

BOROUGH OF EAST STROUDSBURG



COMMONWEALTH OF PENNSYLVANIA
BOROUGH OF EAST STROUDSBURG
MONROE COUNTY

ORDINANCE NO. 1415

AN ORDINANCE OF THE COUNCIL OF THE BOROUGH OF EAST STROUDSBURG, MONROE COUNTY, PENNSYLVANIA (“BOROUGH”), AMENDING CHAPTER 154 – WATER, OF THE CODIFIED ORDINANCES OF THE BOROUGH OF EAST STROUDSBURG. CHAPTER 154 – WATER SHALL BE AMENDED TO INCLUDE: LEGISLATIVE FINDINGS FOR AMENDMENTS; TO ADD A NEW SUBSECTION (11) TO CHAPTER §154-6, A. SERVICE LINES APPLYING CONSTRUCTION STANDARDS AND DETAILS CONTAINED IN APPENDIX C AND APPENDIX D; TO REMOVE THE FIRST SENTENCE OF CHAPTER §154-6 A. SERVICE LINES (4) AND REPLACE IT WITH A SENTENCE WHICH CLARIFIES CONSTRUCTION STANDARDS FOR SERVICE LINES; TO REMOVE THE FINAL SENTENCE OF CHAPTER §154-6, D. AND REPLACE IT WITH A SENTENCE WHICH CLARIFIES RESPONSIBILITY FOR PAYMENT OF CONSTRUCTION COSTS AND REQUIRES COMPLIANCE WITH APPENDIX C AND D; TO ADD AND INCORPORATE APPENDICES C, D, AND E WHICH PROVIDE CONSTRUCTION STANDARDS, MATERIALS AND DETAILS FOR ALL WATER UTILITY CONSTRUCTION, AS WELL AS PROVIDE FORMS FOR USE TO ESTABLISH WATER SERVICE AND FOR BACKFLOW PROTECTION; AND TO INCLUDE PROVISIONS FOR SEVERABILITY, REPEALER, AUTHORITY AND EFFECTIVE DATE.

WHEREAS, the Borough is a Municipal Corporation of the Commonwealth of Pennsylvania, organized and existing under the “Pennsylvania Borough Code”, as amended, 8 Pa.C.S. § 101, *et seq.*, (“Pennsylvania Borough Code”); and

WHEREAS, the East Stroudsburg Borough Council of the Borough pursuant to the Pennsylvania Borough Code, § 1202 (Specific powers), (5) make regulations for health, welfare and safety of the Borough, and § 1203 (Reserved powers), authority to make and adopt Ordinances, Bylaws, Rules, and Regulations for proper management and control of the Borough and its finances; and

WHEREAS, the Borough Council of the Borough of East Stroudsburg, Monroe County, Pennsylvania, has adopted Chapter 154 – Water as an ordinance to the Borough Code of East Stroudsburg; and

WHEREAS, the Borough of East Stroudsburg owns and operates the public water system providing for supply, treatment, conveyance, and distribution of potable water and fire protection

services to residential, commercial, industrial, and institutional properties within the Borough Water Service Area; and

WHEREAS, Borough Council has conducted a public hearing on the proposed amendment on April 15th, 2025, in accordance with the Pennsylvania Municipalities Planning Code, as amended; and

WHEREAS, the Borough of East Stroudsburg has determined that it is in the best interest of the health, welfare and safety of its citizens and customers of the public water system to develop, implement and enforce Water Construction Standards and Details to apply to all water utility construction, watermains, extensions, connections, service lines, laterals, appurtenances, repairs, and upgrades to the public water system.

NOW, THEREFORE, BE IT ORDAINED by the Council of the Borough of East Stroudsburg, Monroe County, Pennsylvania, that the following additions and amendments to Chapter 154 – Water of the Code of Ordinances of the Borough of East Stroudsburg be adopted:

SECTION 1 – A new subsection (11) shall be added to Chapter §154-6 Connection requirements and fees; penalties, A. Service Lines as follows: **(11) Chapter 154 Appendix C - Water Construction Standards and Appendix D – Water System Details shall apply to all water utility construction, watermains, extensions, connections, service lines, laterals, appurtenances, and upgrades to the Borough’s public water system.**

SECTION 2 – The first sentence of subsection Chapter §154-6 Connection requirements and fees; penalties, A. Service Lines (4) shall be amended by removing the sentence in its entirety and replacing it with the following sentence: **“The service line installed by the Customer or Developer shall not be less than three-fourths-inch (3/4-inch) K Copper tubing as required by the Borough and specified in Appendix C and Appendix D, and shall be laid not less than 54 inches below the final surface, and shall not be covered until the tap on the main is made, the service line has been inspected by the Borough and the service line has been fully tested and found passing.”**

SECTION 3 – The final sentence of subsection Chapter §154-6 Connection requirements and fees; penalties, D. shall be amended by removing the sentence in its entirety and replacing it with the following sentence: **“With respect to new subdivisions or land development projects within the Borough of East Stroudsburg, the total costs of all water mains, laterals, service lines, extensions, and repairs or upgrades of existing water mains and appurtenances shall be borne by the owners or developers of said subdivisions and/or land development projects and said water system improvements and extensions shall be constructed in accordance with the requirements and standards of Chapter 154 Appendix C - Water Construction Standards and Appendix D – Water System Details.”**

SECTION 4 - Chapter 154 shall be amended to include an Appendix C - Water Construction Standards as follows; Appendix C - Water Construction Standards shall apply to all water utility construction, watermains, extensions, connections, service lines, laterals, appurtenances, repairs, and upgrades to the Borough’s public water system.

APPENDIX C

CHAPTER 154
WATER CONSTRUCTION STANDARDS

General Construction Standards:

NOTE: Also refer to the Construction Details for additional standard requirements.

1. The East Stroudsburg Borough (Borough) shall be contacted seven (7) to ten (10) to days prior to any connection or activation or re-activation of service to the Borough's utility.
2. In addition to the state's mandatory One Call communication, the Contractor shall notify the Borough sufficiently in advance of any subsurface work within 10 feet of the Borough of East Stroudsburg's utilities.
3. The Borough has standardized some of the water system and sewer system appurtenances for the Borough's service area in order to facilitate their ability to repair and/or replace them with minimal down time. Contractors and/or Developers shall comply with these standards.
 - a. Substitutions will be considered per the Borough Engineer's review and recommendation and The Borough's approval.
4. When a standard is noted, it refers to the most recent version.
5. All materials and workmanship related to the watermain and sewermain construction / proposed dedication shall be subject to inspection, examination, and witness of testing by the Borough of East Stroudsburg (or representative of the Borough) and the Borough of East Stroudsburg's Professional at any time.
6. The Contractor shall notify the Borough sufficiently in advance of backfilling or concealing any water or sewer facilities to permit proper inspection. If any facilities are concealed without approval or consent of the Borough, the Contractor shall uncover for inspection and re-bury such facilities all at the Contractor's expense, when so requested by the Borough.
7. Neither inspection, testing, approval nor acceptance of the work in whole or in part, by the Borough or its agents shall relieve the Contractor of full responsibility for materials furnished or work performed not in strict accordance with Borough Standards and/or the Project's Contract Documents and Specifications.
8. During construction, the Contractor shall maintain a set of "as-built" record drawings referencing the location and elevation of all improvements related to the water and sewer facilities. At the end of the project, two (2) full sets of reproducible record drawings shall be submitted to the Borough of East Stroudsburg.
9. The Borough shall conduct compaction tests at locations required by the project specifications and as directed by the Borough Engineer during backfilling operations. Use testing procedure contained in ASTM D698, ASTM D2922, or ASTM D1556.

10. The degree of compaction required at each location shall be per the project plans and specifications.
11. No trench is to be left open overnight and/or during times of non-activity except that secured steel plating may be used to cover where the end of the new pipe installed during the day connects to the existing pipe as allowed by East Stroudsburg Borough (and PennDOT, if applicable). The Borough must first approve this installation prior to a steel plate being used. The ends and perimeter of steel plates must be secured in accordance with PaDOT requirements.
12. Where the ENGINEER or OWNER deems backfill material to be unsuitable and rejects all or part thereof due to conditions prevailing at the time of construction, the Contractor shall remove the unsuitable material and replace with select material backfill.
13. The Contractor is responsible for meeting all separation distance requirements pertaining to the relation of water mains to sanitary sewer mains or sanitary sewer laterals, or storm sewers, as required by East Stroudsburg Borough Specifications and PADEP Standards.
14. Bedding Materials:
 - a. Pipe Bedding – AASHTO No. 8 (PennDOT 1B) Coarse Aggregate, PennDOT No. 2A Crushed Stone Table “C” aggregate conforming to Section 703.2, Publication 408 Specifications or as specified on the trench details.
 - b. Structure Bedding – AASHTO No. 57 Aggregate conforming to Section 703.2, Publication 408 Specifications.

Water System Construction Standards:

1. Should any of the Borough of East Stroudsburg’s existing water facilities need to be operated/exercised, such as valves, curb stops, and fire hydrants, the Contractor shall notify the Borough of East Stroudsburg, and the Borough of East Stroudsburg personnel shall be the persons to operate/exercise the water facilities.
2. All material surfaces which may come in contact with potable water shall conform to ANSI/NSF Standard 61. Proof of certification will be provided to the Borough prior to installation.
3. The Contractor shall be fully aware that there is to be no interruption to the water service unless previously coordinated with the Borough.
4. The Borough’s standard water system appurtenances are as follows:
 - a. Fire Hydrants:
 - i. The Borough standard fire hydrant is the Muller Super Centurion model A-423, or Borough Engineer approved equivalent. High pressure fire hydrants will be required if applicable.

