



WASHINGTON WATER SERVICE COMPANY

May 24, 2022

Amanda Maxwell, Executive Director & Secretary  
Washington Utilities and Transportation Commission  
PO Box 47250  
Olympia, WA 98504-7250

Dear Ms. Maxwell;

Enclosed is a copy of the contract between the Peninsula School District and Washington Water Service Company (WWSC) to extend the current water main line to provide fire flow rate of 1,500 gallons per minute for 120 minutes to serve the parcel #0121241012 on 40<sup>th</sup> Street NW. This site is in Pierce County, which is serviced by Artondale Water System, DOH ID# 03160V. This agreement has been signed by Art Jarvis and countersigned by Matthew D. Brown, the General Manager of WWSC.

Estimated costs identified on attachment "A" are \$259,900.00. To this, a half payment of \$129,950.00 has been received for the total projected engineering costs, as attached.

A vicinity map showing the location of the lot is included with this filing. Please do not hesitate to call me at 253-851-4060 Ext. 71103, if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Thu Hoang". The signature is written in a cursive style with a long horizontal flourish at the end.

Thu Hoang  
Accounting Analyst



## WASHINGTON WATER SERVICE

14519 Peacock Hill Avenue • P.O. Box 336  
Gig Harbor, WA 98335 *Tel:* (877) 408-4060

August 24, 2020

Peninsula School District  
Attn: Dr. Art Jarvis  
14015 62<sup>nd</sup> Avenue NW  
Gig Harbor, WA 98332

Re: Artondale Water System, DOH ID# 03160V, Pierce County  
Water Main Extension Agreement for 6219 40<sup>th</sup> StNw  
Parcel No. 0121241012

Dear Dr. Jarvis:

This Water Main Extension Agreement (the "Agreement") is between Washington Water Service Company (the "Washington Water") and the Peninsula School District (the "Owner") to extend the current watermain line to provide fire flow rate of 1,500 gallons per minute (gpm) for 120 minutes to serve the parcel referenced above.

This Agreement sets forth the terms and conditions as well as our engineers projected costs, enclosed as "Attachment A" to extend the watermain on 40<sup>th</sup> Street Nw approximately 1,100 feet, tie-in to the distribution system, bacteriologic sampling, engineering inspections, to be \$259,900. The final amount billed for completing this project is based on actual costs for engineering, materials, labor and other variables needed to complete the project, this amount may vary from the projected costs provided due to unforeseen issues during the installation of the extended water main and other facilities that are beyond the control of Washington Water.

The improvements stated herein qualify as Contributed In Aid of Construction (CIAC). Pursuant to Section 118(b) of the Tax Cuts and Job Act of 2017, federal tax laws require CIAC funds to be federally taxed ensuring that the expansion of water service to new customers does not unfairly burden a utility's existing customers. Applicants should consult their tax advisors concerning the application of tax laws to their particular situations.

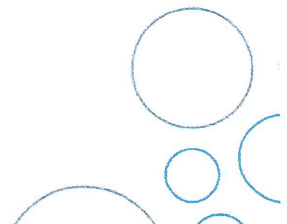
### Terms & Conditions

The projected costs are for engineering, construction materials and labor only, unless otherwise specified in Attachment A. Upon execution of this Agreement and prior to commencement of construction, Washington Water requires a deposit payment of 50% of the total projected costs to complete the watermain extension to provide adequate fire flow to your parcel. All past due accounts will be charged 1.5% per month (18% per annum). The projected costs submitted in this Agreement is provided as preliminary information only and the figures and information contained herein are subject to the execution of this Agreement within 30-business days of the date the Agreement was issued.

Terms and conditions of this Agreement are subject to the review and approval of the Washington State Utilities and Transportation Commission (the "Commission"). Upon execution of this Agreement, Washington Water will

*Quality. Service. Value.*

[wawater.com](http://wawater.com)



submit the Agreement to the Commission for their approval. Upon the Commission's approval, plans will be prepared, and if required, submitted to the Washington State Department of Health for their approval. Once all necessary approvals have been obtained and the required deposit received, Washington Water will schedule and cause construction to commence.

Once construction has been completed, a Certificate of Completion signed by a licensed engineer and all approvals received.

Washington Water will not issue any Certificate(s) of Water Availability until the extended watermain has been installed, pressure tested and certified complete by a licensed engineer, bacteriological samples taken and tested with satisfactory results. Prior to commencement of water service, Washington Water requires all remaining amounts and service connection charges be paid in full.

Neither this Agreement nor any of the rights, interests or obligations under this Agreement may be assigned or delegated, in whole or in part, by operation of law, or otherwise, by Owner without the prior written consent of Washington Water, and any such assignment without such prior written consent shall be invalid. Nothing expressed or referred to in this Agreement will be construed to give any person other than the parties to this Agreement any legal or equitable right, remedy, or claim under or with respect to this Agreement or any provision of this Agreement. This Agreement and all of its provisions and conditions are for the sole and exclusive benefit of the parties to this Agreement and their successors and assigns.

Upon execution of this Agreement, the Owner has 180-business days to coordinate with Washington Water for the engineering and construction to complete this project. This Agreement shall automatically become invalid unless the work authorized in this Agreement has commenced within 180-business days after execution. Once this Agreement has become invalid, the project will be closed and all project work will cease; a refund check will be issued to the Owner for deposits or pre-paid amounts received by Washington Water minus any billable work completed and non-refundable fees.

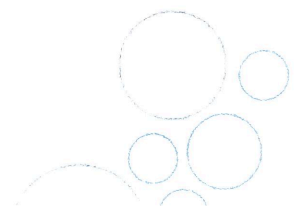
I agree to have Washington Water complete this installation under the conditions listed below:

(Initial)

- Remit a deposit payment of \$129,950 (50% of the projected cost of \$259,900) for engineering and construction labor, materials, and county permits provided by Washington Water, as outlined in Attachment A.
- Time required to complete this project may vary due to the size of the project, projects already scheduled and emergencies that may require our construction crew to leave the project site.

#### BEFORE CONSTRUCTION BEGINS:

- The signed Agreement and the required payment must be received by Washington Water before any work will be scheduled, including the purchasing of materials
- Schedule a pre-con meeting with the Construction Superintendent.
- Review detailed plans and specifications with Washington Water's Construction Superintendent or Construction Foreman. Any changes/modifications to the plan set provided, must be approved by Washington Water's Engineering Department prior to installation.
- Provide names of any contractor(s) that may be working on-site.
- If required, Washington Water will be responsible for obtaining all necessary regulatory agency approvals, county/state permits and schedule with outside contractors.





DURING CONSTRUCTION:

- Review status of project with Washington Water’s Construction Superintendent.
- Coordinate inspections with Washington Water (either our Construction or Engineering Department)

BEFORE TIE-IN/ACTIVATION OF NEW FACILITIES:

- Once construction is completed, Washington Water will be responsible for pressure testing installed facilities
- Washington Water will be responsible for fire flow testing and county submittal.
- Before service is activated, a backflow assembly (Double Check Valve-DCVA/Reduced Pressure Backflow-RPBA/Pressure Vacuum Breaker-PVB) is required whenever there is a possibility of a cross connection between the public water system and a non-portable water source. Examples include, but are not limited to, irrigation systems, fire sprinkler systems or other water-using equipment. The backflow assembly device must be installed on the customer side of the meter; a licensed plumber can install this device. Annual testing and repair of the device is the responsibility of the parcel owner.
- Bacteriological samples taken, tested and results received from the testing facility. The results from the samples taken are required to meet all Washington State Department of Health Drinking Water Regulations and Standards. Unsatisfactory results will delay the activation of the new facilities.
- Final payment for the work completed as outlined in this Agreement has been received, and any remaining amounts due be paid in full

If the terms of this letter are acceptable, please initial that you agree to have Washington Water complete the main extension project and then sign the letter below. Return both this letter and the agreed payment for the main extension and installation of any other facilities listed in this Agreement to our Gig Harbor Office at 14519 Peacock Hill Avenue NW, Gig Harbor, WA 98335 (Mailing Address: PO Box 336, Gig Harbor, WA 98332). If you have any questions, please give me a call directly in Gig Harbor at (253) 851-4060 or toll free at (877) 408-4060.

Sincerely,

By:



Matthew D. Brown, P.E.  
General Manager

Accepted

By:



Printed Name

253-530-1000

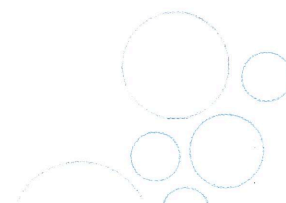
Phone:

9/18/2020

Date Accepted

Enclosure(s)

- cc: Kanosi Chakweva, Accounting Manager  
 Eric Williams, Construction Superintendent  
 Sarah Castro, Interim Customer Service Manager  
 John Puccinelli, Engineering Manager  
 Bob Blackman, Operations Manager  
 File1: Artondale Water System  
 File2: EngFile# 0012xxx







PENINSULA SCHOOL DISTRICT 401  
 14015 62ND AVE NW  
 GIG HARBOR, WA 98332  
 253-530-1000

CAPITAL PROJECTS FUND

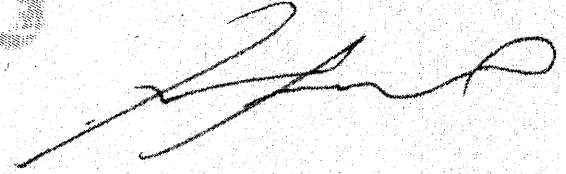
7385

Check Date 09/30/2020  
 Check Amount \$129,950.00

Pay \*\*One Hundred Twenty-Nine Thousand Nine Hundred Fifty Dollars & 00 Cents

CAP.FUND

To the Order Of: WA WATER SVR CO INC  
 PO BOX 35134  
 SEATTLE, WA 98124-5134



RUB RED IMAGE

DISAPPEAR WITH HEAT

PENINSULA SCHOOL DISTRICT 401

Vendor Key	Vendor Name	Check Date	Check Number	Check Total
WA WATER000	WA WATER SVR CO INC	09/30/2020	7385	\$129,950.00

