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- Technical drawing showing the installation of a water meter. The drawing includes a side view (top) and a top view (bottom).
- Side View Labels:**
- VARIES
  - RIGHT-OF-WAY EASEMENT LINE
  - PRIVATE PROPERTY
  - WATER MAIN
  - SADDLE & STOP
  - 1" SERVICE
  - LOCKABLE SHUTOFF
  - DUAL CHECK VALVE
  - METER SETTER & BOX TO SET AT FINAL GRADE OF
  - FINAL GRADE
  - METER BY PARTICIPATING UTILITY
  - 6" STONE VDOT 57
  - 3'-0"
  - 30°-45°
  - 1" SERVICE
  - 1" CORPORATION STOP WITH CTS COMPRESSION CONNECTION SEE NOTE #4
  - TRACER WIRE SEE GENERAL DETAIL
- Top View Labels:**
- 18" DIA.
  - 12'-18"
  - 3/4" Ø x 6' TO BE CAL MARKED STAKED
  - 15'
  - 2'-0"
  - 15'

W-

09/07/17

- TRAFFIC BEARING LOCATION**

TRAFFIC BEARING VAULT AND H-20 RATED HATCH SHALL BE SIZED IN ACCORDANCE WITH DIMENSIONAL REQUIREMENTS SHOWN BELOW.

ANGLE DUAL CHECK VALVE  
BRONZE DISK METER  
LOCKABLE SHUTOFF  
6" TYP.  
3'-0"  
2'-6"  
3'-0"  
2'-6"  
SEE NOTE 5  
HATCH SHALL BE BILCO MODEL J-3ALH20 (30"X26") OR APPROVED EQUAL  
SEE NOTES 2 & 3

**NON TRAFFIC BEARING LOCATION**

**SIZING CHART LID**

METER BOX DIA	LID DIA SIZE (MIN.)	DIA (MIN.)	COVER & LID MODEL (OR APPROVED EQUAL)
5/8"	18"	11 1/2"	FORD "A" SERIES FRAME & NICO DOMESTIC 12.25 CxLID WITH SENSUS RECESS AND WYWA LOGO
3/4"-1"	24"	20"	FORD MC-24-T OR AT MC DONALD 74M24 T
1 1/2"-2"	30"	20"	FORD MC-30-T OR AT MC DONALD 74M30 T

BRONZE DISK METER  
LOCKABLE SHUTOFF  
6" TYP.  
3'-0"  
2'-6"  
3'-0"  
2'-6"  
SEE NOTE 5  
HATCH SHALL BE BILCO MODEL J-3ALH20 (30"X26") OR APPROVED EQUAL  
SEE NOTES 2 & 3  
ANGLE DUAL CHECK VALVE

**FINAL GRADE**

3'-0"  
22" MIN.  
6" MIN.  
SEE NOTE 6  
MIN. 6" STONE VDOT 57  
TRACER & GROUND WIRES

**FINAL GRADE**

3'-0"  
22" MIN.  
6" MIN.  
SEE NOTE 6  
MIN. 6" STONE VDOT 57  
TRACER & GROUND WIRES SEE GENERAL

## W-

09/07/17

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- STAINLESS STEEL SCREEN  
WAGER MODEL 1000FA  
(NO COLOR COATING)  
OR APPROVED EQUAL  
-INSTALL APPROVED  
EROSION PROTECTION AT  
DISCHARGE
- DUCTILE IRON  
MU 90° BEND
- EPOXY COATED STEEL  
PIPE SUPPORTS WITH  
STAINLESS STEEL ANCHORS  
(TYP.) OF 2
- 4" BLOCKOUT FOR  
DRAIN (TYP. OF 4)
- IRON 90° BENDS
- 2'-0" MIN. ABOVE GROUND
- 8" MIN.  
6" MIN.
- 4'-11"
- 8'-0"
- 6" MIN.
- OUTLET
- SMOOTH HOLE WITH  
LINK SEAL (TYP.) OF 3
- 12'-6"
- FL X FL REDUCING TEE  
PRV (SEE NOTE 6)
- 12" Min.
- 6" MIN.
- FL X FL GATE VALVE  
WITH HANDWHEEL  
(SEE NOTE 5)
- 2" LOW FLOW  
BYPASS  
TYPE K COPPER
- 16" Min.
- NPT GATE VALVE
- 18" Min.
- PRV NOTE 3
- 12" Min.
- TURBO METER
- 16" Min.
- FL X FL GATE VALVE  
WITH HANDWHEEL
- MAIN LINE PRV (SEE NOTE 4)
- TURBO METER  
(SENSUS OMNI TM)  
OR APPROVED EQUAL
- 72" x 48" DOUBLE DOOR  
GUTTER-FRAME  
H20 RATED ACCESS HATCH
- FL X FL GATE VALVE  
WITH HANDWHEEL
- NPT GATE VALVE
- 4" BLOCKOUT FOR  
DRAIN (TYP. OF 4)

## 1/20

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**S**

08/01/15

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**S-1**

01/01/14

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- Technical drawing of a gasket assembly. The main view is a cross-section showing a flange with an outer diameter of 26 inches and a central hole of 22 13/16 inches. The flange thickness is 1 1/2 inches. A gasket is seated in a groove with a depth of 3/16 inch. The gasket has an outer diameter of 25 inches and a thickness of 1/4 inch. A detail view shows the 1/4 inch diameter neoprene gasket seated in the groove.

