



Elizabeth Rose Triscari
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November 5, 2024

VIA ELECTRONIC FILING

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17105-3265

**In re: In re: Application of Pennsylvania American Water
for Approval of the Alteration of the Crossing
(AAR #) by the Installation of 16" Ductile Iron
Water Main Where N 11th Ave Crosses Below the
Tracks of Amtrak, Located in Caln Township,
Chester County - Docket No. A-2024-3047184**

Dear Secretary Chiavetta:

Enclosed please find the attached updated plans regarding the above-captioned railroad crossing located in the Caln Township, Chester County. These updated plans address the issues that have been previously identified by Caln Township officials.

If you should have any questions, please feel free to contact Kelly Kowalski at (610) 292-3574.

Sincerely,

A handwritten signature in blue ink that reads "Elizabeth Rose Triscari".

Elizabeth Rose Triscari

Enclosure

cc: Kelly Kowalski (*via electronic mail*)
Dennis Moody, P.E. (*via electronic mail*)
All Parties on the Attached Certificate of Service (*via first-class mail*)
Christopher Witwick, Amtrak (*via electronic mail*)
Moises Young, Amtrak (*via electronic mail*)



April 24, 2024

Mr. Lowell Leaman, P.E.
Township Engineer
Caln Township / ARRO
1450 East Boot Road, Ste 100B
West Chester, PA 19380

RE: File: A-2024-3047183
PAWC – N. 11th Avenue Amtrak Bridge
Caln Township
ARRO No.: 11243.66
Project Number: PAWC62303

Dear Mr. Leaman:

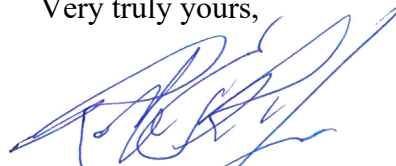
Hydraterra Professionals is glad to respond to your review comments dated March 19, 2024 for the above-referenced project. Please find our comment responses following the original comments bolded below.

1. *The proposed trench will undermine a relatively long section of existing storm pipe. The applicant shall provide detailed notes specifying the protection and/or restoration of the storm drainage system.*
 - **Notes have been added to plan set regarding the protection and restoration of the storm pipe. See sheet 3 of 4.**
2. *The applicant shall provide Caln Township with the opportunity to observe the condition of existing stormwater pipes during construction. Deteriorated storm drainage pipes/structures shall be replaced as directed by Caln Township.*
 - **A note has been added to plan set regarding Caln Township observation during construction. See sheet 3 or 4.**
3. *A road opening permit must be obtained for all work within Caln Township Street(s) as required by the streets and sidewalks ordinance. Additional requirements may be included in the permit.*
 - **Pennsylvania American Water Company, will provide a road opening permit application for Caln Township approval.**
4. *Additional comments may be provided as additional information is provided by the applicant.*
 - **Comment acknowledged.**

Mr. Lowell Leaman
April 24, 2024
Page 2

If you require additional information or have any questions, please call me at (610) 942-3000.

Very truly yours,



Hydraterra Professionals
Robert F. Preston
Project Manager

encl: plan set

cc: Kelly Kowalski, PAWC
Raymond Stackhouse, Director of Building and Life Safety
Kristin Camp, Esquire, Township Solicitor
Elizabeth Nagy, Planning Commission Secretary
Karl Schmit, ARRO

PENNSYLVANIA AMERICAN WATER COMPANY

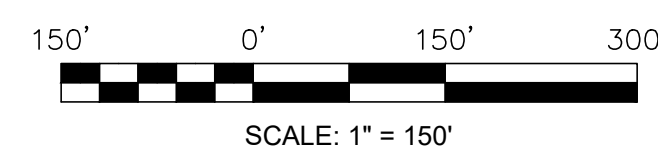
N. 11TH AVENUE / AMTRAK BRIDGE NO. 37/54 WATER MAIN INSTALLATION

PERMIT PLAN

CALN TOWNSHIP, CHESTER COUNTY, PA



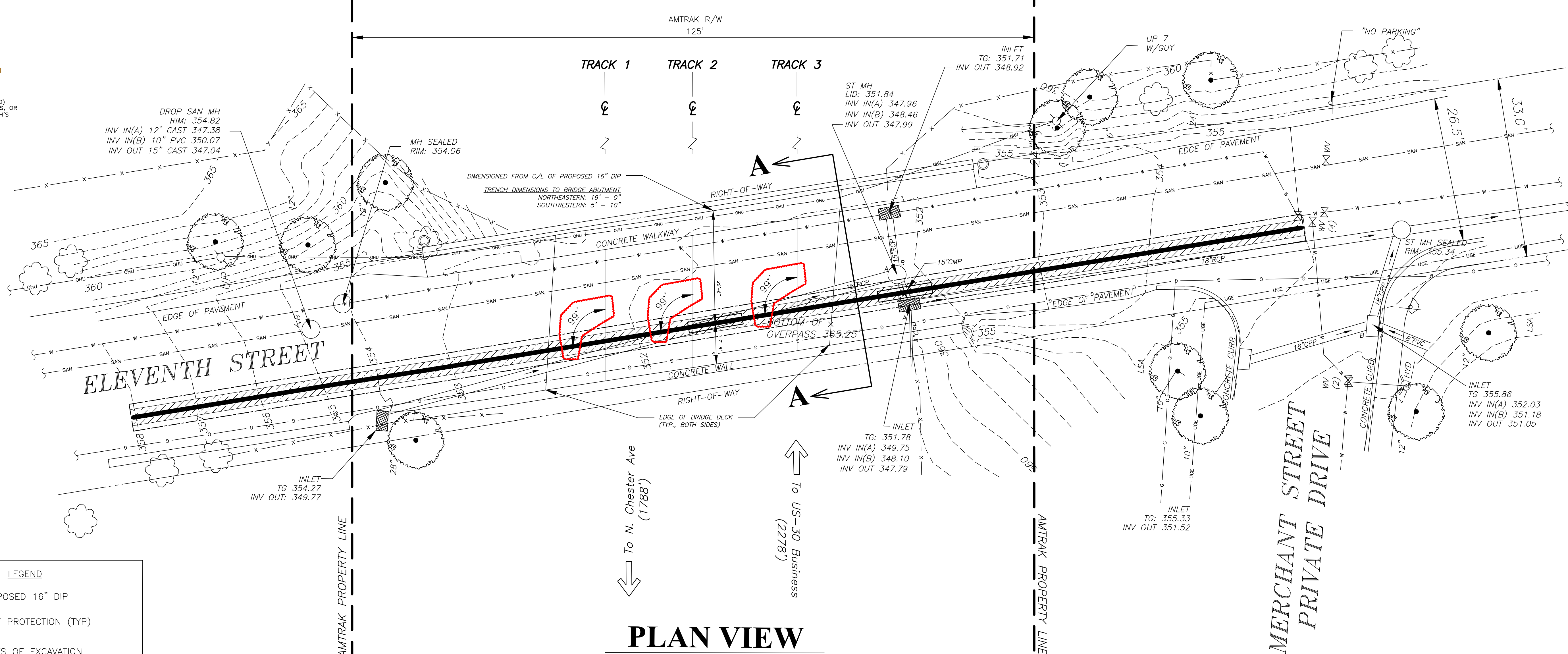
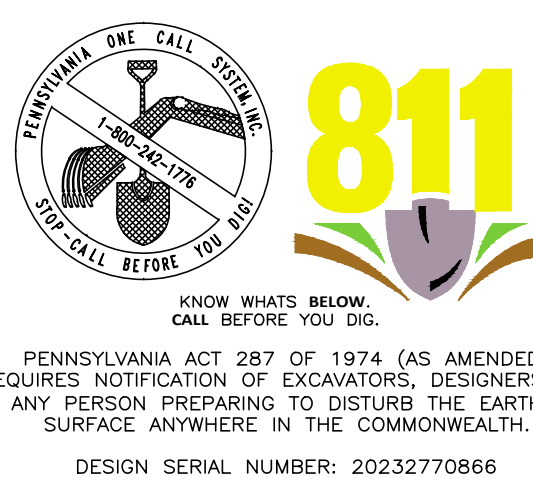
LOCATION MAP



LIST OF DRAWINGS		
Drawing Sheet	Drawing Description	Revision Date
1 OF 4	TITLE SHEET	3/28/2024
2 OF 4	PLAN & PROFILE	3/28/2024
3 OF 4	DETAILS & NOTES	3/28/2024
4 OF 4	DETAILS	3/28/2024

PREPARED BY:

