



DIAMONDBACK SIGNAL

2018 MAR 28 AM 10: 57

PA PUC
SECRETARY'S BUREAU

March 24, 2018

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

In re: **A-2015-2471310** Application of the Commonwealth of Pennsylvania, Department of Transportation, for approval to alter the public at-grade crossing by the installation of new train activated automatic warning devices, flashing lights, gates, and circuitry where **S.R 0027**, crosses the single track of the **Oil Creek & Titusville Lines**, (DOT No. 505 674S) in Titusville, Crawford County; **All in accordance with the Federal Grade Crossing Program**; and the allocation of costs incident thereto.

Dear Rosemary Chiavetta:

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

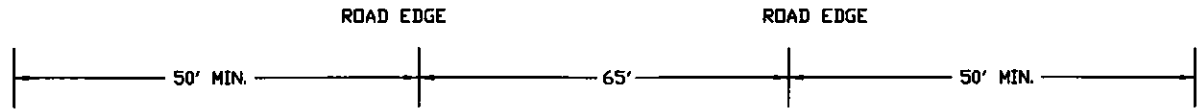
Diamondback Signal is sending this on behalf of the **Oil Creek & Titusville Lines**.

Sincerely,

Kevin Lamb
Vice President Engineering

Enclosures

WEST ← EAST →



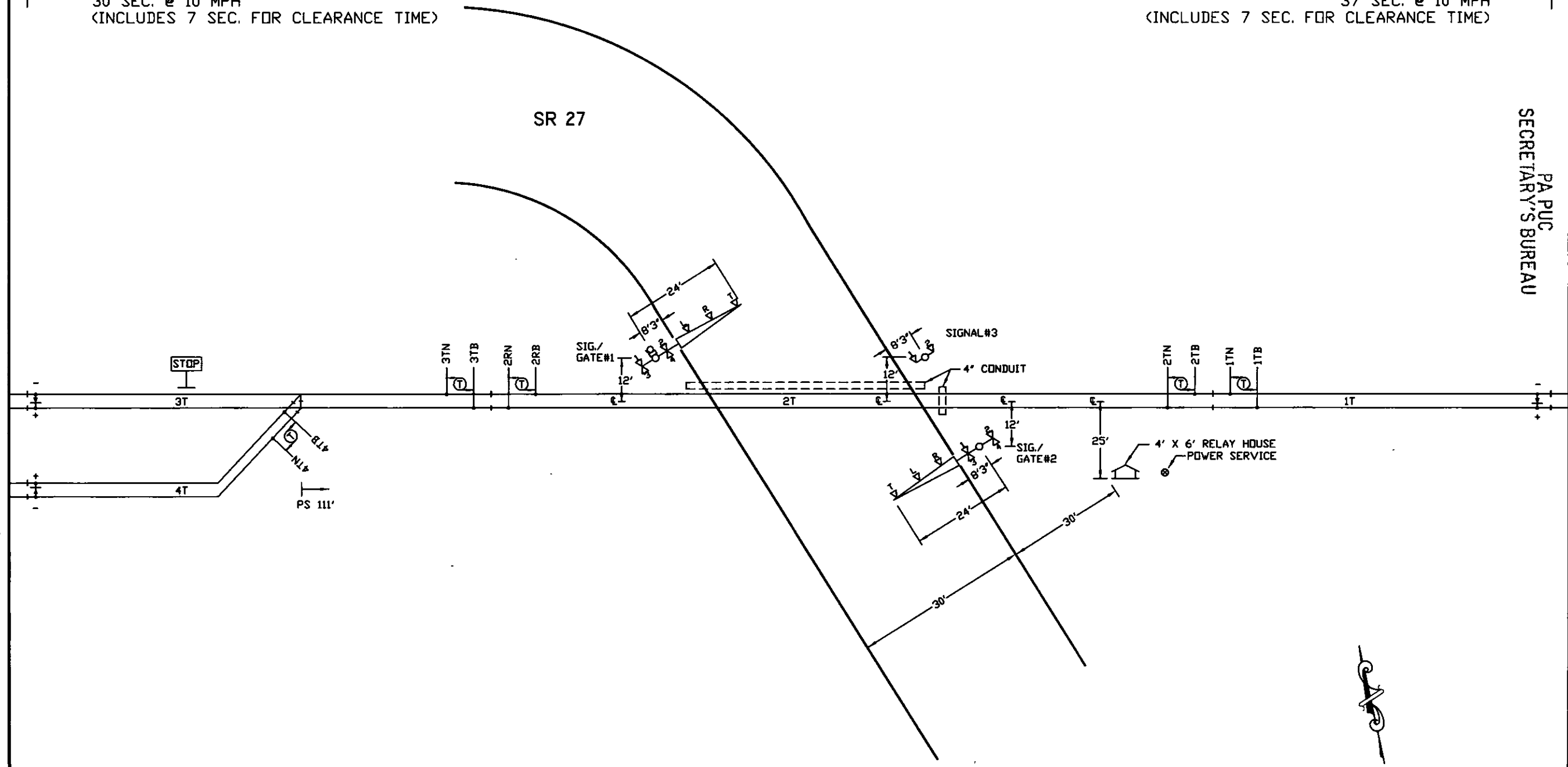
SR 27
START 543'
30 SEC. @ 10 MPH
(INCLUDES 7 SEC. FOR CLEARANCE TIME)

SR 27
START 543'
37 SEC. @ 10 MPH
(INCLUDES 7 SEC. FOR CLEARANCE TIME)

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NOTES:

- MATERIAL & INSTALLATION TO BE IN ACCORDANCE WITH MUTCD, STATE AND RAILROAD STANDARDS.
- ALL DIMENSIONS ARE APPROXIMATE AND MAY VARY DUE TO ACTUAL FIELD CONDITIONS.
- FLASHLIGHT SIGNALS & GATE LIGHTS TO BE LIGHT EMITTING DIODE ASSEMBLIES, (LED).
- Ⓣ DENOTES TWIST PAIR.

