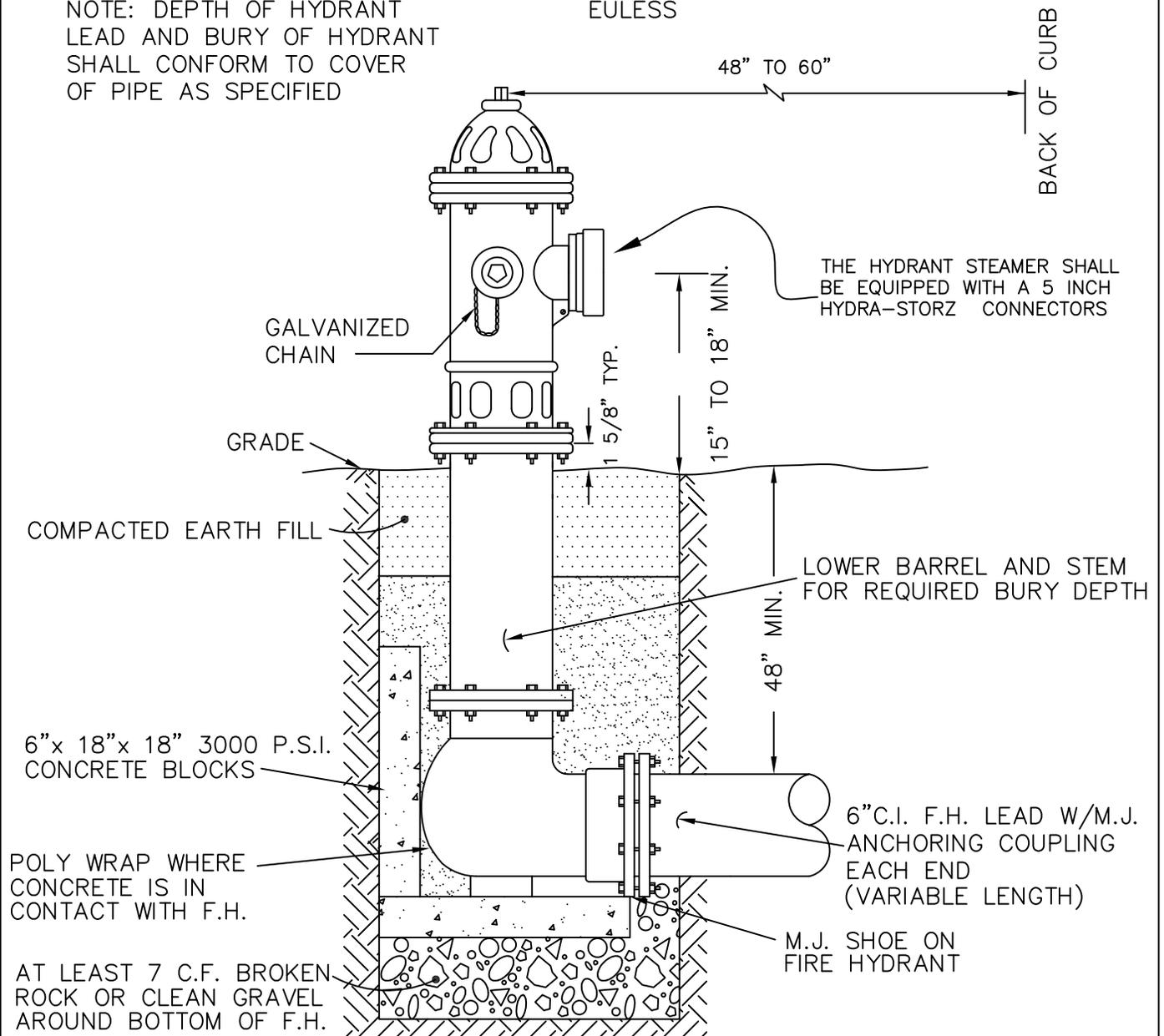


NOTE: DEPTH OF HYDRANT  
LEAD AND BURY OF HYDRANT  
SHALL CONFORM TO COVER  
OF PIPE AS SPECIFIED

FIRE HYDRANT AS SPECIFIED  
PAINTED I.A.W. COLOR CODE  
REQUIREMENT OF CITY OF  
EULESS



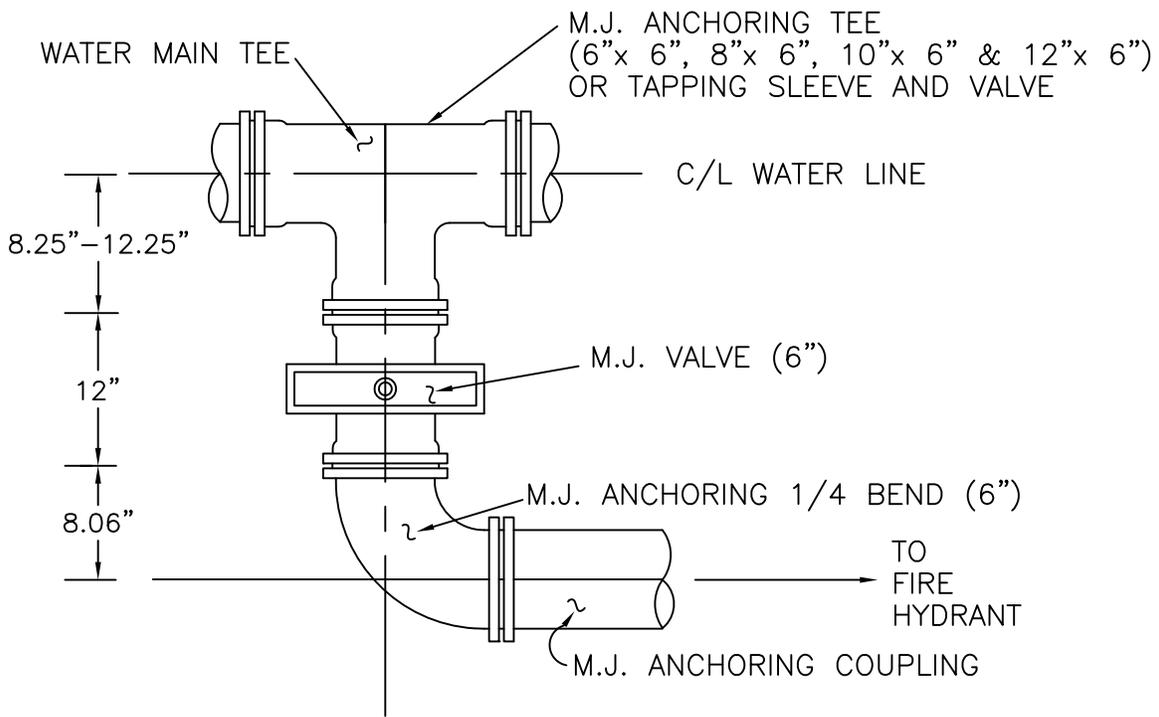
FIRE HYDRANT DETAIL

FIRE HYDRANT DETAILS

CITY  
OF  
EULESS

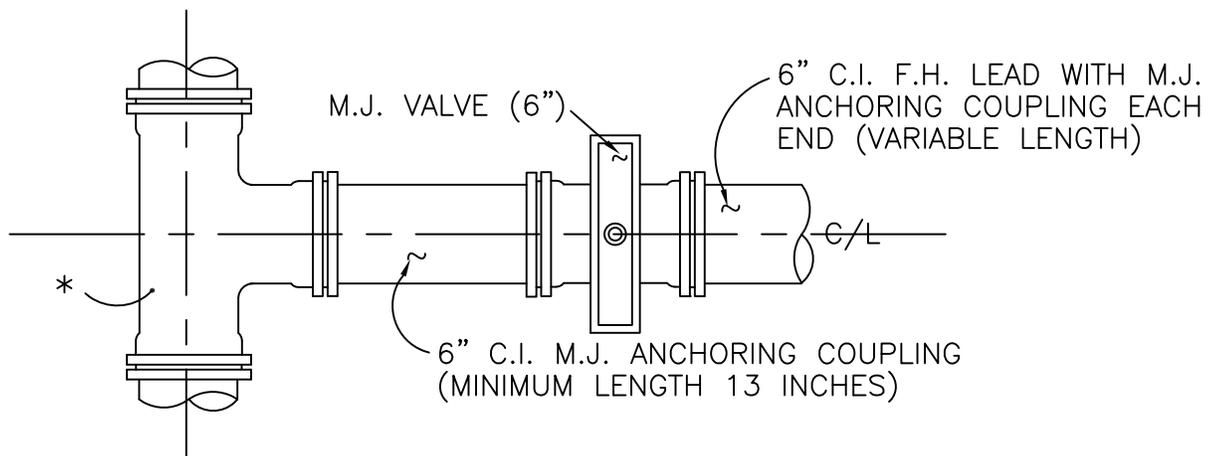
COE-FH-1

6/07



THESE MEASUREMENTS ARE FOR 6" FITTINGS. ADJUST MEASUREMENTS FOR THE APPLICABLE PIPE SIZE

### SPECIAL FIRE HYDRANT SETTING



### NORMAL FIRE HYDRANT SETTING

\* C.I. TEE IN WATER MAIN WITH 6" STANDARD M.J. BRANCH. USE M.J. x M.J. x S. TEE (ANCHORING TEE) WHEN M.J. VALVE IS CONNECTED DIRECTLY TO THE TEE. WHEN F.H. IS TO BE INSTALLED ON AN EXISTING WATER MAIN USE TAPPING SLEEVE AND VALVE (F.x M.J.)

