

CITY OF LATHROP

Department of Public Works

DESIGN & CONSTRUCTION

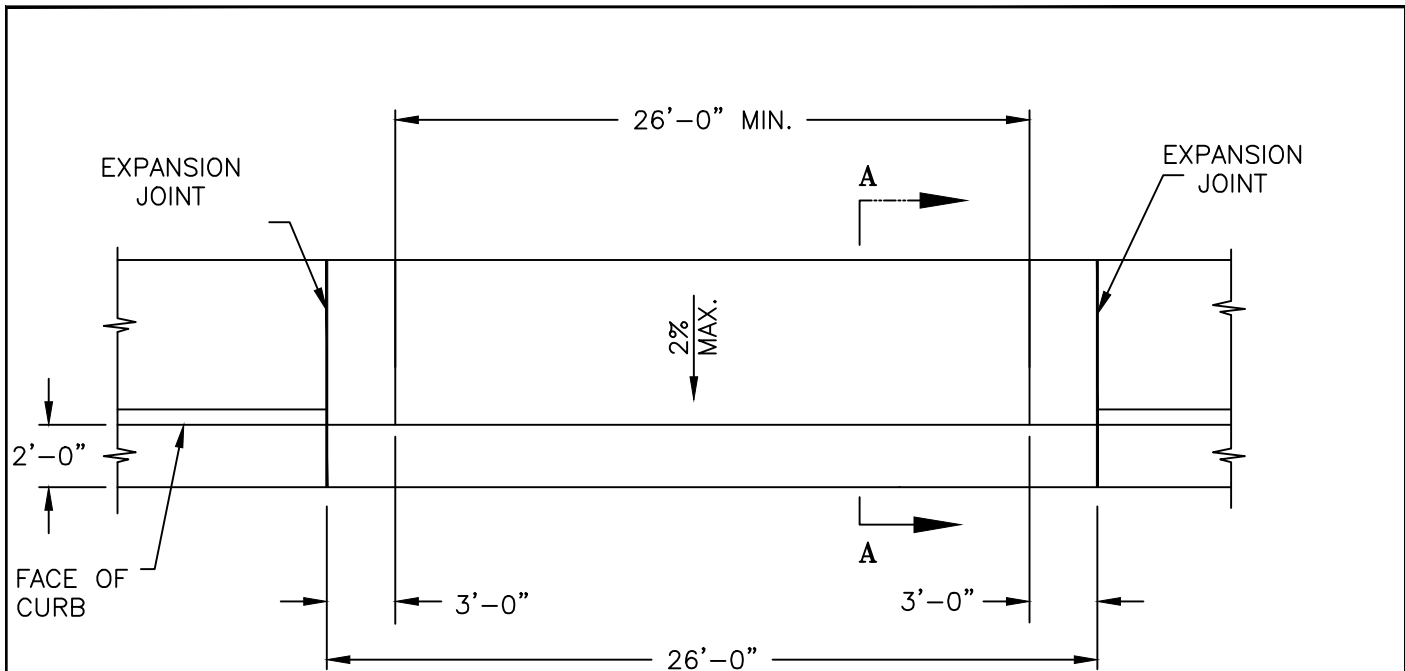
Standard Details



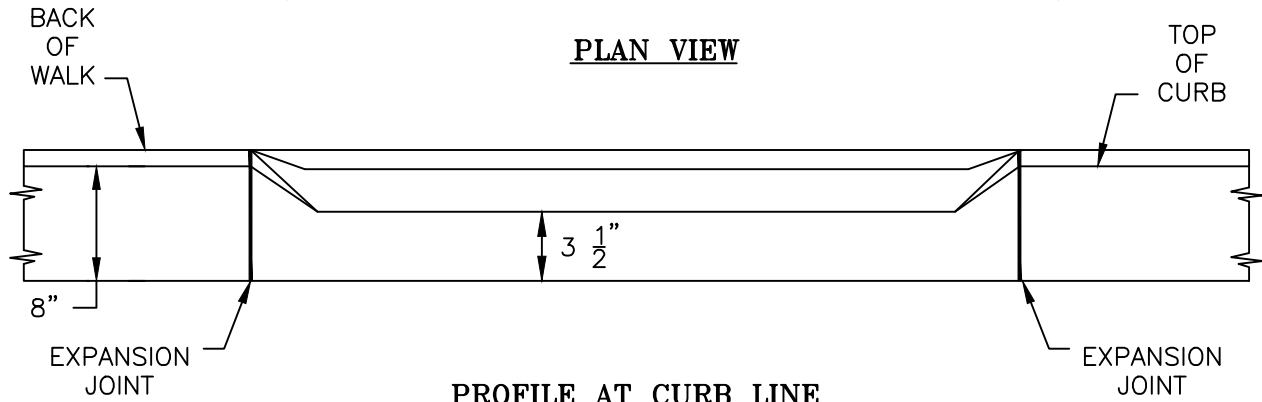
July 2024

Fire

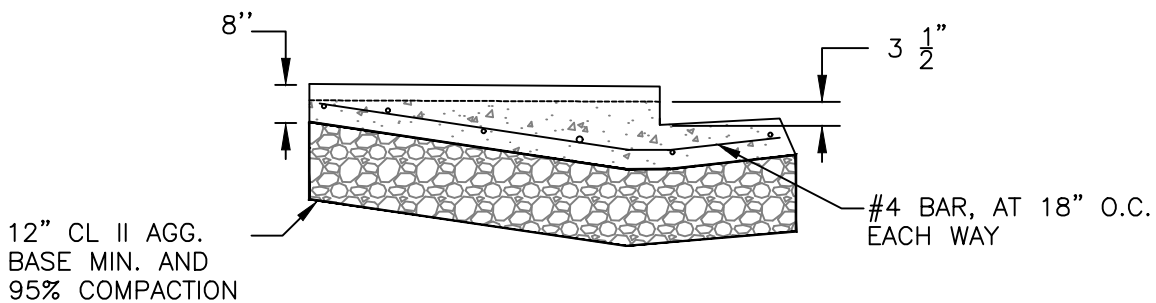
Emergency Fire Access Driveway	F-1
Fire Road Barricade In Rural Areas I	F-2
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PLAN VIEW



PROFILE AT CURB LINE



SECTION A - A

NOT TO SCALE

Approved by:



City of Lathrop
City Engineer

No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS

**EMERGENCY
FIRE ACCESS
DRIVEWAY**

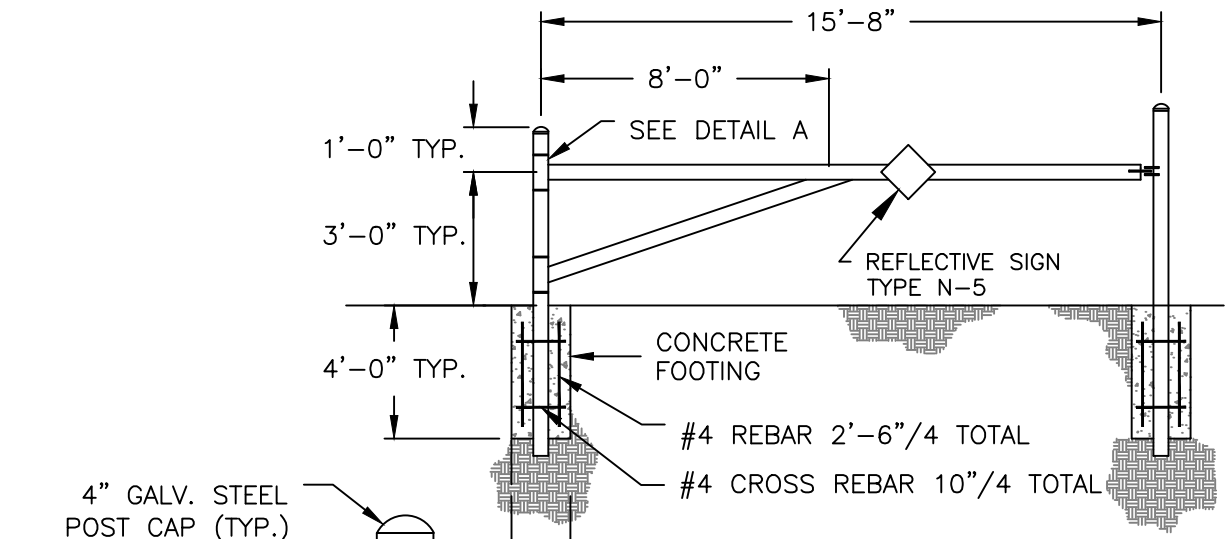


**STANDARD
DETAIL**

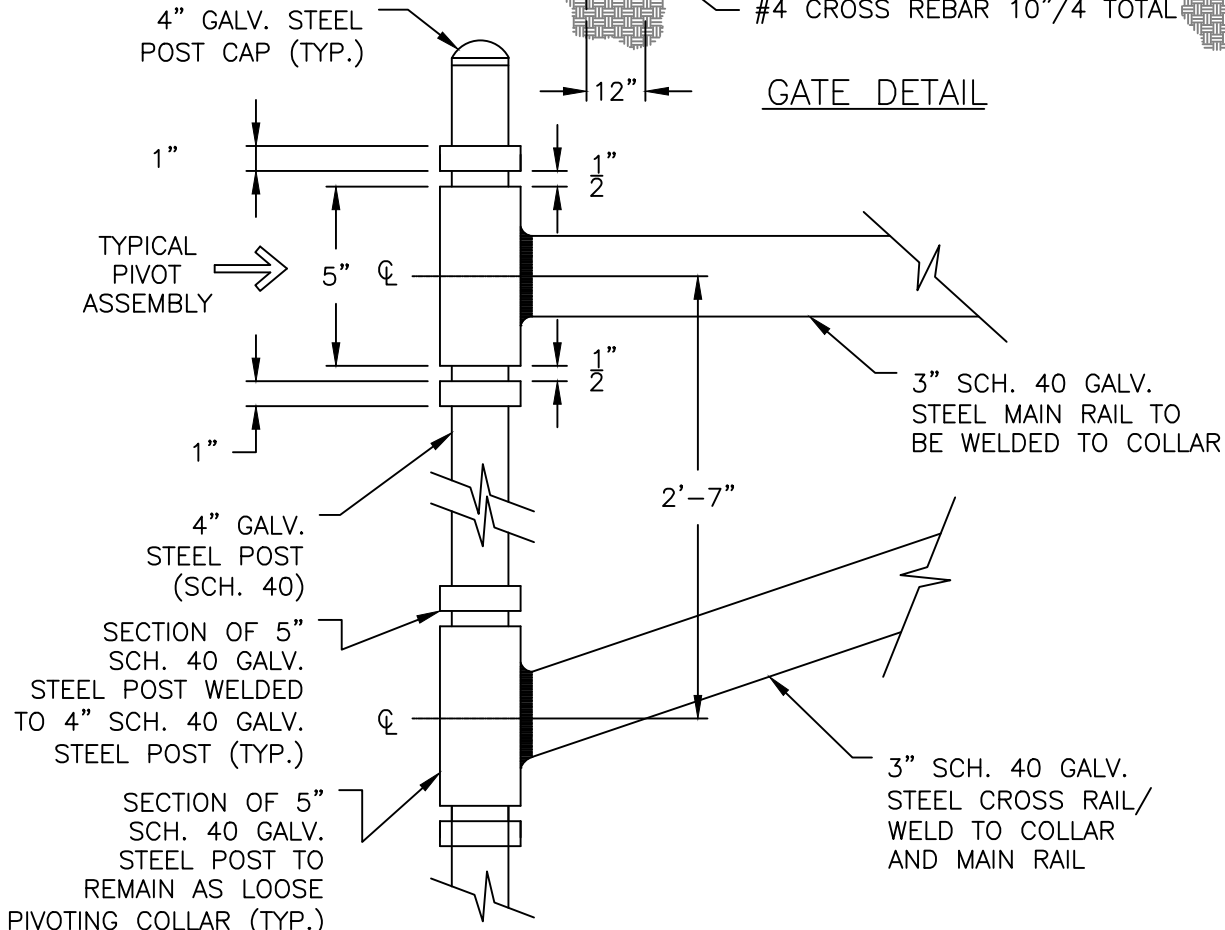
Date: **JULY 2024**

Drawing No:

F-1



GATE DETAIL



DETAIL A (GATE TO POST DETAIL PIVOT)

- NOTE:
1. Fire road barricade shall be painted fire engine red.
 2. See Caltrans detail for fire road barricade.

NOT TO SCALE

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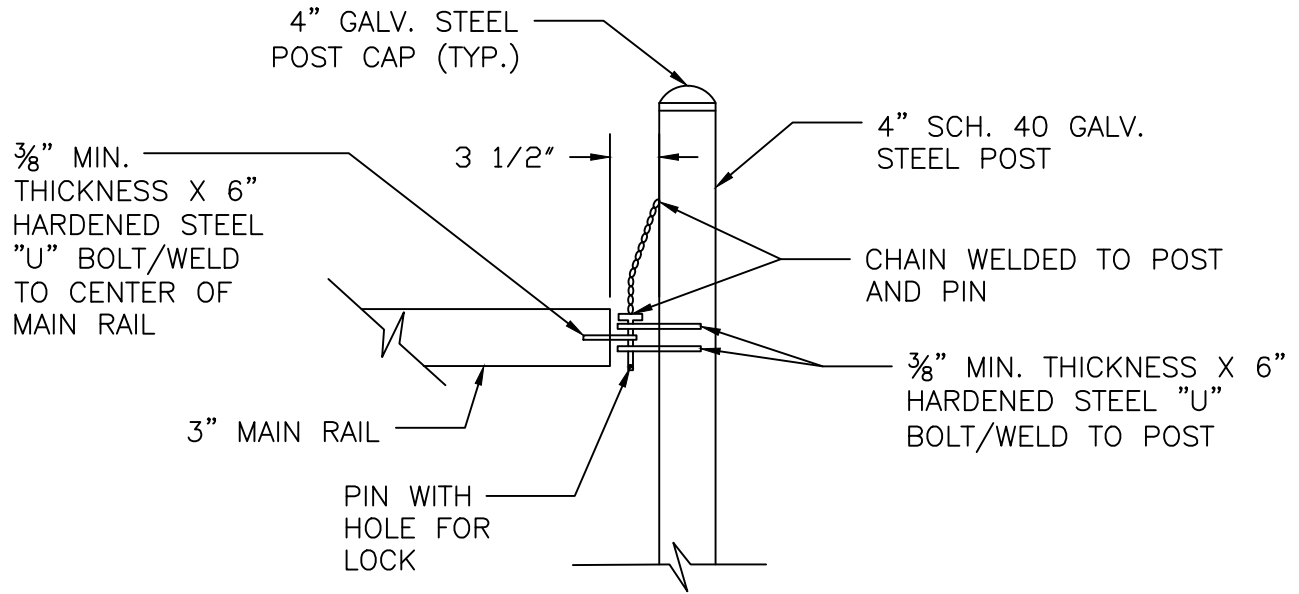
**FIRE ROAD BARRICADE
IN RURAL AREAS I**