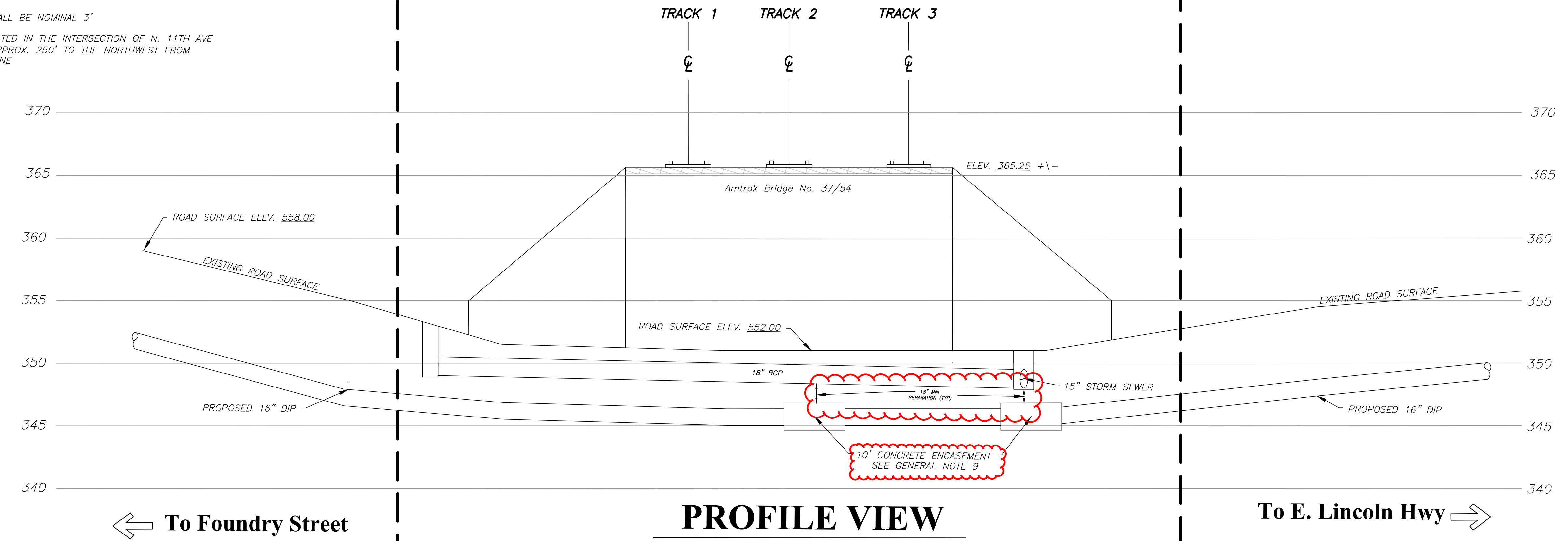




LEGEND	
	- PROPOSED 16" DIP
	- INLET PROTECTION (TYP)
	- LIMITS OF EXCAVATION
	- MILL & OVERLAY

* TRENCH WIDTH SHALL BE NOMINAL 3'
 * WATER VALVE LOCATED IN THE INTERSECTION OF N. 11TH AVE & FOUNDRY ST APPROX. 250' TO THE NORTHWEST FROM TRACK 1 CENTERLINE

PLAN VIEW
 SCALE 1" = 10'



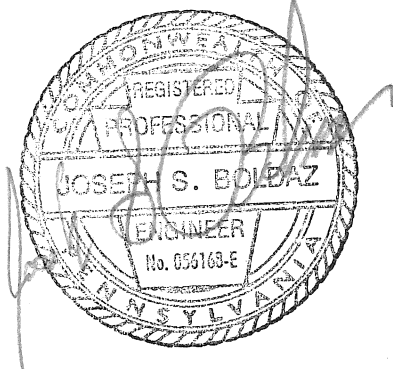
PROFILE VIEW
 HORIZONTAL 1" = 10'
 VERTICAL 1" = 5'

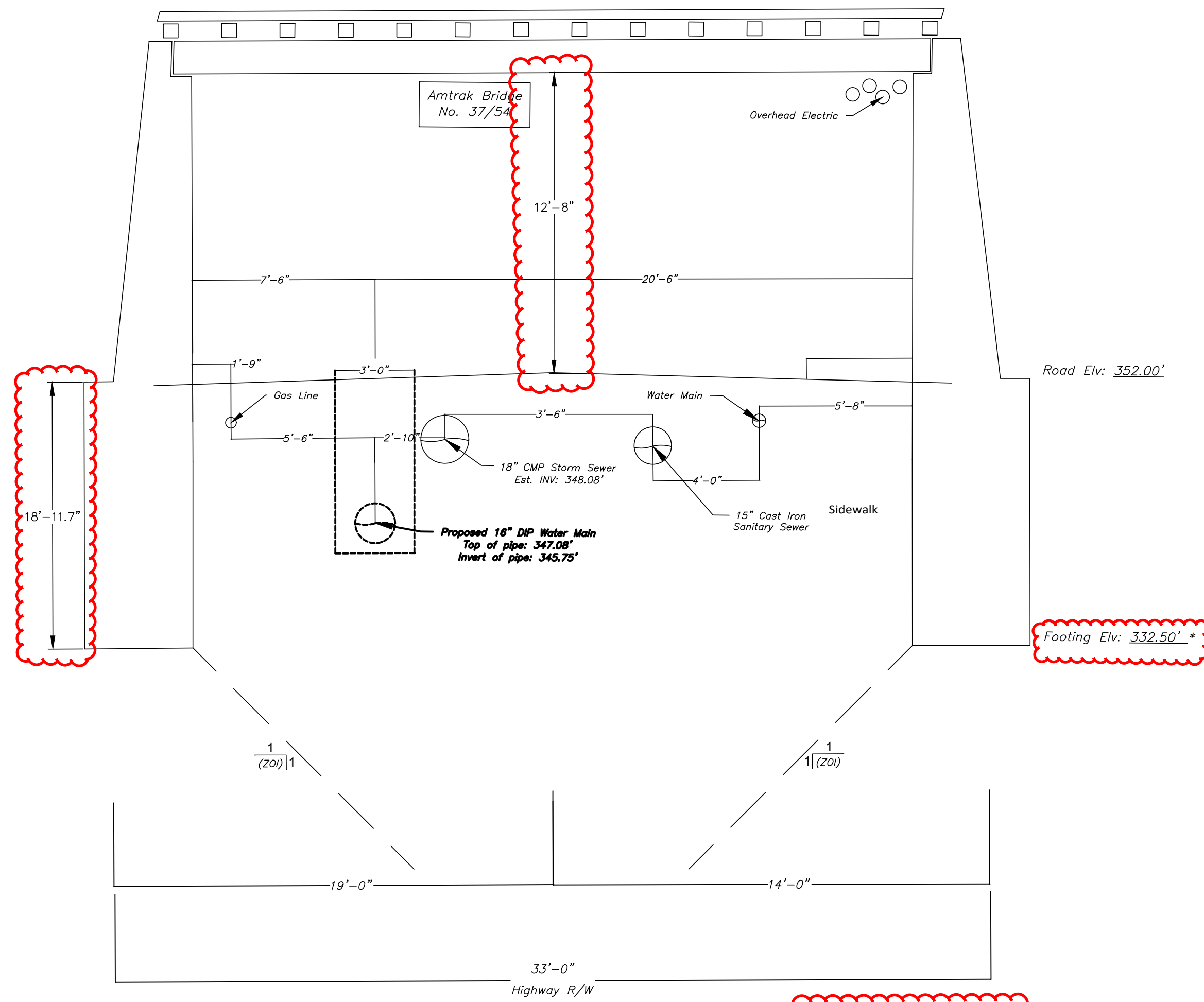
REV.	DESCRIPTION	DATE	BY
1	REVISED PER AMTRAK COMMENTS DATED 3/16/2024	3/20/2024	JLN
2	REVISED PER LOCAL TOWNSHIP COMMENTS DATED 3/28/2024	3/28/2024	JLN

DESIGNED BY: R. PRESTON	DATE: 12/21/2023
CHKD BY: J. NEWMAN	PROJECT NO.: PAWC62303
SUBMITTED BY: R. PRESTON	ECMS NO.: 012685
SCALE: N.T.S.	PLOT DATE: 12/21/2023
FILE NAME: P:\PAWC\PAWC62303	



PENNSYLVANIA AMERICAN WATER COMPANY
 N. 11th AVENUE / AMTRAK BRIDGE NO. 37/54
 WATER MAIN INSTALLATION
PLAN & PROFILE
 CALN TOWNSHIP, CHESTER COUNTY, PA



