



TUALATIN CITY COUNCIL

Monday, FEBRUARY 11, 2019

JUANITA POHL CENTER

8513 SW Tualatin Road

Tualatin, OR 97062

WORK SESSION begins at 5:00 p.m.
BUSINESS MEETING begins at 7:00 p.m.

Mayor Frank Bubenik

Council President Joelle Davis

Councilor Robert Kellogg
Councilor Paul Morrison

Councilor Nancy Grimes
Councilor Bridget Brooks

Councilor Maria Reyes

Welcome! By your presence in the City Council Chambers, you are participating in the process of representative government. To encourage that participation, the City Council has specified a time for your comments on its agenda, following Announcements, at which time citizens may address the Council concerning any item not on the agenda or to request to have an item removed from the consent agenda. If you wish to speak on a item already on the agenda, comment will be taken during that item. Please fill out a Speaker Request Form and submit it to the Recording Secretary. You will be called forward during the appropriate time; each speaker will be limited to three minutes, unless the time limit is extended by the Mayor with the consent of the Council.

Copies of staff reports or other written documentation relating to each item of business referred to on this agenda are available for review on the City website at www.tualatinoregon.gov/meetings and on file in the Office of the City Manager for public inspection. Any person with a question concerning any agenda item may call Administration at 503.691.3011 to make an inquiry concerning the nature of the item described on the agenda.

In compliance with the Americans With Disabilities Act, if you need special assistance to participate in this meeting, you should contact Administration at 503.691.3011. Notification thirty-six (36) hours prior to the meeting will enable the City to make reasonable arrangements to assure accessibility to this meeting.

Council meetings are televised *live* the day of the meeting through Washington County Cable Access Channel 28. The replay schedule for Council meetings can be found at www.tvctv.org. Council meetings can also be viewed by live *streaming video* on the day of the meeting at www.tualatinoregon.gov/meetings.

Your City government welcomes your interest and hopes you will attend the City of Tualatin Council meetings often.

PROCESS FOR LEGISLATIVE PUBLIC HEARINGS

A **legislative** public hearing is typically held on matters which affect the general welfare of the entire City rather than a specific piece of property.

1. Mayor opens the public hearing and identifies the subject.
2. A staff member presents the staff report.
3. Public testimony is taken.
4. Council then asks questions of staff, the applicant, or any member of the public who testified.
5. When the Council has finished questions, the Mayor closes the public hearing.
6. When the public hearing is closed, Council will then deliberate to a decision and a motion will be made to either *approve*, *deny*, or *continue* the public hearing.

PROCESS FOR QUASI-JUDICIAL PUBLIC HEARINGS

A **quasi-judicial** public hearing is typically held for annexations, planning district changes, conditional use permits, comprehensive plan changes, and appeals from subdivisions, partitions and architectural review.

1. Mayor opens the public hearing and identifies the case to be considered.
2. A staff member presents the staff report.
3. Public testimony is taken:
 - a) In support of the application
 - b) In opposition or neutral
4. Council then asks questions of staff, the applicant, or any member of the public who testified.
5. When Council has finished its questions, the Mayor closes the public hearing.
6. When the public hearing is closed, Council will then deliberate to a decision and a motion will be made to either *approve*, *approve with conditions*, or *deny the application*, or *continue* the public hearing.

TIME LIMITS FOR PUBLIC HEARINGS

The purpose of time limits on public hearing testimony is to provide all interested persons with an adequate opportunity to present and respond to testimony. All persons providing testimony **shall be limited to 3 minutes**, subject to the right of the Mayor to amend or waive the time limits.

EXECUTIVE SESSION INFORMATION

An Executive Session is a meeting of the City Council that is closed to the public to allow the City Council to discuss certain confidential matters. An Executive Session may be conducted as a separate meeting or as a portion of the regular Council meeting. No final decisions or actions may be made in Executive Session. In many, but not all, circumstances, members of the news media may attend an Executive Session.

The City Council may go into Executive Session for certain reasons specified by Oregon law. These reasons include, but are not limited to: ORS 192.660(2)(a) employment of personnel; ORS 192.660(2)(b) dismissal or discipline of personnel; ORS 192.660(2)(d) labor relations; ORS 192.660(2)(e) real property transactions; ORS 192.660(2)(f) information or records exempt by law from public inspection; ORS 192.660(2)(h) current litigation or litigation likely to be filed; and ORS 192.660(2)(i) employee performance of chief executive officer.



OFFICIAL AGENDA OF THE TUALATIN CITY COUNCIL MEETING FOR FEBRUARY 11, 2019

A. CALL TO ORDER

Pledge of Allegiance

B. ANNOUNCEMENTS

1. New Employee Introduction- Lauren Gonzalez, Permit Coordinator
2. Update on the Tualatin Youth Advisory Council's activities for February 2019

C. PUBLIC COMMENT

This section of the agenda allows anyone to address the Council regarding any issue not on the agenda, or to request to have an item removed from the consent agenda. The duration for each individual speaking is limited to 3 minutes. Matters requiring further investigation or detailed answers will be referred to City staff for follow-up and report at a future meeting.

D. CONSENT AGENDA

The Consent Agenda will be enacted with one vote. The Mayor will ask Councilors if there is anyone who wishes to remove any item from the Consent Agenda for discussion and consideration. If you wish to request an item to be removed from the consent agenda you should do so during the Citizen Comment section of the agenda. The matters removed from the Consent Agenda will be considered individually at the end of this Agenda under, Items Removed from the Consent Agenda. The entire Consent Agenda, with the exception of items removed from the Consent Agenda to be discussed, is then voted upon by roll call under one motion.

1. Consideration of Approval of the Minutes for the Work Session and Regular Meeting of January 28, 2019
2. Consideration of **Resolution No. 5420-19** Updating Certain Sections of the Public Works Construction Code

E. SPECIAL REPORTS

1. Quarterly Financial Report

F. ITEMS REMOVED FROM CONSENT AGENDA

Items removed from the Consent Agenda will be discussed individually at this time. The Mayor may impose a time limit on speakers addressing these issues.

G. COMMUNICATIONS FROM COUNCILORS

H. ADJOURNMENT

City Council Meeting

Meeting Date: 02/11/2019

ANNOUNCEMENTS: Tualatin Youth Advisory Council Update, February 2019

ANNOUNCEMENTS

Update on the Tualatin Youth Advisory Council's activities for February 2019

A. YAC Update

February 11, 2019

Tualatin Youth Advisory Council

Youth Participating in Governance

National League of Cities

- ⦿ March 9-13, 2018
- ⦿ 3 YAC members attending
- ⦿ Leadership development, civic engagement, networking

**Congressional City
Conference**

NLC NATIONAL
LEAGUE
OF CITIES



Project FRIENDS

- Day-long bullying prevention workshop for 5th grade students
- Curriculum researched and designed by YAC members
- Late April/May 2019



Other Activities

- ◎ City Day at Oregon State Capitol
 - January 24
 - Heard speeches from State Government officials, meet and greet with State Senator Rob Wagner and Representative Rachel Prusak
- ◎ Oregon Youth Summit
 - February 22
 - Meet and share ideas with other Oregon Youth Advisory Councils





STAFF REPORT

CITY OF TUALATIN

TO: Honorable Mayor and Members of the City Council

THROUGH: Sherilyn Lombos, City Manager

FROM: Nicole Morris, Deputy City Recorder

DATE: 02/11/2019

SUBJECT: Consideration of Approval of the Minutes for the Work Session and Regular Meeting of January 28, 2019

ISSUE BEFORE THE COUNCIL:

The issue before the Council is to approve the minutes for the Work Session and Regular Meeting of January 28, 2019.

RECOMMENDATION:

Staff respectfully recommends that the Council adopt the attached minutes.

Attachments: [City Council Work Session Minutes of January 28, 2019](#)
[City Council Regular Meeting Minutes of January 28, 2019](#)



Present: Mayor Frank Bubenik; Council President Joelle Davis; Councilor Nancy Grimes; Councilor Paul Morrison; Councilor Robert Kellogg; Councilor Maria Reyes; Councilor Bridget Brooks

Staff Present: City Manager Sherilyn Lombos; City Attorney Sean Brady; Police Chief Bill Steele; Planning Manager Aquilla Hurd-Ravich; Deputy City Recorder Nicole Morris; Assistant to the City Manager Tanya Williams; Economic Development Manager Jonathan Taylor; City Engineer Jeff Fuchs; Management Analyst II Garet Prior; Planning Manager Steve Koper

CALL TO ORDER

Mayor Bubenik called the meeting to order at 5:02 p.m.

1. *Introduction of Tualatin 2040.*

Community Development Director Aquilla Hurd-Ravich and Eco Northwest Consultant Beth Goodman presented an overview of Tualatin 2040. Director Hurd-Ravich stated Tualatin 2040 is the policy prioritization phase of the Development Code update which builds on the success of the code modernization project. This phase is broken into three pieces which include policy identification, a Housing Needs Analysis (HNA) and Economic Opportunities Analysis (EOA), and a policy prioritization plan. Director Hurd-Ravich stated the policy identification phase will identify community priorities through interviews held with a broad range of community members, advisory committees and decision makers. Consultant Goodman stated the HNA will update the City's inventory of buildable land and look at expected growth over the next 20 years to help inform future City actions and plans. She spoke to the steps in an HNA and opportunities for needed housing in the City. Consultant Goodman stated the EOA will help inform if there is enough land to accommodate expected employment growth, what types of industries will grow and what land type they will need, describe existing economic conditions, and forecasts future conditions. She spoke to the parts of an EOA including an inventory of buildable commercial and industrial land, employment growth forecasts, and recommendations for economic development strategies and policies. Director Hurd-Ravich stated the last piece is the Policy Prioritization Plan which will list and categorize issues from stakeholder input. The plan will be presented to Council for adoption of acknowledgement of work.

Councilor Kellogg asked how granular the Metro population forecast is for Tualatin. Consultant Goodman stated Metro's model is fairly granular. Councilor Kellogg asked if the Urban Reserve areas will be reflected in the population forecasts. Consultant Goodman stated the Stafford and Basalt Creek areas will be accounted for specifically. Councilor Kellogg asked how closely they will stick to Metro's numbers. Consultant Goodman stated they stick very closely to the numbers.

Councilor Brooks asked who citizens would contact if they wanted to participate in the focus groups. Director Hurd-Ravich stated there will be a call for applications available on the city's website soon.

Councilor Grimes asked if the HNA will address sociodemographic particularly the needs for seniors. Consultant Goodman stated seniors are a large focus of the analysis.

Councilor Reyes asked what types of housing are normally needed for seniors. Consultant Goodman stated cottages and townhomes with large doorways and appropriate ingress and egress are needed.

Council President Davis asked to what extent the analysis will look at ADUs. Consultant Goodman stated they will be considered.

Mayor Bubenik asked about the member demographics of the committee. Director Hurd-Ravich stated staff is putting together a list of member types so the committee is diverse.

Mayor Bubenik asked if Urban Growth Boundary (UGB) expansions are considered in the analysis. Consultant Goodman stated they look at what is currently going on regionally and not specially at what is being built in certain areas.

Councilor Brooks asked if the environment is considered in the HNA, specifically in relation to traffic. Consultant Goodman stated traffic is considered in the Transportation System Plan and other concerns are taken into account in other comprehensive plans throughout the city. Director Hurd-Ravich stated the HNA and EOA are foundational pieces that feed into all comprehensive plans.

2. *Public Sector Bargaining – a Briefing.*

Human Resource Director Stacy Ruthrauff presented an informational briefing on public sector bargaining. She covered topics such as collective bargaining, bargaining in good faith, the bargaining process, unfair labor practices, and the council's role in bargaining.

3. *Public Hearings – a Briefing.*

City Attorney Sean Brady presented an informational briefing on public meetings. He covered topics including land use hearings (legislative and quasi-judicial), land use appeals, ex parte contacts, bias, and conflicts of interest (actual and potential).

4. *Council Meeting Agenda Review, Communications & Roundtable.*

Councilor Kellogg stated he attended the SW Corridor Open House. He encouraged everyone to review the meeting materials as they show proposed locations for the Bridgeport Terminus.

Councilor Reyes stated she toured Pacific Medals where they shared feedback that they are now using 124th Street for shipping.

Councilor Morrison stated he will be submitting an application for an open seat on the R1ACT. He noted it conflicts with his participation on the Council Committee on Advisory Appointments and asked if there are other Councilors interested in filing that seat. Councilor Reyes stated she would consider filing the seat.

Councilor Brooks stated she attended the LOC Cities Day in Salem, the Basalt Creek Open House, the SW Corridor Open House, and the Tualatin River Keepers celebration over the past couple of weeks.

Council President Davis stated she also attended the Basalt Creek Open House. In addition, she received an invitation to participate in the Tualatin Valley Fire and Rescue Community Academy in which she will attend.

ADJOURNMENT

The work session adjourned at 6:46 p.m.

