



August 8, 2023

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
400 North Street
Harrisburg, PA 17120

Re: Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to alter the public at-grade crossing by the installation of new railroad warning devices and crossing surface, where State Road 0842 (Unionville-Wawaset Road) crosses the tracks of East Penn Railroad LLC., DOT Number 589 473 H, in Pocopson Township, Chester County ***all in accordance with the Federal Grade Crossing Program*** and the allocation of costs incident thereto.

Dear Secretary Chiavetta:

Enclosed for filing, please find the Application of the Department of Transportation.

A copy of this Application and Exhibits has been served upon the parties in the Certificate of Service to the Application.

Sincerely,

Abiyabebe(AA)

Abiy Abebe

District Grade Crossing Administrator 1
Engineering District 6-0
Department of Transportation

Attachments

cc: Parties of Record

Mark Chappell, P.E., Chief, Right-of-Way, Utilities, and Grade Crossing Division, 7th Floor, CKB

Karen L Cummings, Senior Counsel, Office of Chief Counsel, 9th Floor, CKB

William M. Sinick, P.E., Supervisor, Rail Safety Engineering Section PUC, 3rd Floor, CKB

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to alter the public at grade crossing by the installation of new warning devices and crossing surface, where State Road 0842 (Unionville-Wawaset Road) crosses the tracks of East Penn Railroad LLC, DOT Number 589 473 H, in Pocopson Township, Chester County *all in accordance with the Federal Grade Crossing Program Garde Crossing Program* and the allocation of cost incidental thereto.

Application
Docket No. _____

Electronically Filed

APPLICATION OF THE COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT
OF TRANSPORTATION

Applicant, Commonwealth of Pennsylvania, Department of Transportation, files this Application pursuant to the provisions of 66 Pa.C.S § 2702 and 52 Pa. Code § 5.13 for the alteration of the public at grade crossing where Center Street crosses tracks of East Penn Railroad, LLC, at DOT Number 589 473 H in Pocopson Township, Chester County as described below:

1. The name and address of Applicant are Commonwealth of Pennsylvania, Department of Transportation, Charles H. Davies, P.E., Assistant District Executive-Design, Engineering District 6-0, 7000 Geerdes Boulevard, King of Prussia, PA 19406-1525.

- 2 The name and address of attorney for the Applicant is Karen L. Cummings, Senior Counsel, Commonwealth of Pennsylvania, Department of Transportation, Office of Chief Counsel, PO Box 8212, Harrisburg, PA 17105-8212.
- 3 The Applicant is an agency of Commonwealth of Pennsylvania, organized and existing under the Administrative Code of 1929, 71 P.S. § 511, et seq. and generally 36 P.S. § 670- 401 et seq.
4. The names and addresses of the persons, parties and entities concerned in, or affected by the proposed construction, to the best of the Applicant’s knowledge, are shown in the certificate of service. In addition to those served, the Applicant requests that the following also receive service of all documents in this matter:

Mark J. Chappell, P.E., Chief
Right-of-Way, Utilities, and
Grade Crossing Division
Pennsylvania Department of
Transportation
PO Box 3362 Harrisburg, PA
17105-3362
marchappel@pa.gov

Karen L. Cummings
Counsel for the Applicant
Office of Chief Counsel
Pennsylvania Department of
Transportation
PO Box 8212 Harrisburg, PA
17105-8212
kcummings@pa.gov

5. The Applicant is seeking approval to alter Center Street by installation of new warning devices and crossing surface. A location map and circuit plans are attached marked as Exhibits “A” and “B” respectively.
6. The Applicant is aware of prior Public Utility Commission orders for this crossing at Docket Number X-00841931.

7. The Annual Average Daily traffic for State Route 0842 at this crossing is 2,279 vehicles with 6% trucks.
8. The estimated total cost for the project subject to the application and described above is \$396,621.00. The Applicant anticipates the funding for the project will be 100% federal funds.
9. The Applicant anticipates the funding for the project will be 100% federal fund.
10. This project is necessary and proper for the safety and convenience of the public.
11. A conference of all parties of interest should be held to discuss the proposed project.

Wherefore, Applicant respectfully requests that the Public Utility Commission approve this Application.

Respectfully Submitted:

/s/ Charles H Davies
Charles H. Davies, P.E.
Assistant District Executive
Engineering District 6-0
Department of Transportation
7000 Geerdes Boulevard
King of Prussia, PA 19406-1525
Phone: (610) 205-6670
Fax: (610) 205-6903
Email address: cdavies@pa.gov

Dated: 8/7/2023

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to alter the public at grade crossing by the installation of new warning devices and crossing surface, where State Road 0842 (Unionville-Wawaset Road) crosses the tracks of East Penn Railroad LLC, DOT Number 589 473 H, in Pocopson Township, Chester County *all in accordance with the Federal Grade Crossing Program Garde Crossing Program* and the allocation of cost incidental thereto.

Application
Docket No. _____

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VERIFICATION

I, Abiy Abebe, Grade Crossing Administrator 1, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).

Date: 8/8/2023

Abiyabebe(AA)

Abiy Abebe
Grade Crossing Administrator 1

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to alter the public at grade crossing by the installation of new warning devices and crossing surface, where State Road 0842 (Unionville-Wawaset Road) crosses the tracks of East Penn Railroad LLC, DOT Number 589 473 H, in Pocopson Township, Chester County *all in accordance with the Federal Grade Crossing Program Garde Crossing Program* and the allocation of cost incidental thereto.

Application
Docket No. _____

Electronically Filed

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below, in accordance with the requirements of 52 Pa. Code §1.54, by first class mail, postage prepaid:

Alfred Sauer, President
East Penn Railroad, LLC
505 South Broad Street
Kennett Square PA 19348
asauer@regional-rail.com

Brian O'Leary, AICP, Executive Director
Chester County Planning Commission
601 Westtown Road #270
PO Box 2747
West Chester PA 19380-0990
boleary@chesco.org

Susan Simone, Township Secretary
Pocopson Township
PO Box 1
Pocopson PA 19366
secretary@pocopson.org

Elias Bakhsh, Project Manager
Aqua Pennsylvania, Inc.

762 W Lancaster Avenue
Bryn Mawr PA 19010
Ebakhash@quaamerica.com

Mike Kimberly, Construction Coordinator
Comcast Cable Communications
190 Shoemaker Road
Pottstown PA 19464
mike_kimberly@cable.comcast.com

Lauren Levitt, Supervisor Network Construction
Crown Castle Fiber
3200 Horizon Drive Suite 150
King of Prussia PA 19406
Lauren.Levitt@crowncastle.com

Pete Dettling, Program Manager
PECO Energy Company
1050 W Swedesford Road
Berwyn PA 19312
Charles.Dettling@exeloncorp.com

Chris Atkinson, Highway Engineer
Verizon Pennsylvania, LLC
1050 Virginia Drive
Fort Washington PA 19034
chris.j.atkinson@verizon.com

Chris Ricciuti, Engineer
Zayo Bandwidth
170 Robbins Road
Downingtown PA 19335
Chris.Ricciuti@zayo.com

Dated this 8TH Day of August, 2023

Abiyabebe(AA)

