



**City of Patterson**  
 1 PLAZA  
 PO Box 667  
 Patterson, CA 95363  
 (209) 895-8030  
 buildingclerk@pattersonca.gov

Office Use Only

**ApplicationDate:** \_\_\_\_\_

**Customer#** \_\_\_\_\_

**PERMIT #** \_\_\_\_\_

WMP to P.W. \_\_\_\_\_

**APPLICATION FOR BACKFLOW PERMIT**

**Project Valuation:** \$ \_\_\_\_\_

**Building Type:**     Commercial     Industrial     Residential     Other: \_\_\_\_\_

Description of Work: \_\_\_\_\_

Address of Work: \_\_\_\_\_ Patterson, CA 95363

Is Property in a SFHA (Special Flood Hazard Area)? \_\_\_\_\_

Property Owner: \_\_\_\_\_ **APN:** \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_ Email: \_\_\_\_\_

Primary Contractor: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_ Contractor Lic #: \_\_\_\_\_ Local Lic# \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_ Email: \_\_\_\_\_

Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Applicant Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Project Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Print Name and Title

Fax: \_\_\_\_\_ Email: \_\_\_\_\_

**PLEASE REVIEW THE FOLLOWING ITEMS PRIOR TO SUBMITTING APPLICATION**

1. **Residential Projects:** 3 sets of plans, 2 sets of all supporting documents (i.e. Structural Calcs, Energy Calcs, Truss Calcs, etc.) and an electronic set of the plans and supporting documents (USB or shareable link) are required.
2. **Commercial Projects:** 3 sets of plans, 2 sets of all supporting documents (i.e. Structural Calcs, Energy Calcs, Truss Calcs, etc.) and an electronic set of the plans and supporting documents (USB or shareable link) are required.
3. A plan check fee may be required with this application.
4. This application, in which no permit is issued, will expire in 6 months from today's (submittal) date.
5. If this building is intended to be licensed by Department of Health Services (i.e. OSHPD3) you are required to submit concurrently to OSHPD for their review and approval.
6. No inspection will be performed prior to issuance of the Building Permit.

APPLICANT SIGNATURE

DATE

\_\_\_\_\_

**LICENSED CONTRACTOR DECLARATION**

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and that my contractor's license is in full force and effect and that all of the information provided by me regarding this is true and correct. I also affirm under penalty of perjury that my Worker's Compensation Declaration or Certificate of Exemption from Worker's Compensation Insurance and lend agency information are true and correct.

Signed \_\_\_\_\_ Dated \_\_\_\_\_

Print Name of Signer \_\_\_\_\_

License# \_\_\_\_\_ License Class \_\_\_\_\_

**WORKER' S COMPENSATION DECLARATIONS**

I hereby affirm that I have a certificate of self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3000, Lab. C).

Policy# \_\_\_\_\_ Company \_\_\_\_\_

Certified copy is hereby furnished

Certified copy is filled with the building inspection department of the City of Patterson

Applicant Signature \_\_\_\_\_ Dated \_\_\_\_\_

**OWNER- BUILDER DECLARATION**

I hereby affirm under penalty of perjury that I am exempt from provisions of the Contractor's License Law (Chapter 9 of Division 3 of the Business and Profession Code) because: (check applicable statement)

- A. I am the owner of the above property and I will contract to have all of the work performed by licensed contractors.
- B. I am the owner of the property and the work will be partially accomplished in accordance with Statement "A" and the other work will be accomplished in accordance with Statement "C".
- C. I am the owner of the above property and I will perform all the above work personally or through my employees whose sole compensation will be wages, and the above described structure is not intended or offered for sale.

Applicant Signature \_\_\_\_\_ Dated \_\_\_\_\_

Print Name of Signer \_\_\_\_\_

**CERTIFICATE OF EXEMPTION FROM WORKER' S COMPENSATION INSURANCE**

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature \_\_\_\_\_ Dated \_\_\_\_\_

**NOTICE TO APPLICANT:** If after making this Certificate of Exemption you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

**CONSTRUCTION LENDING AGENCY**

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Cir. C).

Lender's Name \_\_\_\_\_

Lender's Address \_\_\_\_\_

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE INFORMATION IS CORRECT. I AGREE TO COMPLY WITH ALL CITY AND COUNTY ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION, AND HEREBY AUTHORIZE REPRESENTATIVES OF THIS CITY TO ENTER THE MENTIONED PROPERTY FOR INSPECTION PURPOSES.

Applicant or Agent Signature \_\_\_\_\_ Date: \_\_\_\_\_



City of Patterson  
Public Works Department  
1 Plaza, P.O. Box 667  
Patterson, CA 95363

# Encroachment/Trench Cut Permit

On-site Private Septic Tank Destruction - **STOP**, contact Stanislaus County Environmental Resources at (209) 525-6700 for Permit.  
**PLEASE CALL (209) 895-8060 THREE (3) WORKING DAYS BEFORE START OF CONSTRUCTION ACTIVITIES FOR A PRE-INSPECTION & AT COMPLETION OF PROJECT FOR A FINAL INSPECTION**

Phone: (209) 895-8060  
Fax: (209) 895-8069  
E-mail: publicworks@ci.patterson.ca.us  
**Form Updated: 11/15/23**  
Page 1

Application Date  Permit #  Expiration Date

Description of Work:

Job Location:

PROJECT SIZE: \_\_\_\_\_ SQ. FT. \_\_\_\_\_ ACRE(S) WILL THE ACTIVITIES BEING PERFORMED DISTURB SOIL?:  Yes  No

IS THIS A NEW DEVELOPMENT PROJECT? IF SO, WAS A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SUBMITTED TO THE CITY?  Yes  No

IF A SWPPP PLAN WAS COMPLETED, PLEASE PROVIDE WDDID#: \_\_\_\_\_ NAME OF LEGAL RESPONSIBLE PERSON(LRP): \_\_\_\_\_

**\*NOTE: EROSION & SEDIMENT CONTROL PLANS (ESCP) ARE REQUIRED BY STATE / LOCAL STORMWATER REGULATIONS AND IT APPLIES ONLY TO PROJECTS THAT DISTURB SOIL AND GO THROUGH PLAN CHECK/PERMIT PROCESS. THIS DOES NOT APPLY TO MAINTENANCE PROJECTS. \*\*Fees subject to Change.**

<b>Permit Type:</b>	<b>Permit Purpose:</b>	<input type="checkbox"/> Install	<input type="checkbox"/> Repair	<input type="checkbox"/> Replace	<input type="checkbox"/> All in One Permit Fee \$169.00 (Includes Fire Hydrant Use Permit if needed)
	<input type="checkbox"/> Curb Cut, Excavation, Trench <input type="checkbox"/> Driveway Approach/Side-walk Construction <input type="checkbox"/> Install/Remove Monitoring Well <input type="checkbox"/> Private Well <input type="checkbox"/> Destruction	<input type="checkbox"/> Utility Connection (Water, Sewer, Storm) New Development <input type="checkbox"/> Construction/Remodel <input type="checkbox"/> Install Groundwater Well How Many: _____	<input type="checkbox"/> Street Cut/Excavation/Trench* <input type="checkbox"/> Street Painting <input type="checkbox"/> Swimming Pool Other List Here: _____	<input type="checkbox"/> Tree Work <input type="checkbox"/> Construction/Demolition Project <input type="checkbox"/> Other (Write in Below)	<input type="checkbox"/> Additional Inspections for Encroachment \$233.00 [One (1) hour minimum] Double Fee (Work done without Permit) <input type="checkbox"/> <b>OFFICE USE ONLY</b> * If trench is selected, please include a trench plan and fees will be calculated.