Sherilyn Lombos, City Manager

_____ / Nicole Morris, Recording Secretary

_____ / Frank Bubenik, Mayor



OFFICIAL MINUTES OF THE TUALATIN CITY COUNCIL MEETING FOR JANUARY 28, 2019

Present: Mayor Frank Bubenik; Council President Joelle Davis; Councilor Nancy Grimes; Councilor Paul Morrison; Councilor Robert Kellogg; Councilor Maria Reyes; Councilor Bridget Brooks

Staff Present: City Manager Sherilyn Lombos; City Attorney Sean Brady; Police Chief Bill Steele; Finance Director Don Hudson; Planning Manager Aquilla Hurd-Ravich; Deputy City Recorder Nicole Morris; Teen Program Specialist Julie Ludemann; Parks and Recreation Manager Rich Mueller; Parks and Recreation Director Ross Hoover; Planning Manager Steve Koper

A. CALL TO ORDER

Pledge of Allegiance

Mayor Bubenik called the meeting to order at 7:01 p.m.

B. ANNOUNCEMENTS

1. Proclamation Declaring January 2019 as School Board Appreciation Month

Councilor Grimes read the proclamation declaring January 2019 as School Board Appreciation Month.

C. CITIZEN COMMENTS

This section of the agenda allows anyone to address the Council regarding any issue not on the agenda, or to request to have an item removed from the consent agenda. The duration for each individual speaking is limited to 3 minutes. Matters requiring further investigation or detailed answers will be referred to City staff for follow-up and report at a future meeting.

None.

D. CONSENT AGENDA

The Consent Agenda will be enacted with one vote. The Mayor will ask Councilors if there is anyone who wishes to remove any item from the Consent Agenda for discussion and consideration. If you wish to request an item to be removed from the consent agenda you should do so during the Citizen Comment section of the agenda. The matters removed from the Consent Agenda will be considered individually at the end of this Agenda under, Items Removed from the Consent Agenda. The entire Consent Agenda, with the exception of items removed from the Consent Agenda to be discussed, is then voted upon by roll call under one motion.

MOTION by Councilor Nancy Grimes, SECONDED by Council President Joelle Davis to adopt the consent agenda.

Aye: Mayor Frank Bubenik, Council President Joelle Davis, Councilor Nancy Grimes, Councilor Bridget Brooks, Councilor Maria Reyes, Councilor Paul Morrison, Councilor Robert Kellogg

MOTION CARRIED

1. Consideration of Approval of the Minutes for the Regular Meeting of December 10, 2018 and Work Session and Regular Meeting of January 14, 2019
2. Consideration of **Resolution No. 5418-19** Authorizing Stop Sign Changes on Myslony Street at 112th Avenue and 118th Avenue in conjunction with the opening of the Lou Ogden Bridge
3. Notice and Filing with the City Council of the 2018 Urban Renewal Agency Annual Financial Report from the Tualatin Development Commission.
4. Consideration of **Resolution No. 5421-19** Authorizing the City Manager to Execute an Intergovernmental Cooperative Procurement Agreement

E. SPECIAL REPORTS

1. Tualatin Arts Advisory Committee Community Enhancement Award to Marquis - The Community

Recreation Supervisor Julie Ludemann and Tualatin Arts Advisory Committee (TAAC) member Mason Hall presented the recommendation for the Community Enhancement Award to The Community at Marquis. Mr. Hall explained the community enhancement award was created to recognize individuals and organizations for their contributions to significant art endeavors and experiences within the Tualatin Community. The TAAC has identified The Community at Marquis for their display of Tualatin Elementary School historical objects as the next award recipient.

The Council accepted the recommendation and granted the award to The Community at Marquis. Amanda Ballard, representing The Marquis, accepted the award and thanked the community for their support.

F. PUBLIC HEARINGS – *Quasi-Judicial*

1. Consideration of **Ordinance No. 1416-19** Annexing Territory Located at 11605 SW Hazelbrook Road into the City of Tualatin and Withdrawing the Territory from the Washington County Enhanced Sheriff Patrol District and the County Urban Road Maintenance District (Tax Lot 1401, 2S1 15C) (File No. ANN-18-0001)

Mayor Bubenik opened the hearing for consideration of annexing territory at 11605 SW Hazelbrook Road into the City of Tualatin. He read the rules of the hearing in accordance with ORS 197.763(5) and (6) and ORS 197.796(3)(b).

Planning Manager Steve Koper and Assistant Planner Tabitha Boschetti presented ANN 18-0001. Planner Boschetti stated the applicant is the City of

Tualatin, represented by Rich Mueller, Parks Planning and Development Manager, owner of the 0.77-acre Tax Lot 1401 (Map 2S1 15C) with the address of 11605 SW Hazelbrook Road. She noted the land is located in the low-density residential (RL) planning district. The annexation meets all the criteria for annexation. She stated there is no proposed development at this time as the property was acquired for future parkland. Manager Koper stated staff recommends approval.

Parks Planning and Development Manager Rich Mueller spoke on behalf of the City stating the land adds value to the city as park land.

PUBLIC COMMENT

None.

COUNCIL DELIBERATION

None.

MOTION by Council President Joelle Davis, **SECONDED** by Councilor Paul Morrison for first reading by title only.

Aye: Mayor Frank Bubenik, Council President Joelle Davis, Councilor Nancy Grimes, Councilor Bridget Brooks, Councilor Maria Reyes, Councilor Paul Morrison, Councilor Robert Kellogg

MOTION CARRIED

MOTION by Council President Joelle Davis, **SECONDED** by Councilor Paul Morrison for second reading by title only.

Aye: Mayor Frank Bubenik, Council President Joelle Davis, Councilor Nancy Grimes, Councilor Bridget Brooks, Councilor Maria Reyes, Councilor Paul Morrison, Councilor Robert Kellogg

MOTION CARRIED

MOTION by Council President Joelle Davis, **SECONDED** by Councilor Paul Morrison to adopt Ordinance No. 1416-19 annexing territory located at 11605 SW Hazelbrook Road into the City of Tualatin and withdrawing the territory from the Washington County Enhanced Sheriff Patrol District and the County Urban Road Maintenance District.

Aye: Mayor Frank Bubenik, Council President Joelle Davis, Councilor Nancy Grimes, Councilor Bridget Brooks, Councilor Maria Reyes, Councilor Paul Morrison, Councilor Robert Kellogg

MOTION CARRIED

2. Consideration of **Ordinance No. 1417-19** Annexing Territory Located at 12150 SW Tualatin-Sherwood Road into the City of Tualatin and Withdrawing the Territory from the Washington County Enhanced Sheriff Patrol District and the County Urban Road Maintenance District (Tax Lots 500 and 701, 2S1 27C) (File No. ANN-18-0002)

Mayor Bubenik opened the hearing for consideration of annexing territory at 12150 SW Tualatin-Sherwood into the City of Tualatin. He read the rules of the hearing in accordance with ORS 197.763(5) and (6) and ORS 197.796(3)(b).

Planning Manager Steve Koper and Assistant Planner Tabitha Boschetti presented ANN 18-0002. Planner Boschetti stated the applicant is Matthew Dolan of KPFF Consulting Engineering, representing Kenneth E. Itel, owner of the 43.73 acre site comprised of Tax Lots 500 and 701 (Map 2S1 27C) with the address of 12150 SW Tualatin-Sherwood Road. She noted the parcel is currently designated as Manufacturing Business Park (MBP). The annexation meets all the criteria for annexation. It was noted there is no proposed development at this time. Manager Koper stated staff recommends approval.

Portland General Electric staff introduced themselves as the new property owners. They requested Council approve the annexation.

PUBLIC COMMENT

None.

COUNCIL DELIBERATIONS

None.

MOTION by Council President Joelle Davis, SECONDED by Councilor Nancy Grimes for first reading by title only.

Aye: Mayor Frank Bubenik, Council President Joelle Davis, Councilor Nancy Grimes, Councilor Bridget Brooks, Councilor Maria Reyes, Councilor Paul Morrison, Councilor Robert Kellogg

MOTION CARRIED

MOTION by Council President Joelle Davis, SECONDED by Councilor Nancy Grimes for second reading by title only.

Aye: Mayor Frank Bubenik, Council President Joelle Davis, Councilor Nancy Grimes, Councilor Bridget Brooks, Councilor Maria Reyes, Councilor Paul Morrison, Councilor Robert Kellogg

MOTION CARRIED

MOTION by Council President Joelle Davis, SECONDED by Councilor Robert Kellogg to adopt Ordinance No. 1417-19 annexing territory located at 12150 SW Tualatin-Sherwood Road into the City of Tualatin and withdrawing the territory from the Washington County Enhanced Sheriff Patrol District and the County Urban Road Maintenance District.

Aye: Mayor Frank Bubenik, Council President Joelle Davis, Councilor Nancy Grimes, Councilor Bridget Brooks, Councilor Maria Reyes, Councilor Paul Morrison, Councilor Robert Kellogg

MOTION CARRIED

G. GENERAL BUSINESS

If you wish to speak on a general business item please fill out a Speaker Request Form and you will be called forward during the appropriate item. The duration for each individual speaking is limited to 3 minutes. Matters requiring further investigation or detailed answers will be referred to City staff for follow-up and report at a future meeting.

1. Consideration of **Resolution No. 5422-19** Authorizing the City Manager to Execute an Intergovernmental Agreement with the Cities of Lake Oswego and West Linn Relating to Stafford Concept Planning

Mayor Bubenik opened the floor for public comment and discussion on the Intergovernmental Agreement (IGA) with the cities of Lake Oswego and West Linn relating to Stafford Concept Planning. He noted the Council discussed the IGA on December 10, 2018 where it was a tie vote.

PUBLIC COMMENT

Jeff Goodman spoke in favor of the IGA as a good first step in the process. He stated the agreement provides for a way for all three cities to work together. He submitted information for the record.

Ezra Hammer, representing the Portland Home Builders Association, spoke in opposition of the IGA. He urged Council to adhere to the 90-day continuance as requested by Clackamas County Commission Chair Bernard.

Peter Watts spoke in opposition of the IGA. He addressed concerns with the buildable lands inventory and the constraints the IGA will cause. He submitted a letter for the record.

Leonard Shaver spoke in opposition of the IGA. He submitted a letter for the record addressing his concerns.

Mike Stewart spoke in opposition of the IGA. He requested the city comply with the 90-day continuance as requested by Clackamas County Commission Chair Bernard.

David Marks spoke in opposition of the IGA.

COUNCIL DISCUSSION

Councilor Morrison stated he is in favor of an IGA, but not in favor of this IGA as presented. His concerns are with the timing of concept planning as outlined in section 2A and lack of language regarding binding arbitration. He would like to align this document with the language in the original five party IGA. He is not opposed to honoring Chair Bernard's request for a 90-day waiting period.

Councilor Reyes stated she does not feel comfortable making a decision tonight as she needs clarification on information.

Councilor Kellogg addressed concerns for those in opposition of the IGA. He addressed their concerns with funding for a transportation study, the moratorium, concerns with potential litigation, density transfers, and language for a revenue sharing agreement for infrastructure costs. He stated he is in favor of the IGA as

presented as he feels it is the right next step.

Councilor Grimes concurred with Councilor Kellogg's sentiments. She stated this is a joint process with the other cities and the IGA is a good step in a cooperative approach.

Council President Davis stated her primary concern is around appropriate transportation planning. She feels the IGA is the first step to having the traffic study completed. Council President Davis expressed concerns that if the IGA passes tonight that Clackamas County may block funds to have the transportation study completed.

Councilor Morrison stated Metro and Clackamas County are attempting to resolve two civil suits in the Stafford area before they will begin studies on transportation and public infrastructure.

Mayor Bubenik stated Chair Bernard reached out for the first time about the IGA on Friday afternoon. He stated Clackamas County should have reached out sooner if it was an actual concerns for them. Mayor Bubenik is favor of the IGA and would like to move forward and begin figuring out the areas of interest.

MOTION by Councilor Robert Kellogg, SECONDED by Councilor Nancy Grimes to adopt Resolution No. 5422-19 authorizing the City Manager to execute an Intergovernmental Agreement with the cities of Lake Oswego and West Linn relating to Stafford Concept Planning.

Aye: Mayor Frank Bubenik, Council President Joelle Davis, Councilor Nancy Grimes, Councilor Bridget Brooks, Councilor Robert Kellogg

Nay: Councilor Maria Reyes, Councilor Paul Morrison

MOTION CARRIED

H. COMMUNICATIONS FROM COUNCILORS

Councilor Morrison thanked Community Development Director Aquilla Hurd-Ravich for all her representation on committees throughout the region.

Councilor Brooks stated she attended the LOC Cities Day in Salem, the Basalt Creek Open House, the SW Corridor Open House, and the Tualatin River Keepers celebration over the past couple of weeks.

Councilor Reyes stated she toured Pacific Medals where they shared feedback that they are now using 124th Street for shipping.

Mayor Bubenik reminded citizens to review the proposed SW Corridor Locally Preferred Alternatives in relation to the Bridgeport Terminus options. Public comment is still being accepted on the alternatives.

Mayor Bubenik stated Community Development Block Grants applicants were interviewed last week. An affordable housing development in downtown Beaverton was awarded \$1.2 million.

Mayor Bubenik stated Grimm's Fuel license renewal is out for public comment thru February 5. Metro held an interested parties meeting on the license renewal. More information is available on their website.

