

FOR:

GAINESVILLE, FLORIDA

SECTION 32, TOWNSHIP 09 SOUTH, RANGE 20 EAST

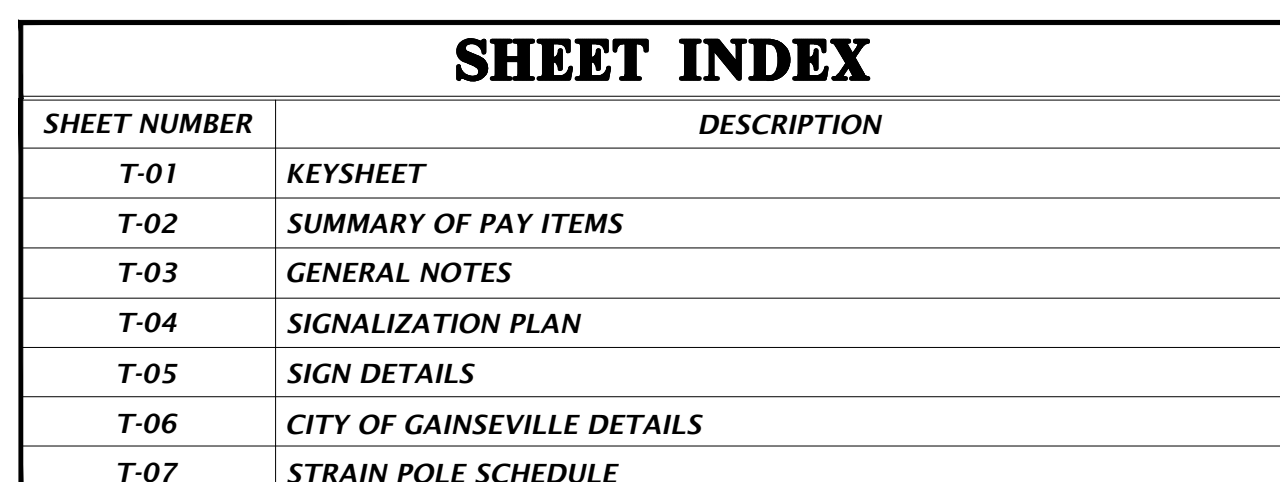
**SUBMITTED TO:
ALACHUA COUNTY
CITY OF GAINESVILLE**

CIVIL ENGINEER

BRIAN SNYDER, P.E.
CHW
11801 RESEARCH DRIVE
ALACHUA, FLORIDA 32615
(352) 331-1976
brians@chw-inc.com

CLIENT

JBROWN PROFESSIONAL GROUP
3530 NW 43RD STREET
GAINESVILLE, FLORIDA 32606
(352) 375-8999
jay.brown@jbprogroup.com



GRU NOTIFICATIONS

1. NOTIFY GRU WASTEWATER ENGINEERING 48 HOURS PRIOR TO CONSTRUCTION AT 352-393-1633; IF PROPER NOTIFICATION IS NOT MADE, CONTRACTOR IS SUBJECT TO STOP WORK ORDER.

2. NOTIFY GRU ELECTRIC INSPECTIONS 48 HOURS PRIOR TO CONSTRUCTION AT 352-339-0430; IF PROPER NOTIFICATION IS NOT MADE, CONTRACTOR IS SUBJECT TO BE SHUT DOWN.

[illegible]

tech: bethtd Plot Date: May 15, 2019 5:00pm Filename: N:\2018\18-0143\Engineering\DWGs\Production Files\T-1 Key Sheet.dwg

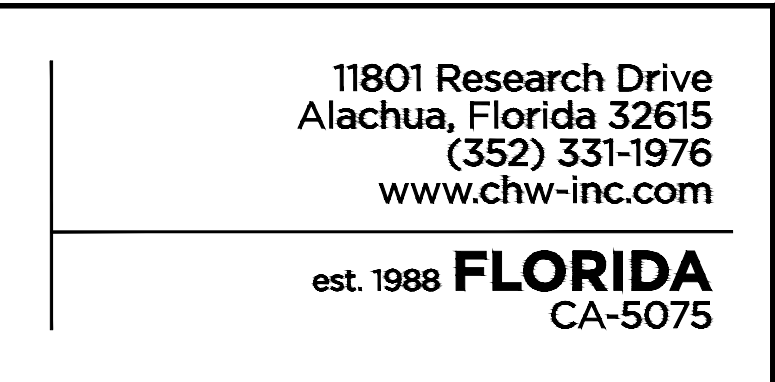
<p>PRELIMINARY</p> <p>NOT FOR</p> <p>CONSTRUCTION</p> <p>THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF REVIEW ONLY AND IS NOT INTENDED FOR FINAL PERMITTINGS, BIDDING, OR CONSTRUCTION PURPOSES.</p>	PROJECT ENGINEER:		BRIAN R. SNYDER, P.E. FL. REG. NO. 74607	
	PROJECT MNGR:		BRS	DESIGN TECH: BAD
	PROJECT NO.:		338-18-06	
	DRAWING DATE:		NOVEMBER 2018	
DRAWING SCALE:		PRINTED 24"36" N/A PRINTED 11"17" N/A		

BRIAN R. SNYDER
 Brian Richard Snyder
 State of Florida
 Professional Engineer, License
 No. 74607

This item has been digitally
 signed and sealed by Brian
 Richard Snyder, PE, on the
 date indicated here.