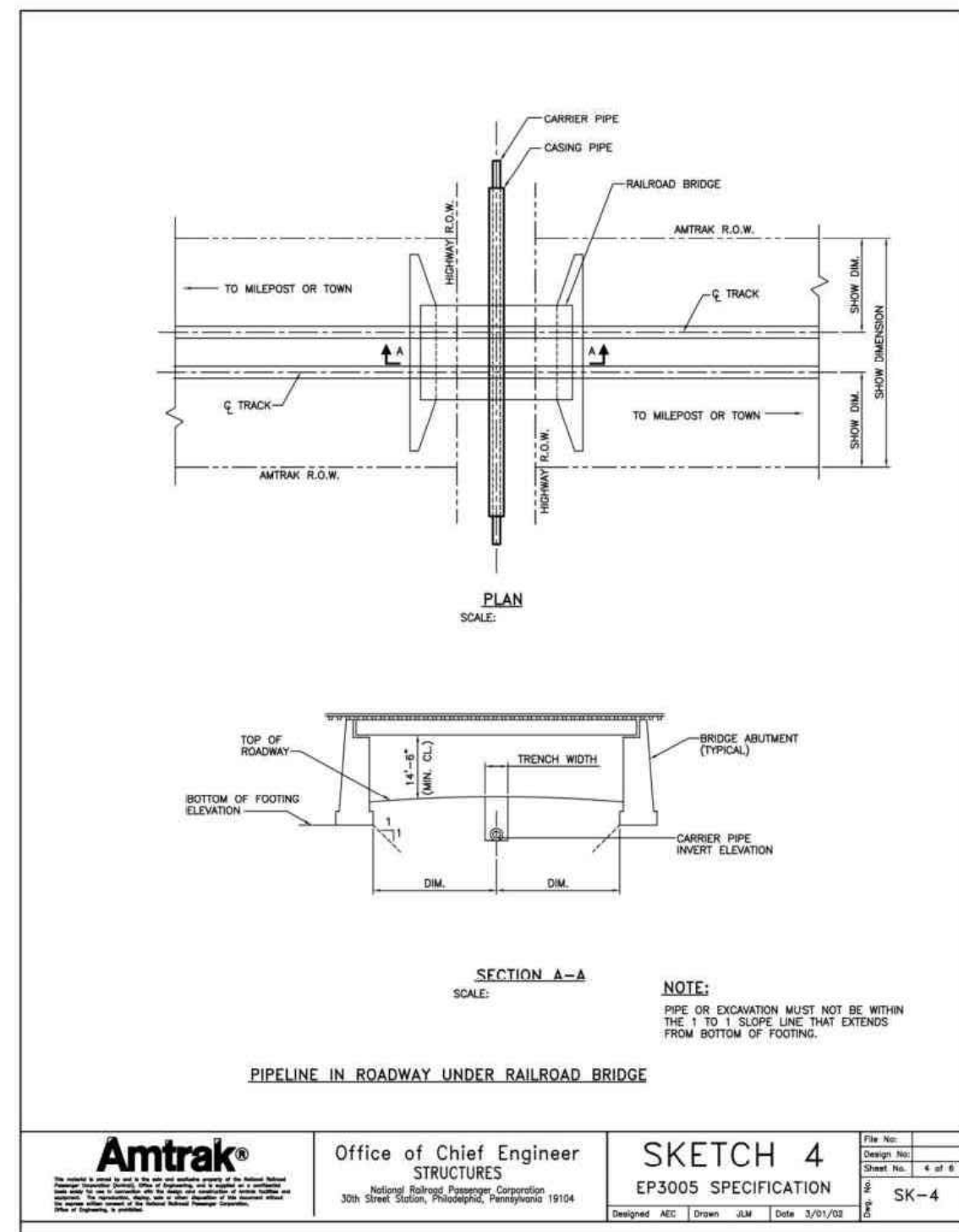


SECTION A-A

SCALE: NTS

ESTIMATED ELEVATION BASED ON MP37.54 ORIGINAL DOCUMENT 1911

Systemwide Rev 2 06/23/14



PIPELINE OCCUPANCY

02061A - 22

GENERAL CONSTRUCTION NOTES

1. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THESE DRAWINGS SET IS NOT GUARANTEED TO BE EXACT OR COMPLETE. LOCATIONS, MATERIALS TYPE AND SIZES OF UTILITIES WAS TAKEN FROM BEST AVAILABLE INFORMATION. THERE MAY BE DISCREPANCIES AND OMISSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT TYPE, SIZE AND LOCATION OF ALL UTILITIES AFFECTED AND/OR ENCOUNTERED BY THE CONSTRUCTION OF THIS PROJECT.
2. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE STATE STATUTES AND THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) FOR TRENCHES, EXCAVATIONS AND SHORING AND ANY OTHER APPLICABLE SUBJECT AREAS. ANY OPERATION OR SITUATION THAT THREATENS THE SAFETY OF WORKERS OR THE PUBLIC, INCLUDING IMPROPER TRAFFIC CONTROL SHALL BE CAUSE FOR SUSPENSION OF WORK UNTIL CORRECTIONS ARE MADE.
3. AREAS USED FOR CONTRACTORS' JOB/STORAGE TRAILERS, PERSONNEL, PARKING, MATERIAL STORAGE, SPOILS STOCKPILE, MATERIAL FABRICATION, AND ANY RELATED CONSTRUCTION USES MUST BE APPROVED IN ADVANCE BY THE PROJECT OWNER.
4. ALL EXCAVATION FOR THIS PROJECT SHALL BE UNCLASSIFIED.
5. THERE WILL BE NO BLASTING ALLOWED ON THIS PROJECT.
6. EXACT LOCATION, ELEVATIONS AND CONFIGURATION OF CONNECTIONS TO EXISTING WATER MAIN PIPING SHALL BE DETERMINED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. CONTRACTOR IS REQUIRED TO PERFORM A MINIMUM OF TWO (2) SUBSURFACE INVESTIGATIONS, ALONG THE PROJECT ROUTE TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING FACILITIES.
7. UNLESS OTHERWISE DIRECTED BY THE PROJECT OWNER, THE CONTRACTOR SHALL INSTALL THE WATER MAIN AS SHOWN ON THESE DRAWINGS SUCH THAT NO INTERMEDIATE HIGH POINTS RESULT.
8. CONCRETE BLOCKS AND/OR RESTRAINT DEVICES EXIST AT ALL WATER MAIN FITTINGS. THE CONTRACTOR SHALL WORK WITH CAUTION WHEN EXCAVATING IN THE VICINITY OF ANY EXISTING WATER MAIN FITTING SO THAT NO CONCRETE THRUST BLOCK OR RESTRAINT DEVICE IS DISTURBED. ALL NEW TRUST RESTRAINT DEVICES MUST BE INSPECTED AND APPROVED PRIOR TO BACKFILLING OF TRENCH.
9. CONTRACTOR SHALL VERIFY 98% COMPACTION BY PROCTOR TEST BENEATH ALL CONCRETE.
10. CONTRACTOR SHALL CONDUCT CONSTRUCTION OPERATIONS IN SUCH A MANNER THAT STORM OR OTHER WATERS MAY PROCEED UNINTERRUPTED AND WITHOUT EROSION ALONG EXISTING STREETS OR DRAINAGE COURSES, THIS AREA IS KNOWN FOR FLOODING.
11. ALL EXISTING VALVES AND FIRE HYDRANTS SHALL BE OPERATED BY PENNSYLVANIA AMERICAN WATER COMPANY. OPERATION BY ANY OTHER PERSONNEL IS STRICTLY FORBIDDEN UNLESS APPROVED OTHERWISE.
12. CONTRACTOR IS RESPONSIBLE TO CLOSE N. ELEVENTH AVENUE DURING CONSTRUCTION UNDER AMTRAK R/R BRIDGE. CONTRACTOR MUST COMPLY WITH ALL ROAD CLOSURE REQUIREMENTS.
13. CONTRACTOR SHALL LOCATE BRIDGE FOOTERS PRIOR TO PIPELINE EXCAVATION. NO EXCAVATION MAY TAKE PLACE IN THE 1:1 SLOPE AREA.
14. CONTRACTOR SHALL EXCAVATE BY HAND AROUND 18" RCP STORM SEWER, PROVIDING SHORING TO MINIMIZED STONE BEDDING BECOMING DISLODGED, BACKFILL MATERIAL AND METHODS MUST BE APPROVED BY CALN TOWNSHIP.

