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SECRETARY'S BUREAU

October 18, 2019

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

In re: **A-2019-3011410**, application of the Commonwealth of Pennsylvania, Department of Transportation, for approval to alter twelve (12) public at-grade crossings by the installation of new active traffic control devices and three high-type concrete crossing surfaces where various local roadways cross the twelve (12) tracks of SEDA-COG Joint Rail Authority, operated on by Lycoming Valley Railroad in various municipalities in Lycoming County; **all in accordance with the Federal Grade Crossing Program**; and the allocation of costs incident thereto.

<u>Highway</u>	<u>DOT No.</u>	<u>Municipality</u>
1. SR 147 (King St)	264 183A	Northumberland
2. Orange Street	264 182T	Northumberland
3. Railroad Street	264 155W	Danville
4. Wall Street	264 153H	Danville
5. Central Road	265 992N	Bloomsburg
6. Industrial Park Dr.	908 921W	Bloomsburg
7. S. Eaton Street	266 013M	Berwick
8. SR 54	591 840N	Locust Gap

Dear Rosemary Chiavetta:

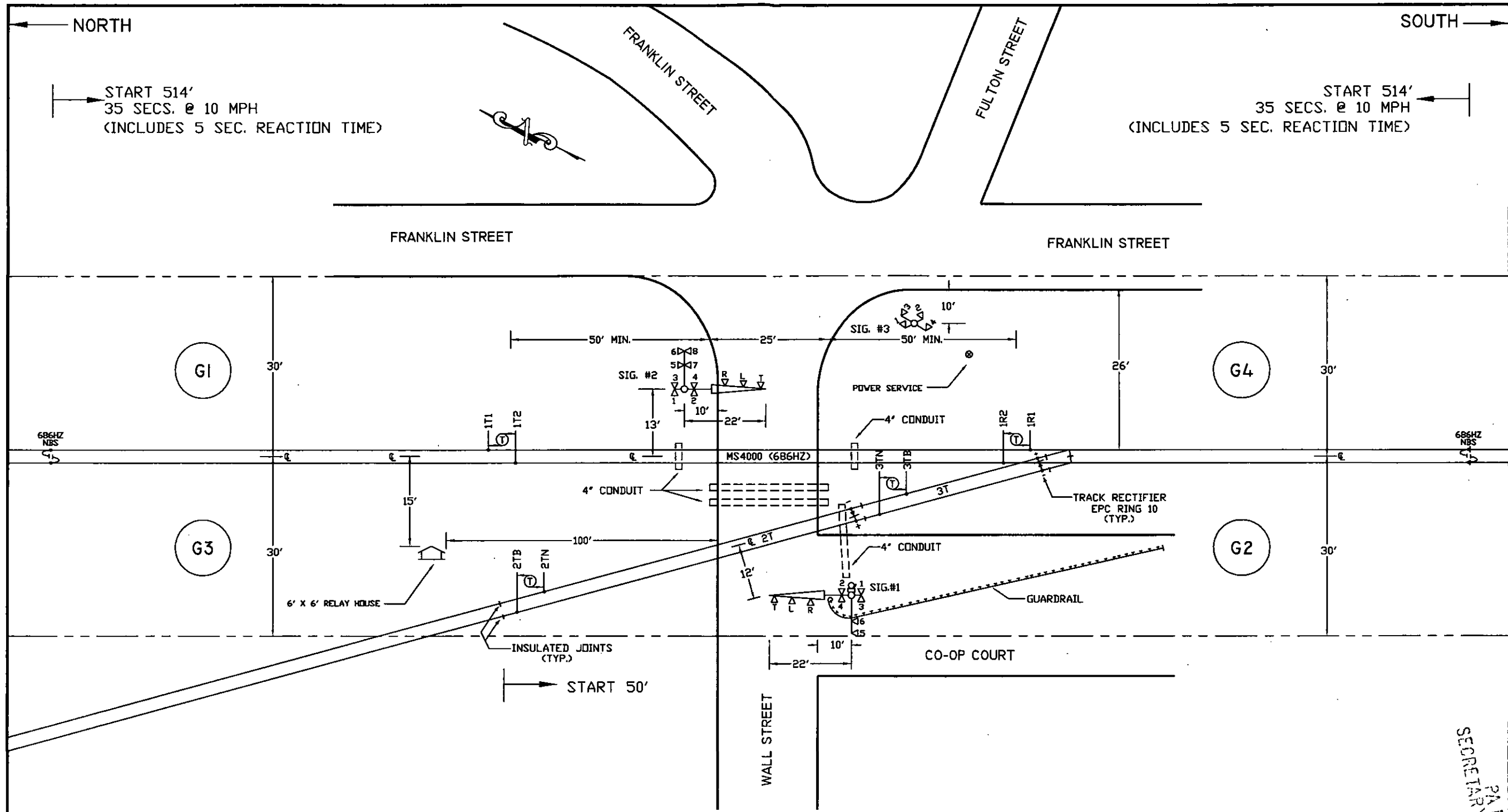
A copy of the circuit plans for has been served upon the parties in the Certificate of Service.

Diamondback Signal is sending this on behalf of the North Shore Railroad.

Sincerely,

Kevin Lamb
Vice President Engineering

Enclosures



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. $\text{\textcircled{T}}$ DENOTES TWIST PAIR.

CABLE RUN TABULATION

- | | |
|------------------------|------------------------|
| HOUSE TO SIGNAL #1 | - 5/C #6 UG CABLE |
| HOUSE TO SIGNAL #2 | - 7/C #14 UG CABLE |
| HOUSE TO SIGNAL #3 | - 5/C #6 UG CABLE |
| HOUSE TO POWER SERVICE | - 7/C #14 UG CABLE |
| HOUSE TO IT1 & IT2 | - 5/C #9 UG CABLE |
| HOUSE TO 2R1 & 2R2 | - 3/C #9 UG CABLE |
| HOUSE TO 2TN & 2TB | - #6 TW. PAIR UG CABLE |
| HOUSE TO 3TN & 3TB | - #6 TW. PAIR UG CABLE |
| | - #6 TW. PAIR UG CABLE |
| | - #6 TW. PAIR UG CABLE |
| | - #6 TW. PAIR UG CABLE |
| | - #6 TW. PAIR UG CABLE |