- ii. Thread pattern shall be confirmed with Local Fire Department.
- iii. Provide 5-¼ inch valve opening, two (2) - 2-½ inch threaded connections (NST) with covers, one (1) steamer connection (with integral Storz connection) and a 6 inch mechanical base joint connection.
- iv. All fire hydrants shall be provided with a minimum 5 ft. long fire hydrant barrel, or as otherwise recommended by the manufacturer to maintain the proper traffic rating and minimum burial depth.
- v. Color coding of fire hydrants - To assist the fire department in quickly locating fire hydrants during a fire emergency and in identifying the available flow capacity the fire hydrants shall be color coded consistent with the Water Department's color coding of municipal fire hydrants and NFPA Standard 291* for the classification of hydrants per their rated gallons-per-minute capacities.
 - 1. Hydrants shall be painted as follows:
 - a. Hydrant barrel/body - chrome yellow
 - b. The bonnet and port caps – color coded per the designated flows:

COLOR*	GALLONS PER MINUTE
LIGHT BLUE	> 1,500
GREEN	1,000 TO 1,499
ORANGE	500 TO 999
RED	LESS THAN 500
BLACK	OUT OF SERVICE

- 2. The Storz Fitting **will not** be painted.
- 3. Flow testing of new fire hydrants will be performed by a certified testing company and will be the responsibility of the Project Owner/Developer. Documentation of the flow testing will be provided to the Borough and Fire Department.
- vi. Operating Nut shall be 1 ½” Pentagon.
- vii. Thrust blocks and 2 – 316 S.S. Rods from valve to Hydrant are required for installation (see Hydrant Branch detail).
- b. Pipe and Fittings:
 - i. All pipe and fittings shall be coated on the outside with a bituminous coating in accordance with AWWA C151. The pipe and fittings shall have double cement lining in accordance with AWWA C104. Fittings may also be provided with fusion bonded epoxy internal coating conforming to AWWA requirements.

- ii. Waterlines, service lines and laterals, 4" diameter or larger shall consist of ductile iron, Class 52 or Class 53 (for flanged pipe only). All ductile iron pipes shall conform to ANSI A21.52/AWWA C151 and shall have a double thickness cement-mortar lining in accordance with ANSI A21.4/AWWA C104. Mechanical or push-on type joints with two (2) brass wedges per joint.
- iii. All piping, valves and fittings shall be rated for minimum working pressure of 250 psi. (unless otherwise noted.)
- iv. Polyethylene Encasement (V-Bio enhanced) shall be furnished and installed with all ductile iron pipe, fittings, valves, and appurtenance, including hydrant branches and stubs and water service connection installations. Polyethylene Encasement shall be installed and secured in accordance with manufacturer's recommendations.
- v. The minimum depth of cover shall be 4'-6" unless otherwise approved by the Borough. Continuous detectable warning tape shall be installed 1' directly above all pipes, fittings, including hydrant branches and stubs and water service connections.
- vi. Buried Service lines and laterals 2" diameter and smaller shall be seamless type k copper conforming to ASTM B88. Unions and fittings shall be quick joint couplings by Ford Meter Box Co, Mueller or approved equivalent. "No Lead" brass certifications are required for all surfaces in contact with potable water.

c. Gate Valves:

- i. Buried gate valves shall be AWWA side wedge design, non-rising stem, parallel resilient seat, modified wedge disc gate valves for 250 psi Working Pressure with Mechanical Joint Ends. AWWA C509 gray or ductile iron body and bonnet, standard stem and nut, AWWA C550 interior control. Valves shall be fusion epoxy lined. All material surfaces which may come in contact with potable water shall conform to ANSI/NSF Standard 61.
- ii. Mueller Co A2360-20 or Engineer approved equivalent.
- iii. Gate Valves in meter vaults or building interiors shall be OS&Y type with flanged connections.

d. Corporation Stop:

- i. Curb Stops/Valves: Standard curb stop is Mueller 300 ball curb valves with Mueller 110 Connection, Model No. B-25209, manufactured by Mueller Corp., or Engineer approved equivalent.
- ii. Union and fittings are "lead free" quick joint couplings as manufactured by Mueller or Engineer approved equivalent.

e. Valve Box:

- i. Standard valve box is screw type, two-piece with lid, 5-1/4 inch shaft, traffic rated, adjustable valve box manufactured by Bingham & Taylor or Tyler/Union Foundry Co.
- ii. The lid will note "WATER".

f. Restraints:

- i. Fittings shall be ductile iron, mechanical joint in accordance with AWWA C110 and C153. All fittings shall be restrained by EBAA Iron Megalug Series 1100 joint restraints or Ford Uni-flange Series 1400, or approved equivalent, with fluoropolymer coated (blue) bolts or approved equivalent, in addition to concrete thrust blocks. Push-on joints will not be acceptable for fittings. Double cement lining or fusion bonded epoxy coating, conforming to AWWA requirements, shall be provided for all fittings. NSF-61 certification required unless otherwise approved by Utility Owner.
- ii. All pipe joints upstream and downstream of all elbows, bends, tees and end caps shall be restrained with U.S. Pipe Field Lok 350 Joint Restraint Gaskets or approved equivalent. The upstream and downstream restraint distance shall be no less than the minimum recommended by the joint restraint manufacturer for the type and size of the fitting and anticipated test pressure. These joint restraints shall be used in combination with thrust blocking and mechanical joint restraints at the fitting.

g. Water Meter Pits:

- i. Meter Boxes for up to 2-inch diameter meters shall be furnished and installed by the Borough.
- ii. Meters can installed within a utility room with Borough exterior access as needed. This placement will also need to be compatible with the Borough's remote metering system.
- iii. Copper piping shall be provided from curb stop to Meter Box connection, up to 15 feet.
- iv. 5/8" to 1" Meters:
 - a. Provide 18" diameter x 60" deep Coil Pittsetter (PFCBHH-288-18-60-NL) as manufactured by Ford Meter Box Company, or approved equivalent.
 - b. Coil complies with AWWA C901 standards, NSF 61 approved and shall be rated at a minimum of 200 psi.

- c. The pit shall have a flat locking lid and shall meet the requirements of the Borough's remote metering system.

- v. 1.5" to 2" Flanged Meters:
 - a. Provide 36" diameter x 60" deep Pit Setter (PMBHH-688-36HB-60-NL) as manufactured by Ford Meter Box Company, or approved equivalent.
 - b. Copper Pipe complies with AWWA C901 standards, NSF 61 approved and shall be rated at a minimum of 200 psi.
 - c. The pit shall have a flat locking lid and shall meet the requirements of the Borough's remote metering system.
 - d. The pit shall be piped per the meter manufacturer's recommendations for accurate meter readings.

- vi. For meters larger than 2-inch diameter, the Contractor/Developer shall submit shop drawings of the proposed meter vault and hatch for review by the Borough.

5. Water System Testing and Disinfection:

- i. All water supply piping, whether mains, service lines, or sample lines, shall be pressure tested in accordance with ANSI/AWWA C600.
- ii. All water main and service lines to be installed shall be subjected to pressure testing, disinfection, and bacteria testing (and retesting if needed) Disinfection per AWWA C651-14.
- iii. The Customer's Design Engineer will coordinate with the Borough, to provide the calculated expected "Working" system pressure for each section of watermain piping to be tested. Ideally, the sections will be tested at 1-1/2 times the applicable working pressure for a minimum 2 hour duration. In no case shall sections or pipelines be tested at less than 150 psig, nor greater than 250 psig (in order to not exceed the pressure rating of valves and hydrants).
- iv. All testing to be performed under the observation of the Borough of East Stroudsburg's representative.

SECTION 5 - Chapter 154 shall be amended to include an Appendix D - Water System Details as follows; Appendix D - Water System Details shall apply to all water utility construction, watermains, extensions, connections, service lines, laterals, appurtenances, repairs, and upgrades to the Borough's public water system.