Invoice Number	Invoice Description	PO Number	Invoice Date	Gross Amt	Discount Amt	Adjustment Amt	Net Amt
ARTONDALE ES	WA WATER FIRE FLOW AGREEMENT	2002000010	09/23/2020	129,950.00	0.00	0.00	129,950.00
<b>Totals</b>				\$129,950.00	\$0.00	\$0.00	\$129,950.00

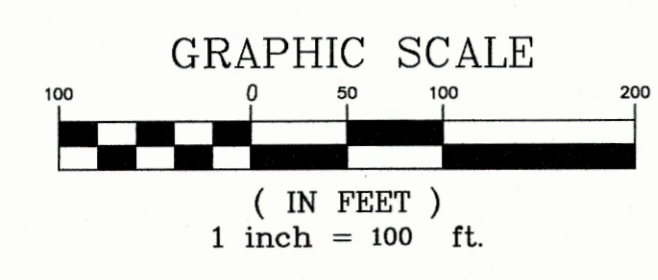
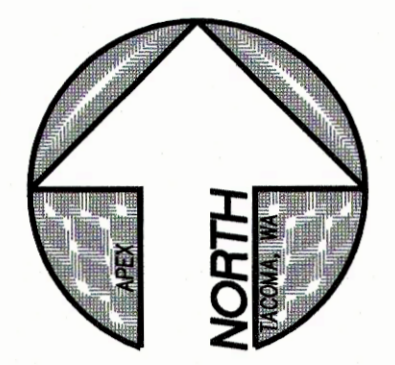
Account Number: MINTER 2462-0



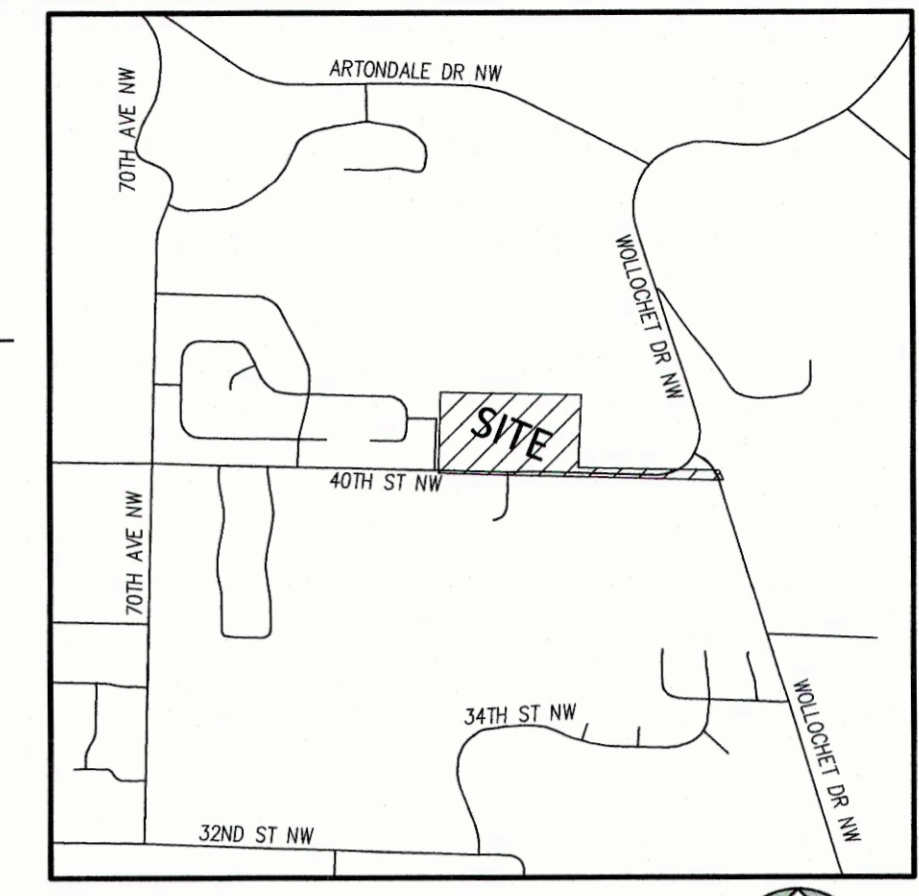
# RAINIER VIEW WATER COMPANY

## ARTONDALE ELEMENTARY SCHOOL/40TH ST NW - WATER MAIN EXTENSION - COVER

A PORTION OF SEC. 24, TWP. 21 N., RGE 1 E., W.M.  
PIERCE COUNTY, WASHINGTON



DESIGN APPROVAL, DATE \_\_\_\_\_  
RAINIER VIEW WATER COMPANY  
FIRE FLOW DESIGN = 1,500 GPM. FOR 2 HRS.



**VICINITY MAP**  
SCALE: 1"=1/4 MILE

**GENERAL NOTES:**

1. CONSTRUCTION METHODS FOR PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH DIVISIONS 7 AND 9 OF THE LATEST EDITION OF THE STANDARD PLANS AND STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/APWA) EXCEPT ALL REFERENCES TO ENGINEER SHALL BE CHANGED TO OWNER.
2. PIPE MATERIAL SHALL BE CLASS 52 DUCTILE IRON PIPE.
3. BLOW-OFF ASSEMBLIES SHALL BE INSTALLED WHERE SHOWN ON THE PLANS.
4. AIR RELEASE VACUUM VALVES SHALL BE INSTALLED WHERE SHOWN ON THE PLANS AND ALL SYSTEM HIGH POINTS.
5. SAMPLING STATIONS SHALL BE INSTALLED APPROXIMATELY WHERE SHOWN ON THE PLANS OR ADDED PER RAINIER VIEW DIRECTION. FINAL LOCATION(S) TO BE DETERMINED IN THE FIELD BY RAINIER VIEW.
6. PIPE SHALL HAVE A MINIMUM OF 36 INCHES OF COVER. EXACT DEPTH OF PIPE SHALL BE DETERMINED IN THE FIELD TO GENERALLY CONFORM TO TOPOGRAPHY. PIPE SHALL MAINTAIN POSITIVE SLOPE BETWEEN BLOW-OFFS AND AIR RELEASE VALVES.
7. PRESSURE TESTING AND DISINFECTION SHALL BE IN ACCORDANCE WITH DIVISION 7 OF THE ABOVE REFERENCED SPECIFICATION.
8. SOME UTILITIES SHOWN ARE BASED UPON AS-BUILT PLANS, THE LOCATIONS ARE APPROXIMATE ONLY. NOT ALL EXISTING UTILITIES AND SERVICES HAVE BEEN LOCATED OR SHOWN. THE CONTRACTOR SHALL LOCATE OR HAVE LOCATED ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. THE ONE-CALL NUMBER IS 1-800-424-5555. NOT ALL UTILITY OWNERS OR OPERATORS SUBSCRIBE TO THE ONE-CALL SERVICE.
9. EASEMENTS, FRANCHISES AND PERMITS SHALL BE OBTAINED FOR ALL WATER LINE CONSTRUCTION. MINIMUM EASEMENT WIDTHS SHOULD BE 15 FEET.
10. THE OWNER, HIS REPRESENTATIVE, OR THE CONTRACTOR SHALL BE REQUIRED TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE FOR ALL WATER CONSTRUCTION SHOWN ON THESE PLANS. THE CONFERENCE SHOULD BE SCHEDULED BY CALLING (253) 537-6634 TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.

