DETAILS

AND

SPECIFICATIONS

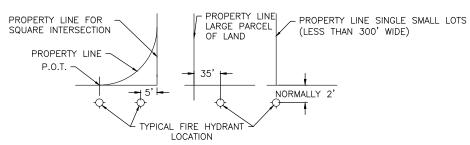


MO WATER VALVES HYDRAN 7-09 7-12 7-14

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1 OF 1

PROVIDE 1/2-INCH RAKE BETWEEN BASE AND TOP OF HYDRANT -FIRE HYDRANT, SEE CITY OF WENATCHEE FIRE HYDRANT SPECIFICATIONS MINIMUM CLEARANCE 3'-0" RADIUS - 2 1/2-INCH NST THREAD 4-INCH PACIFIC COAST THREAD WITH STORTZ FITTING **O** TWO-PIECE DUCTILE IRON VALVE BOX, EQUAL TO INLAND FOUNDRY 18" MIN. #2062 TOP, + #2064 BOTTOM. LENGTH TO FIT MIN MAX. 6-INCH RS GATE VALVE. FLxMJ HYDRANT EXTENSION IF → 3.0' MIN. | REQUIRED DUCTILE IRON FITTING, W/6-INCH FLANGE ON SIDE 1/2 CU.YD. MIN. -COURSE GRAVEL OR CRUSHED ROCK LEVEL FOR 3'-0" RADIUS MINIMUM (3/4-INCH TO 1-INCH) FOR DRAIN 6-INCH DUCTILE IRON PIPE, CEMENT LINED, LENGTH TO FIT. ALL JOINTS RESTRAINED ON HYDRANT RUN WITH 12"x12"x4" MINIMUM 2.0' MIN. MEGA LUGS CONCRETE BLOCK NOTE: VALVE TO BE PLACED ON THE MAIN FOR NEW CONSTRUCTION. AVOID PLACING THE VALVE **FILL** IN CURB & GUTTER FOR RETROFIT PROJECTS. **FIRE HYDRANT** FIRE HYDRANT LOCATION IN CUT OR FILL **ASSEMBLY**



TYPICAL FIRE HYDRANT LOCATION

--|3.0' MIN.|--

CUT

SLOPE AS REQUIRED

FOR STABILITY

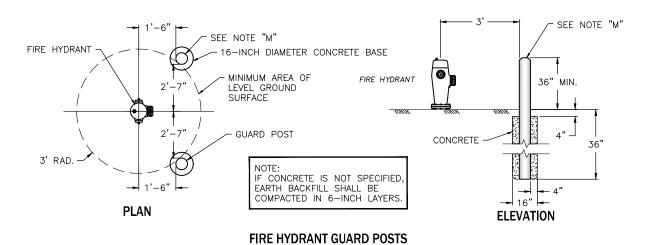
ONE MAN ROCK OR

ONE MAN ROCK OR

APPROVED RETAINING

SLOPE AS REQUIRED FOR STABILITY

APPROVED RETAINING



FIRE HYDRANTS SHALL BE FOR ORDINARY WATER WORKS SERVICES AS DESCRIBED IN AWWA C-502-54.

- A. EACH HYDRANT SHALL HAVE 5-INCH MVO WITH "O" RING SEALS, A BREAKAWAY FLANGE, A 1 1/4-INCH OPERATING NUT AND NOZZLE CAP NUTS THAT OPEN COUNTER CLOCKWISE. GASKETS AND NOZZLE CAP SHALL BE INCLUDED.
- B. SHUT-OFF TYPE: COMPRESSION OR GATE.
- C. INLET CONNECTION: 6-INCH MECHANICAL JOINT (125#) INLET.
- D. CONNECTION PORTS:

TWO (2)-2 1/2-INCH I.D. HOSE NOZZLE PORTS WITH N.S.T. THREADS. ONE (1)-4-INCH I.D. PUMPER OR STEAMER NOZZLE WITH P.C.T. THREADS AT SIX (6) THREADS

PER INCH WITH AN O.D. OF 4.828-INCH AND A THREAD BEVEL OF 60. THIS SHALL ALSO HAVE A STORTZ FITTING AS INDICATED ON THE DETAIL.

STORTZ FITTING-4-INCH STORTZ TYPE ADAPTER WITH CAP AND CHAIN AND PYROLITE RIGID FEMALE CONNECTOR WITH SET SCREW. THE THREAD CUT ON THE FITTING SHALL MATCH EXISTING STANDARDS

THE STORTS FITTING SHALL NOT EXTEND PAST THE BACK OF THE SIDEWALK AND SHALL BE ORIENTED TO FACE THE WATER MAIN, OR AS DIRECTED BY THE CITY ENGINEER.

- E. DEPTH OF BURY SHALL BE 4 1/2-INCH OR 5 1/2-INCH DEPENDING ON THE CONDITIONS UNLESS
- F. ALL NOZZLES SHALL CONFORM TO CURRENT CITY OF WENATCHEE HYDRANTS.
- G. HYDRANT SHALL BE PAINTED YELLOW IN ACCORDANCE WITH AWWA C-502-54, SECTION 6.
- H. APPROVED MANUFACTURERS: MUELLER, M & H, EAST JORDAN, OR KENNEDY GUARDIAN K-81. ONLY THESE BRANDS WILL BE ACCEPTED.
- I. ALL HYDRANTS SHALL BE EQUIPPED WITH TRAFFIC BREAKING FLANGES.
- J. ALL INSTALLATIONS WILL HAVE A RESILIENT SEAT AUXILIARY VALVE.
- K. ALL HYDRANTS SHALL HAVE MEGALUG RESTRAINED JOINTS.
- L. THE MINIMUM DISTANCE FROM THE BOTTOM OF THE LOWEST PORT TO FINISHED GRADE SHALL BE 18-INCH. THE DISTANCE FROM FINISHED GRADE TO THE BREAKING FLANGE SHALL BE A MINIMUM OF 2-INCH AND A MAXIMUM OF 4-INCH.
- M. HYDRANT GUARD POST SHALL BE 8-INCH DIAMETER x 6-FEET LONG PRECAST CONCRETE POST EQUAL TO FOG-TITE METER SEAL CO,. PAINT WITH TWO COATS OSHA SAFETY YELLOW ENAMEL.