APPENDIX D

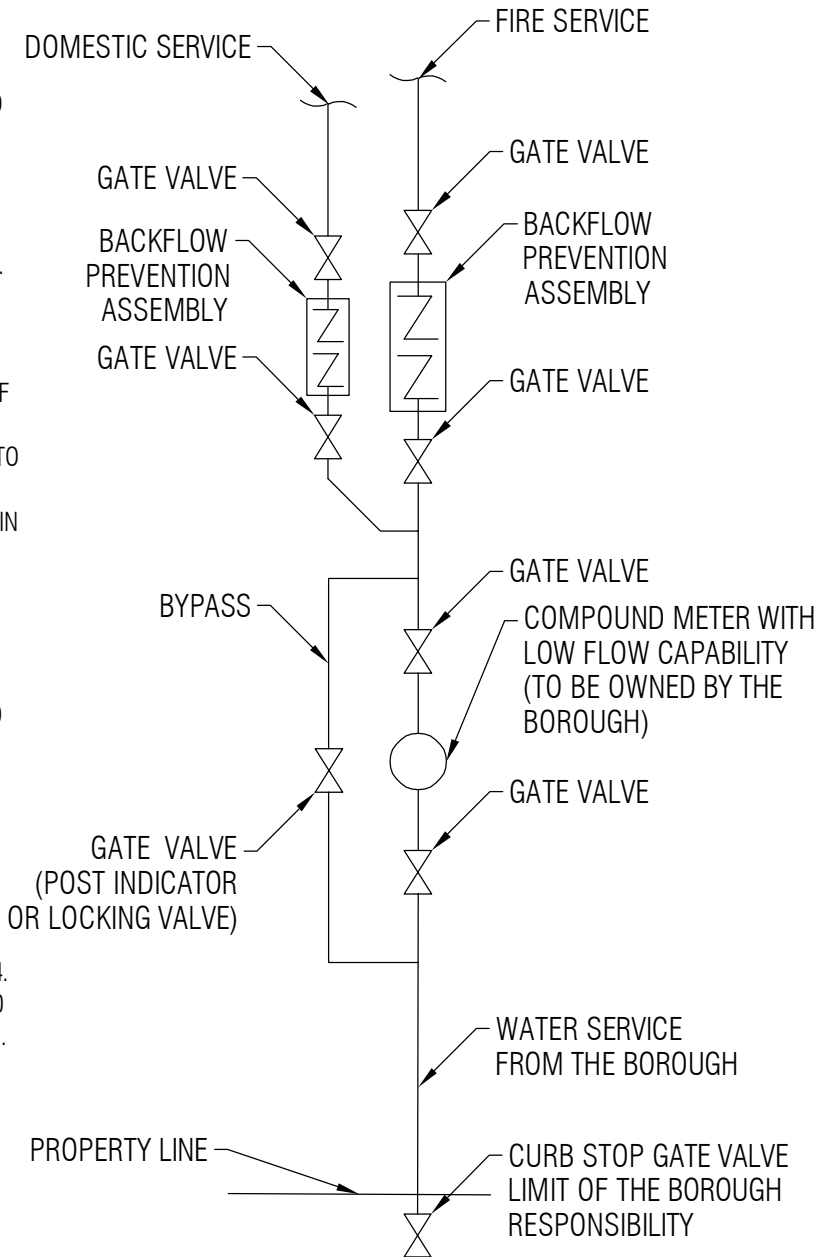
CHAPTER 154

WATER SYSTEM DETAILS:

- W - 1 - Meter Vault Schematic**
- W - 2 - Gate Valve Assembly**
- W - 3 - Hydrant Branch Installation**
- W - 4 - Curb Stop and Box**
- W - 5 - Service Lateral and Tapping**
- W - 6 - Meter Pit**
- W - 7 - Water and Sewer Crossing**
- W - 8 - Concrete Encasement**
- W - 9 - Water Main Trench**
- W - 10 - Temporary Trench Restoration**
- W - 11 - Permanent Pavement Replacement**

NOTES:

1. PROVIDE METER BYPASS PIPING OR SPOOL PIECE FOR METER REPLACEMENT / MAINTENANCE.
2. PROVIDE SUMP PIT WITH PUMP OR DRAIN TO DAYLIGHT SCREEN OR DUCKBILL CHECK VALVE ON DISCHARGE.
3. PROJECT ENGINEER TO INSURE METER(S) MEET CAPACITY AND ACCURACY. REQUIREMENTS BASED ON PROJECT DESIGN.
4. ALL METER VAULT PENETRATIONS MUST BE WATERTIGHT.
5. PROVIDE ADEQUATE PIPE SUPPORTS TO ALLOW FOR REMOVAL AND MAINTENANCE OF MAJOR APPURTENANCES.
6. AN ACCESS AND MAINTENANCE EASEMENT TO BE PROVIDED FOR METER VAULT ACCESS.
7. PRV (IF REQUIRED) SHALL BE LOCATED WITHIN THE BUILDING.
8. VAULT HATCHES/DOORS SHALL BE TRAFFIC BEARING AND PROVIDED WITH LOCKING MECHANISMS. KEY TO BE PROVIDED TO THE BOROUGH. THE VAULT AND HATCH SHALL PROVIDE FOR AN ANTENNA/TRANSMITTER TO ACCOMMODATE REMOTE AMI READINGS BY THE BOROUGH.
9. THE BOROUGH SHALL FURNISH AND RETAIN OWNERSHIP OF THE ACTUAL WATER METER, TO BE INSTALLED BY THE CONTRACTOR. THE CUSTOMER SHALL REIMBURSE THE COST OF THE WATER METER PURCHASE IN ACCORDANCE WITH BOROUGH CHAPTER 154.
10. THE METER VAULT WILL BE RATED FOR H- 20 LOADING MINIMUM FOR VEHICULAR TRAFFIC.
11. A SHOP DRAWING SHALL BE SUBMITTED TO THE BOROUGH FOR REVIEW AND ACCEPTANCE, PRIOR TO ORDERING.



NOTE:

1. THIS SCHEMATIC SHALL APPLY TO METER INSTALLATIONS TO INDUSTRIAL, LARGE COMMERCIAL AND MULTI-RESIDENTIAL CUSTOMER CONNECTIONS.

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PROJECT MANAGER RDS	DESIGNED BY AD	W - 1 METER VAULT SCHEMATIC CHAPTER 154 - WATER CONSTRUCTION DETAILS EAST STROUDSBURG BOROUGH 24 ANALOMINK ST. EAST STROUDSBURG BOROUGH MONROE COUNTY, PA	
DRAWN BY AD	CHECKED BY		
DATE 1-28-25	CHECKED DATE		
SCALE NTS	PROJECT NO. 10205.577		