Mayor Bubenik stated he will be attending a press conference tomorrow for the Metro's Mayors were they will present their legislative agenda.

I. ADJOURNMENT

Mayor Bubenik adjourned the meeting at 8:30 p.m.

Sherilyn Lombos, City Manager

_____ / Nicole Morris, Recording Secretary

_____ / Frank Bubenik, Mayor



STAFF REPORT

CITY OF TUALATIN

TO: Honorable Mayor and Members of the City Council

THROUGH: Sherilyn Lombos, City Manager

FROM: Kim McMillan, City Engineer
Terrance Leahy, Water Division Manager

DATE: 02/11/2019

SUBJECT: Consideration of **Resolution No. 5420-19** Updating Certain Sections of the Public Works Construction Code

ISSUE BEFORE THE COUNCIL:

Consideration of Resolution No. 5420-19, which updates certain sections of the Public Works Construction Code related to standards for water infrastructure.

RECOMMENDATION:

Staff recommends that Council adopt the attached resolution to update the Public Works Construction Code.

EXECUTIVE SUMMARY:

The City of Tualatin's Public Works Construction Code (PWCC) includes design and construction standards for construction in public Rights-of-Way within the City. The PWCC is adopted by the City Council and was last updated on December 10, 2018. The PWCC will be periodically modified as industry standards change and as our policies evolve.

This resolution updates specifications and Standard Drawings for fire hydrants, backflow assemblies, and compound water meters to make them more consistent with the Tualatin Municipal Code and current American Water Works Association (AWWA) Standards. To make inspection and maintenance easier for City staff, the details have also been revised to reflect currently used materials and specifications. Backflow vault dimensions and locations have been updated to bring the specifications into alignment with current City practices.

Resolution updates apply to the following specifications:

Design Requirement Specifications (Chapter 200): Modified: 204.06.06E

Technical Specifications (Chapter 300): Modified: 328.2.03

This resolution updates the following Standard Drawings:

607 Reduced Pressure Backflow Assembly, 3/4" Through 2"

- 608 Reduced Pressure Backflow Assembly, 3/4" Through 2" (Inside building, with approval)
- 609 Double Check Backflow Assembly, 3/4" Through 1"
- 610 Fire Hydrant Assembly
- 611 Double Check Backflow Assembly, 1-1/2" Through 2-1/2"
- 612 Reduced Pressure Backflow Assembly, 2-1/2" Through 10" (Inside building, with approval)
- 613 Double Check Backflow Assembly, 3" Through 10"
- 614 Double Check Detector Fire Protection Without FDC
- 615 Double Check Detector Fire Protection With FDC Connection
- 616 Double Check Valve Assembly Inside Building, 3/4" Through 2" (with approval)
- 617 Reduced Pressure Backflow Assembly, 2-1/2" Through 10"
- 634 Water Service 3" and Larger Meter Compound Type

This resolution deletes the following Standard Drawing:

- 635 Water Service 4" and Larger Meter Fire Service Type

FINANCIAL IMPLICATIONS:

The changes to the Public Works Construction Code included in this resolution are not expected to have financial implications.

Attachments: [Reso 5420-19 - PWCC Update](#)

RESOLUTION NO. 5420-19

A RESOLUTION UPDATING THE PUBLIC WORKS CONSTRUCTION CODE

WHEREAS, Tualatin Municipal Code (TMC) 2-3-010 establishes the Public Works Construction Code (PWCC) as the standards, specifications and procedures used for all Public Works Construction within the City;

WHEREAS, under Tualatin Municipal Code 2-3-020, the City Engineer has the duty to maintain and update the PWCC, subject to Council approval by resolution;

WHEREAS, the PWCC was adopted by Council resolution on October 8, 2001, and subsequently amended; and

WHEREAS, the City Engineer recommends the PWCC be revised.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF TUALATIN, OREGON, that:

Section 1. PWCC Section 204.3.06B, Location, is deleted and replaced to read as follows:

204.3.06B **Location**

Install the device in a vault on private property at the property line. Provide a public utility easement around the vault, extending 5 feet from the vault on all sides. Public Works may approve building installation or vault installation on the project site when installation at the property line is impractical or not feasible.

Section 2. PWCC Section 328.2.03, Hydrants, is deleted and replaced to read as follows:

328.2.03 **Hydrants**

Fire hydrants approved for use are Waterous Pacer WB-67 (with 16-inch standpipe), Clow F-2500, East Jordan 5CD 250, Kennedy K-81, Mueller Centurion, or M & H Valve 929 Reliant, all conforming to AWWA Standard C502 for dry barrel fire hydrants. Equip each hydrant with one 4½ -inch steamer nozzle, 5¾-inch O.D. with 4 threads per inch; two 2½-inch hose nozzles, 3¹/₁₆-inch O.D. with 7½ threads per inch; operating nut pentagon 1½- inch point to flat, counter clockwise to open 5¼ -inch valve; shoe 6-inch mechanical joint; factory powder coated red.

Section 3. The following Standard Drawings are deleted and replaced as set forth in Exhibit A, which is attached and incorporated by reference.

607 (Reduced Pressure Backflow Assembly, ¾-inch Thru 2-inch)

608 (Reduced Pressure Backflow Assembly, ¾-inch Thru 2-inch (Inside building, with approval))

- 609 (Double Check Backflow Assembly, ¾-inch Thru 1-inch)
- 610 (Fire Hydrant Assembly)
- 611 (Double Check Backflow Assembly, 1½ -inch Thru 2½-inch)
- 612 (Reduced Pressure Backflow Assembly, 2½-inch Thru 10-inches (Inside building, with approval))
- 613 (Double Check Backflow Assembly, 3-inch Thru 10-inch)
- 614 (Double Check Detector Fire Protection Without FDC)
- 615 (Double Check Detector Fire Protection With FDC Connection)
- 616 (Double Check Valve Assembly Inside Building, ¾-inch Thru 2-inch (with approval)
- 617 (Reduced Pressure Backflow Assembly, 2½-inch Thru 10-inch)
- 634 (Water Service 3-inch and Larger Meter Compound Type)

Section 4. Standard Drawing 635 (Water Service 4-inch and Larger Meter Fire Service Type) is deleted.

Section 5. To the extent this resolution conflicts with a prior resolution involving the PWCC, the provisions of this resolution control.

Section 6. This resolution is effective upon adoption.

INTRODUCED AND ADOPTED this 11th day of February, 2019.

CITY OF TUALATIN, OREGON

BY _____
Mayor

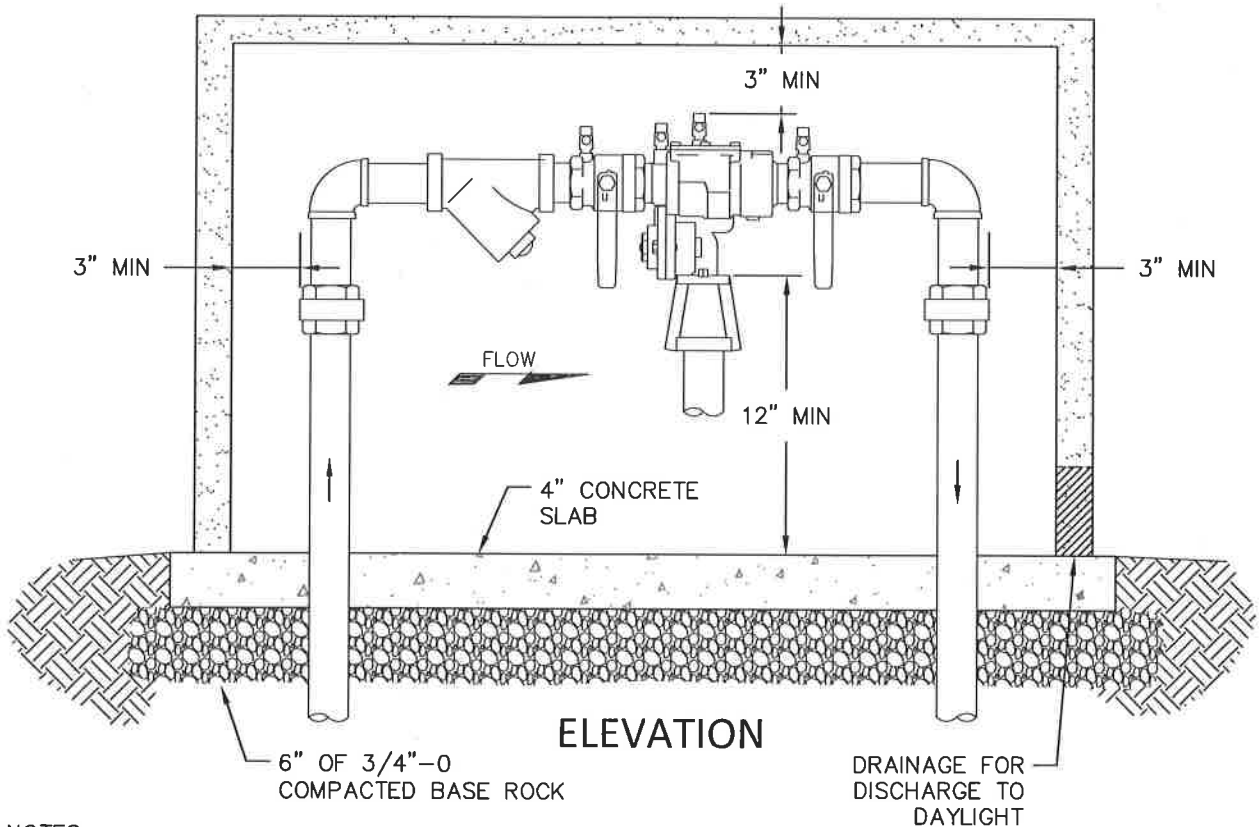
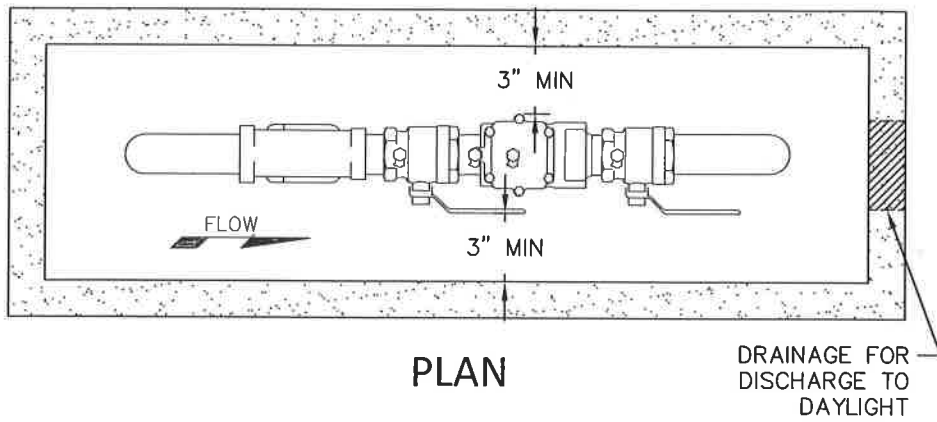
APPROVED AS TO FORM

ATTEST:

BY _____
City Attorney

BY _____
City Recorder

Exhibit A
Resolution No. 5420-19



NOTES:

1. COMPLY WITH OAR 333-61-070 AND AWWA C511, WHICH REQUIRES BACKFLOW ASSEMBLY TO BE APPROVED BY THE OREGON STATE HEALTH DIVISION. FLUSH SUPPLY LINE BEFORE INSTALLATION.
2. MOUNT ASSEMBLY ABOVE GROUND IN A HEATED, INSULATED, AND PROTECTIVE ENCLOSURE (HOT BOX OR SIMILAR) AT THE RIGHT-OF-WAY IN A LOCATION APPROVED BY CITY OF TUALATIN.
3. PLACE FLOOR LEVEL ABOVE THE 100-YEAR FLOOD ELEVATION WITH ADEQUATE DRAINAGE FOR DISCHARGE TO DAYLIGHT CAPABLE OF DRAINING A FULL RELIEF VALVE DISCHARGE SIZED PER AWWA STANDARDS.
4. DESIGNED HEATING TO MAINTAIN A MINIMUM AMBIENT TEMPERATURE OF 40°F WITH AN OUTSIDE TEMPERATURE OF -10°F AND WIND SPEED OF 20 MPH.
5. CLEARANCES SHOWN ARE MINIMUM.
6. WALL MOUNT ALL ELECTRICAL EQUIPMENT TO MEET ALL RELEVANT CODES FOR ELECTRICAL EQUIPMENT AND INSTALLATION.
7. PROVIDE INSPECTOR WITH CERTIFIED TEST REPORT UPON COMPLETION.