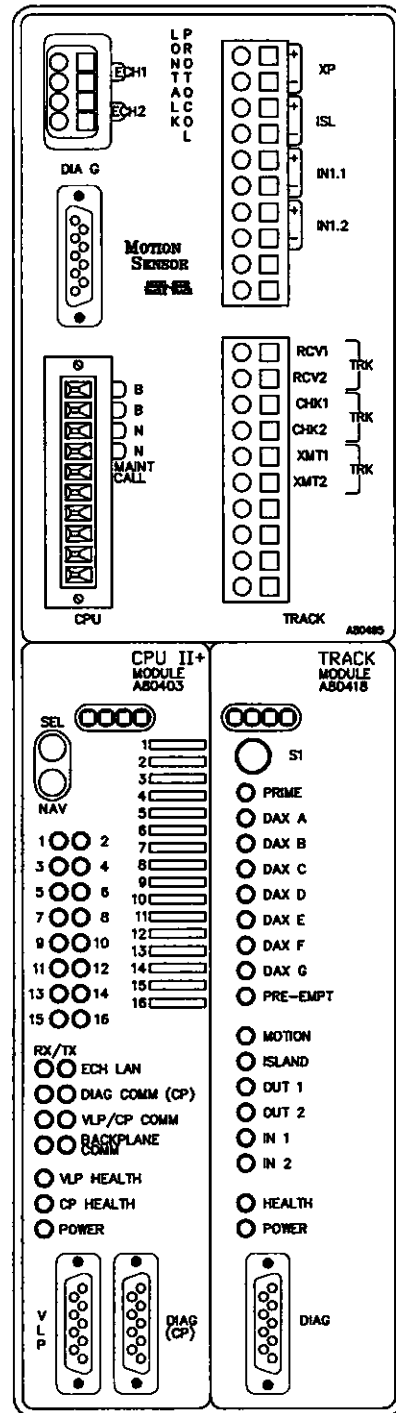
DIAMONDBACK SIGNAL
 (410) 795-9601
 5965 EXCHANGE DRIVE
 SUITE "D"
 SYKESVILLE, MD
 21784

AS WIRED		AS INSTALLED	
NORTH SHORE RAILROAD RAILROAD CROSSING WARNING DEVICES			
SCALE: NONE	APPROVED BY:	DRAWN BY: KDL	
DATE: 9/29/2019		REVISED:	
WALL STREET - DOT # 264 153H DANVILLE, MONTOUR COUNTY, PA			
TRACK & CABLE PLAN			DRAWING NUMBER 201.03

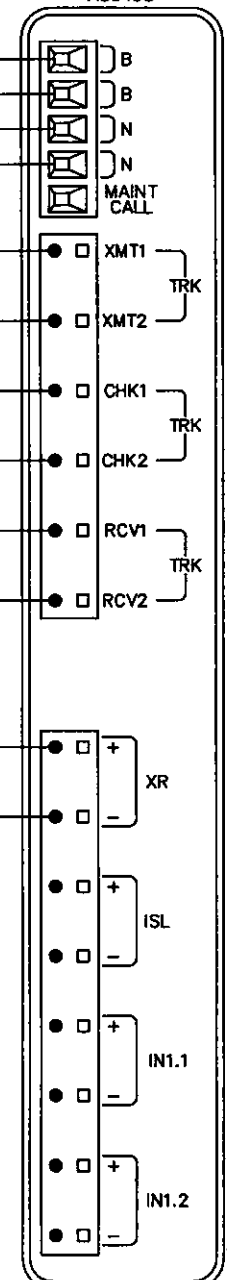
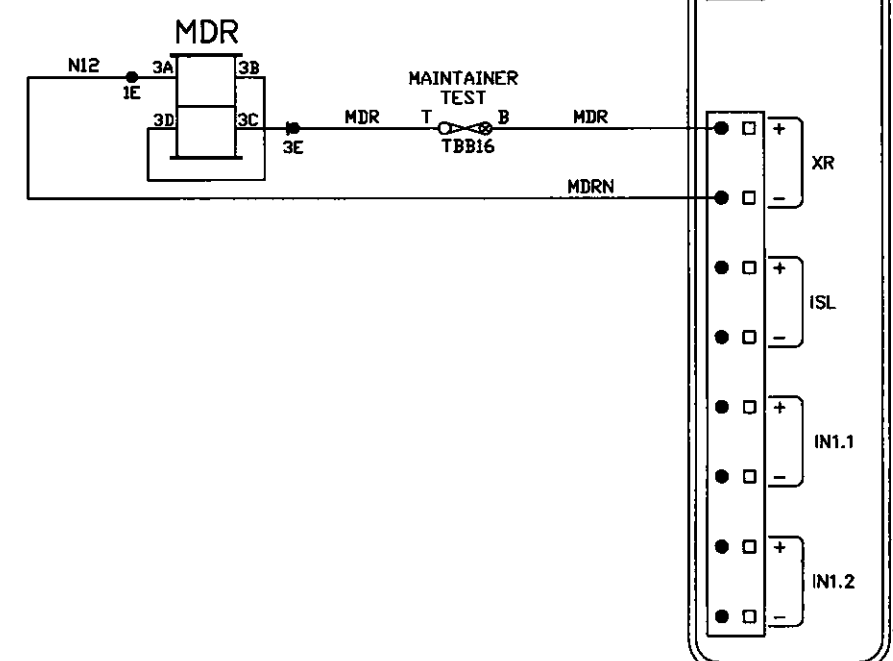
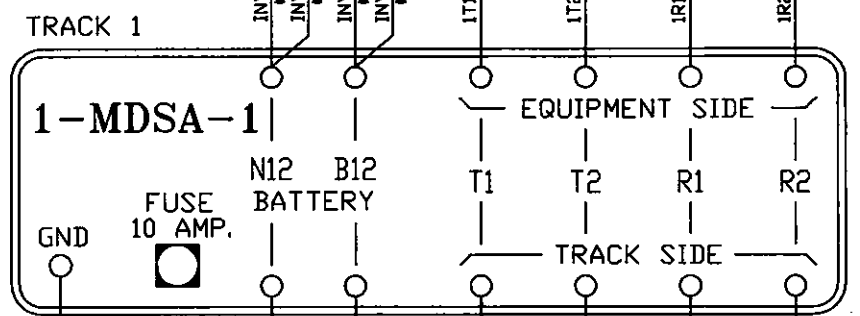
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1-MS4000
A80495

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MS4000
BI - DIRECTIONAL
686HZ



- NOTES:**
1. ALL WIRING THIS SHEET TO BE #14 AWG. UNLESS OTHERWISE NOTED.
 2. = TWISTED WIRE - 2 TURNS PER FOOT.