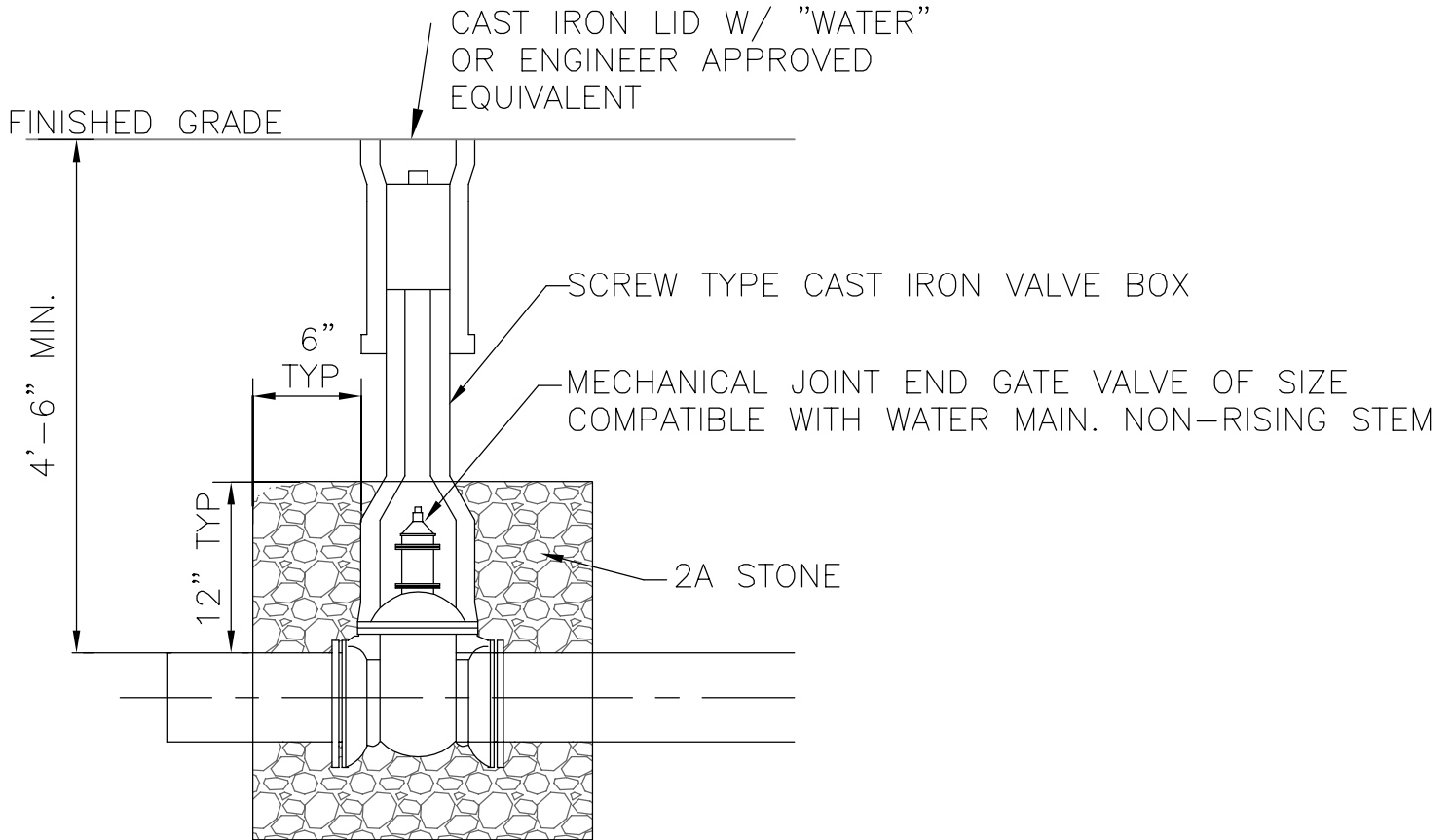
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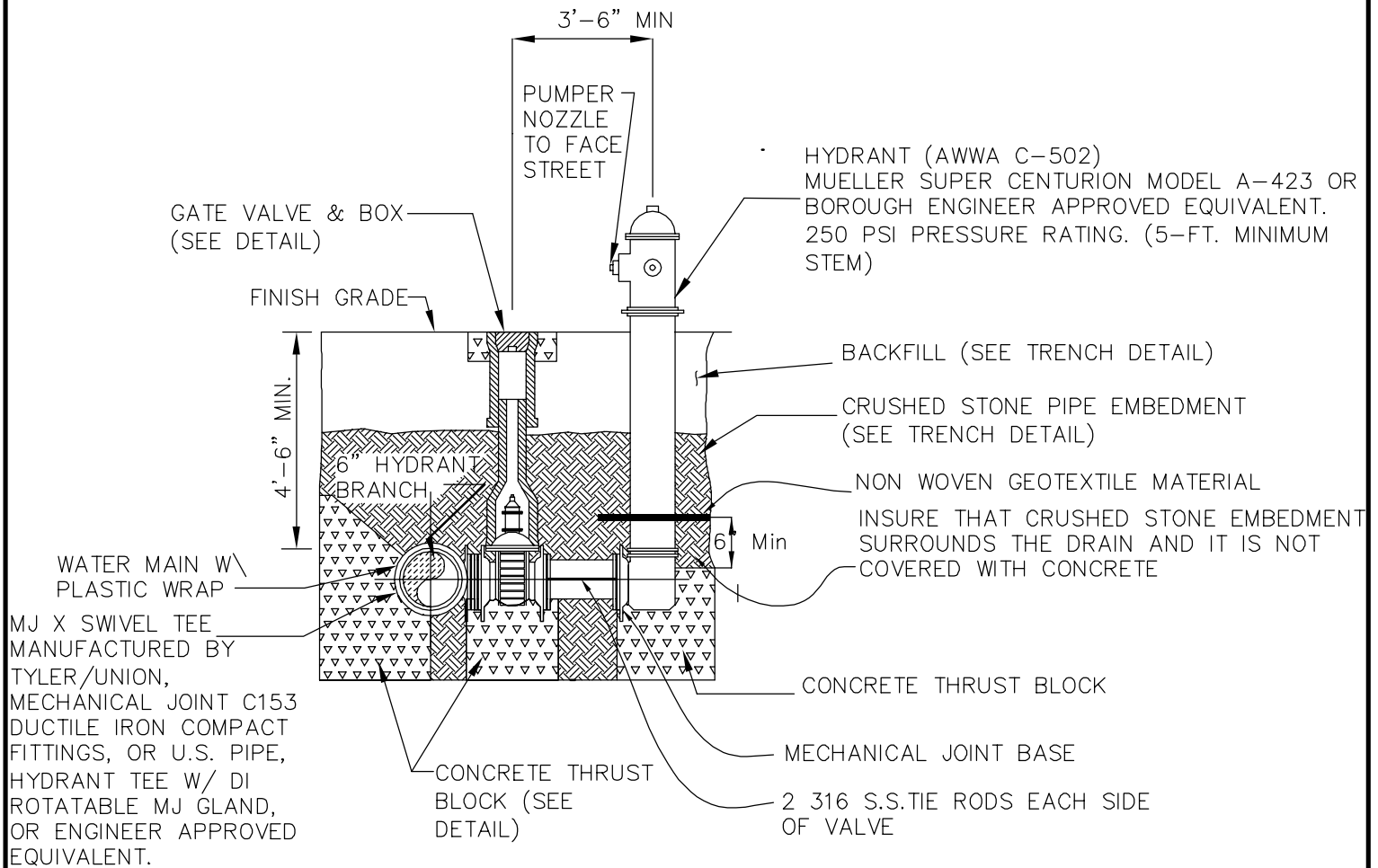
NOTE:

1. GATE VALVES MUST MEET AWWA SPECIFICATIONS WORKING PRESSURE = 250 PSI.
2. MUELLER CO. MODEL NO. A2360-20 OR APPROVED EQUAL

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PROJECT MANAGER RDS	DESIGNED BY AD	W - 2 GATE VALVE ASSEMBLY CHAPTER 154 - WATER CONSTRUCTION DETAILS EAST STROUDSBURG BOROUGH 24 ANALOMINK ST. EAST STROUDSBURG BOROUGH MONROE COUNTY, PA
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SCALE NTS	PROJECT NO. 10205.577	

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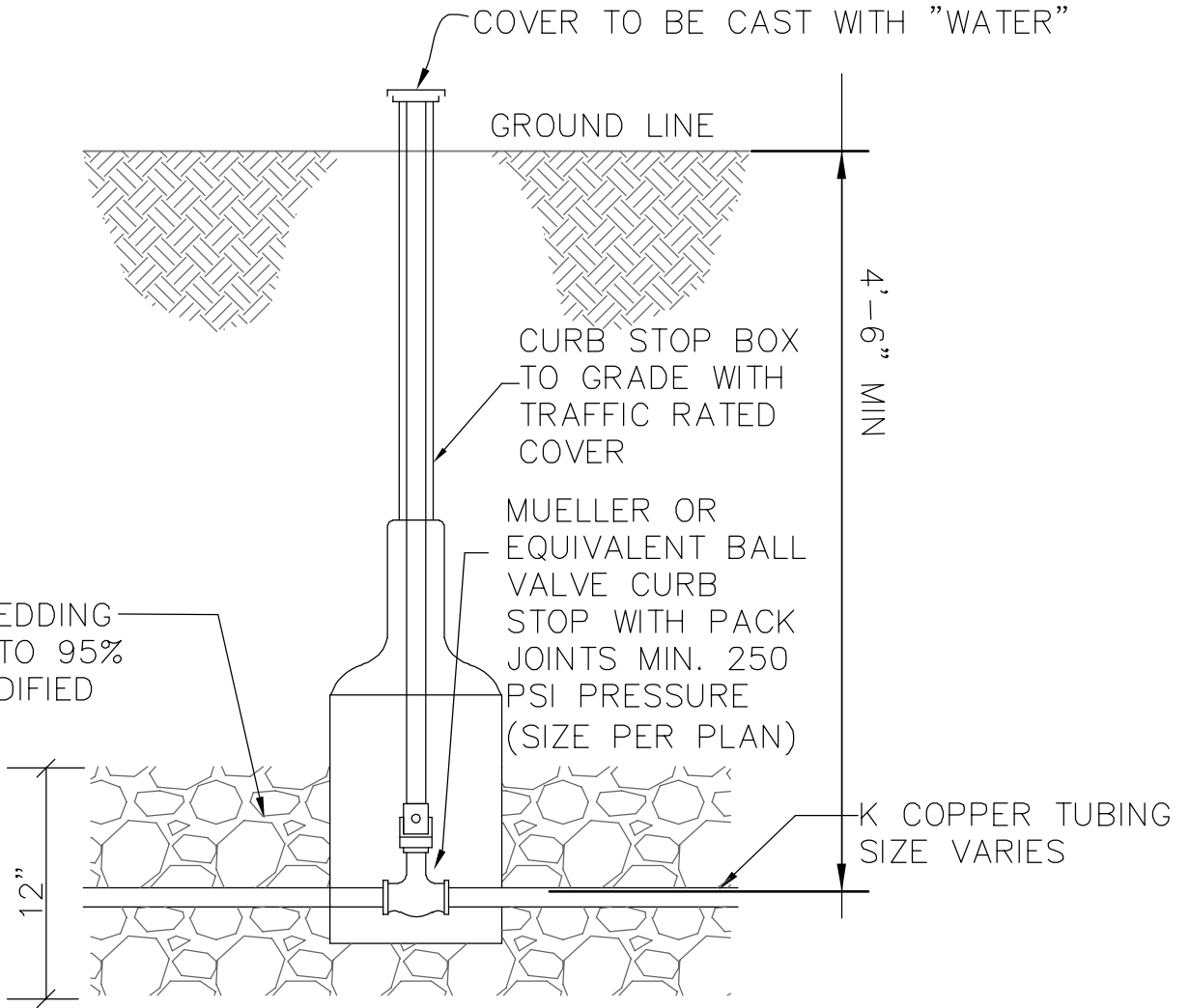


NOTE:

1. ALL HYDRANTS TO BE PLACED ON EDGE OF SIDEWALK INSIDE BOROUGH RIGHT OF WAY.
2. ALL FITTINGS (TEE, VALVE & HYDRANT) MUST BE DUCTILE IRON, MECHANICAL JOINT, FULLY RESTRAINED.
3. COLOR CODING OF MUNICIPAL FIRE HYDRANTS PER NFPA 291 STANDARD.
4. PROVIDE 5-1/4 INCH VALVE OPENING, TWO (2) - 2-1/2 INCH THREADED CONNECTIONS (NST) WITH COVERS, ONE (1) STREAMER CONNECTION (WITH INTEGRAL STORZ CONNECTION) AND A 6 INCH MECHANICAL BASE JOINT CONNECTION.

