Memo

To:	Docketing	Division
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From: Jill Henry, Chief, Rail Division

Cc: PUCO Legal Department

Date: 3/21/2022

Re: PUCO Case No. 22-239-RR-FED- In the Matter of a Request for the Installation of Active Warning Devices at the Columbus & Ohio River Railroad Crossing, DOT#510-668Y, Fillman's Bottom Road, in Tuscarawas County, Ohio.

On March 8, 2021, the Ohio Rail Development Commission (ORDC) authorized funding for the Columbus & Ohio River Railroad (CUOH) to install lights and gates at the Fillmans Bottom Road (DOT#510-668Y) grade crossing in Tuscarawas County, Ohio. The crossing was surveyed, on August 13, 2020, and was found to warrant the upgrade. The electric utility provider for this crossing is AEP- Ohio.

The project will be paid for with federal funds and is actual cost. The plans and estimates for the project in the amount of \$216,925.00 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 <u>railroad will be responsible</u> 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:

Columbus & Ohio River Railroad Jared Rishel AVP Engineering Northern Region Genesee & Wyoming Inc. 4349 Easton Way Suite 110 Columbus, OH 43219

Alfred Benesch & Company Ben Biesterveld G&W Consultant 4614 Red Fox Road Oshkosh, WI 54904

Ohio Rail Development Commission Alan Bell Manager, Grade Crossing Programs 1980 West Broad Street Mail Stop #3140 Columbus, OH 43223

Tuscarawas County Engineer Joe Bachman County Engineer 832 Front Avenue SW New Philadelphia, OH 44663

Salem Township, Tuscarawas County Trustees 8276 Stonecreek Road Newcomerstown, OH 43832

AEP Ohio

OHIO RAIL DEVELOPMENT COMMISSION INTER-OFFICE COMMUNICATION

TO:	John Williams, Director, Transportation Department, PUCO
FROM:	Cathy Stout, Manager, Safety Section, ORDC
BY:	Greg Gronbach, Project Manager, Safety Section, ORDC
SUBJECT:	Construction Authorization for TUS CUOH TR208/Fillmans Bottom Rd DOT# 510668Y PID# 114024
DATE:	February 22, 2022

The Public Utilities Commission of Ohio (PUCO) established a diagnostic survey at the subject location on August 13, 2020. 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 accepts the site plans and estimates as provided. Please issue a construction-only order for the project outlined above. ORDC recommends a nine (9) month construction timeline. 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 <u>railroad will be responsible</u> 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 Letter Agreement PE Authorization Plan, Estimate & Material List Construction Authorization c: Jill Henry, Rail Specialist, PUCO ORDC Project Manager (file)



Rail Development Commission

Mike DeWine, Governor Jon Husted, Lt. Governor Scott Corbitt, Chair

February 22, 2022

Mr. Len Wagner President & Legal Official (SVP) Genesee & Wyoming/CUOH 201 N. Penn Street Punxsutawney, PA 15767

Construction Authorization for TUS CUOH TR208/Fillmans Bottom Rd DOT# 510668Y PID# RE: 114024

Dear Mr. Wagner:

The plan dated November 24, 2021, and estimate dated December 13, 2021, for the referenced project is acceptable. Genesee & Wyoming/CUOH may proceed with the construction of the proposed grade crossing warning system in accordance with the abbreviated plan. Construction may include but is not limited to circuitry design, installation of service poles, procurement of materials and signal construction.

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 \$216,925.00. 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 Genesee & Wyoming/CUOH accepting the following instructions:

- 1. Genesee & Wyoming/CUOH'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@puco.ohio.gov. Genesee & Wyoming/CUOH'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. Genesee & Wyoming/CUOH 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 Genesee & Wyoming/CUOH.
- 3. Genesee & Wyoming/CUOH's project foremen will notify Mr. Gronbach at 614-745-6760 (telephone) or Gregory.Gronbach@dot.ohio.gov (email) of any changes in the scope of 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.

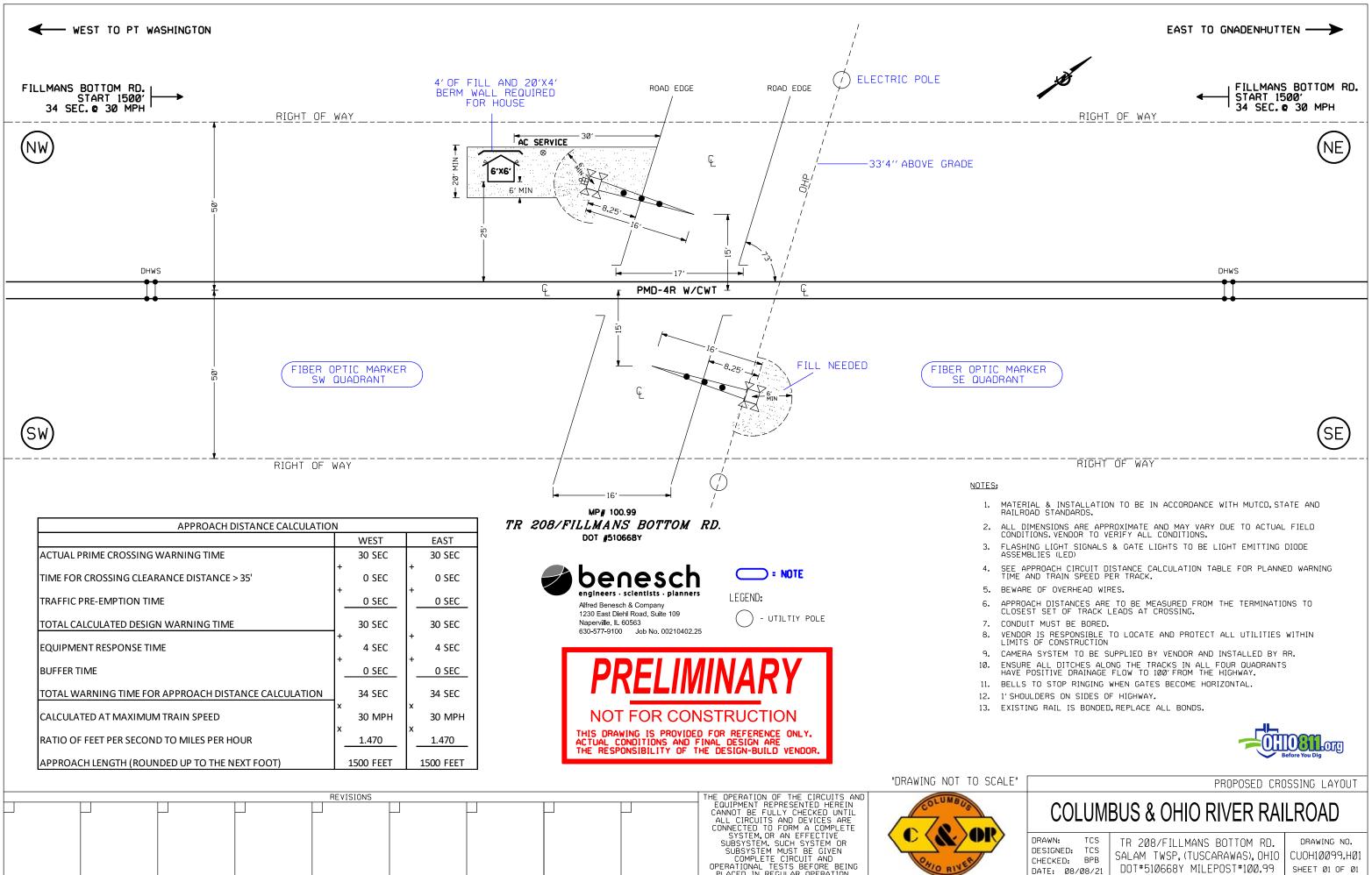
- 4. Open cut of roadways is *not permitted* except in unusual circumstances and must be coordinated with the local highway authority and preapproved by ORDC.
- 5. Genesee & Wyoming/CUOH will furnish two (2) copies of each partial bill to ORDC. Please find the enclosed ODOT Purchase Order to reference when billing.
- 6. Genesee & Wyoming/CUOH 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.

Thank you for your assistance with these matters.