**RAINIER VIEW WATER COMPANY NOTES:**

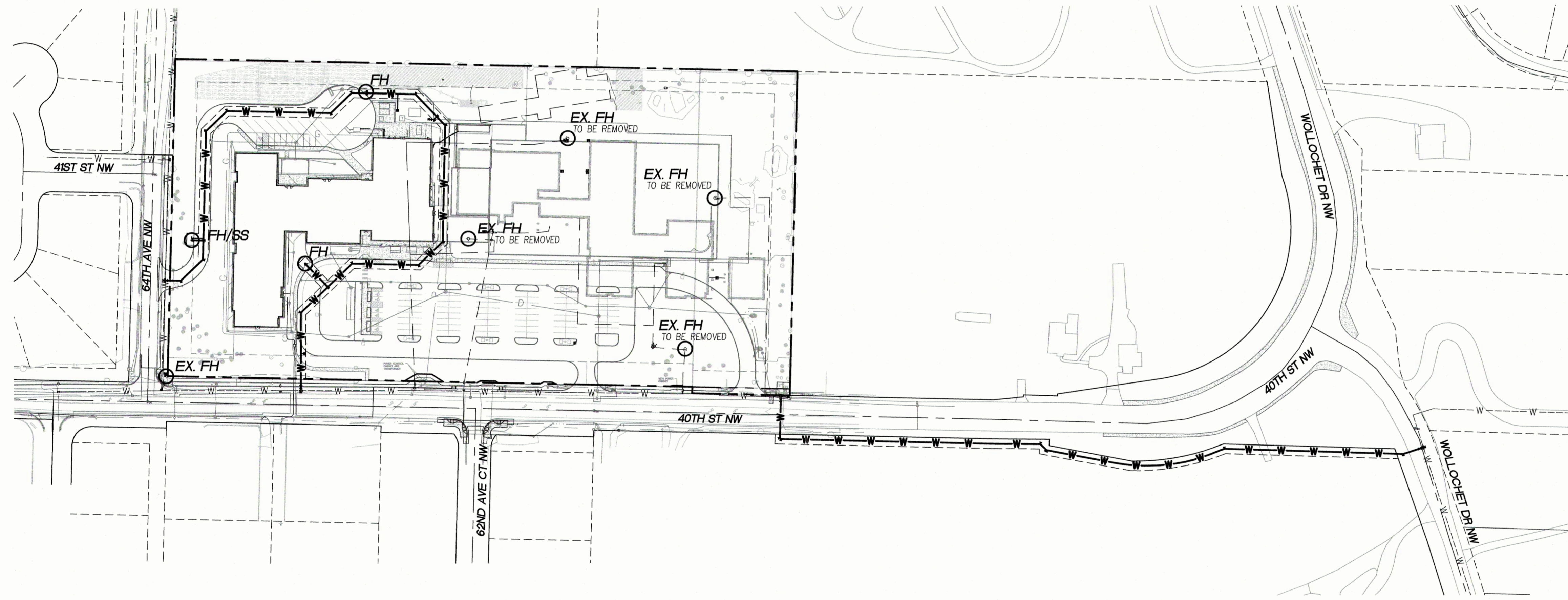
1. ANY REQUIRED SPECIFICATIONS NOT INDICATED WILL FOLLOW MOST CURRENT "STANDARD SPECIFICATIONS FOR RAINIER VIEW WATER COMPANY" AND AWWA STANDARDS.
2. ALL PIPING TO BE BEDDED 4" MINIMUM UNDER PIPE AND 6" MINIMUM OVER PIPE. BEDDING UNDER PIPE TO BE PLACED IN TRENCH PRIOR TO INSTALLING WATER MAIN.
3. USE 14 GAUGE LOCATE (TRACER) WIRE, ATTACHED TO WATER MAIN AND ALL FACILITIES. LOOP TO TOP OF ALL VALVE BOXES AND BLOW OFF VAULTS.
4. DETECTION TAPE TO BE 18" TO 24" BELOW FINISH GRADE. RUN DETECTION TAPE OVER MAINS AND SERVICE LINES.
5. ALL VALVE RISERS TO BE CAST IRON.
6. ALL FIRE HYDRANTS TO BE "IOWA", "M & H", OR "MUELLER CENTURION" TYPE ONLY. ALL HYDRANTS TO BE EQUIPPED WITH 5" STORZ ADAPTORS.
7. ALL HYDRANTS TO BE SECURED WITH SHACKLE (TIE) RODS OR MEGA-LUG CONSTRUCTION.
8. ALL BLOW-OFFS, AIR RELEASE/VACUUM VALVES, AND SAMPLING STATIONS TO MEET RAINIER VIEW WATER COMPANY APPROVAL PRIOR TO INSTALLATION.
9. ALL BLOW-OFFS TO BE INSTALLED WITHIN CONCRETE BLOW-OFF/METER BOX, SET TO FINISH GRADE AND MEETING HS-20 LOADING STANDARDS.
10. ALL BENDS, CAPS, TEES, WYES AND FITTINGS TO BE THRUST BLOCKED.

**NOTE:**

THE LOCATIONS OF THE WATER METERS SHOWN ARE APPROXIMATE ONLY. METERS SHALL TYPICALLY BE LOCATED WITHIN R.O.W. OR UTILITY EASEMENT AT PROPERTY LINES. METER LOCATIONS IN QUESTION SHALL BE DETERMINED BY THE RWVC FIELD SUPERVISOR. MAINTAIN MINIMUM REQUIRED SEPARATION BETWEEN WATER MAINS/SERVICE LINES, AND SANITARY SEWER MAIN LINES AND STUBS.

SOME EXISTING UTILITIES SHOWN ARE BASED UPON AS-BUILT PLANS, THE LOCATIONS ARE APPROXIMATE ONLY. NOT ALL EXISTING UTILITIES AND SERVICES HAVE BEEN LOCATED OR SHOWN. THE CONTRACTOR SHALL LOCATE OR HAVE LOCATED ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

THE BOUNDARY AND SITE LAYOUT INFORMATION SHOWN HEREON WAS TAKEN FROM THE CIVIL SITE PLAN PROVIDED BY AHBL DESIGN RECEIVED 11/26/19.



**NOTES:**

1. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE NEW WATER LINE WHILE EXISTING LINES REMAIN ACTIVE THROUGH CONSTRUCTION.
2. EXISTING PUBLIC WATER LINE AND APPURTENANCES TO BE REMOVED ONCE CONSTRUCTION OF NEW BUILDING IS COMPLETE.

**SHEET INDEX**

- SHEET 1 COVER SHEET
- SHEET 2 ARTONDALE ELEMENTARY SCHOOL
- SHEET 3 40TH STREET NW
- SHEET 4 NOTES AND DETAILS

**LEGEND:**

- FIRE HYDRANT
- WATER METER
- BLOW-OFF VALVE
- GATE VALVE
- DETECTOR CHECK VALVE
- REDUCER
- AIR VACUUM RELEASE VALVE
- SAMPLING STATION
- TAPPING TEE
- PROPOSED WATER LINE
- PROPOSED FIRE LINE
- W- -W- EXIST WATER LINE
- W- -W- EXIST WATER LINE TO BE REMOVED

REV NO	REVISION DESCRIPTION	DATE BY

**Apex Engineering**  
2601 South 35th, Suite 200  
Tacoma, Washington 98403-0598  
(253) 473-4484 FAX: (253) 473-0598

**TITLE** RAINIER VIEW WATER COMPANY  
ARTONDALE ELEMENTARY SCHOOL/40TH ST NW  
WATER MAIN EXTENSION  
COVER

**CLIENT** RAINIER VIEW WATER COMPANY  
P.O. BOX 44427  
TACOMA, WA 98448-0427  
ATTN: MR. BOB BLACKMAN (253)537-6634

**DATE SEALED** 09/03/2020



**PROJECT MANAGER**  
KIM A SAVAGE, P.E.

**DESIGN** FB  
**DRAWN** FB  
**CHECKED** KS

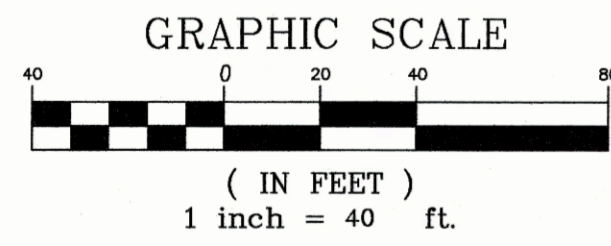
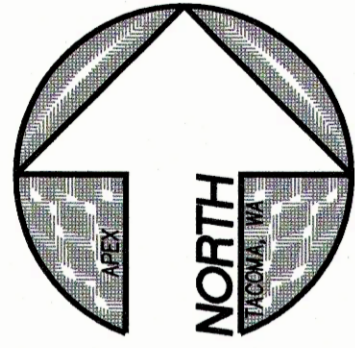
SEC 24 T 21 N R 1 E  
FILE NO 34994WAWRK.DWG  
DATE 01/15/20  
SCALE 1"=100'

**SHEET 1 OF 4**  
FILE NO 34994

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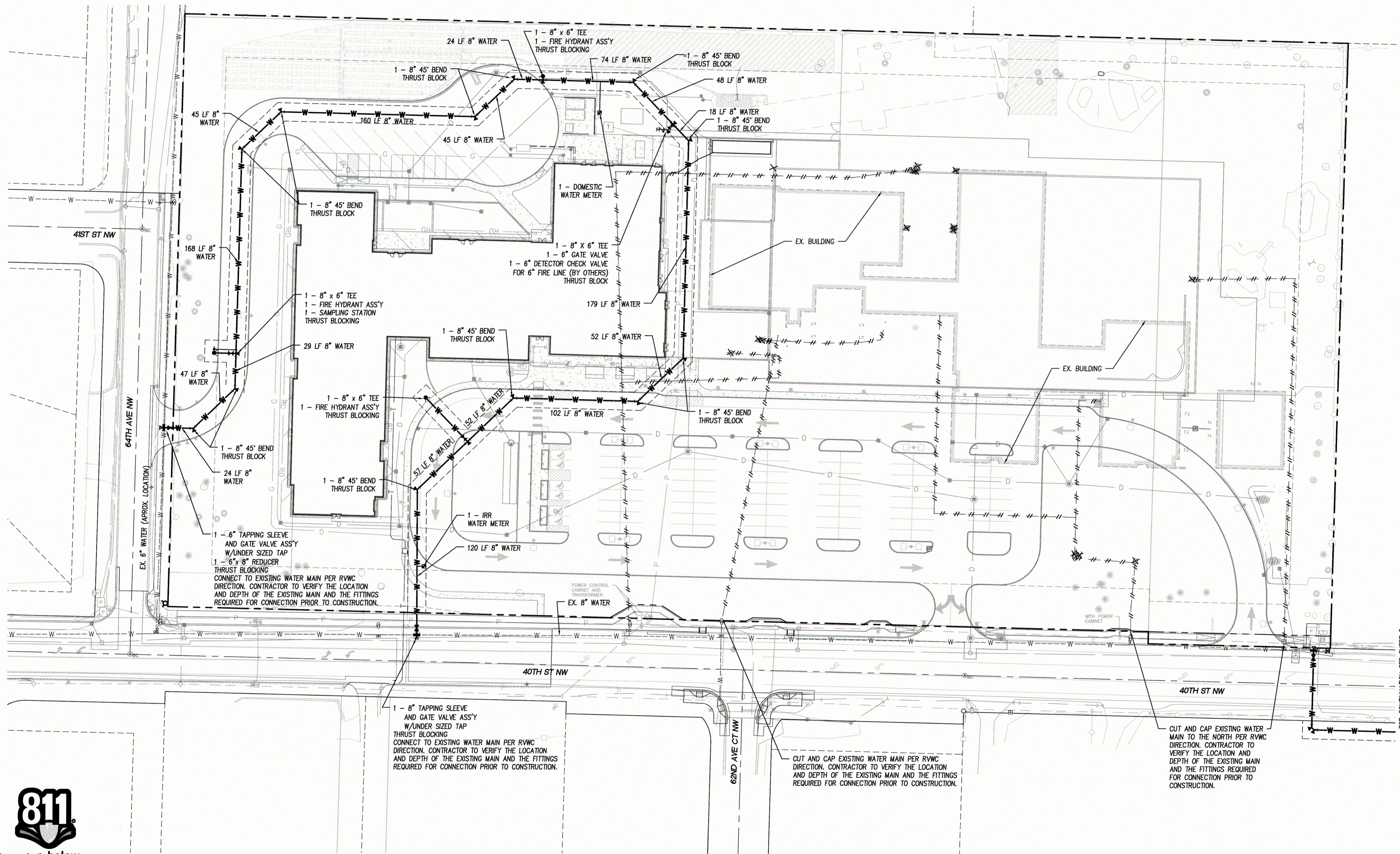