Printed copies of this document
 are not considered signed and
 sealed and the signature must
 be verified on any electronic
 copies.

FL PE No. 74607



SHEET TITLE:	
SUMMARY OF PAY ITEMS	
CLIENT:	PROJECT:
ALACHUA COUNTY PUBLIC WORKS DEPT.	NW 16 TH AVENUE RESURFACING

SHEET NO:

T-02

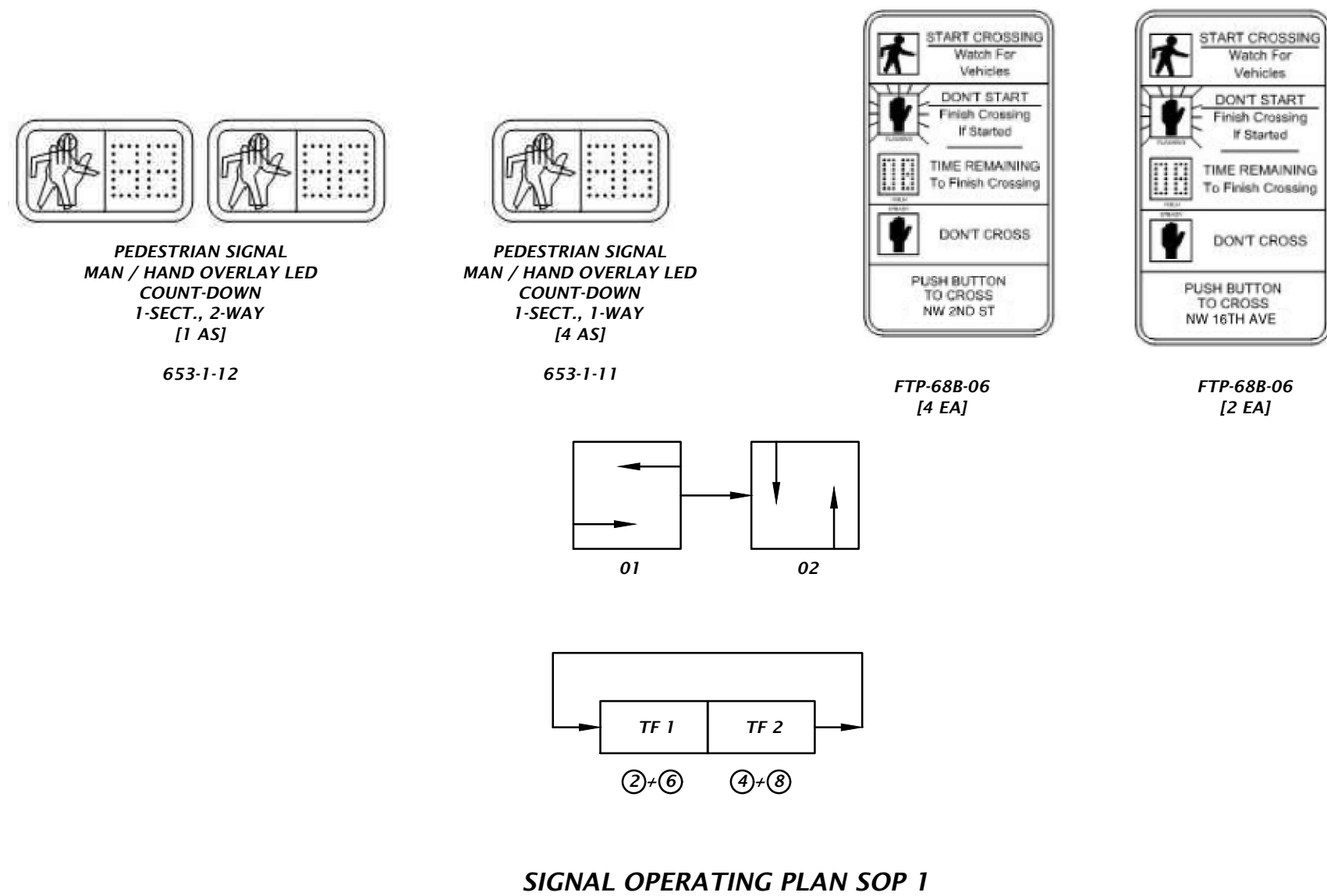
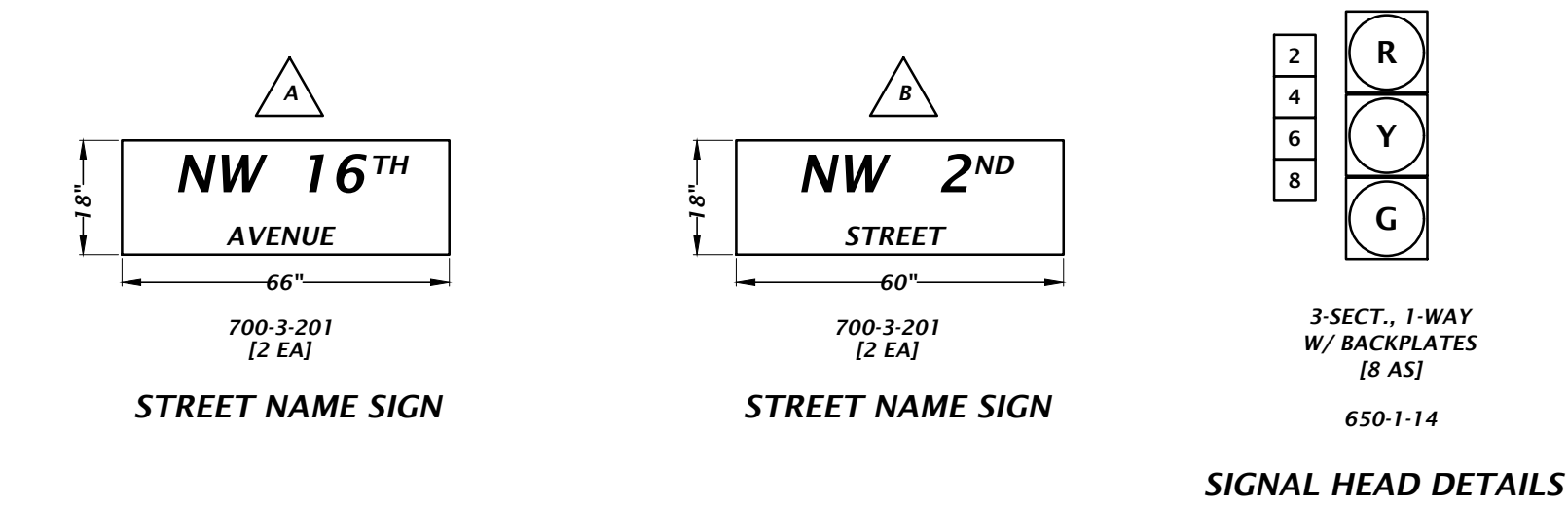
Tech: bathtd Plot Date: Mar 12, 2019 9:12am Filename: N:\2018\18-0143\Engineering\DWGs\Production Files\T-3 General Notes.dwg