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PROJECT MANAGER RDS	DESIGNED BY AD	<p align="center">W - 3 HYDRANT BRANCH INSTALLATION</p> <p align="center">CHAPTER 154 - WATER CONSTRUCTION DETAILS</p> <p align="center">EAST STROUDSBURG BOROUGH</p> <p align="center">24 ANALOMINK ST.</p> <p align="center">EAST STROUDSBURG BOROUGH MONROE COUNTY, PA</p>	AUTHORIZED USE:	<p align="center">RKR HESS</p> <p align="center">A DIVISION OF UTRS</p> <p align="center">Civil Engineers • Environmental Engineers • Surveyors 112 North Courtland Street, East Stroudsburg, Pa. 18301 Telephone (570) 421-1550, Fax (570) 421-6720 © 2025 Website: www.rkrhess.com Email: info@rkrhess.com All rights reserved</p>
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DATE 3-27-25	CHECKED DATE			
SCALE NTS	PROJECT NO. 10205.577			



I B STONE BEDDING
COMPACTED TO 95%
MAXIMUM MODIFIED
DRY DENSITY

12"

COVER TO BE CAST WITH "WATER"

GROUND LINE

CURB STOP BOX
TO GRADE WITH
TRAFFIC RATED
COVER

4'-6"
MIN

MUELLER OR
EQUIVALENT BALL
VALVE CURB
STOP WITH PACK
JOINTS MIN. 250
PSI PRESSURE
(SIZE PER PLAN)

K COPPER TUBING
SIZE VARIES

NOTE:

1. CURB BOX SHALL HAVE PLUG STYLE LID WITH BRASS PENTAGON PLUG FEATURING A COARSE THREAD TO ENABLE QUICK AND EASY REMOVAL. CURB BOX SHALL BE ERIE STYLE BOX WITH SUFFICIENT DEPTH OF COVER AS MANUFACTURED BY EJ PRESCOTT, OR BOROUGH ENGINEER APPROVED EQUIVALENT. ALL CURB STOP & BOX INSTALLATIONS ARE TO BE LOCATED IN NON TRAFFIC AREAS.

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PROJECT MANAGER RDS	DESIGNED BY AD
DRAWN BY AD	CHECKED BY
DATE 1-28-25	CHECKED DATE
SCALE NTS	PROJECT NO. 10205.577

W - 4 CURB STOP AND BOX

CHAPTER 154 - WATER CONSTRUCTION DETAILS
EAST STROUDSBURG BOROUGH
24 ANALOMINK ST.

EAST STROUDSBURG BOROUGH MONROE COUNTY, PA

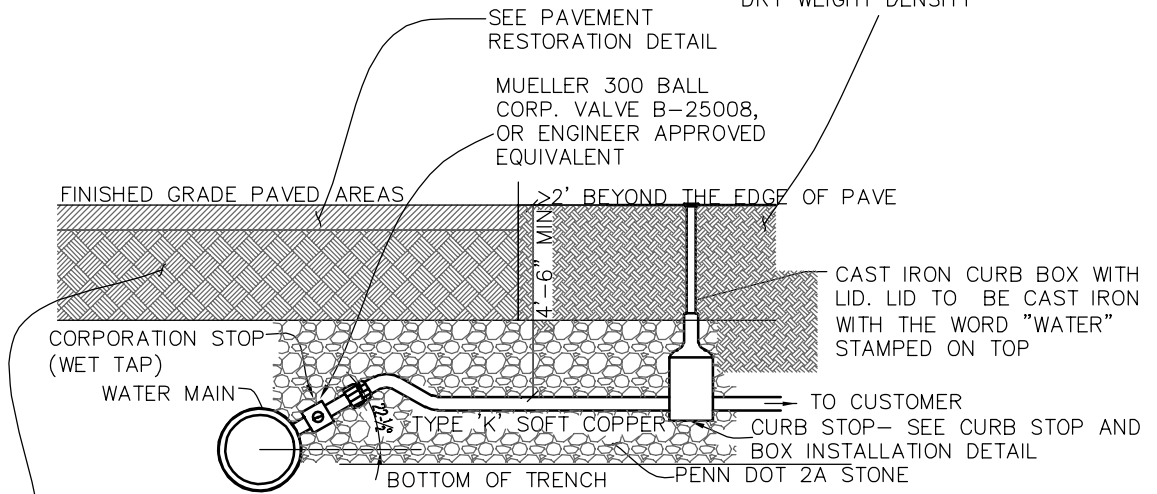
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BACKFILL WITH NATIVE MATERIAL FREE OF VEGETATIVE MATTER AND STONES 6"Ø OR LARGER PLACED IN 6" LIFTS AND COMPACTED TO 95% UNIT DRY WEIGHT DENSITY



BACK FILL WITH PENN DOT NO.2A CRUSHED STONE TABLE "C" SECTION 703.2, PUB. 408 SPECIFICATIONS PLACED IN 4" LIFTS AND COMPACTED TO 95% DRY WEIGHT DENSITY IN PAVED AREAS.

NOTE:

1. ALL SERVICE LATERALS, SERVICE LINES AND COMPONENTS SHALL BE RATED FOR A MINIMUM WORKING PRESSURE OF 250 PSI.
2. WATER SERVICE LINE FROM THE CURB STOP TO THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CUSTOMER, BUT SHALL CONFORM TO BOROUGH STANDARDS AND SHALL BE INSPECTED BY BOROUGH PERSONNEL PRIOR TO BACKFILL. PRESSURE TESTING SHALL BE PERFORMED IN THE PRESENCE OF BOROUGH PERSONNEL.

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PROJECT MANAGER RDS	DESIGNED BY AD
DRAWN BY AD	CHECKED BY
DATE 1-28-25	CHECKED DATE
SCALE NTS	PROJECT NO. 10205.577

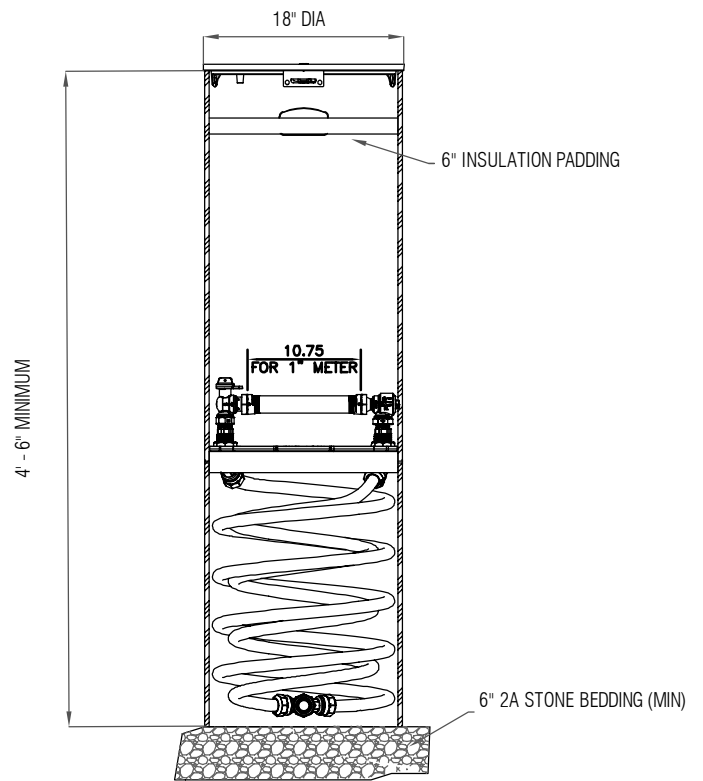
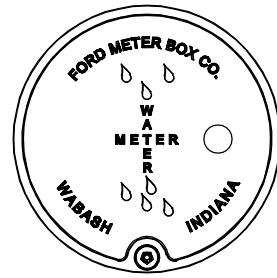
W - 5 SERVICE LATERAL AND TAPPING
CHAPTER 154 - WATER CONSTRUCTION DETAILS
EAST STROUDSBURG BOROUGH
24 ANALOMINK ST.
EAST STROUDSBURG BOROUGH MONROE COUNTY, PA

AUTHORIZED USE:
PERMITS



A DIVISION OF 

Civil Engineers • Environmental Engineers • Surveyors
112 North Courtland Street, East Stroudsburg, Pa. 18301
Telephone (570) 421-1550, Fax (570) 421-6720
Website: www.rkrhess.com Email: info@rkrhess.com © 2025 All rights reserved



NOTES:

1. THESE DETAILS REFER TO INDIVIDUAL METER PITS FOR 5/8" TO 3/4" METERS. METERS LARGER THEN 1" AND PITS WILL BE ADDRESSED ON A CASE BY CASE BASIS.
2. METERS CAN BE INSTALLED WITHIN A UTILITY ROOM IF APPLICABLE.
3. METER PITS WILL INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
4. METER PITS TO BE INSTALLED OUTSIDE TRAFFIC AREAS OR SIDEWALKS.
5. ALL APPURTENANCES WHICH COME IN CONTACT WITH POTABLE WATER SHALL BE NSF-61 CERTIFIED AND WILL HAVE A MINIMUM PRESSURE RATING OF 200 PSI.
6. METER PIT LIDS WILL BE LOCKABLE AND HAVE AN OPENING FOR THE BOROUGH'S REMOTE READ SYSTEM.
7. A 6" INSULTING FOAM DISK WILL BE INSTALLED TO PREVENT FREEZING.