**Trench Cut Fee (Based on PCI)** **FOR OFFICE USE ONLY**  
 Trench Cut in Street (Ordinance No. 840) \*Please only enter the name of the street and segment.  
 A copy of the City's PCI (Pavement Condition Index) Listing, can be located on the City's website at [www.ci.patterson.ca.us](http://www.ci.patterson.ca.us) along with the Trench Cut Detail/Standards.

Street Name _____	Street Name _____	Street Name _____
Street Segment _____	Street Segment _____	Street Segment _____
PCI Classification _____	PCI Classification _____	PCI Classification _____

Any questions or disputes regarding Trench Cut shall be addressed and resolved with the City Engineer. The City will require Warranty on all trench cut work.

<input type="checkbox"/> (0-49) PCI \$0 Sq. Ft.	Length of Area _____	Width of Area _____	Total Sq. Ft. _____
<input type="checkbox"/> (50-69) PCI \$5.25 Sq. Ft.	Length of Area _____	Width of Area _____	Total Sq. Ft. _____
<input type="checkbox"/> (70-100) PCI \$7.30 Sq. Ft.	Length of Area _____	Width of Area _____	Total Sq. Ft. _____

Job Location \_\_\_\_\_ Work Scheduled to Begin \_\_\_\_\_ and Completed by \_\_\_\_\_

Property Owner/Utility Company Name: \_\_\_\_\_ Contact Person \_\_\_\_\_

Phone/Cell: \_\_\_\_\_ E-mail: \_\_\_\_\_

Property Owner/Utility Company Address: \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Contractor's Name \_\_\_\_\_ Contact Person: \_\_\_\_\_

Contractor's Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone/Cell: \_\_\_\_\_ E-mail: \_\_\_\_\_

City Business License # \_\_\_\_\_ State Contractor Licence: \_\_\_\_\_ Class \_\_\_\_\_

**SUBCONTRACTOR'S LIST (SUBS MUST HAVE A CITY BUSINESS LICENSE & BE LISTED ON INSURANCE)**

No.	Name	Address	Work to be Performed for General Contractor	City Business License #	Contractor's State License & Class
1.					
2.					
3.					
4.					
5.					



City of Patterson  
Public Works Department  
1 Plaza, P.O. Box 667  
Patterson, CA 95363

## Encroachment/Trench Cut Permit Applicant's Agreement (PLEASE REVIEW AND SIGN BELOW)

Phone: (209) 895-8060  
Fax: (209) 895-8069  
E-mail: publicworks@ci.patterson.ca.us  
Form Updated: 5/6/20  
Page 2

The Contractor or property owner/developer is required to submit to the City a certificate of liability insurance with at least 2,000,000 in coverage (per occurrence) and an Endorsement to the policy naming the City of Patterson and all subcontractors listed on this application (including its officers, agents, and employees) as additional insured. An ISO Form CG 20 10 and/or CG 20 37 (Completed Operations) is **REQUIRED** along with the certificate, including the "**Waiver of Subrogation**" Endorsement in favor of the City for General Liability, Workers Compensation, and Auto Liability. In addition to the insurance requirement, the contract must post a bond with the City of Patterson if monitoring wells are being installed in the City right-of-way. The bonds must be valid for the time that the monitoring wells are in service. The permit processing fee is non-refundable. Any work done without prior approval and/or permit will be subject to a double fee.

The applicant shall prepare traffic control plans and follow traffic control procedures in accordance with the CalTrans Manual for projects, which require work in public right-of-ways. The applicant further agrees that he or she shall take all necessary safety precautions reasonably required in performing any work pursuant to any permit granted by the City of Patterson, and specifically agrees to comply with any and all safety standards and rules that have been established by the State of California or the Federal Government.

The applicant further agrees that in consideration of the granting of any permit issued pursuant to this application that he shall indemnify and hold the City of Patterson harmless from any and all liability for damages resulting from the negligence of the applicant, its agents, employees, subcontractors, or assigns, including damages, fees of attorneys, and other expenses which the City of Patterson may sustain or incur as a consequence of the negligence of the applicant, its agents, employees, subcontractors or assigns.

The applicant agrees to comply with all Stormwater Regulations (Federal/State/Local) and will submit an Erosion & Sediment Control Plan (ESCP) and/or Stormwater Pollution Prevention Plan (SWPPP) if applicable and comply with the plan submitted for their project. Applicant also understands and agrees that Best Management Practices (BMPs) will be used during the duration of the project and understand and grants authorization to the City to monitor, inspect, and enforce stormwater regulations during the duration of the project. **The applicant will make sure to contact Public Works at (209) 895-8060 three (3) days prior to start of project to schedule a pre-inspection and again at once project is complete to schedule a post-inspection and close-out of permit.** (City Ordinance No. 777).

The permit is only valid for the party, contractor's and sub contractors named in this permit and for the specific scope of work and job location listed above. Applicant must contact the Patterson Building Department at (209) 895-8030 to obtain the appropriate permit(s) for any work on private property. This permit is valid for 30 days from the date of Public Works approval, unless otherwise noted. Work may commence until all conditions of approval have been satisfied.

Inspections by Public Works staff will be billed at the corresponding fee per inspection and require a 24-hour notice. The cost for any inspections by the City's Engineer will be billed to the applicant and require a 48-hour notice. **Any jobs that encroach on City streets, including partial blockage or closure of streets, will require a traffic control plan and a designated date work will begin.** A pre-inspection walk thru is scheduled with the general contractor and the Public Works Inspector prior to work beginning. A "final" inspection walk thru needs to be scheduled when the project is completed and for closure of this permit. To schedule an inspection or for any questions, please contact Public Works at (209) 895-8060.

**Preservation of Survey Monument**

Contractor shall be responsible for identifying and preserving any and all existing Monuments or Survey Points (Apparent or Buried) which control Subdivisions, tracts, streets or highways, or Geodetic Control and/or Published Elevation Control. If monuments are inadvertently distributed by the contractor, the contractor is responsible for all costs of replacement and resetting the monument including survey costs. If monuments are to be disturbed, the contractor shall provide a minimum of 10 working days notice to the project Engineer or Land Surveyor prior to the disturbance or removal of any existing monuments (Apparent or Buried).