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CLIENT:

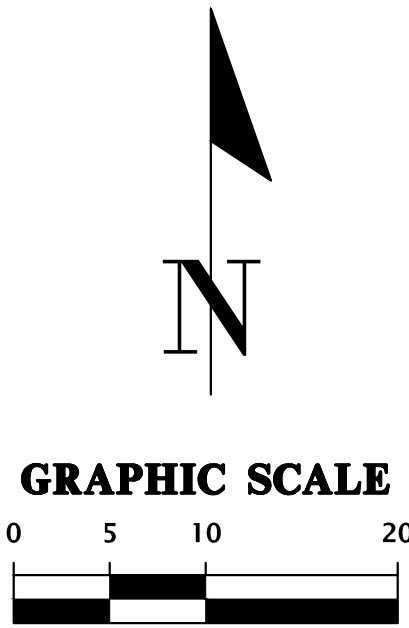
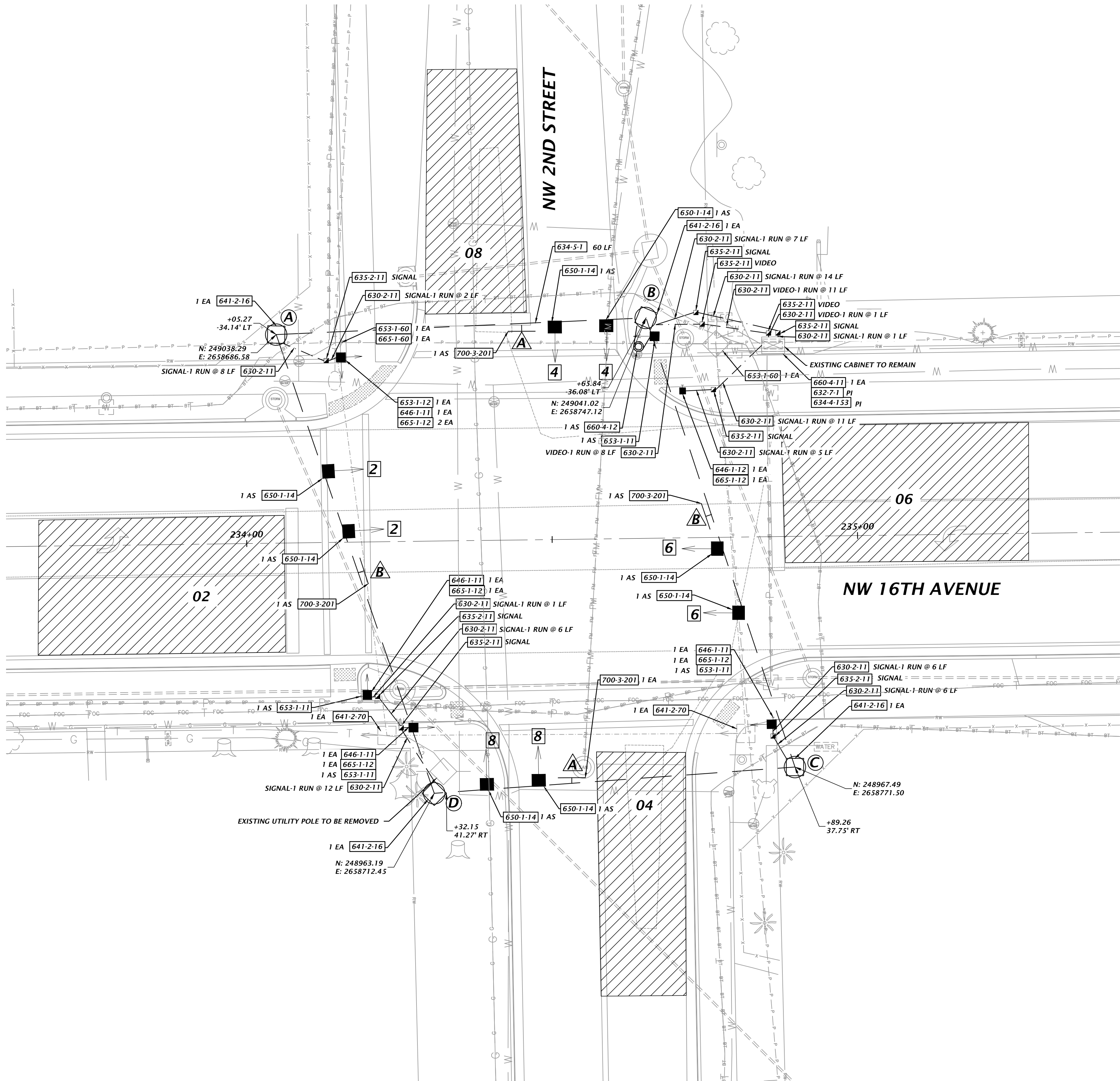
1



