

**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 – 593 121 J) where Ashbourne Road crosses below grade at a bridge under the tracks operated by SEPTA at milepost 08.98 in Cheltenham Township 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 install an 8-inch DIP pipe in a 16-inch steel casing installed in the road at the crossing of Park Ave located at milepost 08.98. The crossing number is 593 121 J operated by Septa in Cheltenham Township 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 19107  
Attn: Engineering Department

John Cedrick Salvatierra  
Comcast  
1004 Cornerstone Boulevard  
Downingtown, PA 19335  
Johncedrick\_salvatierra@comcast.com

Scott Steffy  
Aqua Pennsylvania  
762 Lancaster Ave  
Bryn Mawr, PA 19010  
srsteffy@aquaamerica.com

Tom Cinaglia  
Cheltenham Township  
8230 Old York Road  
Elkins Park, PA 19027  
tcinaglia@cheltenham-township.org

Lumen Operator Personnel  
Lumen Formerly Level 3  
931 14<sup>th</sup> St  
Denver, CO 80202  
relocations@lumen.com

Alyson Elliot  
Township Manager of Cheltenham  
8230 Old York Road  
Elkins Park, PA 19027

Ryan Lumbatis  
Texas Eastern/Enbridge  
2601 Market place Suite 400  
Harrisburg, PA 17110  
Ryan.Lumbatis@enbridge.com

Richard Ricketts  
Transcontinental Gas/William Gas  
99 Farber Rd  
Princeton, NJ 08540  
richard.ricketts@williams.com

Victor Wood  
Verizon Business Formerly MCI  
7000 Weston Pkwy  
Cary, NC 2513  
victor.s.wood@verizon.com

Septa  
Facilities Engineering Department  
1234 Market Street  
Philadelphia, PA 19107  
Attn: Dave Montvydas  
DMontvydas@septa.org

Thomas DiBello  
Montgomery County Board of Commissioners  
P.O Box 311  
Norristown, PA 19404-0311  
thomas@montgomerycountypa.gov

Timothy Dragan  
Project Manager  
Septa  
1234 Market Street  
Philadelphia, PA 19107  
tdragan@septa.org

Total Engineering & Consulting Services LLC  
1547 Dekalb St  
Norristown PA 19401  
Attn: Elizabeth Sobel  
esobel@totalengineeringllc.com

Larry Ditty  
PAPUC Railroad Crossing Applications  
PennDOT Right of Way and Utilities Division  
PennDOT Bureau of Design  
P.O. Box 3362  
Harrisburg, PA 17105-3362  
lditty@pa.gov

PennDOT District 6-0  
7000 Geerdes Boulevard  
King of Prussia, PA 19406-1525  
Attn: Mary Ann Lang  
malang@pa.gov

6. The cost of this portion of the project is estimated to be \$85,000.00. 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.**

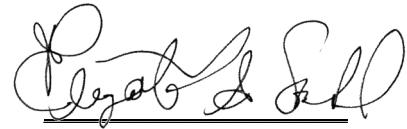
Date: 12/23/2025

By:   
\_\_\_\_\_  
Scott R. Steffy, P.E.

# 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 12/23/2025

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

Elizabeth Sobel

# CERTIFICATE OF SERVICE

I, Elizabeth Sobel, 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 regarding the Application of Aqua Pennsylvania, Inc. for an upgrading to an existing water main installation at the crossing where Park Ave crosses below grade SEPTA located at milepost 09.22 at crossing 592 997 X in Cheltenham Township in Montgomery County, Pennsylvania.