Abiy Abebe

Location Map

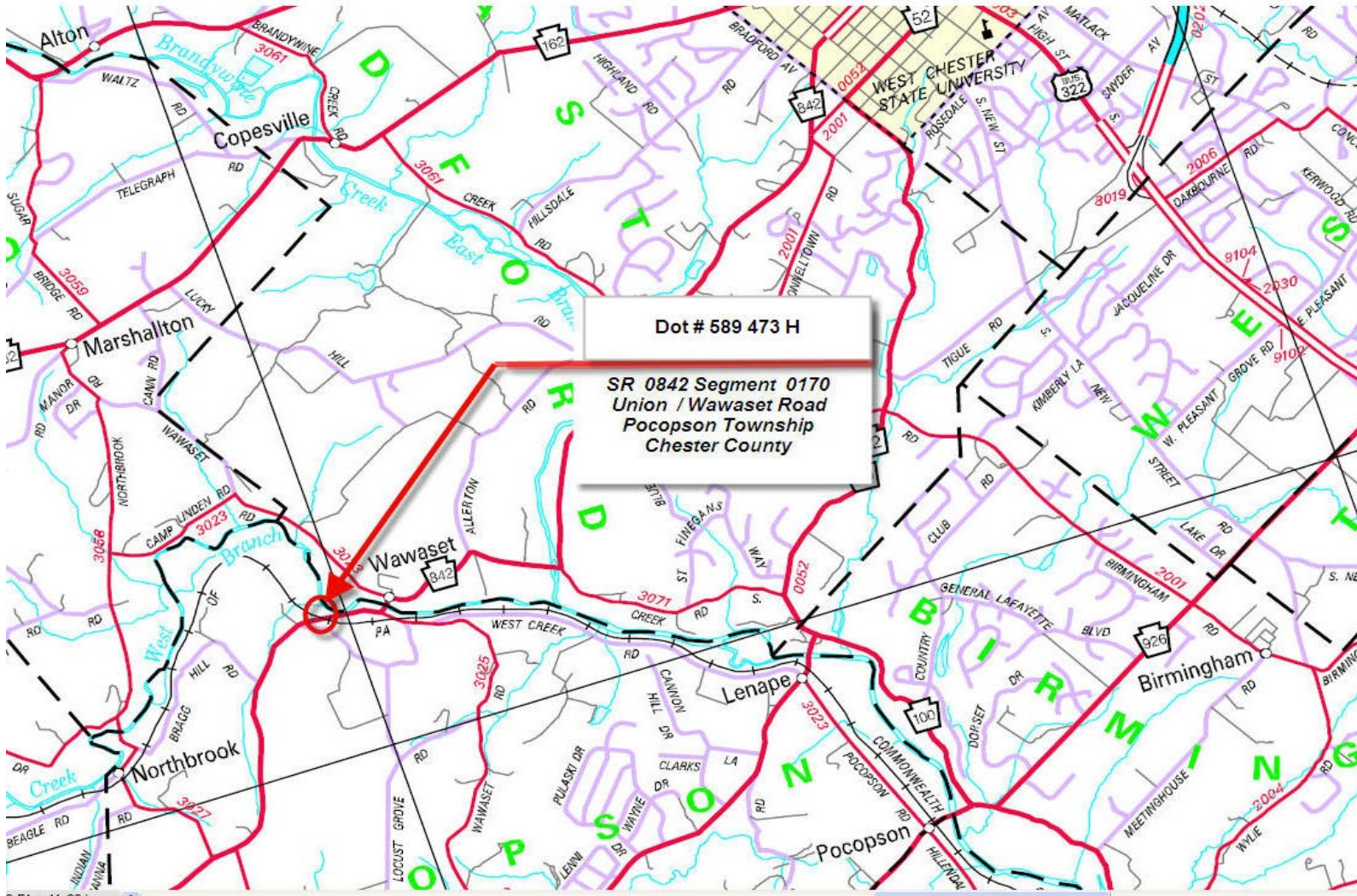


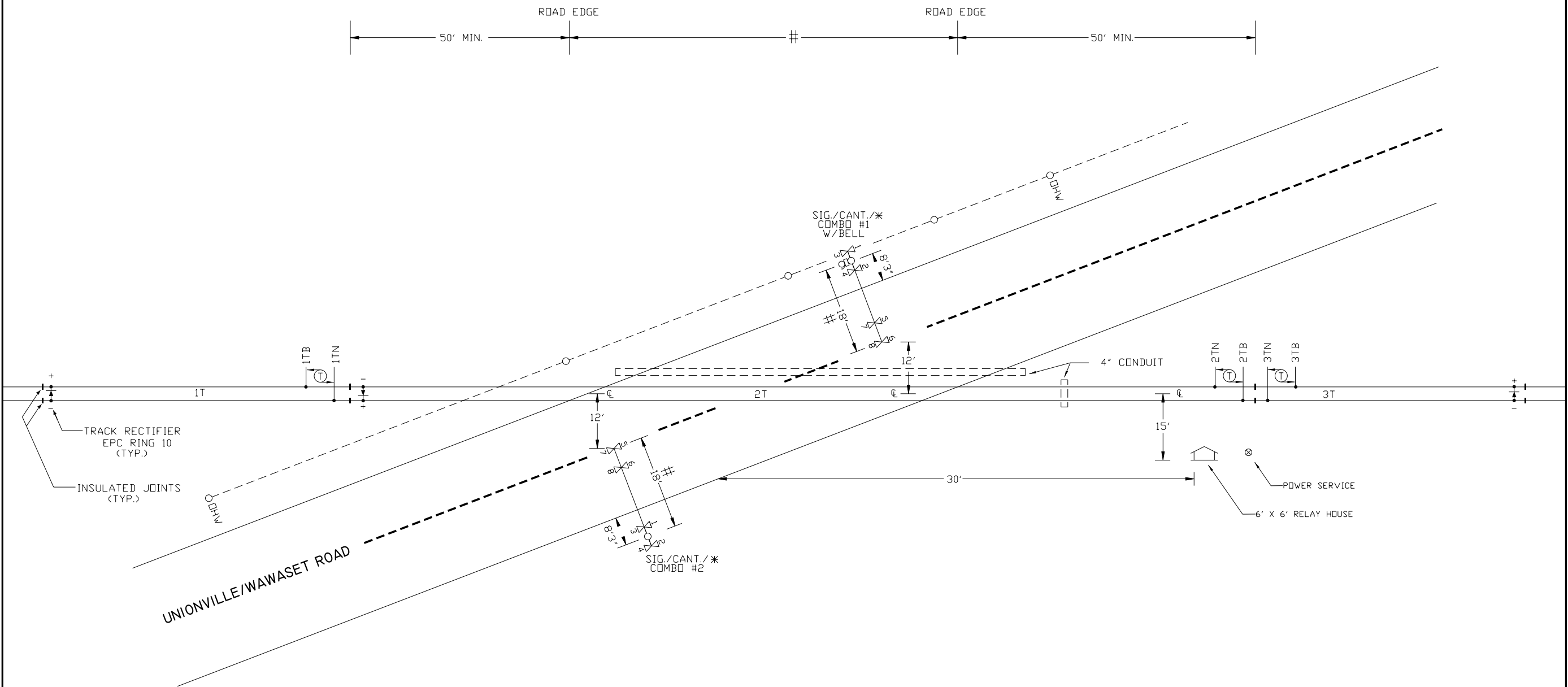
Exhibit A

WEST ←

EAST →

START 544'
37 SECS. @ 10 MPH
(INCLUDES 7 SEC. FOR CLEARANCE TIME)

START 544'
37 SECS. @ 10 MPH
(INCLUDES 7 SEC. FOR CLEARANCE TIME)



- NOTES:
1. MATERIAL & INSTALLATION TO BE IN ACCORDANCE WITH MUTCD, STATE AND RAILROAD STANDARDS.
 2. ALL DIMENSIONS ARE APPROXIMATE AND MAY VARY DUE TO ACTUAL FIELD CONDITIONS.
 3. ALL FLASHING LIGHT SIGNALS TO BE LIGHT EMITTING DIODE (LED)
 4. DENOTES TWIST PAIR.

