

Memo

To: Docketing Division
From: Jill Henry, Rail Specialist, Rail Division
Cc: PUCO Legal Department
Date: 1/30/2019

Re: PUCO Case No. 19-267-RR-FED- In the Matter of a Request for the Installation of Lights and Gates at the Ashland Railway Grade Crossing, DOT# 264-970K, Piper Road in Richland County, Ohio.

On February 22, 2018, the Ohio Rail Development Commission (ORDC) authorized funding for Ashland Railway (ASRY) to install lights and gates at Piper Road (DOT#264-970K) in Richland County, Ohio. The crossing was surveyed on October 12, 2017 and was found to warrant the upgrade. The electric utility provider for this crossing is Ohio Edison- First Energy Corp.

The project will be paid for with federal funds and is actual cost. The plans and estimates for the project in the amount of \$169,155.10 have been approved. Construction may commence at once. **Staff requests a Finding & Order with completion of the project in nine months.** Staff requests that the following language be incorporated in the Finding & Order:

It is expected that all work necessary for FHWA acceptance of the warning devices will be completed by the in-service due date and that the railroad will be responsible for this work. This work includes, but is not limited to:

- Any ancillary work to make the warning devices function as designed and visible to the roadway user, and
- MUTCD compliance, including minor roadway work if necessary.

Please serve the following parties of record:

Ashland Railway
Scott Patsolic
Mgr. Training and Safety
803 North Main Street
Mansfield, OH 44902

Ohio Rail Development Commission
Cathy Stout
Manager, Grade Crossing Safety Section
1980 West Broad Street
Mail Stop #3140
Columbus, OH 43223

City of Mansfield
Robert Bianchi
City Engineer
30 North Diamond Street
Mansfield, OH 44902

Ohio Edison- First Energy Corp.

**OHIO RAIL DEVELOPMENT COMMISSION
INTER-OFFICE COMMUNICATION**

TO: Jill Henry, Rail Division Specialist, PUCO
FROM: Cathy Stout, Manager, Safety Section, ORDC
BY: Greg Gronbach, Project Manager, Safety Section, ORDC
SUBJECT: Richland County, Piper Rd, DOT# 264970K, PID# 107028
DATE: November 28, 2018

The Public Utilities Commission of Ohio (PUCO) established a diagnostic survey at the subject location on October 12, 2017. The Ohio Rail Development Commission (ORDC) attended the review. The Diagnostic Team recommended the improvement of warning devices to flashing lights and roadway gates. Copies of the diagnostic review form and the plan and estimate are attached.

PE has already been provided by the railroad. ORDC approves the site plans and estimates as provided. Please issue a construction-only order for the project outlined above. This authorization is made with the stipulation and understanding that an approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit.

It is expected that all work necessary for FHWA acceptance of the warning devices will be completed by the in-service due date and that the railroad will be responsible for this work. This work includes, but is not limited to:

- any ancillary work to make warning devices function as designed and visible to the roadway user, and
- MUTCD compliance – including minor roadway work if necessary.

Thank you for your assistance with these matters.


Greg Gronbach
Project Manager

Attachment: Diagnostic Review
Plan & Estimate

c: Jill Henry, PUCO
ORDC Project Manager (file)



OHIO RAIL DEVELOPMENT COMMISSION

Mail Stop #3140, 1980 West Broad Street, Columbus OH 43223

John R. Kasich, Governor • Mark Policinski, ORDC Chairman

November 28, 2018

Mr. Scott Patsolic
Mgr. Training and Safety
Ashland Railway
803 North Main St.
Mansfield, OH 44902

RE: Construction Authorization
Richland County, Piper Rd, DOT# 264970K, PID# 107028

Dear Mr. Patsolic:

The plan and estimate dated March 2018 emailed September 6, 2018, for the referenced project is acceptable. **Please note that the railroad must provide ORDC with a plan stamped by a professional engineer licensed in the State of Ohio prior to acceptance and close out of the project.** Ashland Railway may proceed with the construction of the proposed grade crossing warning system in accordance with the abbreviated plan. This authorization is made with the stipulation and understanding that the approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit. Reimbursement of eligible actual cost is limited to \$169,155.10. Additional costs must be approved in writing by the Ohio Rail Development Commission (ORDC) prior to being incurred. Emergency verbal authorizations by ORDC may be permitted and will be confirmed by ORDC in writing within ten (10) business days of the verbal approval.

This authorization is contingent upon Ashland Railway accepting the following instructions:

1. Ashland Railway's project foreman will furnish written notification five (5) working days prior to the date work will start at the project site to Greg Gronbach, ORDC, email Gregory.Gronbach@dot.ohio.gov, and to the Public Utilities Commission of Ohio at Jill.henry@puc.state.oh.us. Ashland Railway's project foreman will also notify the same of any stops and re-starts of the work activity and of the date work was completed for the project.
2. Ashland Railway will arrange for utilities to be located at the project site by the Ohio Utilities Protection Service (OUPS) prior to any construction activities at the site. Utilities that are not participating members of the service must be contacted directly by Ashland Railway.
3. Ashland Railway's project foremen will notify Greg Gronbach at 614-745-6760 (telephone) or Gregory.Gronbach@dot.ohio.gov (email) of any changes in the scope of



www.rail.ohio.gov

phone: 614.644.0306

IMPROVING RAIL TODAY FOR TOMORROW'S ECONOMY


work, cost overruns, material changes, etc. which are not included in the approved plan and estimate and secure approval of same before the work is performed.

4. Open cut of roadways is *not permitted* except in unusual circumstances and must be coordinated with the local highway authority and preapproved by ORDC.
5. Ashland Railway will furnish two (2) copies of each partial bill to ORDC. Please find the enclosed ODOT Purchase Order to reference when billing.
6. Ashland Railway will furnish two (2) copies of the final all-inclusive bill to ORDC stating the exact dates of starting and completing work, the initial and final dates of construction and location where the accounts may be audited.
7. This installation will include any ancillary work to make the warning devices function as designed and meet MUTCD.

This project is authorized for construction under the master agreement between Ohio Rail Development Commission, Public Utilities Commission of Ohio.

Thank you for your assistance with these matters.

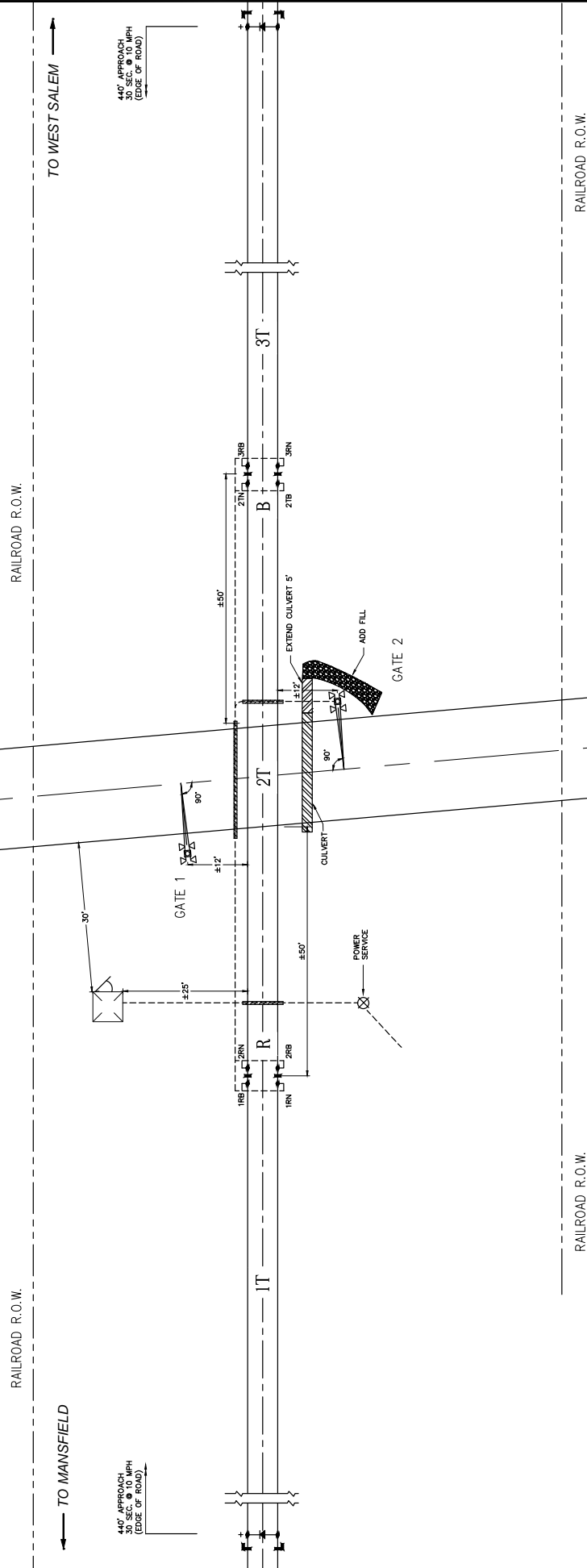
Sincerely,


Greg Gronbach
Project Manager

C: Jill Henry, Rail Division Specialist, PUCO
Heather Hamilton, ORDC
ORDC (file)

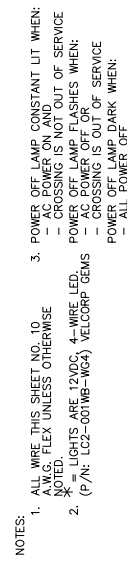


Ohio Utilities Protection Service
Call 811
before you dig



- NOTES:
1. THE INSTALLATION OF THIS WARNING SYSTEM SHALL BE IN ACCORDANCE WITH THE US DOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, OR AS ORDERED BY THE OHO PUC.
 2. CROSSING ACTIVATED BY AC/DC CIRCUITS USING ALSTOM SXO-1 CONTROLLER WITH DC ISLAND CIRCUIT.
 3. ALL SIGNAL HEADS TO BE 12 INCH LED TYPE.
 4. BELLS TO BE WESTERN CULLEN HAYES 0333-ARP-5 SIDE OF MAINT. POSITION.
 5. GATE MOTOR 3594-Z TYPE.