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

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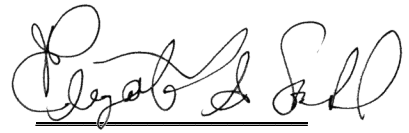
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Project Manager  
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Philadelphia, PA 19107  
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Attn: Elizabeth Sobel  
esobel@totalengineeringllc.com

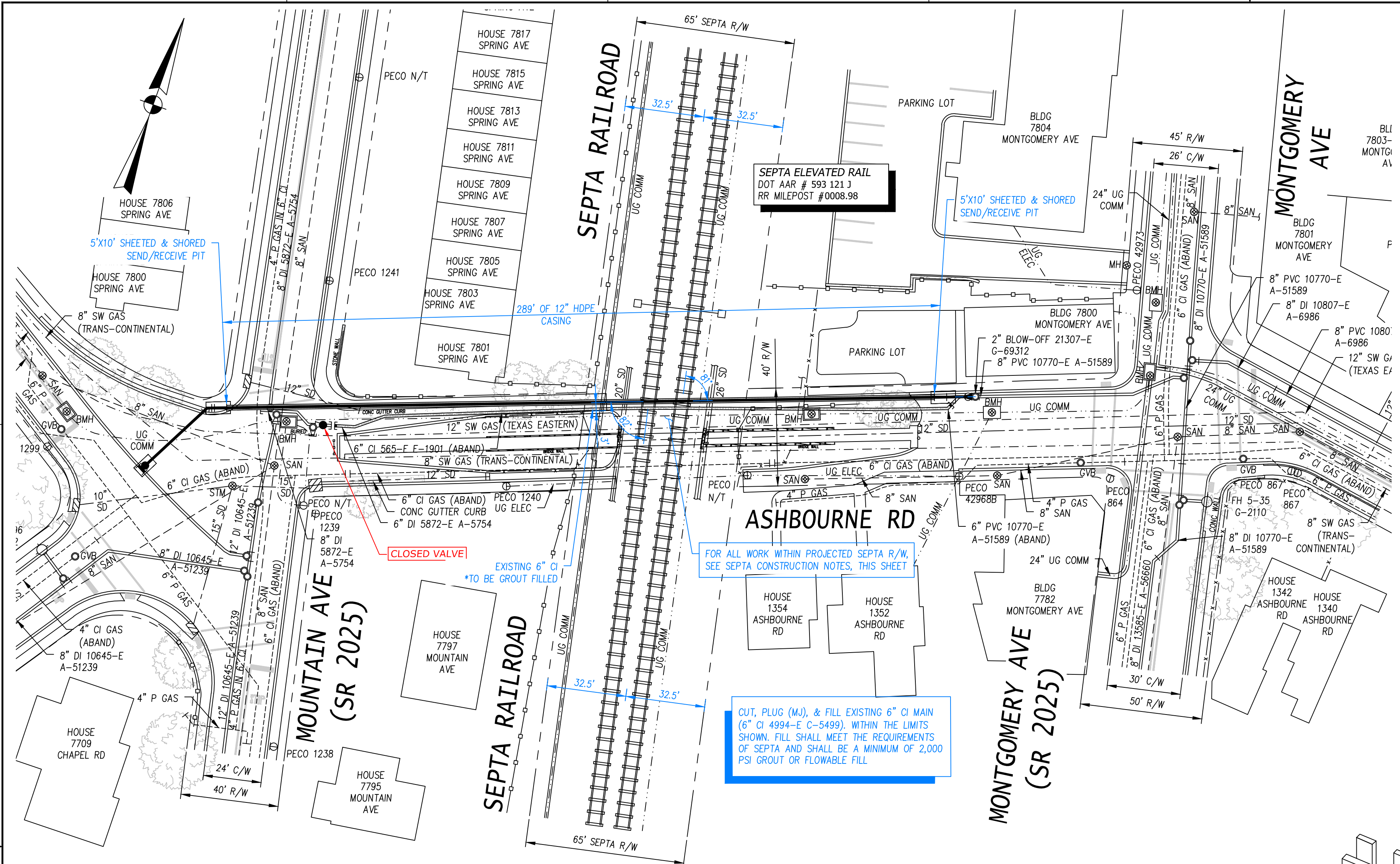
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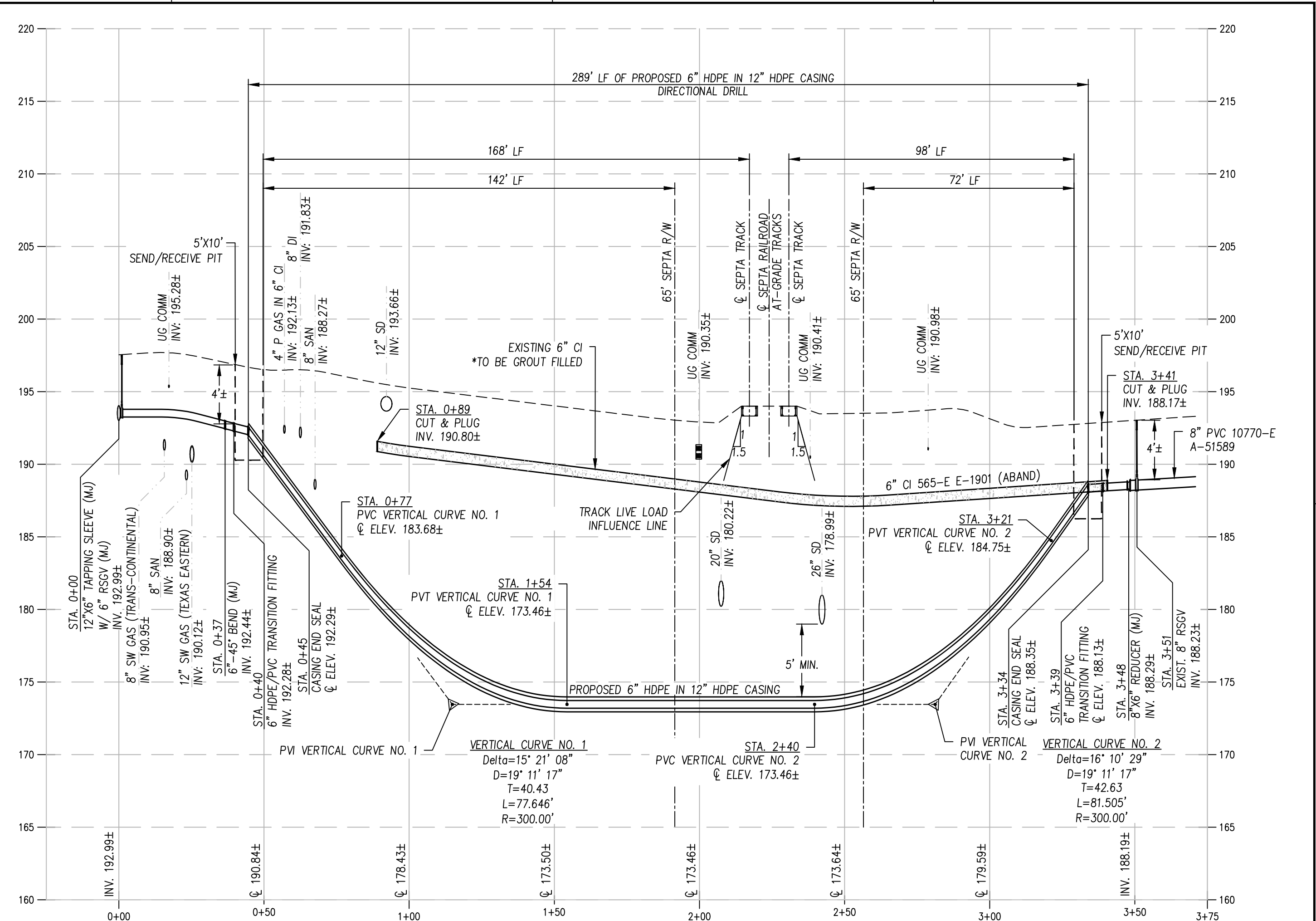
Dated: 12/23/2025