CABLE RUN TABULATION

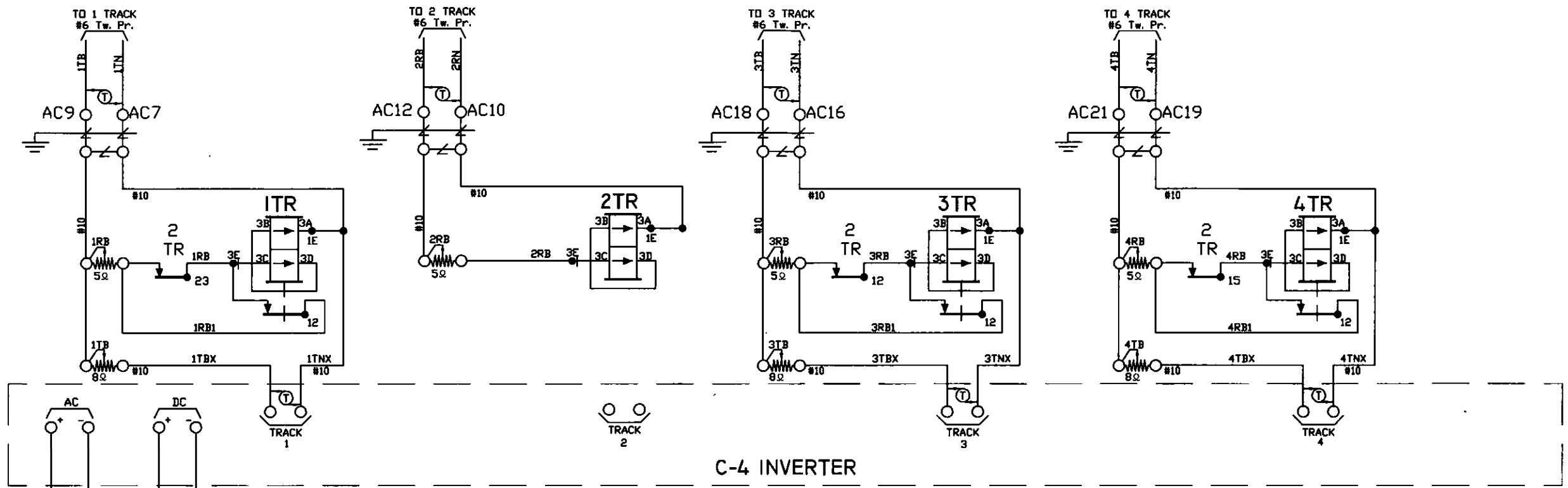
- HOUSE TO SIGNAL/GATE #1 - 5/C #6 UG CABLE
- HOUSE TO SIGNAL/GATE #1 - 7/C #14 UG CABLE
- HOUSE TO SIGNAL/GATE #2 - 5/C #6 UG CABLE
- HOUSE TO SIGNAL/GATE #2 - 7/C #14 UG CABLE
- HOUSE TO SIGNAL #3 - 5/C #6 UG CABLE
- HOUSE TO AC SERVICE - 3/C #9 UG CABLE
- HOUSE TO 1TN & 1TB - 2/C #6 TWISTED PAIR
- HOUSE TO 2TN & 2TB - 2/C #6 TWISTED PAIR
- HOUSE TO 2RN & 2RB - 2/C #6 TWISTED PAIR
- HOUSE TO 3TN & 3TB - 2/C #6 TWISTED PAIR
- HOUSE TO 4TN & 4TB - 2/C #6 TWISTED PAIR

<p>(410) 795-9601 5965 EXCHANGE DRIVE SUITE 'D' SYKESVILLE, MD 21784</p>	AS WIRED 11/13/2017	
	<p>OIL CREEK & TITUSVILLE RAILROAD RAILROAD CROSSING WARNING DEVICES</p>	
<p>SCALE: NONE</p>	<p>APPROVED BY:</p>	<p>DRAWN BY: ISIS</p>
<p>DATE: 03/13/2017</p>	<p>REVISED:</p>	
<p>SR 27 - DOT # 505 674S TITUSVILLE, CRAWFORD COUNTY, PA</p>		
<p>TRACK & CABLE PLAN</p>		<p>DRAWING NUMBER 2361</p>