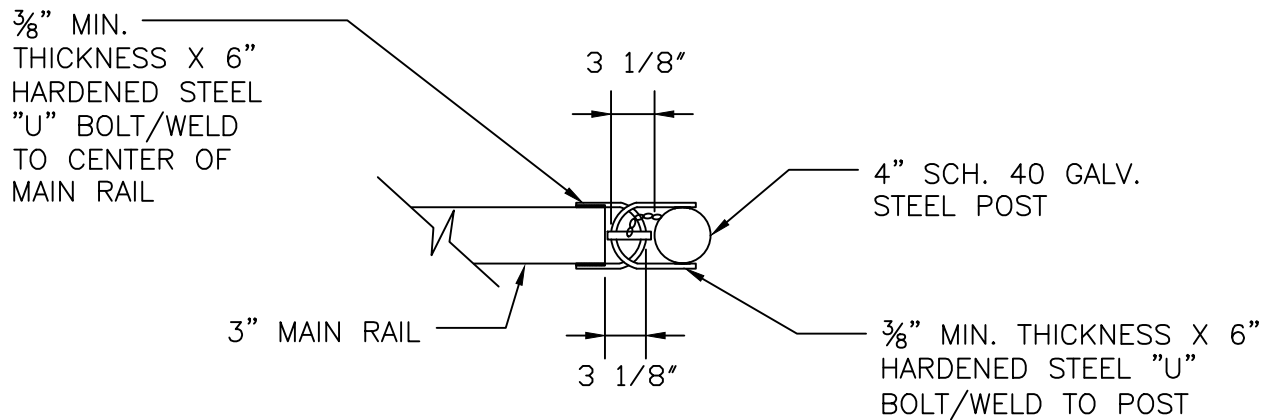
**STANDARD
DETAIL**

Date: **JULY 2024**
Drawing No:

F-2



SIDE-VIEW



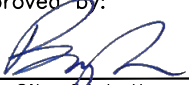
PLAN-VIEW

NOTE:

1. Locking mechanism shall be subject to the approval of the Fire Department.

NOT TO SCALE

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**FIRE ROAD BARRICADE
IN RURAL AREAS II**