- FIELD TO VERIFY ALL MEASUREMENTS
* - GATE READY

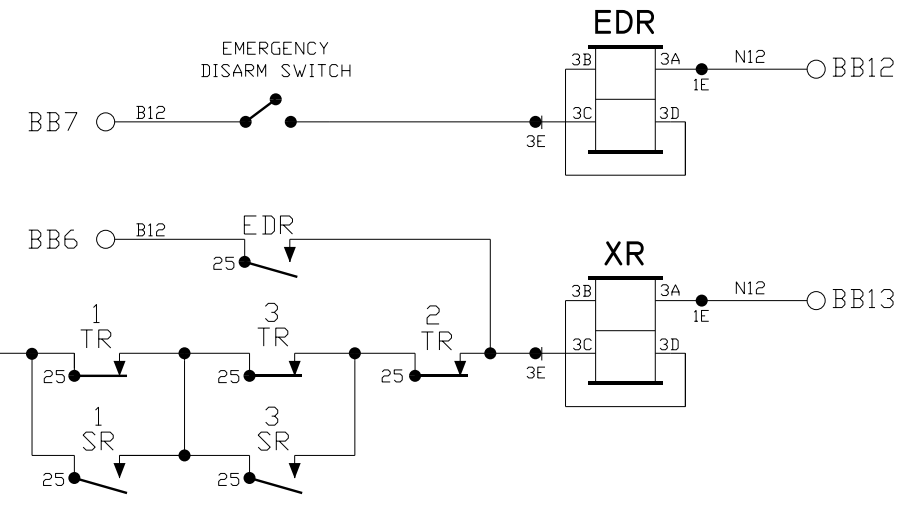
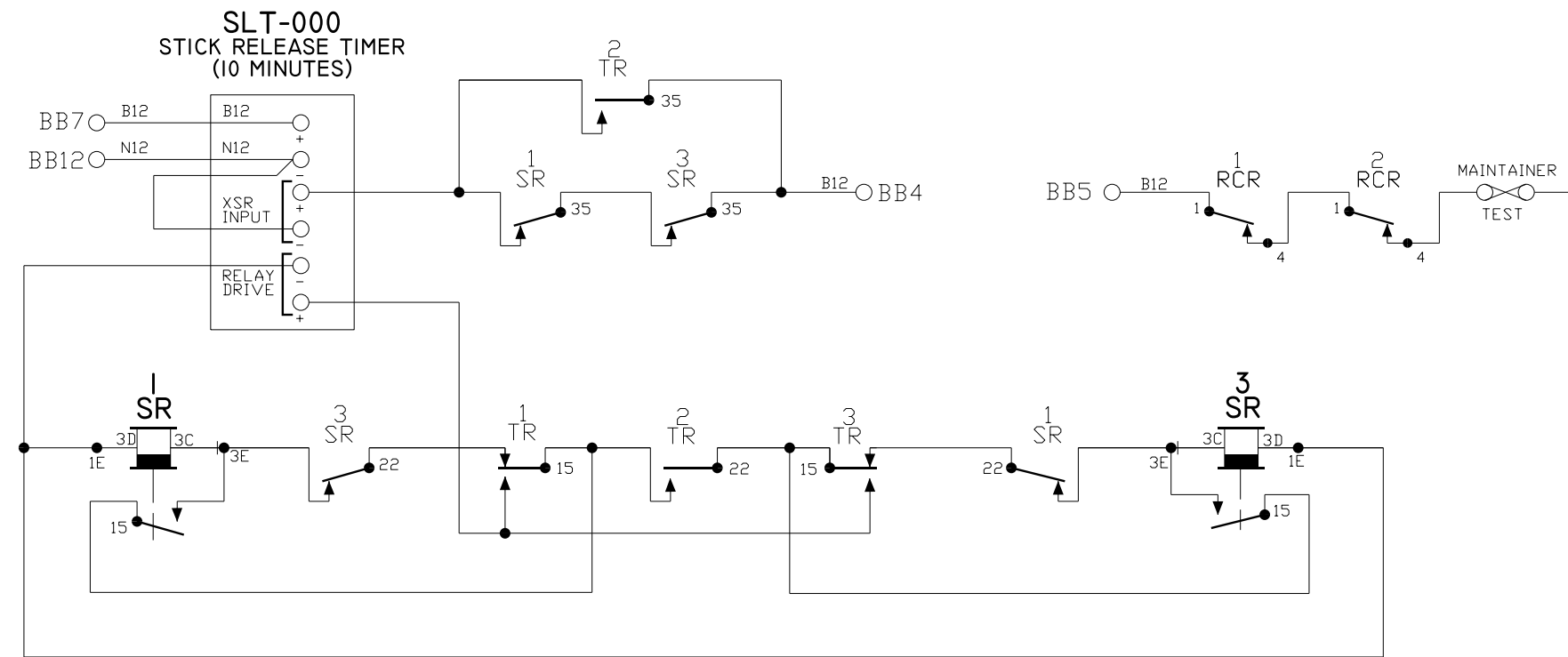
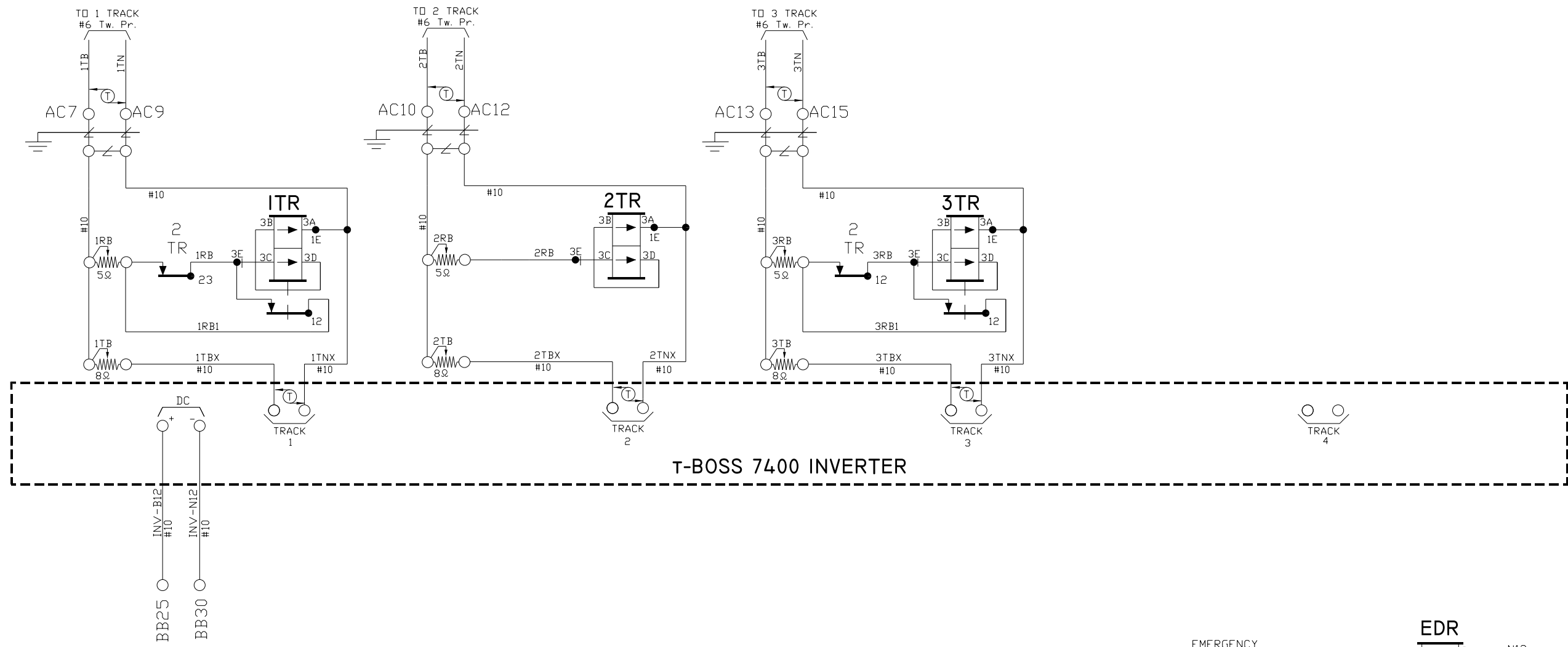
CABLE RUN TABULATION