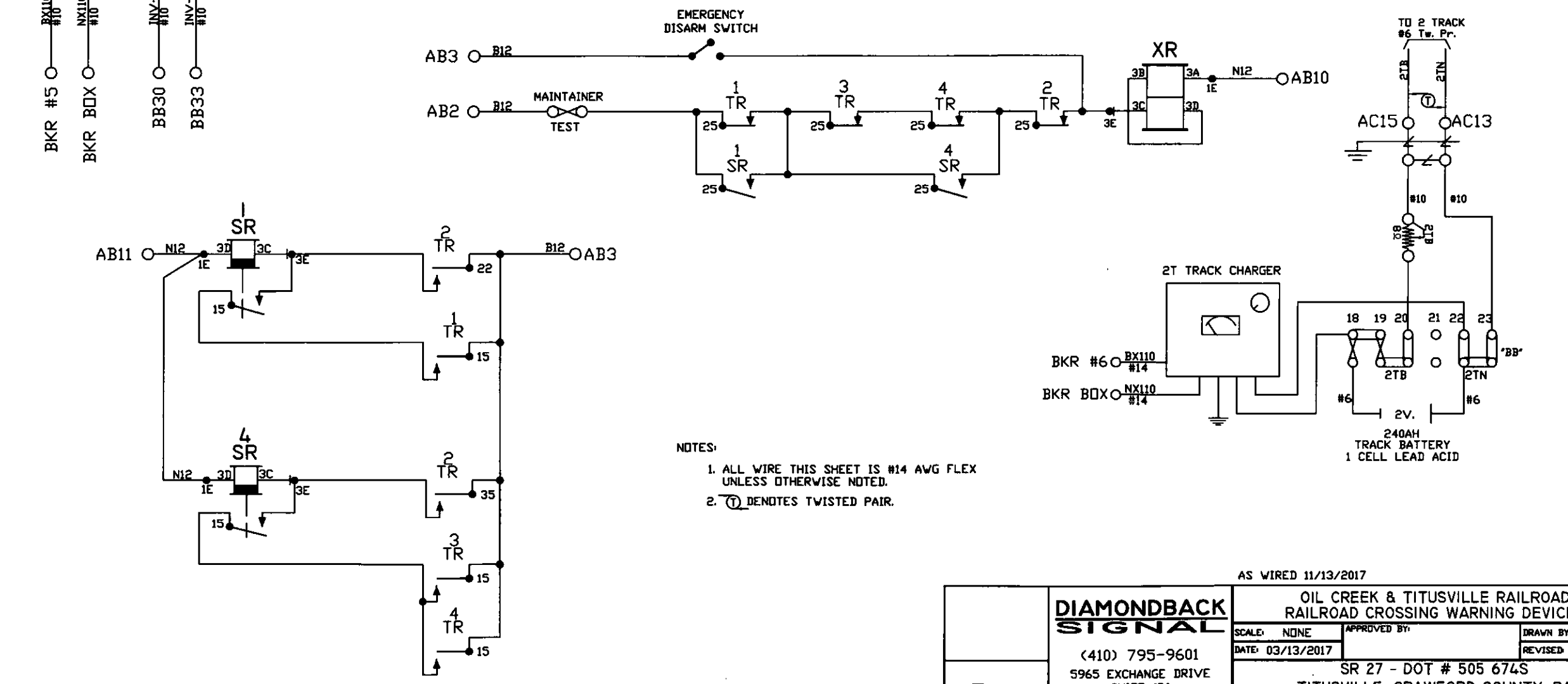
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C-4 INVERTER



- NOTES:
1. ALL WIRE THIS SHEET IS #14 AWG FLEX UNLESS OTHERWISE NOTED.
 2. (T) DENOTES TWISTED PAIR.