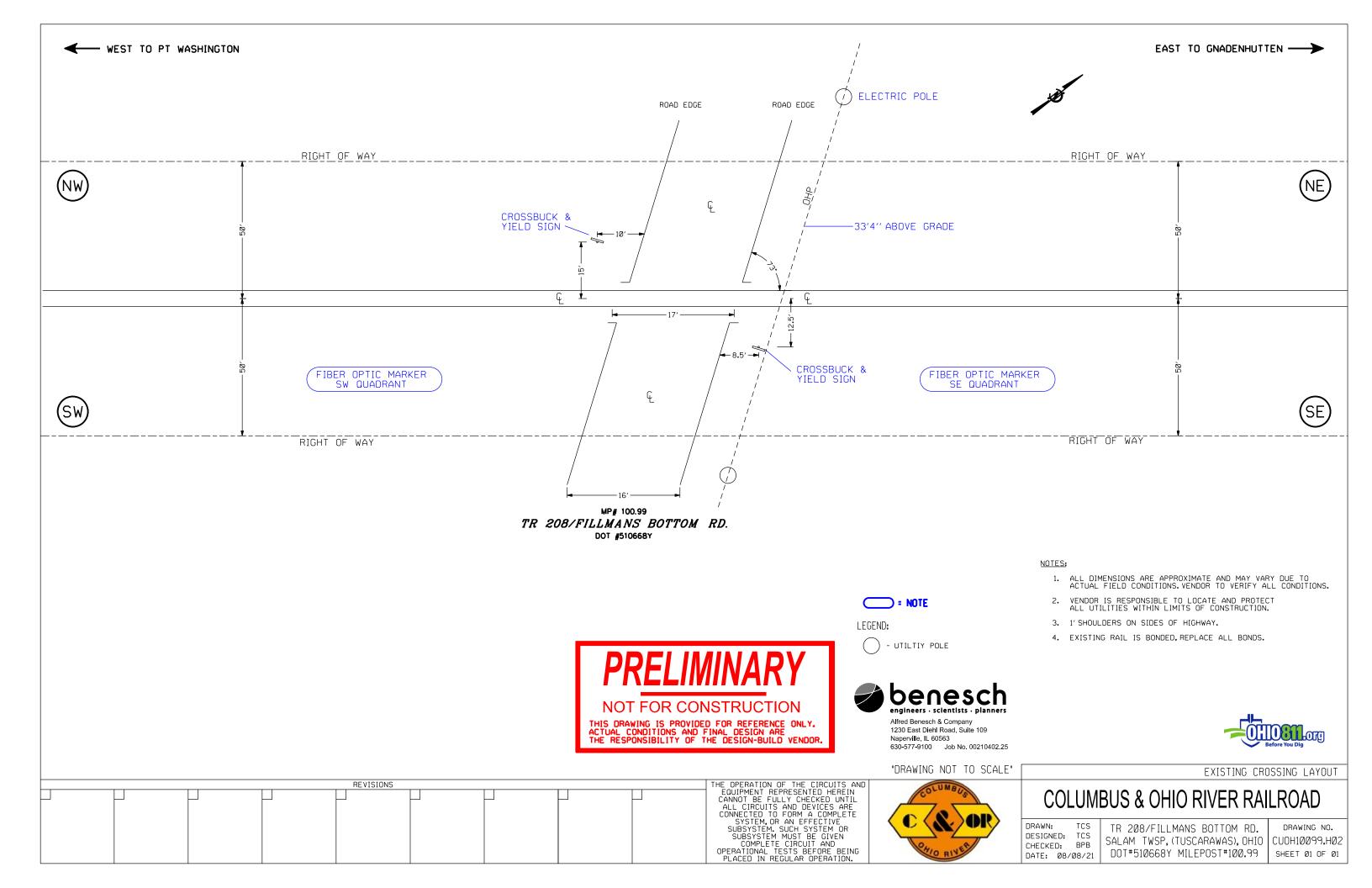
Greg Gronbach Aturh

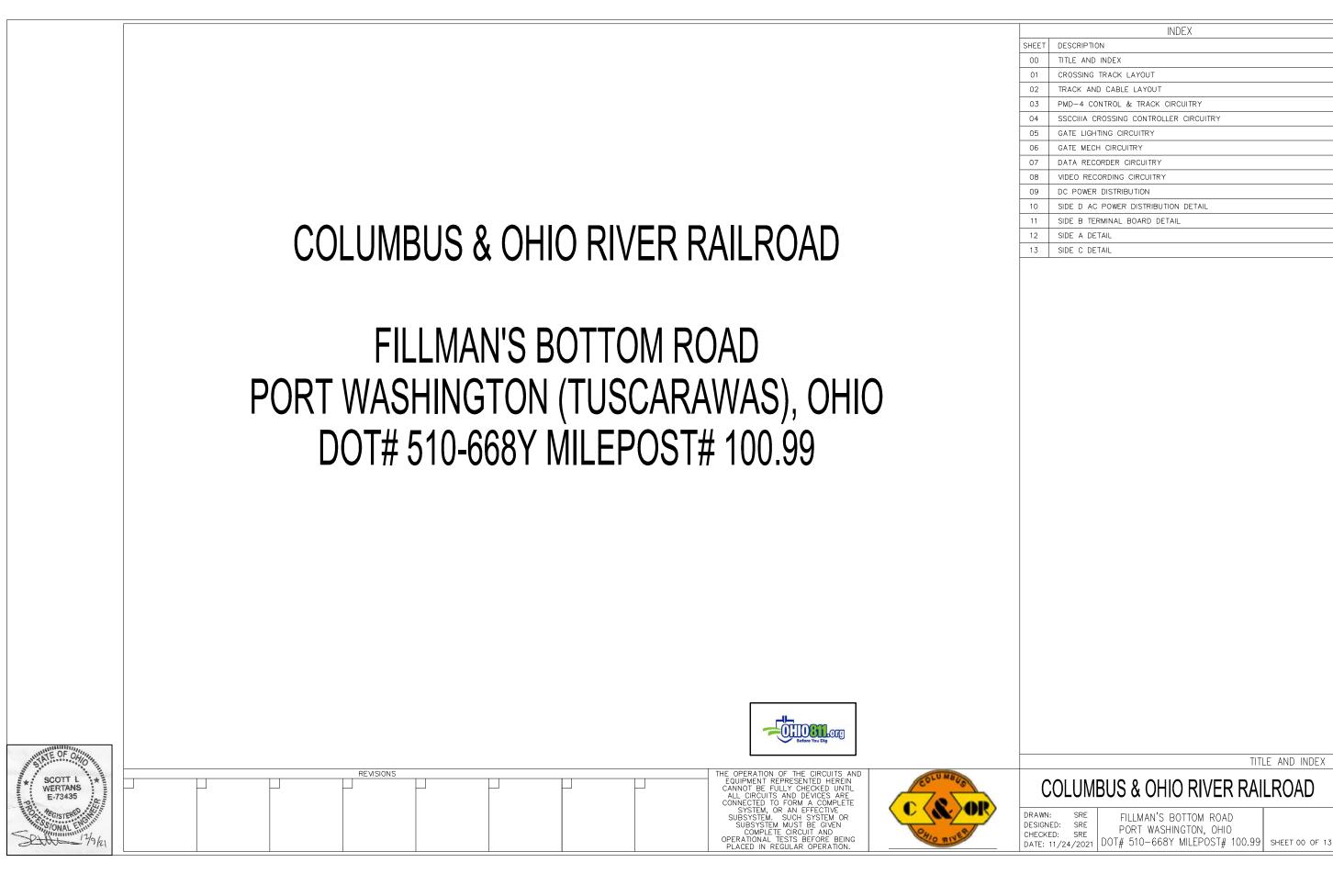
Sincerely, Project Manager

C: John Williams, Director, Transportation Department, PUCO Jill Henry, Rail Specialist, PUCO Heather Hamilton, ORDC ORDC (file)



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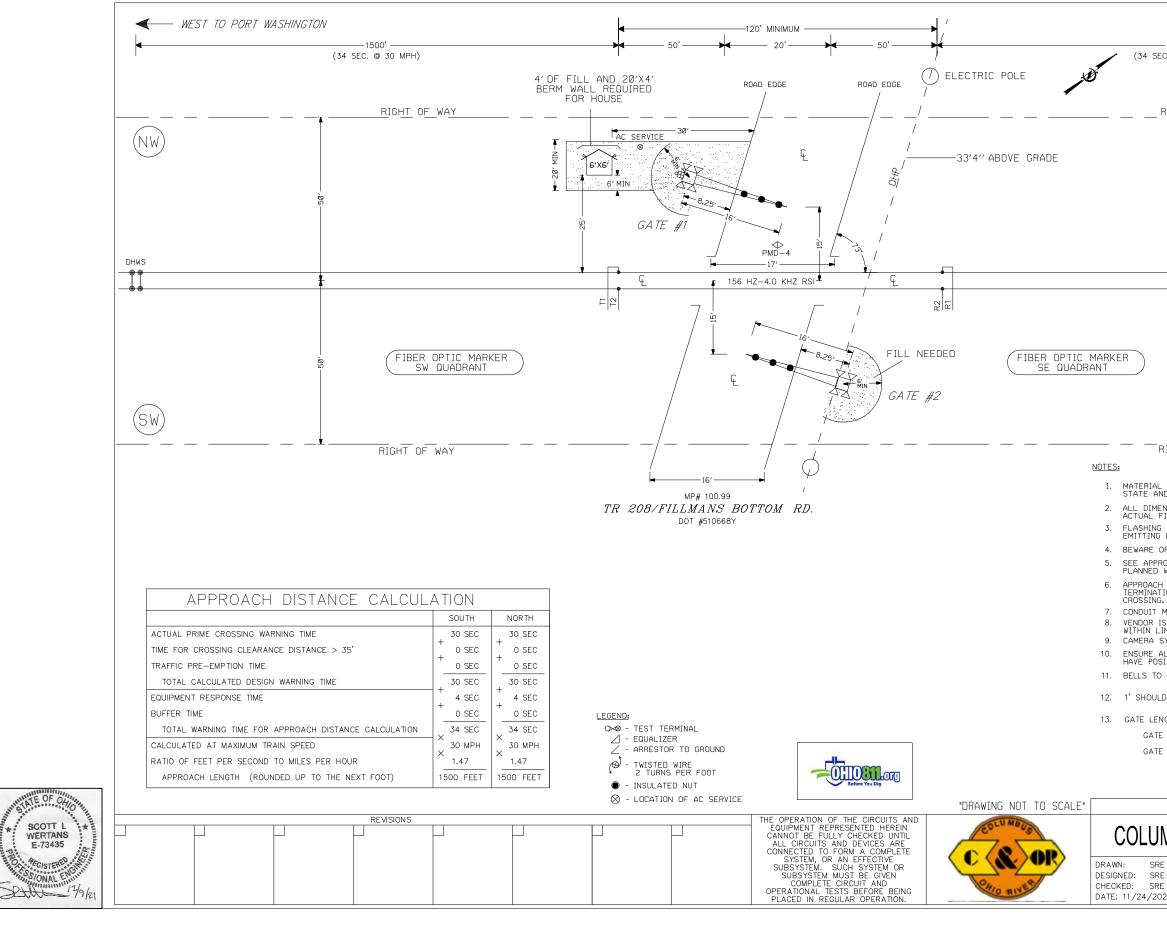


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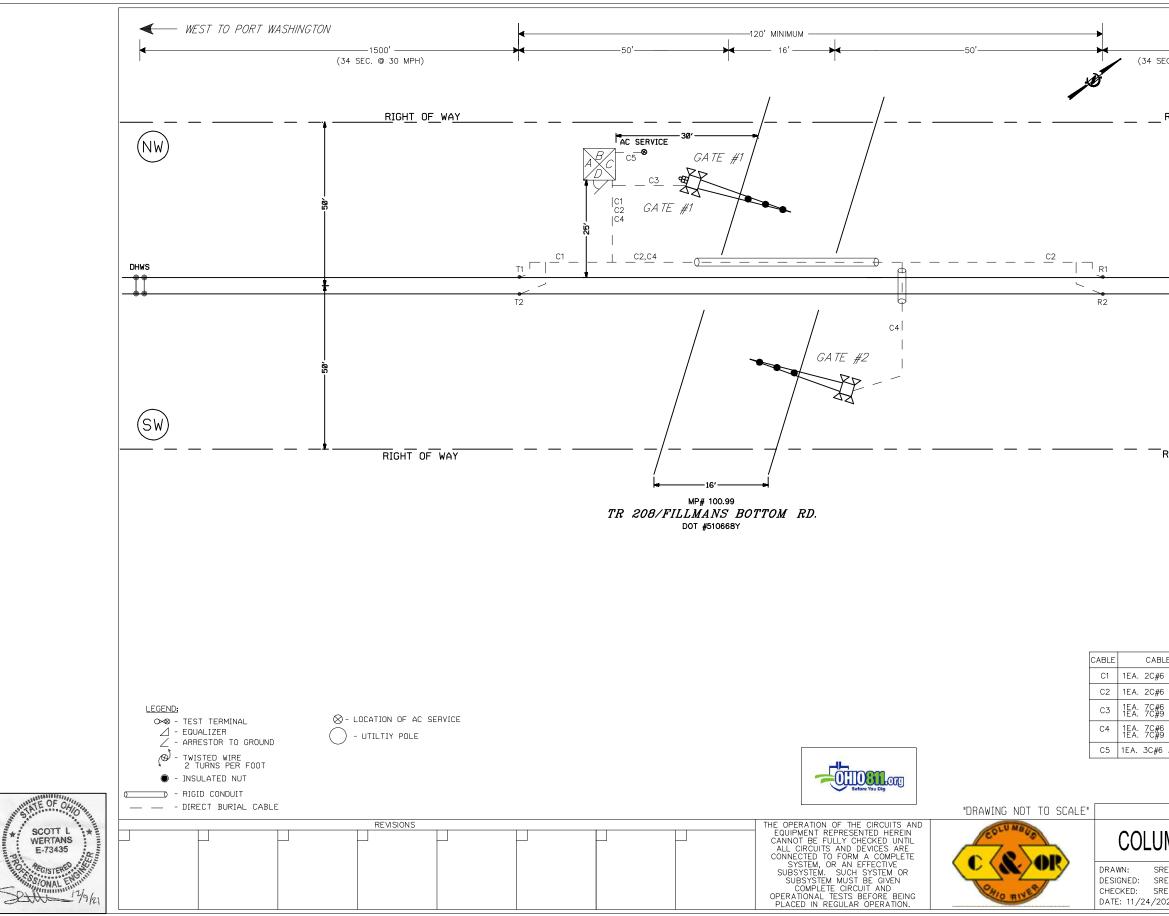
TITLE AND INDEX