CONSTRUCTION SEQUENCE

- A. A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL INVITE ALL UTILITIES EFFECTED BY THE CONSTRUCTION ACTIVITIES TO AN ON-SITE PRE-CONSTRUCTION MEETING.
- B. CONTRACTOR SHALL VERIFY ALL PERMITS ARE OBTAINED AND SHALL ABIDE BY ALL PERMIT RESTRICTIONS.
- C. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL EROSION & SEDIMENTATION CONTROLS ARE IN PLACE.
- D. CONTRACTOR TO NOTIFY CALN TOWNSHIP PRIOR TO EXCAVATION. TOWNSHIP SHALL HAVE THE RIGHT TO OBSERVE EXISTING STORMWATER PIPE CONDITIONS. DETERIORATED PIPES/STRUCTURES SHALL BE REPLACED AS DIRECTED BY CALN TOWNSHIP.
- E. COMMENCE CONSTRUCTION, OF OPEN TRENCH PIPE INSTALLATION, PIPE BEDDING AND TEMPORARY PAVING.
- F. COMPLETE CHLORINATION & DECHLORINATION AND TESTING OF NEW WATER MAIN.
- G. REMOVE ALL CONSTRUCTION EQUIPMENT AND DEBRIS FROM SITE AND REOPEN ROAD.
- H. SCHEDULE AND COMPLETE FINAL MILL AND OVERLAY OF LANE. SEE PAVING DETAIL SHEET 5 OF 5.
- I. PROVIDE PAWC WITH CONTRACTOR REDLINE AS-BUILT DRAWINGS WITHIN 6 MONTHS OF SUBSTANTIAL COMPLETION. WHEN COMPLETED, PAWC TO PROVIDE AMTRAK WITH AS-BUILT DRAWINGS.

NOTES PROVIDED BY AMTRAK

1. ALL WORK ON OR ADJACENT RAILROAD PROPERTY MUST COMPLY WITH AMTRAK ENGINEERING PRACTICES EP3005 - MAINTENANCE AND PROTECTION OF RAILROAD TRAFFIC DURING CONTRACTOR OPERATIONS.
2. DESIGN AND CONSTRUCTION MUST COMPLY WITH AMTRAK ENGINEERING PRACTICES EP3005 - PIPELINE OCCUPANCY. PRIOR TO CONSTRUCTION OPERATIONS, CONTRACTOR MUST SUBMIT, AT A MINIMUM, THE FOLLOWING TO AMTRAK FOR REVIEW AND APPROVAL: CONSTRUCTION PROCEDURE MEANS AND METHODS, SCHEDULE, DEWATERING SYSTEM (IF ANY), AND CALCULATIONS, AS APPLICABLE.
3. ALL UNDERGROUND UTILITIES, CABLES, AND FACILITIES MUST BE LOCATED AND PROTECTED BEFORE ANY EXCAVATING, DRILLING, BORING/DIRECTIONAL DRILLING, GROUND PENETRATING ACTIVITIES, OR CONSTRUCTION TAKES PLACE. THIS INCLUDES RAILROAD AND COMMERCIAL UTILITIES, CABLES, DUCT LINES, AND FACILITIES. THESE ACTIVITIES WILL NOT BE PERFORMED IN CLOSE PROXIMITY TO THE RAILROAD DUCT LINES UNLESS MONITORED BY ON-SITE AMTRAK COMMUNICATIONS AND SIGNAL (C&S) DEPARTMENT PERSONNEL. HAND DIGGING MAY BE REQUIRED, AS DIRECTED BY AMTRAK THROUGH THE ON-SITE AMTRAK C&S SUPPORT PERSONNEL. AMTRAK MAINTAINS THE RIGHT TO ACCESS ALL EXISTING CABLES AND CONDUITS THROUGHOUT CONSTRUCTION. AMTRAK ALSO RESERVES THE RIGHT TO UPGRADE AND INSTALL NEW CABLES AND CONDUITS IN THE AFFECTED AREA. THE "ONE-CALL" PROCESS MUST BE FOLLOWED. BE AWARE THAT AMTRAK IS NOT PART OF THE ONE-CALL PROCESS; CONTACT AMTRAK ENGINEERING TO HAVE ALL RAILROAD UNDERGROUND UTILITIES AND ASSETS LOCATED. IF REQUESTED BY AMTRAK, EXISTING DEPTHS OF UTILITIES BEING CROSSED MUST BE VERIFIED THROUGH TEST PITS PERFORMED BY THE CONTRACTOR AS DIRECTED BY AND UNDER THE DIRECT SUPERVISION OF AMTRAK C&S SUPPORT PERSONNEL. PRECAUTIONS MUST BE TAKEN TO PREVENT ANY INTERRUPTION TO RAILROAD OPERATION.
4. ANY WORK (OR EQUIPMENT BEING STAGED ONSITE DURING CONSTRUCTION) PERFORMED AT OR NEAR A RAILROAD CROSSING MUST NOT OBSTRUCT THE VIEW OF FLASHING LIGHT UNITS OR GATES TO ONCOMING TRAFFIC.
5. PRIOR TO ENTERING AMTRAK'S PROPERTY FOR ANY WORK, THE CONTRACTOR MUST EXECUTE AMTRAK'S STANDARD TEMPORARY PERMIT TO ENTER UPON PROPERTY (PTE). THE FULLY EXECUTED PTE, WRITTEN NOTICE TO PROCEED FROM AMTRAK THAT ALL REQUIREMENTS OF THE PTE HAVE BEEN MET AND PROOF OF SAFETY TRAINING MUST, AT ALL TIMES, BE FURNISHED BY THE CONTRACTOR AT THE PROJECT SITE.
6. ALL PERSONS THAT ARE ON OR ADJACENT TO THE RAILROAD PROPERTY MUST SUCCESSFULLY COMPLETE THE CONTRACTOR ORIENTATION TRAINING. ALL CONTRACTORS MUST CARRY THEIR "AMTRAK CONTRACTOR ROADWAY WORKER PROTECTION" CARD WITH THEM AT ALL TIMES WHILE ON OR ADJACENT TO RAILROAD PROPERTY.
7. ANY DEBRIS OR DAMAGE RESULTING FROM WORK SHALL BE IMMEDIATELY REPORTED TO THE RAILROAD. RAILROAD SHALL BE REPAIRED BY RAILROAD FORCES AT PROJECT EXPENSE.
8. ABANDONED PIPELINES SHALL BE COMPLETELY FILLED WITH CEMENT GROUT, COMPACTED SAND OR OTHER METHODS AS APPROVED BY AMTRAK. ABANDONED MANHOLES AND OTHER STRUCTURES LOCATED ON AMTRAK PROPERTY SHALL BE REMOVED TO A MINIMUM DISTANCE OF 3 FEET BELOW FINISHED GRADE AND COMPLETELY FILLED WITH CEMENT GROUT OR COMPACTED SAND.
9. NO EXCAVATION PERMITTED IN 1:1 SLOPE AREA.

EROSION & SEDIMENT CONTROL NOTES

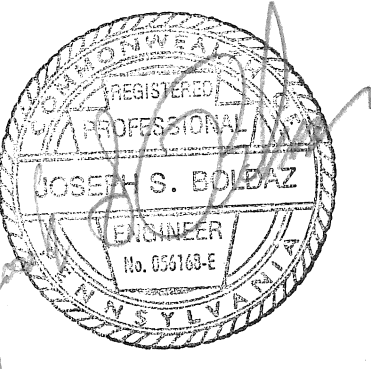
15. BEFORE INITIATING ANY REVISION TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E & S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS OF THE APPLICABLE REVIEWING AGENCY. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT CONTROL.
16. ALL PUMPING OF SEDIMENT LADEN WATER OR POTENTIALLY SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.
17. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.
18. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENTS SOLID WASTE MANAGEMENT & REGULATIONS. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIALS OR WASTES AT THE SITE.
19. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. ADDITIONALLY, THE OPERATOR SHALL ASSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN BEEN PREPARED, AND HAVE BEEN APPROVED BY APPLICABLE REVIEWING AGENCY. DISTRICT AND/OR LOCAL MUNICIPALITIES IN COMPLIANCE WITH CHAPTER 102 RULES AND REGULATIONS, AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL OFF SITE SOIL AND/OR ROCK SPOIL AND/OR BORROW AREAS.