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

Elizabeth Sobel



PLAN FOR WATER MAIN REPLACEMENT  
ASHBOURNE RD AT RAILROAD  
SCALE - 1"=30'

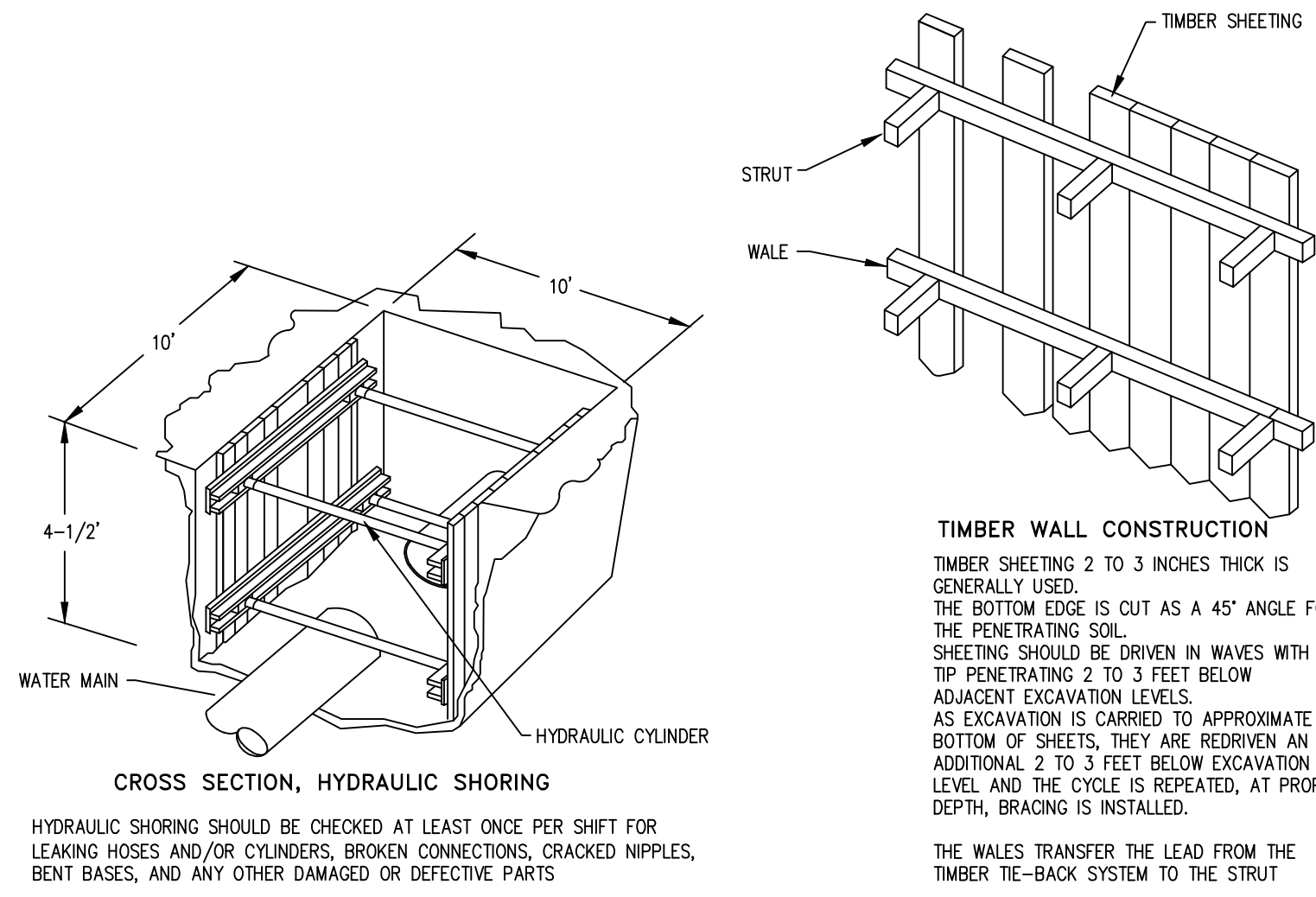


PROFILE/DIRECTIONAL DRILL - ASHBOURNE RD AT RAILROAD  
US DOT AAR 593121J - MILEPOST 0008.98  
SCALE - HORIZ: 1"=30' VERT: 1"=6'  
ALL ELEVATIONS ARE APPROXIMATE TEST HOLES REQUIRED TO CONFIRM DEPTHS