COLUMBUS & OHIO RIVER RAILROAD

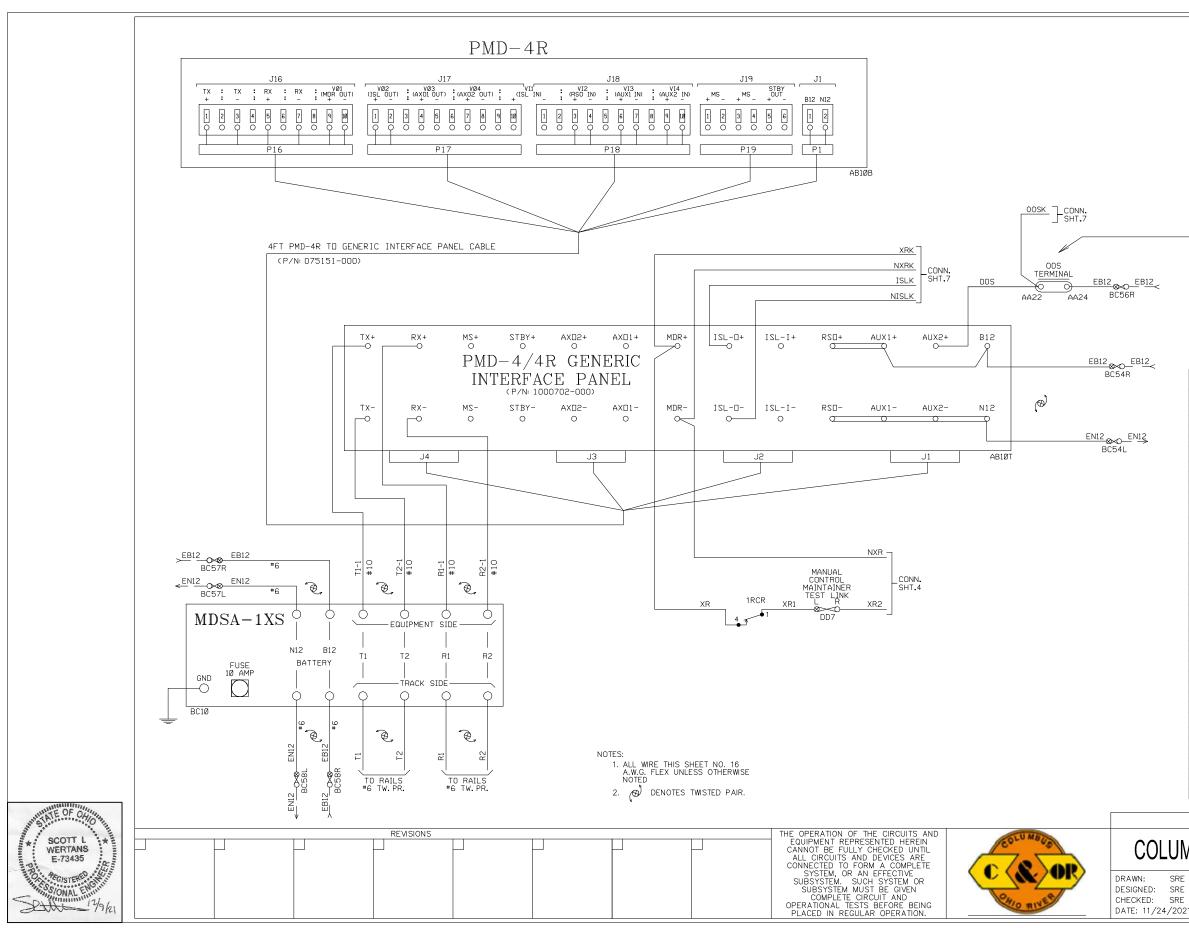
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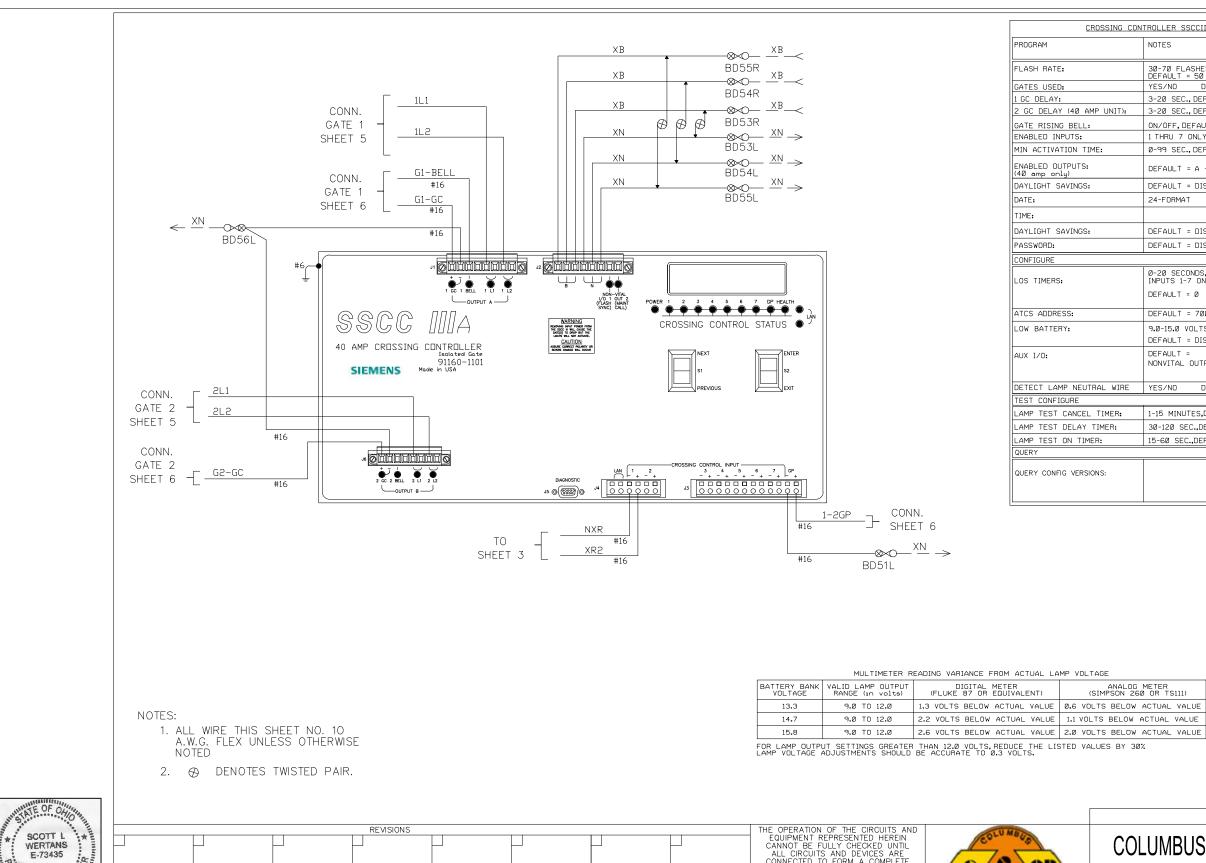
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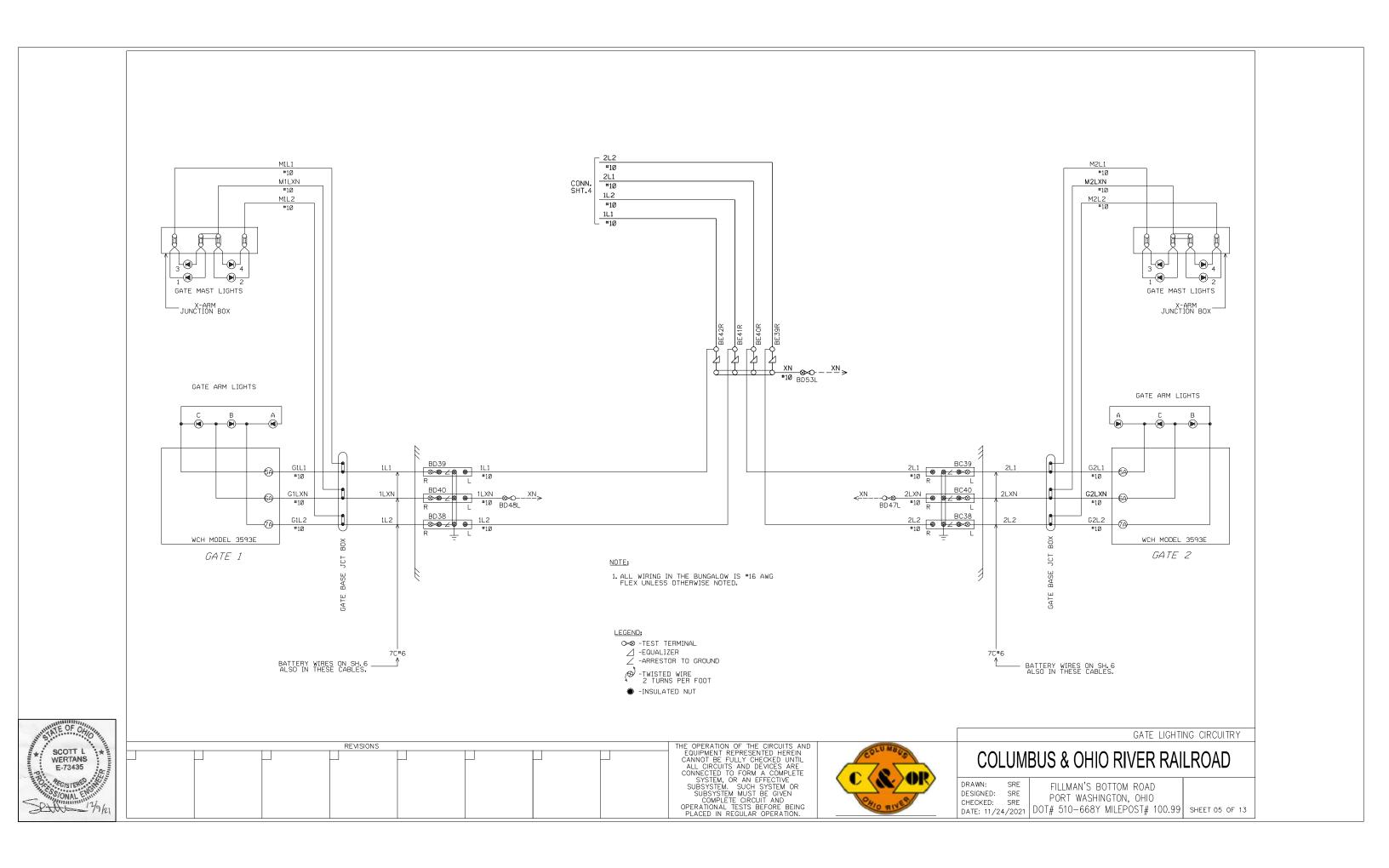
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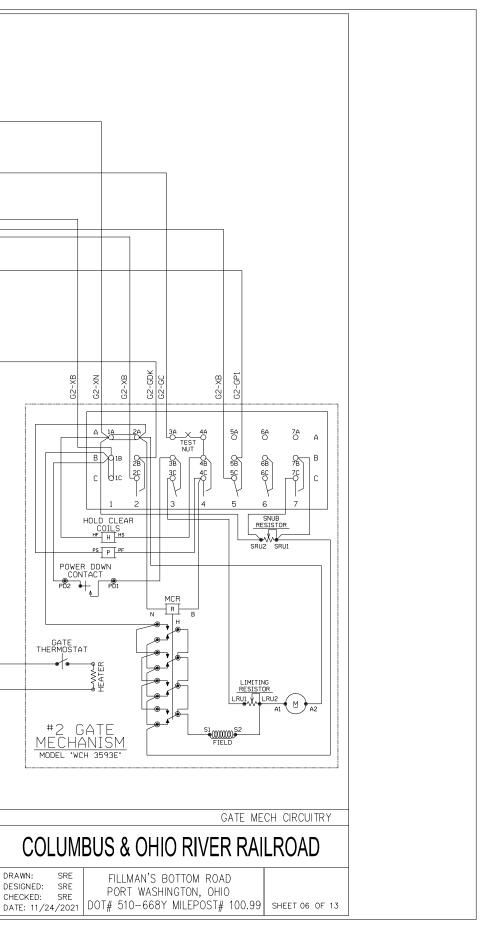