If a monument is to be disturbed the Contractor shall coordinate with the project Engineer or Land Surveyor to have a minimum of four ties to survey points, (set iron pipes, 5/8ths rebar or durable marker), a copy of the field notes showing the ties and a Corner Record shall be filed with the County Surveyor's Office, (Business and profession Codes 8771). Monuments requiring replacement or resetting shall be of acceptable type and quality as directed by the Engineer. They shall be placed by a Surveyor registered in the State of California in a manner consistent with good and recognized engineering and surveying practices and in accordance with City's standard drawings, and the State of California regulations, and a Corner Record shall be filed for the replaced monument, (Business and profession Codes 8771).

**Trench Cut/Excavations** (City Ordinance No. 840)

If a trench cut/excavation is being made in the City street, the City will require the Utility Company, Applicant/Contractor to repair and restore the trench influence area of all trenches in compliance with the City standards. By signing this agreement, it provides the City with a one-year warranty (warranty inspection to be completed by the City ten (10) months after final inspection) for the trench influence area. The Utility Company, Applicant/Contractor also agree to work with the City to address any deteriorated pavement upon written notice from the City, unless they can demonstrate the pavement damages are unrelated to the trench cut/excavation. If the Contractor and/or Utility Company/Applicant and/or Beneficiary fails to address any issues found during the warranty inspection, the City reserves the right to HOLD or issue any future business license(s) and/or permits to the Contractor/Utility Company or Beneficiary/Applicant. Any disputes regarding the PCI must be referred to the City Engineer or his Designee. To obtain a copy of the Trench Cut Details/Standards or for any additional information, please visit the City's website at [www.ci.patterson.ca.us](http://www.ci.patterson.ca.us)

**\*\*NOTE:** Per Section 12.06.090 "Moratorium," excavation of newly renovated public rights-of-way is prohibited for three (3) years after filing a Notice of Completion or acceptance of a new street or structural overlay of an entire street, unless it meets the exceptions outlined under this municipal code section. For further information regarding moratorium, please contact Engineering at (209) 895-8073.

By signing this agreement the property owner and contractor are also agreeing to all these requirements, terms & conditions of this page and **Page 3** of this application.

\_\_\_\_\_  
Signature of Property Owner

\_\_\_\_\_  
Name Printed

\_\_\_\_\_  
Today's Date

\_\_\_\_\_  
Signature of Contractor

\_\_\_\_\_  
Name & Title Printed

\_\_\_\_\_  
Today's Date

**Trench Cut Permits Only:** By signing this agreement, the Utility Company and/or Beneficiary of this permit agrees to work with the City on any trench cut repairs/ issues or disputes to the Satisfaction of the City that arise from any work completed by its contractor(s), sub contractor(s), or employee(s) assigned to this project. This section must be signed.

\_\_\_\_\_  
Signature of Utility Company Representative

\_\_\_\_\_  
Name Printed & Title

\_\_\_\_\_  
Today's Date



City of Patterson  
 Public Works Department  
 1 Plaza, P.O. Box 667  
 Patterson, CA 95363

**Encroachment & Trench Cut Permit**  
**CONDITIONS OF CITY APPROVAL**  
**(To be Completed by City Personnel)**

Phone: (209) 895-8060  
 Fax: (209) 895-8069  
 E-mail: publicworks@ci.patterson.ca.us  
 Form Updated: 5/6/20  
 Page 3

1. Call Underground Service Alert (U.S.A.) at 1-800-642-2444 at least 48 hours **BEFORE** digging in City right-of-way.
2. Shoring is required for trenches 5 feet or deeper.
3. All work, including Compaction, shall be completed to current City standards. Copies of standards can be found at [www.ci.patterson.ca.us](http://www.ci.patterson.ca.us)
4. Any damage to public or private property or any damage to facilities in public right-of-way is the responsibility of the contractor to correct.
5. If the scope of work results in any significant impact to existing homes or businesses, the contractor may be required to pass out fliers to that effect.
6. A Pre-Construction meeting may be needed as determined by Public Works. **Please contact Public Works at (209) 895-8060 to schedule if marked Yes. Pre-Construction Meeting Required?**  Yes  No
7. If any water is needed from City fire hydrants, a Hydrant Use Permit is required. A meter deposit and water use charges apply. The meter must be returned back immediately to the City upon project completion. If meter is not received, the City will close-out the permit, retain the meter deposit, and bill out any remaining water use charges.
8. All work performed under this permit shall comply with the Phase II Storm water Regulations and the City's storm water ordinance, including the completion of a SWPPP and/or Erosion Sediment Control Plan (ESCP). BMPs must be in place and the City's QSP will inspect before starting any work. **Is a SWPPP and/or ESCP required for this project?**  Yes  No
9. Upon approval of this application, a Fee is due before work may be commenced.
10. Is a traffic control plan needed?  Yes  No Any jobs that encroach on city streets, including partial blockage or closure of streets, will require a traffic control plan and a designated date work will begin. Upon approval of encroachment permits, emergency services shall be notified and give the date work will begin.
11. Is the property free and clear of easements?  Yes  No
12. Pre-Inspections and Post Inspections are required for all Encroachment Permits. Please contact the Public Works Department at **(209) 895-8060** to schedule your inspections.
13. Other:
14. Has the Pre-Construction Meeting Completed?  Yes  No Date of Meeting: \_\_\_\_\_
15. The Contractor and/or Property Owner/Developer will obtain approval from the City prior to transferring any excess dirt removed from the project area. If the dirt is being transferred to a private property, a signed letter from the property owner granting their authorization will be required. Additionally, the excess dirt will be properly graded (mounds not allowed) and stabilized for erosion and sediment control to comply with Stormwater regulations.
16. The Contractor and/or Property Owner/Developer shall submit to the City, along with the Certificate of Insurance, CG 20 10 and/or CG 20 37 (Completed Operations), and a Waiver of Subrogation endorsement in favor of City, its officers, agents, employees, and volunteers. Please refer to Attachment "A" of this application for the Liability Insurance Minimum Requirements Matrix.