# RAINIER VIEW WATER COMPANY

## ARTONDALE ELEMENTARY SCHOOL - WATER MAIN EXTENSION - PLAN

A PORTION OF SEC. 24, TWP. 21 N., RGE 1 E., W.M.  
PIERCE COUNTY, WASHINGTON

DESIGN APPROVAL, DATE \_\_\_\_\_  
RAINIER VIEW WATER COMPANY



REV NO	REVISION DESCRIPTION	DATE

# Apex Engineering

2601 South 35th, Suite 200  
Tacoma, Washington 98409-7479  
(253) 475-4984 FAX: (253) 475-0599

**TITLE** RAINIER VIEW WATER COMPANY  
ARTONDALE ELEMENTARY SCHOOL  
WATER MAIN EXTENSION  
PLAN

**CLIENT** RAINIER VIEW WATER COMPANY  
P.O. BOX 44427  
TACOMA, WA. 98448-0427  
ATTN: MR. BOB BLACKMAN (253)537-6634

DATE SEALED 09/03/2020



**PROJECT MANAGER**  
KM A SAVAGE, P.E.

**DESIGN** RB  
**DRAWN** RB  
**CHECKED** KB

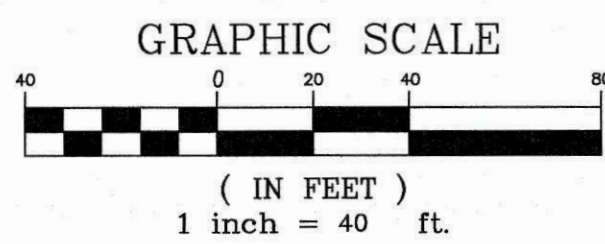
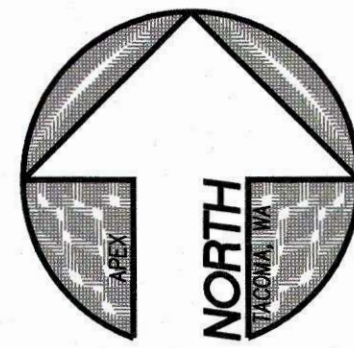
SEC 24 T 21 N R 1 E  
FILE NO 34994WAWRK.DWG  
DATE 01/15/20  
SCALE 1" = 40'

**SHEET 2 OF 4**  
FILE NO 34994  
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Know what's below.  
Call before you dig.

FOR CONTINUATION SEE SHEET 3



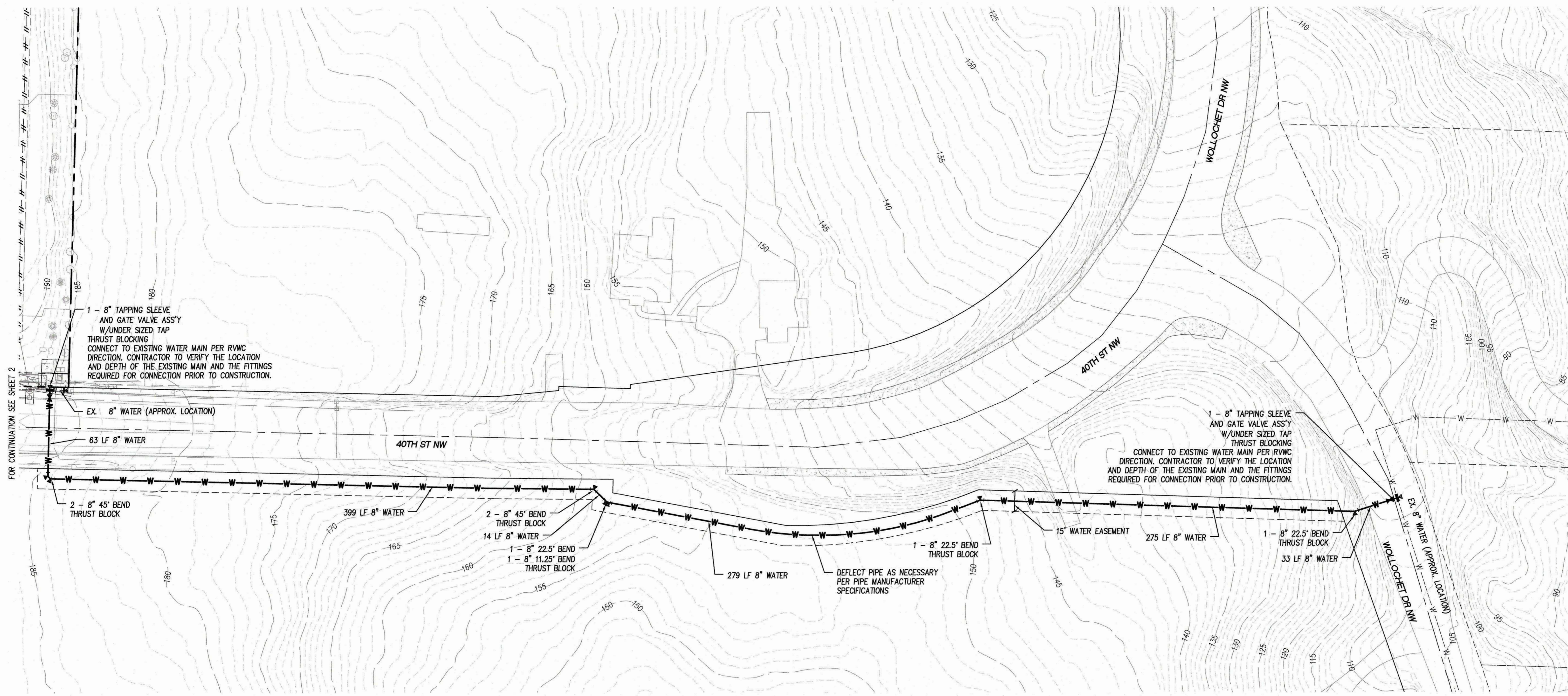


# RAINIER VIEW WATER COMPANY

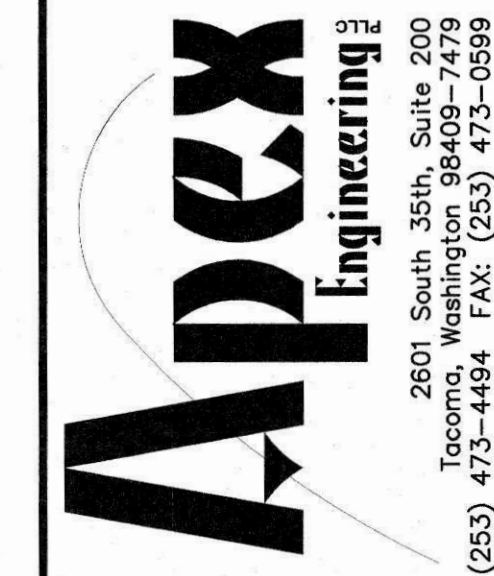
## 40TH STREET NW - WATER MAIN EXTENSION - PLAN

A PORTION OF SEC. 24, TWP. 21 N., RGE 1 E., W.M.  
PIERCE COUNTY, WASHINGTON

DESIGN APPROVAL, DATE \_\_\_\_\_  
RAINIER VIEW WATER COMPANY

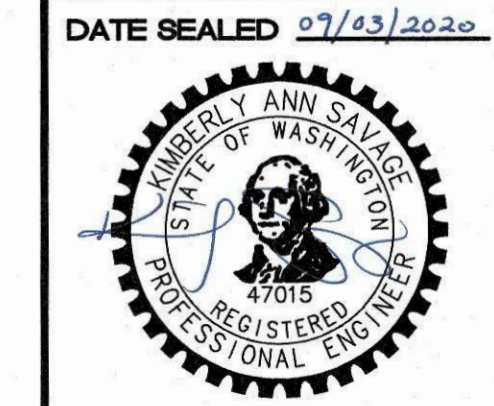


REV NO	REVISION DESCRIPTION	DATE BY



**TITLE** RAINIER VIEW WATER COMPANY  
40TH STREET NW  
WATER MAIN EXTENSION  
PLAN

**CLIENT** RAINIER VIEW WATER COMPANY  
P.O. BOX 44427  
TACOMA, WA 98448-0427  
ATTN: MR. BOB BLACKMAN (253)537-6634



DATE SEALED 07/03/2020

PROJECT MANAGER  
KIM A SAVAGE, P.E.