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SCALE NTS	PROJECT NO. 10205.577

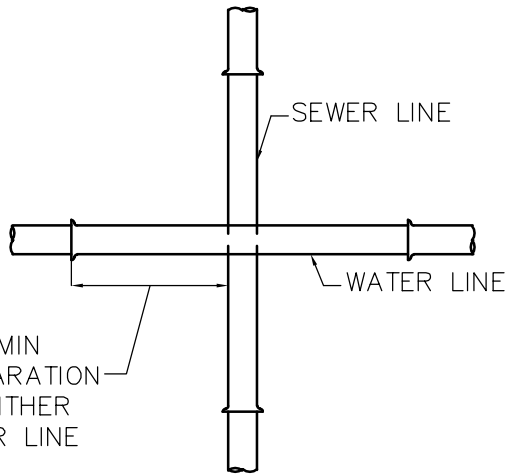
W - 6 METER PIT
CHAPTER 154 - WATER CONSTRUCTION DETAILS EAST STROUDSBURG BOROUGH 24 ANALOMINK ST.
EAST STROUDSBURG BOROUGH MONROE COUNTY, PA

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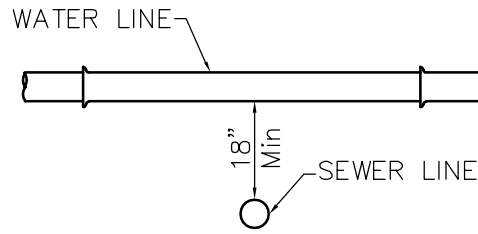
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MAINTAIN 18" MIN VERTICAL SEPARATION FOR 10' MIN EITHER SIDE OF SEWER LINE

PLAN



SECTION

NOTE: SEE PA DEP WATER AND SEWER REGULATIONS AND STANDARDS



1. IN GENERAL, SANITARY SEWERS (MAINS AND LATERALS) SHALL MAINTAIN A MINIMUM OF 10 FT. HORIZONTAL SEPARATION DISTANCE FROM EXISTING WATER MAINS. WHENEVER THIS HORIZONTAL SEPARATION CANNOT BE MAINTAINED, SANITARY SEWERS SHALL BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS 18 INCHES ABOVE THE TOP OF THE SEWER. THIS VERTICAL SEPARATION SHALL BE MAINTAINED FOR THE PORTION OF THE SEWER LOCATED WITHIN 10 FEET HORIZONTALLY OF ANY WATER MAIN IT CROSSES. THE 10 FEET IS TO BE MEASURED AS A PERPENDICULAR DISTANCE FROM THE SEWER LINE TO THE WATER MAIN.

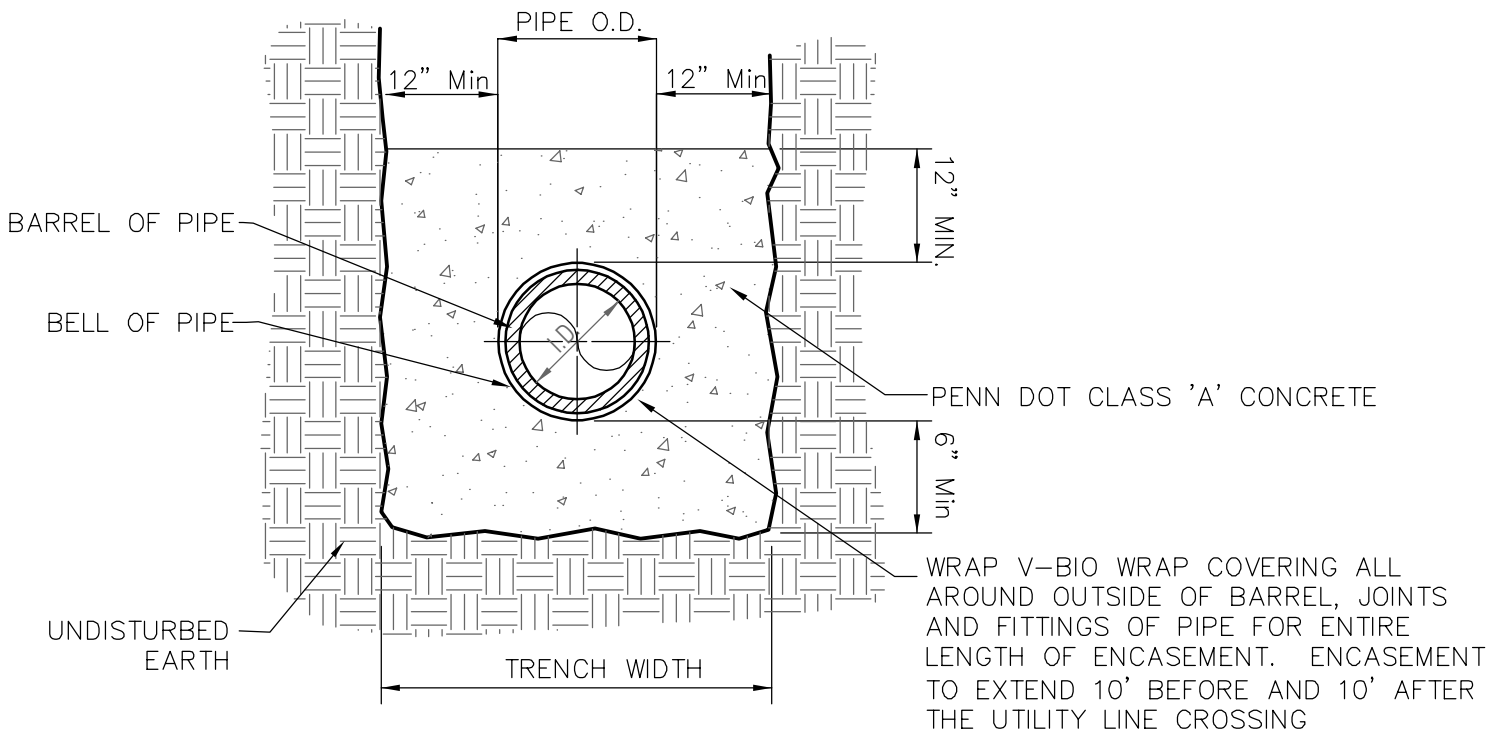
2. FOR CROSSING OVER STORM SEWERS:

WHEN IT IS IMPOSSIBLE TO OBTAIN THE PROPER HORIZONTAL AND/OR VERTICAL SEPARATION, AND THE WATER MAIN MUST CROSS OVER THE STORM SEWER:

- A. ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE WATER MAIN TO PREVENT DAMAGE TO STORM SEWER.
- B. A FULL LENGTH OF WATER MAIN SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS SHALL BE EQUIDISTANT.
- C. CONCRETE ENCASEMENT OF THE WATER MAIN SHALL BE PROVIDED AS INDICATED FOR 10' ON EACH SIDE OF THE WATER MAIN/STORM SEWER CROSSING, UNLESS OTHERWISE PERMITTED BY THE OWNER AND ENGINEER.

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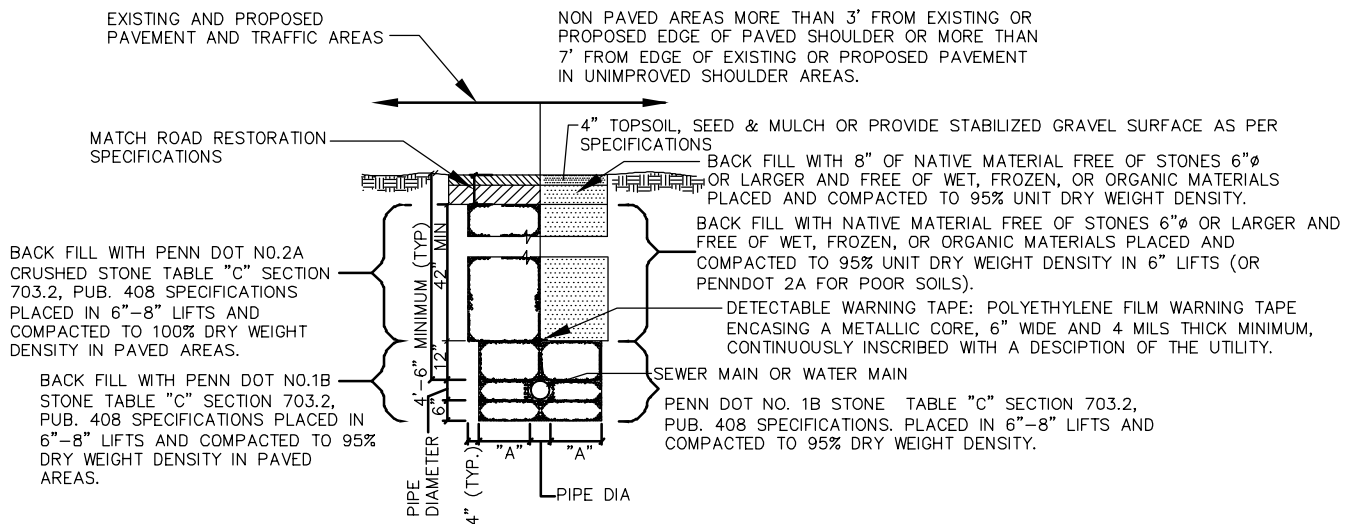
PROJECT MANAGER	DESIGNED BY
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DRAWN BY	CHECKED BY
AD	
DATE	CHECKED DATE
1-28-25	
SCALE	PROJECT NO.
NTS	10205.577

W - 8 CONCRETE ENCASEMENT
 CHAPTER 154 - WATER CONSTRUCTION DETAILS
 EAST STROUDSBURG BOROUGH
 24 ANALOMINK ST.
 EAST STROUDSBURG BOROUGH MONROE COUNTY, PA

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PIPE SIZE	"A"
8"-12"	12"
>12"	PIPE DIA

NOTE:

- 2A AGGREGATE BACKFILL IS REQUIRED WHEREVER THE UTILITY IS WITHIN 3 FEET OF THE SHOULDER OR WITHIN 7 FEET OF EDGE OF PAVEMENT IN UNIMPROVED SHOULDER AREAS.
- POOR NATIVE SOIL INCLUDES BUT NOT LIMITED TO: PEAT, MUCK OR HIGHLY EXPANSIVE SOILS.
- DISTURBED AREAS MUST RECEIVE TEMPORARY RESTORATION AT THE END OF EACH DAY.