[illegible]



- NOTES:
1. ALL WIRE THIS SHEET NO. 10
A.W.G. FLEX UNLESS OTHERWISE
NOTED.
 2. * = LIGHTS ARE 12VDC, 4-WIRE LED.
(P/N: LC2-001WB-WG4) VELCORP GEN

[illegible]

ASHLAND
RAILWAY

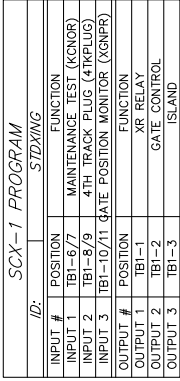
ASHLAND RAILWAY
6055 KELLERS CHURCH RD
PIPERSVILLE, PA 18947

GRADE CROSSING WARNING SIGNALS LAYOUT	PIPER RD. MANSFIELD, OH
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Drawing No.

BC-1

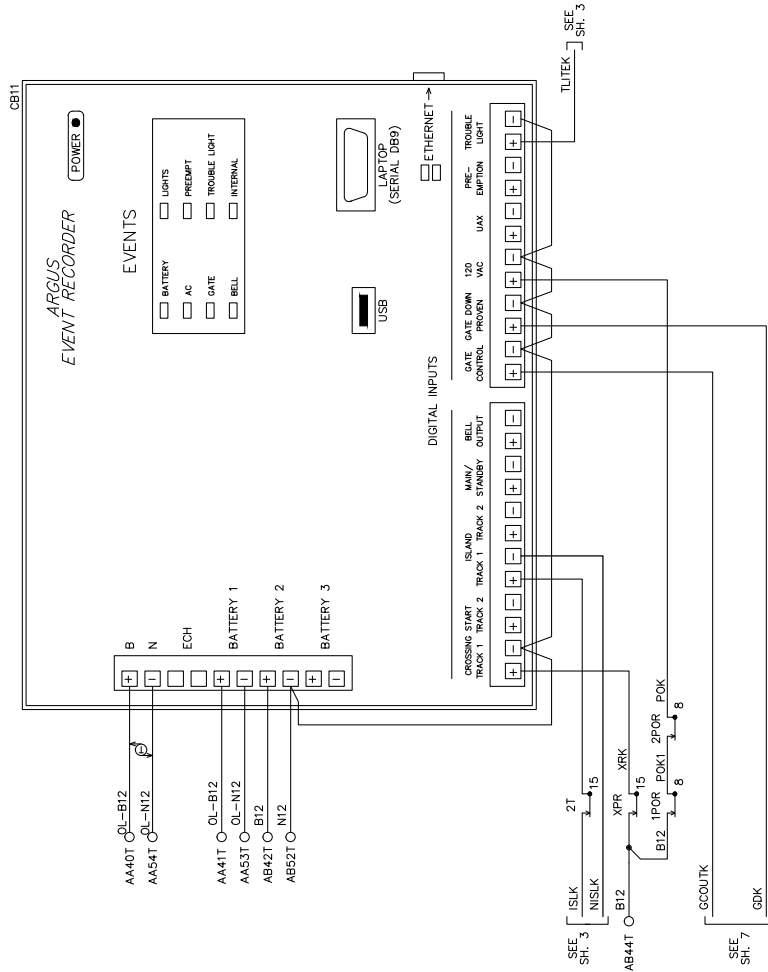
SHEET 2 OF 11



NOTES:

1. ALL WIRE THIS SHEET NO. 10 A.W.G. FLEX UNLESS OTHERWISE NOTED.
2. $\leftarrow \textcircled{1} \rightarrow$ DENOTES TWISTED PAIR.

[illegible]



INDICATOR LED CONFIGURATION		
LED	ALARM NUMBERS	DESIGNATOR
IO1	16	BATTERY
IO2	5	AC
IO3	9, 70	GATE
IO4	16	BELL
IO5	13, 71, 72	LIGHTS
IO6	22	PREMPT
IO7	1	TROUBLE LIGHT
IO8	7	INTERNAL

APPLICATION CONFIGURATION
INFORMATION DIGITAL INPUTS
9V914-A01L

INPUT NO.	INPUT NAME	ENERGIZED	DE-ENERGIZED
1	XR1	UP	DOWN
2	XR2	UP	DOWN
3	ISL1	UP	DOWN
4	ISL2	UP	DOWN
5	M/S	STANDBY	MAIN
6	BELL OUT	ON	OFF
7	GCOUT	ON	OFF
8	GDP	ON	OFF
9	120 VAC	ON	OFF
10	UAX	UP	DOWN
11	PREMPT	ON	OFF
12	TLITE	ON	OFF

- NOTES:
- LEDS ARE ON (RED) WHEN NO ALARM HAS BEEN GENERATED OR AN ALARM HAS BEEN CLEARED USING THE CLEAR ALARM KEY.
 - LEDS FLASH FAST WHEN AN ALARM CONDITION EXIST.
 - LEDS FLASH SLOW IF AN ALARM HAS OCCURRED BUT IS CURRENTLY CLEARED.
 - THE CLEAR ALARM KEY WILL NOT CLEAR OUT ALARMS IF THEY CURRENTLY EXIST.
 - ALL WIRE THIS SHEET #14 A.W.G. FLEX UNLESS OTHERWISE NOTED. RECORDER JUMPERS MAY BE #22 AWG.
 - ↺↻ DENOTES TWISTED PAIR.

 11 ROSE TERRACE SARATOGA SPRINGS, NY 12066 (518) 442-7347 www.saratogarailroad.com	Drawing No.		DR-1	
	GRADE CROSSING WARNING SIGNALS LAYOUT		PIPER RD. MANSFIELD, OH	
	ASHLAND RAILWAY 6055 KELLERS CHURCH RD PIPERSVILLE, PA 18947		SCALE: NONE DATE: MAR 2018 SHEET 4 OF 11	



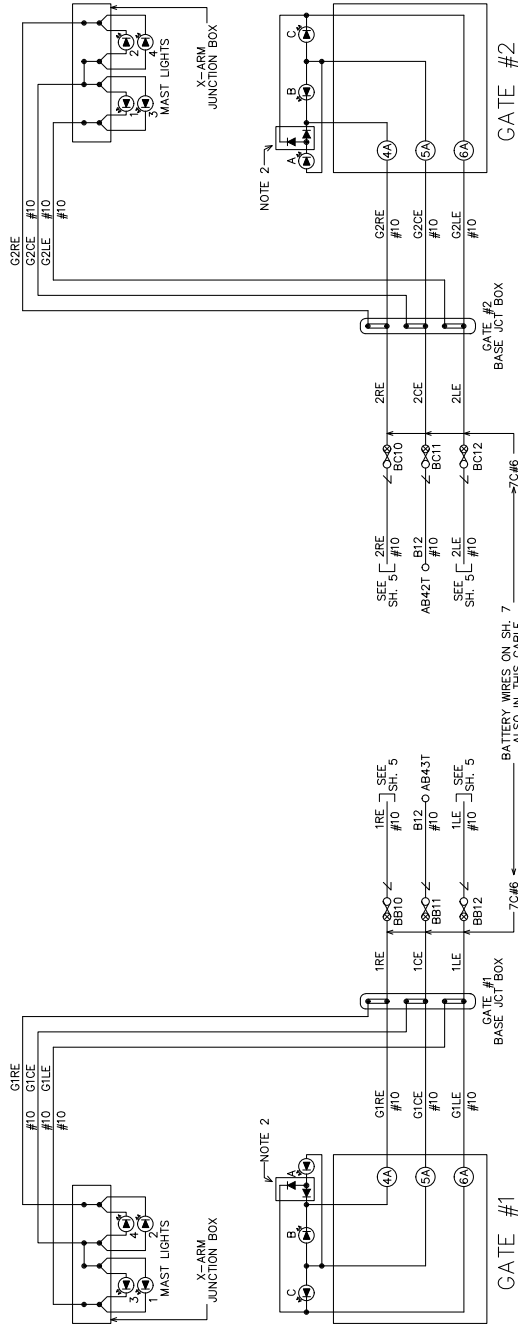
11 ROSE TERRACE
SARATOGA SPRINGS, NY 12866
(516) 424-6734
saratoga@saratogairailroad.com
www.saratogairailroad.com