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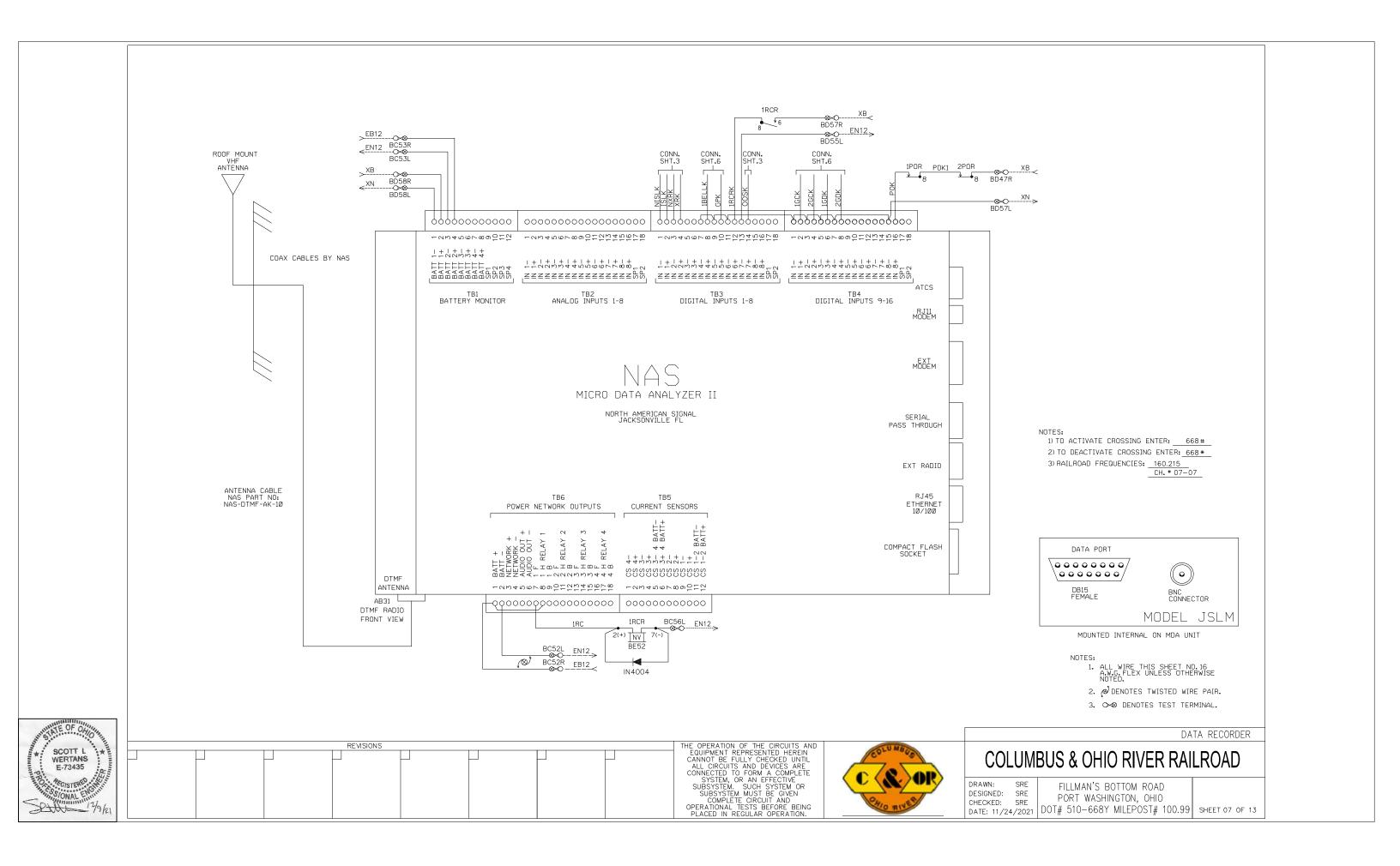
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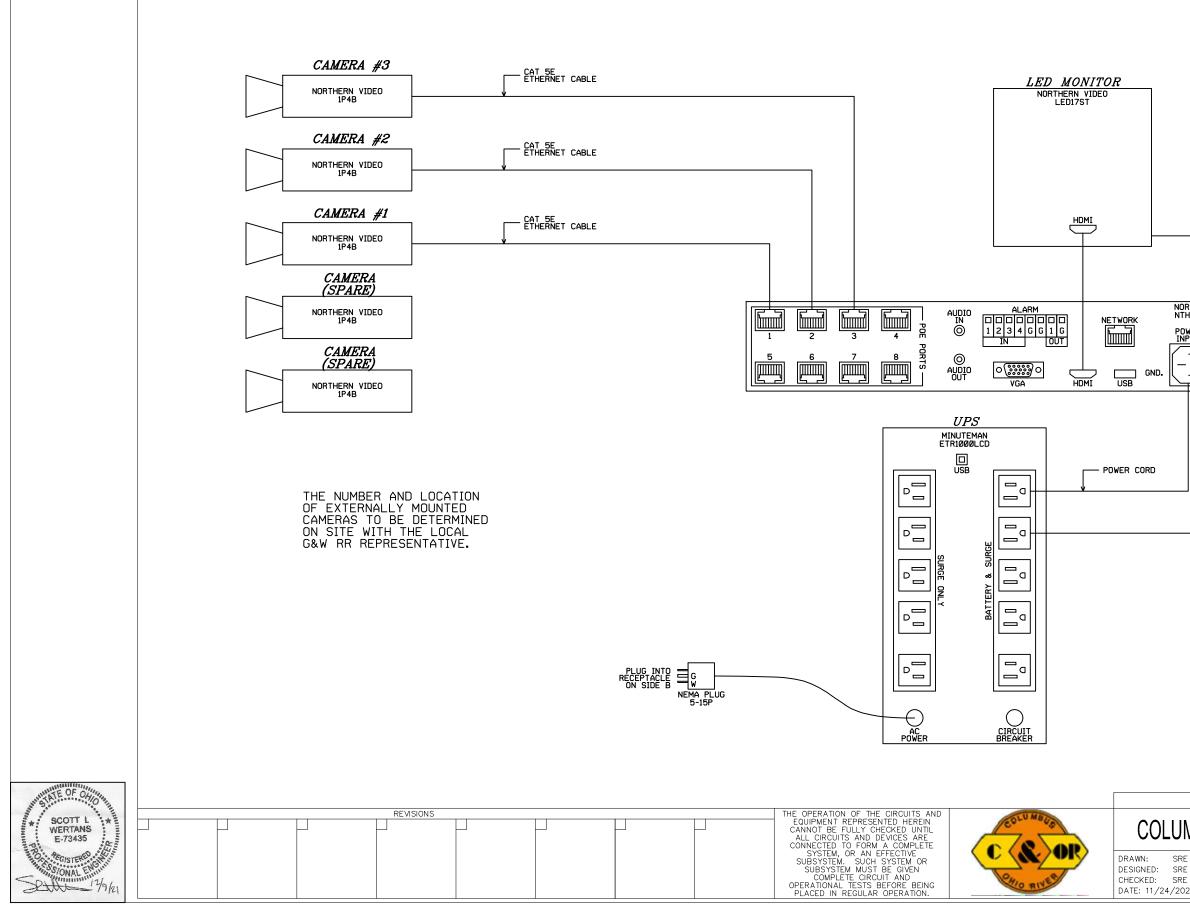
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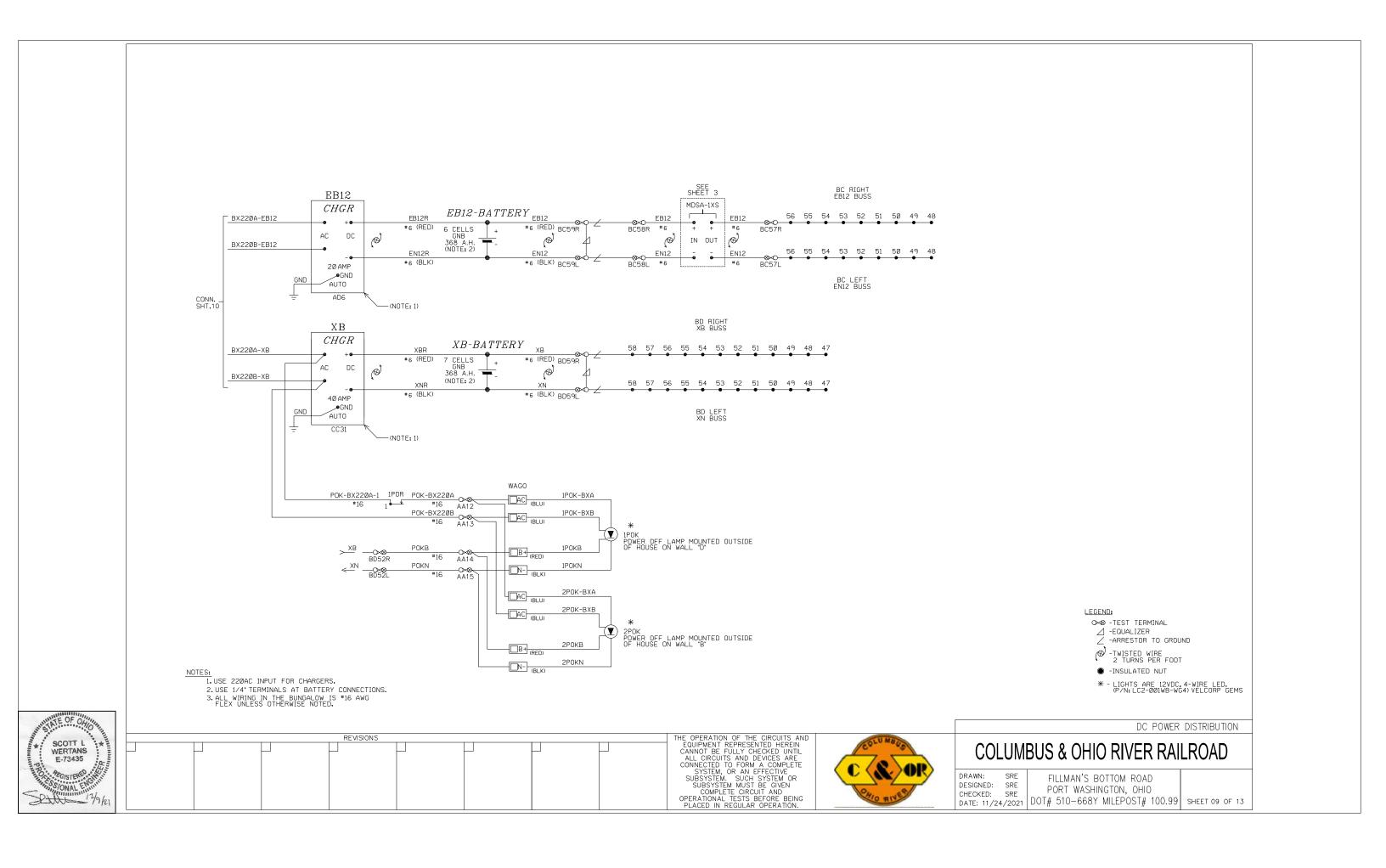
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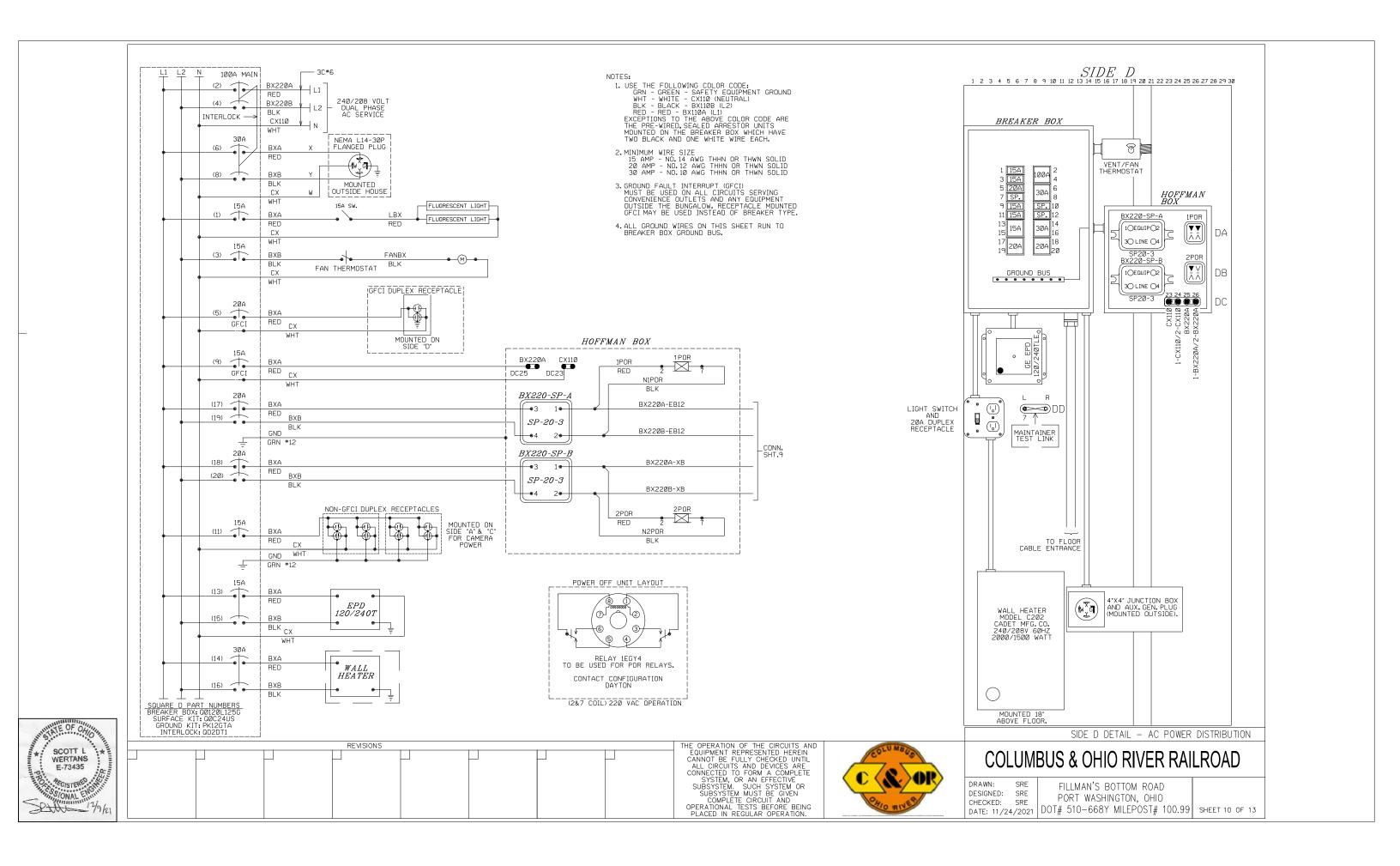