**Craig Moon/Glenn Suanders,**  
**Public Works Inspector**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

**Will Barrera/Xavier Guluarte,**  
**Deputy Director**  
**Mike Willett, Director**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

**Sonia Delgado,**  
**Deputy Director of Regulatory Compliance**  
**and Administrative Services**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

**Fernando Ulloa, City Engineer**  
**Jaspreet, Associate Engineer**  
**Tiffany Rodriguez, Capital Project Manager**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**



# Encroachment & Trench Cut Permit

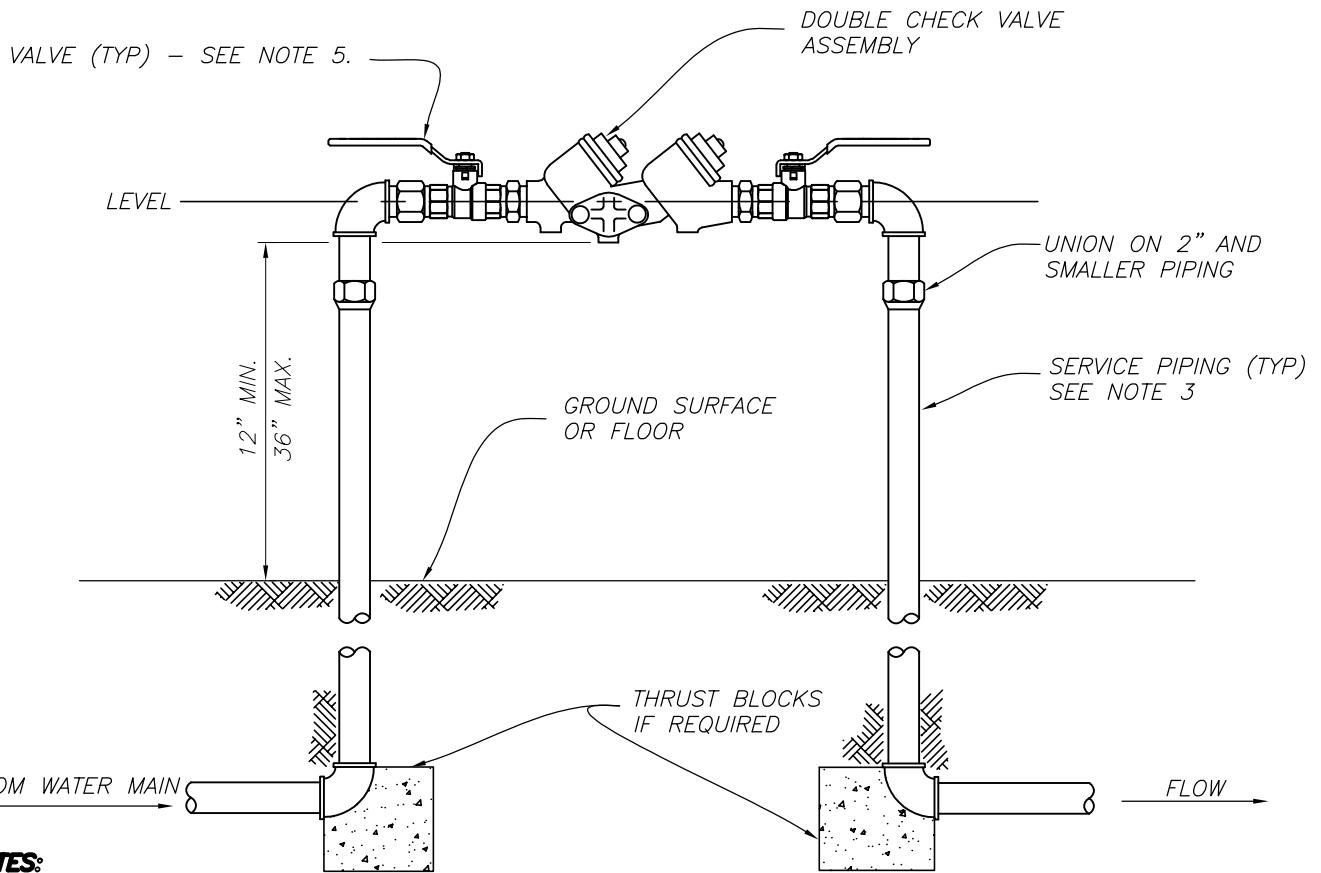
## Attachment "A"

### Insurance Requirements Matrix

**INSURANCE REQUIREMENTS FOR PUBLIC WORKS PERMITS & PARK/FIELD RESERVATIONS**  
**\*\*NOTE: The City of Patterson utilizes the following Risk Categories/Matrix to determine Insurance Terms/Requirements for every permit application/project received. If you have questions regarding insurance requirements, please contact Public Works at (209) 895-8060.**

TABLE 1 Use this table to determine Risk Category		
Risk Category	Risk Level	Examples
1	Low	<ul style="list-style-type: none"> <li>Vending machine providers</li> <li>Facilities use</li> <li>Special events</li> <li>Some professional service providers</li> <li>General contracts</li> </ul>
2	Intermediate	<ul style="list-style-type: none"> <li>Construction contracts</li> <li>Some professional service providers</li> <li>Technology consultants</li> <li>Facilities use</li> <li>Special events</li> </ul>
3	High	<ul style="list-style-type: none"> <li>Major construction contracts</li> <li>Garbage haulers</li> <li>Some professional service providers</li> </ul>
Other	Undefined	<ul style="list-style-type: none"> <li>The risk is unique</li> <li>Custom insurance requirements needed</li> </ul>

TABLE 2 Use this table to determine Insurance Requirements. In addition to Providing an Insurance Certificate, the City requires an Endorsement (ISO Form CG 20 10 or CG 2037), naming the City as "Additionally Insured" or Equivalent			
Risk Category	Workers' Compensation	General Liability	Auto Liability
1	Statutory  Employer's Liability \$1,000,000	\$2,000,000 per occurrence (may accept \$1,000,000 per occurrence for lower risks)  \$4,000,000 general aggregate  \$1,000,000 products/completed operations aggregate	\$2,000,000 Combined Single Limit (may accept \$1,000,000 for lower risks)
2	Statutory  Employer's Liability \$1,000,000	\$2,000,000+ per occurrence  \$4,000,000+ general aggregate  \$2,000,000+ products/completed operations aggregate	\$2,000,000+ Combined Single Limit
3	Statutory  Employer's Liability \$1,000,000	\$5,000,000+ per occurrence  \$10,000,000+ general aggregate  \$5,000,000+ products/completed operations aggregate	\$5,000,000+ Combined Single Limit
Other	Consult with City/ Risk Management Professionals	Consult with City/ Risk Management Professionals	Consult with City/ Management Professionals