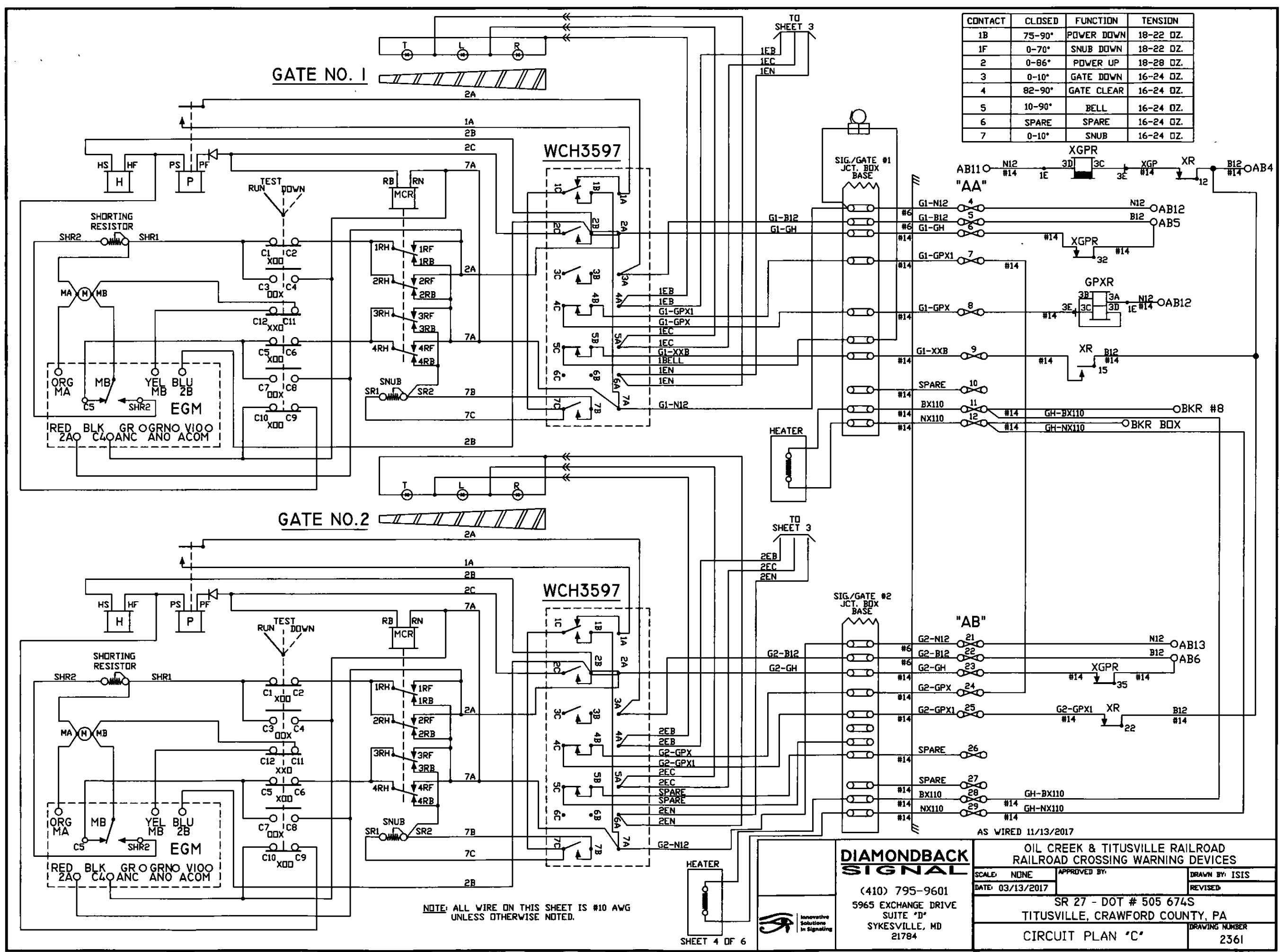
AS WIRED 11/13/2017

	OIL CREEK & TITUSVILLE RAILROAD RAILROAD CROSSING WARNING DEVICES		
	SCALE: NONE	APPROVED BY:	DRAWN BY: ISIS
(410) 795-9601 5965 EXCHANGE DRIVE SUITE 'D' SYKESVILLE, MD 21784	DATE: 03/13/2017	SR 27 - DOT # 505 674S TITUSVILLE, CRAWFORD COUNTY, PA	REVISED
		CIRCUIT PLAN 'A'	DRAWING NUMBER 2361

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.

GATE NO. 1

GATE NO. 2



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



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

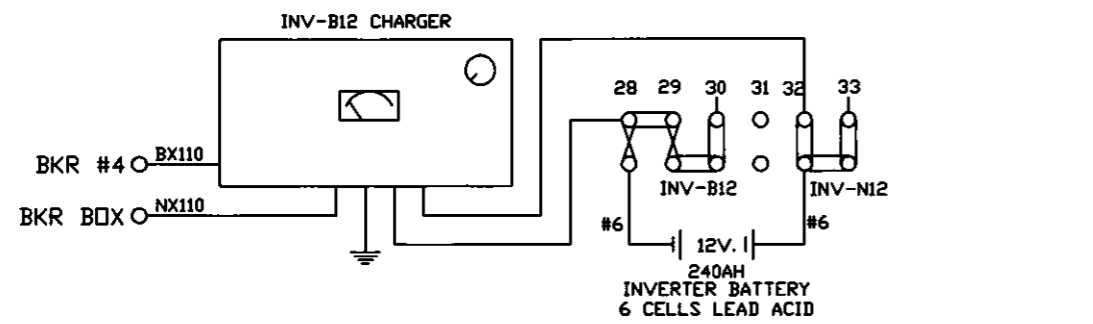
AS WIRED 11/13/2017

OIL CREEK & TITUSVILLE RAILROAD RAILROAD CROSSING WARNING DEVICES	
SCALE: NONE	APPROVED BY:
DATE: 03/13/2017	DRAWN BY: ISIS
SR 27 - DOT # 505 674S	
TITUSVILLE, CRAWFORD COUNTY, PA	
CIRCUIT PLAN 'C'	DRAWING NUMBER 2361