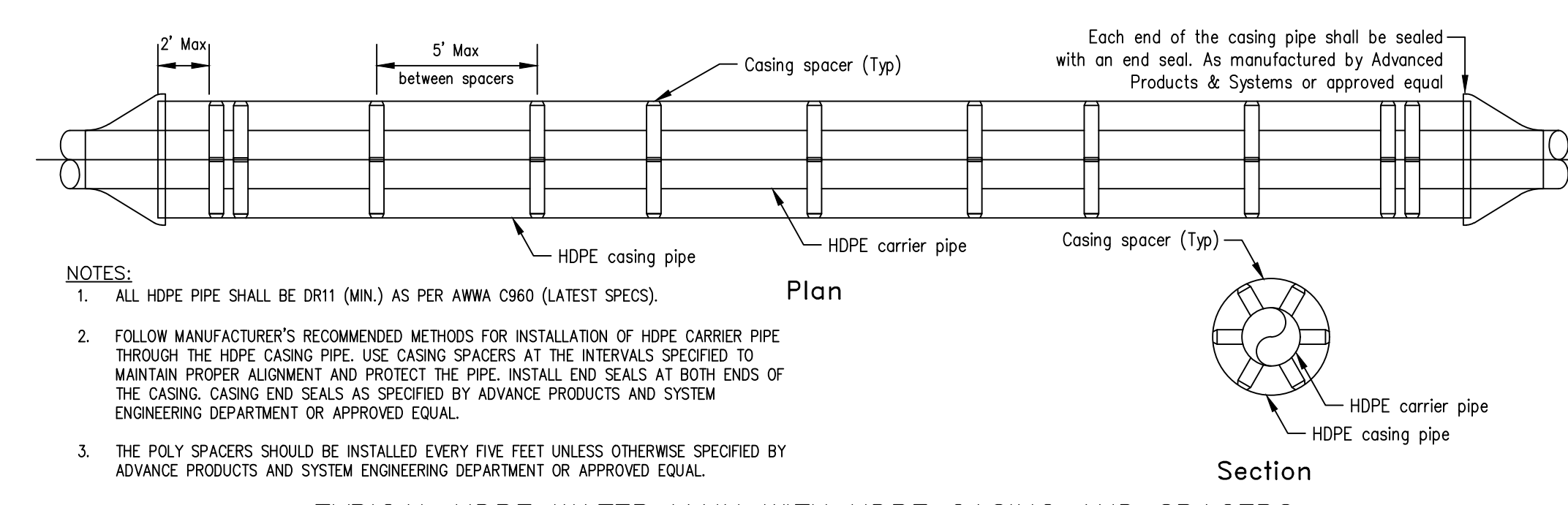
- SEPTA CONSTRUCTION REQUIREMENTS**
- OSHA RULE AND REGULATIONS MUST BE ADHERED TO FOR SAFETY IN EXCAVATIONS, THE DESIGN AND THE SHORING OF THE BORING PITS. ADDITIONALLY, PITS SHALL BE FENCED WITH ADEQUATE LIGHTING FOR PUBLIC SAFETY.
  - THE TRACK AND RIGHT-OF-WAY MUST BE PROTECTED FROM ANY EROSION CAUSED BY THE PROJECT FIELD WORK.
  - SUPPORT OF EXCAVATION (SOE) DESIGN IS THE RESPONSIBILITY OF THE CONTRACTOR. SOE DESIGN TO BE SUBMITTED TO SEPTA FOR REVIEW PRIOR TO CONSTRUCTION.
  - PROVIDE EVIDENCE THAT SEPTA'S INSURANCE REQUIREMENTS, AS DETERMINED BY SEPTA'S RISK MANAGEMENT OFFICE, HAVE BEEN MET.
  - ALL PERSONNEL INVOLVED IN THE FIELD WORK PORTION OF THE PROJECT, AND WHOSE DUTIES MIGHT INVOLVE ENTERING THE SEPTA RIGHT-OF-WAY, WILL BE REQUIRED TO ATTEND A FOUR HOUR SEMINAR IN ORDER TO OBTAIN SAFETY CERTIFICATION, AS MANDATED BY SEPTA AND THE FEDERAL RAILROAD ADMINISTRATION. THE ROADWAY WORKER SAFETY SEMINAR IS HELD BI-WEEKLY AT SEPTA'S MAIN OFFICE, 1234 MARKET STREET IN PHILADELPHIA. CONTACT SEPTA A MINIMUM OF 3 WEEKS IN ADVANCE OF WORK COMMENCING TO SCHEDULE ATTENDANCE FOR PROJECT PERSONNEL.
  - PROVIDE NOTIFICATION PRIOR TO THE START OF CONSTRUCTION, INCLUDING UPDATED PROJECT SCHEDULES.
  - STAINLESS STEEL CASING SPACERS SPECIFIED SHALL HAVE TWO PIECE STAINLESS BAND WITH POLYETHYLENE RUNNER HEIGHT OF ONE AND A HALF INCHES. RECOMMENDED PLACEMENT OF SPACERS ARE 3 PER 18-20 FT. LENGTH OF PIPE. SPACERS SHALL BE ADVANCED PRODUCT SYSTEMS, (337) 322-6116 OR APPROVED EQUAL.
  - A RIGHT OF ENTRY PERMIT MUST BE SECURED PRIOR TO START OF CONSTRUCTION.
  - A SIGN IDENTIFYING THE BURIED UTILITY AND EMERGENCY SHUTOFF VALVES WILL BE INSTALLED AT THE PIPE LOCATION. THE SIGN SHALL INCLUDE THE FACILITY OWNER NAME (AQUA) AND CONTACT NUMBER.