- HOUSE TO SIG./CANT. #1 - 5/C #6 UG CABLE
- (GATE READY) - 7/C #14 UG CABLE
- HOUSE TO SIG./CANT. #2 - 5/C #6 UG CABLE
- (GATE READY) - 7/C #14 UG CABLE
- HOUSE TO AC SERVICE - 3/C #9 UG CABLE
- HOUSE TO 1TN & 1TB - 2/C #6 TW. PAIR UG CABLE
- HOUSE TO 2TN & 2TB - 2/C #6 TW. PAIR UG CABLE
- HOUSE TO 3TN & 3TB - 2/C #6 TW. PAIR UG CABLE

Exhibits B
Page 1 of 6

SHEET 1 OF 6

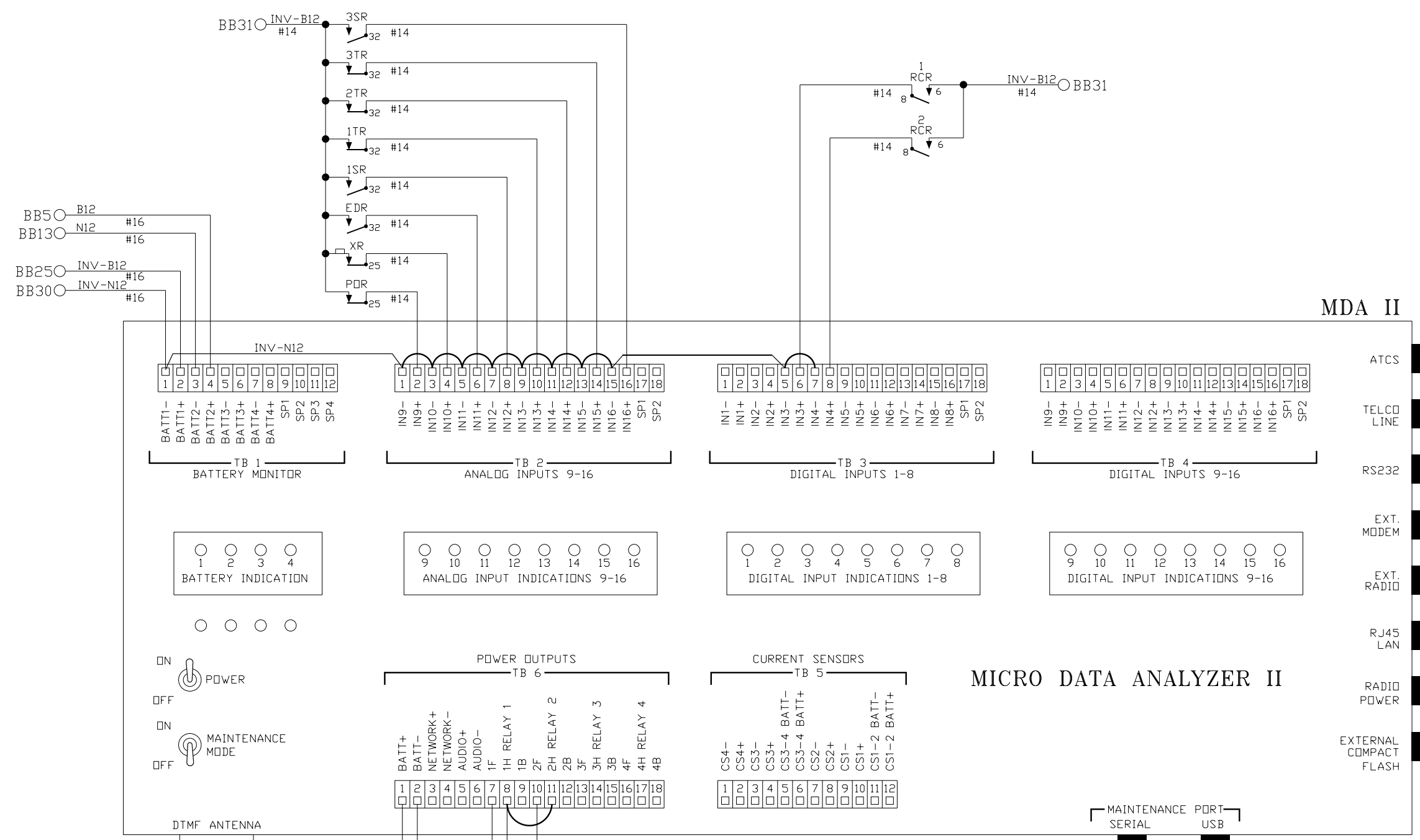
<p>DIAMONDBACK SIGNAL</p> <p>(410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784</p>	AS WIRED XX/XX/XXXX		AS INSTALLED XX/XX/XXXX	
	<p>EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES</p>			
	SCALE: NONE	APPROVED BY:	DRAWN BY: NST	
	DATE: 6/7/2023		REVISED:	
<p>UNIONVILLE/WAWASET ROAD - DOT# 589 473H MP. 21.14 WEST CHESTER, CHESTER COUNTY, PA</p>				
TRACK & CABLE PLAN			DRAWING NUMBER	



- NOTES:
1. ALL WIRE THIS SHEET IS #14 AWG FLEX UNLESS OTHERWISE NOTED.
 2. $\text{\textcircled{T}}$ DENOTES TWISTED PAIR.

AS WIRED XX/XX/XXXX AS INSTALLED XX/XX/XXXX

DIAMONDBACK SIGNAL		EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES	
SCALE: NONE	APPROVED BY:	DRAWN BY: NST	
DATE: 6/7/2023		REVISED:	
(410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784		UNIONVILLE/WAWASET ROAD - DOT# 589 473H MP. 21.14 WEST CHESTER, CHESTER COUNTY, PA	
CIRCUIT PLAN "A"		DRAWING NUMBER	



MDA II

MICRO DATA ANALYZER II

ROOF MOUNT
VHF ANTENNA

BATTERY INDICATION

ANALOG INPUT INDICATIONS 9-16

DIGITAL INPUT INDICATIONS 1-8

DIGITAL INPUT INDICATIONS 9-16

ON POWER
OFF
ON MAINTENANCE MODE
OFF

POWER OUTPUTS
TB 6
BATT+
BATT-
NETWORK+
AUDIO+
AUDIO-
1F RELAY 1
1B
2F RELAY 2
2B
3F RELAY 3
3B
4F RELAY 4
4B

CURRENT SENSORS
TB 5
CS4-
CS4+
CS3-
CS3+
CS3-4 BATT-
CS3-4 BATT+
CS2-
CS2+
CS1-
CS1+
CS1-2 BATT-
CS1-2 BATT+

MAINTENANCE PORT
SERIAL
USB

- ATCS
- TELCO LINE
- RS232
- EXT. MODEM
- EXT. RADIO
- RJ45 LAN
- RADIO POWER
- EXTERNAL COMPACT FLASH

RADIO FREQUENCY 159.862

DTMF CODE	FUNCTION
473*	ACTIVATE RELAY 1 WITH NO TIMER
473#	DEACTIVATE RELAY 1
1473*	ACTIVATE RELAY 2 WITH TIMER
1473#	DEACTIVATE RELAY 2

NOTES:
1. ALL WIRE THIS SHEET #10 UNLESS OTHERWISE NOTED.
2. DENOTES TWISTED PAIR.