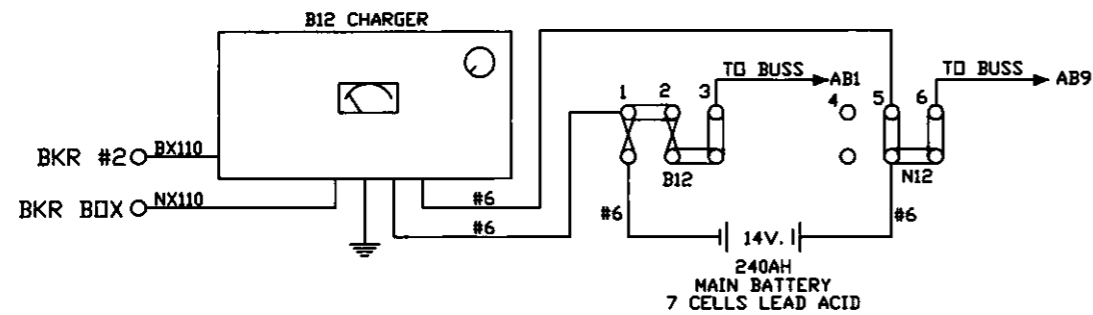
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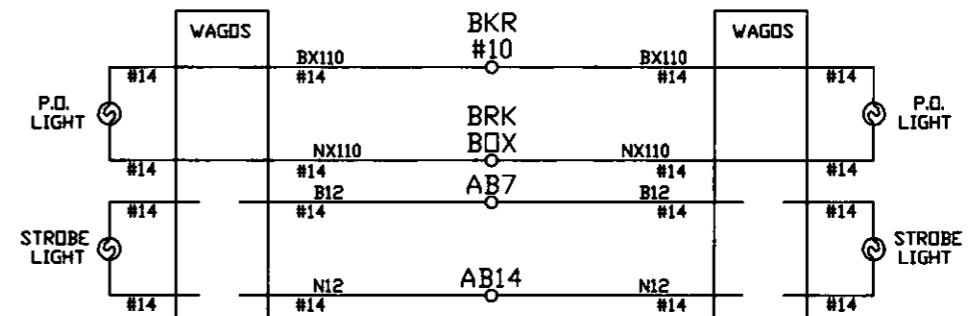
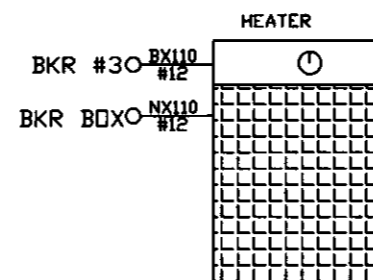
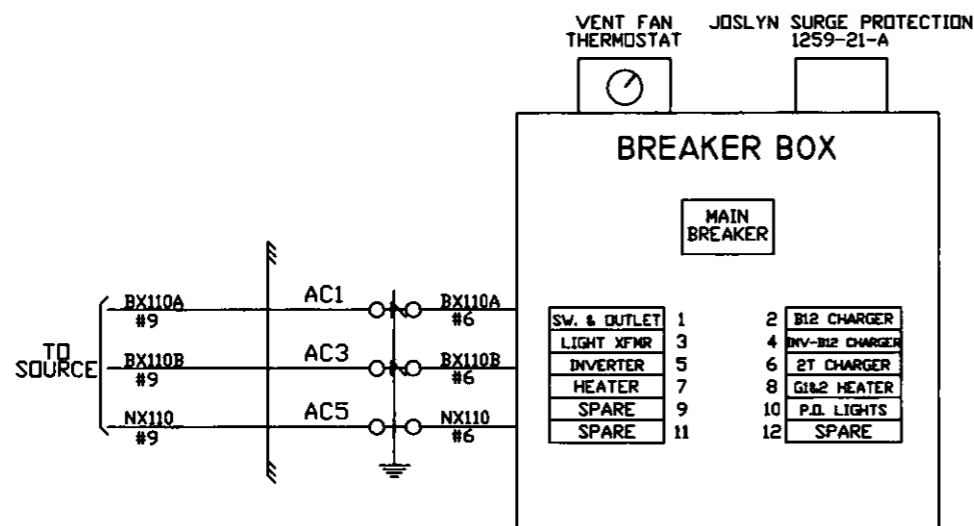
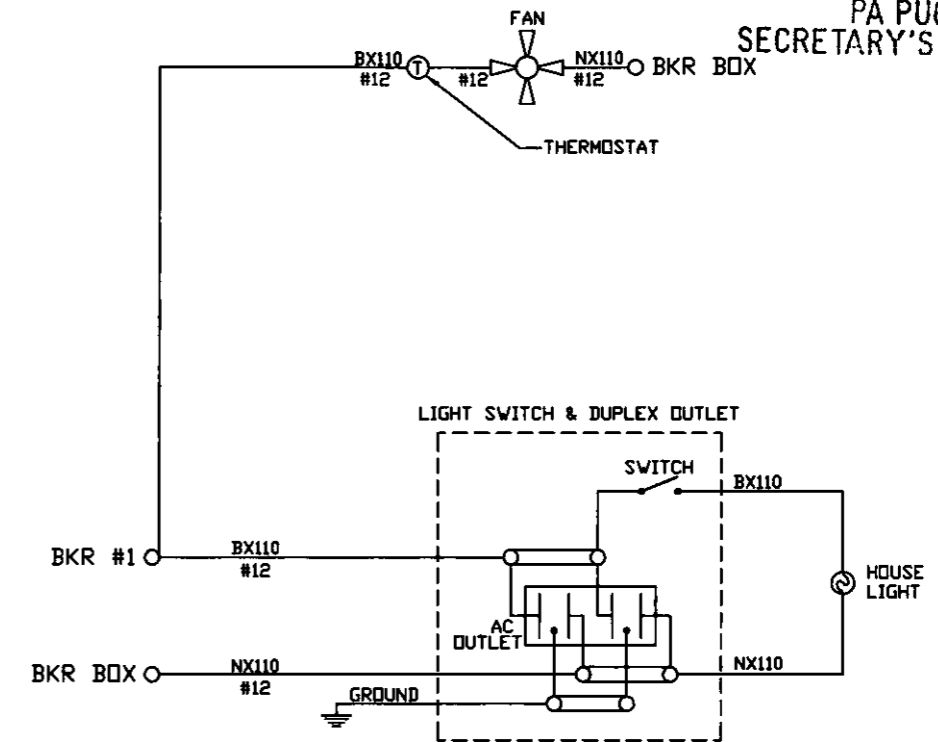
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"BB"