**CITY OF
TUALATIN, OR**

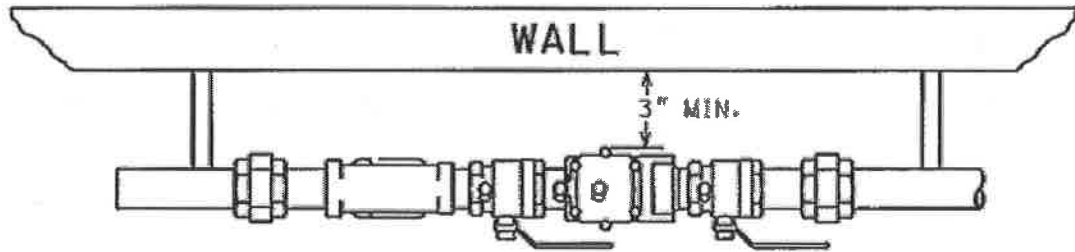
**REDUCED PRESSURE
BACKFLOW ASSEMBLY
3/4" THRU 2"**

REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

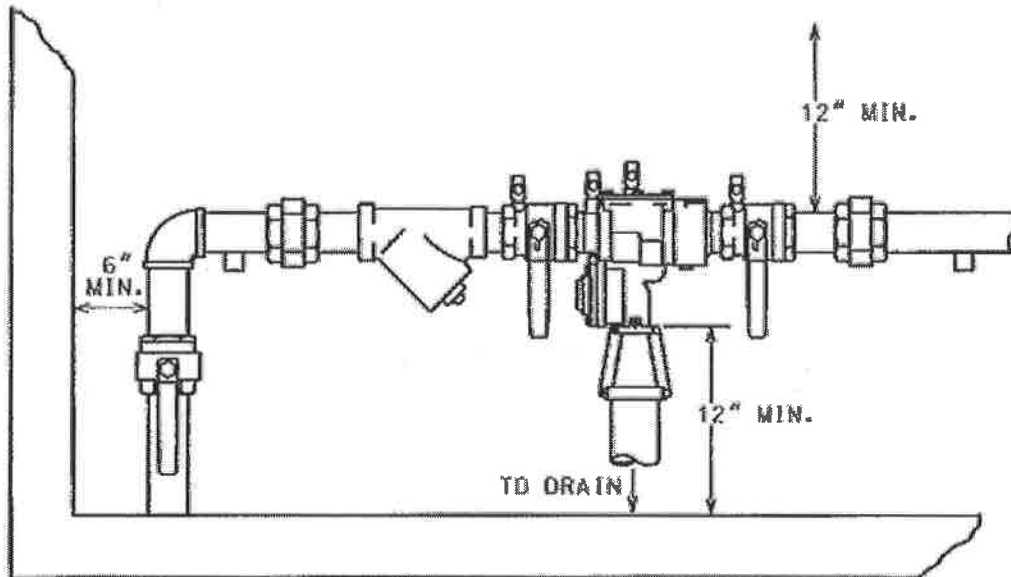
DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. **607**



PLAN

NOTE:
 PLACEMENT OF THE REDUCED PRESSURE BACKFLOW ASSEMBLY
 INSIDE THE BUILDING REQUIRES PRIOR PUBLIC WORKS APPROVAL.



ELEVATION

NOTES:

1. BACKFLOW ASSEMBLY TO BE APPROVED BY THE OREGON STATE HEALTH DIVISION AND COMPLY WITH OAR 333-61-070 AND AWWA C511. FLUSH SUPPLY LINE BEFORE INSTALLATION
2. ASSEMBLY SHALL BE MOUNTED ABOVE GROUND IN A BUILDING, WITH FLOOR LEVEL ABOVE THE 100-YEAR FLOOD ELEVATION. PROVIDE ADEQUATE FLOOR DRAIN DISCHARGE TO DAYLIGHT
3. HEATING SHALL BE DESIGNED TO MAINTAIN A MINIMUM AMBIENT TEMPERATURE OF 40°F WITH AN OUTSIDE TEMPERATURE OF -10°F AND WIND SPEED OF 20 MPH
4. CLEARANCES SHOWN ARE MINIMUM.
5. ELECTRICAL EQUIPMENT AND INSTALLATION SHALL MEET ALL RELEVANT CODES
6. PROVIDE CERTIFIED TEST REPORT UPON COMPLETION TO INSPECTOR



**CITY OF
 TUALATIN, OR**

**REDUCED PRESSURE
 BACKFLOW ASSEMBLY
 3/4" THRU 2"**

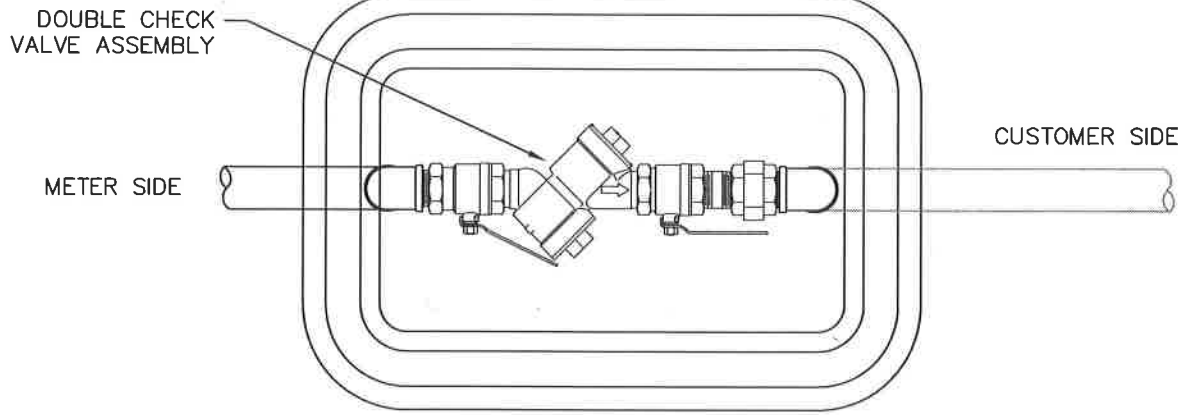
REVISED: 12/2018
 VALID: 12/2018

SCALE: NOT TO SCALE

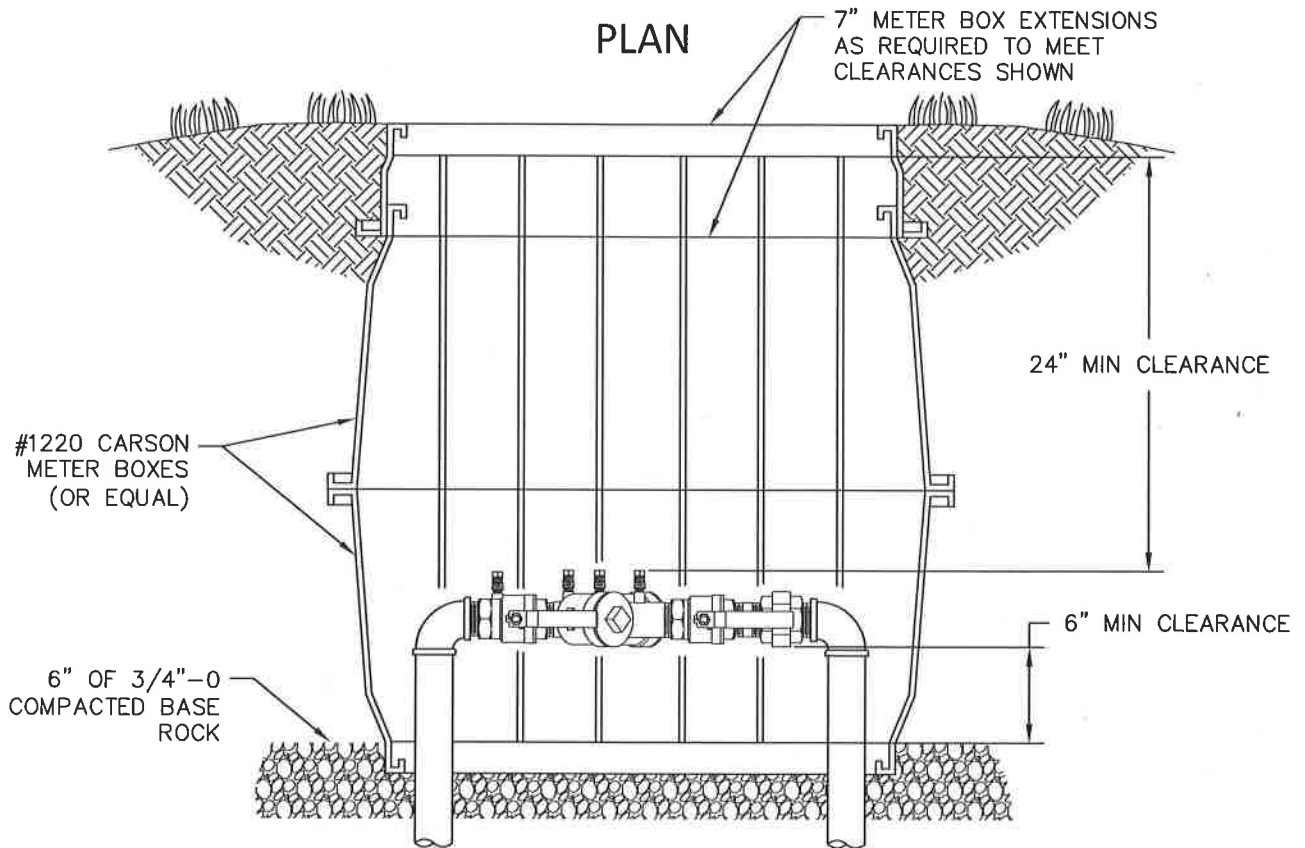
DRAWN: C. FERGESON
 APPROVED: K. MCMILLAN

DWG NO. 608

Exhibit A



PLAN



ELEVATION

NOTES:

1. INSTALL BACKFLOW ASSEMBLY AS APPROVED BY THE OREGON STATE HEALTH DIVISION WITH TWO INTEGRAL BALL VALVES AND INSTALLED WITH UNIONS AT BOTH ENDS AND PLUGS IN TEST COCKS.
2. INSTALL BELOW GROUND IN A CARSON BROOKS, AMETEK OR SIMILAR ENCLOSURE. MAY ALSO BE MOUNTED ABOVE GROUND IN A HEATED INSULATED PROTECTIVE ENCLOSURE AT THE RIGHT-OF-WAY.
3. PROVIDE DEVICE CLEARANCES AS FOLLOWS: TOP 24", ENDS 3", BOTTOM AND SIDES 6".
4. DEVICE TO BE TESTED AND APPROVED BY A CERTIFIED TESTER AND A COPY OF THE REPORT PROVIDED TO THE BACKFLOW INSPECTOR, TUALATIN CITY OPERATIONS DEPARTMENT.
5. FLUSH LINE FROM METER BEFORE INSTALLATION OF BACKFLOW ASSEMBLY.



**CITY OF
TUALATIN, OR**

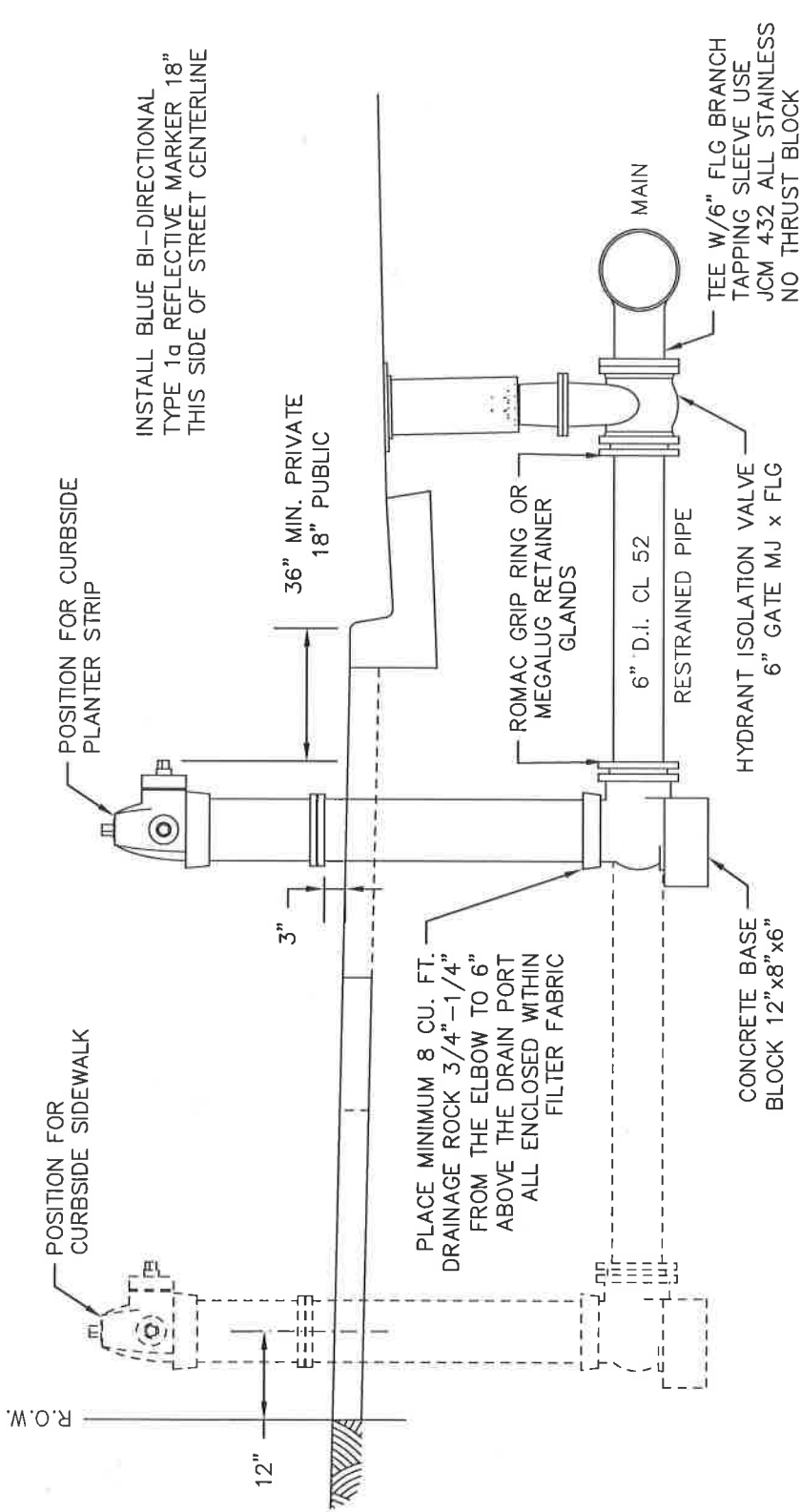
**DOUBLE CHECK
BACKFLOW ASSEMBLY
3/4" THRU 1"**

REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. 609



NOTE:

1. APPLY WATER MAIN'S TEST PRESSURE AGAINST CLOSED MAIN VALVE IN THE HYDRANT AND NOT THROUGH THE HYDRANT.
2. FIRE HYDRANT REQUIREMENTS: WATEROUS PACER WB-67 (WITH 16" UPPER STANDPIPE), CLOW MEDALLION OR F-2500, MUELLER SUPER CENTURION 250, M & H VALVE 929 RELIANT, EAST JORDAN SCD 250, OR KENNEDY K-81; WITH ONE 4-1/2" PUMPER AND TWO 2-1/2" HOSE NOZZLES, SHOE 6" M.J. 5-1/4" VALVE WITH 1" PENTAGON OPERATING NUT. FACTORY POWDER COATED RED, PRIVATE HYDRANTS ARE TO BE YELLOW. REMOVE NOZZLE CAP CHAINS.
3. INSTALL HYDRANT IN ACCORDANCE WITH AWWA MANUAL M17 AND CONFORM TO AWWA C502.
4. PROVIDE HORIZONTAL CLEAR ZONE OF 36" MINIMUM AROUND FIRE HYDRANT.



CITY OF TUALATIN, OR

FIRE HYDRANT ASSEMBLY

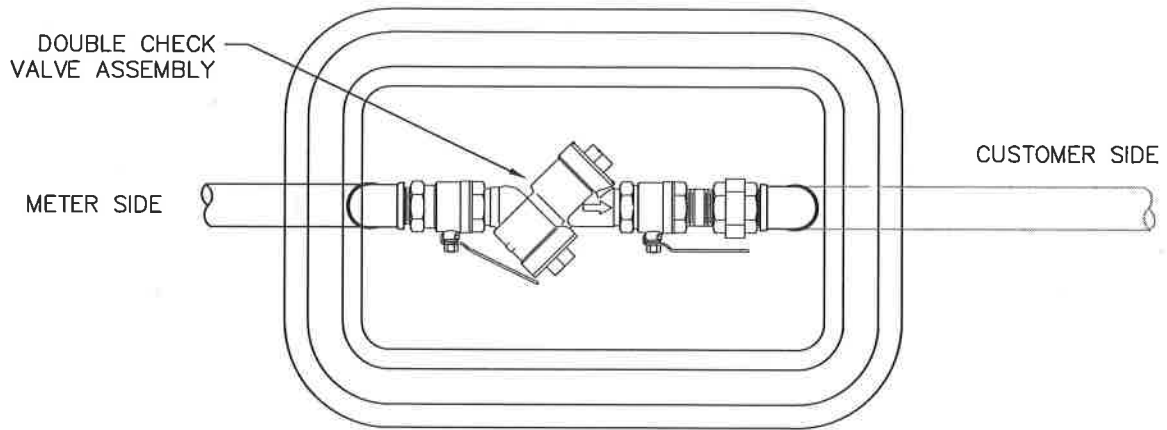
REVISED: 12/2018
VALID: 12/2018

SCALE: 1:25

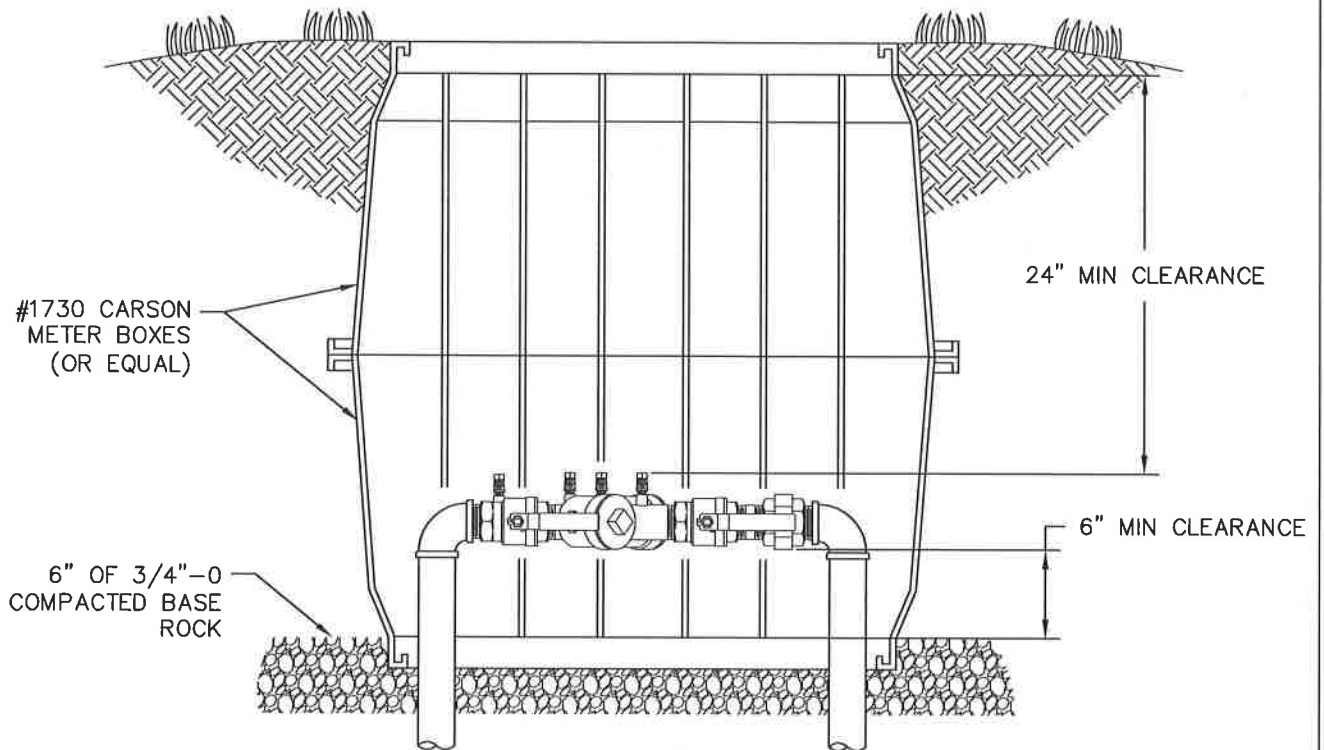
DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. **610**

Exhibit A



PLAN



ELEVATION

NOTES:

1. INSTALL BACKFLOW ASSEMBLY AS APPROVED BY THE OREGON STATE HEALTH DIVISION WITH TWO INTEGRAL BALL VALVES AND INSTALLED WITH UNIONS AT BOTH ENDS AND PLUGS IN TEST COCKS.
2. INSTALL BELOW GROUND IN A CARSON BROOKS, AMETEK OR SIMILAR ENCLOSURE. MAY ALSO BE MOUNTED ABOVE GROUND IN A HEATED INSULATED PROTECTIVE ENCLOSURE AT THE RIGHT-OF-WAY.
3. PROVIDE DEVICE CLEARANCES AS FOLLOWS: TOP 24", ENDS 3", BOTTOM AND SIDES 6".
4. DEVICE TO BE TESTED AND APPROVED BY A CERTIFIED TESTER AND A COPY OF THE REPORT PROVIDED TO THE BACKFLOW INSPECTOR, TUALATIN CITY OPERATIONS DEPARTMENT.
5. FLUSH LINE FROM METER BEFORE INSTALLATION OF BACKFLOW ASSEMBLY.



**CITY OF
TUALATIN, OR**

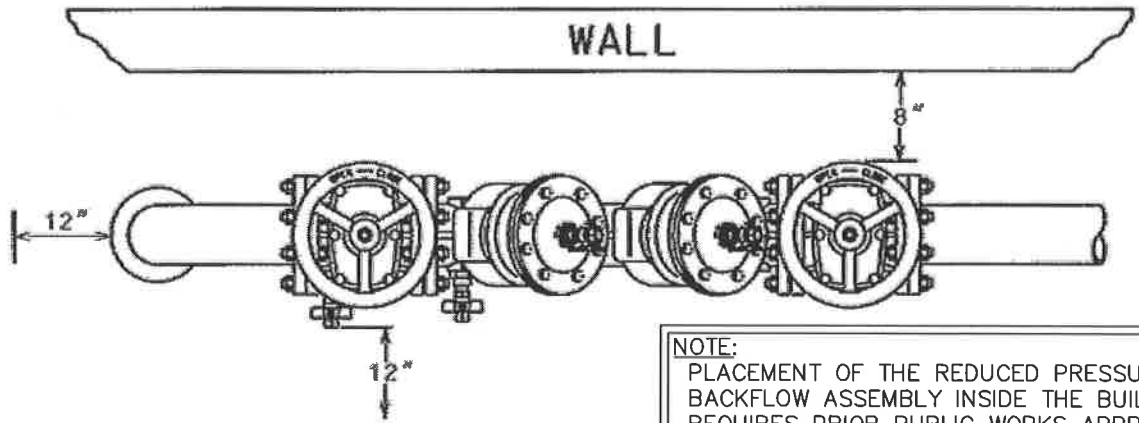
**DOUBLE CHECK
BACKFLOW ASSEMBLY
1-1/2" THRU 2-1/2"**

REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

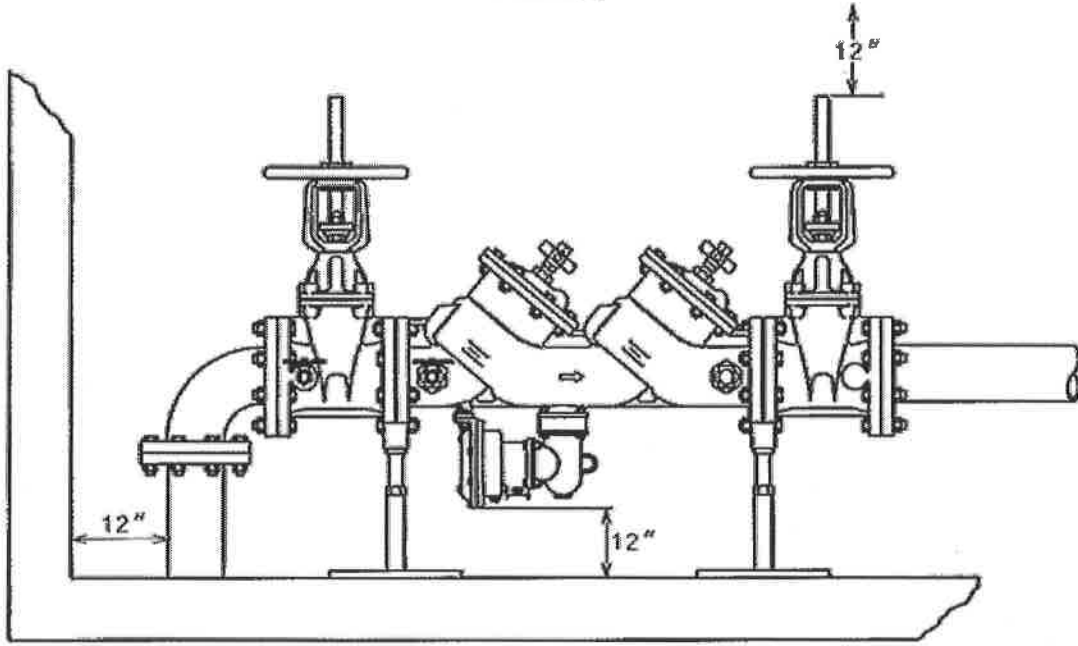
DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. **611**



PLAN

NOTE:
 PLACEMENT OF THE REDUCED PRESSURE
 BACKFLOW ASSEMBLY INSIDE THE BUILDING
 REQUIRES PRIOR PUBLIC WORKS APPROVAL.