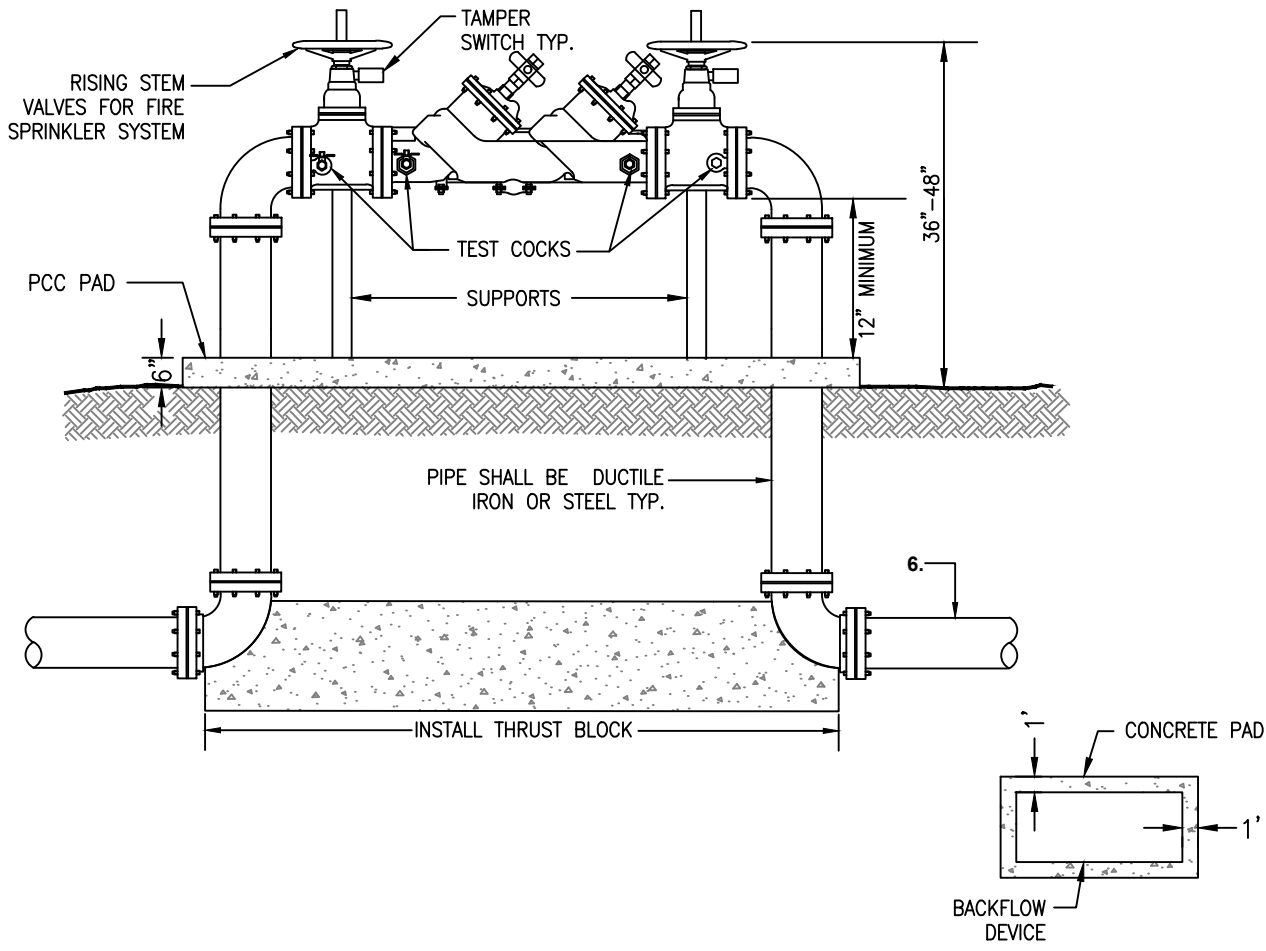


**STANDARD
DETAIL**

Date: **JULY 2024**

Drawing No:

F-3

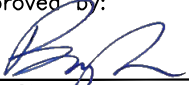


NOTES:

1. Installed device shall be Febco Model LF 850 large diameter or approved equal.
2. Device shall be installed above ground.
3. Test cocks and shut-off valves must be supplied and installed as shown. Plugs are capped.
4. Discharge port must be kept clear of obstruction at all times.
5. Any deviation from the installation shown above must receive prior approval.
6. All piping and appurtenances shall be AWWA rated 200 psi for fire sprinkler systems.
7. Thrust blocks per Standard Detail No. W-2.
8. Valves shall be chain locked in an open position at all times.
9. Installed device shall be painted fire engine red and screened with landscaping unless otherwise approved by City Engineer.
10. Tamper switch on stem of rising valve is required. See Fire Department requirements.
11. All underground ductile iron or steel pipe must be wrapped with a minimum of 10 mil. polywrap tape.
12. All bolts shall be stainless steel 316 w/ never seize on threads.
13. All assemblies must be tested by a certified backflow prevention tester and reports shall be sent to backflows@ci.lathrop.ca.us
14. Concrete pad shall be 1 foot outside of pipes.