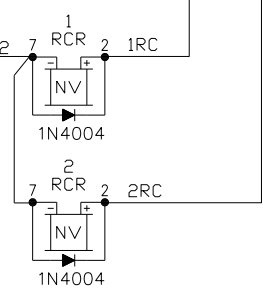
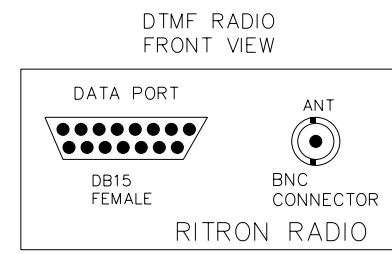
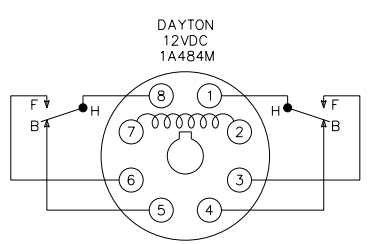


Exhibit B
Page 3 of 6

SHEET 3 OF 6

AS WIRED XX/XX/XXXX

AS INSTALLED XX/XX/XXXX

DIAMONDBACK SIGNAL

(410) 795-9601
5965 EXCHANGE DRIVE
SUITE "D"
SYKESVILLE, MD 21784

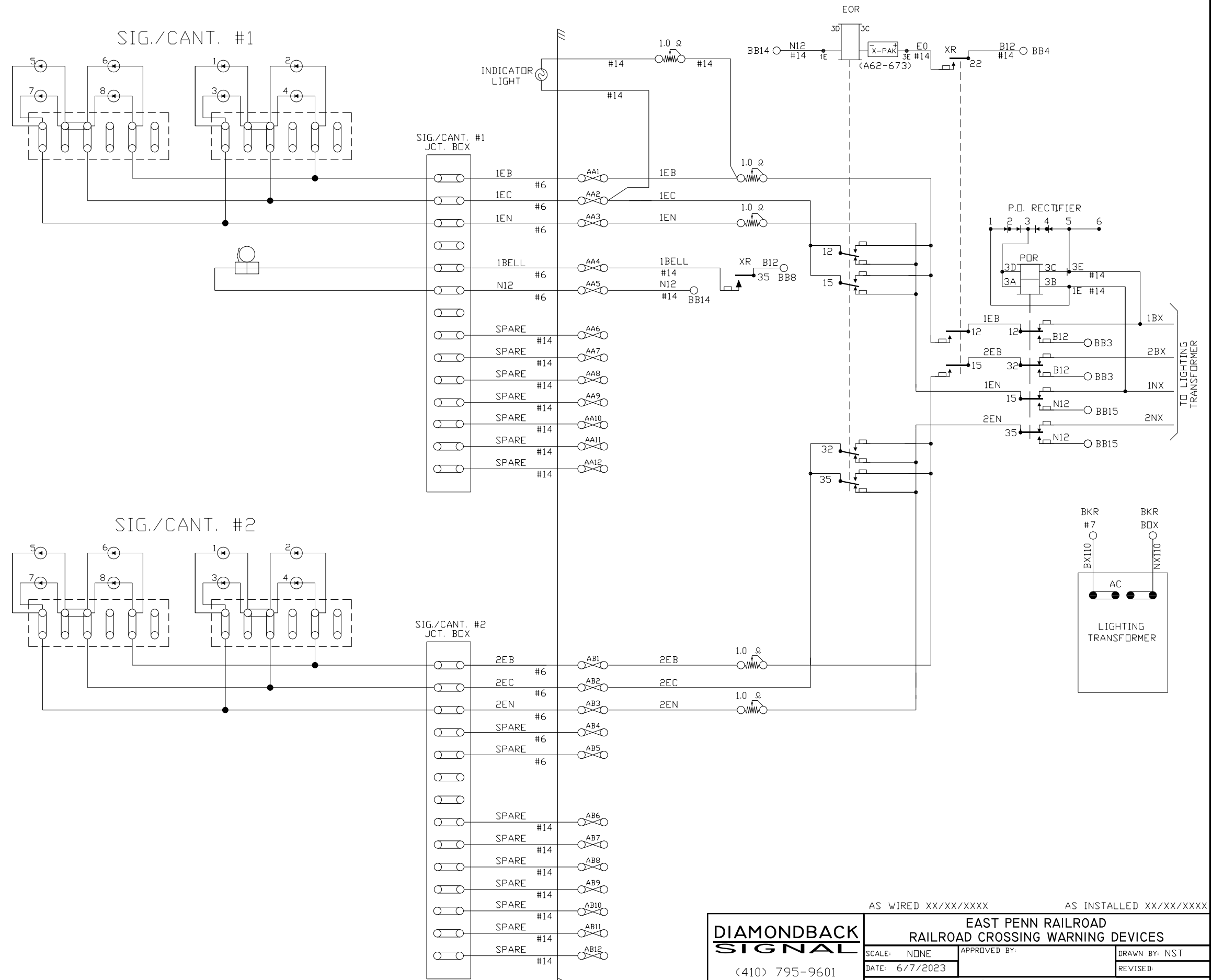
**EAST PENN RAILROAD
RAILROAD CROSSING WARNING DEVICES**