**NOTES:**

1. DEVICES SHALL BE FABCO, WATTS, OR APPROVED EQUAL & APPROVED BY THE U.S.C. TESTING LABORATORY.
2. MANUFACTURING AND MODEL NUMBER OF BACKFLOW PREVENTION ASSEMBLY SHALL BE LEAD FREE AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
3. ABOVE GROUND SERVICE PIPING FOR BACKFLOW PREVENTION DEVICES 2 INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER OR BRASS. SERVICE LINES 4-INCH DIAMETER AND SMALLER BUT LARGER THAN 2-INCHES IN DIAMETER SHALL BE GALVANIZED STEEL. WRAP ALL METALLIC PIPING BELOW GROUND AND WITHIN 6-INCHES OF GROUND SURFACE WITH 2 LAYERS OF 10-MIL CALPICO TAPE.
4. SUPPORTS WHERE PROVIDED SHALL NOT INTERFERE WITH TESTING AND MAINTENANCE.
5. BALL VALVES SHALL BE INSTALLED ON 2-INCH AND SMALLER BACKFLOW PREVENTION ASSEMBLIES. GATE VALVES SHALL BE UTILIZED ON BACKFLOW PREVENTION ASSEMBLIES LARGER THAN 2-INCH.
6. INSTALL AN LOCKABLE INSULATED COVER AS APPROVED BY PW DIRECTOR AROUND ASSEMBLY. CAGE PROTECTION IS REQUIRED WHEN INSTALLED IN PARKS OR AS REQUIRED BY THE CITY.
7. DEVICE SHALL BE LOCATED IMMEDIATELY BEHIND WATER METER.
8. DEVICE SHALL BE TESTED BY A CERTIFIED TESTER APPROVED BY THE CITY AND TEST RESULTS SHALL BE SUBMITTED TO THE CITY. AFTER THE INSPECTION TEST COCKS SHALL BE PLUGGED WITH BRASS TEST PLUGS.
9. BACKFLOW PREVENTION ASSEMBLY SHOWN IS FOR NON-FIRE FLOW APPLICATION. BACKFLOW PREVENTION INSTALLATIONS FOR FIRE PREVENTION SHALL BE AS APPROVED BY THE FIRE CHIEF.
10. ALL BACKFLOW DEVICES WILL NEED TO BE SCREENED FROM PUBLIC VIEW BY UTILIZING A COMBINATION OF BLACKWALL, STEEL SCREEN, AND/OR LANDSCAPING ETC.
11. A DOUBLE CHECK VALVE ASSEMBLY WILL ONLY BE PERMITTED FOR REPLACEMENT AND RETROFIT SERVICES AND MUST BE APPROVED BY THE CITY. DOUBLE CHECK VALVE CAN BE USED ON FIRE LINES WITH THE APPROVAL OF FIRE DEPARTMENT.

Apr 28, 2021 - 10:43am L:\Standard details\Cad Files 2020\Section 6 (Water)\W-6, W-7.dwg

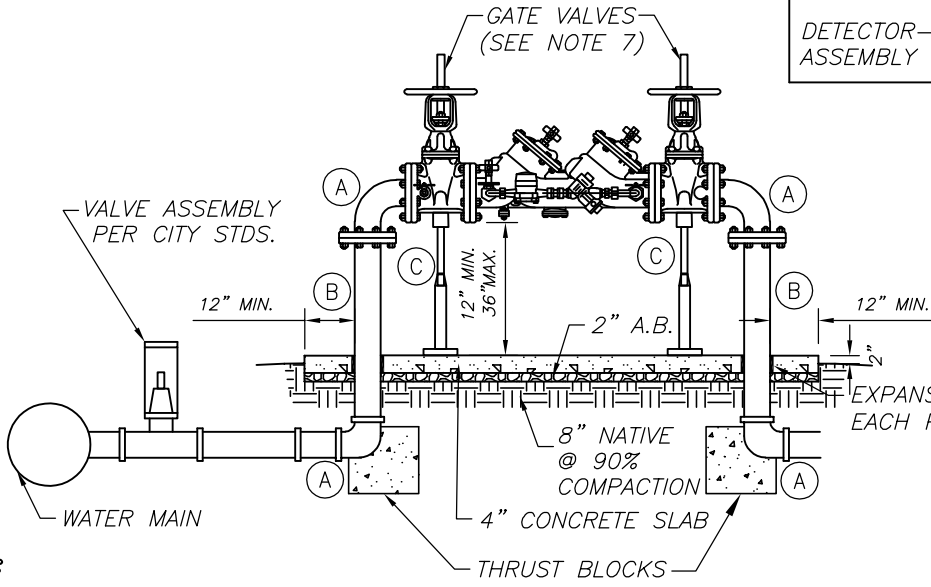
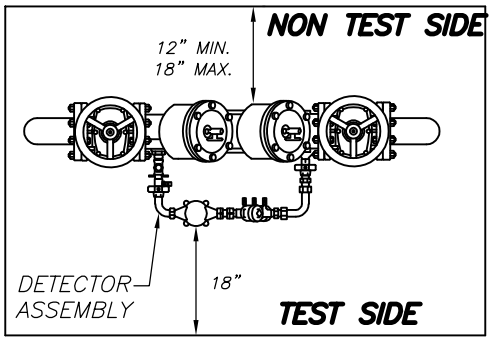
## CITY OF PATTERSON IMPROVEMENT STANDARDS



DRAWN BY: J. MANGAT	<b>2" OR SMALLER DOUBLE CHECK VALVE BACKFLOW PREVENTER</b>		DRAWING NO.
CHECKED BY: M. WILLETT	10/26/20		<b>W - 6</b>
APPROVED BY:	62736	NTS	
FERNANDO ULLOA, CITY ENGR.	DATE	R.C.E. NO.	

SERVICE LINE SHALL HAVE A WATER METER IMMEDIATELY BEFORE THE BACKFLOW ASSEMBLY.

DETECTOR ASSEMBLIES ARE ONLY REQUIRED FOR NON-METERED FIRE LINES.



- LEGEND:**
- (A) 90° ELBOW
  - (B) SPOOL
  - (C) PIPE SUPPORT, ANVIL FIG. 264 OR APPROVED EQUAL

**NOTES:**

1. DEVICE SHALL BE FABCO, WATTS, OR APPROVED EQUAL, & APPROVED BY THE U.S.C. TESTING LABORATORY.
2. MANUFACTURING AND MODEL NUMBER OF BACKFLOW PREVENTION ASSEMBLY SHALL BE LEAD FREE AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
3. SPOOLS 4-INCH DIAMETER AND SMALLER BUT LARGER THAN 2-INCHES IN DIAMETER SHALL BE GALVANIZED STEEL. SPOOLS LARGER THAN 4-INCH DIAMETER SHALL BE DUCTILE IRON AND FLANGED BOLTED.
4. THE DEVICE SHALL BE TESTED BY A CERTIFIED TESTER APPROVED BY THE CITY AND TEST RESULTS SHALL BE SUBMITTED TO THE CITY. AFTER THE INSPECTION, TEST COCKS SHALL BE SECURED WITH BRASS TEST PLUGS OR CAPS.
5. GATE VALVES SHALL BE SECURED WITH 1/4" GRADE 30 GALVANIZED CHAIN. LOCK SUPPLIES BY THE CITY.
6. DEVICES 3" SHALL INCLUDE FREEZE PROTECTION (FABRICATED INSULATED COVER APPROVED BY THE CITY).
7. WHEN A TEMPER ALARM IS REQUIRED IT SHALL BE INSTALLED WITH A TOGGLE STPE SWITCH ON THE STEM OF EACH GATE VALVE.
8. VALVES SHALL BE OF RESILIENT WEDGE CONSTRUCTION.
9. PAINT ALL PIPING, FITTINGS, AND DEVICES WITH RUST RESISTANT GLOSS ENAMEL PAINT FOR SIZES 4" AND LARGER.
10. BACKFLOW PREVENTION ASSEMBLY SHOWN IS FOR NON-FIRE FLOW APPLICATION. BACKFLOW PREVENTION INSTALLATIONS FOR FIRE PREVENTION SHALL BE AS APPROVED BY THE FIRE CHIEF.
11. ALL BACKFLOW DEVICES WILL NEED TO BE SCREENED FROM PUBLIC VIEW BY UTILIZING A COMBINATION OF BLACKWALL, STEEL SCREEN, AND/OR LANDSCAPING ETC.
12. A DOUBLE CHECK VALVE ASSEMBLY WILL ONLY BE PERMITTED FOR REPLACEMENT AND RETROFIT SERVICES AND MUST BE APPROVED BY THE CITY. DOUBLE CHECK VALVE CAN BE USED ON FIRE LINES WITH THE APPROVAL OF FIRE DEPARTMENT.

