

**ATTN: Michael Scheib**

**BEFORE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

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In Re: Application of Aqua Pennsylvania, Inc. for Approval of the alteration of the crossing (U.S.DOT – 589 859 F) where Ulmer Avenue crosses at-grade tracks operated by Conrail at milepost 0008.65 located in Oreland in Montgomery County, Pennsylvania.

Application Docket No.:

To the Pennsylvania Public Utility Commission:

1. The name and address of applicant is Aqua Pennsylvania, Inc., 762 West Lancaster Avenue, Bryn Mawr, Pennsylvania 19010.
2. The name and address of the applicant’s attorney is Frances P. Orth, Esquire, 762 West Lancaster Avenue, Bryn Mawr, Pennsylvania 19010.
3. Aqua Pennsylvania, Inc. is the local public water supplier.
4. By this application, approval is sought to connect to the existing 12-inch steel pipe in a existing 16-inch steel casing in the road at the crossing of Ulmer Ave located at milepost 0008.65. The crossing number is U.S.DOT- 589 859 F operated by Conrail in Montgomery County, Pennsylvania.
5. To the best of the applicant’s knowledge, the name and addresses of the persons, parties and entities potentially concerned in or affected by the proposed construction are:

PECO 2301 Market Street P.O. Box 8699 Philadelphia, PA 19101 Attn: Engineering Department Charles.dettling@exeloncorp.com	Verizon Pennsylvania, LLC 1050 Virginia Drive Floor 4 Fort Washington, PA 19034-3102 Attn: Kelly Blount
Bucks County Water & Sewer Authority 1275 Almshouse Road Warrington, PA 18976 Attn: Authority Engineer	Transcontinental Gas/William Gas 99 Farber Rd Princeton, NJ 08540' Attn. Richard Ricketts richard.ricketts@williams.com
Rail Safety Division-Engineering Section Bureau of Technical Utility Services Attn: Michael B. Scheib micscheib@pa.gov	PAPUC Railroad Crossing Applications Penn DOT Right of Way and Utilities Division Penn Dot Bureau of Design P.O. Box 3362 Attn: Larry Ditty lditty@pa.gov

PennDOT District 6-0 7000 Geerdes Boulevard King of Prussia, PA 19406-1525 Attn: Mary Ann Lang malang@pa.gov	Gina M. D'Alfonso Assistant Counsel in Charge Department of Transportation Office of the Chief Counsel 9 <sup>th</sup> Floor P.O. Box 8212 Harrisburg, PA 17105-8212
Springfield Township Manager 1510 Paper Mill Road Wyndmoor, PA 19038 Attn: A. Michael Taylor	CSX Transport. Track Analyst Corridor Services 500 Water Street Jacksonville, FL 32202 Attn: Nick Jenkins Nicholas.jenkins@CSX.com
Montgomery County Board of Commissioners P.O Box 311 Norristown, PA 19404-0311 Attn. Thomas DiBello thomas@montgomerycountypa.gov	Comcast 1004 Cornerstone Blvd Downingtown, PA 19335 Attn: Tom Russo tom_russo@cable.comcast.com
Total Engineering & Consulting Services LLC 1547 Dekalb St Norristown PA 19401 Attn: Elizabeth Sobel esobel@totalengineeringllc.com	Aqua Pennsylvania 762 Lancaster Ave Bryn Mawr, PA 19010 Attn: Scott Steffy srsteffy@aquaamerica.com

6. The cost of this portion of the project is estimated to be \$600.00. The project will be entirely funded and maintained by Aqua Pennsylvania, Inc.
7. The alteration is necessary or proper because it will improve water distribution operations and maintenance.

Wherefore, applicant requests the Commission approve this highway railroad crossing application.