SARATOGA RAILROAD ENGINEERING PC

ASHLAND RAILWAY
6055 KELLERS CHURCH RD.
PIPERSVILLE, PA 18947

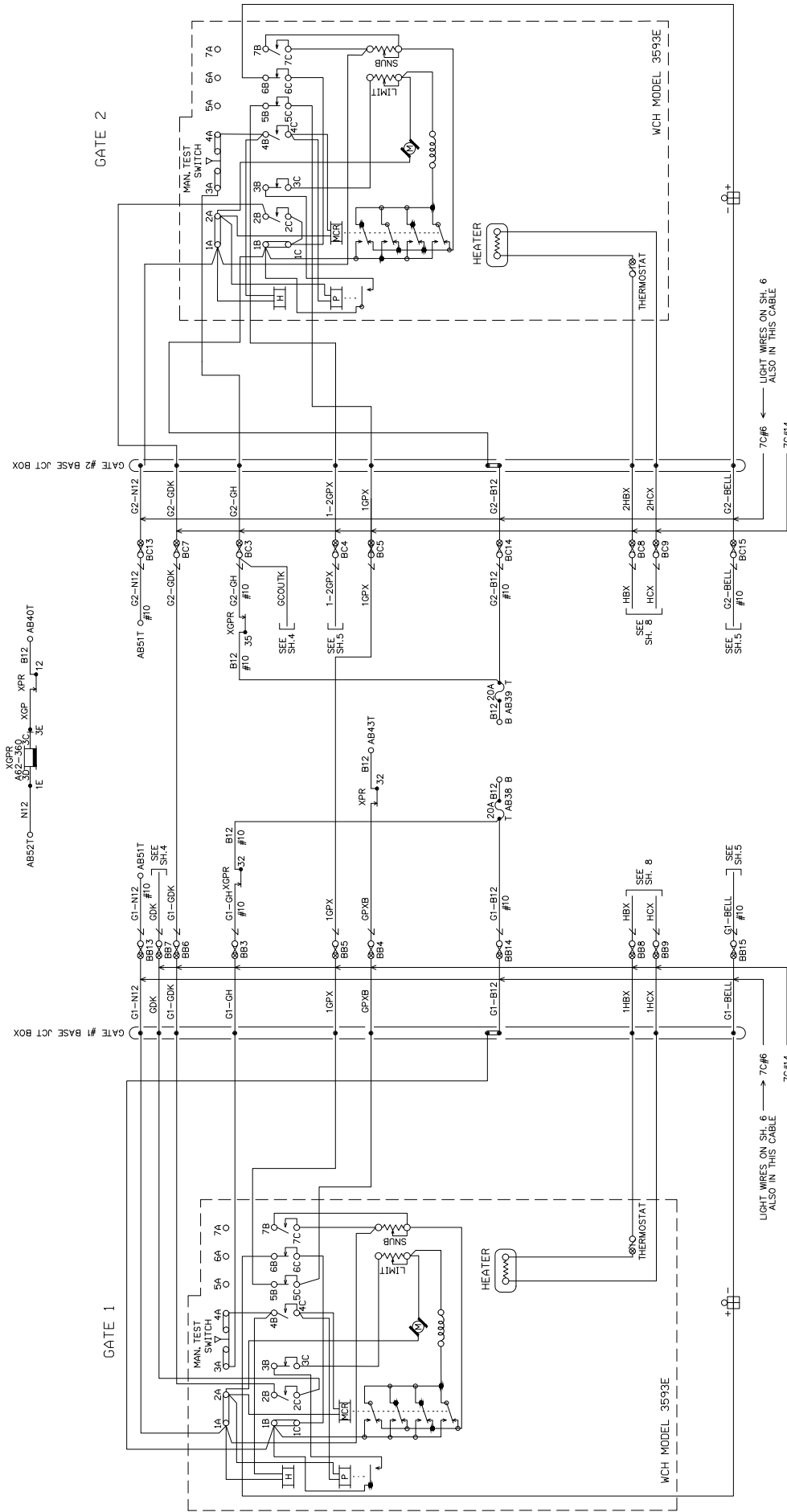
GRADE CROSSING WARNING SIGNALS LAYOUT	
PIPER RD. MANSFIELD, OH	
SCALE: NONE	DATE: MAR 2018

Drawing No.	XL-1	SHEET 5 OF 11
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- NOTES:
- 1) ALL WIRE THIS SHEET NO. 14
A.W.G. FLEX UNLESS OTHERWISE
NOTED.
 - 2) SET-CS P/N 076045-300 FOR USE
WITH REGO EZLED LAMPS AND
PLUG CABLES.
 - 3) GATE LIGHTS TO BE HARD WIRED,
(NO PLUG COUPLER TYPE LIGHTS).

<div> <div>  <div> 11 ROSE TERRACE SARATOGA SPRINGS, NY 12066 (518) 484-7347 www.saratogarailroad.com </div> </div> <div>  </div> <div> <div>Ashland Railway</div> <div>005 KELLERS CHURCH RD PIPERSVILLE, PA 18947</div> </div> </div>	GRADE CROSSING WARNING SIGNALS LAYOUT		Drawing No.
	FL-1		
	SCALE: NONE DATE: MAR 2018		SHEET 6 OF 11