NOTES:

- MAJOR STREET IS NW 16TH AVENUE AND MINOR STREET IS NW 2ND STREET.
- POSTED SPEED LIMIT ALONG NW 16TH AVENUE IS 35 MPH. POSTED SPEED LIMIT ALONG NW 2ND STREET IS 30 MPH.
- ALL CONTROL EQUIPMENT TO BE COMPATIBLE WITH EXISTING CITY OF GAINESVILLE SYSTEM. CONTRACTOR SHALL COORDINATE WITH CITY OF GAINESVILLE TRAFFIC DIVISION PRIOR TO ORDERING EQUIPMENT.
- PRIOR TO INSTALLATION OF STRAIN POLES, CONTRACTOR SHALL COORDINATE WITH GAINESVILLE REGIONAL UTILITIES WITH RESPECT TO MAINTAINING MINIMUM CLEARANCE BETWEEN ENERGIZED CONDUCTORS AND POLES / ARMS. EXISTING POLES MUST BE PROTECTED DURING DEMOLITION.
- CONTRACTOR SHALL FIELD VERIFY ALL STRAIN POLE LOCATION ELEVATIONS PRIOR TO ORDERING ANY POLES.
- WHERE BASE LOCATIONS OF SIGNAL STRAIN POLES ARE CLOSE TO EXISTING UTILITIES. CONTRACTOR SHALL HAND DIG THE FIRST FOUR (4) FEET TO CONFIRM CLEARANCE. POLE LOCATIONS MAY NEED MINOR ADJUSTMENTS. ANY ADJUSTMENTS MUST BE APPROVED BY THE ENGINEER.
- UTILITIES SHOULD BE LOCATED (SOFT DIGS) PRIOR TO ORDERING STRAIN POLES TO ENSURE THE PROPOSED LOCATIONS HAVE NO CONFLICTS.
- PAY ITEM NUMBERS INCLUDED FOR REFERENCE ONLY.
- PAY ITEM 660-4-12 SHALL BE A GRIDSMART CAMERA TO BE COMPATIBLE WITH EXISTING CITY OF GAINESVILLE SYSTEM.
- 48 HOURS PRIOR TO DIGGING, CONTRACTOR TO CONTACT WESLEY LESTER, GRU GAS SUPERVISOR, AT (352) 538-2570.

CONTROLLER TIMING CHART					
MOVEMENT NUMBER		2	4	6	8
TIMING FUNCTION	MINIMUM GREEN	15	6	15	6
	EXTENSION	3.5	3	3.5	3
	MAXIMUM GREEN 1	45	35	45	35
	MAXIMUM GREEN 2	-	-	-	-
	YELLOW	4	3.7	4	3.7
	RED CLEARANCE	2	2	2	2
	RECALL	MAX P	NON	MAX P	NON
	PEDESTRIAN WALK	7	7	7	7
PEDESTRIAN CLEARANCE		10	11	10	11



REVISIONS			
NO.	DATE	DESCRIPTION	DRWN/ APPR

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PROJECT ENGINEER:	BRIAN R. SNYDER, P.E. FL. REG. NO. 74607
PROJECT MNGR:	BRS DESIGN TECH: BAD
PROJECT NO.:	338-18-06
DRAWING DATE:	NOVEMBER 2018
DRAWING SCALE:	PRINTED 24"x36" 1"=10' PRINTED 11"x17" 1"=20'

BRIAN R. SNYDER

Brian Richard Snyder
State of Florida
Professional Engineer, License
No. 74607

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Richard Snyder, P.E., on the
date indicated here.

FL PE No. 74607



11801 Research Drive
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com

est. 1988 **FLORIDA**
CA-5075

SHEET TITLE:

SIGNALIZATION PLANS

CLIENT:

ALACHUA COUNTY
PUBLIC WORKS DEPT.