RESPECTFULLY SUBMITTED:

**Aqua Pennsylvania, Inc.**


Date: 3/23/2026

By:   
 Scott R. Steffy, Engineer III

# VERIFICATION

I, Elizabeth Sobel, Vice President at Total Engineering and Consulting Services, LLC., hereby state that the facts above set forth are true and correct (or are true and correct to the best of my knowledge, information, and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: 3/23/2026

A handwritten signature in black ink, appearing to read "Elizabeth Sobel", written over a horizontal line.

Elizabeth Sobel

# CERTIFICATE OF SERVICE

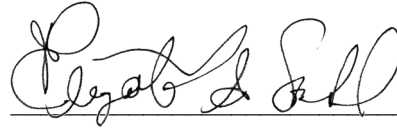
I, Elizabeth Sobel, Vice President at Total Engineering and Consulting Services, LLC., hereby certify that I have this day served a true copy upon the participants, listed below, in accordance with the requirements of 52 PA Code Section 1.54.

## By U.S. 1<sup>st</sup> Class Mail

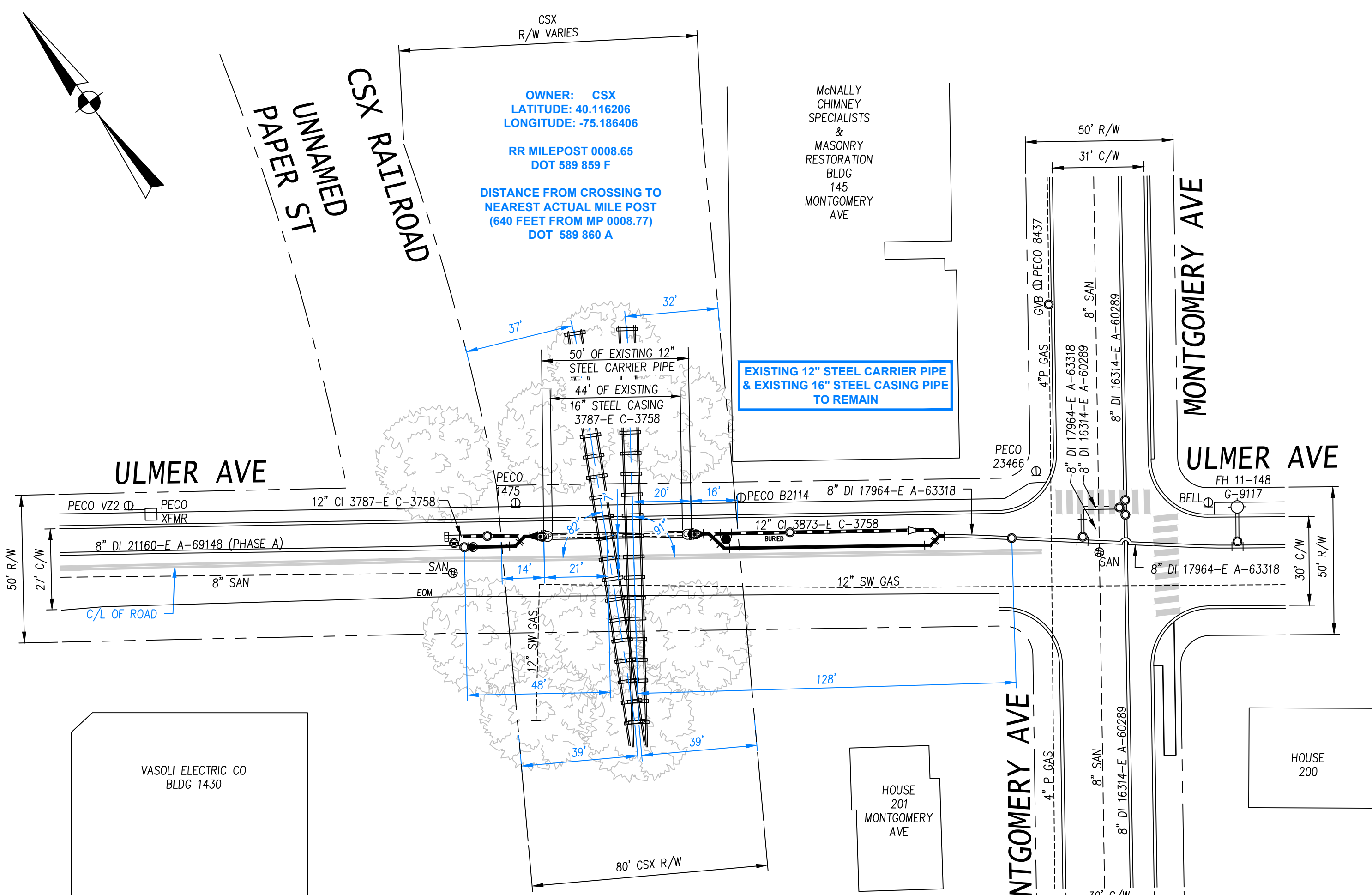
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Total Engineering & Consulting Services LLC 1547 Dekalb St Norristown PA 19401 Attn: Elizabeth Sobel esobel@totalengineeringllc.com	Aqua Pennsylvania 762 Lancaster Ave Bryn Mawr, PA 19010 Attn: Scott Steffy srsteffy@aquaamerica.com
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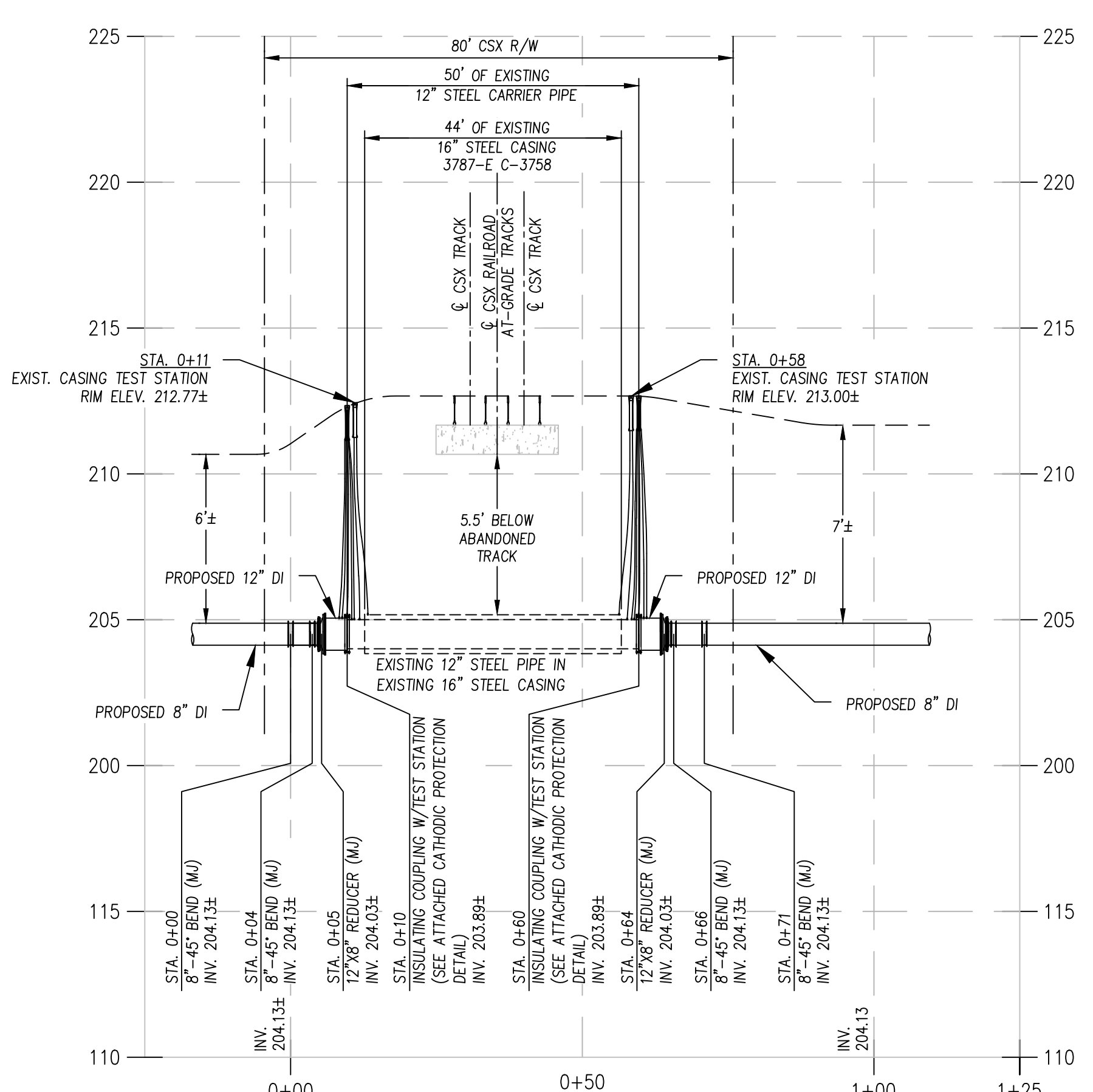
Dated: 3/23/2026