SCALE: NONE APPROVED BY: _____ DRAWN BY: NST

DATE: 6/7/2023 REVISIONS: _____

UNIONVILLE/WAWASET ROAD - DOT# 589 473H MP. 21.14
WEST CHESTER, CHESTER COUNTY, PA

CIRCUIT PLAN "B" DRAWING NUMBER _____

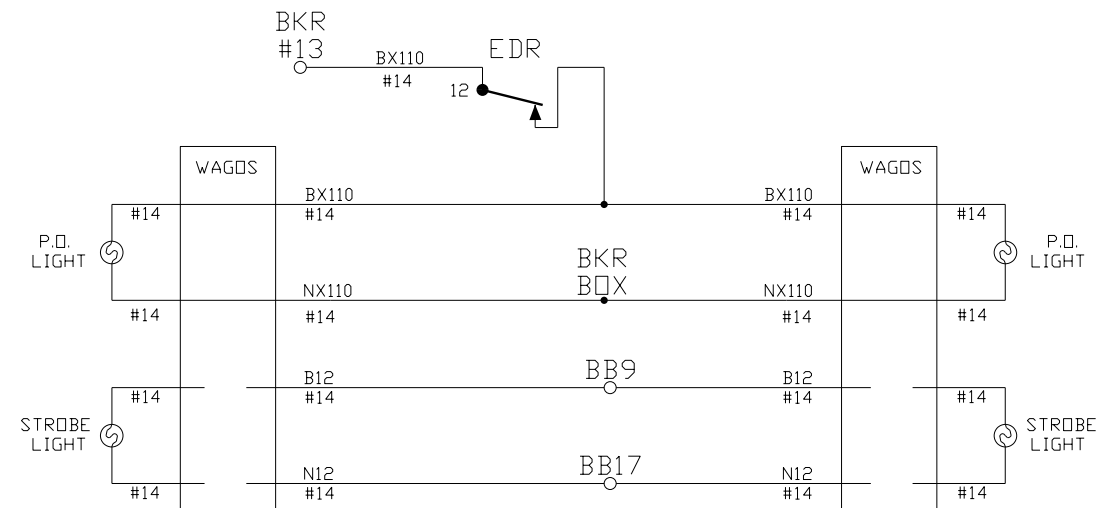
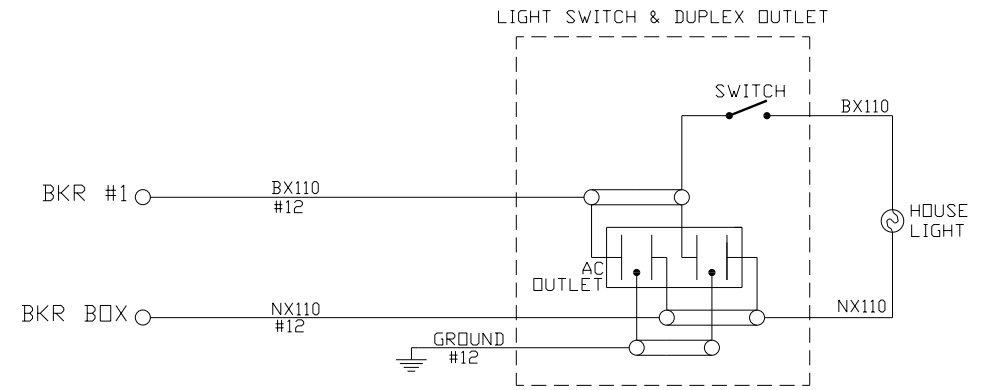
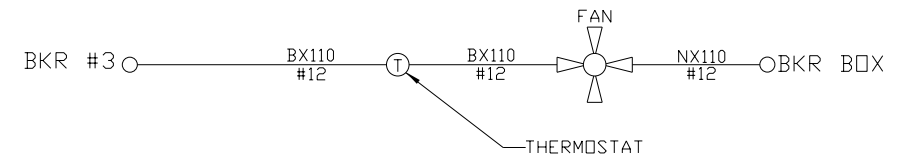
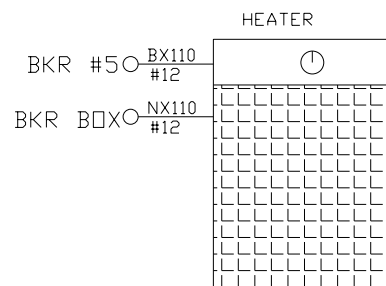
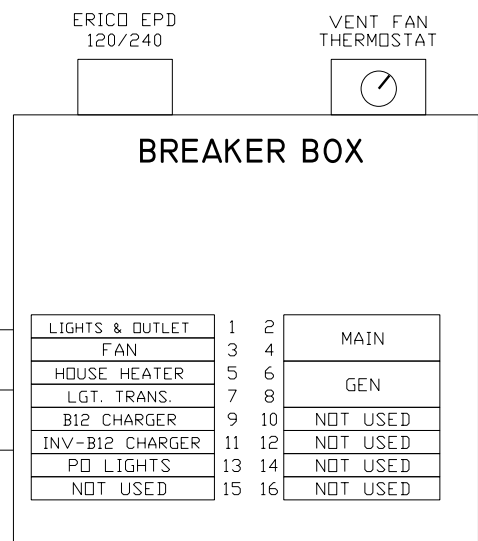
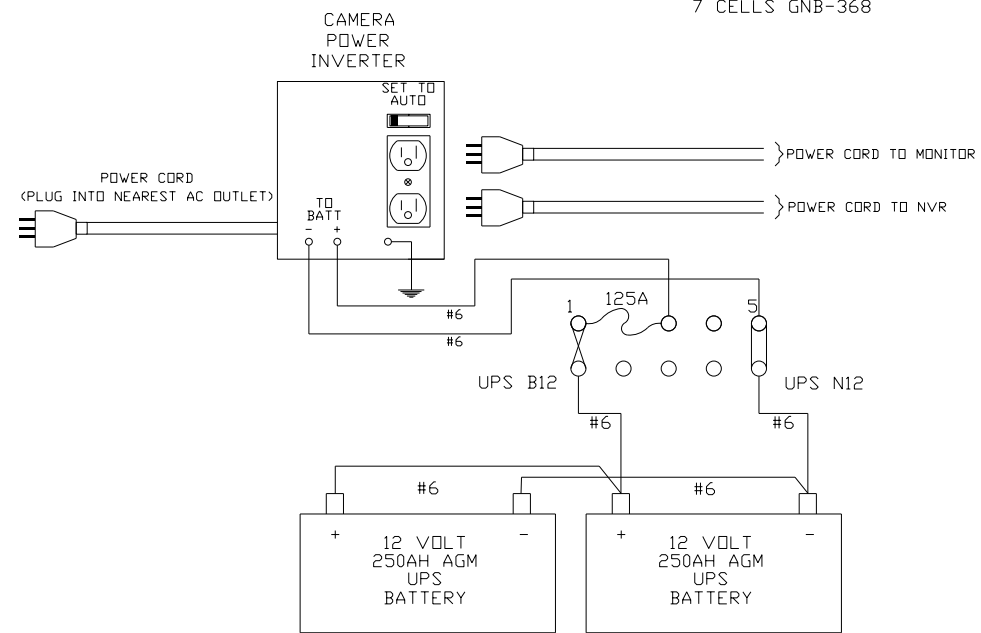
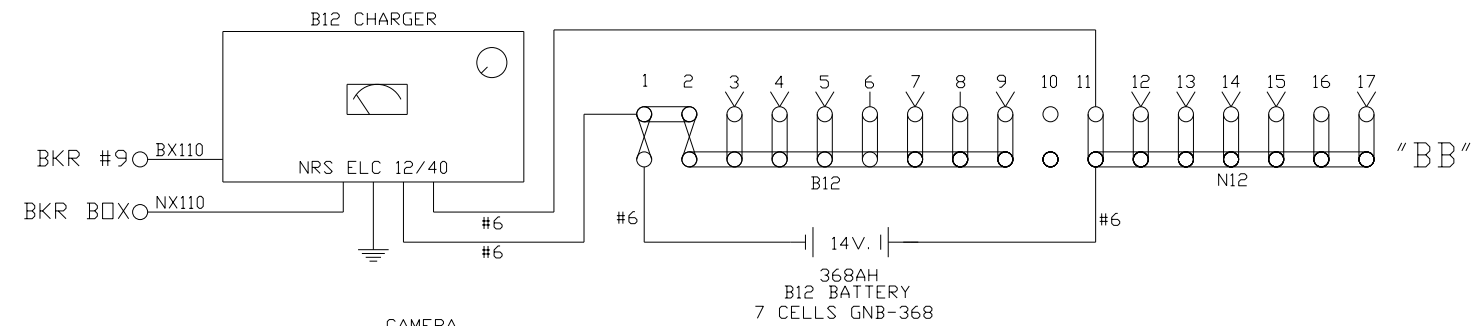
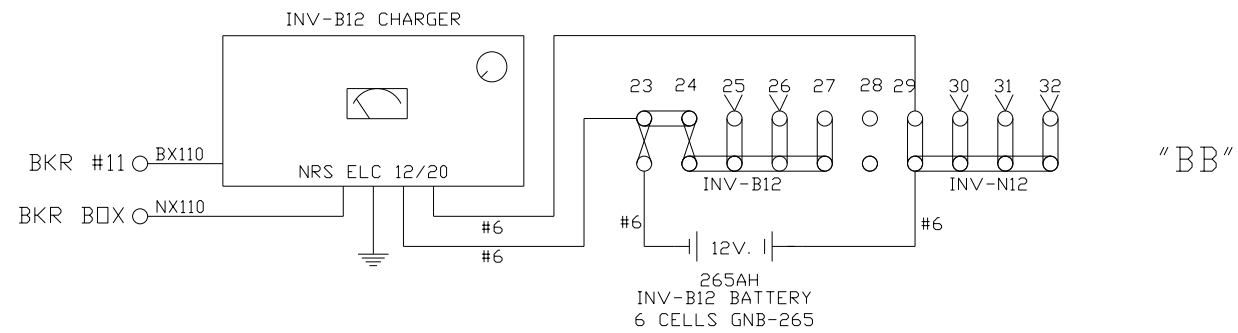