01/

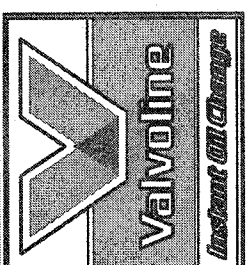
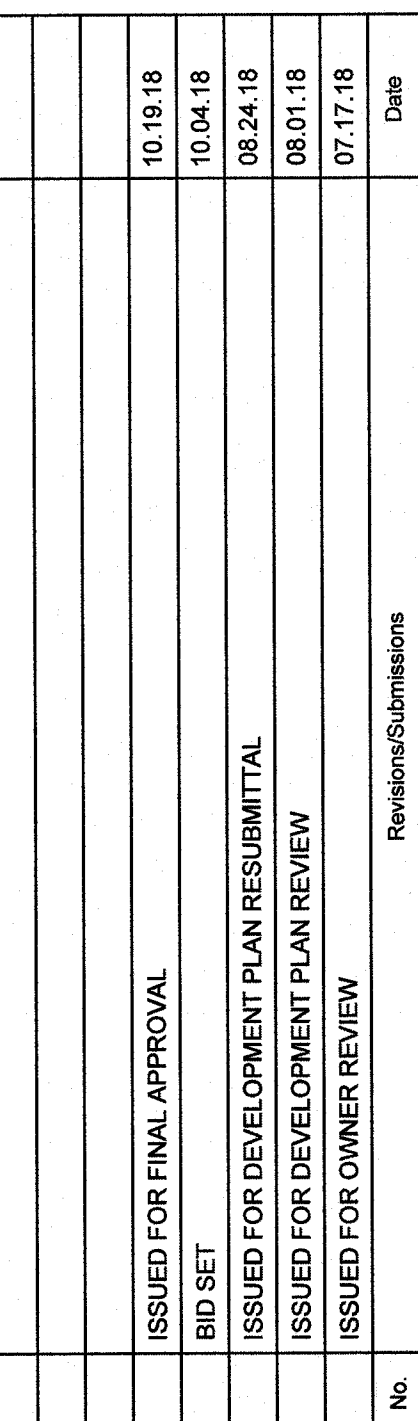
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**TYPICAL WATER MAIN & SERVICE TRENCH SECTION**  
NOT TO SCALE

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- EDGE OF TRENCH
- TRENCH WIDTH  
O.D. + 2'-0" MIN.
- SUITABLE BACK FILL TYPE GW, GP, SW, SP PER UNIFIED SOIL CLASSIFICATION SYSTEM OR AS APPROVED BY SITE ENGINEER COMPACTED TO 85% MAX. DRY DENSITY IN LIFTS (8" TYPICAL) PER ASTM D1557 (MODIFIED PROCTOR TEST)
- 6"
- I.D.
- 1'-0" MIN. IN ROCK
- 6"
- 1'-0"
- O.D.
- 1'-0"
- 3/4" CRUSHED STONE
- INSTALL CLAY DAM WATER STOP 2' (MIN.) THICKNESS AT 50° C-C IF DIRECTED BY ENGINEER
- BOTTOM OF TRENCH
- SPECIAL FOUNDATION IF ORDERED BY ENGINEER - 3/4" CRUSHED STONE TO BE INSTALLED TO DEPTH DETERMINED BY GEOTECHNICAL ENGINEER IN PEAT AND UNSUITABLE SOIL AREAS

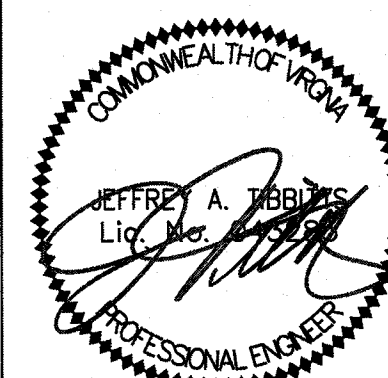
NOT TO SCALE

☒ APPROVED



VALVOLINE INSTANT OIL CHANGE  
4025 CHALLENGER AVE. NE  
ROANOKE, VA

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Scale	AS NOTED
Drawn	JJL
Checked	EJB
Date	07/17/18
Revision Title	

## Drawing No.

## C6.1