Apr 28, 2021 - 10:44am L:\Standard details\Cad Files 2020\Section 6 (Water)\W-6, W-7.dwg

CITY OF PATTERSON IMPROVEMENT STANDARDS

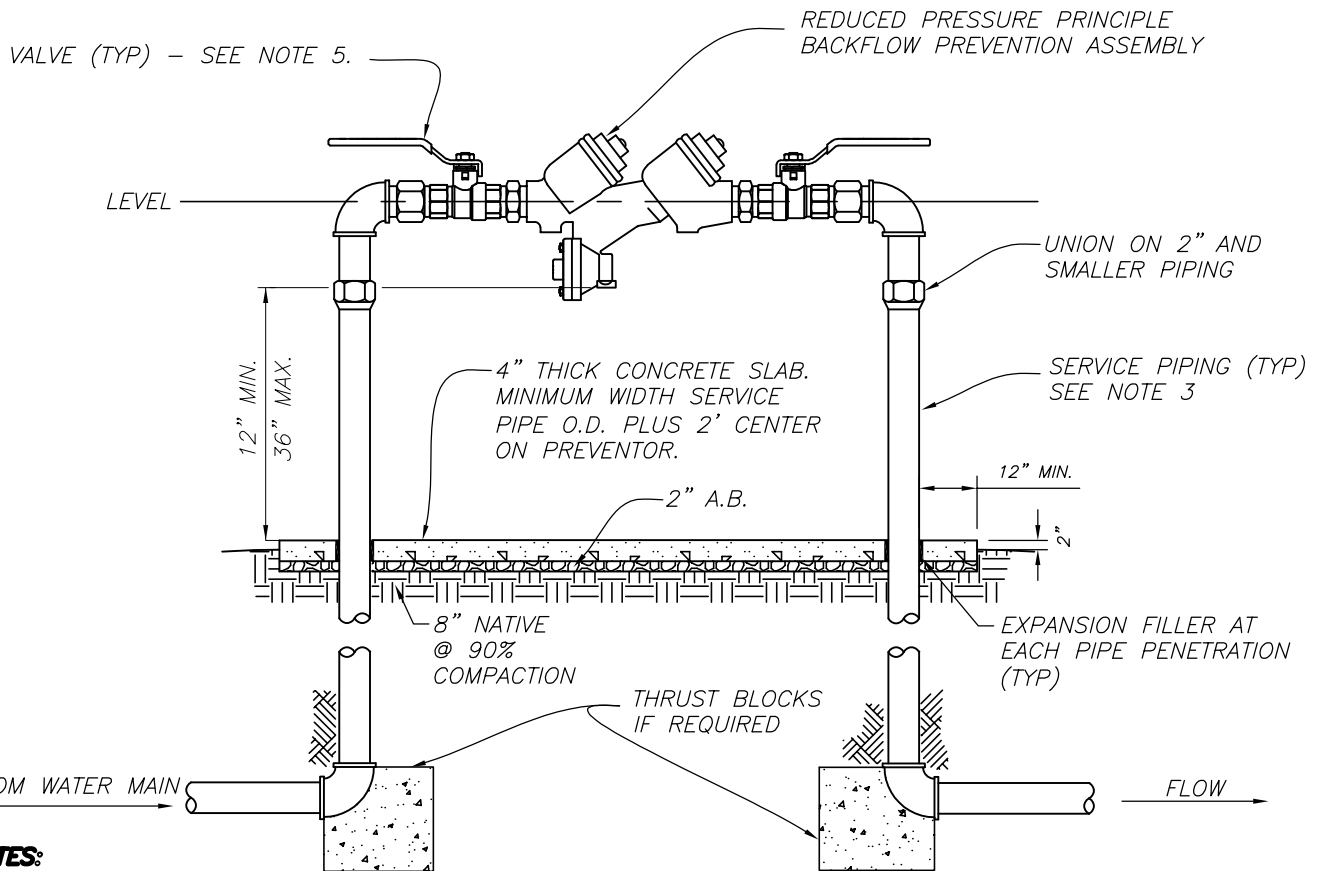


DRAWN BY: J. MANGAT  
 CHECKED BY: M. WILLETT  
 APPROVED BY: *Fernando Ulloa*  
 FERNANDO ULLOA, CITY ENGR.

**3" OR LARGER DOUBLE CHECK BACKFLOW PREVENTION DEVICE**

10/26/20 DATE 62736 R.C.E. NO.

DRAWING NO. **W - 7**  
 NTS



**NOTES:**

1. DEVICES SHALL BE FABCO, WATTS, OR APPROVED EQUAL & APPROVED BY THE U.S.C. TESTING LABORATORY.
2. MANUFACTURING AND MODEL NUMBER OF BACKFLOW PREVENTION ASSEMBLY SHALL BE LEAD FREE AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
3. ABOVE GROUND SERVICE PIPING FOR BACKFLOW PREVENTION DEVICES 2 INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER OR BRASS. SERVICE LINES 4-INCH DIAMETER AND SMALLER BUT LARGER THAN 2-INCHES IN DIAMETER SHALL BE GALVANIZED STEEL. WRAP ALL METALLIC PIPING BELOW GROUND AND WITHIN 6-INCHES OF GROUND SURFACE WITH 2 LAYERS OF 10-MIL CALPICO TAPE.
4. SUPPORTS WHERE PROVIDED SHALL NOT INTERFERE WITH TESTING AND MAINTENANCE.
5. BALL VALVES SHALL BE INSTALLED ON 2-INCH AND SMALLER BACKFLOW PREVENTION ASSEMBLIES. GATE VALVES SHALL BE UTILIZED ON BACKFLOW PREVENTION ASSEMBLIES LARGER THAN 2-INCH.
6. INSTALL AN LOCKABLE INSULATED COVER AS APPROVED BY PW DIRECTOR AROUND ASSEMBLY. CAGE PROTECTION IS REQUIRED WHEN INSTALLED IN PARKS OR AS REQUIRED BY THE CITY.
7. DEVICE SHALL BE LOCATED IMMEDIATELY BEHIND WATER METER.
8. DEVICE SHALL BE TESTED BY A CERTIFIED TESTER APPROVED BY THE CITY AND TEST RESULTS SHALL BE SUBMITTED TO THE CITY. AFTER THE INSPECTION TEST COCKS SHALL BE PLUGGED WITH BRASS TEST PLUGS.
9. BACKFLOW PREVENTION ASSEMBLY SHOWN IS FOR NON-FIRE FLOW APPLICATION. BACKFLOW PREVENTION INSTALLATIONS FOR FIRE PREVENTION SHALL BE AS APPROVED BY THE FIRE CHIEF.
10. ALL BACKFLOW DEVICES WILL NEED TO BE SCREENED FROM PUBLIC VIEW BY UTILIZING A COMBINATION OF BLACKWALL, STEEL SCREEN, AND/OR LANDSCAPING ETC.
11. BACKFLOW PREVENTION ASSEMBLY MUST BE A REDUCED PRESSURE PRINCIPLE ASSEMBLY TYPE AND MUST BE APPROVED BY THE CITY.