NOTES:
 1. ALL WIRE THIS SHEET IS #10 AWG. FLEX UNLESS OTHERWISE NOTED.
 2. FLASHER RELAY W/X-PAK (A62-673)

Exhibits B
 Page 4 of 6

SHEET 4 OF 6

DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784	AS WIRED XX/XX/XXXX		AS INSTALLED XX/XX/XXXX	
	EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES			
	SCALE: NONE	APPROVED BY:	DRAWN BY: NST	
	DATE: 6/7/2023	REVISER:	REVISION:	
UNIONVILLE/WAWASET ROAD - DOT# 589 473H MP. 21.14 WEST CHESTER, CHESTER COUNTY, PA			DRAWING NUMBER	
CIRCUIT PLAN "C"				

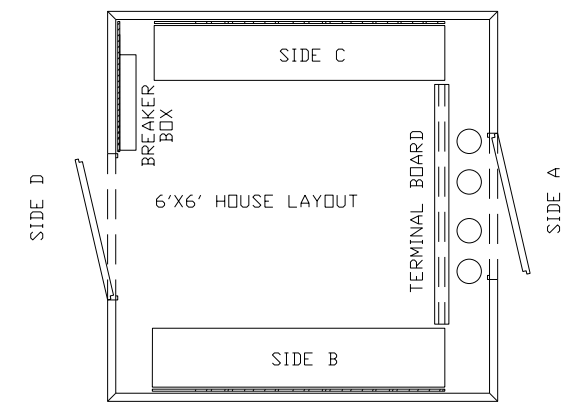
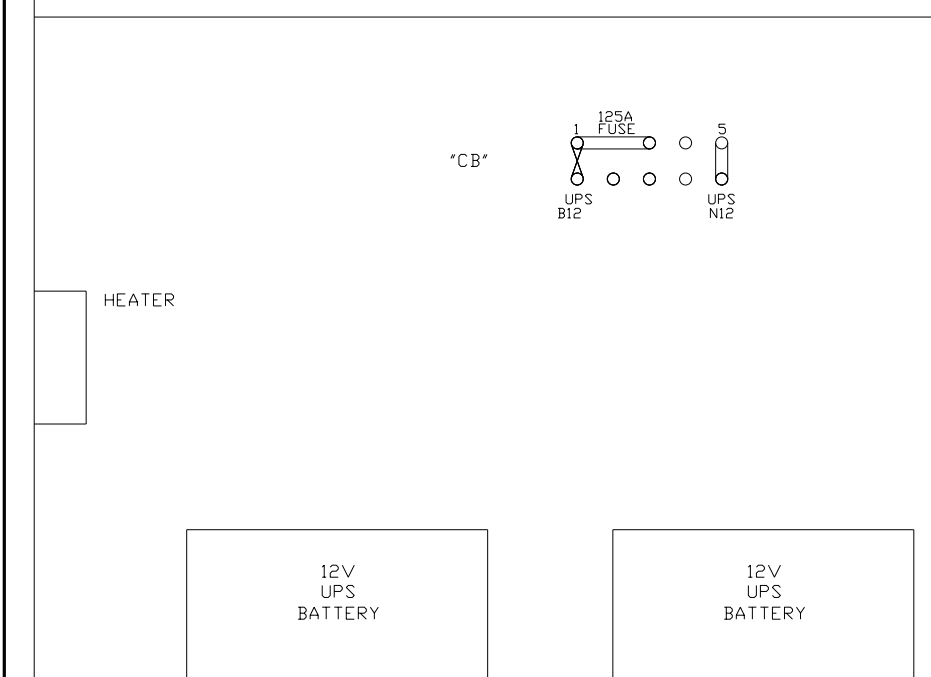
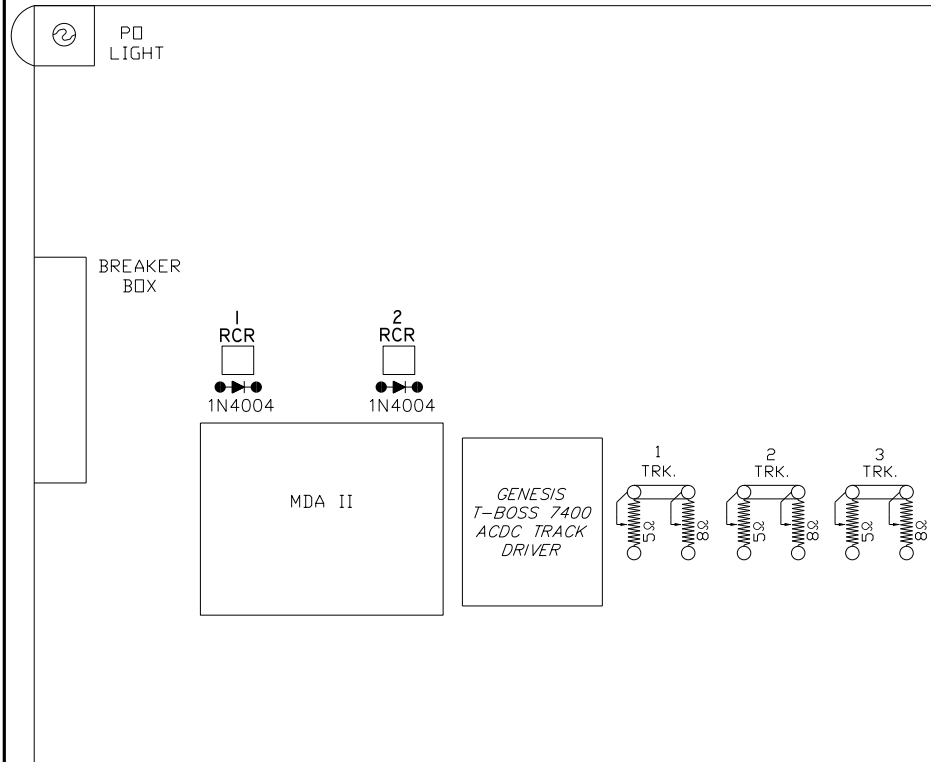


NOTE:
ALL WIRE THIS SHEET IS #10 AWG FLEX
UNLESS OTHERWISE NOTED.

AS WIRED XX/XX/XXXX AS INSTALLED XX/XX/XXXX

DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784	EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES	
	SCALE: NONE DATE: 6/7/2023	APPROVED BY:
UNIONVILLE/WAWASET ROAD - DOT# 589 473H MP. 21.14 WEST CHESTER, CHESTER COUNTY, PA		DRAWING NUMBER
CIRCUIT PLAN "D"		

SIDE "C"

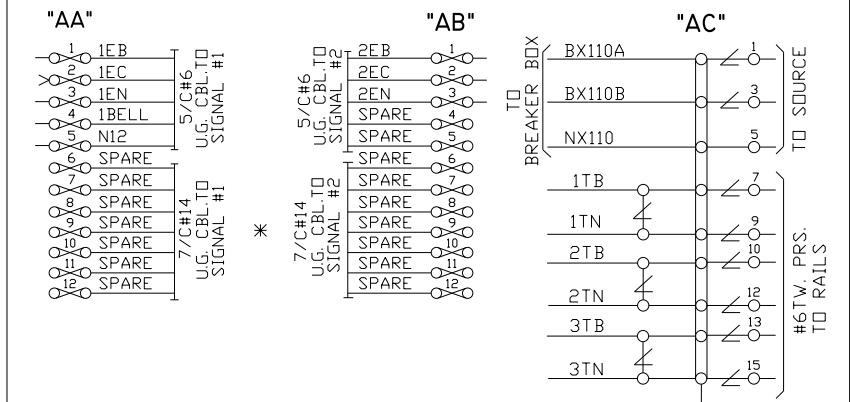
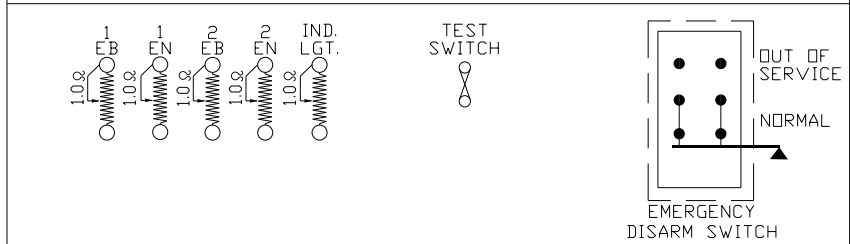