AS WIRED		AS INSTALLED	
DIAMONDBACK SIGNAL			
NORTH SHORE RAILROAD RAILROAD CROSSING WARNING DEVICES			
SCALE: NONE	APPROVED BY:	DRAWN BY: KDL	
DATE: 9/29/2019		REVISED:	
WALL STREET - DOT # 264 153H DANVILLE, MONTGOMERY COUNTY, PA			
CIRCUIT PLAN "A"			DRAWING NUMBER 201.03

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

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PROGRAM INFORMATION
 MS4000

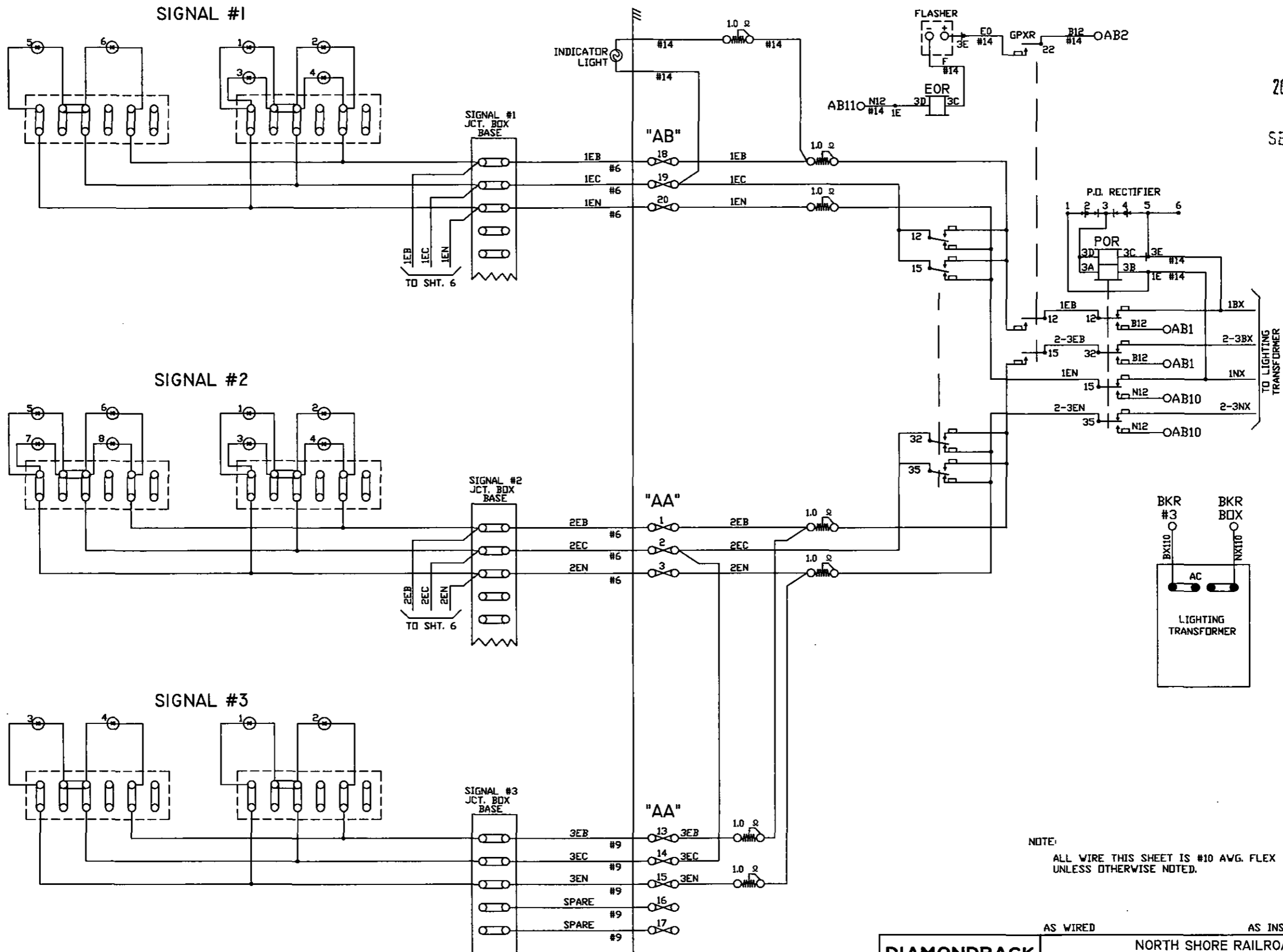
Parameter Name	Track 1			
Track Frequency	686HZ			
Directionally, to include directionality of wiring (DIRN)	BI			
Transmit Level (TLVL)	MED (DL)			
Pickup Delay (APKU)	15 SEC (DL)			
Upstream Adjacent Crossing (UAX) Time	1 SEC			
Island Frequency (ISL)	4 KHZ			
Island Pickup Delay (IPKU) (Internal Island Selected)	2 SEC			
Island Pickup Delay (IPKU) (External Island Selected)	N/A			
IN1	N/A			
IN2	N/A			
Positive Start EX Value (PSTR)	OFF (DL)			
Positive Start Time (PTIM)	0 MIN (DL)			
Sudden Shunt Level (SHNT)	OFF (DL)			
Low EZ Level (LWEZ)	OFF (DL)			
Low EZ Time (LTIM)	2 MIN (DL)			
Low EX Level (LWEX)	39 (DL)			
Compensation Value (COMP)	1300 (DL)			
Predictor Used (PRED)	No (DL)			
Warning Time (WTIM)	30 SEC			

NOTES:

- 1.) FOR ISLAND DISTANCE MEASURE THE DISTANCE BETWEEN THE TRANSMITTER AND RECEIVER LEADS AND ENTER ON CHART - MUST BE 120' MINIMUM.
- 2.) DL = Default Setting
 N/A = Non Applicable