"BB"



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

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

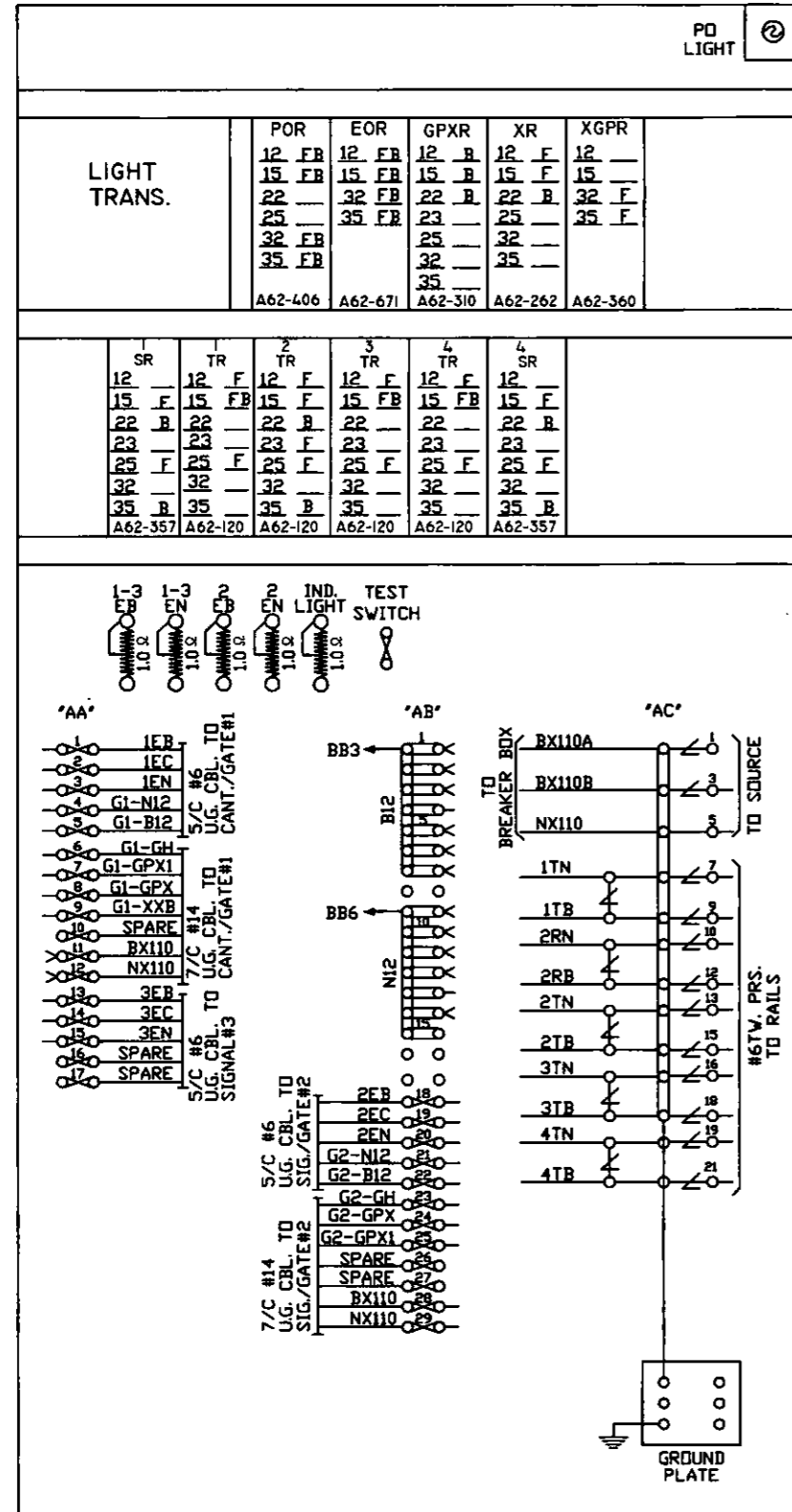
OIL CREEK & TITUSVILLE RAILROAD
RAILROAD CROSSING WARNING DEVICES

SCALE: NONE APPROVED BY: DRAWN BY: ISIS
DATE: 03/13/2017 REVISED:

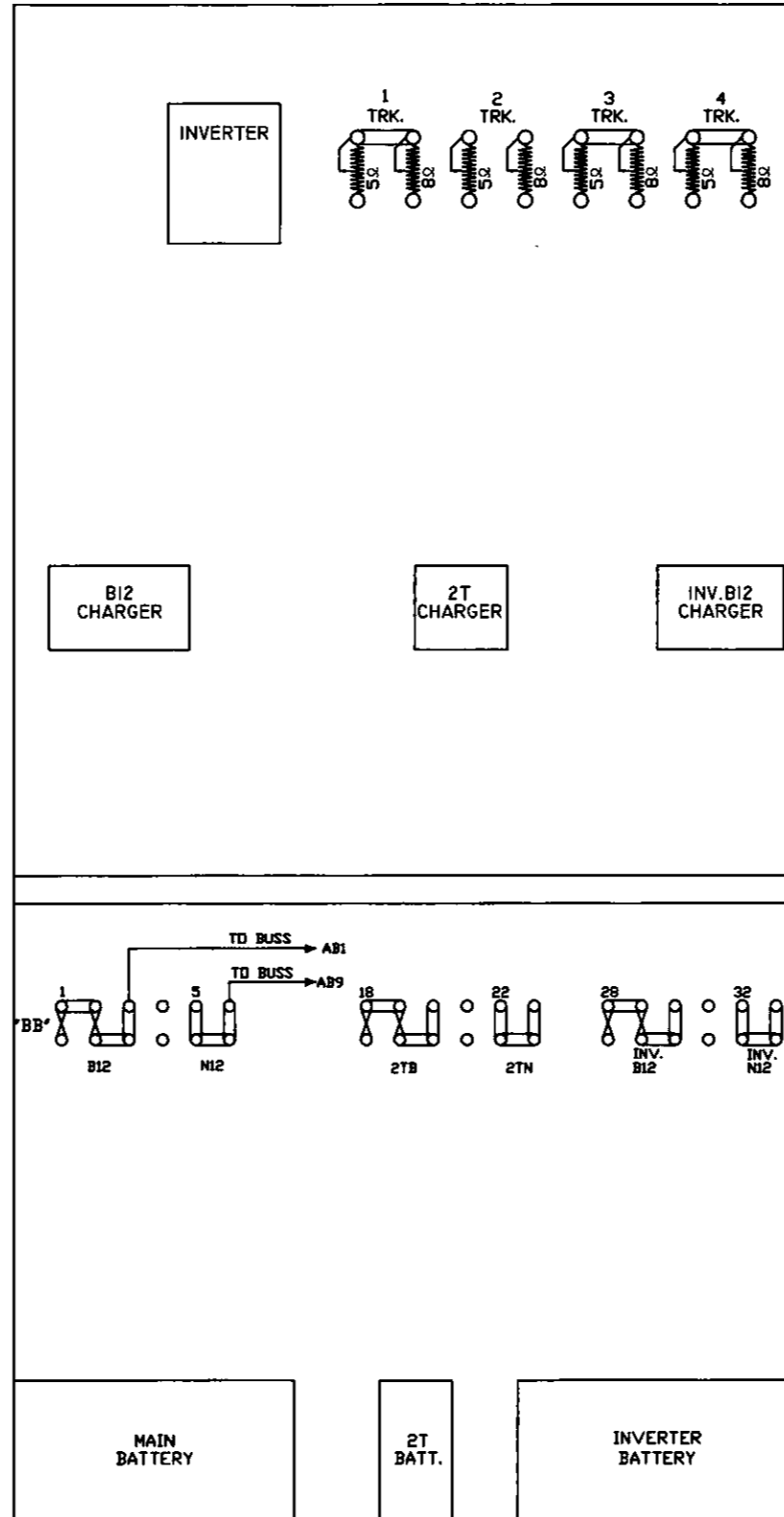
SR 27 - DOT # 505 674S
TITUSVILLE, CRAWFORD COUNTY, PA