PROJECT:

NW 16TH AVENUE
RESURFACING

SHEET NO:

T-04

SIGN DETAIL



Panel Style: Street name 8-6ln.ssi
M.U.T.C.D., 2009 Edition

Panel Style: Street name 8-6in.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	D3-1a Num
WIDTH x HGHT.	5'-6" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible][illegible]

SIGN DETAIL



Panel Style: Street name 8-6ln.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Street name 8-6in.ssi
Dimensions are in inches.tenths

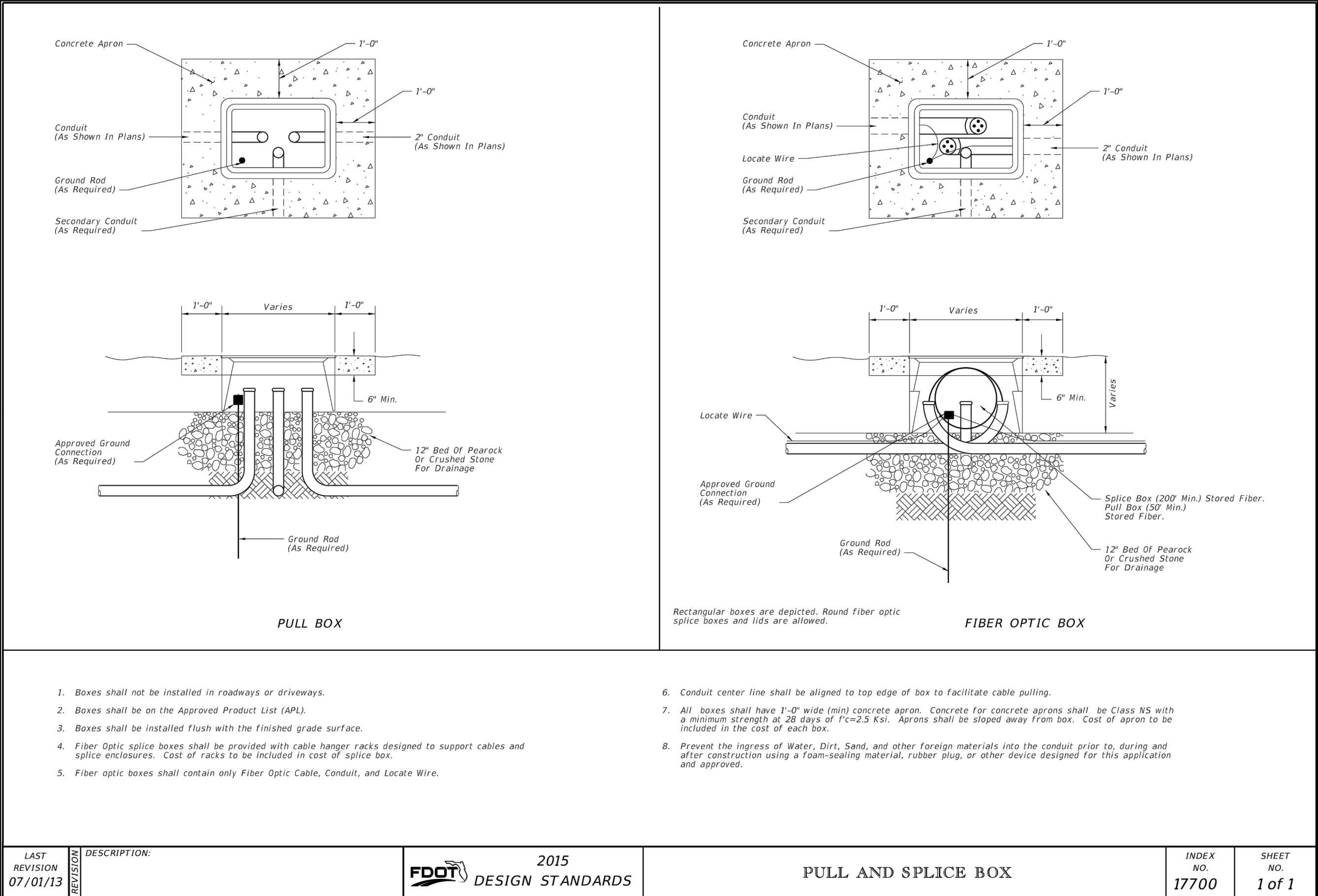
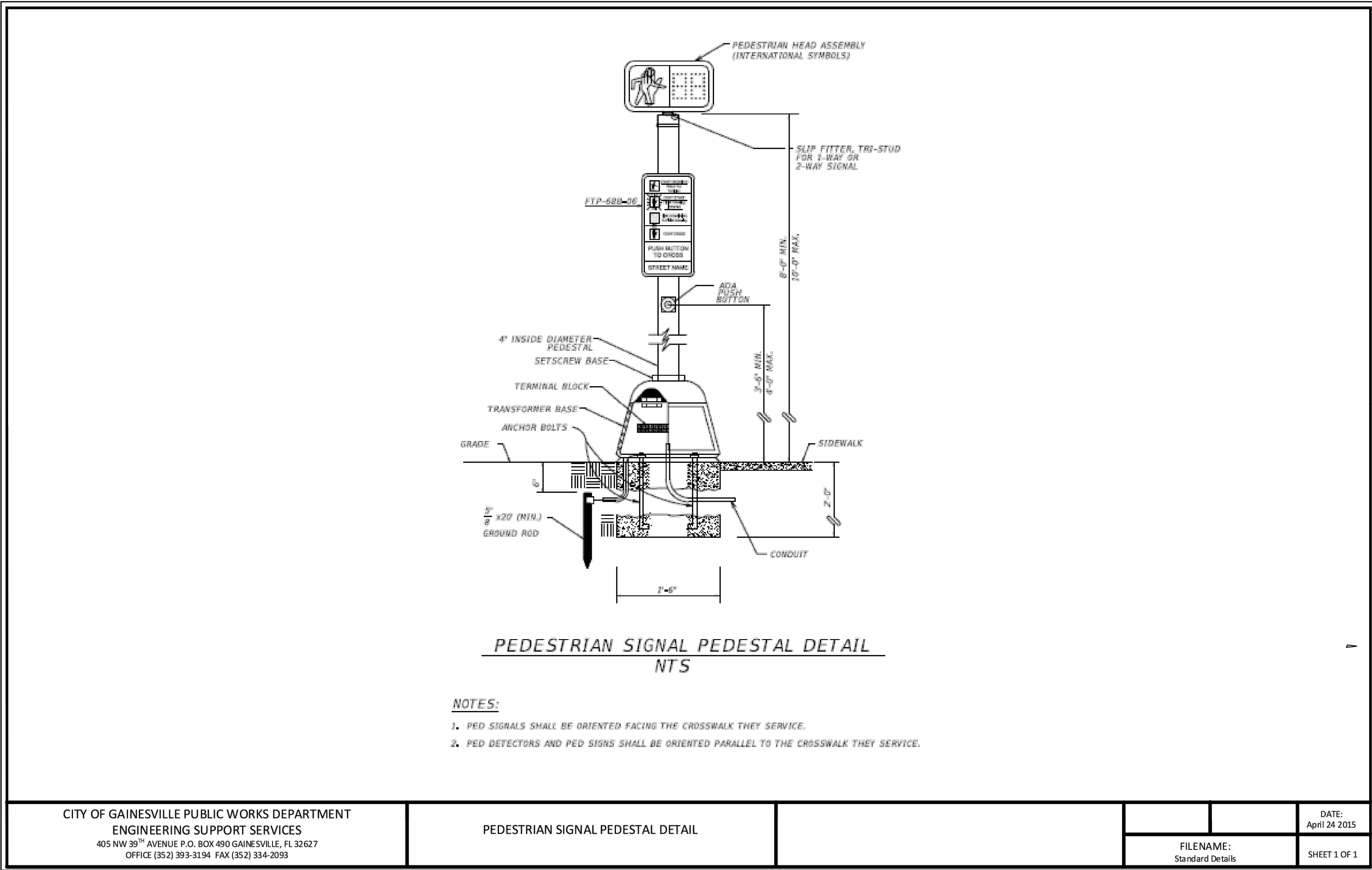
Letter locations are panel edge to lower left corner