DESIGN RB  
DRAWN RB  
CHECKED KB

SEC 24 T 21 N R 1 E  
FILE NO 34994WAWRK.DWG  
DATE 01/15/20  
SCALE 1" = 40'

SHEET 3 OF 4  
FILE NO 34994



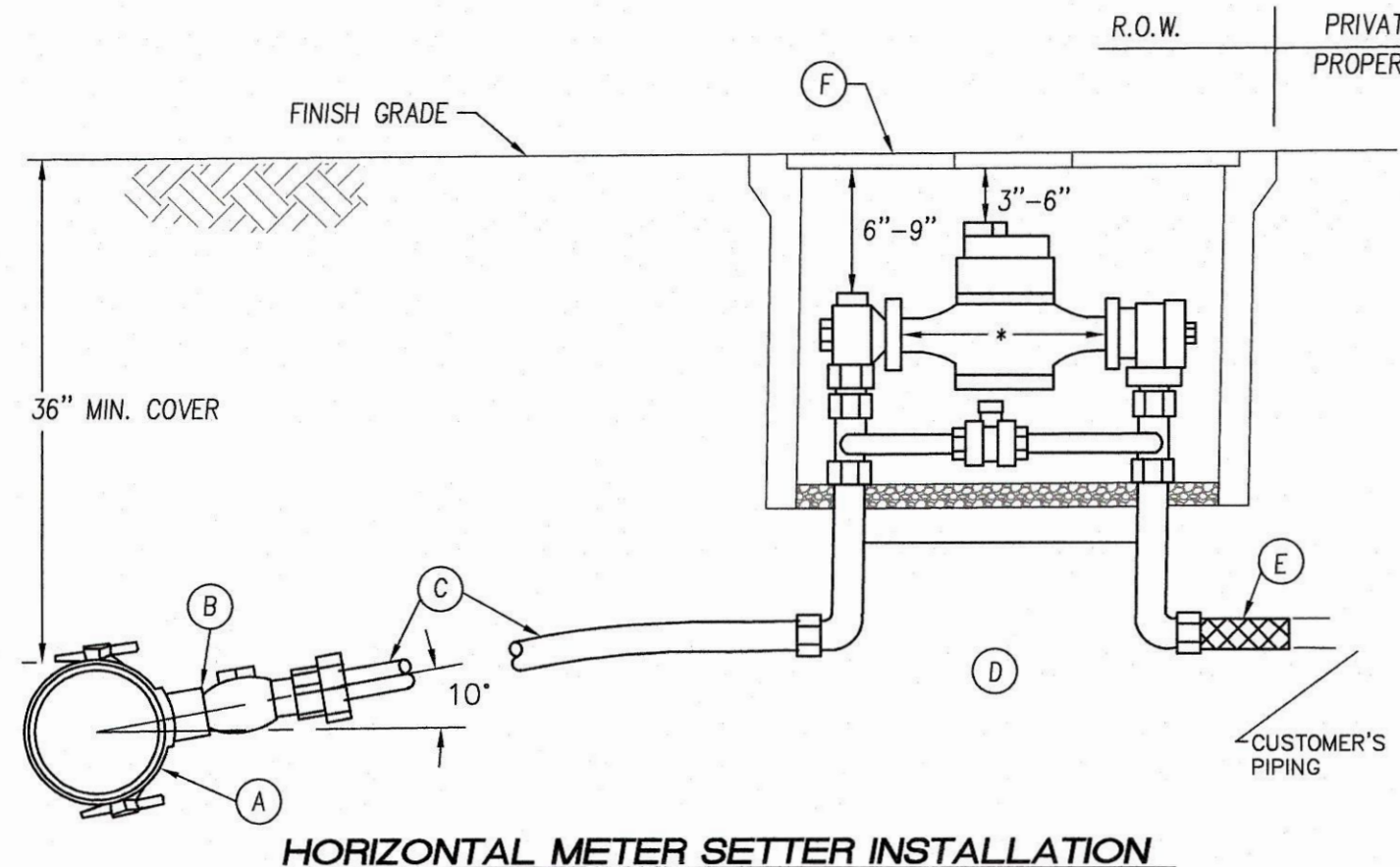
Know what's below.  
Call before you dig.



# RAINIER VIEW WATER COMPANY

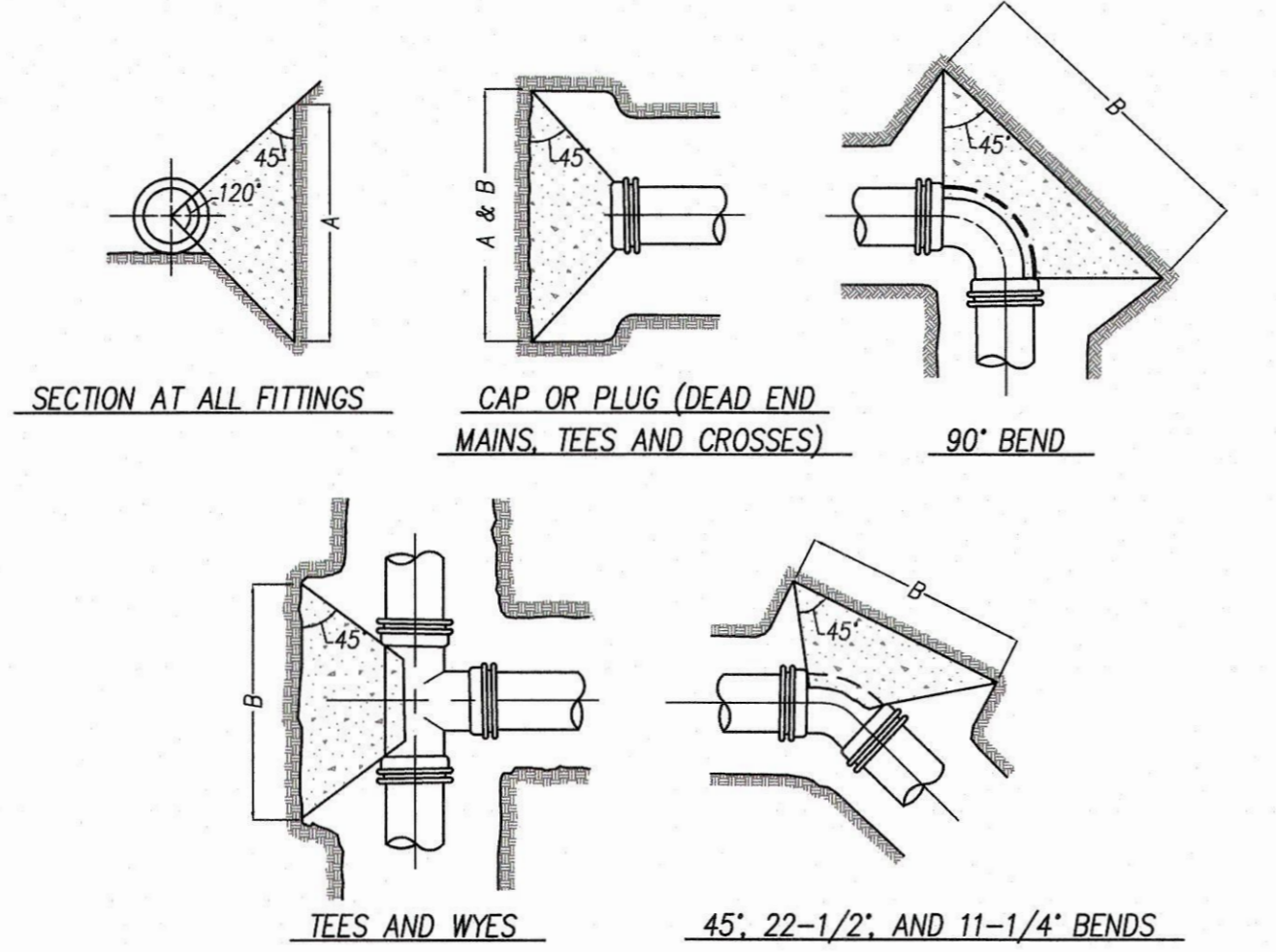
## ARTONDALE ELEMENTARY SCHOOL/40TH ST NW - WATER MAIN EXTENSION - NOTES AND DETAILS

A PORTION OF SEC. 24, TWP. 21 N., RGE 1 E., W.M.  
PIERCE COUNTY, WASHINGTON



- HORIZONTAL METER SETTER INSTALLATION**
- (A) DUCTILE IRON SERVICE SADDLE WITH IP THREAD AND DOUBLE STAINLESS STRAPS
  - (B) CORPORATION STOP, IP X IP
  - (C) 200 PSI HIGH DENSITY POLYETHYLENE I.P.S. WITH BRASS COMPRESSION COUPLINGS WITH STIFFENERS
  - (D) 1-1/2" OR 2" LOCKABLE METER SETTER WITH LOCKABLE HIGH BY-PASS OPTION & CHECK VALVE (\* TO BE DETERMINED, COORDINATE WITH RVWC.)
  - (E) 12" X 1-1/2" OR 2" BRASS NIPPLE
  - (F) FOOTITE #2 CONCRETE METER BOX, STEEL TRAFFIC LID WITH 1 1/2" LID HOLE FOR TOUCH-READ PAD

- NOTES:**
- SERVICE LINES SHALL BE PERPENDICULAR TO THE WATER MAIN, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  - AN APPROVED BACKFLOW ASSEMBLY MUST BE INSTALLED PER RVWC REQUIREMENTS. IRRIGATION SYSTEM SHALL NOT BE PUT INTO SERVICE UNTIL THE BACKFLOW ASSEMBLY INSTALLATION IS APPROVED BY A CITY OF RVWC INSPECTOR.
  - METER WILL BE SUPPLIED AND INSTALLED BY THE RVWC
  - LOCATE WIRE SHALL BE 14 GAUGE VINYL COATED COPPER WIRE PLACED WITH POLYETHYLENE SERVICE LINE. BARE LOCATE WIRE (STRIPPED) SHALL BE WRAPPED AROUND THE CORPORATION STOP A MINIMUM OF TWO TIME. THE END IN THE METER BOX SHALL BE LOOPED WITHIN THE METER BOX



