

**SERVICE BOX EXTENSION**

SIZE NO.	INCREASES LENGTH-A	OVERALL LENGTH-B	WEIGHT
155	20	22.75	13.1
156	24	26.75	17.7

SIZE NO.	EXTENSION RANGE - A	TOP SECTION & COVER NO.	TOP SECTION & COVER WEIGHT	TOP SECTION & COVER DIM. B	BOTTOM SECTION NO.	BOTTOM SECTION WEIGHT	BOTTOM SECTION DIM. C	TOTAL WEIGHT
2	24" - 39"	9	19.6	18	2	14.1	23.0	32.7

**TOP SECTION, BOTTOM SECTION AND COVER**

NOTES:  
 1. SERVICE BOX SHALL BE BINGHAM & TAYLOR BUFFALO STYLE (3" OLD STYLE), No. 4930 OR APPROVED EQUAL.  
 2. DIMENSIONS IN INCHES; WEIGHT IN POUNDS.  
 3. LABELED "WATER" ON THE COVER.

**REVISIONS**

**PGH<sub>2</sub>O** Pittsburgh Water & Sewer Authority  
 The Pittsburgh Water and Sewer Authority  
 3" Curb Service Box  
 Scale: N.T.S. Supplemental Detail Drawing: WCB-1

**Water Line Trench And Bituminous Repaving**

NOTES:  
 1. All trench backfill material to be placed and mechanically compacted in 6" compacted layers.  
 2. Trench bedding may need to be modified in poor compaction areas.  
 3. Certain pipe materials and/or related trench materials may need to be substituted if contaminated soils are encountered.

**REVISIONS**

**PGH<sub>2</sub>O** Pittsburgh Water & Sewer Authority  
 The Pittsburgh Water and Sewer Authority  
 Water Line Trench And Bituminous Repaving  
 Scale: N.T.S. Supplemental Detail Drawing: WS-2

**Concrete Blocking For Pressure Pipe**

NOTES:  
 1. Concrete thrust blocking shall be provided at all tees, bends, caps, and plugs. In addition, all pipe bends shall be harnessed with mechanical joint retainer glands, using either set screw or lug type retaining system, as directed.  
 2. Concrete thrust blocks shall be minimum 4000 PSI cement concrete.  
 3. See detail WS-VB and WS-VBL for vertical bends requirements.

**REVISIONS**

**PGH<sub>2</sub>O** Pittsburgh Water & Sewer Authority  
 The Pittsburgh Water and Sewer Authority  
 Concrete Blocking For Pressure Pipe  
 Scale: N.T.S. Supplemental Detail Drawing: WS-3

**THE PITTSBURGH WATER & SEWER AUTHORITY**

- APPROVAL FOR:**
- NEW WATER TAP, BACKFLOW PREVENTOR, AND METER INSTALLATION
  - NEW SANITARY AND/OR STORM SEWER TAP INCREASE IN FLOW AT EXISTING SEWER AND/OR WATER CONNECTION
  - SEWER TAP TERMINATION
  - WATER TAP TERMINATION
  - EXTENDED FACILITIES
  - RELOCATION OF FACILITIES

**\* DISCLAIMER**  
 Signatures / Approval by PWSA are for the physical connection(s) to the water and/or sewer system only.  
 Responsibility for the design and work depicted by the drawings, including the flow design for the facilities, is by the project Professional Engineer shown by the seal and signature affixed to the drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design demands.

PWSA Project Reviewer certifies that he/she has reviewed the above noted document(s) in accordance with the Authority's established rules and regulations. Based on this review, approval is hereby recommended.

Project Coordinator / Project Management Engineer / Reviewer \_\_\_\_\_ Date \_\_\_\_\_  
 Chief of Operations \_\_\_\_\_ Date \_\_\_\_\_  
 Director of Engineering and Construction \_\_\_\_\_ Date \_\_\_\_\_

PARCEL ACREAGE: 0.33 ac  
 LOT AND BLOCK NOS: 25-N-40  
 EXISTING COLLECTION SYSTEM: 24th ST./SPRUCE WAY  
 INTERCEPTOR NAME: 24th ST.  
 TREATMENT FACILITY: ALCOSAN