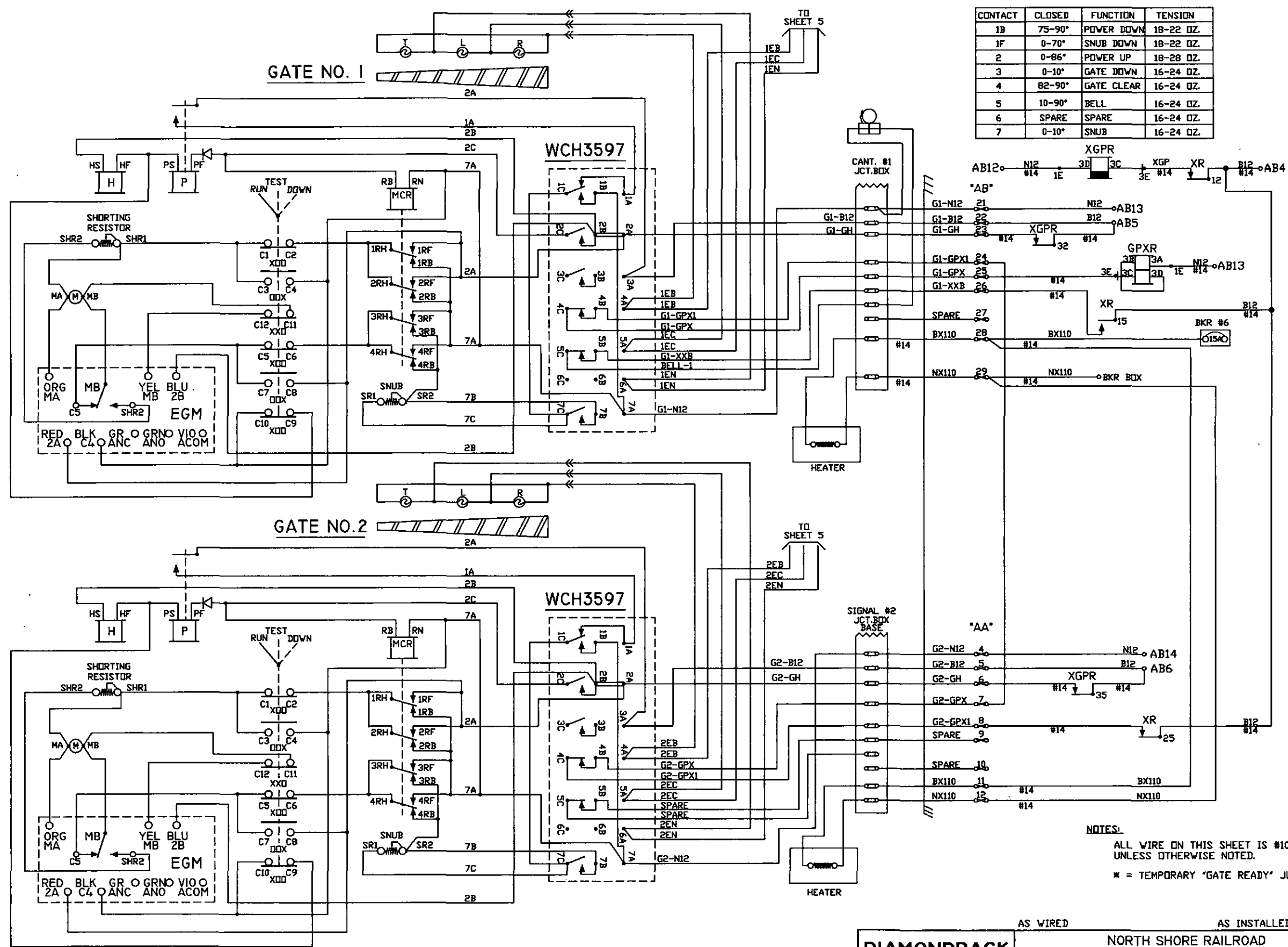
DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE 'D' SYKESVILLE, MD 21784	AS WIRED		AS INSTALLED	
	NORTH SHORE RAILROAD RAILROAD CROSSING WARNING DEVICES			
	SCALE: NONE	APPROVED BY:	DRAWN BY: KDL	
	DATE: 9/29/2019	REVISOR:	REVISED:	
WALL STREET - DOT # 264 153H DANVILLE, MONTOUR COUNTY, PA				
CIRCUIT PLAN "B"			DRAWING NUMBER 201.03	

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

DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE 'D' SYKESVILLE, MD 21784	AS WIRED		AS INSTALLED	
	NORTH SHORE RAILROAD RAILROAD CROSSING WARNING DEVICES			
	SCALE: NONE	APPROVED BY:	DRAWN BY: KDL	
	DATE: 9/29/2019		REVISED:	
WALL STREET - DOT # 264 153H DANVILLE, MONTGOMERY COUNTY, PA				
CIRCUIT PLAN 'D'			DRAWING NUMBER 201.03	

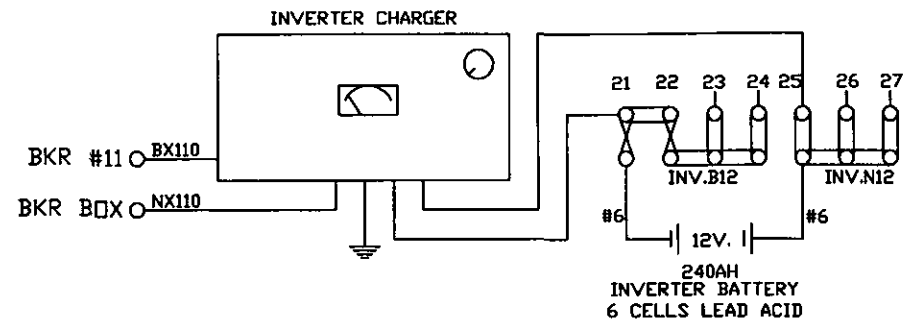


CONTACT	CLOSED	FUNCTION	TENSION
1B	75-90°	POWER DOWN	18-22 OZ.
1F	0-70°	SNUB DOWN	18-22 OZ.
2	0-86°	POWER UP	18-28 OZ.
3	0-10°	GATE DOWN	16-24 OZ.
4	82-90°	GATE CLEAR	16-24 OZ.
5	10-90°	BELL	16-24 OZ.
6	SPARE	SPARE	16-24 OZ.
7	0-10°	SNUB	16-24 OZ.