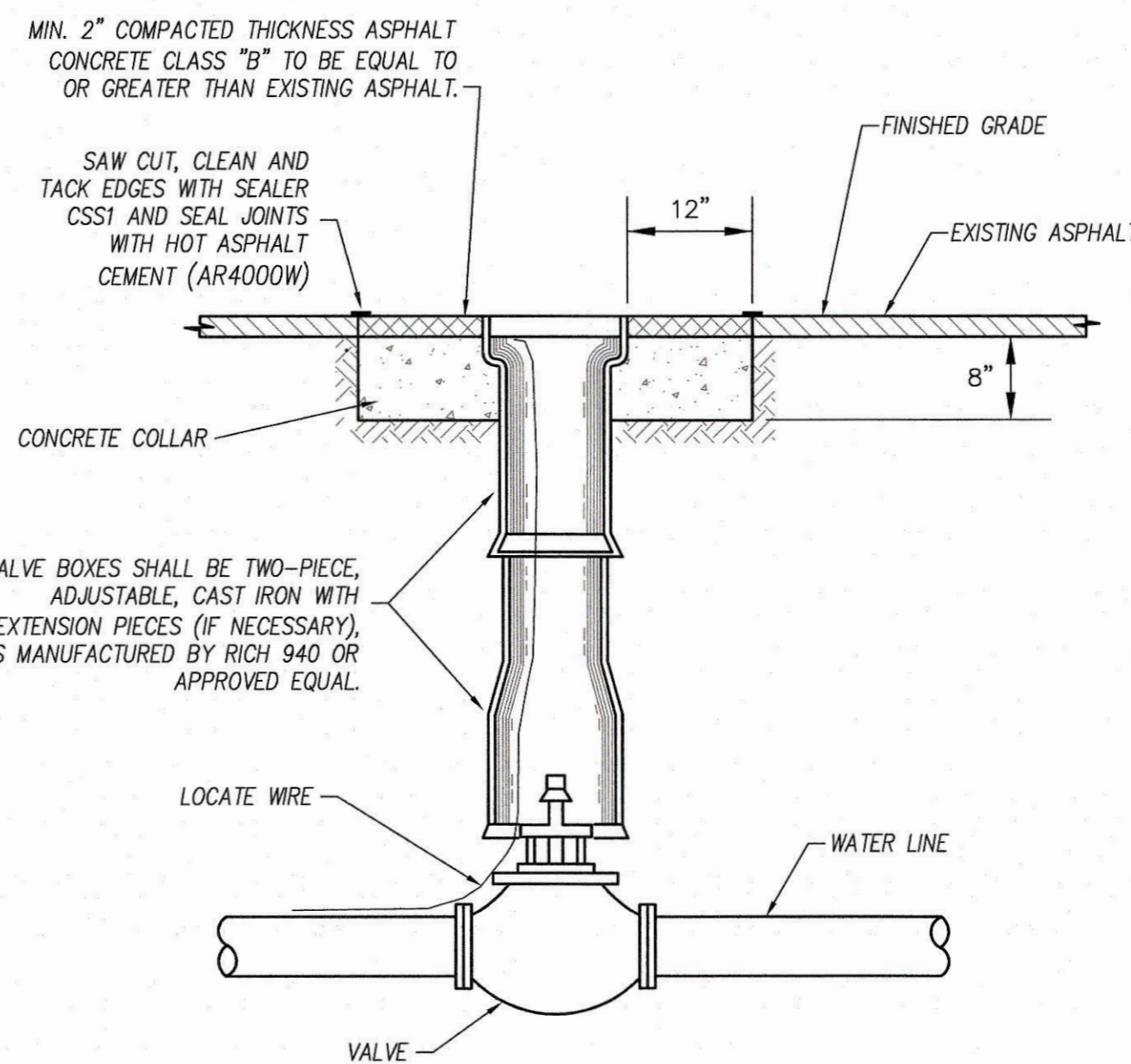
**NOTE:**

- THRUST BLOCKS ARE REQUIRED ON ALL FITTINGS FOR PRESSURE PIPE WITH PUSH-ON OR MECHANICAL TYPE JOINTS.
- ALL CONCRETE BLOCKING SHALL BE POURED AGAINST DRY, UNDISTURBED SUBGRADE. THE TABLE IS BASED UPON 2000 LBS. S.F. ALLOWABLE SOIL BEARING. WEAKER SOIL WILL REQUIRE INCREASED BEARING AREA. SQUARE FOOTAGE IN TABLE IS DETERMINED FOR TEST PRESSURE OF 225 PSI.

PIPE SIZE	CAP, PLUG OR TEE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
6"	4.5	6.0	3.5	2.0	1.0
8"	7.5	10.5	6.0	3.0	1.5
10"	11	15.5	8.5	4.5	2.5
12"	15.5	22.0	12.0	6.0	3.5
14"	21.0	29.5	16.0	8.5	4.5
16"	27.0	38.0	20.5	10.5	5.5

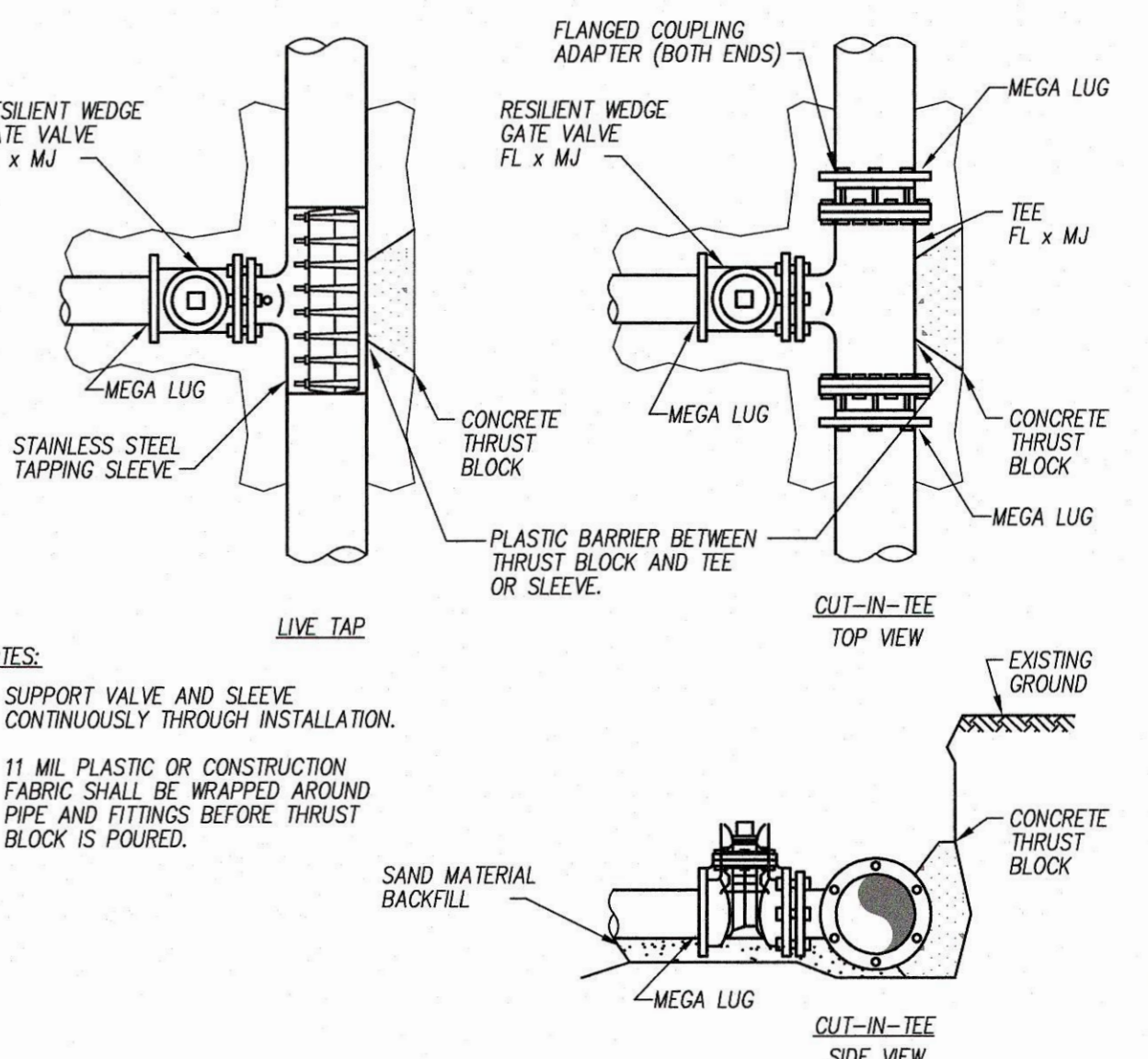
*A x B = BEARING AREA REQ'D IN SQ. FT. (SEE NOTE 2)*