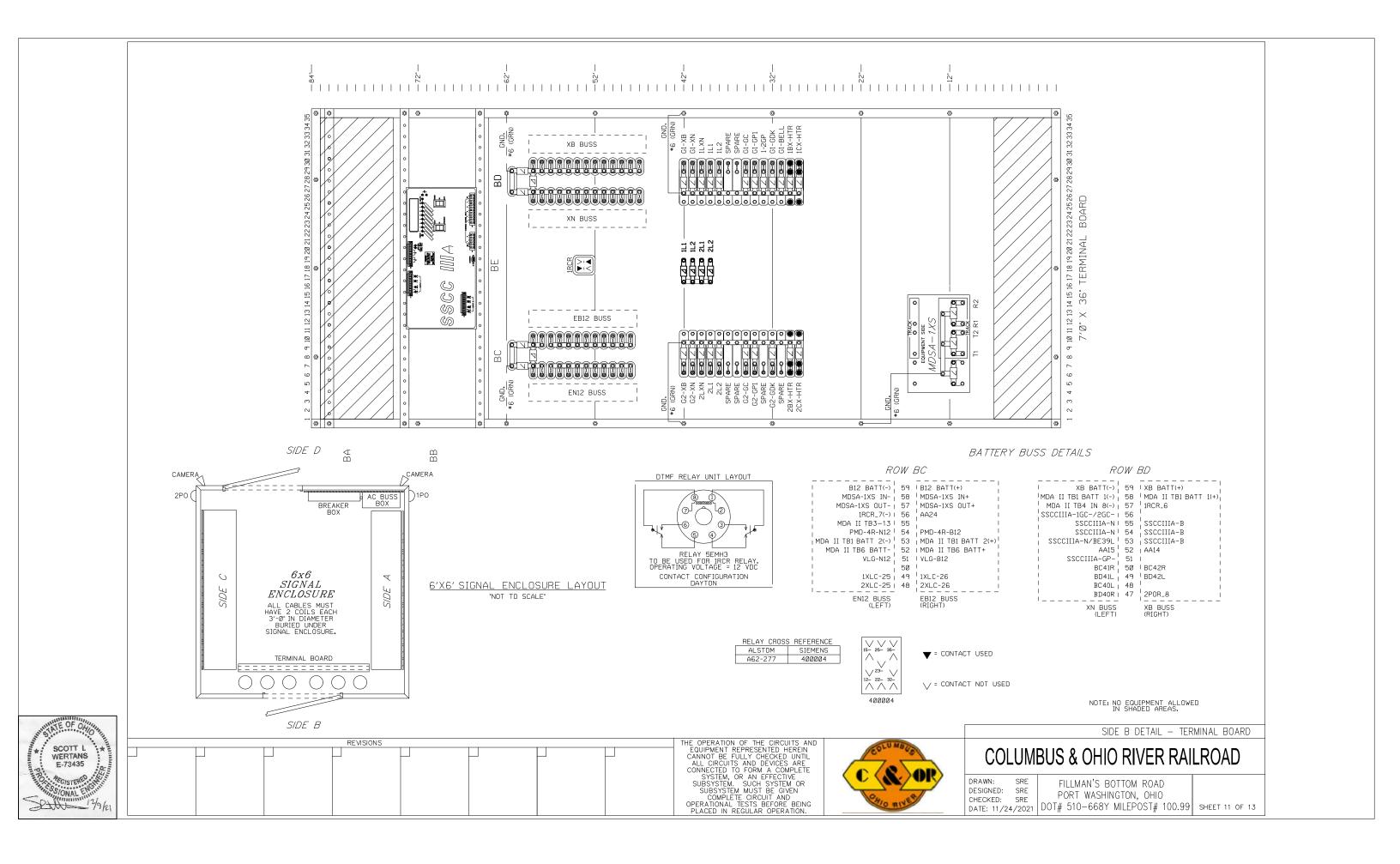


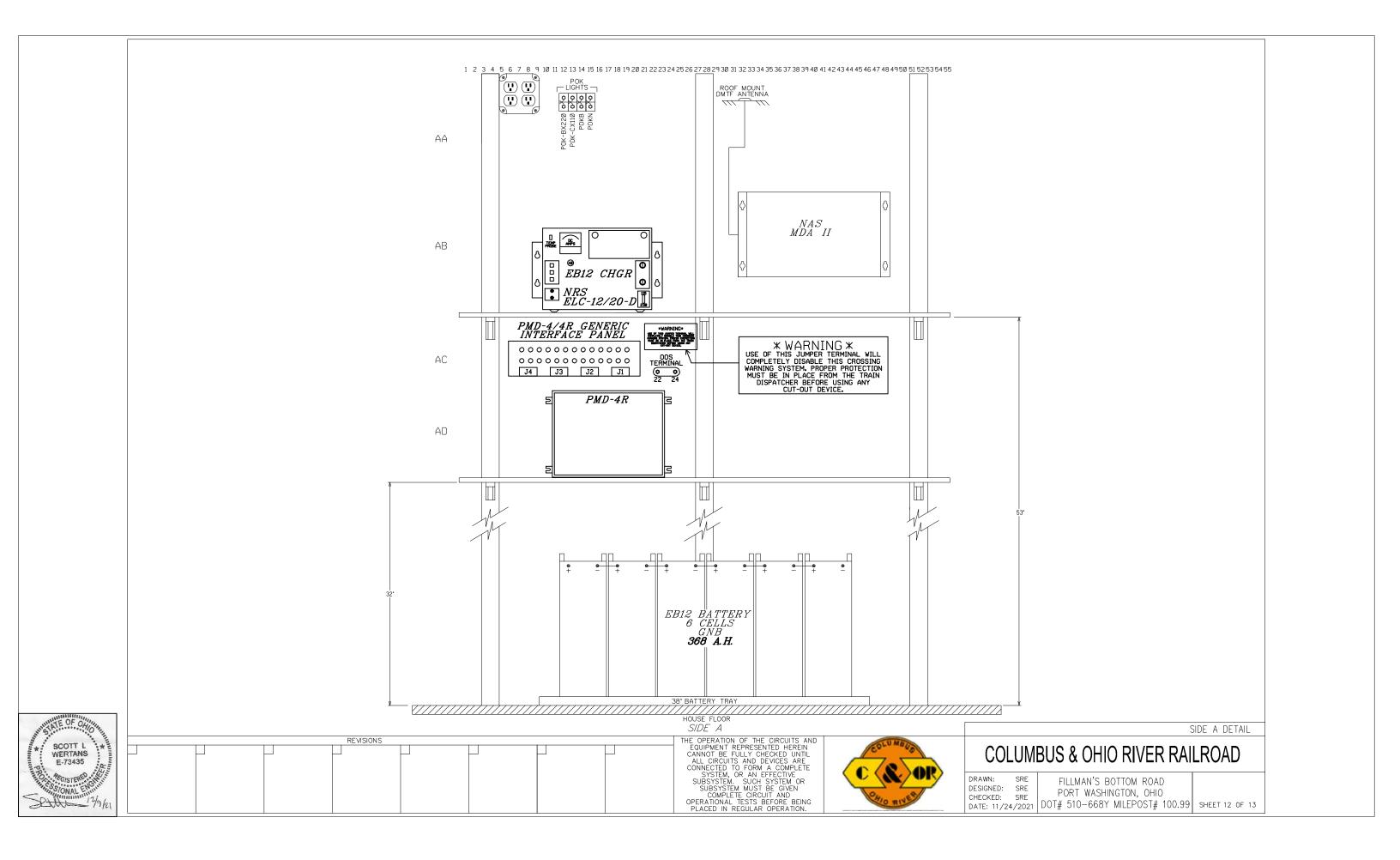


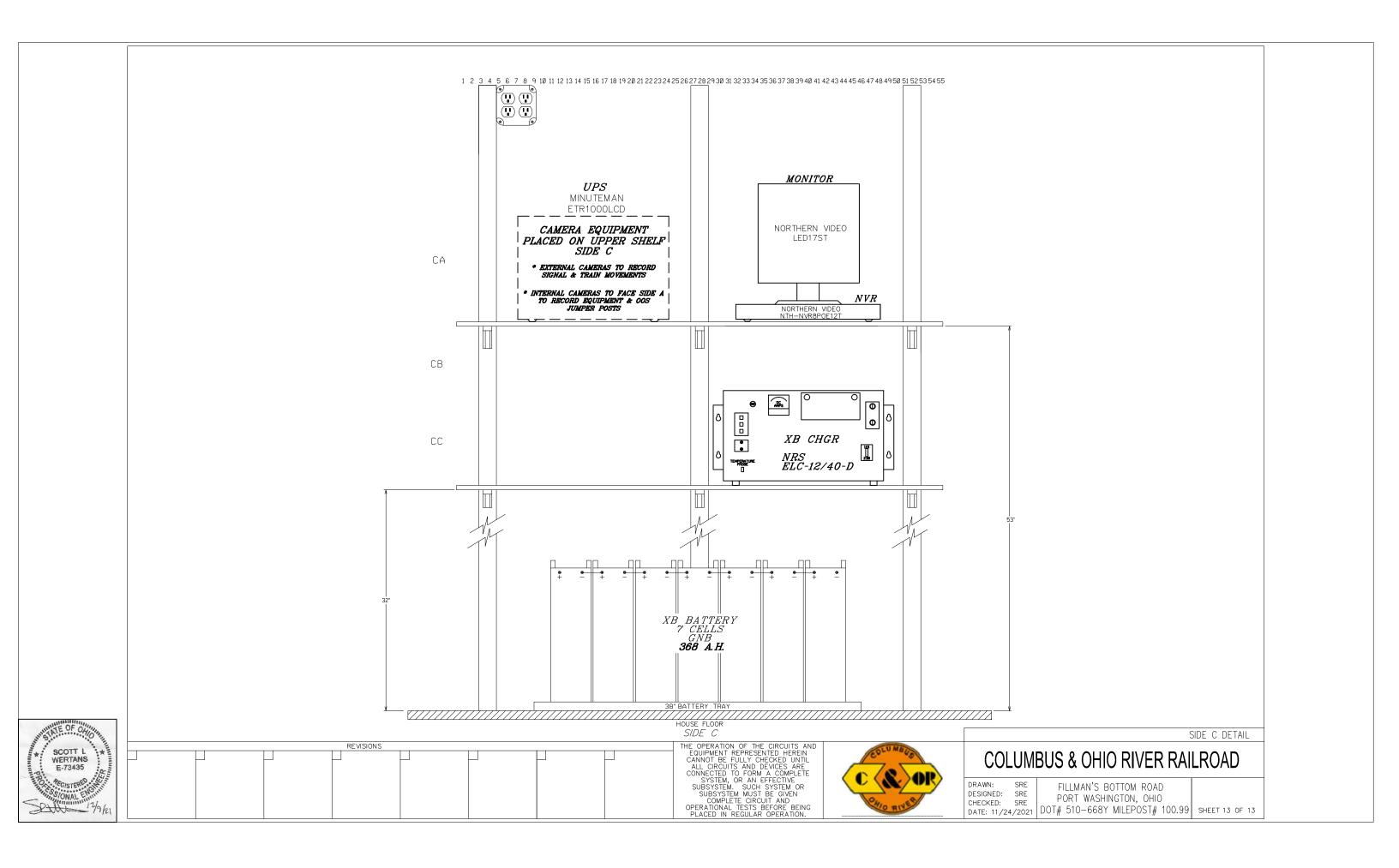
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timated prepared by:	BPB			Approved by:		Public Project Department
DATE:	03/08/21	REVISED:	<u>12/13/21</u>	DATE:	<u>12/13/21</u>	

Α	В	С
CUOH TR-208 (FILLMANS BOTTOM ROAD) #510668Y SALAM		., OH
2 TCR RAIL SYSTEMS SUPPLIED MATERIAL		<u>.</u>
3 6X6 CONTROL HOUSE	1	EA
PMD-4R CWT SINGLE TRACK REDUNDANT	1	EA
	1	EA
	1	EA
7 CAMERA SYSTEM	1	EA
3 NAS II DATA UNIT	1	EA
BATTERY CHARGER 20A	1	EA
0 BATTERY CHARGER 40A	1	EA
1 BATTERY GNB 368 AH	13	CELL
2 4 POST BLOCK	38	EA
3 LIGHTNING ARRESTER, HEAVY DUTY	38	EA
4 EQUALIZER, HEAVY DUTY	4	EA
5 SINGLE ROW TERMINAL	1	EA
6 DOUBLE ROW TERMINAL	8	EA
7 INSUL. TEST LINK ASSEMBLY	90	EA
8 AAR HARDWARE	1	LOT
9 WIRE TERMINATION	1	LOT
0 WIRE TAGS	1	LOT
1 WIRE, #14 TOWER & CASE WIRE (BLUE)	500	FT
2 WIRE, #10 TOWER & CASE WIRE (BLUE)	400	FT
3 WIRE, #6, GREEN	40	FT
4 2C#6 TWISTED CABLE (TRACK)	300	FT
5 7C#6 UG CABLE	300	FT
6 7C#9 UG CABLE	300	FT
7 3C#6 UG CABLE	100	FT
8 RAILROAD SIGNAL LOCK	5	EA
GATE CROSSING SIGNAL ASSEMBLY, EQUIPPED WITH 5" MAST, JUNCTION BOX BASE, 2-WAY MAIN MAST LIGHT UNIT WITH 12"LED, RR CROSSING SIGN, ENS SIGN, GATE MECHANISM, GATE ARM W/ LAMPS, HIGH WIND BRACKET, BELL, 9 GALVANIZED FOUNDATION	2	EA
0		
ITEMS BELOW PROVIDED BY OTHERS		
2 POWER POLE	 	
	 	
4 TRACK BONDING MATERIAL	ļ	
5 ENGINEERING / CIRCUIT PLANS	 	
6 BERM WALL	_	L
7		



RAILROAD/HIGHWAY GRADE CROSSING SITE SURVEY

RAILROAD NAME:	AILROAD NAME: Columbus & Ohio River Railroad				
LOCATION:	Port Washington, Ohio (near)				
PROJECT#:	RR# 21CUOH05R	PID#	114024		
SURVEYED BY:	Mike Forte	DATE:	4/30/2021		
ROADWAY:	TR 208, Fillmans Bottom Rd.	DOT#:	510 668Y		
SUBDIVISION:	Pan	MILEPOST:	100.99		
REGION:	Northern	SPEED:	<u>30 mph</u>		
LATITUDE:	40.3373994	LONGITUDE:	-81.5068280		
NEAREST ADDRESS: 2242 Fillman's Bottom Rd., Port Washington, OH 43837					
REVISED:					
PROJECT SCOPE (PER AGENCY ORDER/DRTS FINDINGS):					
Install flashing lights & gates with one bell					

RAILROAD CONCERNS/SCOPE ADJUSTMENTS:

SURVEY ATTENDEES:

Name	Title	Company	Email/Phone
Mike Forte	Sr. Construction Rep.	Benesch	740-817-1521
Todd Hensley	Signal Supervisor	OHCR	740-502-7214



SECTION 1 - EXISTING WARNING DEVICES

Reuse/ Signage Description Quantity Replace Crossbucks 2 Replace Stop Signs Yield Signs 2 Remove Track Signs SORS ENS/DOT 2 Replace NLT/NRT Reuse/ Equipment Quantity Description (Mast size, lens size, orientation etc.) Replace Flashing Lights Flashing Lights and Gates Cantilevers* Cant/Gate Combo Bells Bridge Signals Signal Enclosure Highway/Rail grade crossing warning equipment type DAXing for Adjacent Xings

1.1 - EXISTING WARNING DEVICES/CONTROL EQUIPMENT

*Include sketch of bolt hole pattern and spacing with measurements if existing cantilever is to be reused.

NOTES (LIST MANUFACTURER/MODEL/QUADRANT IF APPLICABLE) :

1.2 - ARE FOUNDATIONS POURED IN PLACE:
--

- **1.3 EXISTING MASTS OF CAST OR ALUMINUM:**
- 1.4 ROOM AT CROSSING TO STORE EQUIPMENT:
 - If no, specify where equipment can be stored:
- 1.5 ARE EXISTING CIRCUITRY PLANS AVAILABLE:
- **1.6** CROSSING EQUIPMENT AND TYPE, passive, relay, solid state:
- **1.7** IS THE ROADWAY BEING RELOCATED:
- **1.8** IS THERE A FRA INVENTORY REPORT:
- 1.9 EXISTING TRAIN SPEED, Timetable, General Order:

NA
NA
Yes
NA
Passive
No
Yes
30 mph



SECTION 2 - PROPOSED WARNING DEVICES

2.1 - PROPOSED WARNING DEVICES/CONTROL EQUIPMENT

Signage	Quantity	Description
Crossbucks	2	
Stop Signs		
Yield Signs		
Track Signs		
SORS		
ENS/DOT	2	
NLT/NRT		
Equipment	Quantity	Description (Mast size, lens size, orientation, etc.)
Flashing Lights		
Flashing Lights and Gates	2	
Cantilevers		
Cant/Gate Combo		
Bells	1	Bell to stop ringing when gates become horizontal
Bridge Signals		
Signal Enclosure	1	6'x6' in NW quad
Highway/Rail grade crossing		PMD-4R CWT
warning equipment type		

NOTES:

2.2	- TYPE OF FOUNDATIONS TO BE USED:	Galvanized pyramid
2.3	- ARE FOUR QUADRANT GATES TO BE INCLUDED:	No
	If yes, specify exit gate delay/dwell time:	
2.4	- ARE SIDELIGHTS REQUIRED:	No
	If yes, specify street/distance from track/quadrant:	
2.5	- CROSSING CONTROL EQUIPMENT TERMINATION:	DHWS
2.6	- ADDITIONAL EQUIPMENT RECOMMENDED:	Camera system
2.7	- IS ADDITIONAL FILL MATERIAL REQUIRED:	Yes, crushed limestone
	If yes, specify quadrant/estimate quantity:	80 tons
2.8	- BERM/CRIB WALL/PLATFORM REQUIRED:	Yes, house to have 20'x4' wall with handrail

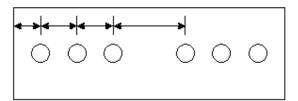


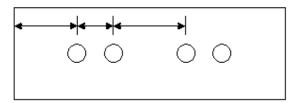
SECTION 3 – TRACK AND RAIL

3.1 - PROPOSED WARNING DEVICES/CONTROL EQUIPMENT

Track	Rail Weight	CWR	Jointed	Bond Type	Track Speed	Track Control	Rusty Rail	Ballast Condition
Mainline	140RE		Х	Head & Web	30 mph	TWC	No	Good

NOTE: All joints require new double bonds (Head and Web). SPECIFY INSULATED JOINT DIMENSIONS AND TYPE:





No

No

No

No

No

No

3.2 - ARE COMP JOINTS PRESENT:

3.3 - ARE INSULATED JOINTS REQUIRED:

If yes, quantity and location.

If yes, rail size.

If yes, poly bars or factory bonded joints.

3.4 - DO SWITCHES REQUIRE INSULATION:

If yes, show switches on FIELD SKETCH.

3.5 - ANY SHUNT-TYPE SWITCHES:

If yes, describe type and show on FIELD SKETCH:

3.6 - SHUNT ENHANCEMENT REQUIRED:

If yes, specify type:

3.7 - DO BALLAST CONDITIONS AFFECT INSTALLATION:

3.8 - HAS A BALLAST STUDY/READING BEEN PERFORMED TO DETERMINE THE BALLAST RESISTANCE:

No

If yes, attach a copy of the results.

3.9 - HAS A SPECTRUM FREQUENCY ANALYSIS BEEN PERFORMED:

No

If yes, attach a copy of the results.



3.10 - IS THE PROPOSED CROSSING LOCATED IN SIGNAL TERRITORY:	No
If yes, describe/attach a copy of the plans, CP, Approach signal(s), HWD, DED, and Rock Slide Detection Fences.	
3.11 - ARE THERE ANY EXISTING TRACK CIRCUITS:	No
If yes, describe type/attach a copy of the plans.	
3.12 - ARE THERE ANY TIE-INS OR MODIFICATIONS TO EXISITING CROSSINGS OR SIGNAL SYSTEMS:	No
If yes, describe/attach a copy of the plans.	
3.13 - ARE THERE ANY OVERLAPS IN APPROACHES WITH EXISTING CROSSINGS:	No
If yes, describe/attach a copy of the plans.	
3.14 - ARE THERE ANY SPECIAL TRAIN MOVES OR REGULAR STOPPING OR SWITCHING IN THE PROPOSED APPROACHES:	<u>No</u>
If yes, describe:	
3.15 - ARE THERE ANY QUIET ZONE REQUIREMENTS IN PROPOSED AREA OF CROSSING:	No
If yes, describe:	
3.16 - ARE THERE ANY ELECTRONIC (e.g. <i>NO TURN, DO NOT STOP ON TRACK</i>) SIGNS REQUIRED:	No
If yes, describe and show on FIELD SKETCH.	
3.17 - ARE THERE ANY SPECIAL DPU/STATE SPEED RESTRICTIONS FOR CROSSING:	No
If yes, describe.	
3.18 - ARE THERE DAXing REQUIREMENTS FOR THIS OR ADJACENT CROSSINGS:	No
If yes, describe.	