REV.	DESCRIPTION	DATE	BY
1	REVISED PER AMTRAK COMMENTS DATED 3/16/2024	3/20/2024	JLN
2	REVISED PER CALN TOWNSHIP COMMENTS DATED 3/16/2024	3/28/2024	JLN

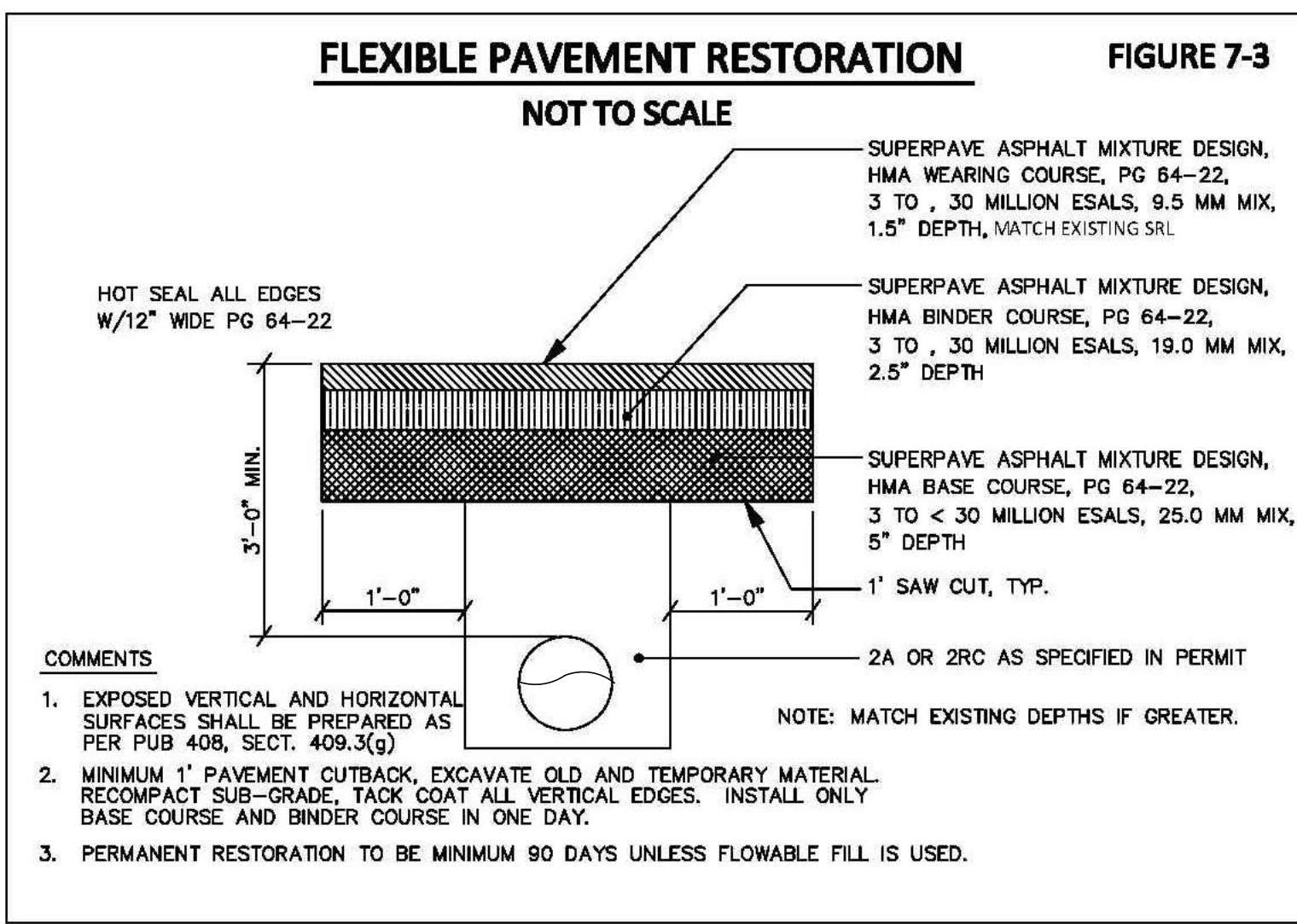
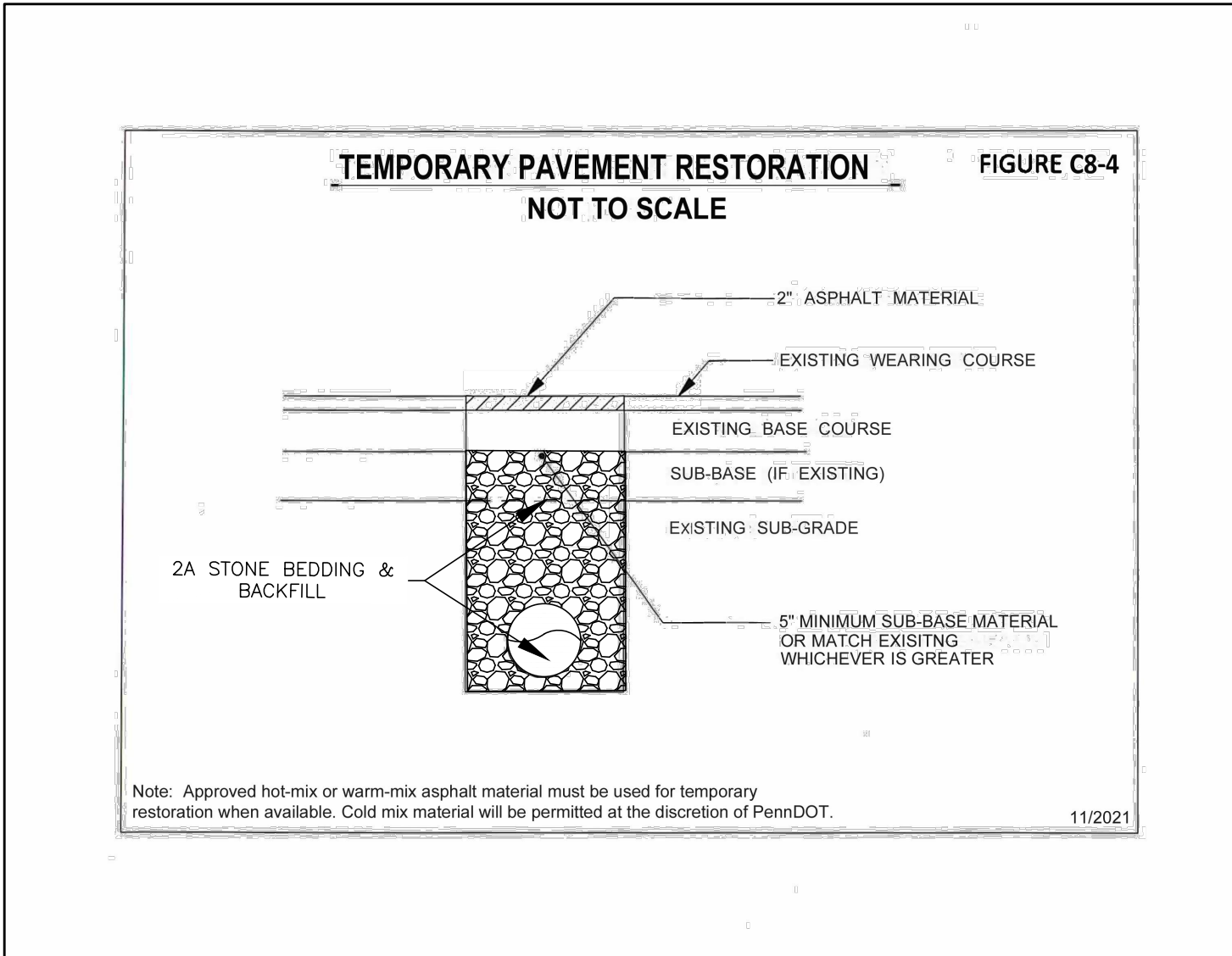
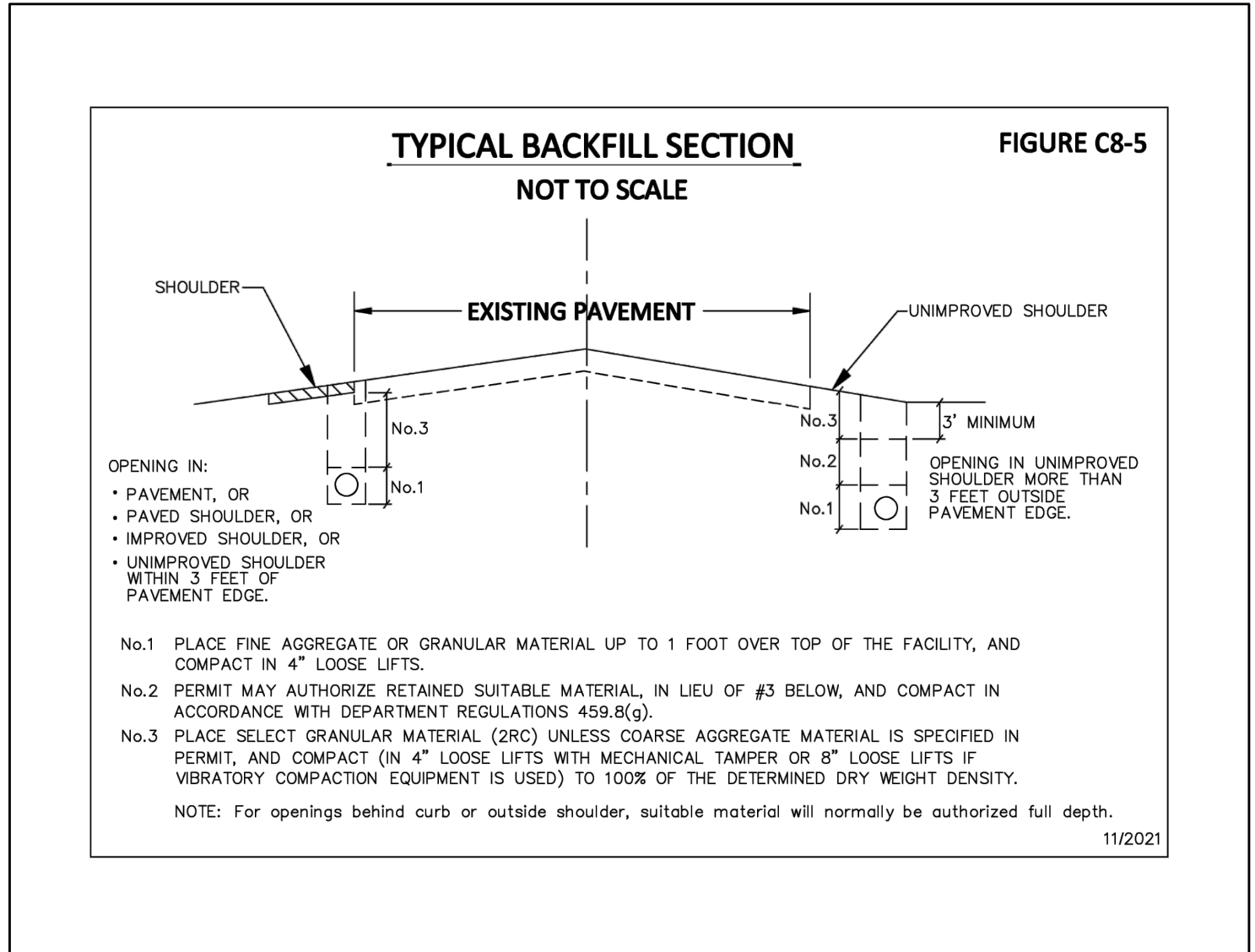
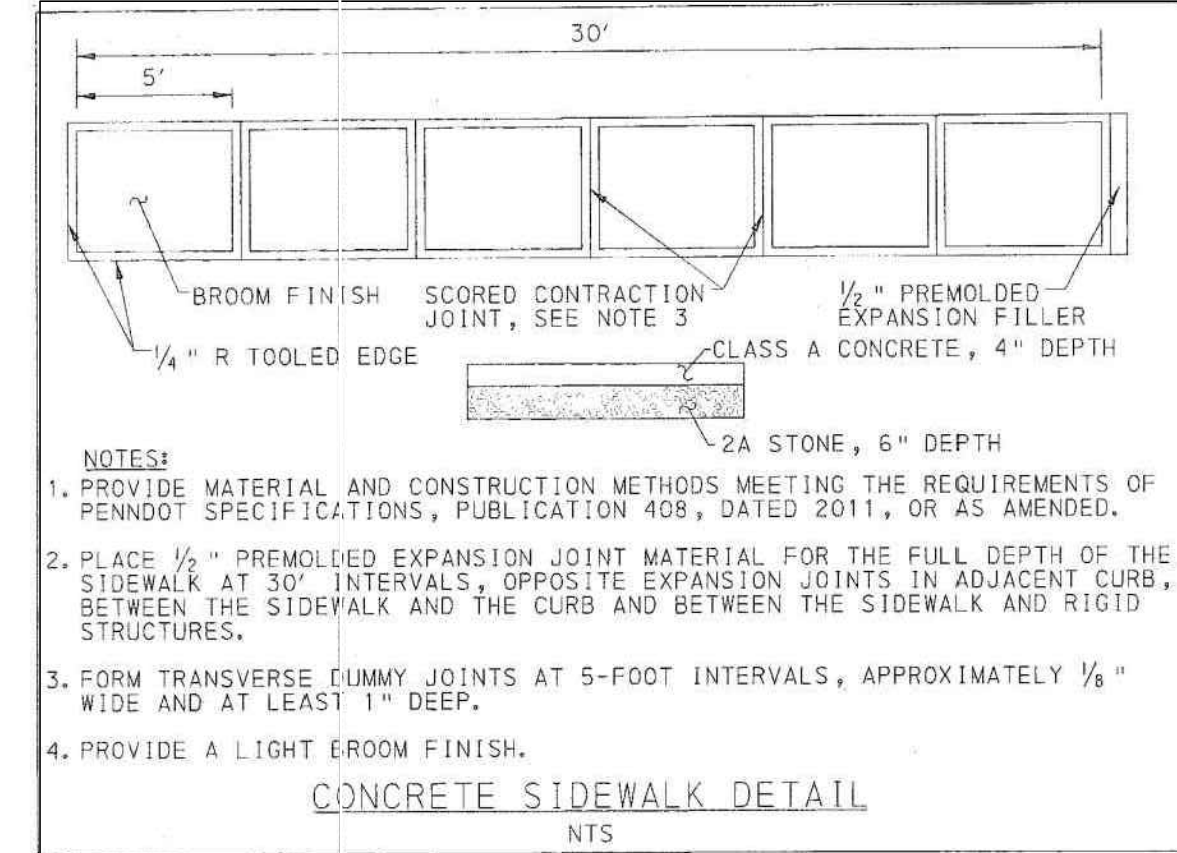
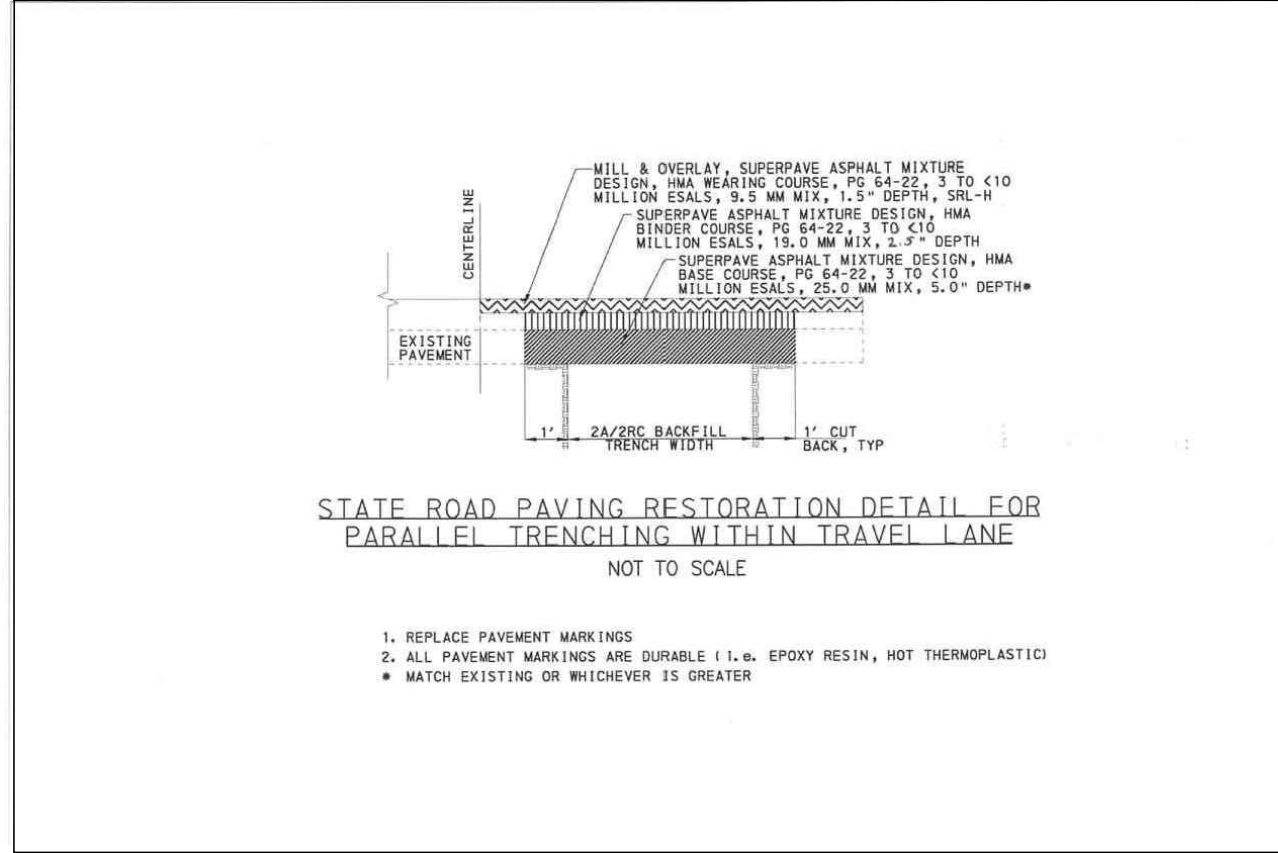