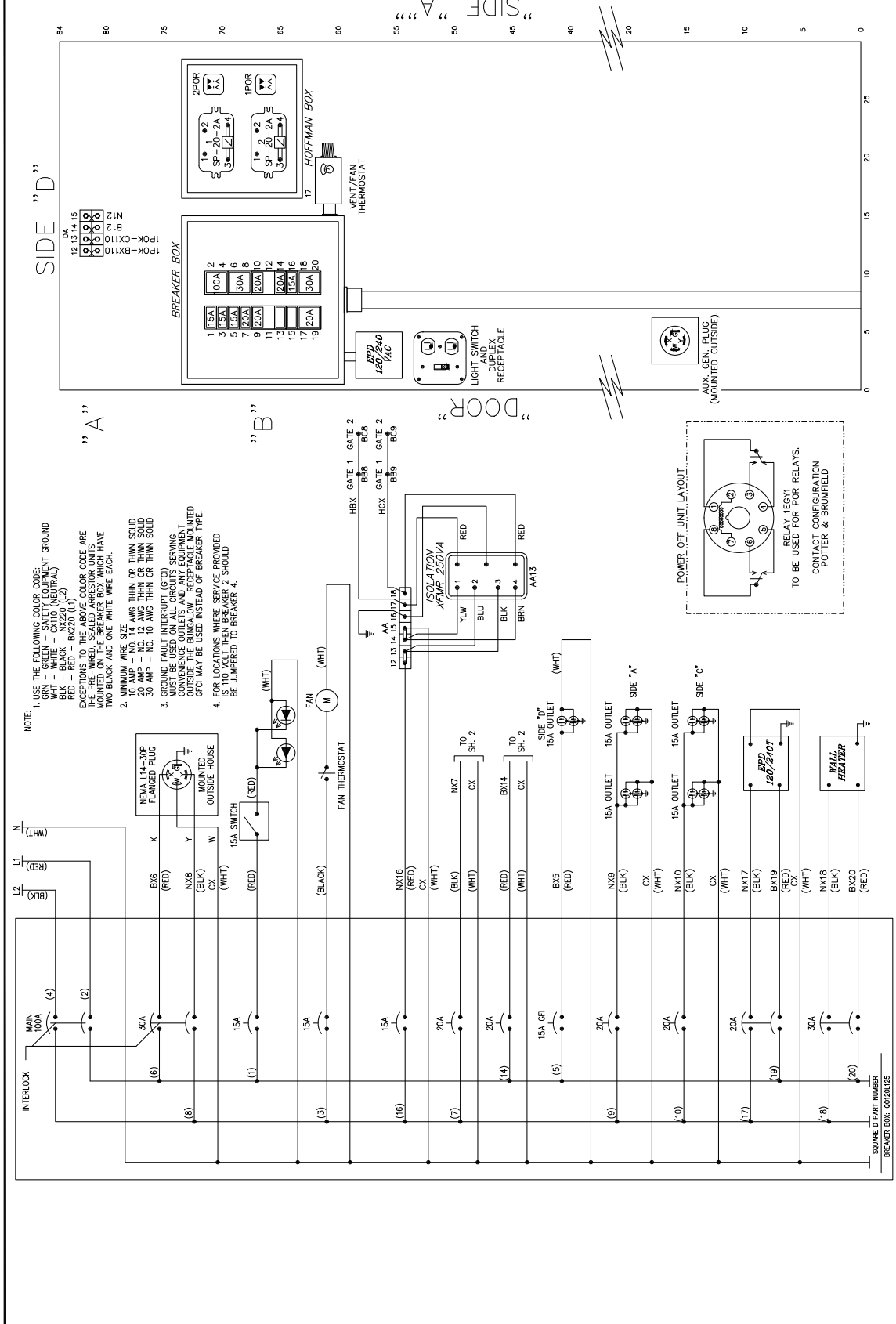


WESTERN-CULLEN-HAYES MODEL 3593E

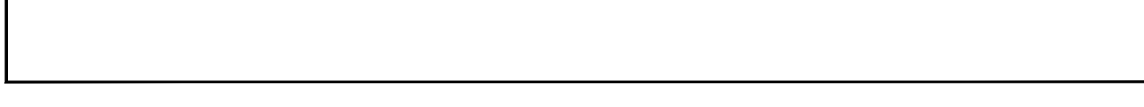
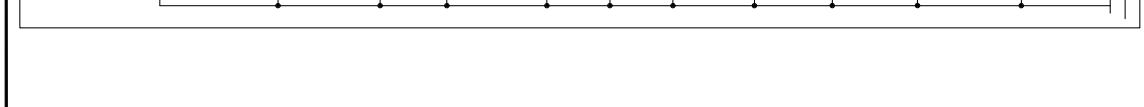
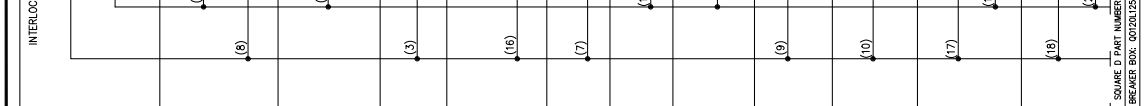
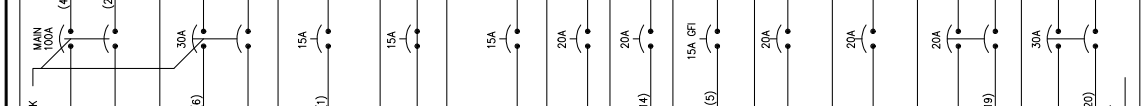
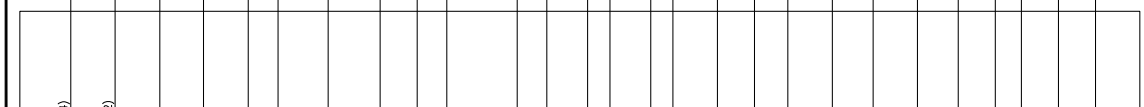
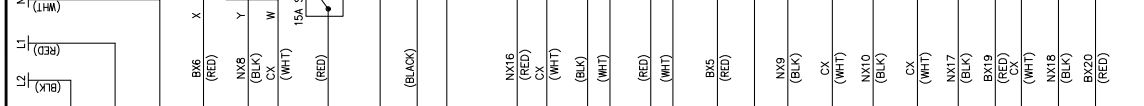
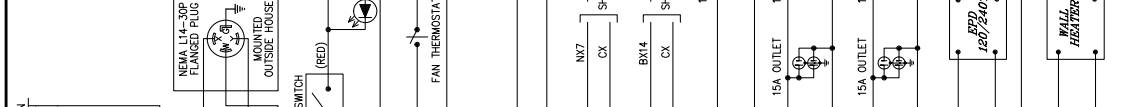
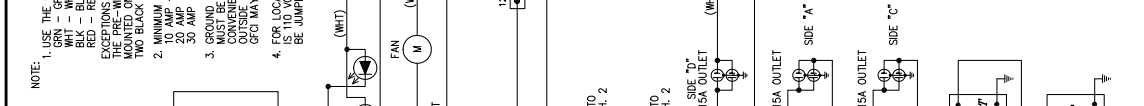
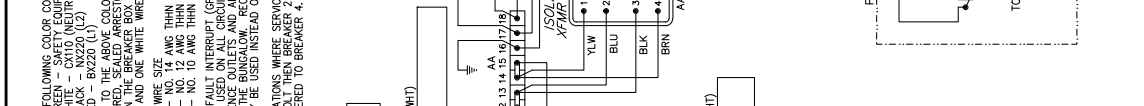
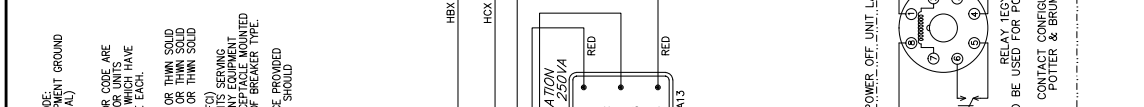
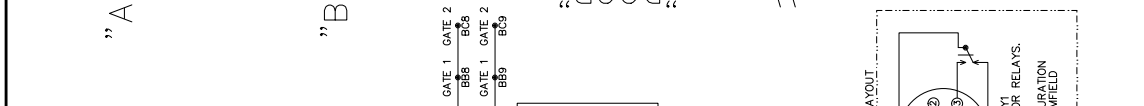
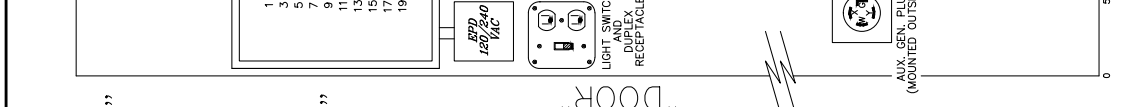
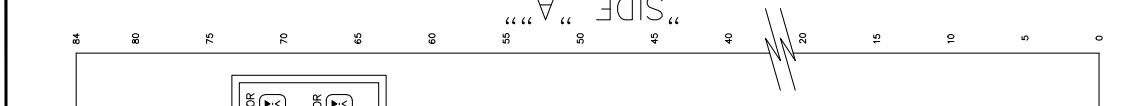
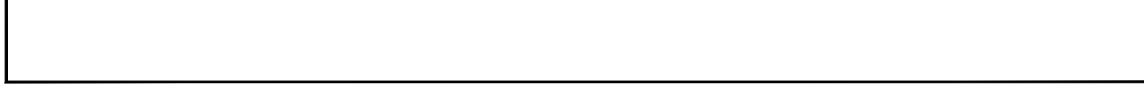
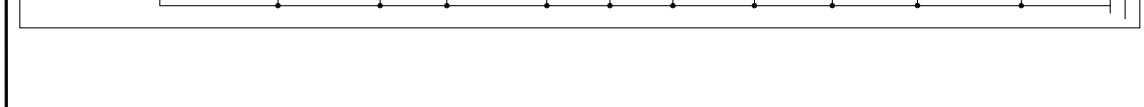
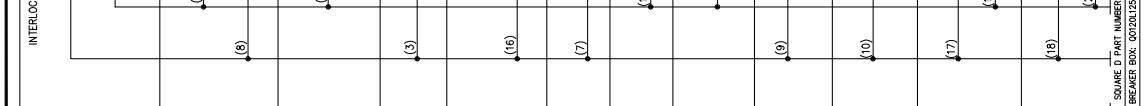
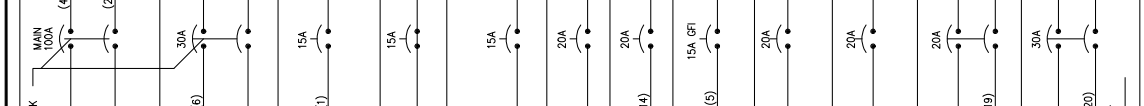
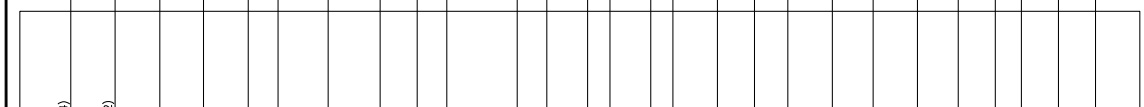
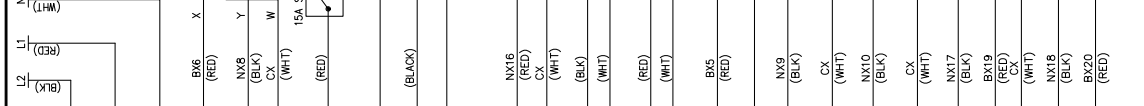
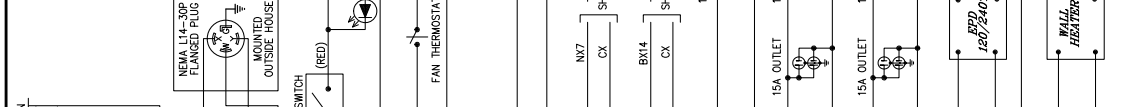
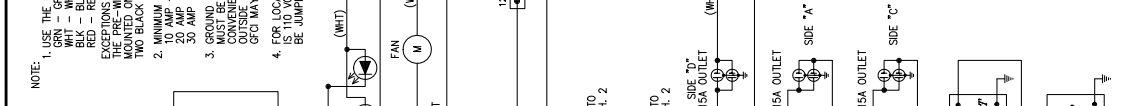
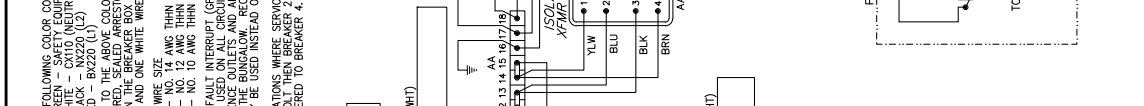
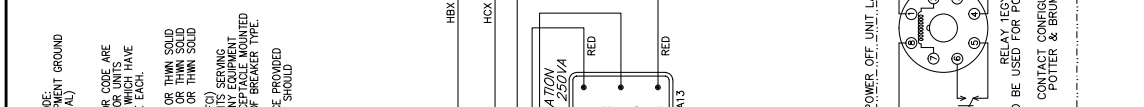
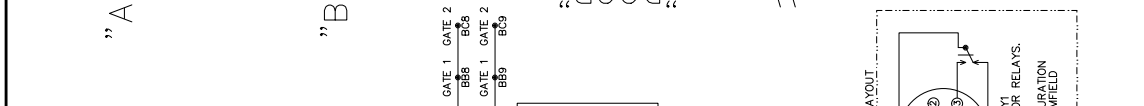
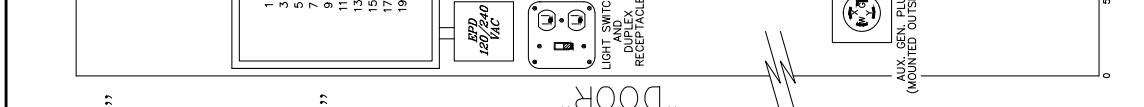
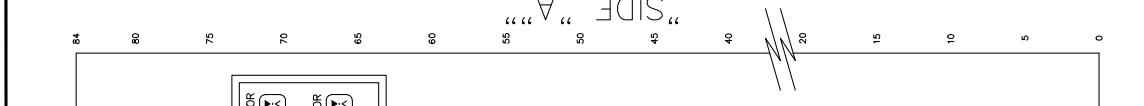
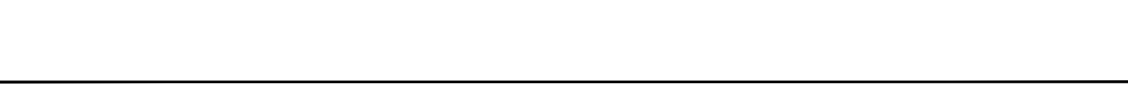
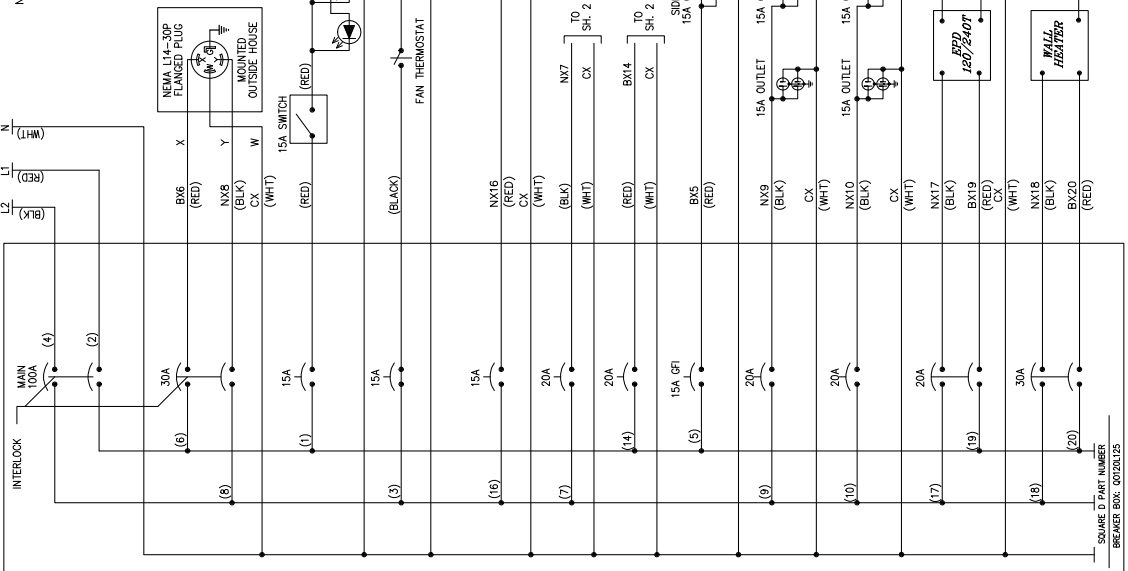
CONTACT	CLOSED	FUNCTION
2	0-10 DEG.	GATE DOWN
3	45-90 DEG.	POWER DOWN
4	0-85 DEG.	POWER UP
5	82-90 DEG.	GATE CLEAR
6	10-90 DEG.	BELL (IF USED)
7	0-10 DEG.	SNUB