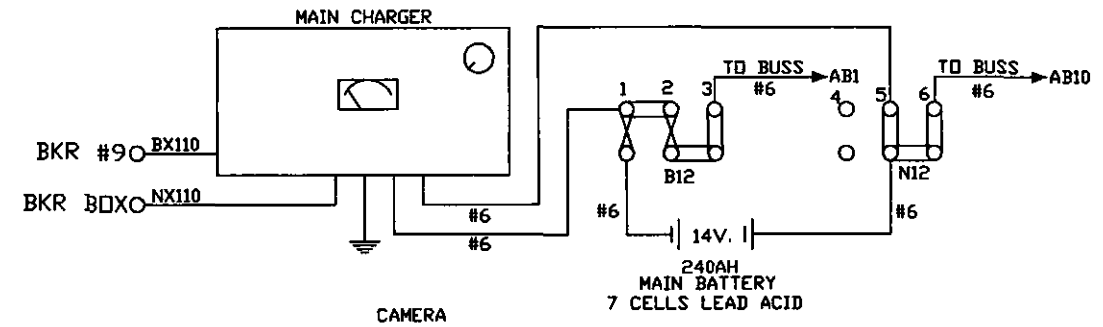
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NOTES:
 ALL WIRE ON THIS SHEET IS #10AWG UNLESS OTHERWISE NOTED.
 * = TEMPORARY 'GATE READY' JUMPER.

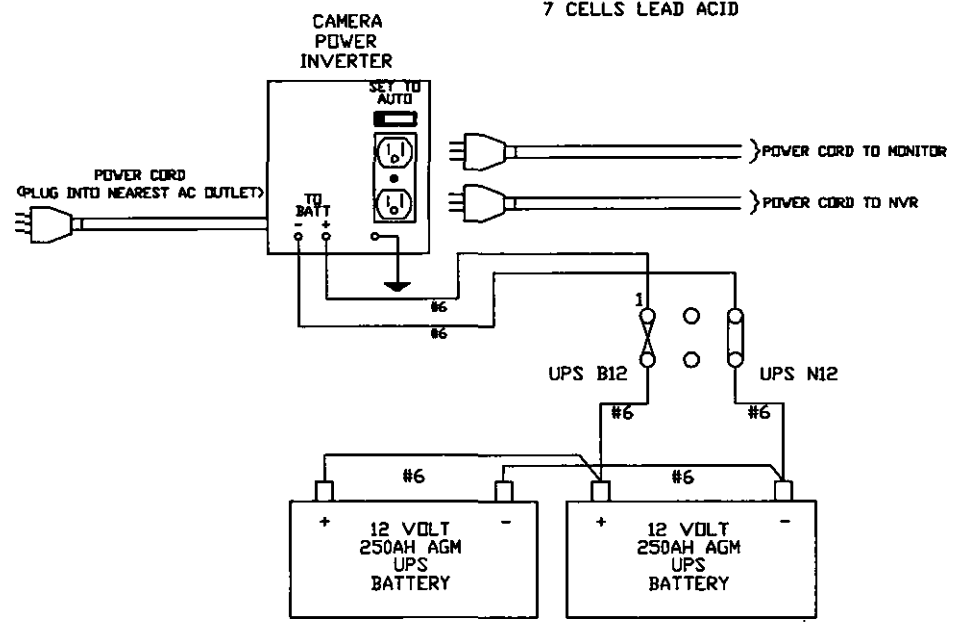
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	NORTH SHORE RAILROAD RAILROAD CROSSING WARNING DEVICES		
	SCALE: NONE DATE: 9/29/2019	APPROVED BY: _____	DRAWN BY: KDL REVISED:
	WALL STREET - DOT # 264 153H DANVILLE, MONTGOMERY COUNTY, PA		DRAWING NUMBER 201.03



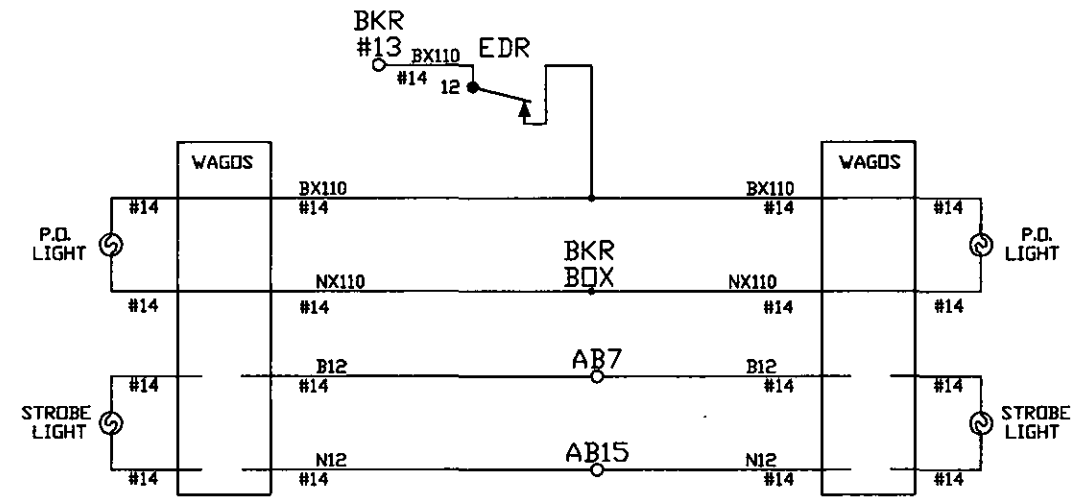
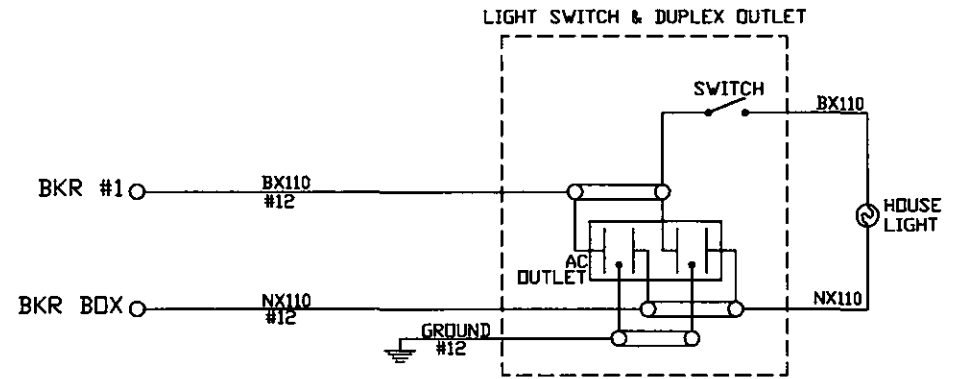
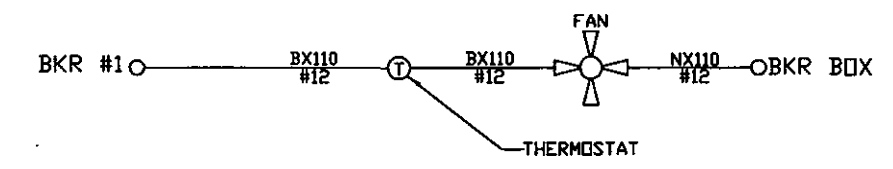
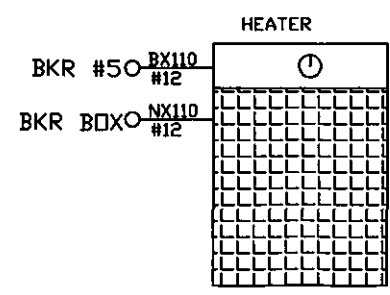
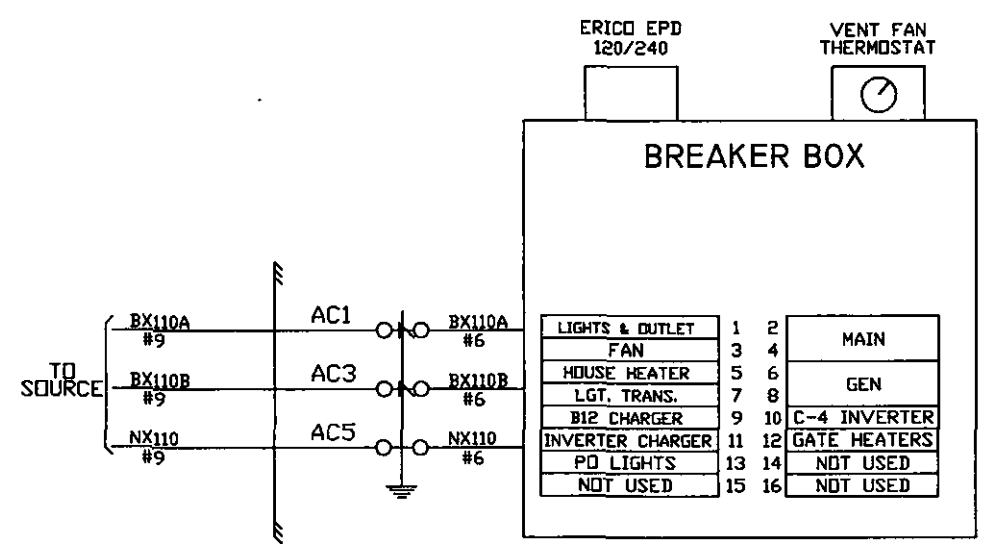
"BB"