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RDS	AD
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AD	
DATE	CHECKED DATE
1-28-25	
SCALE	PROJECT NO.
NTS	10205.577

W - 9 WATER MAIN TRENCH
 CHAPTER 154 - WATER CONSTRUCTION DETAILS
 EAST STROUDSBURG BOROUGH
 24 ANALOMINK ST.
 EAST STROUDSBURG BOROUGH MONROE COUNTY, PA

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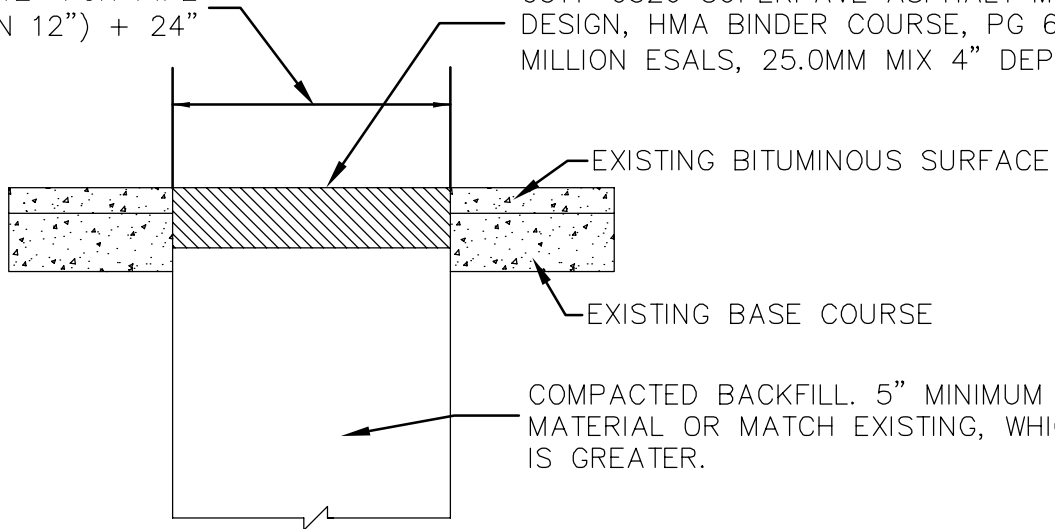
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 A DIVISION OF **UTRS**

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W = PIPE DIA (OR 12" FOR PIPE WITH DIA LESS THAN 12") + 24"

0311-0326 SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG 64-22, <0.3 MILLION ESALS, 25.0MM MIX 4" DEPTH



NOTE:

1. DISTURBED AREAS MUST RECEIVE TEMPORARY RESTORATION AT THE END OF EACH DAY.

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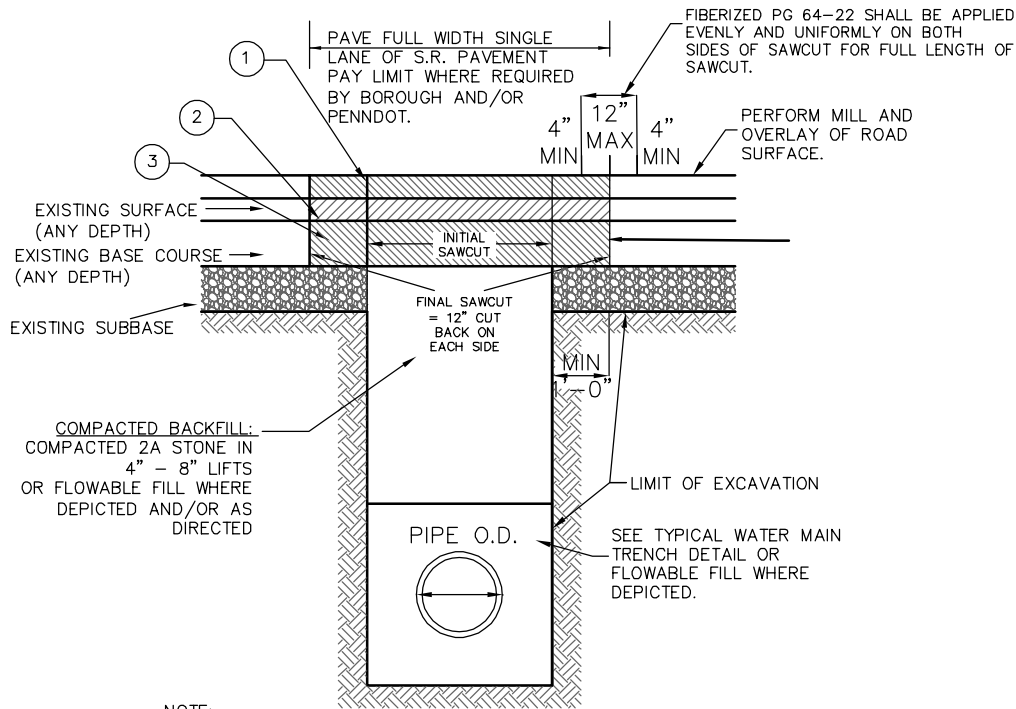
PROJECT MANAGER RDS	DESIGNED BY AD	W - 10 TEMPORARY TRENCH RESTORATION CHAPTER 154 - WATER CONSTRUCTION DETAILS EAST STROUDSBURG BOROUGH 24 ANALOMINK ST. EAST STROUDSBURG BOROUGH MONROE COUNTY, PA
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DATE 1-28-25	CHECKED DATE	
SCALE NTS	PROJECT NO. 10205.577	

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NOTE:



1. ALL MATERIAL THICKNESSES SHOWN FOR STATE HIGHWAY RESTORATION DETAILS ARE MINIMUMS. EXISTING DEPTHS GREATER THAN INDICATED MINIMUM VALUES MAY NEED TO BE RESTORED IF DIRECTED BY PENNDOT AND PROFESSIONAL.
2. FULL DEPTH SAWCUTS SHALL BE PERFORMED FOR ALL OPENINGS MADE WITHIN THE PAVEMENT. THE CONTRACTOR SHALL BE FULLY AWARE THAT ALL AREAS OF UNDERLYING CONCRETE PAVEMENT SHALL BE SAWCUT TO FULL DEPTH, UNLESS OTHERWISE PERMITTED BY PENNDOT.
3. THE RESTORATION DEPICTED REPRESENTS PERMANENT PAVEMENT FOR DISTURBED PENNDOT RIGHT OF WAY.
4. DISTURBED AREAS MUST RECEIVE TEMPORARY PAVEMENT RESTORATION AT THE END OF EACH DAY.

- ① SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- ② SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 19.0 MM MIX, 2 1/2" DEPTH
- ③ SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH MINIMUM

TRENCH BACKFILL NOTES:

1. PENNDOT NO. 2A CRUSHED STONE BACKFILL SHALL BE UTILIZED FOR ALL TRENCH BACKFILL OF PENNDOT CARTWAY, AS DEPICTED IN THE DETAIL.
2. FOR WORK IN PENNDOT RIGHT-OF-WAYS, THE TRENCH BACKFILL SHALL BE PERFORMED IN THE PRESENCE OF A PENNDOT AUTHORIZED INSPECTOR PER THE REQUIREMENTS OF PUBLICATION 40B, SECTION 601.3q. THE INSPECTOR WILL COMPLETE FORM CS-6 FOR EACH RUN OF THE INSTALLED PIPE.
3. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH PENNDOT STANDARDS

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PROJECT MANAGER RDS	DESIGNED BY AD	W - 11 PERMANENT PAVEMENT REPLACEMENT CHAPTER 154 - WATER CONSTRUCTION DETAILS EAST STROUDSBURG BOROUGH 24 ANALOMINK ST. EAST STROUDSBURG BOROUGH MONROE COUNTY, PA	AUTHORIZED USE: PERMITS	 A DIVISION OF  Civil Engineers • Environmental Engineers • Surveyors 112 North Courtland Street, East Stroudsburg, Pa. 18301 Telephone (570) 421-1550, Fax (570) 421-6720 Website: www.rkrhess.com Email: info@rkrhess.com © 2025 All rights reserved
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SCALE NTS	PROJECT NO. 10205.577			

SECTION 6 - Chapter 154 shall be amended to include an Appendix E - Chapter 154 Water Forms as follows; Appendix E - Chapter 154 Water Forms shall apply to all water utility construction, watermains, extensions, connections, service lines, laterals, appurtenances, repairs, and upgrades to the Borough's public water system.