ELEVATION

NOTES:

1. BACKFLOW ASSEMBLY TO BE APPROVED BY THE OREGON STATE HEALTH DIVISION AND COMPLY WITH OAR 333-61-070 AND AWWA C511. FLUSH SUPPLY LINE BEFORE INSTALLATION
2. ASSEMBLY SHALL BE MOUNTED ABOVE GROUND IN A BUILDING, WITH FLOOR LEVEL ABOVE THE 100-YEAR FLOOD ELEVATION. PROVIDE ADEQUATE FLOOR DRAIN DISCHARGE TO DAYLIGHT
3. HEATING SHALL BE DESIGNED TO MAINTAIN A MINIMUM AMBIENT TEMPERATURE OF 40°F WITH AN OUTSIDE TEMPERATURE OF -10°F AND WIND SPEED OF 20 MPH
4. CLEARANCES SHOWN ARE MINIMUM.
5. ELECTRICAL EQUIPMENT AND INSTALLATION SHALL MEET ALL RELEVANT CODES
6. PROVIDE CERTIFIED TEST REPORT UPON COMPLETION TO INSPECTOR


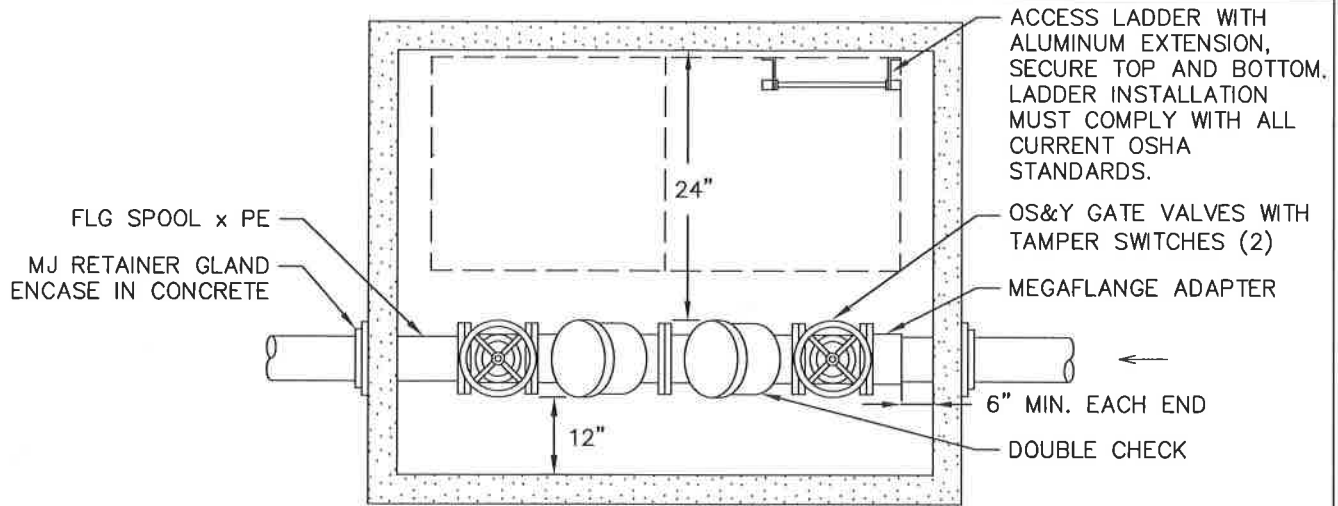
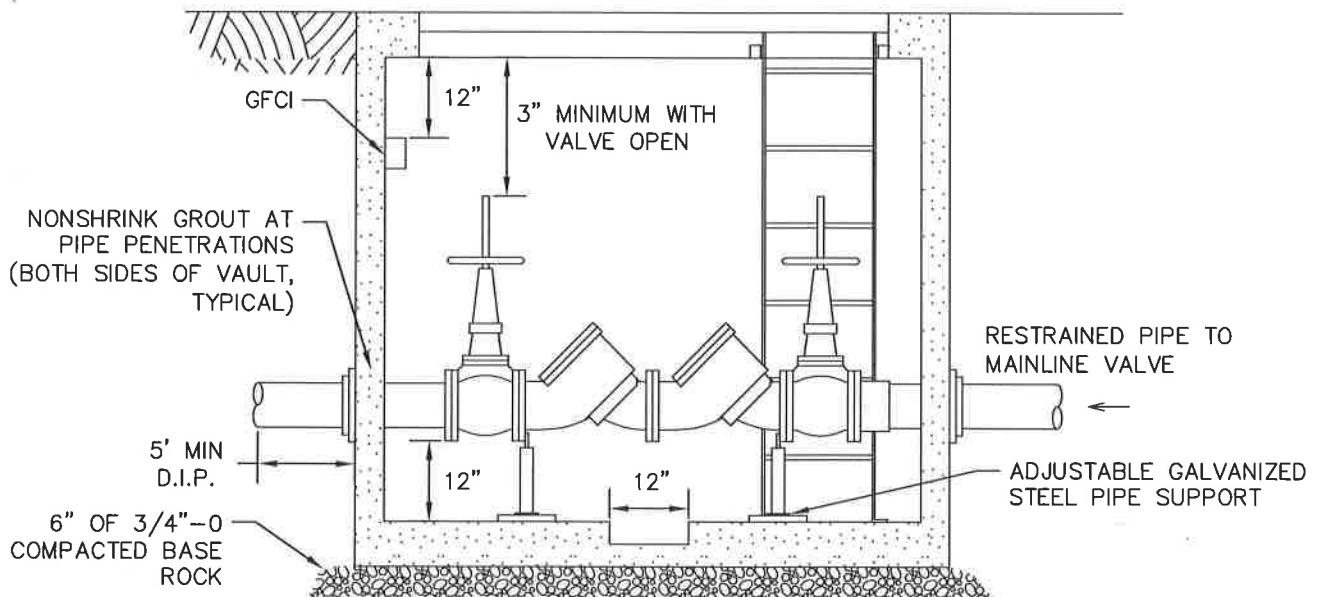
 CITY OF TUALATIN, OR	REDUCED PRESSURE BACKFLOW ASSEMBLY 2 1/2" THRU 10"	
	REVISED: 12/2018 VALID: 12/2018	SCALE: NOT TO SCALE
		DWG NO. 612

Exhibit A



PLAN



ELEVATION

NOTES:

1. USE DUCTILE IRON PIPE THROUGH AND 5' BEYOND VAULT ON PRIVATE SIDE DUE TO VAULT SETTLEMENT. NO PIPE BELL ENDS INSIDE VAULT.
2. INSTALL PLUGS IN TEST COCKS.
3. ASSEMBLY MAY ALSO BE MOUNTED ABOVE GROUND IN AN INSULATED PROTECTIVE ENCLOSURE AT THE RIGHT-OF-WAY.
4. CHECK VAULT FLOTATION AND CORRECT IF NECESSARY.
5. BACKFLOW ASSEMBLY AND INSTALLATION TO COMPLY WITH AWWA C510 AND OAR 333-61-070.
6. PROVIDE SUMP PUMP WITH DIAPHRAGM OR VERTICAL FLOAT SWITCH AND 2" PVC CHECK VALVE AND PIPE DISCHARGE TO DAYLIGHT. SUPPLY POWER THRU GFCI INTERNAL WALL MOUNT 12" BELOW CEILING.
7. PROVIDE INSPECTOR WITH CERTIFIED TEST REPORT UPON COMPLETION.

PIPE SIZE	OLDCASTLE	COVER OFFSET
3"	577-LA	2-332P
4"	687-WA	2-332P
6"	687-WA	2-332P
8"	5106-WA	3-332P
10"	5106-WA	3-332P



CITY OF TUALATIN, OR

DOUBLE CHECK BACKFLOW ASSEMBLY 3" THRU 10"

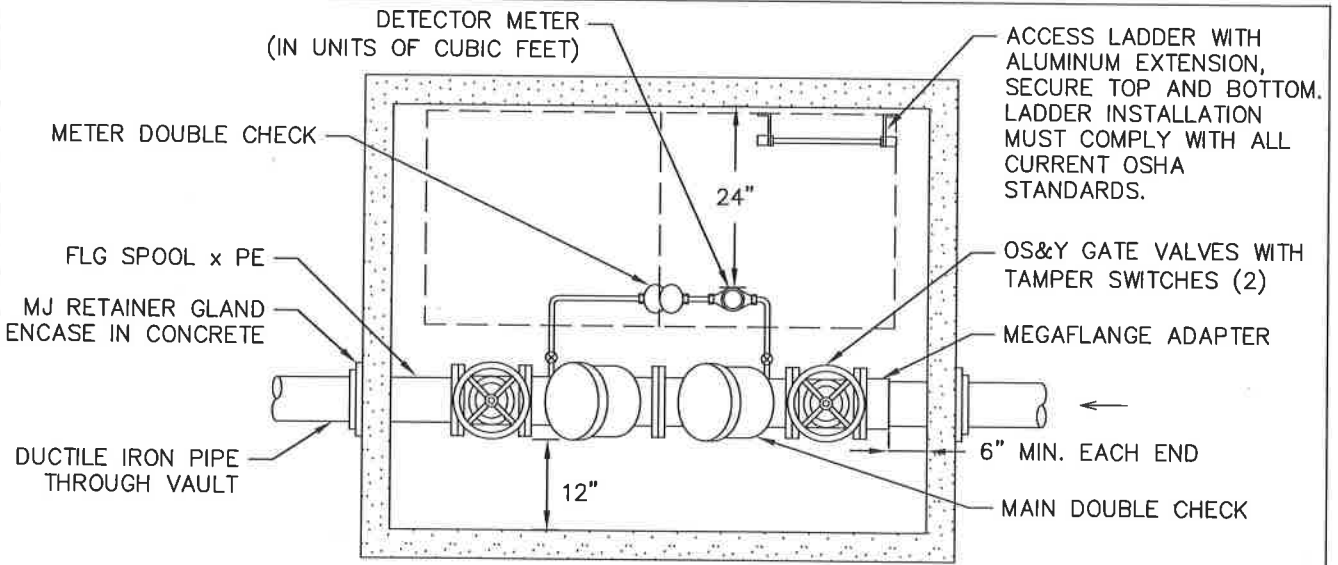
REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

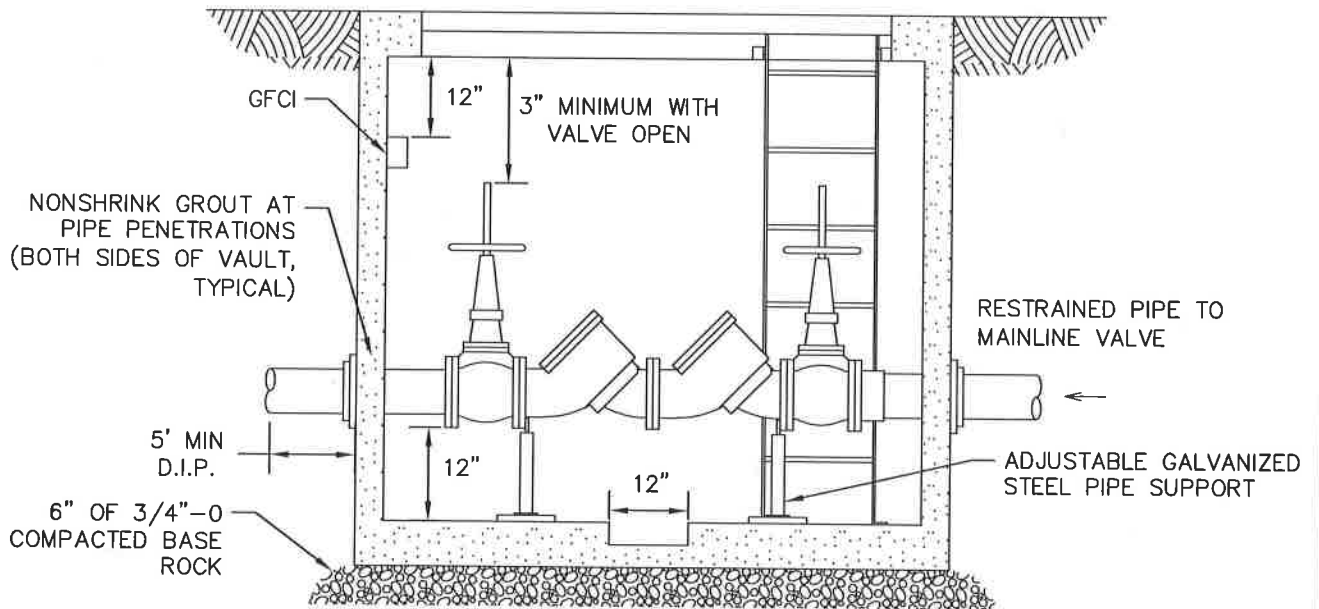
DRAWN: C. FERGESON
APPROVED: K.MCMILLAN

DWG NO. **613**

Exhibit A



PLAN



ELEVATION

NOTES:

1. USE DUCTILE IRON PIPE THROUGH AND 5' BEYOND VAULT ON PRIVATE SIDE DUE TO VAULT SETTLEMENT. NO PIPE BELL ENDS INSIDE VAULT.
2. INSTALL PLUGS IN TEST COCKS.
3. ASSEMBLY MAY ALSO BE MOUNTED ABOVE GROUND IN AN INSULATED PROTECTIVE ENCLOSURE AT THE RIGHT-OF-WAY.
4. CHECK VAULT FLOTATION AND CORRECT IF NECESSARY.
5. BACKFLOW ASSEMBLY AND INSTALLATION TO COMPLY WITH AWWA C510 AND OAR 333-61-070.
6. PROVIDE SUMP PUMP WITH DIAPHRAGM OR VERTICAL FLOAT SWITCH AND 2" PVC CHECK VALVE AND PIPE DISCHARGE TO DAYLIGHT. SUPPLY POWER THRU GFCI INTERNAL WALL MOUNT 12" BELOW CEILING.
7. PROVIDE INSPECTOR WITH CERTIFIED TEST REPORT UPON COMPLETION.