Elizabeth Sobel



PLAN FOR WATER MAIN TIE-IN  
ULMER AVE AT CSX RAILROAD  
SCALE - 1"=30'



PROFILE/TIE-IN - ULMER AVE AT CSX RAILROAD  
US DOT 589 859 F - MILEPOST 0008.65  
SCALE - HORIZ: 1"=20' VERT: 1"=4'  
ALL ELEVATIONS ARE APPROXIMATE TEST HOLES REQUIRED TO  
CONFIRM DEPTHS OF EXISTING FACILITIES

CSX CONSTRUCTION REQUIREMENTS

METHOD OF INSTALLATION - NONE (EXISTING 12" CARRIER PIPE & EXISTING 16" CASING PIPE TO REMAIN)

1. GENERAL REQUIREMENTS-

- 1.1. BORED, JACKED, OR TUNNELED INSTALLATIONS SHALL HAVE A BORE HOLE ESSENTIALLY THE SAME AS THE OUTSIDE DIAMETER OF THE PIPE PLUS THE THICKNESS OF THE PROTECTIVE COATING.
- 1.2. THE USE OF WATER OR OTHER LIQUIDS TO FACILITATE CASING EMPLACEMENT AND SPOIL REMOVAL IS PROHIBITED.
- 1.3. IF, DURING INSTALLATION, AN OBSTRUCTION IS ENCOUNTERED WHICH PREVENTS INSTALLATION OF THE PIPE IN ACCORDANCE WITH THIS SPECIFICATION, NOTIFY CSXT IMMEDIATELY, ABANDON THE PIPE IN PLACE, AND IMMEDIATELY FILL WITH GROUT. A NEW INSTALLATION PROCEDURE AND REVISED PLANS MUST BE SUBMITTED TO, AND APPROVED BY, CSXT BEFORE WORK CAN RESUME.