**THRUST BLOCK DETAIL**  
N.T.S.  
(REVISED 2013)

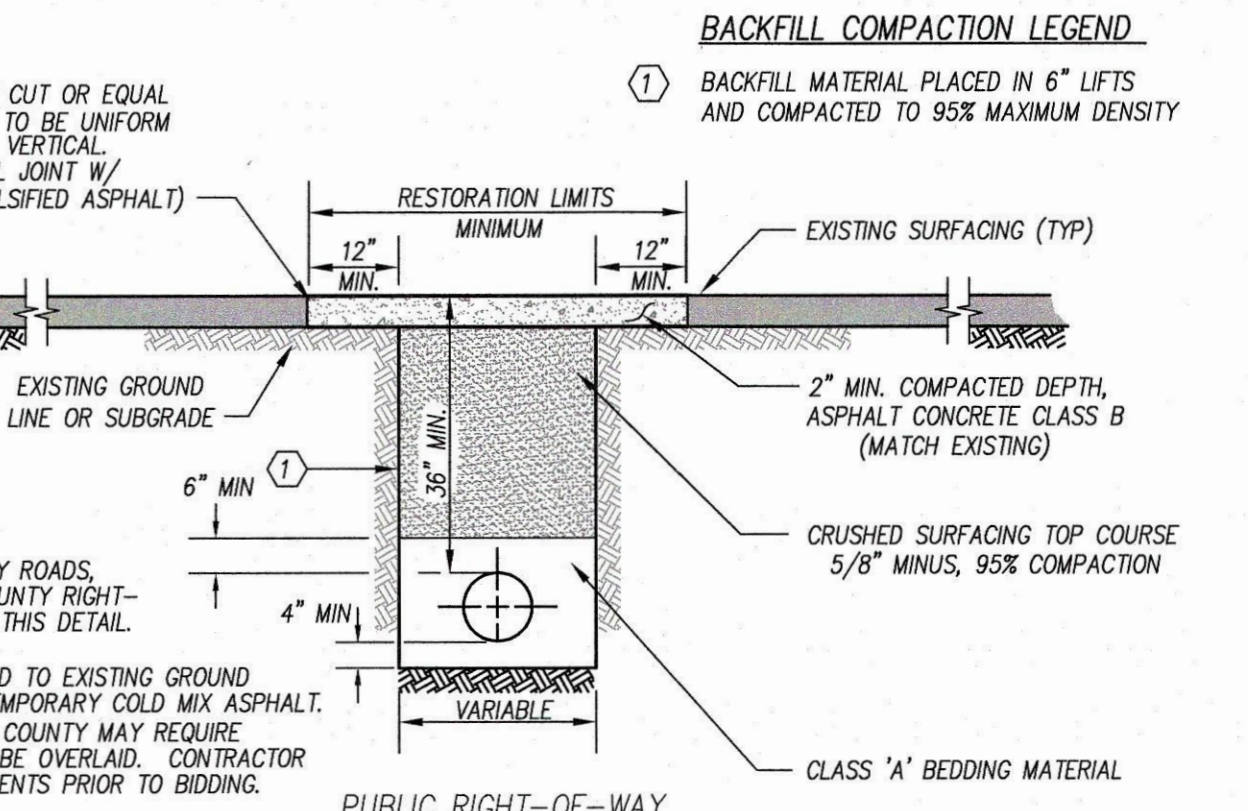


- NOTES:**
- VALVE BOXES TO HAVE TABS TURNED IN THE DIRECTION OF THE WATER MAIN INSTALLED ON, AND CENTERED OVER OPERATING NUT ON VALVE.
  - ALL EXISTING CAST IRON VALVE BOXES SHALL BE ADJUSTED TO GRADE WITH CAST IRON COMPONENTS.
  - ALIGNMENTS OF THE VALVE BOX SHALL BE THE DEVELOPERS RESPONSIBILITY AND CARE SHALL BE TAKEN TO ENSURE THAT THE VALVE MAY BE OPERATED.
  - LOCATE WIRE TO EXTEND MINIMUM OF 12" BEYOND TOP OF VALVE BOX.

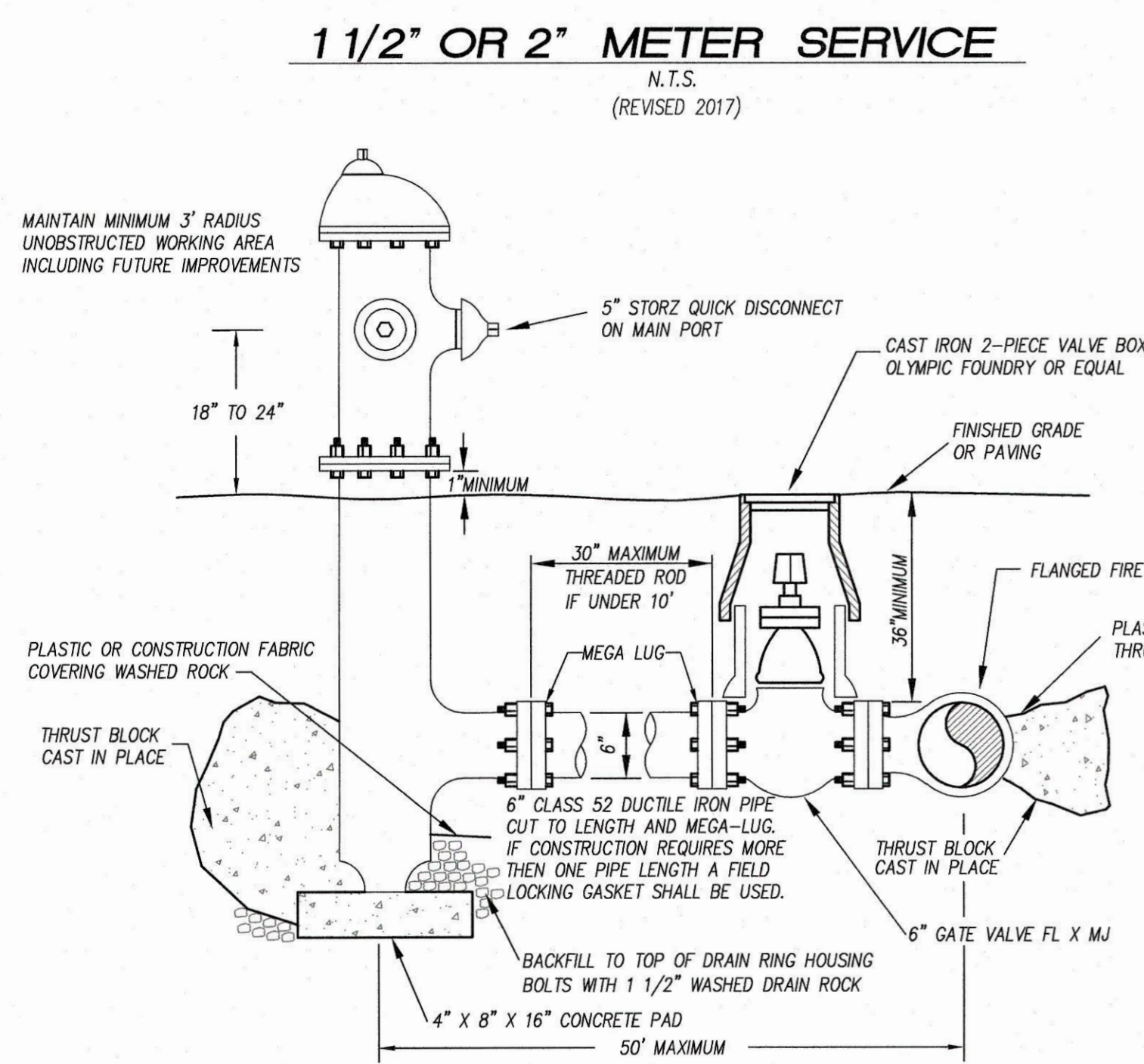
**VALVE BOX**  
N.T.S.  
(REVISED 2013)