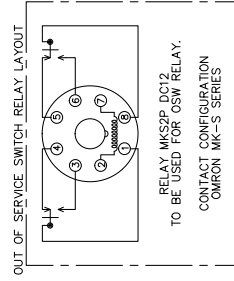
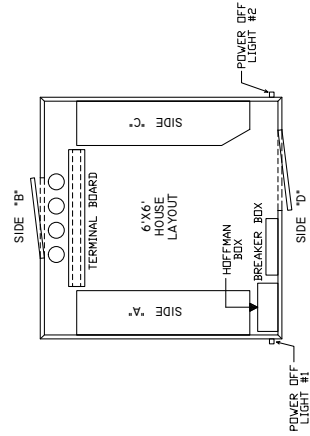
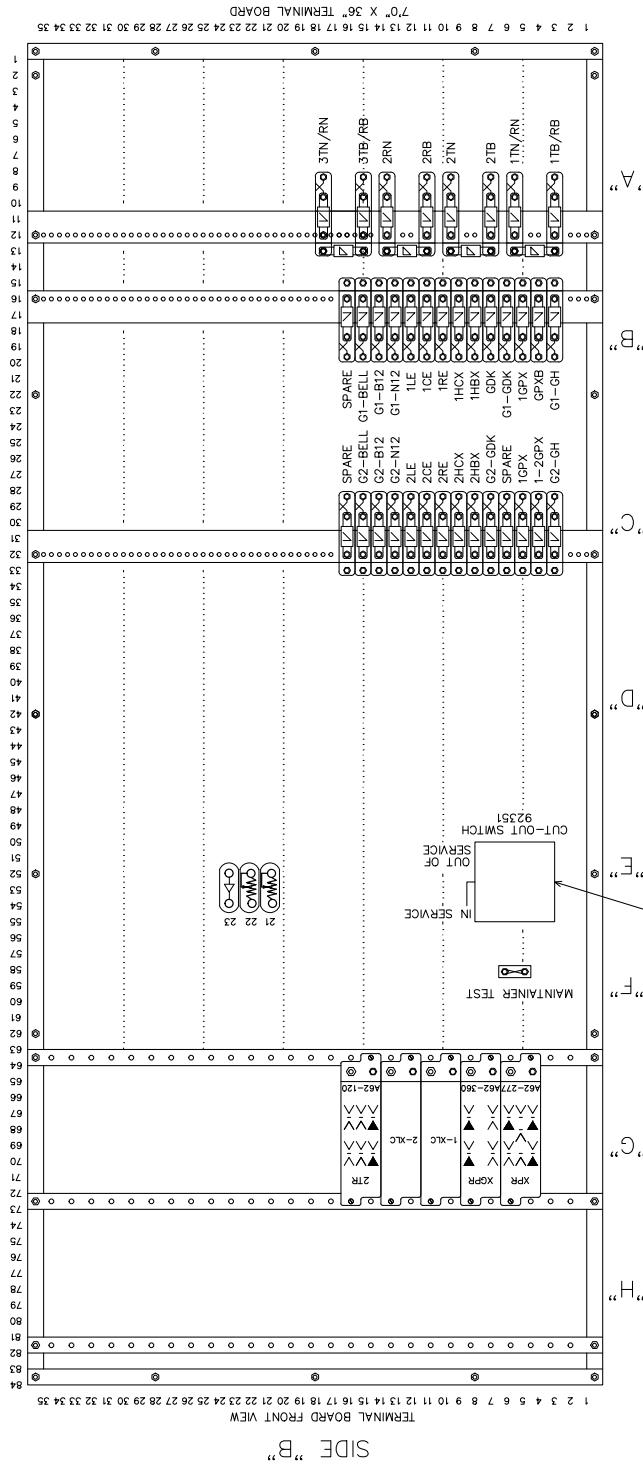
- NOTES:
1. ADD JUMPERS IN GATE SHOWN IN BOLD.
 2. ALL WIRES THIS SHEET #14 A.W.G. FLEX
 3. MAXIMUM WIRE SIZE FOR TERMINAL 5 TO MOTOR UP CONTROL (-) IS #12 AWG.

	ASHLAND RAILWAY 6055 KELLERS CHURCH RD. PIPERSVILLE, PA 18947	Drawing No. G-1	
		GRADE CROSSING WARNING SIGNALS LAYOUT	
		PIPER RD. MANSFIELD, OH	
SCALE: NONE		DATE: MAR 2018	
SHEET 7 OF 11			

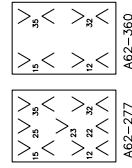


NOTE:
1. USE THE FOLLOWING COLOR CODE:
WHI - WHITE - CH10 (NEUTRAL)
RED - RED - CH10 (NEUTRAL)
RED - RED - CH20 (L)
RED - RED - CH20 (L)
EXCEPTIONS TO THE ABOVE COLOR CODE ARE:
THE PRE-WIRED, SEALED ARRESTOR UNITS
WHICH HAVE TWO BLACK AND ONE WHITE WIRE EACH.
2. MINIMUM WIRE SIZE:
10 AMP - NO. 14 AWG THIN OR THIN SOLID
20 AMP - NO. 12 AWG THIN OR THIN SOLID
30 AMP - NO. 10 AWG THIN OR THIN SOLID
3. GROUNDING INTERRUPT (GFI) SERVING
CONVENIENCE OUTLETS AND ANY EQUIPMENT
OUTSIDE THE BUNGALOW. RECEPTACLE MOUNTED
GFI MAY BE USED INSTEAD OF BREAKER TYPE.
4. FOR LOCATIONS WHERE SERVICE PROVIDED
BE JUMPERED TO BREAKER 2.