"BB"



"CB"

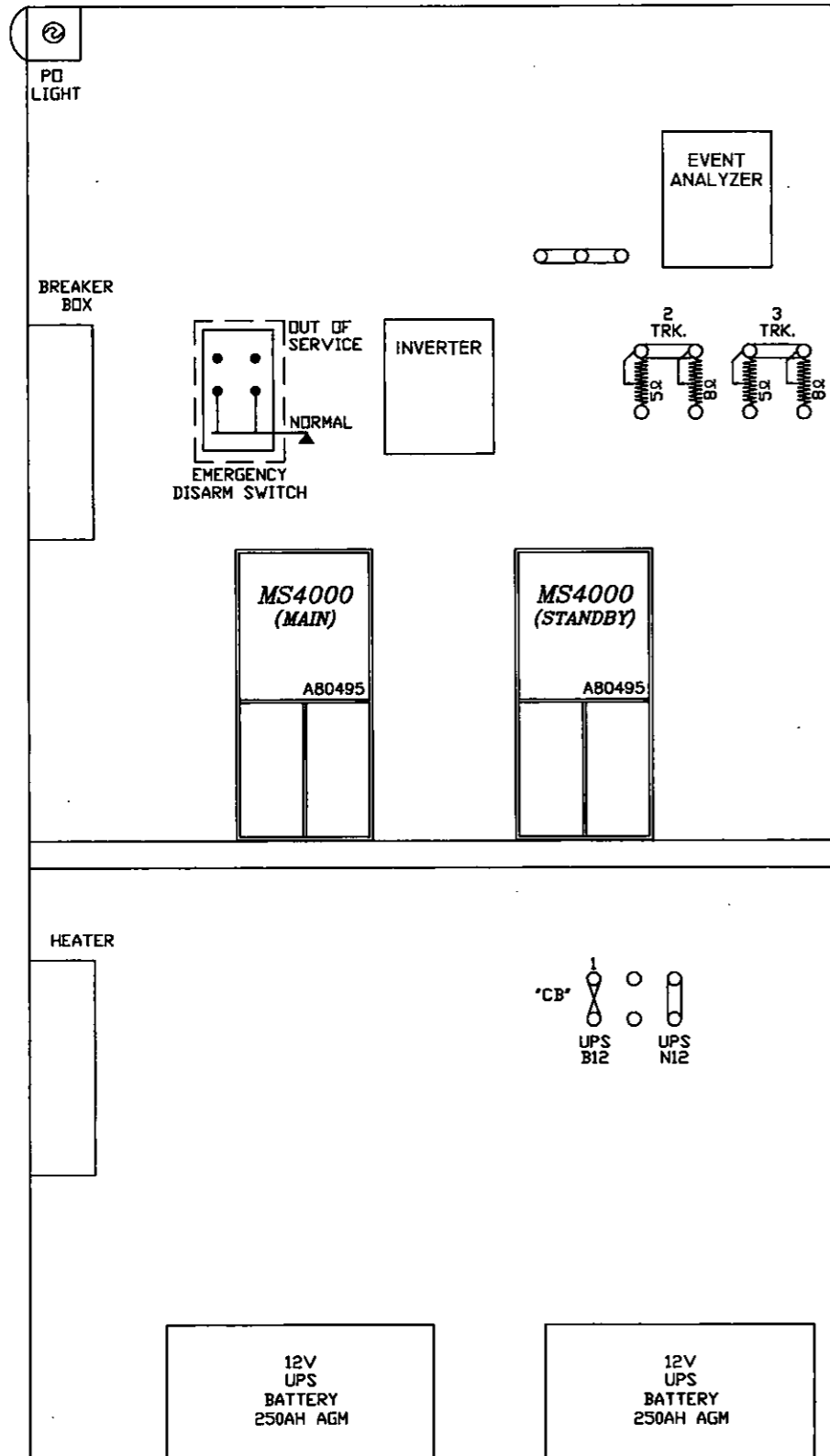


NOTE:
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UNLESS OTHERWISE NOTED.