PIPE SIZE	OLDCASTLE	COVER OFFSET
4"	687-WA	2-332P
6"	687-WA	2-332P
8"	5106-WA	3-332P
10"	5106-WA	3-332P



CITY OF TUALATIN, OR

**DOUBLE CHECK DETECTOR
FIRE PROTECTION
WITHOUT FDC**

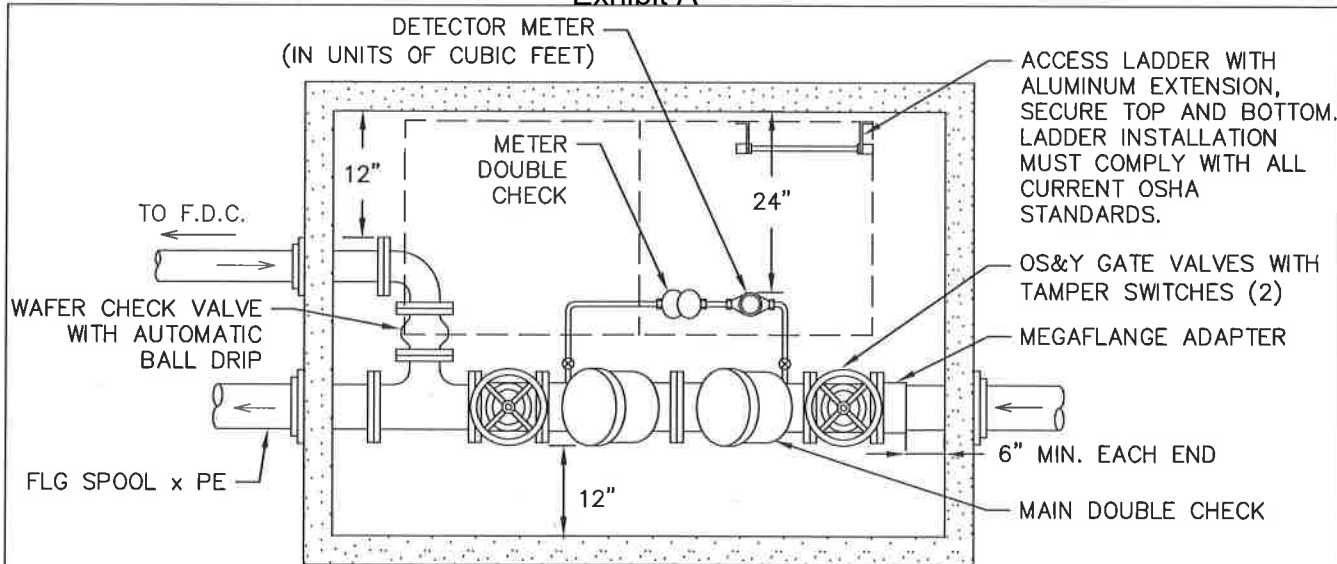
REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

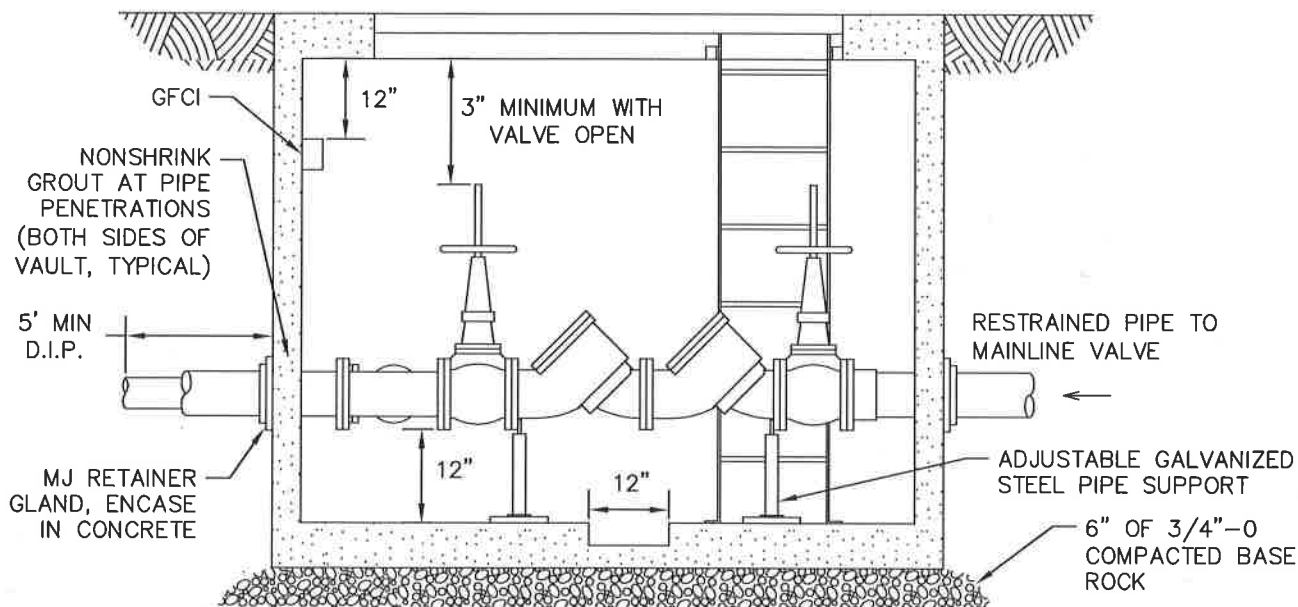
DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. **614**

Exhibit A



PLAN



ELEVATION

NOTES:

1. USE DUCTILE IRON PIPE THROUGH AND 5' BEYOND VAULT ON PRIVATE SIDE DUE TO VAULT SETTLEMENT. NO PIPE BELL ENDS INSIDE VAULT.
2. INSTALL PLUGS IN TEST COCKS.
3. ASSEMBLY MAY ALSO BE MOUNTED ABOVE GROUND IN AN INSULATED PROTECTIVE ENCLOSURE AT THE RIGHT-OF-WAY.
4. CHECK VAULT FLOTATION AND CORRECT IF NECESSARY.
5. BACKFLOW ASSEMBLY AND INSTALLATION TO COMPLY WITH AWWA C510 AND OAR 333-61-070.
6. PROVIDE SUMP PUMP WITH DIAPHRAGM OR VERTICAL FLOAT SWITCH AND 2" PVC CHECK VALVE AND PIPE DISCHARGE TO DAYLIGHT. SUPPLY POWER THRU GFCI INTERNAL WALL MOUNT 12" BELOW CEILING.
7. PROVIDE INSPECTOR WITH CERTIFIED TEST REPORT UPON COMPLETION.

PIPE SIZE	OLDCASTLE	COVER OFFSET
4"	687-WA	2-332P
6"	687-WA	2-332P
8"	5106-WA	3-332P
10"	5106-WA	3-332P



CITY OF TUALATIN, OR

**DOUBLE CHECK DETECTOR
FIRE PROTECTION
WITH FDC CONNECTION**

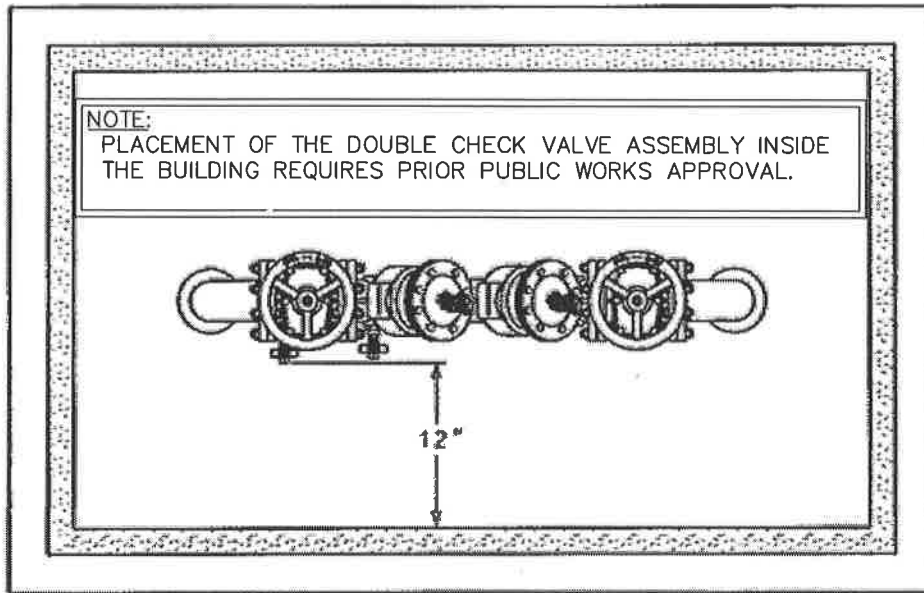
REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

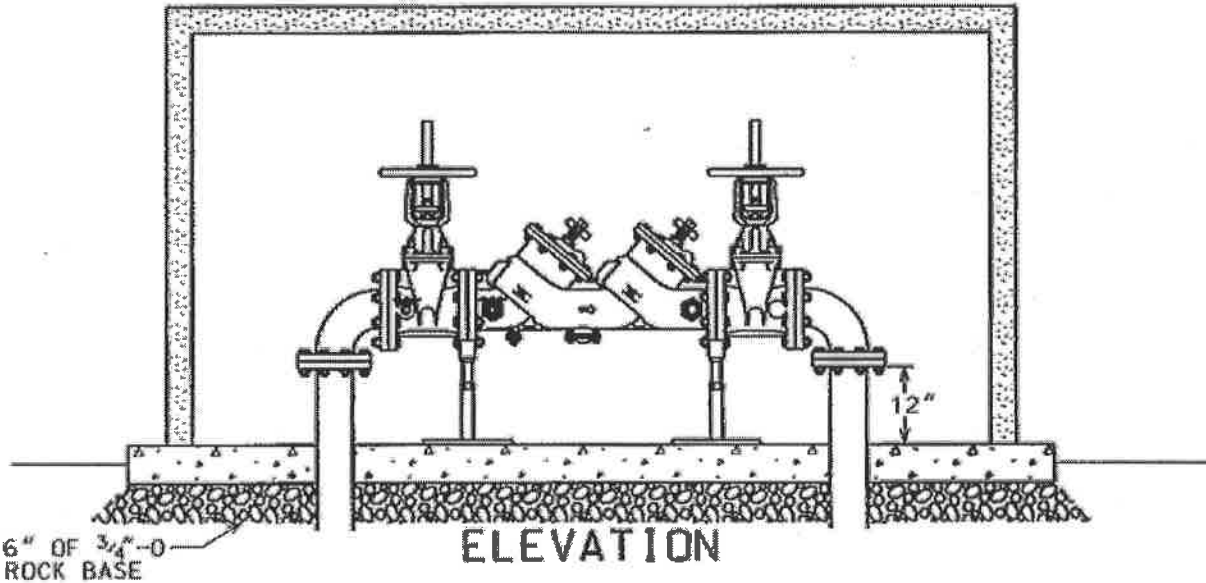
DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. **615**

Exhibit A



PLAN



NOTES:

1. BACKFLOW ASSEMBLY TO BE APPROVED BY THE OREGON STATE HEALTH DIVISION AND COMPLY WITH DAR 333-61-070 AND AWWA C511. FLUSH SUPPLY LINE BEFORE INSTALLATION
2. ASSEMBLY SHALL BE MOUNTED ABOVE GROUND IN A HEATED, INSULATED AND PROTECTIVE ALUMINUM ENCLOSURE (HOT BOX OR SIMILAR) OR BUILDING, WITH FLOOR LEVEL ABOVE THE 100-YEAR FLOOD ELEVATION. PROVIDE ADEQUATE FLOOR DRAIN DISCHARGE TO DAYLIGHT
3. HEATING SHALL BE DESIGNED TO MAINTAIN A MINIMUM AMBIENT TEMPERATURE OF 40°F WITH AN OUTSIDE TEMPERATURE OF -10°F AND WIND SPEED OF 20 MPH
4. CLEARANCES SHOWN ARE MINIMUM. PROVIDE RESTRAINED PIPING SYSTEM THRU ENCLOSURE
5. ELECTRICAL EQUIPMENT AND INSTALLATION SHALL MEET ALL RELEVANT CODES
6. PROVIDE CERTIFIED TEST REPORT UPON COMPLETION TO INSPECTOR