RELAY CROSS REFERENCE	GRS	SAFETRAN
	A62-277	400004
	A62-350	400200

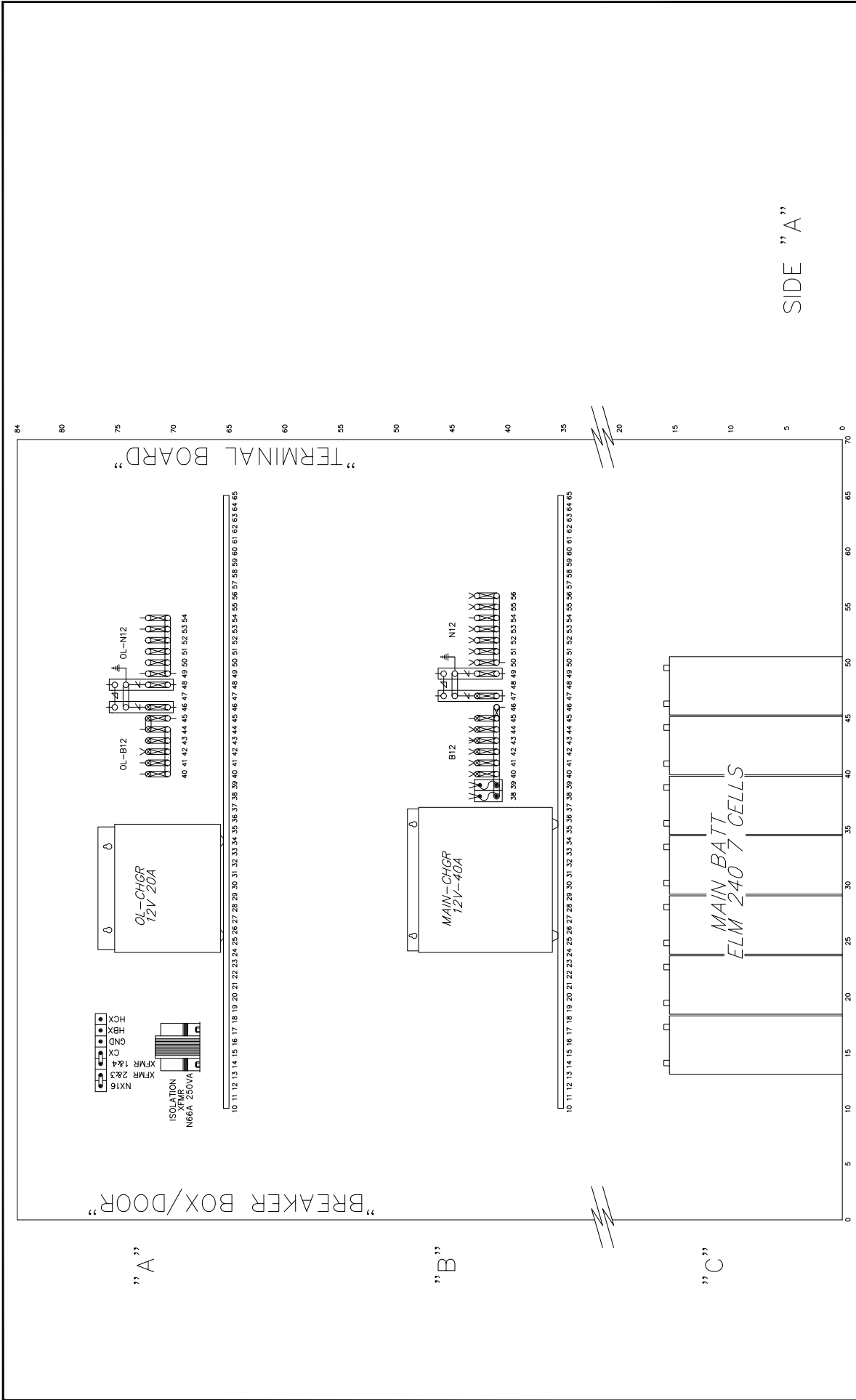


▼ = CONTACT USED

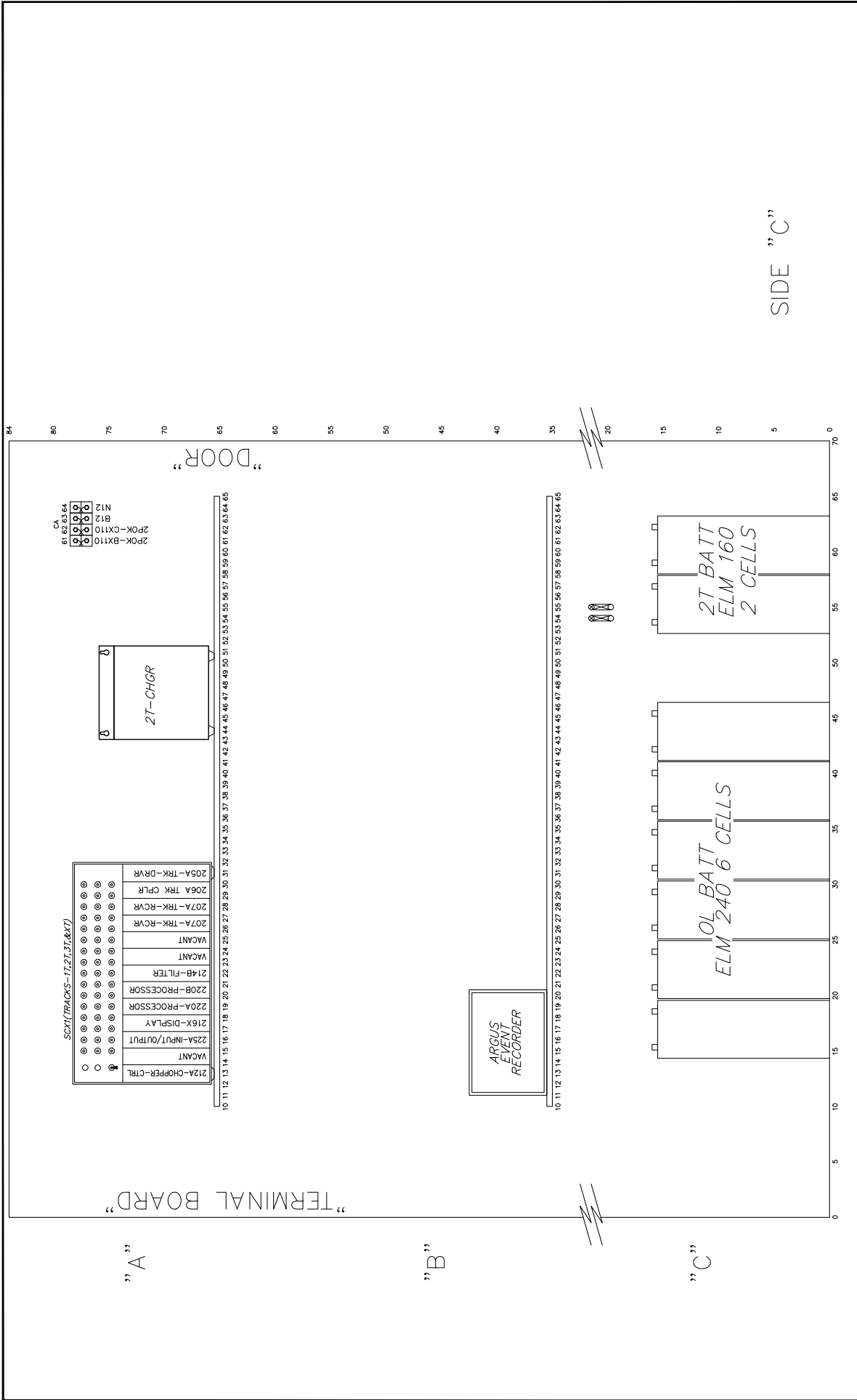
✓ = CONTACT NOT USED

WARNING

PLACING SWITCH IN THE
OUT-OF-SERVICE POSITION COMPLETELY
DISABLES THIS HIGHWAY CROSSING
WARNING SYSTEM. PROPER AUTHORITIES
MUST BE NOTIFIED PRIOR TO OUT-OF-SERVICE



Location:	Drawn By:	App'd. By:	Engineer By:	Date:	5/18
	Drawn By:	App'd. By:	Engineer By:	Date:	5/18
	Drawn By:	App'd. By:	Engineer By:	Date:	5/18
	Drawn By:	App'd. By:	Engineer By:	Date:	5/18
UNAUTHORIZED ALTERATION OF THIS DRAWING IS PROHIBITED. A VIOLATION OF SECTION 103 OF THE PENNSYLVANIA ELECTRICITY AND PUBLIC UTILITIES CODE MAY BE SUBJECT TO PENALTY.					
SARATOGA RAILROAD ENGINEERING PC					
					
11 ROSE TERRACE SARATOGA SPRINGS, NY 12066 (518) 464-7347 www.saratogarailroad.com					
					
ASHLAND RAILWAY 6055 KELLERS CHURCH RD PIPERSVILLE, PA 18947					
GRADE CROSSING WARNING SIGNALS LAYOUT					
DRAWING No. L-1					
SCALE: NONE DATE: MAR 2018 SHEET 10 OF 11					



Location:		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
Scale:		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
Title:		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
Revision:		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
UNAUTHORIZED ALTERATION OF THIS DOCUMENT IS PROHIBITED. A VIOLATION OF SECTION 103 OF THE PENNSYLVANIA CRIMINAL CODE MAY BE INCURRED.		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
STATE EDUCATION USE		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
SARATOGA RAILROAD ENGINEERING PC		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
11 ROSE TERRACE SARATOGA SPRINGS, NY 12066 (518) 484-7344 www.saratogarailroad.com		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
ASHLAND RAILWAY 6055 KELLERS CHURCH RD PIPERSVILLE, PA 18947		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
GRADE CROSSING WARNING SIGNALS LAYOUT		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
PIPE RD. MANSFIELD, OH		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
SCALE: NONE		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
DATE: MAR 2018		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
Drawing No.		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
L-2		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18
SHEET 11 OF 11		Drawn By:	App'd. By:	Date:	Engineer By:	Date:	5/18

ASHLAND RAILWAY SIGNAL SYSTEM PROJECT
Revised after Bidding Cost Estimate

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
PIPER ROAD - MANSFIELD, OH					
1	Furnish & Install Signal Warning Systems (Flashing Lights & Gates)	1	LS	\$150,000.00	\$131,055.10
2	Conduilt 4 Inch Jack & Bore (HDPE) or PVC SH80	1	LS	\$4,000.00	Included in #1
3	Furnish and Install meter base and pole and underground service	1	EA	\$4,500.00	Included in #1
4	Furnish and Install Non-Bonded Insulated Joint Assembly	8	EA	\$2,500.00	Included in #1
5	Furnish and Place Ballast Walkway Course	100	TN	\$30.00	Included in #1
6	Mobilization	1	LS	\$6,552.76	Included in #1
7	Engineering	1	LS	\$32,100.00	\$32,100.00
8	Furnish and Install Commercial Power - By Railroad	1	EA	\$6,000.00	\$6,000.00

TOTAL ESTIMATE FOR CONSTRUCTION

\$169,155.10



OHIO RAIL DEVELOPMENT COMMISSION

Mail Stop #3140, 1980 West Broad Street, Columbus OH 43223

John R. Kasich, Governor • Mark Policinski, ORDC Chairman

February 22, 2018

Mr. Scott Patsolic
Mgr. Training and Safety
Ashland Railway
803 North Main St.
Mansfield, Ohio 44902

RE: Richland County, Piper Road, DOT 264970K, PID# 107028

Dear Mr. Patsolic:

A diagnostic review was held at the above grade crossing on November 12, 2017. The crossing has been recommended for the installation of lights and gates.

The Ashland Railway is authorized to proceed with the site plans and cost estimates (PE) for this project. This authorization is made with the stipulation and understanding that any field work needs prior approval before work begins. This authorization is made with the stipulation and understanding that an approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit.

The ORDC is not requesting that the PUCO issue an Order at this time. When the ORDC receives the PE it will be evaluated and a construction-only Order will be requested from PUCO. Please submit the PE to ORDC within 90 days of receipt of this letter.

The diagnostic review forms are attached. Please note any recommendations (page 5), if any, made by the team with regard to requirements for this location. Any minor roadway work necessary for MUTCD compliance should be incorporated into the PE and such costs will flow through the railroad reimbursement process

I am the Project Manager for this project. I can be reached at (614) 752.0399, or Eric.Neff@dot.ohio.gov, if you have any questions.

Sincerely,

Eric T. Neff

Eric Neff
Project Manager

C: Jill Henry, PUCO, Grade Crossing Planner
ORDC (file)



www.rail.ohio.gov

phone: 614.644.0306

IMPROVING RAIL TODAY FOR TOMORROW'S ECONOMY



Public Utilities Commission

Asim Z. Haque, Chairman

Commissioners

M. Beth Trombold
Thomas W. Johnson
Lawrence K. Friedeman
Daniel R. Conway

December 27, 2017

Mr. Scott Patsolic
Mgr. Training and Safety
Ashland Railway Inc.
803 North Main St.
Mansfield, Ohio 44902

Re: Richland County, Piper Road,
DOT#264-970K, hereinafter referred
to as the "Project"

Dear Mr. Patsolic:

The Public Utilities Commission of Ohio (PUCO) has identified and the Ohio Rail Development Commission (ORDC) surveyed, on October 12, 2017, the above mentioned grade crossing for warning device upgrades. The location has been approved for flashing lights and roadway gates.

