



NOTES:

1. Hydrant Model:
 - Residential: Clow 850 or approved equal, with one (1) 4 ½" outlet and one (1) 2 ½" outlet.
 - Commercial/Industrial: Clow 960 or approved equal, with one (1) 4 ½" outlet and two (2) 2 ½" outlets.
2. Hydrants shall be clean and free of concrete debris.
3. Hydrant Paint and Identification:
 - Hydrants shall be painted OSHA Safety Yellow (Hy-Lux Industrial Coating or approved equal).
 - Hydrants shall be numbered in accordance with City of Lathrop Standards, using black stencil lettering, minimum 1" high, located upstream of the hydrant face.
 - Hydrants connected to recycled water (RW) shall be painted Pantone 512 or approved equal.
 - Private hydrants shall be painted red.
4. Hydrant Lateral Piping: 6" diameter PVC pipe (AWWA C-900 with CIP equivalent outside diameter) or Ductile Iron Pipe (DIP).
5. Gate Valves for Extended Laterals: Fire hydrant laterals exceeding 100 linear feet (LF) shall have a second gate valve installed near the hydrant, as approved by the fire district.
6. Breakaway Connection: A breakaway spool with galvanized 304 stainless steel or stainless steel spool bolts shall be installed at the bottom connection to the hydrant.
7. Sidewalk Expansion Joints & Anchor Block:
 - Expansion joints in sidewalks shall be installed per Standard Detail R-5 and R-20.
 - The anchor block, which also serves as the sidewalk, shall be installed per City Standard Details, with a minimum thickness of 8 inches.
8. Thrust Blocks: All thrust blocks shall be inspected and approved at the time of construction, per Standard Detail W-2.
9. Standards Compliance: Hydrants shall comply with AWWA standards.
10. Pipe Wrapping: All fittings and metal pipes shall be wrapped with 10-mil PVC Pipe Wrap Sheeting.
11. Underground Bolts: Underground bolts shall be 316 stainless steel and shall be coated with Never-Seize or Anti-Seize on the threads.
12. Continuity Testing: A continuity test shall be required before acceptance. See Standard Detail W-3.

NOT TO SCALE

Approved by:

[Signature]
City of Lathrop
City Engineer

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS

FIRE HYDRANT ASSEMBLY



**STANDARD
DETAIL**

Date: **JANUARY 2025**

Drawing No:

W-20

No	Revised	Date