**TOOL BOX MEETINGS:**  
THE CONTRACTOR'S SUPERINTENDENT OR SAFETY OFFICER SHALL HOLD DAILY "TOOL BOX" JOB BRIEFINGS WITH ALL CONTRACTOR PERSONNEL. SUBJECTS, TIME, AND LOCATION CAN BE SET AT THE CONTRACTOR'S CONVENIENCE. SEPTA REQUIRES 3 BUSINESS DAYS PRIOR NOTICE, OR A SCHEDULE OF SUCH TOOL BOX MEETINGS. THIS NOTICE SHALL INCLUDE LOCATION AND AGENDA.

- HORIZONTAL DIRECTIONAL DRILL (HDD) PROCEDURE**
- WORK AREAS WILL BE CLEARED, PRECAUTIONS TO PROTECT EXISTING DRAINAGE AND EROSION CONDITIONS WILL BE TAKEN. APPROPRIATE SIGNS TO DIVERT TRAFFIC WILL BE PLACED IN ACCORDANCE WITH SEPTA AND CHELTEMHAM TOWNSHIP SPECIFICATIONS. NO EQUIPMENT SHALL BE OPERATED ON OR NEAR TRACKS IN ANY WAY THAT COULD ERODE THE TRACK SHOULDER OR TRACK STRUCTURE. EQUIPMENT IS THEN STAGED ON SITE AND NECESSARY TRAFFIC CONTROLS AND DESIGNATED WORK AREAS PUT IN PLACE.
  - CONSTRUCT ONE (1) 5'X10' ENTRY PIT AND ONE (1) 5'X10' EXIT PIT. BOTH PITS WILL BE OUTSIDE OF THE SEPTA RIGHT-OF-WAY. ALL PITS WILL HAVE SHEETED AND SHORED WALLS PER DETAIL (SEE THIS SHEET).
  - POSITION THE DIRECTIONAL DRILL RIG AT THE ENTRY PIT LOCATION AND ALIGN WITH THE PLANNED DRILL PATH. VERIFY DEPTH AND ALIGNMENT BASED ON DRILL PROFILE.
  - DRILL PILOT HOLE ALONG DESIGNATED BORE PATH USING GUIDANCE SYSTEM TO MAINTAIN HORIZONTAL AND VERTICAL ALIGNMENT. DRILLING FLUIDS WILL BE USED TO STABILIZE THE BORE AND REMOVE CUTTINGS.
  - THE TRACKS OF THE RAILROAD WILL BE SURVEYED BEFORE DRILLING BEGINS.
  - AS THE PILOT HOLE IS DRILLED, TRACK ALIGNMENT WILL BE MONITORED. ONCE PILOT HOLE IS COMPLETE, REAMING OPERATIONS WILL BEGIN TO ENLARGE THE HOLE TO SUIT THE CARRIER PIPE DIAMETER.
  - DURING THE DRILLING PROCEDURE, THE TRACKS WILL BE SURVEYED TO CHECK FOR ANY CHANGE IN ELEVATION.
  - AFTER THE BOREHOLE IS PREPARED, CASING SPACERS ARE ATTACHED TO THE CARRIER PIPE PER DETAIL, SHEET 3 OF 8.
  - THE CARRIER PIPE AND SPACERS ARE PULLED BACK THROUGH THE BORE FROM THE EXIT PIT TO THE ENTRY PIT USING THE HDD RIG.
  - THE CASING PIPE ENDS ARE SEALED PER DETAIL (SEE THIS SHEET). THE EXIT PIT AND ANY DISTURBED AREAS ARE BACKFILLED AND RESTORED TO MATCH EXISTING CONDITIONS.
  - THE HDD RIG AND SUPPORT EQUIPMENT ARE REMOVED, AND THE ENTRY/EXIT PITS ARE BACKFILLED AND RESTORED TO EXISTING CONDITIONS. BACKFILL AND RESTORATION TO BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS AND REQUIREMENTS. SIGNS IDENTIFYING THE BURIED UTILITY SHALL BE PLACED AT THE PIPE LOCATION OUTSIDE RAILROAD RIGHT-OF-WAY.
  - THE TRACK OF THE RAILROAD IS THEN SURVEYED FOR ANY ELEVATION CHANGES. WHEN DISTURBED AREAS ARE RESTORED TO ORIGINAL CONDITION, TRAFFIC CONTROL AND EQUIPMENT IS REMOVED.