SECTION 4 – POLELINE

4.1 -	ARE RAILROAD POLELINES PRESENT:	No
	If no, skip to section 5.	
4.2 -	REMOVE ABANDONED POLELINE:	
	If yes, specify number of spans to be removed:	
	Will Underground conduit/cable be required as a suitable replacement:	
	Will an interim scheme be needed until the suitable replacement is in place?	
	SECTION 5 – P	RE-EMPTION
5.1 -	PRE-EMPTION CIRCUITRY REQUIRED:	No
	If no, skip to section 6.	
	If yes, specify name, distance and direction to intersection:	
	If yes, specify type of, distance and direction to tra signal controller cabinet:	affic
	If yes, specify type of interface, relay, electronic, communication protocol, etc.:	
	If yes, specify cable (6 twisted pair), routing and d to traffic signal controller cabinet:	istance
	If yes, specify interface names applicable to traffic signal controller cabinet, AP, SP, Isl Occ, GD, GU and/or Health:	

5.4 - AUTHORIZING AGENCY:

5.5 - ROADWAY TRAFFIC ENGINEER:

5.6 - DATE OF REQUIREMENT:



SECTION 6 – JOINT RAILROAD

6.1 - IS TRACK LEASED FROM	ANOTHER RAILROA	No			
If yes, specify railroad and o	division of maintenance				
6.2 - DOES ANOTHER RAILRO	AD OPERATE AT CRO	DSSING:	No		
6.3 - ANY JOINT FACILITIES W	ITHIN ONE MILE:		No		
If yes, specify railroad and o	division of maintenance	: :			
	SECTION 7 -	- UTIL	ITIES		
7.1 - IS COMMERCIAL POWER	AVAILABLE:		Yes		
Specify location of nearest pole:			NE quadrant, 50' north of tracks		
7.2 - POWER COMPANY NAME/CONTACT INFORMATION: <u>AEP</u> <u>888-710-4237</u>					
7.3 - NEW METER SERVICE RE	7.3 - NEW METER SERVICE REQUIRED: Yes, for 240V single phase, 100-amp panel				
If no, specify existing meter	number:				
7.4 - EXISTING UTILITY INFOR					
Company Name	Type of Utility		ne Number	Conflicts	
Ameritech	Fiber Optic Cable		-362-6427	Unknown	
AEP	Electric	800)-672-2231	None	
	Phone			Unknown	
7.5 - DESCRIBE ANY OVERHE	AD UTILITY CONFLIC	TS:			

7.6 - DESCRIBE ANY UNDERGROUND UTILITY CONFLICTS: Unknown

7.7 - UTILITIES PARALLEL TO TRACKS:

Two F.O.C. on south side of tracks

7.8 - NEAR COMMERCIAL HIGH-TENSION LINES:

7.9 - NEAR COMMERCIAL SUBSTATIONS:

No

No



SECTION 8 – OBSTRUCTIONS

8.1 - OBSTRUCTIONS TO VISIBILITY OF DEVICES: None

If no, skip to section 9.

8.2 - SOLUTION FOR OBSTRUCTION (PROVIDE CONTACT INFORMATION FOR OWNER):

SECTION 9 – ROADWAY DATA

9.1 - TYPE OF ROADWAY SURF	ACE:	Asphalt
If different, specify crossing si	urface type:	24' full timber
9.2 - EXISTING ROADWAY WIDT	H:	16', widens for crossing surface
If present, specify shoulder w	idth:	<u> 1' </u>
9.3 - PROPOSED ROADWAY WIE	DTH:	NA
If present, specify shoulder w	idth:	
9.4 - CROSSING ANGLE:		<u>73°</u>
9.5 - VEHICLE SPEED:		55 mph (not posted)
9.6 - IS CURBING PRESENT/REG	QUIRED:	No/No
9.7 - ARE SIDEWALKS PRESENT	-:	No
If yes, will they interfere with v	warning devices:	
9.8 - ARE PEDESTRIAN GATES F	REQUIRED:	No



SECTION 10 – SITE INFORMATION

10.1 - ENCROACHMENTS WITHIN RR PROPERTY:	No
If yes, describe, photograph, and include on FIELD SKETCH:	
10.2 - WILL TOPOGRAPHY AFFECT INSTALLATION:	Yes
If yes, describe, photograph, and include on FIELD SKETCH:	About 4' of fill needed for house, less for gates
10.2 - WILL DRAINAGE BE AFFECTED:	No
If yes, describe, photograph, and include on FIELD SKETCH:	
10.3 - CULVERTS BE EXTENDED/RELOCATED/REQUIRED	: <u>No</u>
10.4 - CONDUIT LENGTH REQUIRED:	Vendor to field verify
10.5 – SITE SKETCH:	Near electric pole
	Fiber optic cable vault, paint marks, and posts appear parallel to tracks on south side and toe of RR embankment
Phone pedestal	

Location of proposed signal house w/retaining wall and driveway, fill needed

Proposed flashers & gates with fill needed

Same Tall



10.6 - ADDITIONAL COMMENTS/DETAILS/CONFLICTS:

Existing rail is bonded, replace all bonds.

County GIS map shows 100' of railroad right-of-way and tracks appear offset from centerline about 5' north.

10.7 - NE QUADRANT:

Near electric utility pole with wires along east side of highway.

10.8 - NW QUADRANT:

Existing crossbuck with yield sign and proposed flashers and gate location with fill needed. A phone pedestal near residence and utility paint marks at the crossing along the west side of highway. Proposed 6'x6' signal house and driveway. About 4' of fill and berm wall required for house.

10.9 - SE QUADRANT:

Existing crossbuck with yield sign and proposed flashers and gate location with fill needed. Overhead electric is 33' 4" above grade at proposed gate location. Fiber optic cable vault and paint marks. Fiber optic marker post at toe of railroad embankment. Electric utility pole with wires along east side of highway.

10.10 - SW QUADRANT:

Fiber optic cable paint marks. Fiber optic marker post at toe of railroad embankment.



SECTION 11 – PHOTO LOG

NE Quad viewing east



NE Quad viewing south



NE Quad viewing west



SE Quad viewing east, proposed flashers & gate location with fill needed





SE Quad viewing west, fiber optic cable vault and paint mark in view, proposed flashers & gate location with fill needed



SW Quad viewing north, near electric pole in view



SW Quad viewing east



NW Quad viewing west, proposed flashers & gate location with fill needed, proposed driveway & signal house location will fill and berm wall required



NW Quad viewing south, proposed flashers & gate location with fill needed



NW Quad viewing east, proposed flashers & gate location with fill needed



Fiber optic cable marker in SW Quad at toe of railroad embankment (Not shown, similar marker in SE quadrant)





Rail Development Commission

Mike DeWine, Governor Jon Husted, Lt. Governor Scott Corbitt, Chair

March 8, 2021

Mr. Len Wagner President & Legal Official (SVP) Genesee & Wyoming/CUOH 201 N. Penn Street Punxsutawney, PA 15767

RE: PE Authorization for TUS CUOH TR208/Fillmans Bottom Rd DOT# 510668Y PID# 114024

Dear Mr. Wagner:

A diagnostic review was held at the above grade crossing on August 13, 2020. The crossing has been recommended for the installation of lights and gates at the Genesee & Wyoming/CUOH grade crossing DOT# 510668Y.

Genesee & Wyoming/CUOH is authorized to proceed with the site plans and cost estimates or bid package 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. 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.

The diagnostic review form is attached. Please note any recommendations (page 7), if any, made by the team about 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.

The Project Manager for this project is Greg Gronbach. Greg Gronbach can be reached at (614) 745-6760, or Gregory.Gronbach@dot.ohio.gov, if you have any questions.

Sincerely,

twh Greg Gronbach Project Manager

C: John Williams, Director, Transportation Department, PUCO Jill Henry, Rail Division Chief, PUCO Heather Hamilton, ORDC ORDC (file)

Improving Rail Today for Tomorrow's Economy



Attachments: 3 (diagnostic review form, letter agreement, purchase order)





M. Beth Trombold Lawrence K. Friedeman Dennis P. Deters Daniel R. Conway

November 13, 2020

The Columbus & Ohio River Rail Road Company Mr. Jared Rishel AVP Engineering Northern Region Genesee & Wyoming Inc. 4349 Easton Way Suite 110 Columbus, OH 43219

> Re: Tuscarawas County, Fillmans Bottom Road/TR 208, DOT#510-668Y, hereinafter referred to as the "Project"

Dear Mr. Rishel:

The Public Utilities Commission of Ohio (PUCO) has identified and the Ohio Rail Development Commission (ORDC) surveyed, on August 13, 2020, 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. 009-A, dated May 28, 2001, entered into by the State of Ohio and The Columbus & Ohio River Rail Road Company (RAILROAD). 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 and 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.

Page 2 of 2 Fillmans Bottom Road/TR 208 Tuscarawas County Columbus & Ohio River Railroad

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,

John D. Williams Director, Transportation Public Utilities Commission of Ohio

The Columbus & Ohio River Rail

Road Company By

Title President

Date 12/11/2020

Matthew Dietrich Executive Director Ohio Rail Development Commission

All Tutus 1/21/2021 Date

TR 208 / Fillman's Bottom Road (DOT #510668Y) , Salam Township, Tuscarawas County, CUOH 8/13/2020

Crossing at a glance:

ORDC Notes:

		Pleas	e Sign In
Greg Gron	bach		ORDC
Name	Title		Organization
			X the
	Phone Number	Email	/Signature
Todd Hensl	еу		СИОН
Name	Title		Organization
	740-502-7214		Todd
	Phone Number	Email	Signature
SHAWN Z.	JRFLET		PUCO
Name	Title		Organization
	330-417-2590		
•	Phone Number	Email	Signature
PATTY ART	4		SALEM TOWNSHIP
Name	Title		Organization
	·		
~	Phone Number	Email	Signature
GENARO I	DEMONTE	au, er i i	TUSCARAWAS CO
Name	Title		Organization
	567-203-3521		Then a Danty
	Phone Number	Email	Signature
DJ MEEK			SALEM TOWNSHIP
Name	Title		Organization
	330-340-8462	····	- Allak
	Phone Number	Email	Signature
	CIKER		SALEM TOWNSHIP
Name	Title		Organization
	740-227-0144		
	Phone Number	Email	Signature
Name	Title		Organization
	Phone Number	Email	Signature

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

Date: 8/13/2020

Location Data					
Street or Road Name:		Fillman's Bottom Road			
County: Tuscarawas	Township:	Salem	US DOT No.:	510668Y	
City (in or near): near Port Washi	ngton Railroad Name:	CUOH	RR Milepost:	100.99	
Safety Data (Obtain crash r	eports, if possible)				
	Initial Inform	ation (from database)		Revised	
Number & dates of vehicle crashes in previous 5 years:	1	- 10/19			
Number & dates of pedestrian/bicycle crashes in previous 5 years:					
Hazard Ranking: 231	Date Run:	04/08/2020	1		