SIDE "A"

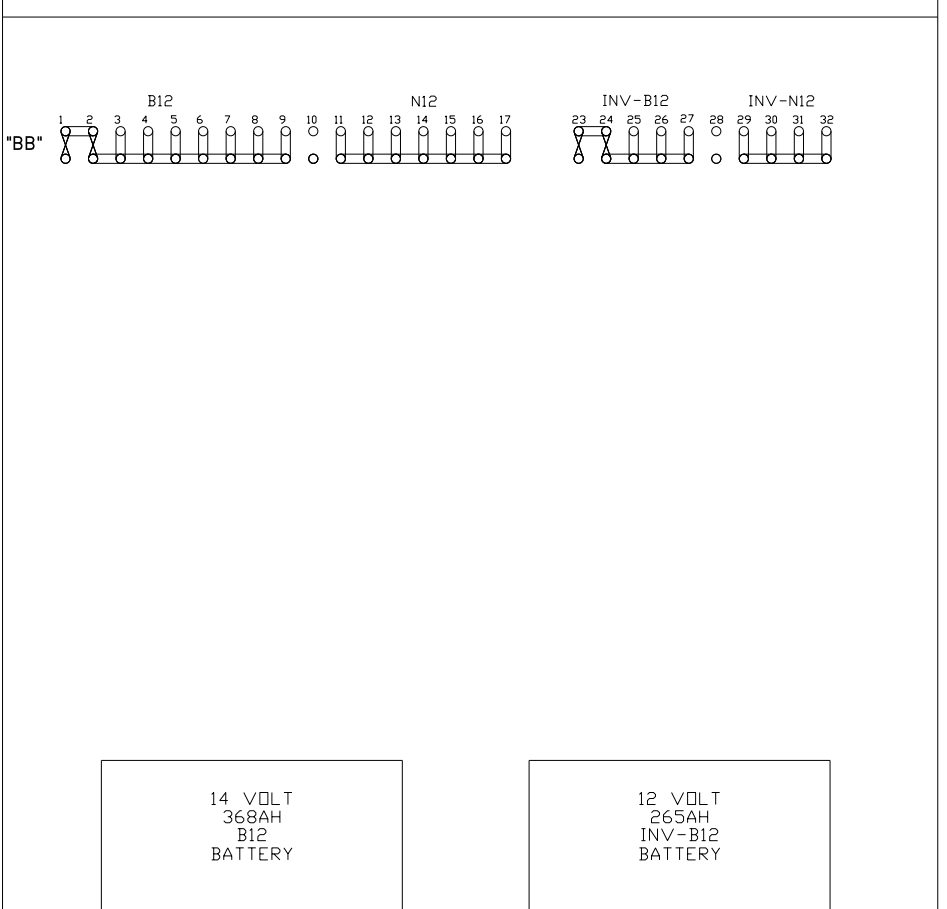
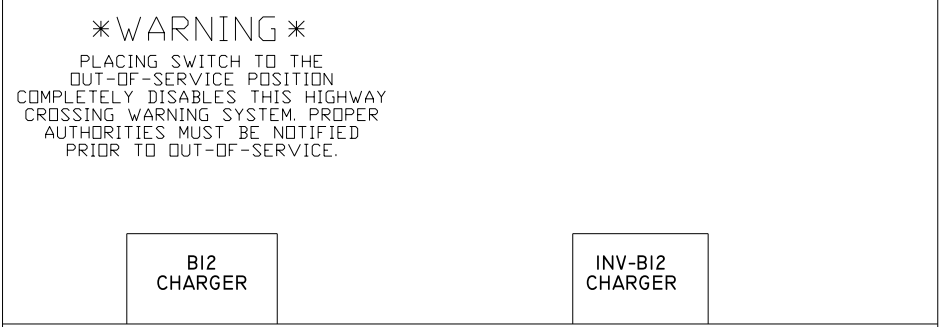
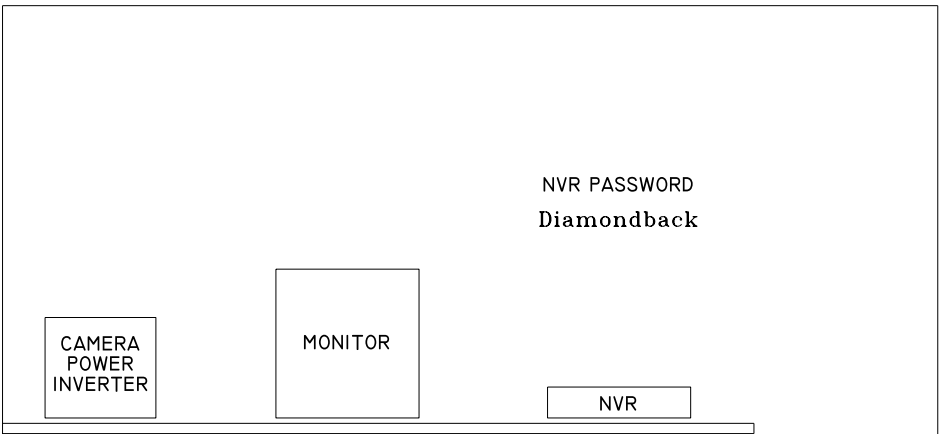
PD LIGHT

LIGHT TRANS.	* POR		* EOR		* GPXR		* XR		* XGPR		* EDR	
	12	15	12	15	12	15	12	15	12	15	12	15
	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB
	22	22	32	32	22	22	22	22	32	32	22	22
	F	F	FB	FB	FB	FB	FB	FB	FB	FB	F	F
	25	25			23	23	23	23	35	35	25	25
	F	F			F	F	F	F	F	F	F	F
	32	32			25	25	25	25			32	32
	F	F			F	F	F	F			F	F
	35	35			32	32	32	32			35	35
	B	B			B	B	B	B			B	B
	A62-406	A62-673	A62-310	A62-310	A62-360	A62-262						

1 SR	1 TR	2 TR	3 TR	3 SR	SLT-000 STICK RELEASE TIMER (10 MIN)
12 F	12 FB	12 F	12 FB	12 F	
15 B	15 FB	15 B	15 FB	15 F	
22 B	22 B	22 B	22 B	22 B	
23 B	23 B	23 F	23 B	23 B	
25 F	25 F	25 F	25 F	25 F	
32 F	32 F	32 F	32 F	32 F	
35 B	35 B	35 B	35 B	35 B	
A62-357	A62-120	A62-120	A62-120	A62-357	



SIDE "B"



* - GATE READY

AS WIRED XX/XX/XXXX AS INSTALLED XX/XX/XXXX

DIAMONDBACK SIGNAL

(410) 795-9601
 5965 EXCHANGE DRIVE
 SUITE "D"
 SYKESVILLE, MD 21784

EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES

SCALE: NONE	APPROVED BY:	DRAWN BY: NST
DATE: 6/7/2023		REVISED:
UNIONVILLE/WAWASET ROAD - DOT# 589 473H MP. 21.14 WEST CHESTER, CHESTER COUNTY, PA		DRAWING NUMBER
RELAY HOUSE LAYOUT		