**CITY OF
TUALATIN, OR**

**DOUBLE CHECK VALVE
ASSEMBLY INSIDE BLDG.
3/4" THRU 2"**

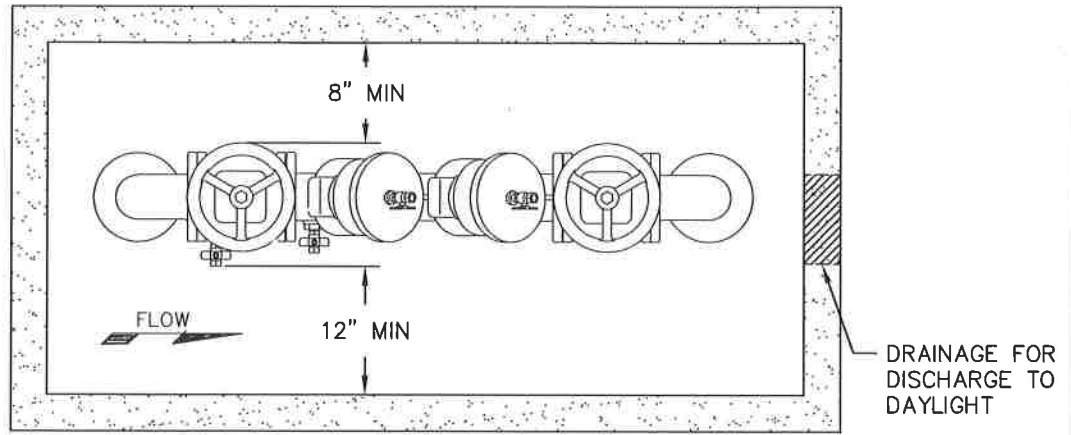
REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

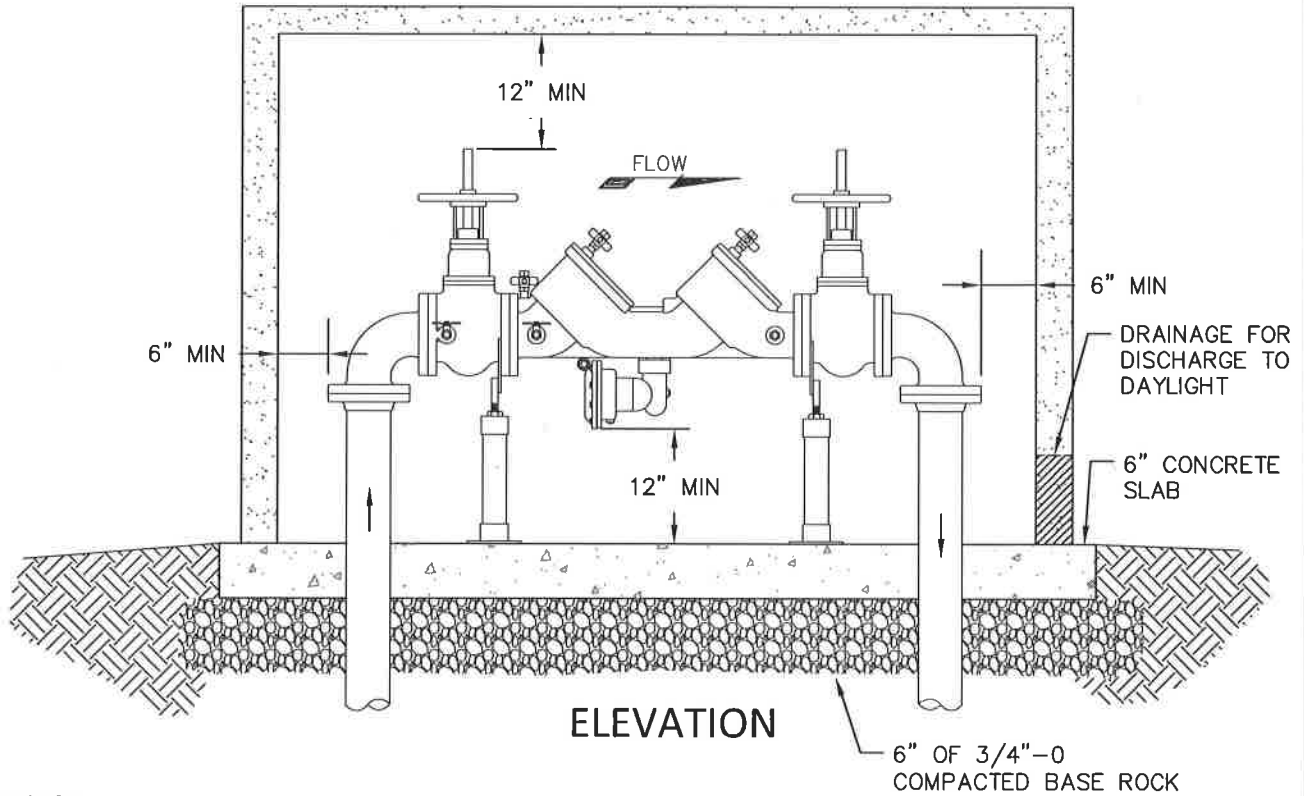
DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. 616

Exhibit A



PLAN



ELEVATION

NOTES:

1. COMPLY WITH OAR 333-61-070 AND AWWA C511, WHICH REQUIRES BACKFLOW ASSEMBLY TO BE APPROVED BY THE OREGON STATE HEALTH DIVISION. FLUSH SUPPLY LINE BEFORE INSTALLATION.
2. MOUNT ASSEMBLY ABOVE GROUND IN A HEATED, INSULATED AND PROTECTIVE ENCLOSURE (HOT BOX OR SIMILAR) AT THE RIGHT-OF-WAY IN A LOCATION APPROVED BY CITY OF TUALATIN.
3. PLACE FLOOR LEVEL ABOVE THE 100-YEAR FLOOD ELEVATION WITH ADEQUATE DRAINAGE FOR DISCHARGE TO DAYLIGHT CAPABLE OF DRAINING A FULL RELIEF VALVE DISCHARGE, SIZED PER AWWA STANDARDS.
4. DESIGNED HEATING TO MAINTAIN A MINIMUM AMBIENT TEMPERATURE OF 40°F WITH AN OUTSIDE TEMPERATURE OF -10°F AND WIND SPEED OF 20 MPH.
5. CLEARANCES SHOWN ARE MINIMUM.
6. WALL MOUNT ALL ELECTRICAL EQUIPMENT TO MEET ALL RELEVANT CODES FOR ELECTRICAL EQUIPMENT AND INSTALLATION.
7. PROVIDE INSPECTOR WITH CERTIFIED TEST REPORT UPON COMPLETION.



**CITY OF
TUALATIN, OR**

**REDUCED PRESSURE
BACKFLOW ASSEMBLY
2-1/2" THRU 10"**

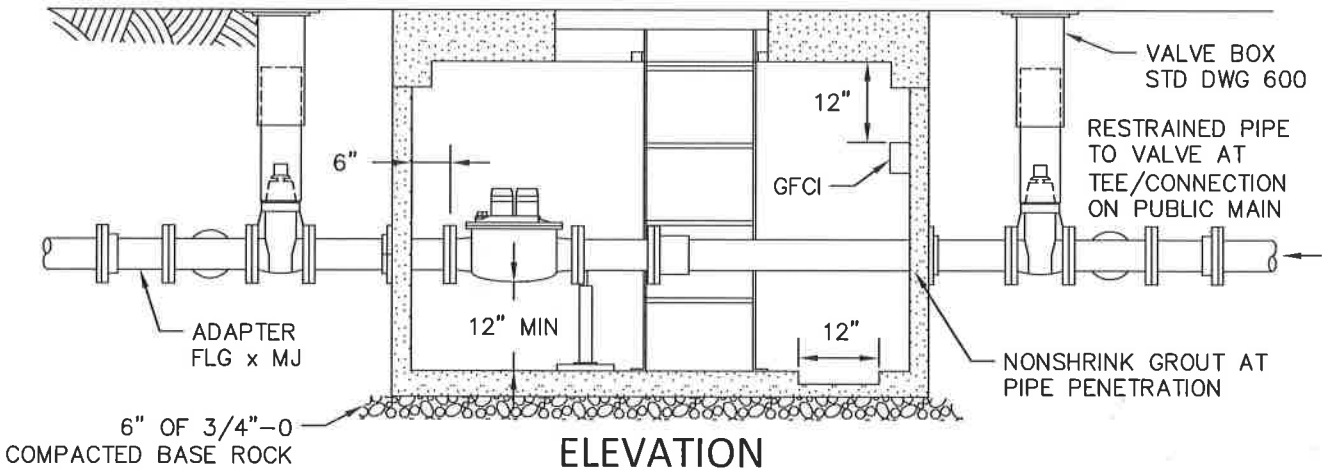
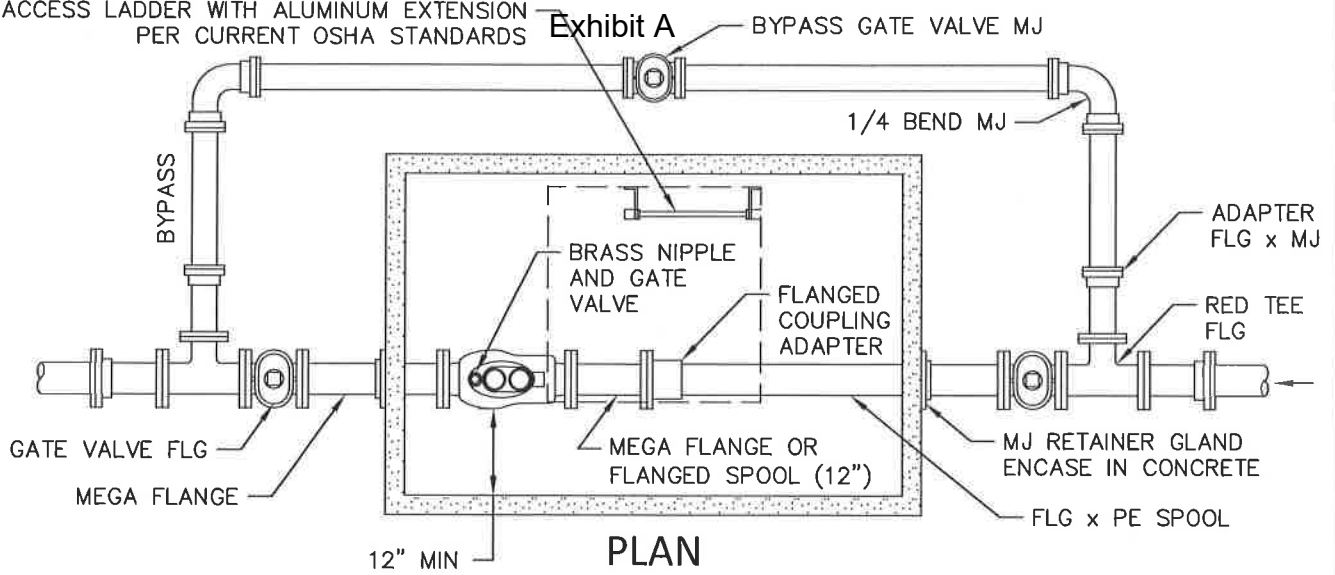
REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. **617**

ACCESS LADDER WITH ALUMINUM EXTENSION
PER CURRENT OSHA STANDARDS



METER SIZE	OLD CASTLE	COVER	BY-PASS DIAMETER	MAX. CONTINUOUS FLOW RATE GPM	METER LENGTH
3"	577-LA	2-332P	3"	320	17"
4"	687-WA	2-332P	3"	500	20"
6"	687-WA	2-332P	4"	1000	24"
8"	5106-WA	3-332P	6"	1600	55-3/8"

NOTES:

1. USE DUCTILE IRON PIPE CL 52 THROUGH VAULT AND BYPASS
2. SENSUS OMNI METER COMPLYING WITH AWWA C702 READING IN 100 CUBIC FEET AND INCORPORATING A SENSUS OMNI ENCODER WITH EACH PIT RECEPTACLE FASTENED TO THE VAULT TOP WITH TWO S.S. ANCHOR BOLTS, LABEL S AND L. ELECTRICAL WIRING FED THROUGH HOLES DRILLED IN CONCRETE TOP AND NEATLY SPIRAL WRAP PROTECTED AND TIED. PROVIDE CERTIFIED TEST FOR METER AND ENCODER BEFORE ACCEPTANCE.
3. PROVIDE MANUFACTURED ADJUSTABLE GALVANIZED STEEL SUPPORT AT INLET END OF METER
4. USE APPROVED RETAINER GLANDS WITH MJ FITTINGS. USE NO THRUST BLOCKS OR RODS.
5. CHECK VAULT FLOTATION AND CORRECT IF NECESSARY
6. PROVIDE SUMP PUMP WITH DIAPHRAGM OR VERTICAL FLOAT SWITCH AND 2" PVC CHECK VALVE AND PIPE DISCHARGE TO DAYLIGHT. SUPPLY POWER THRU GFCI INTERNAL WALL MOUNT 12" BELOW CEILING.



**CITY OF
TUALATIN, OR**

**WATER SERVICE
3" AND LARGER METER
COMPOUND TYPE**

REVISED: 12/2018
VALID: 12/2018

SCALE: NOT TO SCALE

DRAWN: C. FERGESON
APPROVED: K. MCMILLAN

DWG NO. **634**