Apr 28, 2021 - 10:47am L:\Standard details\Cad Files 2020\Section 6 (Water)\W-8, W-9.dwg

## CITY OF PATTERSON IMPROVEMENT STANDARDS

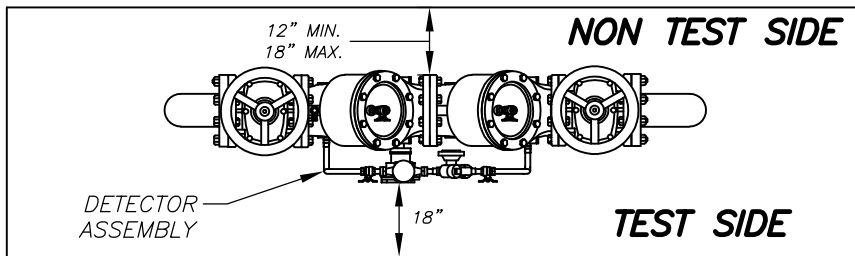


DRAWN BY: J. MANGAT  
 CHECKED BY: M. WILLETT  
 APPROVED BY: *Fernando Ulloa*  
 FERNANDO ULLOA, CITY ENGR.

# 2" OR SMALLER REDUCED PRESSURE BACKFLOW PREVENTER

10/26/20      62736  
 DATE      R.C.E. NO.

DRAWING NO. **W - 8**  
 NTS

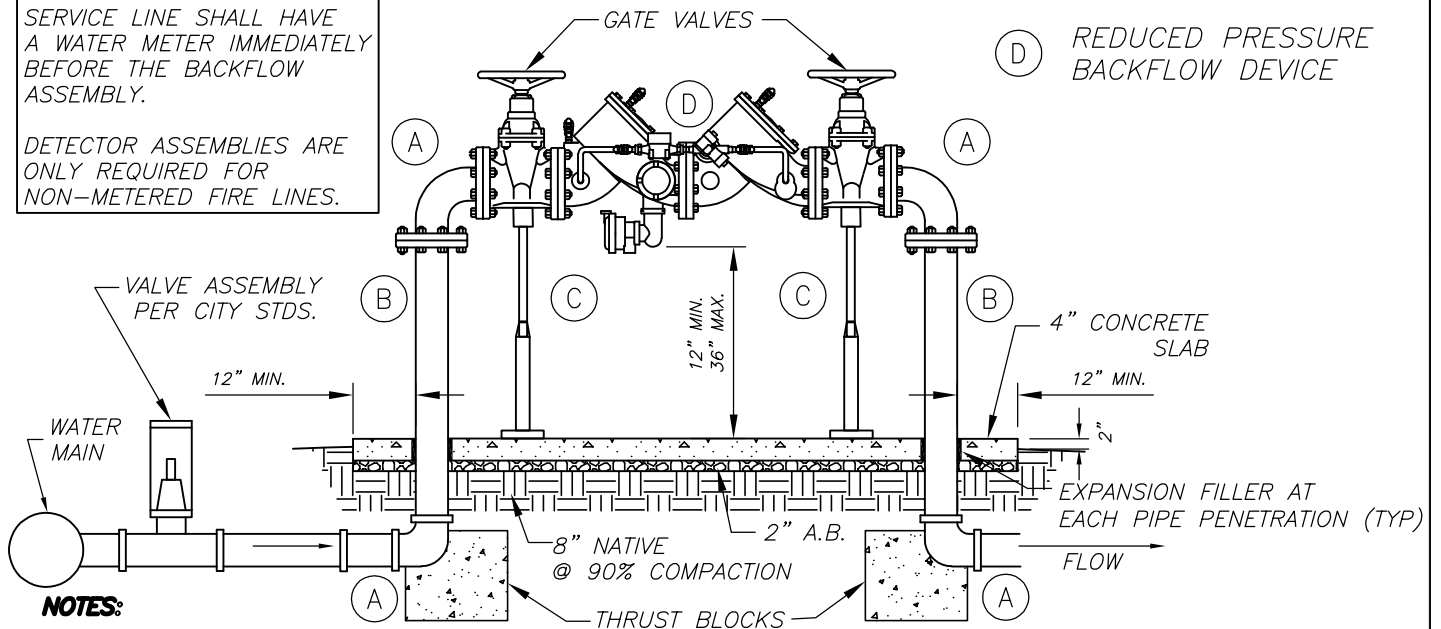


**LEGEND:**

- (A) 90° ELBOW
- (B) SPOOL
- (C) PIPE SUPPORT, ANVIL OR APPROVED EQUAL
- (D) REDUCED PRESSURE BACKFLOW DEVICE

SERVICE LINE SHALL HAVE A WATER METER IMMEDIATELY BEFORE THE BACKFLOW ASSEMBLY.

DETECTOR ASSEMBLIES ARE ONLY REQUIRED FOR NON-METERED FIRE LINES.