The Project shall comply with Agreement No. 00034, dated January 27, 2004, entered into by the State of Ohio and Ashland Railway Inc. (ASRY). Furthermore, the RAILROAD shall comply with all applicable state and federal laws governing grade crossing safety programs.

Reimbursable costs will be limited by ORDC based upon approved estimates and bid tabulations, if applicable. These limits will be quantified by the ORDC in its construction authorization to the RAILROAD and may be amended by the ORDC based upon revised estimates and bid tabulations. Additional costs must be approved in writing by the ORDC prior to being incurred. Emergency verbal authorizations by ORDC may be permitted but must be confirmed in writing within ten (10) business days of the verbal approval.

The RAILROAD shall complete plans and estimates for the Project within ninety (90) days after the RAILROAD is notified of authorization to proceed unless otherwise agreed by ORDC/PUCO and the RAILROAD.

The RAILROAD shall not commence construction prior to PUCO's Order or ORDC's construction authorization. The RAILROAD shall provide written notification of the construction start date to PUCO and ORDC no later than five (5) business days prior to such date.

LA Piper Road
DOT#264-970K
Richland County

Please indicate your acceptance of the terms and conditions of this Letter of Agreement by signing and returning one (1) copy to Ms. Jill Henry, Rail Specialist, Rail Division, Public Utilities Commission of Ohio, 180 E. Broad Street, Columbus, Ohio 43215-3793.

Sincerely,



Milan Orbovich
Director of Transportation
Public Utilities Commission of Ohio

Date 12/27/17

Ashland Railway Inc.

By _____

Title _____

Date _____



Matthew Dietrich
Executive Director
Ohio Rail Development Commission

Date 12/28/17

LA Piper Road
DOT#264-970K
Richland County

Please indicate your acceptance of the terms and conditions of this Letter of Agreement by signing and returning one (1) copy to Ms. Jill Henry, Rail Specialist, Rail Division, Public Utilities Commission of Ohio, 180 E. Broad Street, Columbus, Ohio 43215-3793.

Sincerely,



Milan Orbovich
Director of Transportation
Public Utilities Commission of Ohio

Date 12/27/17

Ashland Railway Inc.

By Proderick,
Title Pres.

Date 2-16-18

Matthew Dietrich
Executive Director
Ohio Rail Development Commission

Date _____



Diagnostic Review Team Survey

Reason for Survey:
(e.g. formula, accident, constituent, etc.)

Formula Pick

Date: 10/12/2017

Location Data

Street or Road Name: Piper Road

Route/Road Number
(i.e. Twp., Co., SR or US)

US DOT No.: 264970K

County: RIC

Township:

City:
(In or Near)

City of Mansfield

Railroad
Name: Ashland Railway

Railroad
Division: Pittsburgh

Branch/Line
Name: ML SAL&GALION

Nearest RR
Timetable Station: Mansfield

RR Milepost: 266.49

On-Site Review Team

(Include: Name - Organization - Phone Number - Email)

1. Cathy Stout ORDC 614 644 0313 Catherine.stout@dot.ohio.gov
2. Dennis Armstrong City of Mansfield 419-755-9702 darmstrong@ci.mansfield.oh.us
3. Bob Bianchi City of Mansfield 419-755-9702 rbianchi@ci.mansfield.oh.us
4. Michael Mosley Ashland Railway 419-522-4100 ext 101 mmosley@asrwy.com
5. Jill Henny PUCCO 614-486-0435 jill.henny@pucco.ohio.gov
6. Scott PATSOLIC ASHLAND RAILWAY 419-522-0110 spatsolic@asrwy.com
7. _____
8. _____
9. _____

Existing Traffic Control Devices

Type of Warning Devices	Installed?		Quantity/Comments
Advance Warning Signs (condition?)	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	(E approach Yes) (W approach No)
'Stop' Signs	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
'Stop Ahead' Signs	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Pavement Markings (condition?)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Crossbucks	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Number of Tracks Signs	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Inventory Tags	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Interconnected Highway Traffic Signal	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Mast-Mounted Flashing Lights	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Cantilever Flashing Lights	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Number: Length:
Side Lights	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Automatic Gates	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Number: Length:
Bells	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Number:
Sidewalk Gate Arms	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
'No Turn' Signs	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Illumination	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is crossing flagged by train crew?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Other	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

Safety Data (Obtain crash reports, if possible, prior to review)

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	0	
Hazard Ranking	310	Date Run: 8/21/2017 1193 11/3/17

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	24	1-2 2-4
< 1 per day		
Day thru trains	6	2 4
Night thru trains	6	—
Daytime switching movements	6	—
Nighttime switching movements	6	—
Total number of tracks	1	
Number of main tracks	1	
Number of other tracks	0	
Maximum train speed	30	10 per 10/4/17 conversation w/ Mike Marley & ASRY
Typical train speed	30	
Amtrak		

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☐ Yes ☒ No E approach only

If multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☒ No

Can one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☒ No

Can one or more tracks be eliminated through the crossing? ☐ Yes ☒ No

Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☒ No

If yes, Crossing DOT # (if different) _____

If yes, distance _____ (take measurement between track centerlines at closest point along roadway)

Roadway Data

Local Highway Authority:	City of Mansfield	
Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	1463 (2011)	1317 (2017)
Highway paved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Roadway Surface:	<input checked="" type="checkbox"/> Blacktop <input type="checkbox"/> Gravel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____	
Roadway width:	20 ft.	
Number of highway lanes	2	
Urban or Rural	Rural Local	
Vehicle Speed:	35 MPH	
School Bus Operation:	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes 2 Amount	
Hazardous Materials Trucks:	<input type="checkbox"/> No <input type="checkbox"/> Yes .05 Amount Truck .01%	
Shoulders:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Is the shoulder surfaced?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Is there existing guardrail along roadway in crossing vicinity?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Is stopping site distance adequate? (See Table 2)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, deficient approach(es) E - Vegetation is/w/ crossing below grade of road	

Quadrant <u>SW</u> Curb and Gutter: <input type="checkbox"/> Functional (Curb height = 4" or more) <input type="checkbox"/> Non-functional (Curb height = Less than 4") <input checked="" type="checkbox"/> None	Quadrant <u>NE</u> Curb and Gutter: <input type="checkbox"/> Functional (Curb height = 4" or more) <input type="checkbox"/> Non-functional (Curb height = Less than 4") <input checked="" type="checkbox"/> None
Pedestrians: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Is sidewalk present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Is there a nearby intersection that could cause queuing over the crossing? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, Distance _____ Is this intersection signalized? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Are the signals currently interconnected with the existing crossing warning devices? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Is there a 'Do not Stop on Track' sign? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Is a roadway improvement project (e.g. widening, turn lanes, nearby new or upgraded traffic signal, sidewalk) planned at or near this location in the foreseeable future? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, Improvement type _____ Lead Agency _____ Timeline/completion - _____	
Is it the consensus of the Diagnostic Review Team that this is a potential closure project? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Explain reasons: <u>Detriment to traffic & EMS response.</u> <u>Growing industrial park near airport.</u>	
Type of Development	
<input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Institutional <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential	Location of nearby schools: <u>No schools nearby.</u> <u>Note: Prison nearby</u>
Utility Information	
Is commercial power available? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Utility Provider (Company Name) <u>Ohio Edison</u> Phone Number _____ Nearest Available Power Source <u>+/- 225'</u>	
What other utilities are present? (add locations to sketch) <input type="checkbox"/> Gas <input type="checkbox"/> Cable <input checked="" type="checkbox"/> Telephone <input type="checkbox"/> Fiber Optic Cable <input type="checkbox"/> Petroleum <input type="checkbox"/> Water <input type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Other _____	
Is(are) there potential utility conflict(s) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Comments:	

Potential Red Flags / Project Challenges

Traffic Signal Preemption (include traffic signal intersection name and LHA with jurisdiction over traffic signal, if known):

N/A

Crossing Consolidation or Closure:

N/A

Real Estate or ROW:

N/A

Culverts / Drainage / Ballast Conditions:

NO ISSUES

Roadway and/or Sidewalks:

N/A

Circuitry (e.g. reaches out to other crossings, specific needs, etc.):

NONE

Environmental:

N/A

Other:

Diagnostic Team Recommendations

	Quadrants Needed
<input checked="" type="checkbox"/> Install/upgrade active devices	
<input checked="" type="checkbox"/> Automatic Flashing Lights (AFLS)	SCX1
<input type="checkbox"/> AFLS / Cants	
<input type="checkbox"/> AFLS / Gates	
<input type="checkbox"/> AFLS / Gates / Cants	
<input type="checkbox"/> Bells / number	
<input type="checkbox"/> Upgrade circuitry / type	
<input type="checkbox"/> Sidelights	
<input type="checkbox"/> Guardrail Needed	
<input type="checkbox"/> Install/Replace curb	
<input type="checkbox"/> Bungalow placement & offset from rail & highway	
<input type="checkbox"/> Other (define)	


Comments:




☐ Install/upgrade traffic signal preemption

☐ No improvements needed

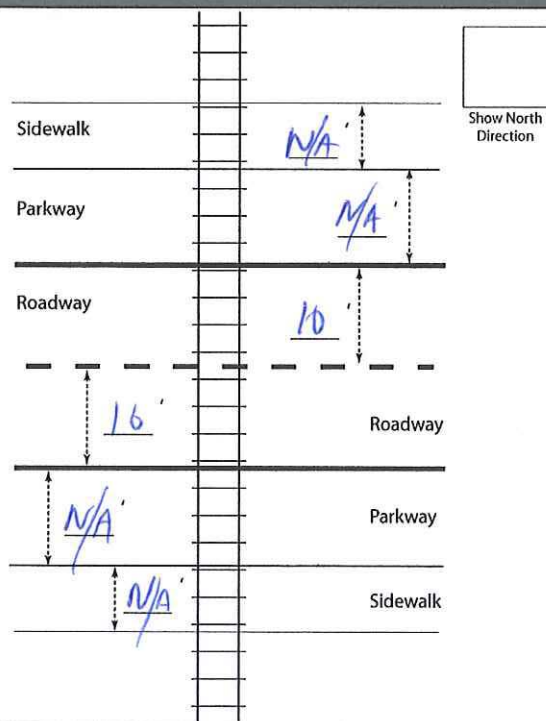
☐ Other (define)