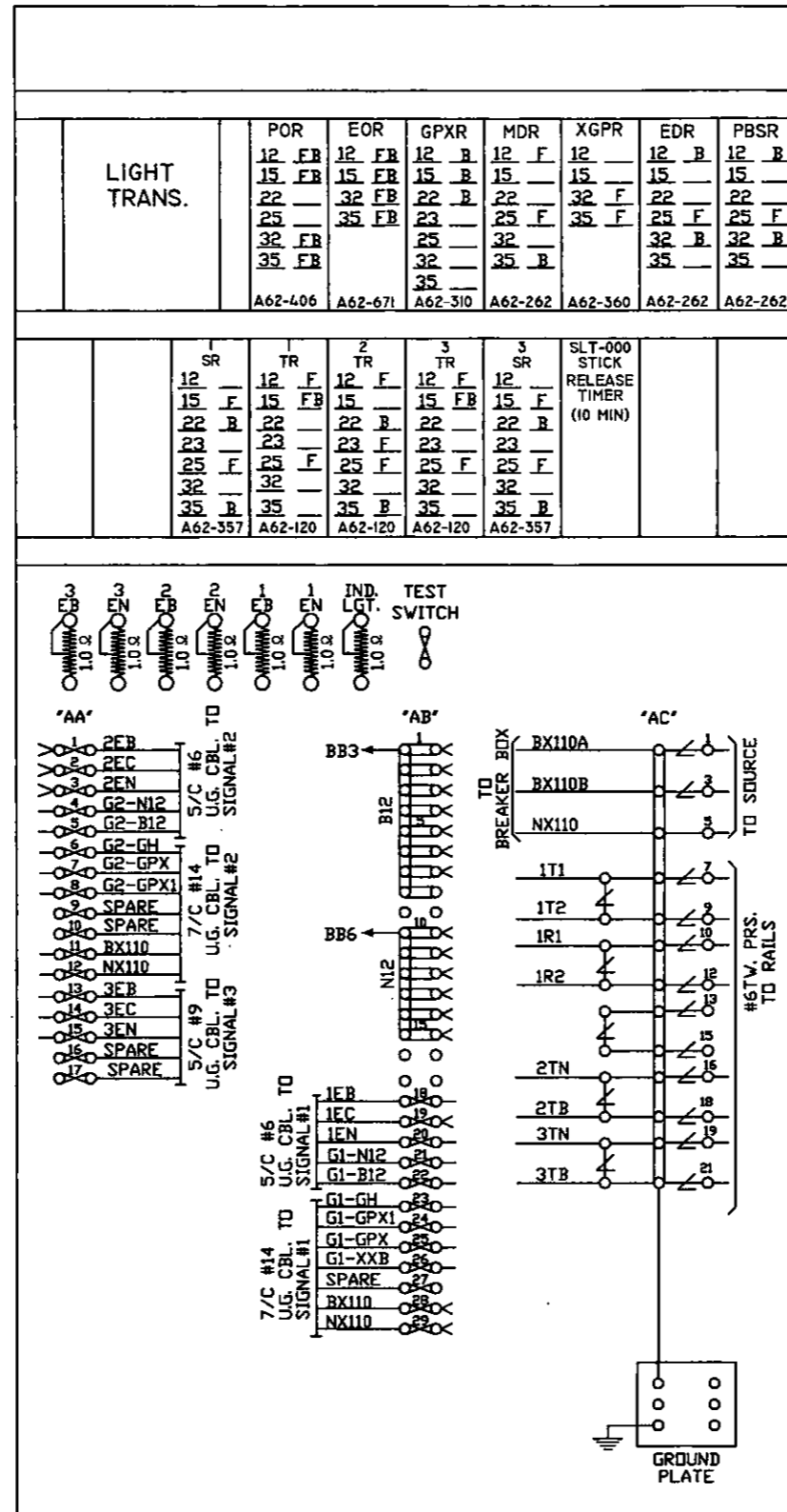
DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE 'D' SYKESVILLE, MD 21784	AS WIRED	AS INSTALLED	
	NORTH SHORE RAILROAD RAILROAD CROSSING WARNING DEVICES		
	SCALE: NONE	APPROVED BY:	DRAWN BY: KDL
	DATE: 9/29/2019		REVISED:
WALL STREET - DOT # 264 153H DANVILLE, MONTGOMERY COUNTY, PA			
CIRCUIT PLAN "F"		DRAWING NUMBER: 201.03	