CIRCUIT PLAN 'D' DRAWING NUMBER
2361

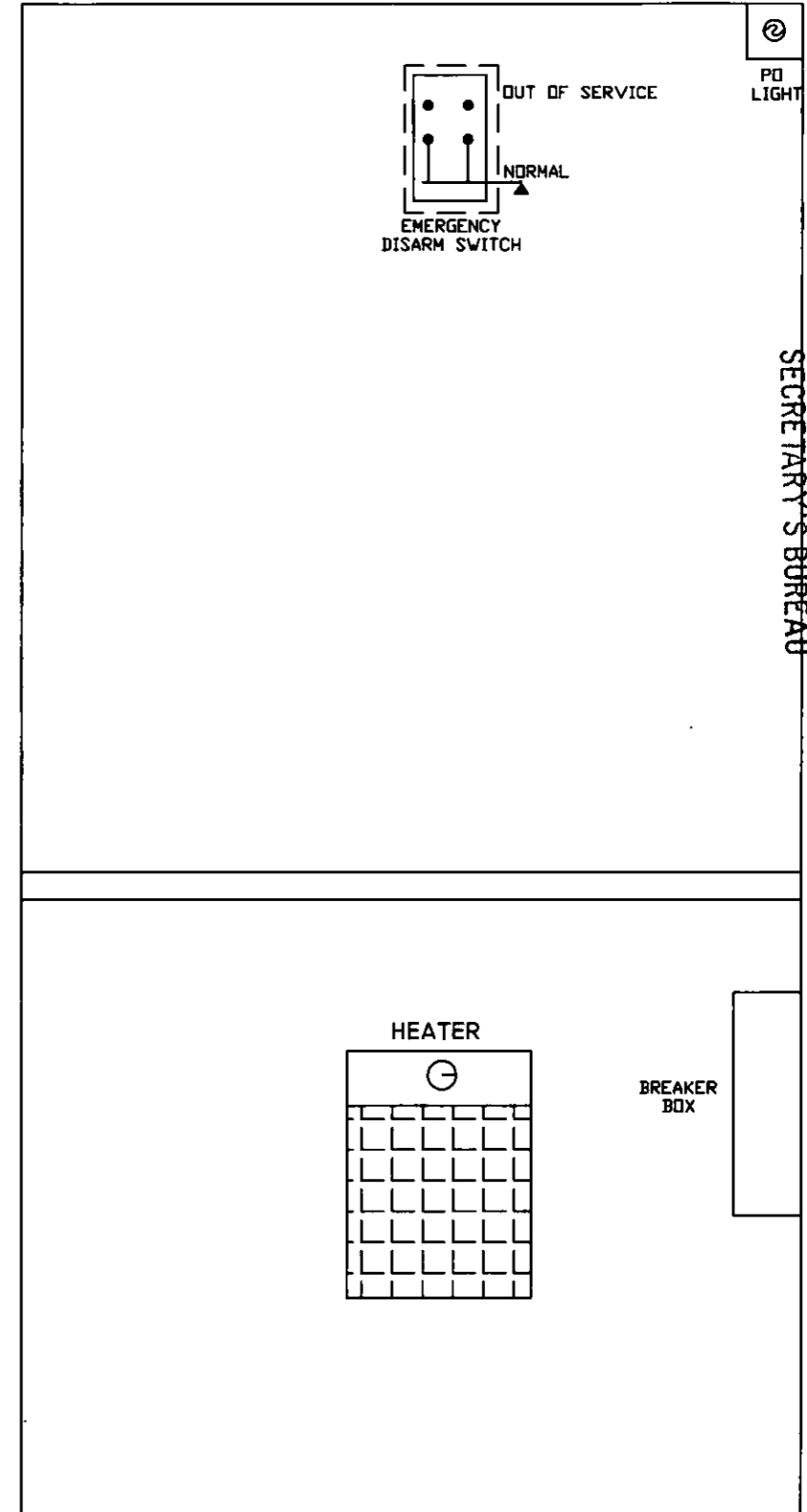
SIDE "A"



SIDE "B"



SIDE "C"



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 SUITE "D"
 SYKESVILLE, MD 21784

OIL CREEK & TITUSVILLE RAILROAD RAILROAD CROSSING WARNING DEVICES		
SCALE: NONE	APPROVED BY:	DRAWN BY: ISIS
DATE: 03/13/2017		REVISED:
SR 27 - DOT # 505 674S TITUSVILLE, CRAWFORD COUNTY, PA		
RELAY HOUSE LAYOUT	DRAWING NUMBER 2361	

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:

CERTIFICATE OF SERVICE

MARK CHAPPELL PE CHIEF
ROW & UTILITY DIVISION
PENNDOT BUREAU OF DESIGN
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HARRISBURG PA 17105-3362

GINA M D'ALFONSO ESQUIRE
PENNDOT
OFFICE OF CHIEF COUNSEL
PO BOX 8212
HARRISBURG PA 17105-8212

MICHAEL McMULLEN, PE
Assistant District Executive, District 1-0
Pennsylvania Department of Transportation
P.O. Box 398
Oil City, PA 16301

JEANETTE UHL
PENNDOT DISTRICT 1-0
255 ELM STREET
PO BOX 398
OIL CITY PA 16301

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

Mr. Robert Dingman, President
Oil Creek and Titusville Lines Railroad
50 Commercial Street
Gowanda, NY 14070

Francis Weiderspahn
County Commissioner, President
Crawford County Courthouse
903 Diamond Park
Meadville, PA 16335

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City of Titusville, Mayor
107 North Franklin Street
Titusville, PA 16354

Larry A. Manross
City of Titusville, Manager
107 North Franklin Street
Titusville, PA 16354

Sue Smith
Regional Planning Manager
395 Seneca Street
Oil City, PA 16301

Randall Nebel
Public Works
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Titusville, PA 16354

Matthew J. Tarr
Township Supervisor
11968 Campbell Road
Titusville, PA 16354

Mr. Matt Hovis
National Fuel Gas Corp.
1100 State Street
Erie, PA 16512

Mr. James Reynard
Northern Pipeline Company, LLC
10299 West Main Road
North East, PA 16428

Mr. Charles Vroman
Pennsylvania Electric Company
1600 West First Street
Oil City, PA 16301

Mr. Eric Rodrigues
Verizon North, LLC
20 East 10th Street
Erie, PA 16501

Mr. Mike Shuwerk
Armstrong Cable
160 Westview Drive
Meadville, PA 16335

Mr. Randy Spence
Enervest
107 North Franklin Street
Titusville, PA 16354

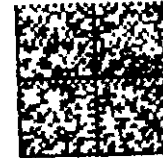
We respectfully request the approval of these plans. Should you have any questions or concerns, please contact me.

Dated this 24th day of March, 2018.

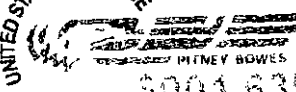


Kevin Lamb
(410) 795-9601

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Harrisburg, PA 17105-3265