NOT TO SCALE

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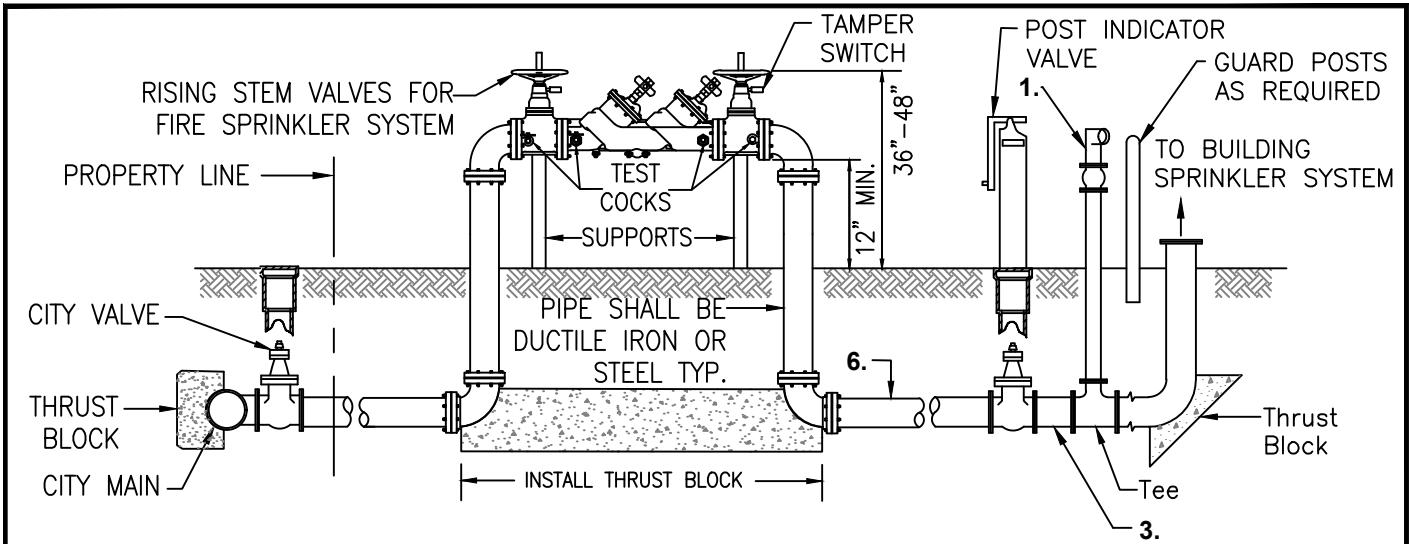
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**DOUBLE CHECK
BACKFLOW DEVICE ON
FIRE LINE**

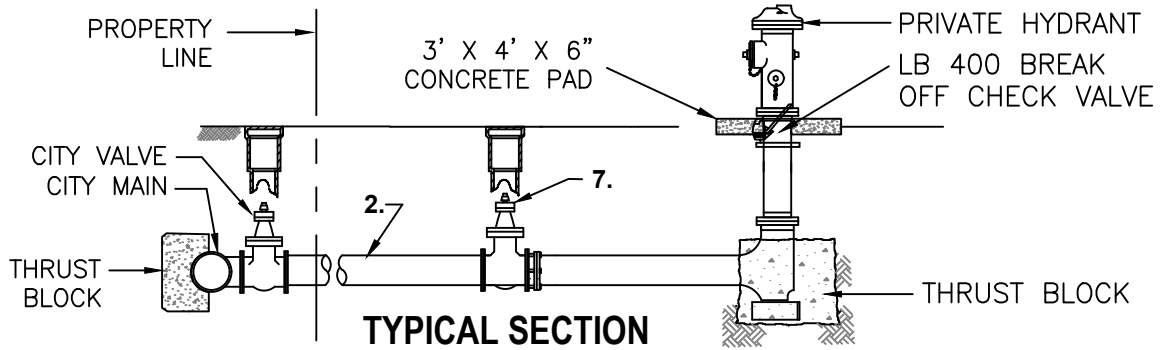


**STANDARD
DETAIL**

Date: **JULY 2024**
Drawing No:
F-4



**TYPICAL SECTION
PRIVATE BUILDINGS FIRE SPRINKLERS SYSTEMS**




**TYPICAL SECTION
PRIVATE FIRE HYDRANT**

NOTES:

1. Fire Dept. connection with check valve.
2. 6" Minimum \emptyset pipe. Any "Dead end" main or lateral in excess of 100' and supplying fire hydrants, shall be installed on a minimum 8" diameter pipe..Fire Hydrant 50' from FDC
3. 4" Minimum \emptyset pipe.
4. All private fire systems connected to domestic water mains shall have backflow prevention as required by AWWA M-14 for Classes III, V, and VI fire systems. Plans shall be submitted to and approved by the Building Division and Fire District prior to construction. "As built" drawings shall be provided prior to acceptance by the City.
5. All fire protection systems shall be disinfected prior to connection to public water system in accordance with the City specifications.
6. On-site fire hydrant systems shall have a break off check valve installed where required by City Engineer.
7. Fire hydrant laterals greater than 100 LF, shall have an additional gate valve installed within 35' and not less than 5' of the fire hydrant as approved by the City Engineer.
8. Fire line must pass min. 200psi, 2 hour Hydrostatic Pressure Test.
9. All underground ductile iron or steel pipe must be wrapped with a minimum 10 mil. polywrap tape.
10. Underground bolts must be never seize 316 Stainless Steel.
11. Private fire hydrants that are connected to the fire pump loop shall be painted red. Private fire hydrants that are not connected to the fire pump loop shall be painted yellow.