Acknowledgement of Recommendations (each entity represented at the diagnostic must have at least one signature acknowledgement):



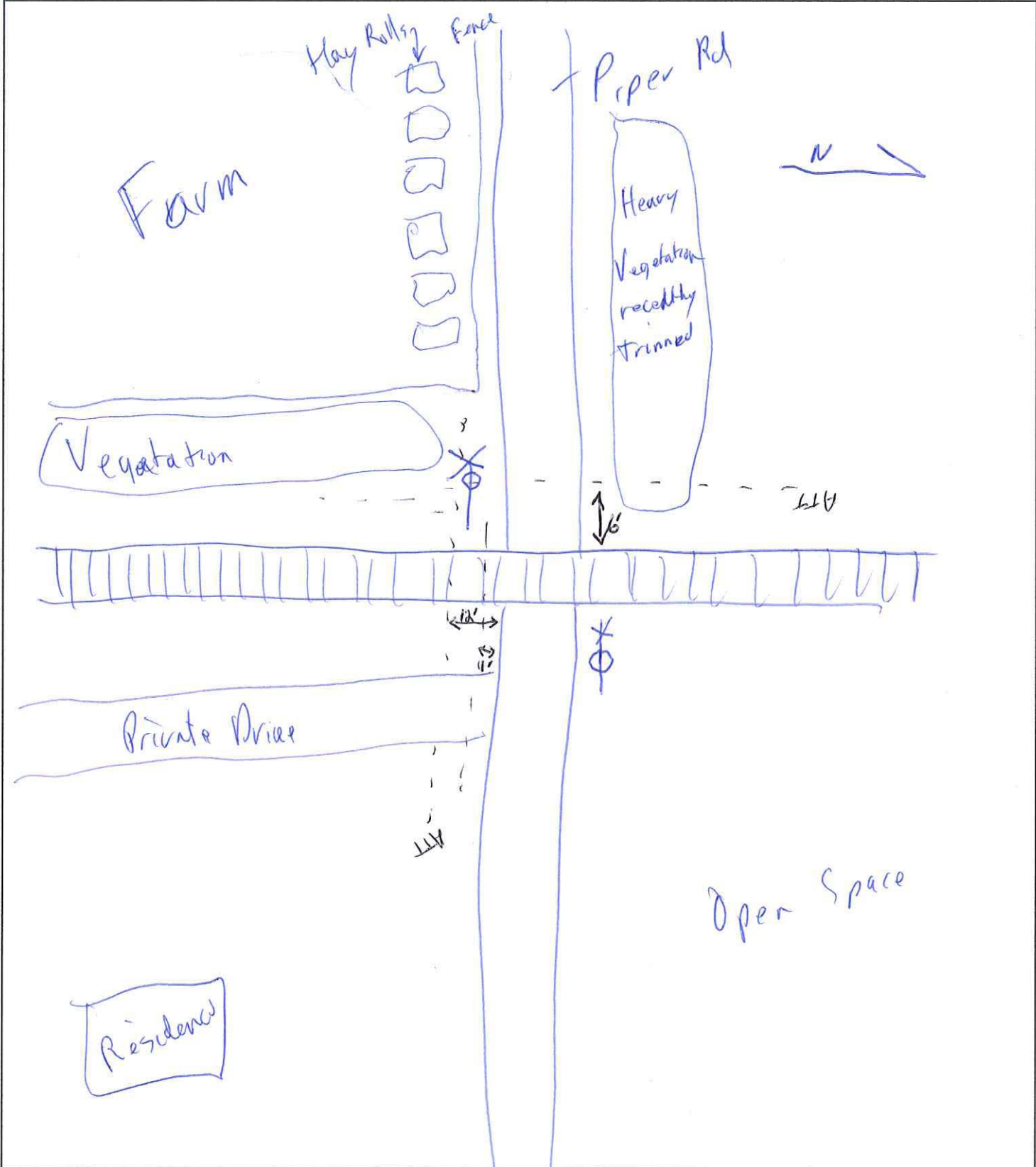




Field Dimensions



Contact Madison Twp re vegetation on east side. SE corner is twp. Crossing in Mansfield

Field Sketch



Crossing Angle ☐ 0-29° ☐ 30-59° ☒ 60-90° Measured in NE Quadrant?

Sketch by: _____

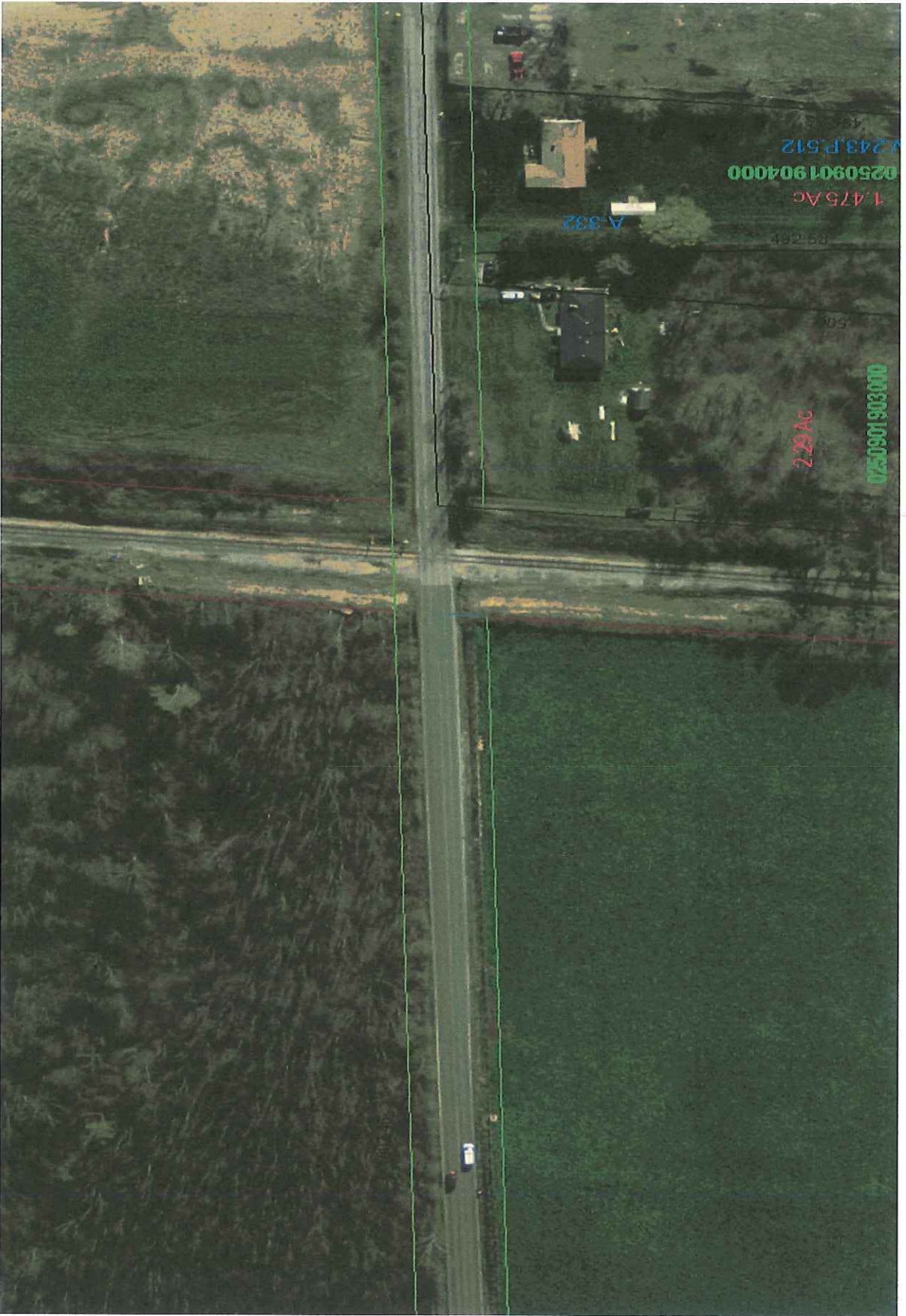


Table 1

Clearing Sight Distances

Maximum Authorized Train Speed	Distance (dT) Along Railroad from Crossing (ft)
1 - 10	240
15	360
20	480
25	600
30	720
35	840
40	960
45	1080
50	1200
55	1320
60	1440
65	1560
70	1680
75	1800
80	1920
85	2040
90	2160

Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133)

Notes:

All calculated distances are rounded up to the next higher 5-foot increment.

Distances indicated are for 65-ft double bottom semi-tractor trailers and level single track 90 degree crossings; and may need to be adjusted for multiple tracks, skewed crossings or approaches on grades.

Clearing Sight Distance is to be measured in each vehicle travel direction at non-gated crossings as viewed from a point 25 feet from centerline of nearest track in the center of whichever travel lane is nearest the direction along track being measured.

Table 2

Stopping Sight Distances

Highway Vehicle Speed	Distance (dH) Along Roadway from Crossing (ft)
0	n/a
5	50
10	70
15	105
20	135
25	180
30	225
35	280
40	340
45	410
50	490
55	570
60	660
65	760
70	865

Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133)

Notes:

All calculated distances are rounded up to the next higher 5-foot increment.

Distances indicated are for 65-ft double bottom semi-tractor trailers on dry level pavements.

Stopping Sight Distance is to be measured on each roadway approach to crossing from stop bar.

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

2/4/2019 1:53:59 PM

in

Case No(s). 19-0267-RR-FED

Summary: Application In the Matter of a Request for the Installation of Lights and Gates at the Ashland Railway Grade Crossing, DOT# 264-970K, Piper Road in Richland County, Ohio. electronically filed by Mrs. Jill A Henry on behalf of PUCO/Rail Division