Existing Traffic Control Devices				
Type of Warning Devices	Insta	lled?	Quantity/Comment	ts
HIGHWAY				
Advance Warning Signs (condition?)	🗆 Yes	⊠.No		
'Stop' Signs	🗆 Yes	⊠ No		· ·
'Stop Ahead' Signs	🗆 Yes	⊠ N₀		
Pavement Markings (condition?)	🗆 Yes	X No		
Dynamic Envelope Markings (condition?)	🗆 Yes	⊠ `No		
Illumination	🗆 Yes	X N₀		
'No Turn' Signs (highway/passive)	🗆 Yes	⊠ ″No		
Barriers/fencing (pedestrian/bicycle)	🗆 Yes	No No		
LOOK Sign	🗆 Yes	X No		
Do Not Stop On Track Sign	🗆 Yes	X No		
RAILROAD				
Crossbucks	📈 Yes	□ No		
Crossbucks – assembly with Stop	🗆 Yes	KN₀		
Crossbucks – assembly with Yield	X Yes	🗆 No		
Mast-Mounted Flashing Lights	🗆 Yes	₩ No		
Cantilever Flashing Lights	🗆 Yes	K N₀	Number: Length:	
Side Lights		X No		
LED or Incandescent Lights? Size?	🗆 Yes	Ø∑No		
Automatic Gates	🗆 Yes	K No	Number: Length:	
Bells	🗆 Yes	No	Number:	
Sidewalk/Pedestrian Gate Arms	🗆 Yes	⊠ No	Number: Length:	
'No Turn' Signs (railroad/active)	🗆 Yes	X.No		
Is crossing flagged by train crew?	🗆 Yes	KÍ No		
OTHER	XYes	□ No	2-BLUE ENS	

Railroad Data					
Type of Train: 🗹 Freight 🛛 Intercity Passenger 🗆 Transit 🗔 Shared Use Transit 🗔 Commuter 🗔 Tourist/Other					
Railroad Characteristics	Initial Information (from database)	Revised			
Total trains per day	2				
<1 per day? Trains per week	-				
Day thru trains	Z				
Night thru trains	0	2			
Switching	0				
Total number of tracks	1				
Number of main tracks	1				
Number of other tracks	0				
Maximum train speed	30				
Typical train speed	0-30				
Amtrak	-				
Are there other track(s) crossing this same roadway within 100ft of this crossing? Yes XNo					
If yes, Crossing DOT# (if different)					
If yes, distance (take measurement between track centerlines at closest point along roadway)					
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 the crossing? 🛛 Yes (explain below) 🖓 No					
Can one or more tracks be eliminated through the crossings?					
Comments:					
Circuitry: Constant Warning Time Motion Detection AFO PTC DC Constant Warning Time Motion Detection					

Roadway Data						
Local Highway Authority:	Salem Township					
Roadway Characteristics	Initial Information	ı (from database)	Revised			
Average Daily Traffic	77. Horn of crossing	g at US - 36 (2018)	137 (2014) PER PUCO			
Highway Paved	🗹 Yes 🗆 No		🗆 Yes 🛛 No			
Roadway Surface: 🗹 Blacktop 🛛 Gravel 🗆	Concrete Other					
Roadway width (paved/travelled way):	<u>23ft</u>					
Number of Highway Lanes	2	2				
Urban or Rural	Rural -	Local				
Vehicle Speed:MPH 55						
School Bus Operation: 🏹 Yes 🛛 No	Amount <u>4</u>	_				
Location of nearby schools: Port WASH	INGTON ELEME	NTARK - LESS	THAN YA SOUTH			
			LHA verified/changed?			
Shoulders: Yes XNo Is the Shoulder Surfaced? Yes XNo If yes, shoulder width:ft. Is there existing guardrail along the roadway in crossing vicinity? Yes XNo Crossing Angle 0-29° 30-59° If 60-90° Measured in Quadrant?						
			Quadrant NE Curb & Gutter:		Quadrant 5N	Curb & Gutter:
			□ Functional (Curb height = 4" or more)		🗆 Functional (Curb h	eight = 4" or more)
🗆 Non-functional (Curb height = less than 4")	🗆 Non-functional (Cu	rb height = less than 4")			
\$ CNone		D None				
Is there a nearby intersection that could cause	e queuing over the cross	sing? 🗆 Yes 😿 🕅	Νο			
If yes, distance						
Is this intersection signalized? Yes No						
Are there signals currently interconnected with the existing crossing warning devices? Yes Yo						
Is there a 'Do Not Stop on Track' sign? 🗆 Yes 🕱 No						
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?						
If yes:						
Improvement type	Lead Agency	Tir	neline/completion			

	Pedestrian & Bicycle Data
ê	Regular pedestrian usage: □ Yes XNo Volumes: □ Occasional □ <20 □ 20-60 □ >60
	Is sidewalk present in the approach? 🗆 Yes 🛛 XNo Quadrants:
	Does crossing surface accommodate pedestrians? 🛛 Yes 🖾 No
	Both sides of roadway? 🗆 Yes 🛛 🖾 No If no, which side is paved?
	Pedestrian generators in close proximity (e.g. schools, sports/entertainment venues)? Yes No
	Comments:
	Regular bicycle usage: 🗆 Yes 🛛 🕅 No
	□Roadway □ Dedicated Lane (on street) □ Dedicated Path (off street) □ Shared Use (pedestrian/bicycle) Path □ Bikes must use sidewalk
•	Future plans for pedestrian or bicycle routes? 🗆 Yes 🕱 No
	Comments:
1	
	Utility Information
	ls commercial power available? 🕱 Yes 🗆 No
*	Utility Provider (Company Name) AEA
	Nearest Available Power Source AT CROSSING
	What other utilities are present? Gas Cable Telephone Fiber Optic Cable (add locations to sketch) Petroleum Water Sanitary Sewer Other
	Comments:

Surface

Surface review form completed?

SUNFACE GOOD

Sight Preview (REFER TO TABLES)	
lf non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table I) 🗆 Yes 🕱 No	
ls stopping sight distance adequate? (See Table 2) 🕅 Yes 🛛 No If no, which quadrant?	
When considering recommendations for bicycle treatments:	
Bicycle sight distance adequate? 🕅 Yes 🛛 🗆 No 🛛 If no, which quadrant?	
When considering recommendations for pedestrian treatments:	
Pedestrian sight distance adequate? 🛱 Yes 🛛 No If по, which quadrant?	

Ø №

🗆 Yes

	Potential Red Flags / Project Challenges
	Traffic Signal Preemption (include traffic signal intersection name and LHA with jurisdiction over traffic signal, if known):
	NO
	Crossing Consolidation or Closure:
•	NO
ľ	Real Estate or ROW:
	NO
$\left \right $	Culvert / Drainage / Ballast Conditions:
	NO
	Roadway and/or Sidewalks:
	NO
+	Circuitry (e.g. reaches out to other crossings, specific needs, etc.):
	NO
-	Environmental:
	NO
awa daamaa ahaa ahaa ahaa ahaa ahaa ahaa a	Utilities: VES - FIBER IN BOTH NE + SW QUADS NEAR AMEAS FOR 1/G FOUNDATIONS
	Other:

A CONTRACT OF THE PARTY OF THE	250 YE 3946 425	100100000	States and the states of the s
Potei			1 2 - 12
1234 14 4 - 1	147.483.	~1.(*,).1	- 1 G - 12
and the second se	Standing - Alle	CONTRACT AND ADDRESS	Sec. 60 (1998)

Is it the consensus of the Diagnostic Review Team that this is a potential closure project? NO

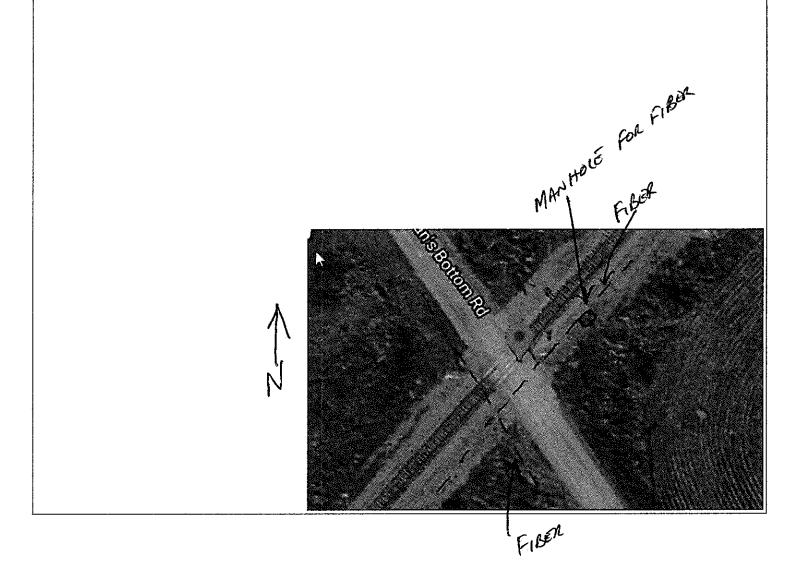
TO OXPANSION OF MINING IN NW QUAD. ONLY Explain reasons: Due

ROAD FOR RESIDENTS.

Diagnostic Team Recommendations	
No improvements needed	Quadrants Needed
Sinstall/upgrade active devices	Quartanta Hococo
Automatic Flashing Lights (AFLS)	
□ AFLS /Cants	
AFLS / Gates	
\Box AFLS / Gates / Cants	
S Bells / number	1
Upgrade circuitry / type	
LED Upgrades	
Guardrail Needed	
Install/Replace curb	· · · · · · · · · · · · · · · · · · ·
Bungalow placement & offset from rail & highway	NW GJAD
□ Other (define)	
Comments:	
Diagnostic Team Recommendations (cont.)	
PEDESTRIAN/BICYCLE Treatments (additional, not in	Sidewalk (specify)
Detectable warning surfaces	LOOK Sign (R15-8)
□ Stop lines	
Dynamic envelop markings	
□Path delineation	
Comments:	
	presented at the diagnostic must have at least one signature/initial
DJm GPA	2 Mp
	· · · · · · · · · · · · · · · · · · ·

Field Sketch (optional)

Include utilities as marked by OUPS and LHA; include ROW boundaries as indicated by railroad and LHA.



Clearing Sight Distances

Maximum Authorized Train	Distance (dT) Along
Speed	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
	L

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 <u>non-gated crossings</u> 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.

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.

Crossing of one track								Crossing 2 Tracks		Crossing 3 Tracks	
Train Speed	Car	Single-unit Truck	Bus	WB-50 Semitruck	65-foot Double Truck	Pedestrian ¹	Bicyclist ²	Pedestrian ¹	Bicyclist ²	Pedestrian ¹	Bicyclist
10	105	185	200	225	240	120	100	180	1.20	240	140
20	205	365	400	450	485	240	200	360	240	480	270
25	255	455	500	560	605	300	250	450	290	590	340
30	310	550	600	675	725	(360)	(290)	530	350	710	410
40	410	730	795	895	965	480	390	710	470	9 50	540
50	515	910	995	1,120	1,205	590	490	890	580	1180	670
60	615	1,095	1,195	1,345	1,445	710	580	1060	700	1420	810
70	715	1,275	1,395	1,570	1,680	830	680	1240	810	1650	940
80	820	1,460	1,590	1,790	1,925	950	780	1420	930	1890	1080
90	920	1,640	1,790	2,015	2,165	1060	870	1590	1040	2120	1210

Bicycle & Pedestrian Clearing Sight Distances

¹ Walking 3.5 feet per second across tracks 15 feet apart, with a 2-second reaction time to reach a decision point 10 feet before the center of the first track, and clearing 10 feet beyond the centerline of the second track.

² Bicycling 8 miles per hour across tracks 15 feet apart, from a stopped position 10 feet before the center of the first track with an acceleration of 2.5 feet per second, and clearing 10 feet beyond the centerline of the second track on a bike of 6 feet length.

10

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

3/23/2022 4:49:19 PM

in

Case No(s). 22-0239-RR-FED

Summary: Application In the Matter of a Request for the Installation of Active Warning Devices at the Columbus & Ohio River Railroad Crossing, DOT#510-668Y, Fillman's Bottom Road, in Tuscarawas County, Ohio. electronically filed by Mrs. Jill A. Henry on behalf of PUCO/Rail Division