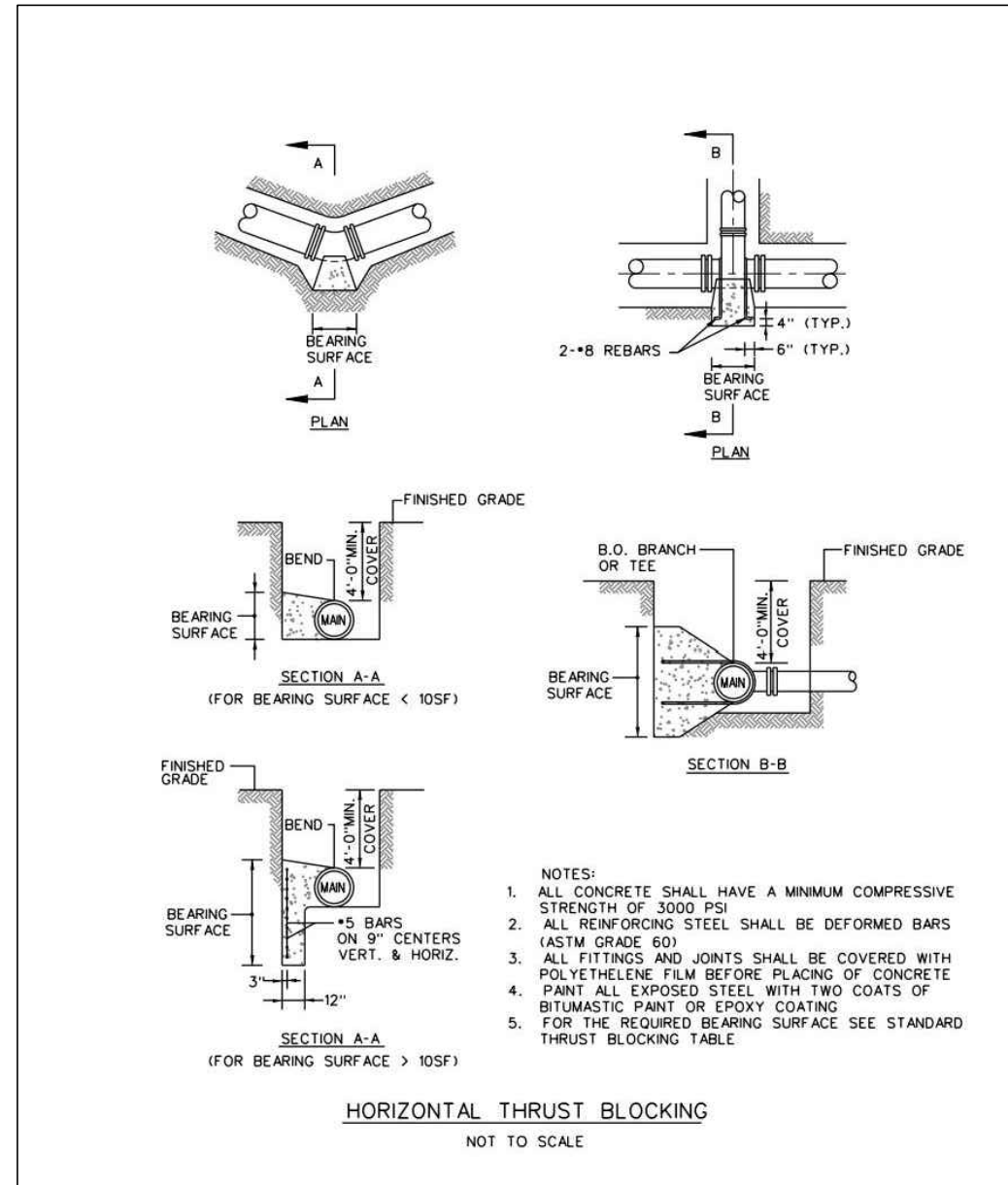
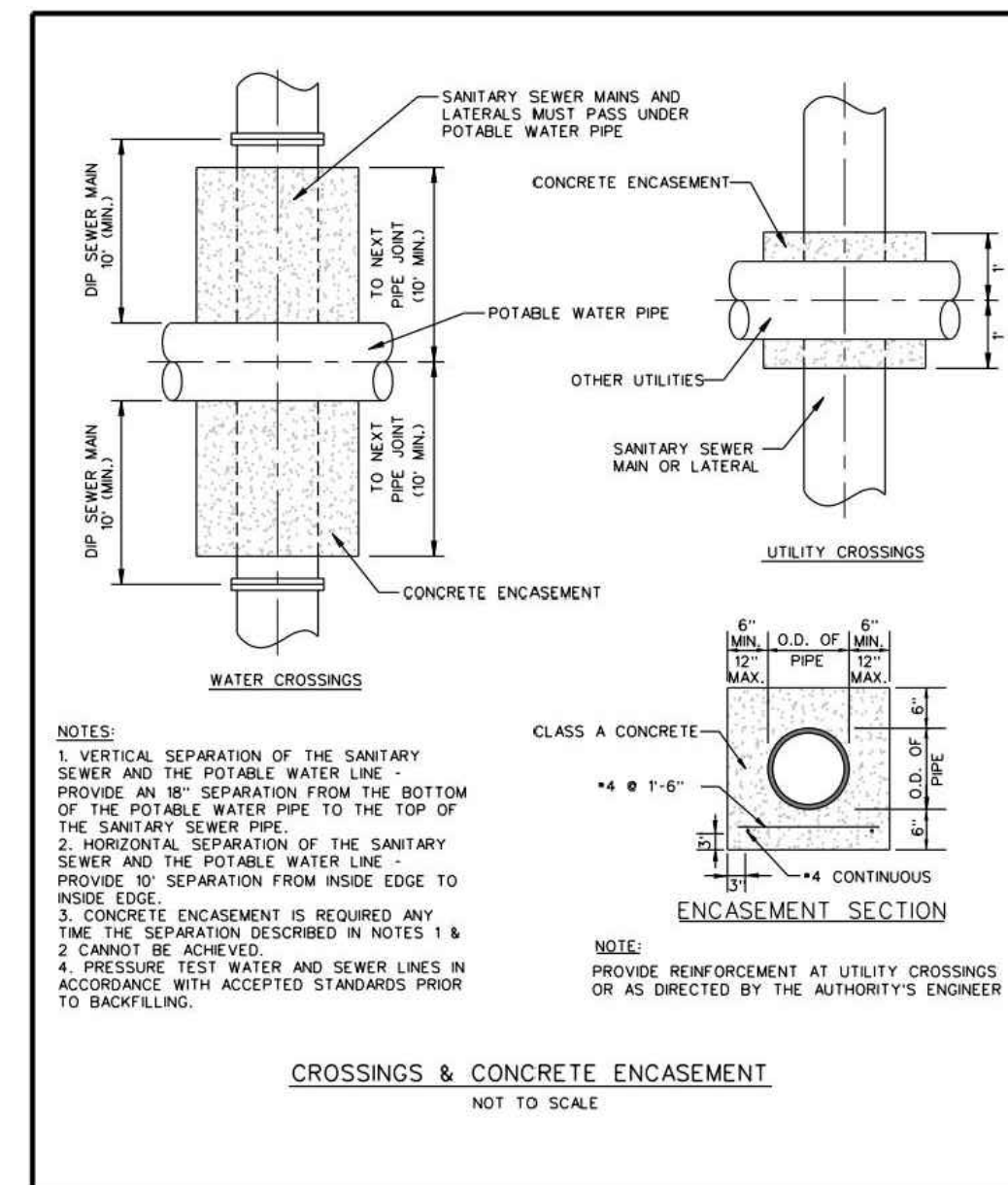
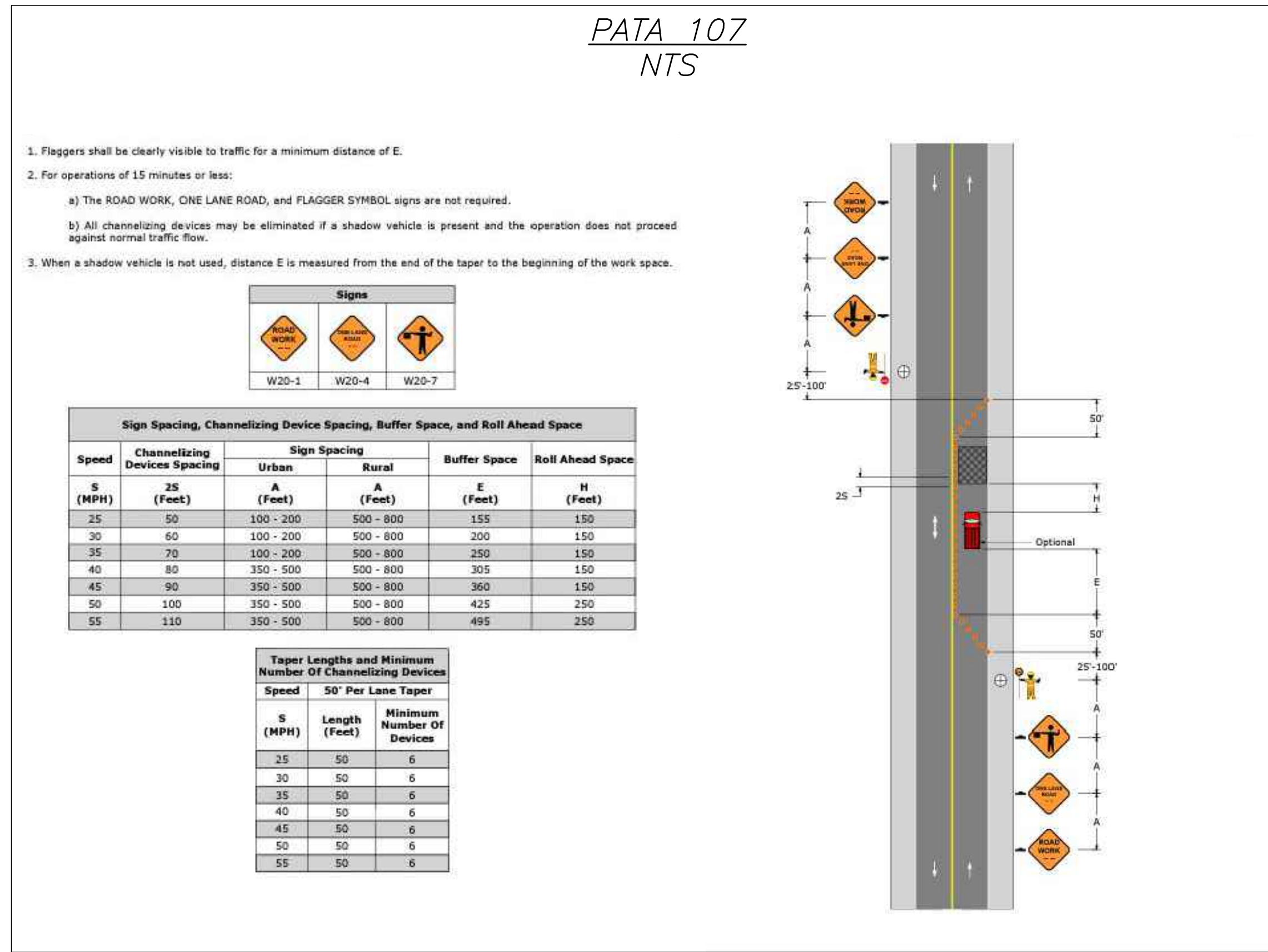
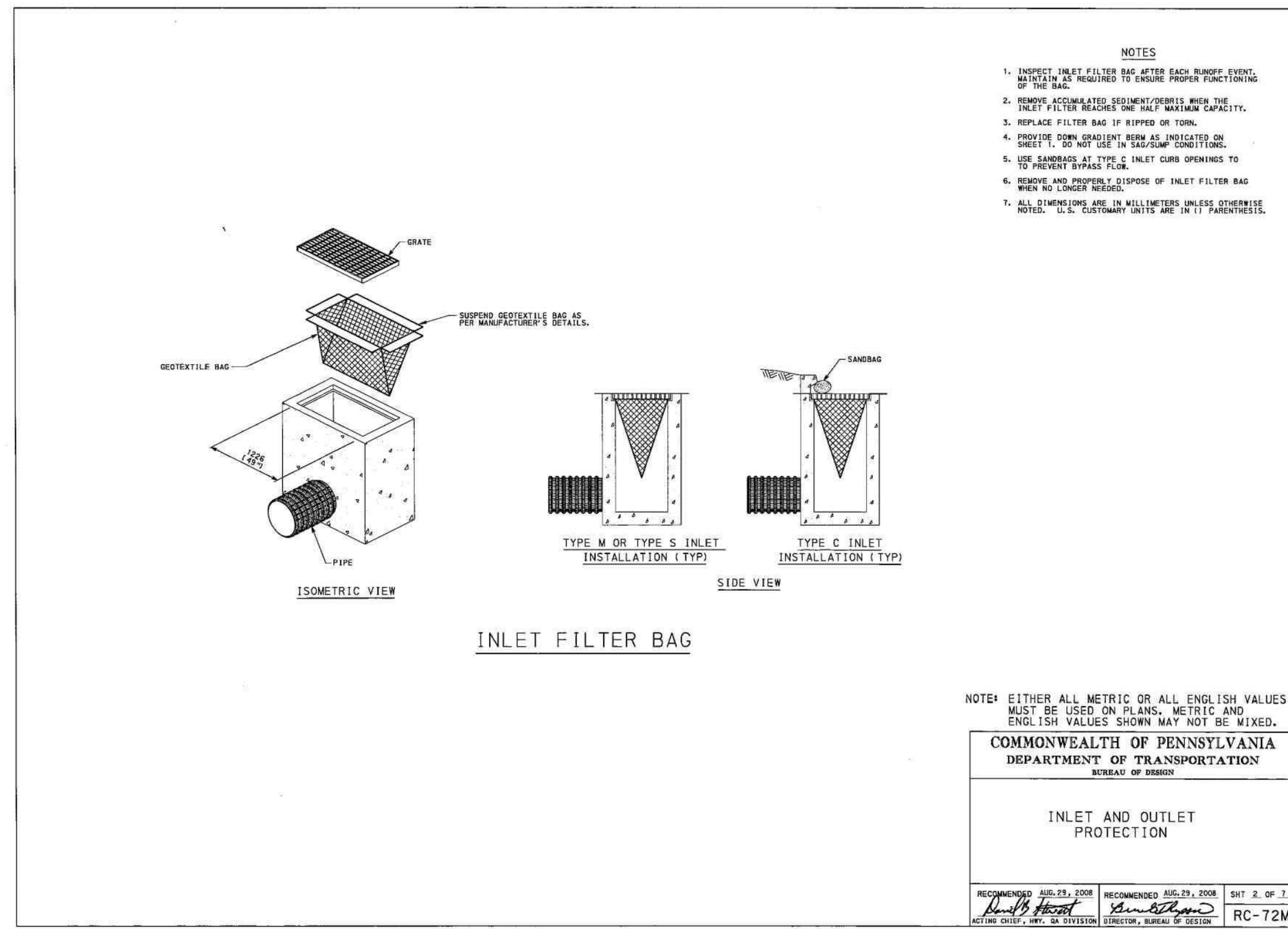
DESIGNED BY: R. PRESTON	DATE: 12/21/2023
DWN BY: J. NEWMAN	PROJECT NO.: PAWC62303
SUBMITTED BY: R. PRESTON	ECMS NO.: 012685
SCALE: N.T.S.	PLOT DATE: 12/21/2023
FILE NAME: P:\PAWC\PAWC62303	



PENNSYLVANIA AMERICAN WATER COMPANY
N. 11th AVENUE / AMTRAK BRIDGE NO. 37/54
WATER MAIN INSTALLATION
DETAILS & NOTES
CALN TOWNSHIP, CHESTER COUNTY, PA



Sheet
Number
3 of 4



REV.	DESCRIPTION	DATE	BY
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2	REVISED PER EACH TOWNSHIP COMMENTS DATED 3/16/2024	3/28/2024	JLN

DESIGNED BY:	DATE:	PROJECT NO.:
R. PRESTON	12/21/2023	PAWC62303
DWN BY:	CAD BY:	ECMS NO.:
J. NEWMAN	R. PRESTON	012665
SUBMITTED BY:	SCALE:	PLOT DATE:
R. PRESTON	N.T.S.	12/21/2023
FILE NAME:	FILE NAME:	
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PENNSYLVANIA AMERICAN WATER COMPANY
N. 11th AVENUE / AMTRAK BRIDGE NO. 3754
WATER MAIN INSTALLATION
DETAILS
CALN TOWNSHIP, CHESTER COUNTY, PA