APPENDIX E

CHAPTER 154 WATER FORMS

FORM - 1 – Application for Water Service

FORM - 2 – Backflow Prevention Assembly Test and Maintenance

**APPLICATION FOR WATER SERVICE
BOROUGH OF EAST STROUDSBURG
24 ANALOMINK STREET
EAST STROUDSBURG, PA 18301**

PHONE: 570-421-8300

Fax: 570-421-5575

www.eaststroudsburgboro.org

DATE _____

APPLICATION # _____

OWNER NAME

--

PROJECT/BUSINESS NAME

--

SERVICE ADDRESS

Street	Unit or Apartment #
City	

MAILING ADDRESS (If different from Service Address)

Street		
City	State	Zip Code

Please check box if contact information is the same as listed above.

If contact information is different please complete below.

Contact Name _____

Contact Telephone Number _____

Contact E-mail _____

Property Type

Domestic Residential _____ Single Family _____ Duplex _____
Apartment Complex _____ Condominium _____
Commercial _____ **Mixed Use** _____ **Fire** _____
Industrial _____ **Number of Units** _____ **Irrigation** _____

Usage

For any type of property use other than single family residential, anticipated daily usage is required.

Gallons Per Day (GPD) _____ EDUs* _____ Meter Size _____

3/27/2025

1

* A Water Equivalent Dwelling Unit (EDU) for Non-Residential Customers is equal to 157.3 gallons per day (GPD) of average water usage. EDUs are rounded to the nearest tenth.

Tapping Fees \$ _____
Connection Fees \$ _____
Late Fees \$ _____

Total Cost \$ _____
Deposit \$ _____
Balance Owed \$ _____

If extra work is required to initiate service not covered by the Application for Service Fee, it will be the owner's responsibility. In those cases the Owner agrees to pay the Borough of East Stroudsburg for the extra services or if necessary hire a private plumber to make necessary changes.

WATER SERVICE WILL NOT BE TURNED ON UNTIL ALL FEES ARE PAID IN FULL

Property Owner _____ Date _____
Or Authorized Representative Signature

In signing this application for service, the Property Owner agrees to abide by all Rules and Regulations of Chapter 154 – Water of the Borough Code in effect at the time the application is made, and by other such Rules and Regulations as may be promulgated from time to time by the Borough.

RETURN the signed form to Lee.Phillips@EastStroudsburgboro.org,
Layla.rau@eaststroudsburgboro.org, and admin@pa-codes.com.

For Office Use

Service Start Date _____ Account Number _____
Meter Size _____ Meter Manufacturer _____
Meter # _____ ERT # _____
Starting Reading Date _____ Reading Check Date _____
Reading _____ Reading _____
Meter Location _____ ERT Location _____
Account to be sequenced next to this property address _____
EDUs Established _____ Initial EBUs Established _____
Reviewed By _____

**BACKFLOW PREVENTION ASSEMBLY
TEST & MAINTENANCE FORM**

This form must be completed by a certified tester upon testing or maintenance of a backflow prevention assembly.

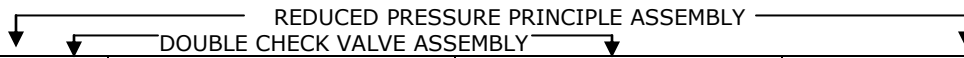
Send completed original form to:

Borough of East Stroudsburg
Attn: Public Works Director
24 Analomink Street
East Stroudsburg, PA 18301

I. General Information

COMPANY NAME		STREET ADDRESS		
CITY		STATE	ZIP CODE	
LOCATION OF ASSEMBLY		INSTALLATION DATE	TYPE (CIRCLE) RP DC	
MANUFACTURER	MODEL	SERIAL NO.	SIZE	(CIRCLE) FIRELINE DOMESTIC

II. Test & Repair Information



INITIAL TEST	<input type="checkbox"/> LEAKED <input type="checkbox"/> CLOSED TIGHT PRESSURE DROP ACROSS CHECK VALVE _____ PSID	<input type="checkbox"/> LEAKED <input type="checkbox"/> CLOSED TIGHT PRESSURE DROP ACROSS CHECK VALVE _____ PSID	<input type="checkbox"/> DID NOT OPEN <input type="checkbox"/> OPENED AT _____ PSID
	<input type="checkbox"/> ASSEMBLY PASSED <input type="checkbox"/> ASSEMBLY FAILED*		DATE _____
REPAIRS Give details of repairs made	<input type="checkbox"/> CLEANED REPLACED: <input type="checkbox"/> RUBBER PARTS KIT <input type="checkbox"/> CV ASSEMBLY <input type="checkbox"/> DISC <input type="checkbox"/> O-RINGS <input type="checkbox"/> SEAT <input type="checkbox"/> SPRING <input type="checkbox"/> STEM/GUIDE <input type="checkbox"/> RETAINER <input type="checkbox"/> LOCKNUTS OTHER:	<input type="checkbox"/> CLEANED REPLACED: <input type="checkbox"/> RUBBER PARTS KIT <input type="checkbox"/> CV ASSEMBLY <input type="checkbox"/> DISC <input type="checkbox"/> O-RINGS <input type="checkbox"/> SEAT <input type="checkbox"/> SPRING <input type="checkbox"/> STEM/GUIDE <input type="checkbox"/> RETAINER <input type="checkbox"/> LOCKNUTS OTHER:	<input type="checkbox"/> CLEANED REPLACED: <input type="checkbox"/> RUBBER PARTS KIT <input type="checkbox"/> RV ASSEMBLY <input type="checkbox"/> DISC <input type="checkbox"/> DIAPHRAGM <input type="checkbox"/> SEAT <input type="checkbox"/> SPRING <input type="checkbox"/> GUIDE <input type="checkbox"/> O-RINGS OTHER:
	<input type="checkbox"/> CLOSED TIGHT PRESSURE DROP ACROSS CHECK VALVE _____ PSID	<input type="checkbox"/> CLOSED TIGHT PRESSURE DROP ACROSS CHECK VALVE _____ PSID	OPENED AT _____ PSID
FINAL TEST Complete only if initial test fails & after successful repairs	<input type="checkbox"/> ASSEMBLY PASSED		DATE: _____
REMARKS	CONDITION OF NO. 2 CONTROL VALVE	VALVE TYPE	(CIRCLE) CLOSED TIGHT LEAKED
	OTHER NOTES:		

***NOTE: All repairs must be completed within thirty (30) days of initial test.**

III. APPROVALS

I hereby certify to the accuracy of the test results and the proper functioning of the tested assembly.

SIGNATURE OF TESTER	NAME OF TESTER (print)	TESTER NUMBER
NAME OF TESTER'S COMPANY	PHONE NUMBER	DATE
ACKNOWLEDGED BY PROPERTY OWNER(signature)	NAME OF OWNER (print)	DATE

SECTION 7 - SEVERABILITY. It is hereby declared to be the legislative intent that if a court of competent jurisdiction declares any provision of this Ordinance to be invalid or ineffective in whole or in part, the effect of such decision shall be limited to those provisions which are expressly stated in the decision to be invalid or ineffective, and all other provisions of this Ordinance shall continue to be separately and fully effective. The Borough Council hereby declares that it would have passed this Ordinance and each section or part thereof, other than any part declared invalid or ineffective, if it had advance knowledge that any part would be declared invalid or ineffective.

SECTION 8 - REPEALER. Any specific provisions of Chapter 154 – Water of the Borough Code the Borough of East Stroudsburg that are in direct conflict within this Ordinance are hereby repealed.

SECTION 9 – AUTHORITY. This Ordinance is enacted under the authority conferred by the Pennsylvania Borough Code, as amended.

SECTION 10 - EFFECTIVE DATE. This Ordinance shall be effective upon its approval as provided by law.

ORDAINED AND ENACTED into an ORDINANCE on this _____ day of _____, 2025.

BOROUGH OF EAST STROUDSBURG

BY: _____

Borough Council (Vice) President

ATTEST:

Borough (Assistant) Secretary

APPROVED BY:

Mayor Victor Brozusky

(SEAL)

DATE: _____

SECRETARY'S CERTIFICATE

I hereby certify that the foregoing is a true and correct copy of Ordinance No. 1415 adopted by a majority vote of the Borough Council of the Borough of East Stroudsburg at a meeting of the Borough of East Stroudsburg duly held on May 6, 2025. Present at the meeting were and a record of their vote was as follows:

	Present	Aye	Nay
Sonia Wolbert	_____	_____	_____
Erika Huber	_____	_____	_____
Edmund Freeborn	_____	_____	_____
Carrie Panepinto	_____	_____	_____
Jane Gagliardo	_____	_____	_____
Paul Shemansky	_____	_____	_____

Further be it certified that public notice of said meeting was given in the manner provided by law; that said Ordinance shall be duly recorded upon the Minutes of the Council and in the book of ordinances in accordance with law and further that Council has not amended or rescinded the Ordinance, and same is in full force and effect this 6th day of May, 2025.

(Assistant) Secretary

(SEAL)