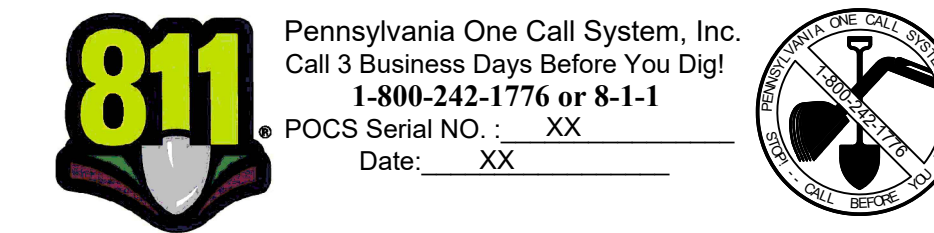
PITTSBURGH DISTILLING COMPANY

WATER LINE REPLACEMENT  
 2401 SMALLMAN STREET  
 PITTSBURGH, PA 15222

SCALE: AS NOTED SHEET \_\_\_\_\_ ACCESSION NO. \_\_\_\_\_

DATE: MAY 4, 2020 2 OF 3 CASE NO. \_\_\_\_\_

DRAWN BY: TPM/GJA CHECKED BY: JDH



CONTRACTORS ARE REQUIRED TO NOTIFY THE FACILITY OWNERS NOT LESS THAN THREE (3) NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK WHEN USING POWERED EQUIPMENT ON PUBLIC OR PRIVATE PROPERTY ANYWHERE IN THE COMMONWEALTH. CONTRACTORS ARE RESPONSIBLE FOR PRESERVING THE FACILITY OWNER MARKINGS, TO EXERCISE DUE CARE AND EMPLOY PRUDENT TECHNIQUES WITHIN THE TOLERANCE ZONE. CONTRACTORS SHOULD KEEP EACH OPERATOR AT THE SITE INFORMED AND EVALUATE THE PREMISES IF NECESSARY. NOTIFICATION SHOULD BE MADE THROUGH THE PENNSYLVANIA ONE-CALL SYSTEM (1-800-242-1776 or 8-1-1).

NOTES:  
 1. LOCATION OF UNDERGROUND UTILITIES ARE NOT SHOWN AND / OR ARE UNKNOWN. CONTRACTOR TO MAKE PA - 1 CALL IN ACCORDANCE WITH PA ACT 287 OF 1974 AS AMENDED BY ACT 121 OF 2008 73 P.S. SEC. 176 et. seq. PRIOR TO ANY EXCAVATION.

2. CONTRACTOR TO AVOID DAMAGE TO ALL UTILITIES. REPAIR CONSTRUCTION RELATED DAMAGE TO THE SATISFACTION OF THE UTILITY OWNER AT NO ADDITIONAL COST.

**Domestic Service Internal Meter Setting Commercial And Multi-Family**

NOTES:  
 1. METER TO BE INSTALLED IN A WARM, NON-FREEZING, ACCESSIBLE AREA WITHIN DWELLING, A MINIMUM OF 2" FROM FLOOR AND A MAXIMUM OF 3' FROM POINT OF ENTRY AND/OR FROM INSIDE WALL.  
 2. SEE ACHD PLUMBING CODE FOR ADDITIONAL PIPING AND PRESSURE REGULATOR REQUIREMENTS.  
 3. PROPER METER ACCESS REQUIRED. METER SETTING CAN NOT BE IN A RESTRICTED AREA (e.g. UNDER STEPS, BEHIND FURNACE OR HOT WATER TANK), OR IN OTHER OBSTRUCTED AREAS IN ANY WAY.  
 4. METER SETTING VALUES:  

SIZE	COUPLING SPACE A	METER TAIL-PIECE	FLOW (GPM)
5/8"	12.5"	1/2"	20
5/8x3/4"	12.5"	3/4"	20
3/4"	14.25"	3/4"	30
1"	16.5"	1"	50

  
 5. THE METER AND MXU SHALL BE PURCHASED FROM AND INSTALLED BY PWSA.  
 6. METER ASSEMBLY SETTINGS MUST BE INSTALLED BY THE CUSTOMER BEFORE THE METER WILL BE SET, INCLUDING METER SIGNAL WIRING.  
 7. CUSTOMER SHALL PROVIDE PROPER DRAIN AT METER SETTING LOCATION.  
 8. METER MUST BE INSTALLED IN A HORIZONTAL POSITION ONLY.  
 9. CUSTOMER TO PROVIDE DATA FOR PROPER PWSA SIZING AND PEAK DOMESTIC DEMAND.

**REVISIONS**

**PGH<sub>2</sub>O** Pittsburgh Water & Sewer Authority  
 The Pittsburgh Water and Sewer Authority  
 Domestic Service Internal Meter Setting Commercial And Multi-Family  
 Scale: N.T.S. Supplemental Detail Drawing: WS-SCDI

**Water Service Line 2" Domestic / Fire New Installation**

NOTES:  
 1. ALL FITTINGS SHALL HAVE THRUST BLOCKS (SEE DETAIL WS-3).  
 2. STANDARD GATE BOX LID; TWO NOTCH OPENINGS REQUIRED. DIAMETER TO MATCH BOX.  
 3. GATE BOX EXTENSION: GATE BOX EXTENSION RINGS ARE NOT TO BE USED IN NEW WORK.  
 4. MEG BOX MATERIAL SHALL BE CAST IRON.  
 5. IF MEG BOX IS LOCATED IN AN UNIMPROVED AREA, THEN A 30"x30"x 8" CONCRETE PAD APRON CENTERED AROUND THE MEG BOX IS REQUIRED.  
 6. ALL VALVES MUST BE "RIGHT TURN TO OPEN".  
 7. PRIVATE SERVICE LINE MATERIAL AND EQUIPMENT SHALL CONFORM TO ALLEGHENY COUNTY PLUMBING CODE, ARTICLE XV.  
 8. ONLY ONE PWSA METER WILL BE INSTALLED PER EACH SERVICE TAP.  
 9. MAIN LINE SHUT REQUIRED AND MUST BE COORDINATED AT THE PWSA PERMITS COUNTER.

**REVISIONS**

**PGH<sub>2</sub>O** Pittsburgh Water & Sewer Authority  
 The Pittsburgh Water and Sewer Authority  
 Water Service Line 2" Domestic / Fire New Installation  
 Scale: N.T.S. Supplemental Detail Drawing: WS-5NT2