2. OPEN CUT-

- 2.1. THE OWNER MUST REQUEST OPEN CUT APPROVAL WHEN MAKING APPLICATION FOR OCCUPANCY. ALL PROCEDURES WILL BE IN COMPLIANCE WITH AREMA CHAPTER 1 SECTION 5.1.5.1(6).
- 2.2. INSTALLATIONS BENEATH THE TRACK BY OPEN TRENCH METHODS WILL BE PERMITTED ONLY WITH THE APPROVAL OF THE CHIEF ENGINEER, DESIGN AND CONSTRUCTION.
- 2.3. INSTALLATIONS BY OPEN CUT WILL NOT BE PERMITTED UNDER MAINLINE TRACKS, TRACKS CARRYING HEAVY TONNAGE OR TRACKS CARRYING PASSENGER TRAINS. ALSO, OPEN CUT SHALL NOT BE USED WITHIN THE LIMITS OF HIGHWAY/RAILROAD GRADE CROSSING OR ITS APPROACHES, 25 FEET EITHER SIDE OF TRAVELED WAY, WHERE POSSIBLE.
- 2.4. RIGID PIPE (RCP, VCP, AND PCCP) MUST BE PLACED IN A CLASS B BEDDING OR BETTER.
- 2.5. AT LOCATIONS WHERE OPEN CUT IS PERMITTED, THE TRENCH IS TO BE BACKFILLED WITH CRUSHED STONE WITH A TOP SIZE OF THE AGGREGATE TO BE A MAXIMUM OF 2 INCHES AND TO HAVE NO MORE THAN 5% PASSING THE NUMBER 200 SIEVE. THE GRADATION OF THE MATERIAL IS TO BE SUCH THAT A DENSE STABLE MASS IS PRODUCED.
- 2.6. THE BACKFILL MATERIAL SHALL BE PLACED IN LOOSE 6 INCH LIFTS AND COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DENSITY WITH A MOISTURE CONTENT THAT IS NO MORE THAN 1% GREATER THAN OR 2% LESS THAN THE OPTIMUM MOISTURE AS DETERMINED IN ACCORDANCE WITH CURRENT ASTM DESIGNATION D - 1557 (MODIFIED PROCTOR). WHEN THE BACKFILL MATERIAL IS WITHIN 3 FEET OF THE SUBGRADE ELEVATION (THE INTERFACE OF THE BALLAST AND THE SUBSOIL) A COMPACTION OF AT LEAST 98% WILL BE REQUIRED. COMPACTION TEST RESULTS CONFIRMING COMPLIANCE MUST BE PROVIDED TO CSXT'S REGIONAL ENGINEERING OFFICE BY THE OWNER.
- 2.7. ALL BACKFILLED PIPES LAID EITHER PERPENDICULAR OR PARALLEL TO THE TRACKS MUST BE DESIGNED SO THAT THE BACKFILL MATERIAL WILL BE POSITIVELY DRAINED. THIS MAY REQUIRE THE PLACEMENT OF LATERAL DRAINS ON PIPES LAID LONGITUDINALLY TO THE TRACK AND THE INSTALLATION OF STUB PERFORATED PIPES AT THE EDGE OF THE SLOPES.
- 2.8. UNLESS OTHERWISE AGREED UPON, ALL WORK INVOLVING RAIL, TIES, AND OTHER TRACK MATERIAL WILL BE PERFORMED BY RAILROAD EMPLOYEES AT THE SOLE EXPENSE OF THE OWNER, SUBJECT TO ADVANCE PAYMENTS BY THE OWNER.

3. SOIL STABILIZATION-

- 3.1. PRESSURE GROUTING OF THE SOILS OR FREEZING OF THE SOILS BEFORE JACKING, BORING, OR TUNNELING MAY BE REQUIRED AT THE DIRECTION OF CSXT CHIEF ENGINEER, DESIGN AND CONSTRUCTION TO STABILIZE THE SOILS, CONTROL WATER, PREVENT LOSS OF MATERIAL, AND PREVENT SETTLEMENT OR DISPLACEMENT OF EMBANKMENT. GROUT SHALL BE CEMENT, CHEMICAL, OR OTHER SPECIAL INJECTION MATERIAL SELECTED TO ACCOMPLISH THE NECESSARY STABILIZATION.
- 3.2. THE MATERIALS TO BE USED AND THE METHOD OF INJECTION SHALL BE PREPARED BY A LICENSED PROFESSIONAL SOILS ENGINEER, OR BY AN EXPERIENCED AND QUALIFIED COMPANY SPECIALIZING IN THIS WORK AND SUBMITTED FOR APPROVAL TO CSXT BEFORE THE START OF WORK. PROOF OF EXPERIENCE AND COMPETENCY SHALL ACCOMPANY THE SUBMISSION.