NOT TO SCALE

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City Of Lathrop City Engineer		
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FIRE SERVICE

CONNECTION DETAIL



**STANDARD
DETAIL**

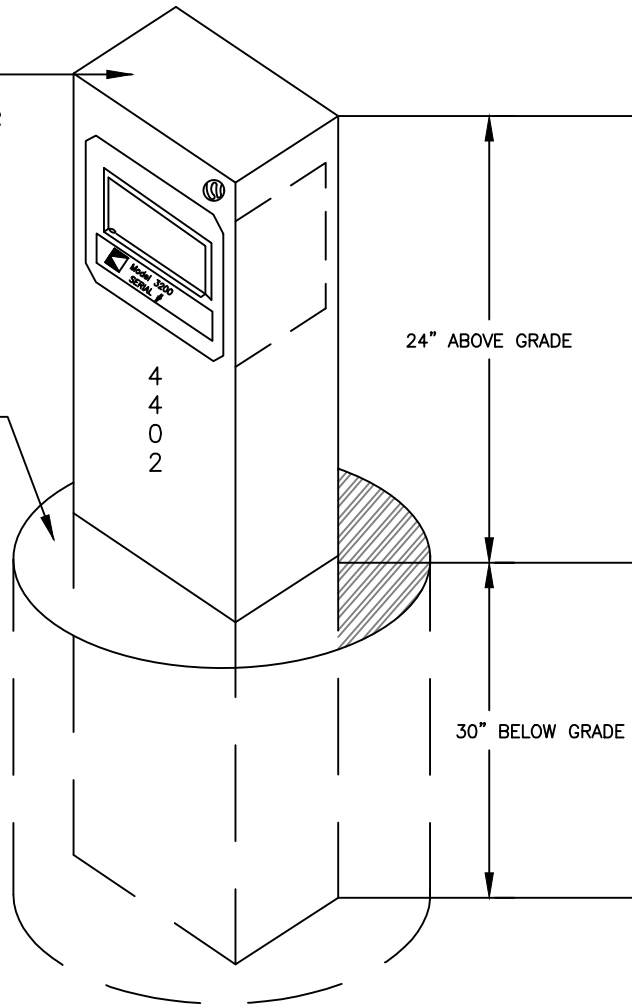
Date: **JULY 2024**

Drawing No:

F-5

APPLY TEX-COTE GRAFFITI
GUARD®, 21 st CENTURY
COATINGS GRAFF-IT-OFF®, OR
APPROVED EQUAL

DIG HOLE 12" IN DIAMETER
AND 30" DEEP



NOTES:

1. 3/16" steel 4x4 tubular constructed post, 54" in length.
2. Knox-Box to be welded in to the post, 2" below the top edge, or welded to the top of the post.
3. Knox-Box to be attached with a complete welded bead at contact point.
4. Top of post to be 24" above grade.
5. Bottom of post to be 30" below grade.
6. Post to be secured in a 12" diameter hole, filled with concrete to grade level.
7. Post to be painted black.
8. Address numbers to be placed vertically on post, starting 2" below bottom of Knox-Box.
9. Numbers to be contrasting in color to the black painted post.
10. Numbers to be 3" in height x 1 1/2" stroke.
11. Location of Knox-Box post to be within 12' of the first point of egress and visible. This location must be approved by the Fire Department and City Engineer.
12. Knox-Box may also be mounted to building per proposed plans.
13. Knox-Box for residential developments may be required per fire code official.

NOT TO SCALE

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City of Lathrop City Engineer		
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KNOX-BOX



**STANDARD
DETAIL**

Date: **JULY 2024**

Drawing No:

F-6