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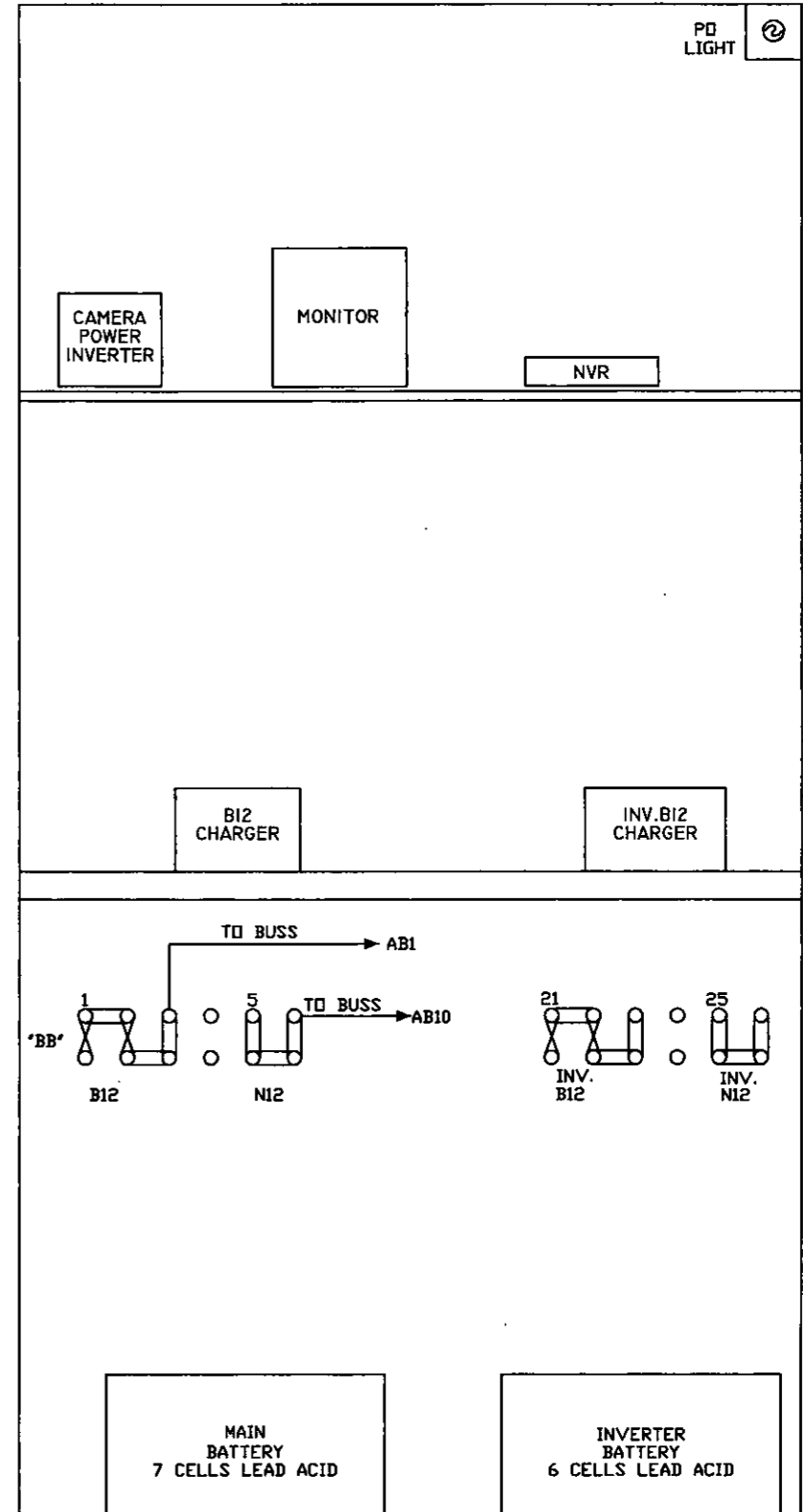
SIDE "C"



SIDE "A"



SIDE "B"



<p>DIAMONDBACK SIGNAL</p> <p>(410) 795-9601</p> <p>5965 EXCHANGE DRIVE</p> <p>SUITE "D"</p> <p>SYKESVILLE, MD 21784</p>	AS WIRED		AS INSTALLED	
	NORTH SHORE RAILROAD RAILROAD CROSSING WARNING DEVICES			
	SCALE: NONE	APPROVED BY:	DRAWN BY: KDL	
	DATE: 9/29/2019		REVISED:	
WALL STREET - DOT # 264 153H DANVILLE, MONTGOMERY COUNTY, PA				
RELAY HOUSE LAYOUT			DRAWING NUMBER 201.03	

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 § 5.14, by first class mail, postage prepaid:

Mr. Mark Chappell, P.E., Chief
PA Department of Transportation
Bureau of Design
Utilities and Right-of-Way Section
P.O. Box 3362
Harrisburg, Pennsylvania 17105-3362

Ms. Gina D'Alfonso, Assistant Counsel
PA Department of Transportation
Office of Chief Counsel
P.O. Box 3265
Harrisburg, Pennsylvania 17105-3265

Mr. Steve Betts
PA Department of Transportation
Engineering District 3-0 Utilities
715 Jordan Avenue
Montoursville, PA 17754

Mr. Ron Hull, PE
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

Mr. George Fury, Property Manager
SEDA COG Joint Rail Authority
201 Furnace Road
Lewisburg, PA 17837

Mr. Tom Avery, Director of Operations
North Shore Railroad Company
356 Priestly Avenue
Northumberland, PA 17857

Maryrose B. McCarthy, Chief Clerk
Northumberland County Commissioners
399 South Fifth Street
Sunbury, PA 17801

Holly Brandon, Chief Clerk
Montour County Commissioners
29 Mill Street
Danville, PA 17821

David Witchey, Chief Clerk
Columbia County Commissioners
11 West Main Street
Bloomsburg, PA 17815

Shannon Berkey, Borough Manager
Danville Borough
239 Mill Street
Danville, PA 17821

Casandra Mowery, Treasurer
Berwick Borough
344 Market Street
Berwick, PA 18603

Janice Bowman, Secretary
Northumberland Borough
175 Orange Street
Northumberland, PA 17857

Lauren Martz, Town Administrator
Town of Bloomsburg
301 East Second Street
Bloomsburg, PA 17815

Brittany Stasik, Secretary
Scott Township Supervisors
350 Tenny Street
Bloomsburg, PA 17815

Dale Sneiderman, Secretary
South Centre Township Supervisors
6260 4th Street
Bloomsburg, PA 17815

Lisa Fiamoncini, Clerk
Mount Carmel Township Supervisors
300 Laurel Street
Mount Carmel, PA 17851

Donald Phillips, Engineer
Service Electric Cable TV, Inc.
3662 Point Township Drive
Northumberland, PA 17857

Andrew Minnich, Staff Engineer
UGI Penn Natural Gas, Inc.
1 PEI Center
Wilkes Barre, PA 18711

Robert Jaworski, Engineer
Verizon of Pennsylvania
11 Ridge Road
Bloomsburg, PA 17815

Gloria Bobersky, Manager
Berwick Area Joint Sewer Authority
1108 Freas Avenue
Berwick, PA 18603

Jeremy Dietrick, Manager
Northumberland Sewer Authority
100 Water Street
Northumberland, PA 17857

Randy Wilkin, Engineer
Pennsylvania American Water Co.
306 West Front Street
Berwick, PA 18603

Charlotte Krupa, PennDOT Liasion
PPL Electric Utilities Corporation
Two North Ninth Street
GENN 3
Allentown, PA 18101

Tate Hunsinger, Engineer
Suez Water PA
90 Irondale Road
Bloomsburg, PA 17815

John Klinger, Engineer
AQUA Pennsylvania Incorporated
204 East Sunbury Street
Shamokin, PA 17872

We respectfully request the approval of these plans. Should you have any questions or concerns, please contact me.

Dated this 18th day of October 2019.



Kevin Lamb
(410) 795-9601

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OD: 12 1/2 x 9 1/2



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Suite D
Sykesville, MD 21784

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

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