4. DEWATERING-

- 4.1. WHEN WATER IS KNOWN OR EXPECTED TO BE ENCOUNTERED ALL PLANS AND SPECIFICATION MUST BE SUBMITTED TO THE CHIEF ENGINEER, DESIGN AND CONSTRUCTION FOR APPROVAL BEFORE THE PROCESS BEGINS. PUMPS OF SUFFICIENT CAPACITY TO HANDLE THE FLOW SHALL BE MAINTAINED AT THE SITE, PROVIDED THE CONTRACTOR HAS RECEIVED APPROVAL FROM CSXT TO OPERATE THEM. PUMPS IN OPERATION SHALL BE CONSTANTLY ATTENDED ON A 24-HOUR BASIS UNTIL, IN THE SOLE JUDGMENT OF CSXT, THE OPERATION CAN BE SAFELY HALTED. WHEN DEWATERING, A PROCESS FOR MONITORING FOR ANY SETTLEMENT OF TRACK OR STRUCTURES MUST BE IN PLACE.

5. SAFETY REQUIREMENTS

- 5.1. ALL OPERATIONS SHALL BE CONDUCTED SO AS NOT TO INTERFERE WITH, INTERRUPT, OR ENDANGER THE OPERATION OF TRAINS NOR DAMAGE, DESTROY, OR ENDANGER THE INTEGRITY OF RAILROAD FACILITIES. ALL WORK ON OR NEAR CSXT PROPERTY SHALL BE CONDUCTED IN ACCORDANCE WITH CSXT SAFETY RULES AND REGULATIONS. SPECIFICALLY ALL LICENSEE'S EMPLOYEES AND AGENTS, WHILE ON CSXT PROPERTY, SHALL BE REQUIRED TO WEAR AN ORANGE HARD HAT, SAFETY GLASSES WITH SIDE SHIELDS, 6" LACE UP BOOTS WITH A DISTINCT HEEL, SHIRTS WITH SLEEVES, AND LONG PANTS. ADDITIONAL PERSONAL PROTECTIVE EQUIPMENT MAY BE REQUIRED FOR CERTAIN OPERATIONS INCLUDING ABRASIVE CUTTING, USE OF TORCHES, USE OF CHAINSAWS, ETC. THE CONTRACTOR AND ITS EMPLOYEES SHALL COMPLY WITH THE CSXT SAFETY RULES AT ALL TIMES WHILE OCCUPYING CSXT'S PROPERTY. OPERATIONS WILL BE SUBJECT TO CSXT INSPECTION AT ANY AND ALL TIMES.
- 5.2. ALL CRANES, LIFTS, OR OTHER EQUIPMENT THAT WILL BE OPERATED IN THE VICINITY OF THE RAILROAD'S ELECTRIFICATION AND POWER TRANSMISSION FACILITIES SHALL BE ELECTRICALLY GROUNDED AS DIRECTED BY CSXT. USE OF A CRANE OR OTHER LIFTING EQUIPMENT IS SUBJECT TO REQUIREMENTS AS STATED IN THE CSXT PUBLIC PROJECTS MANUAL.
- 5.3. WHENEVER EQUIPMENT OR PERSONNEL ARE WORKING CLOSER THAN 25 FEET FROM THE CENTERLINE OF AN ADJACENT TRACK, THAT TRACK SHALL BE CONSIDERED AS BEING OBSTRUCTED. INsofar AS POSSIBLE, ALL OPERATIONS SHALL BE CONDUCTED NO LESS THAN THIS DISTANCE. ALL OPERATIONS SHALL BE CONDUCTED ONLY WITH THE PERMISSION OF, AND AS DIRECTED BY, A DULY QUALIFIED RAILROAD EMPLOYEE PRESENT AT THE SITE OF THE WORK. ALL COSTS RELATED TO RAILROAD PROTECTION WILL BE PASSED ON TO THE APPLICANT.
- 5.4. CROSSING OF TRACKS AT GRADE BY EQUIPMENT AND PERSONNEL IS PROHIBITED EXCEPT BY PRIOR ARRANGEMENT WITH AND AS DIRECTED BY, CSXT.
- 5.5. PROTECTION OF DRAINAGE FACILITIES
- 5.6. IF, IN THE COURSE OF CONSTRUCTION, IT MAY BE NECESSARY TO BLOCK A DITCH, PIPE, OR OTHER DRAINAGE FACILITY, TEMPORARY PIPES, DITCHES, OR OTHER DRAINAGE FACILITIES SHALL BE INSTALLED TO MAINTAIN ADEQUATE DRAINAGE, AS APPROVED BY CSXT. UPON COMPLETION OF THE WORK, THE TEMPORARY FACILITIES SHALL BE REMOVED AND THE PERMANENT FACILITIES RESTORED.
- 5.7. SOIL EROSION METHODS SHALL BE USED TO PROTECT RAILROAD DITCHES AND OTHER DRAINAGE FACILITIES DURING CONSTRUCTION ON AND ADJACENT TO CSXT'S RIGHT-OF-WAY.