**CONNECTION TO EXISTING MAIN DETAIL**  
N.T.S.  
(REVISED 2013)

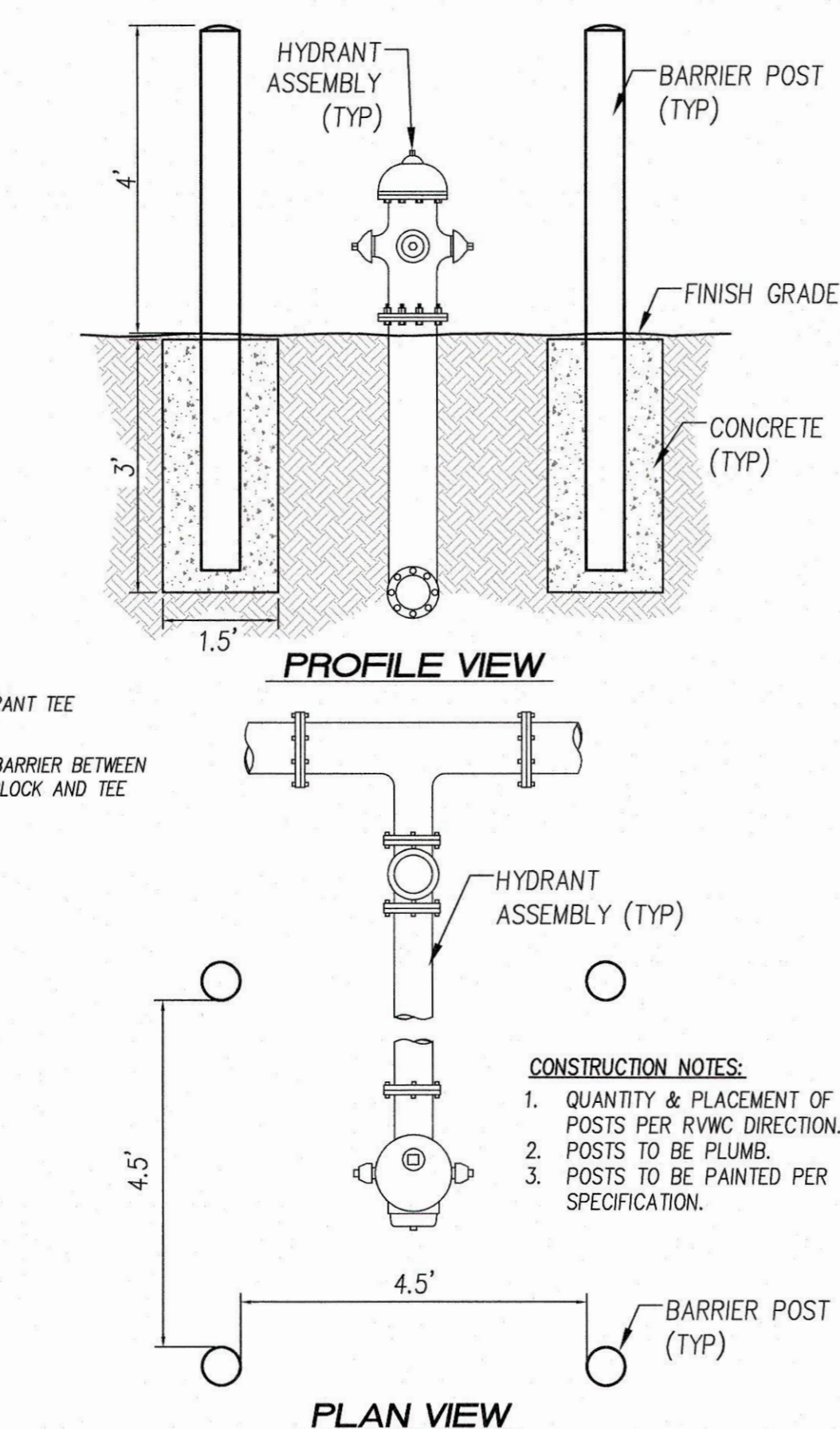


**UTILITY PATCH DETAIL**  
N.T.S.  
(REVISED 2013)

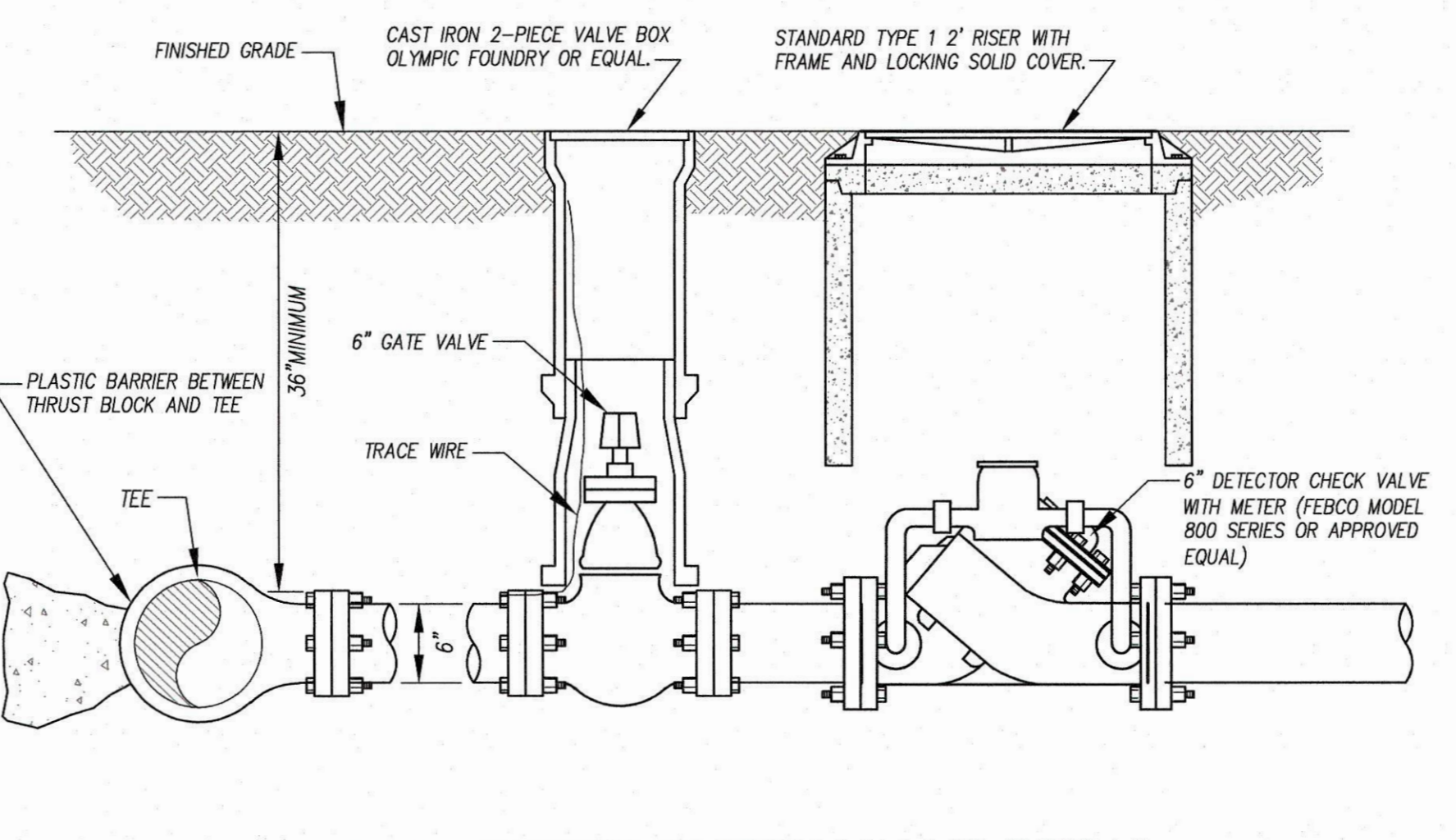


**TYPICAL FIRE HYDRANT DETAIL**  
N.T.S.  
(REVISED 2013)

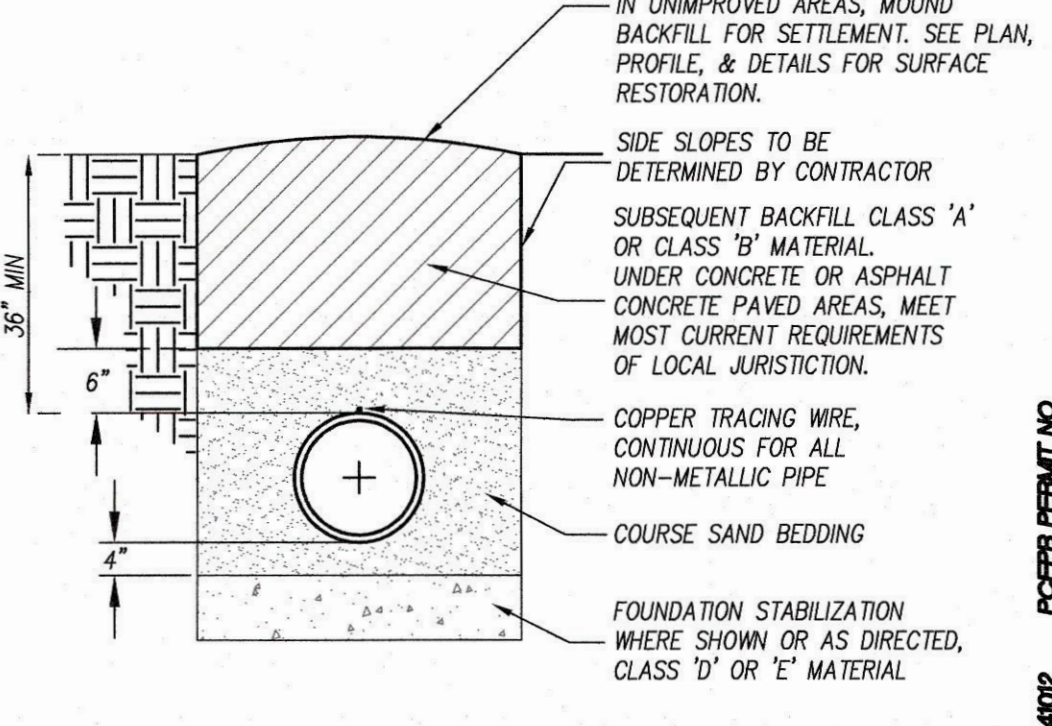
- NOTES:**
- ALL HYDRANTS WILL BE DRY BARREL. A MINIMUM OF 4.5 FEET IN LENGTH.
  - MECHANICAL JOINT INLET, 5 1/4" MAIN VALVE WITH 6" INLET.
- ACCEPTABLE HYDRANTS:**
- MUELLER "SUPER CENTURION 250"
  - CLOW "MEDALLION"
  - M&H 929 "RELIANT"
  - WATEROUS "PACER MODEL"
  - AVK



**HYDRANT BOLLARD DETAIL**  
N.T.S.  
(REVISED 2013)



**FIRE LINE DETECTOR CHECK VALVE DETAIL**  
N.T.S.  
(REVISED 2013)



**TYPICAL TRENCH DETAIL**  
N.T.S.  
(REVISED 2013)

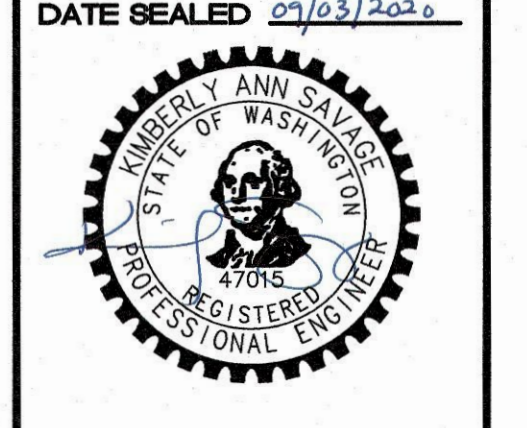
REV. NO.	REVISION DESCRIPTION	DATE BY

**Apex Engineering**

2601 South 35th, Suite 200  
Tacoma, WA 98406  
Tel: 253-4194-1994 Fax: 253-473-0599

**TITLE** RAINIER VIEW WATER COMPANY  
40TH STREET NW  
WATER MAIN EXTENSION  
NOTES AND DETAILS

**CLIENT** RAINIER VIEW WATER COMPANY  
P.O. BOX 44427  
TACOMA, WA 98448-0427  
ATTN: MR. BOB BLACKMAN (253)537-6634



**DATE SEALED** 07/03/2020

**PROJECT MANAGER**  
KM A SAVAGE, P.E.

**DESIGN** FB  
**DRAWN** FB  
**CHECKED** KB

**SEC 24 T 21 N R 1 E**  
**FILE NO** 34894-WWRK.DWG  
**DATE** 01/15/20  
**SCALE** AS NOTED

**SHEET 4 OF 4**  
**FILE NO** 34994

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