

CONSTRUCTION NOTES:

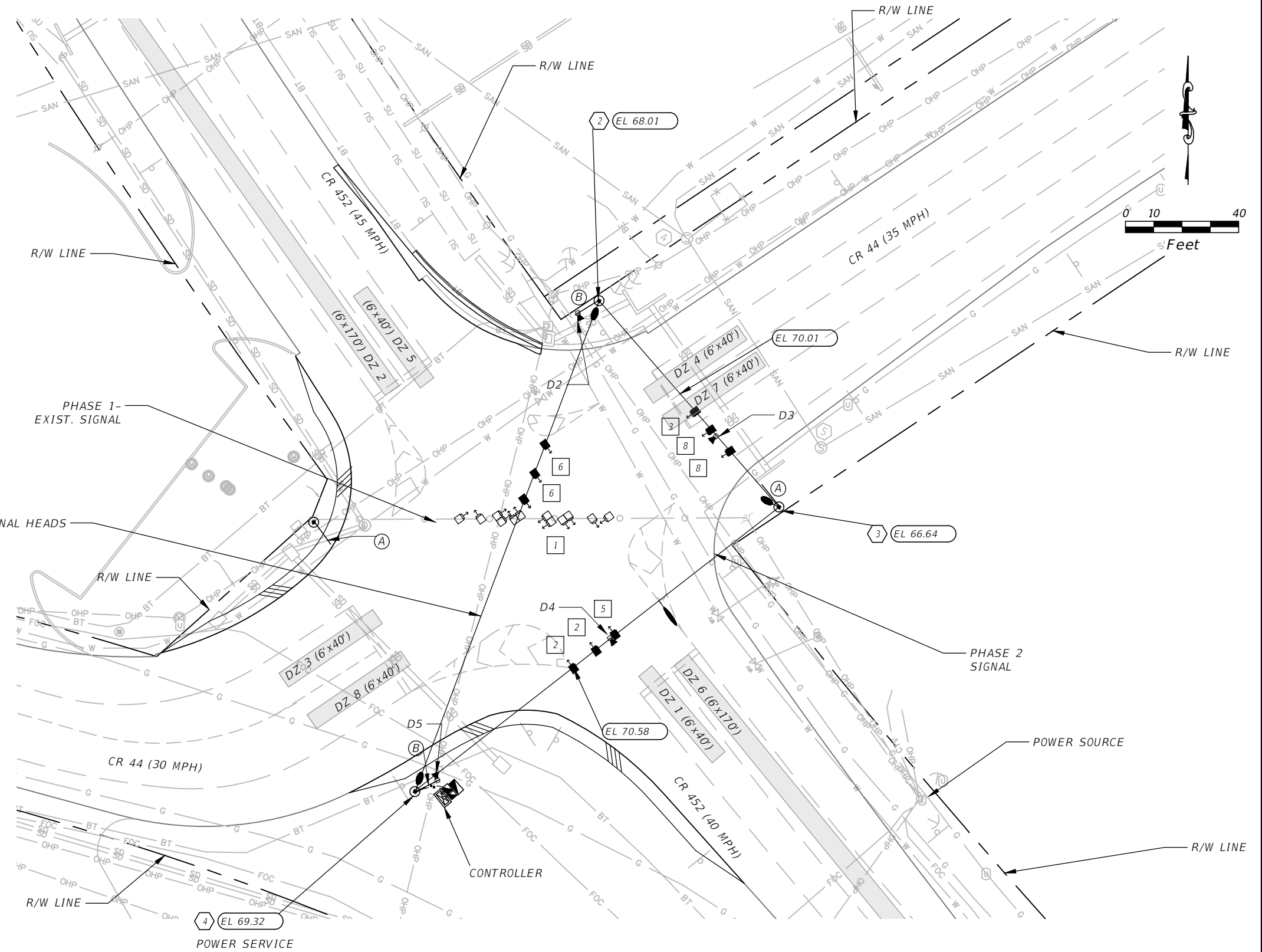
PHASE 1:


1. USE EXISTING SIGNAL SPAN AND HEADS AND CONTROLLER.
2. INSTALL NEW POLES 2, 3, AND 4 WITH PROPOSED SPAN WIRE AND SIGNAL HEADS AND TEMPORARY SPAN WITH TEMPORARY SIGNAL HEADS.
3. INSTALL NEW CONTROLLER.

PHASE 2:

1. REMOVE EXISTING SIGNAL AND CONTROLLER.
2. INSTALL POLE 1 AND COMPLETE PROPOSED SPAN AND SIGNAL HEADS FOR MOVEMENTS 1, 6, 4 AND 7.
3. REMOVE TEMPORARY SPAN AND SIGNAL HEADS.

TEMPORARY SPAN AND SIGNAL HEADS
102-104 1 ED



REVISIONS		REVISIONS		 <p>CHRIS J. WALSH P.E. PE No. 57626 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATE OF AUTHORIZATION # 27392</p>	 <p>DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION 350 N. SINCLAIR AVE. TAVERES, FLORIDA 32778</p>	<p>TEMPORARY SIGNAL</p>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				T-9