PIPE CROSSING DATA	EXISTING CARRIER PIPE	EXISTING CASING PIPE
CONTENTS TO BE HANDLED	POTABLE WATER	N/A
OPERATING PRESSURE (PSI)	160	N/A
NOMINAL PIPE SIZE (")	12	16
O.S. DIAMETER (")	12.75	16.00
I.S. DIAMETER (")	11.75	15.38
WALL THICKNESS (")	0.50	0.31
WEIGHT PER FOOT (LBS)	65.50	52.30
MATERIAL	CARBON STEEL	CARBON STEEL
PROCESS OF MANUFACTURE	AWWA C200, AWWA C206	ASTM A252
SPECIFICATION	ASTM A53	ASTM A53
GRADE OR CLASS	GRADE B	GRADE B
WORKING PRESSURE (PSI)	1,980 PSI	1,013 PSI
TYPE OF JOINT	WELDED - AWWA C206	WELDED - AWWA C206
TYPE OF COATING	COLD TAR ENAMEL AWWA C203-62	UNKNOWN
DETAILS OF CATHODIC PROTECTION	AWWA SPEC C203-62-ANODES, ISOLATION JOINTS, AND TEST STA	16"x12" MALONEY CASING SEAL
DETAILS OF SEAL OR PROTECTION AT ENDS OF COATING	N/A	FLEXIBLE OIL/WATER RESISTANT RUBBER END SEALS
METHOD OF INSTALLATION	12" STEEL PREVIOUSLY INSERTED	16" STEEL PREVIOUSLY BORED
SPECIFIC MIN. YIELD STRENGTH	35,000 PSI	36,000 PSI

NO	DATE	REVISION	INTL
0	03/16/2026	ISSUED FOR CONSTRUCTION	JMM
0	03/16/2026	DESIGN COMPLETION	JMM

AQUA PENNSYLVANIA, INCORPORATED  
762 LANCASTER AVENUE, BRYN MAWR, PA., 19010

PROJECT PLAN FOR:  
**ROESCH AVE-PHASE B PROJECT**  
RIGHT OF WAY ENCROACHMENT PLAN  
SPRINGFIELD TOWNSHIP, MONTGOMERY COUNTY

DRAWN BY: ZA	CHK'D BY: JMM	EXT No: 21160-E
DATE: 02/22/2026	SCALE: N.T.S.	PLATE: 013, P13
PROJECT No: 625.21	CPA ID No: 10300396	<b>A - 69148</b>
APPROVED: <i>Jeffrey M. Moore</i>		SHEET 2 OF 7