TYPICAL SHEETING AND SHORING



TYPICAL HDPE WATER MAIN WITH HDPE CASING AND SPACERS

PIPE CROSSING DATA	CARRIER PIPE	CASING PIPE
CONTENTS TO BE HANDLED	WATER	NONE
OPERATING PRESSURE (PSI)	100	N/A
NOMINAL PIPE SIZE (")	6"	12"
O.S. DIAMETER (")	6.825"	13.056"
I.S. DIAMETER (")	5.571"	10.656"
WALL THICKNESS (")	0.627"	1.200"
WEIGHT PER FOOT (LBS)	5.41	19.82
MATERIAL	HDPE	HDPE
PROCESS OF MANUFACTURE	EXTRUDED	EXTRUDED
SPECIFICATION	ASTM F714/AWWA C906	ASTM F714/AWWA C906
GRADE OR CLASS	PE4710, DR11	PE4710, DR11
WORKING PRESSURE (PSI)	200	N/A
TYPE OF JOINT	BUTT FUSION	BUTT FUSION
TYPE OF COATING	NONE	NONE
DETAILS OF CATHODIC PROTECTION	N/A	N/A
DETAILS OF SEAL OR PROTECTION AT ENDS OF COATING	N/A	FLEXIBLE OIL/WATER RESISTANT RUBBER END SEALS
METHOD OF INSTALLATION	PUSHING	HORIZONTAL DIRECTIONAL DRILLING
SPECIFIC MIN. YIELD STRENGTH	3,500 PSI	3,500 PSI

ISSUED FOR CONSTRUCTION			
DESIGN COMPLETION			
NO	DATE	REVISION	INTL.
AQUA PENNSYLVANIA, INCORPORATED 762 LANCASTER AVENUE, BRYN MAWR, PA., 19010			
PROJECT PLAN FOR: ELKINS PARK SEPTA CROSSING PROJECT ASHBOURNE RD CHELTEMHAM TOWNSHIP, MONTGOMERY COUNTY			
DRAWN BY: CAP	CHK'D BY: JMM/AJC	EXT No: 21030-E	
DATE: 02/11/2025	SCALE: 1"=30'	PLATE: R18	
PROJECT No: 400.19	CPA ID No: 11082849	<b>A - 68962</b>	
APPROVED		SHEET 4 OF 10	