SIGN NUMBER	D3-1a Num
WIDTH x HGHT.	5'-0" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

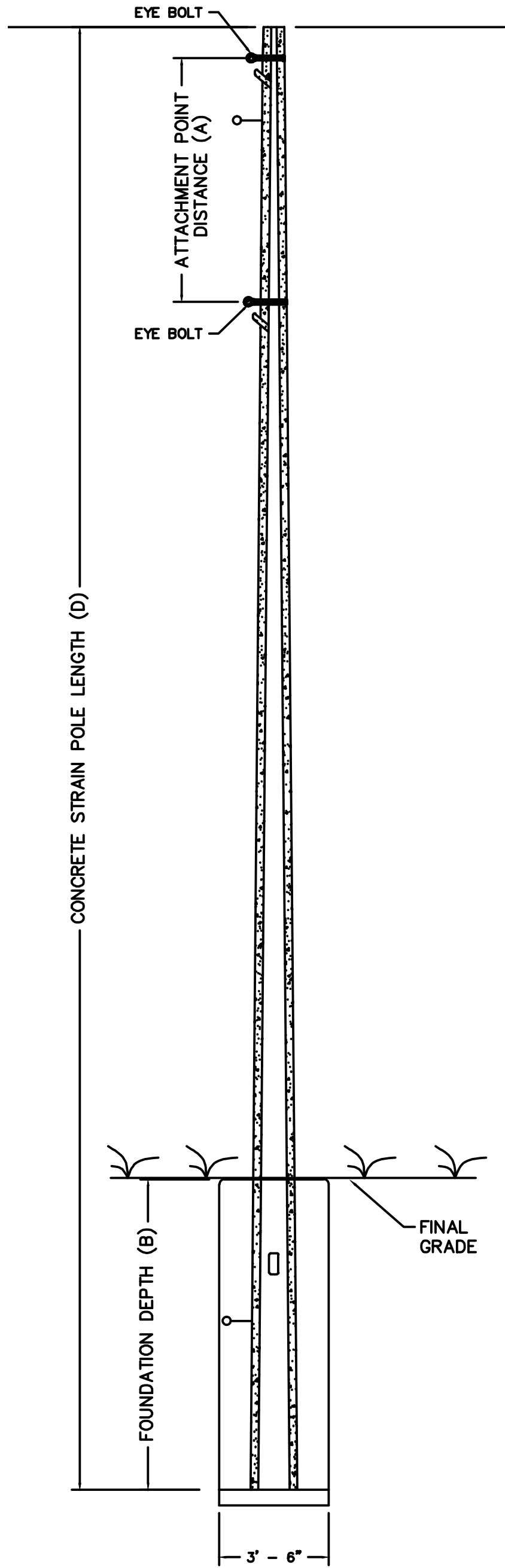
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REVISIONS					<div>PRELIMINARY NOT FOR CONSTRUCTION</div> <div>THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF REVIEW ONLY AND IS NOT INTENDED FOR FINAL PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.</div>	PROJECT ENGINEER:	BRIAN R. SNYDER, P.E., FL. REG. NO. 74607			<div>BRIAN R. SNYDER</div> <div><div><div><div>11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com</div><div>est. 1988 FLORIDA CA-S075</div></div></div><div><div><div>CHW</div><div>Professional Consultants</div></div></div></div> <div><div><div>11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com</div><div>est. 1988 FLORIDA CA-S075</div></div></div> <div>FL PE No. 74607</div>	SHEET TITLE:	SIGN DETAILS		SHEET NO: <div>T-05</div>	
NO.	DATE	DESCRIPTION	DRWN	APPR		PROJECT MGR:	BRS	DESIGN TECH:	BAD		CLIENT:	ALACHUA COUNTY PUBLIC WORKS DEPT.	PROJECT:		NW 16 TH AVENUE RESURFACING
						PROJECT NO.:	338-18-06								
						DRAWING DATE:	NOVEMBER 2018								
						DRAWING SCALE:	PRINTED 24"x36" N/A PRINTED 11"x17" N/A								