**NOTES:**

1. DEVICE SHALL BE FABCO, WATTS, OR APPROVED EQUAL, & APPROVED BY THE U.S.C. TESTING LABORATORY.
2. MANUFACTURING AND MODEL NUMBER OF BACKFLOW PREVENTION ASSEMBLY SHALL BE LEAD FREE AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
3. SPOOLS 4-INCH DIAMETER AND SMALLER BUT LARGER THAN 2-INCHES IN DIAMETER SHALL BE GALVANIZED STEEL. SPOOLS LARGER THAN 4-INCH DIAMETER SHALL BE DUCTILE IRON AND FLANGED BOLTED.
4. THE DEVICE SHALL BE TESTED BY A CERTIFIED TESTER APPROVED BY THE CITY AND TEST RESULTS SHALL BE SUBMITTED TO THE CITY. AFTER THE INSPECTION, TEST COCKS SHALL BE SECURED WITH BRASS TEST PLUGS OR CAPS.
5. GATE VALVES SHALL BE SECURED WITH 1/4" GRADE 30 GALVANIZED CHAIN. LOCK SUPPLIES BY THE CITY.
6. DEVICES 3" SHALL INCLUDE FREEZE PROTECTION (FABRICATED INSULATED COVER APPROVED BY THE CITY).
7. WHEN A TEMPER ALARM IS REQUIRED IT SHALL BE INSTALLED WITH A TOGGLE STPE SWITCH ON THE STEM OF EACH GATE VALVE.
8. VALVES SHALL BE OF RESILIENT WEDGE CONSTRUCTION.
9. PAINT ALL PIPING, FITTINGS, AND DEVICES WITH RUST RESISTANT GLOSS ENAMEL PAINT FOR SIZES 4" AND LARGER.
10. BACKFLOW PREVENTION ASSEMBLY SHOWN IS FOR NON-FIRE FLOW APPLICATION. BACKFLOW PREVENTION INSTALLATIONS FOR FIRE PREVENTION SHALL BE AS APPROVED BY THE FIRE CHIEF.
11. ALL BACKFLOW DEVICES WILL NEED TO BE SCREENED FROM PUBLIC VIEW BY UTILIZING A COMBINATION OF BLACKWALL, STEEL SCREEN, AND/OR LANDSCAPING ETC.
12. BACKFLOW PREVENTION ASSEMBLY MUST BE A REDUCED PRESSURE PRINCIPLE ASSEMBLY TYPE AND MUST BE APPROVED BY THE CITY.

CITY OF PATTERSON IMPROVEMENT STANDARDS

**3" OR LARGER REDUCED PRESSURE BACKFLOW PREVENTION DEVICE**

DRAWN BY: J. MANGAT

CHECKED BY: M. WILLETT

APPROVED BY:

*Fernando Ulloa*  
 FERNANDO ULLOA, CITY ENGR.

10/26/20

DATE

62736

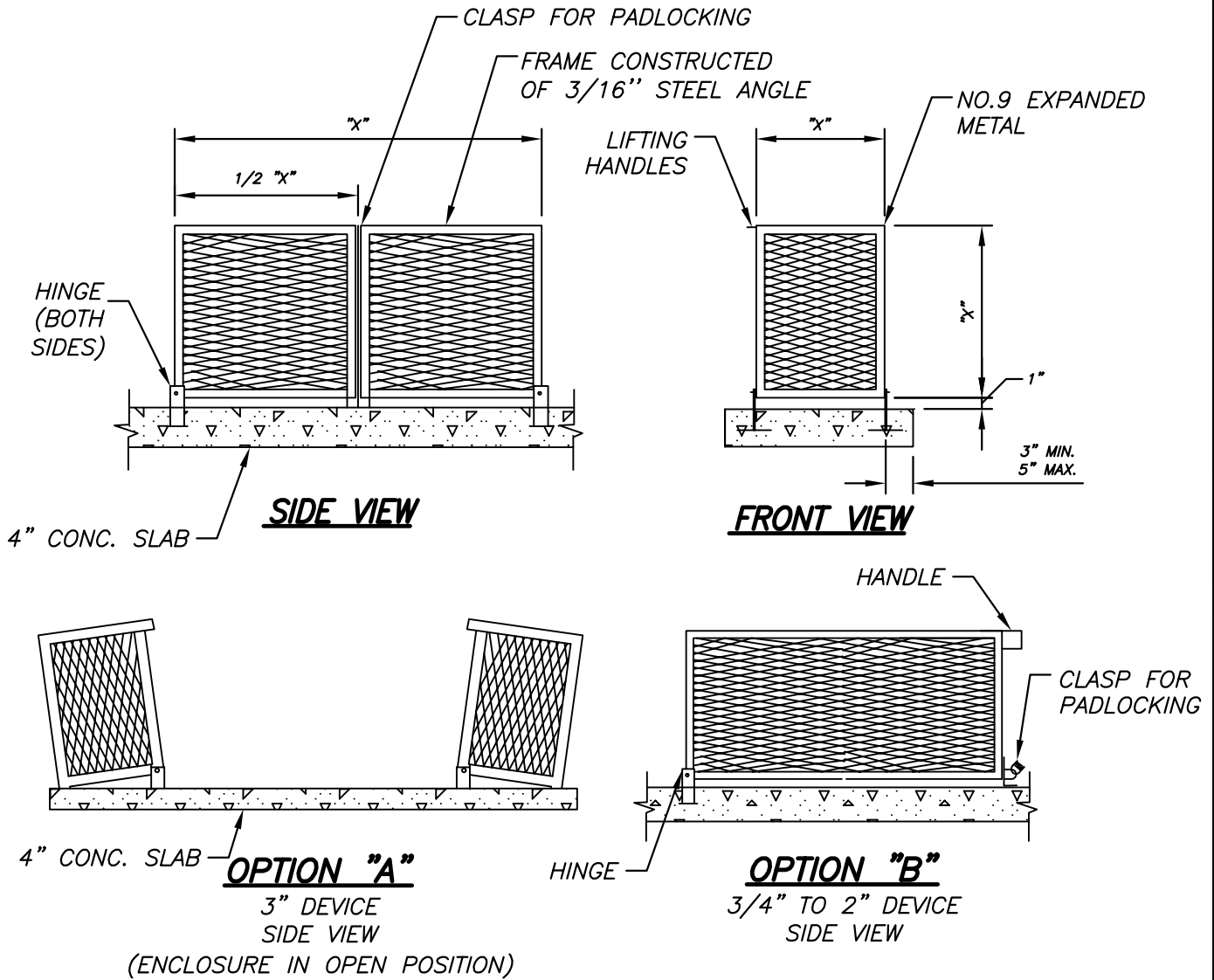
R.C.E. NO.

DRAWING NO.

**W - 9**

NTS





"X" = REFER TO DIMENSIONS ON CONSTRUCTION PLANS

**NOTES:**

1. REFER TO MANUFACTURER'S CATALOG FOR CORRECT DIMENSIONS TO FIT SIZE OF SPECIFIED BACKFLOW DEVICE.
2. CONCRETE FOUNDATION DIMENSIONS TO SUIT EACH INDIVIDUAL INSTALLATION, MINIMUM 4" THICK, OR AS PER MANUFACTURER'S RECOMMENDATION.
3. OPTION SELECTION:  
 OPTION "A": 3" DEVICE  
 OPTION "B": 3/4" TO 2" DEVICES
4. PAINT ALL METAL SURFACES WITH RUST RESISTANT GLOSS ENAMEL PAINT (FOREST GREEN COLOR).

CITY OF PATTERSON IMPROVEMENT STANDARDS



DRAWN BY: J. MANGAT  
 CHECKED BY: M. WILLETT  
 APPROVED BY: *Fernando Ulloa*  
 FERNANDO ULLOA, CITY ENGR.

**BACKFLOW ASSEMBLY CAGE**

10/26/20  
 DATE

62736  
 R.C.E. NO.

DRAWING NO.  
 NTS

**W - 10**