Revised: 07/01/13
Plot Date: May 12, 2019 8:15am
Filename: N:\2018\18-0143\Engineering\Drawings\Production\Sheet-T-6 Cog Details.dwg



REVISIONS					PRELIMINARY NOT FOR CONSTRUCTION	THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF REVIEW ONLY AND IS NOT INTENDED FOR FINAL PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.	PROJECT ENGINEER:		PROJECT MNGR:		BRIAN R. SNYDER Brian Richard Snyder State of Florida Professional Engineer, License No. 74607 This item has been digitally signed and sealed by Brian Richard Snyder, PE, on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. FL PE No. 74607	CHW Professional Consultants	11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com		SHEET TITLE:		CITY OF GAINESVILLE DETAILS	CLIENT:	PROJECT:		SHEET NO: T-06					
NO.	DATE	DESCRIPTION	DRWN	APPR			BRS	DESIGN TECH:	BAD	PROJECT NO.:			FLORIDA CA-5075	ALACHUA COUNTY PUBLIC WORKS DEPT.	NW 16 TH AVENUE RESURFACING											

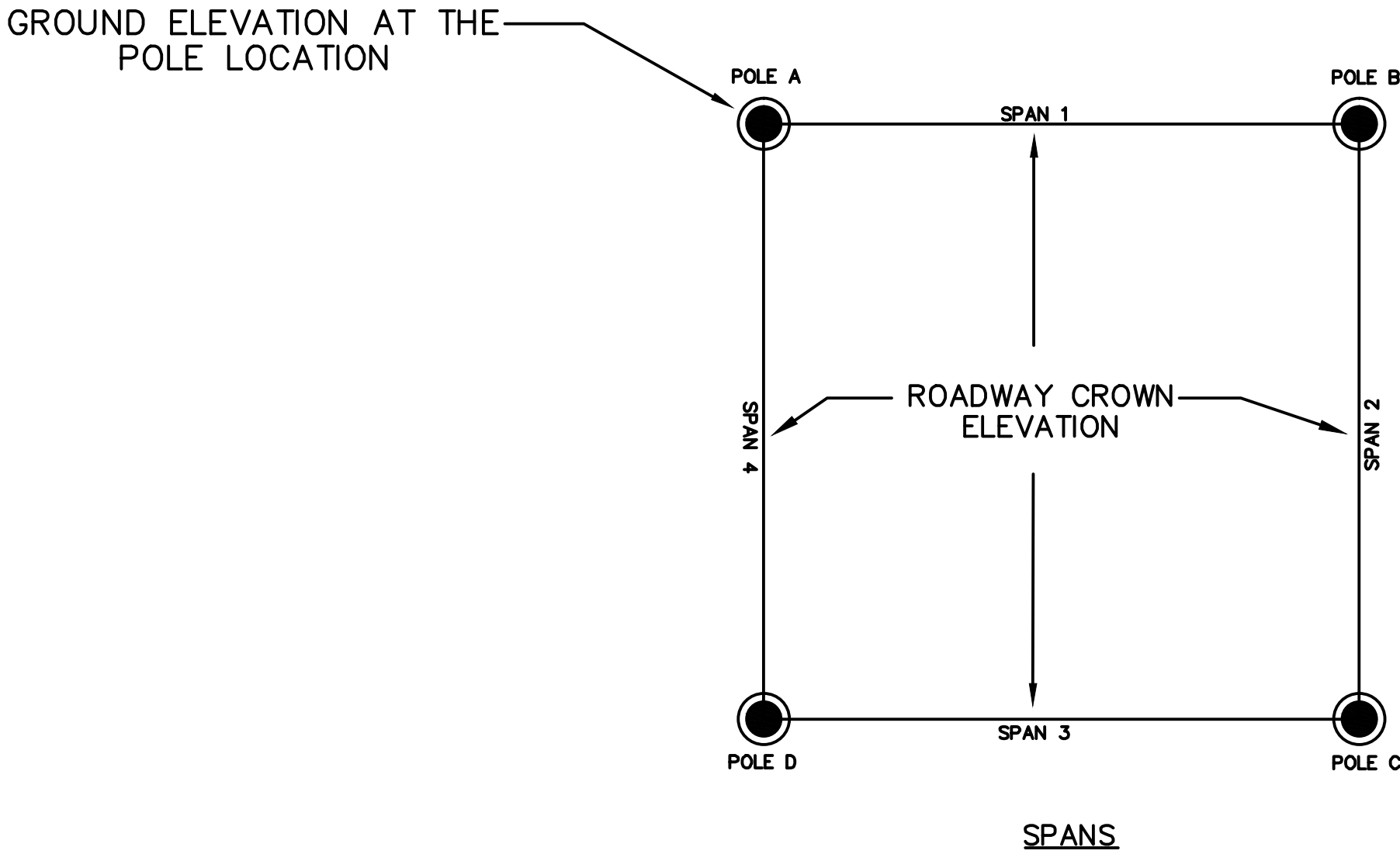


CONCRETE STRAIN
POLE SECTION

TYPES P-III THROUGH P-VIII
REFER TO INDEX 17725
FOR OTHER SPECIFICATIONS

ID NO.	SHEET NO.	POLE LOCATION		FINAL GRADE ELEVATION	CROWN ELEVATION	POLE TYPE	POLE LENGTH (D)	FOUNDATION DEPTH (B)	ATTACHMENT POINT DIST. (A)	CATENARY WIRE DIA.(IN.) GRADE	EFFECTIVE SOIL UNIT WT.(PCF)	ANGLE OF INTERNAL FRICTION (DEG.)	COHESION (PSF)	PAY ITEM NUMBER
		STATION	OFFSET											
A	T-04	234+05.27	-34.14' LT	184.59	184.01	P-VI	50'	21'	4.18'	3/8"	39.6	26	0	641-2-18
B	T-04	234+65.84	-36.08' LT	183.61	184.26	P-VI	43'	13'			44.6	28	0	641-2-18
C	T-04	234+89.26	37.75'RT	184.05	184.21	P-VI	42'	13'			44.6	28	0	641-2-18
D	T-04	234+29.97	41.35'RT	185.10	184.45	P-VI	41'	13'			44.6	28	0	641-2-18

- NOTES:
- FOR ADDITIONAL DETAILS NOT SHOWN ON THIS SHEET, REFER TO STANDARD INDEX 17725
 - DESIGN WIND SPEED: 120 MPH,IN ACCORDANCE WITH THE JANUARY 2019 FDOT STRUCTURES MANUAL.
 - THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT FROM GSE ENGINEERING AND CONSULTING DATED AUGUST 28, 2018.



SHEET NO.	POLE	STRUC. ID NO.	CRIT. ELEV. DIF.	CONCRETE OR STEEL	COLOR IF STEEL	SPAN	SPAN LENGTH	BACK-PLATES (Y/N)	SIGNAL DATA DISTANCE FROM POLE (FT)/NUMBER OF SECTIONS														SIGN DATA DISTANCE FROM POLE(*)/HEIGHT & WIDTH (* ENTER POLE NO. AS INDICATED ABOVE IF ATTACHED TO POLE)									
									DIST.	SEC.	DIST.	SEC.	DIST.	SEC.	DIST.	SEC.	DIST.	SEC.	DIST.	SEC.	DIST.	SEC.	DIST.	SEC.	DIST.	HT.	WIDTH	DIST.	HT.	WIDTH	DIST.	HT.
	A			CONCRETE		1	60.56	Y	45	3	54	3												40	1.5'	5.5'						
	B					2	77.45	Y	40	3	51	3											34	1.5'	5'							
	B			CONCRETE																												
	C																															
	C			CONCRETE		3	59.21	Y	42	3	50	3												37	1.5'	5.5'						
	D					4	79.42	Y	45	3	56	3											38	1.5'	5'							
	D			CONCRETE																												
	A																															

REVISIONS							<div><div>Brian Richard Snyder State of Florida Professional Engineer, License No. 74607</div><div>This item has been digitally signed and sealed by Brian Richard Snyder, PE, on the date indicated here.</div><div>Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.</div></div>	RAD THUE P.E. 32071 ERING & CONSULTING, INC. V. 64TH STREET, SUITE B SVILLE, FLORIDA 32608 : OF AUTHORIZATION 27430	DRAWN BY: BG		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	BY	DESCRIPTION			CHECKED BY: AJ									
					DESIGNED BY: AJ	ROAD NO. NW 16TH AVE./ NW 2ND			COUNTY ALACHUA	FINANCIAL PROJECT ID	STRAIN POLE SCHEDULE	T-7		
					CHECKED BY: KLH									