## FIRE HYDRANT DETAILS

CITY  
OF  
EULESS

COE-FH-2

2/99

FIRE HYDRANT SPECIFICATIONS

1. ALL FIRE HYDRANTS IN THE CITY OF EULESS SHALL MEET OR EXCEED AWWA STANDARD FOR DRY BARREL FIRE HYDRANTS, C502. FINAL PAINT COLOR SHALL BE FIRE HYDRANT RED. VALVE OPENING SHALL BE 5 1/4-INCHES IN 1/4-INCHES IN DIAMETER. ALL FIRE HYDRANTS SHALL OPEN TO THE LEFT (COUNTER-CLOCKWISE).
2. ALL HYDRANTS SHALL BE EQUIPPED WITH:
  - A. 1-STEAMER NOZZLE, 4 1/2-INCH I.D., 5 3/4-INCH O.D. NATIONAL STANDARD THREADS, 4 THREADS PER INCH.
  - B. 2-HOSE NOZZLES, 2 1/2-INCH I.D., 3 1/16-INCH O.D., NATIONAL STANDARD THREADS, 7 1/2 THREADS PER INCH.
  - C. THE HYDRANT STEAMER SHALL BE EQUIPPED WITH A 5 INCH HYDRA-STORZ CONNECTORS WITH BUILT-IN BUTTERFLY VANES AS MANUFACTURED BY HYDRA-SHIELD MFG., IRVING, TX. OR APPROVED EQUAL.
3. ALL FIRE HYDRANTS SHALL BE CONSTRUCTED INCORPORATING THE FOLLOWING COMPONENTS AND FEATURES:
  - A. LUBRICATION PLUG, SITUATED TO PROVIDE EASY ACCESS TO LUBRICATE OPERATING THREADS.
  - B. BRONZE OPERATING NUT, NATIONAL STANDARD PENTAGON MEASURING 1 1/2-INCH POINT TO FLAT.
  - C. OPERATING LOCKNUT/WEATHER SHIELD THAT FUNCTIONS AS THRUST BEARING TO RETAIN BRONZE OPERATING NUT WITH O-RING SEAL TO PREVENT ENTRY OF WEATHER ELEMENTS.
  - D. NYLON THRUST WASHER TO ASSURE FRICTION-FREE LOW TORQUE OPERATION.
  - E. BRASS ROD SLEEVE TO SHEATH THE UPPER OPERATING ROD FOR CONTACT WITH O-RINGS IN SEAL PLATE THROUGHOUT TRAVEL. ALSO AN O-RING SHALL BE INSET BETWEEN SLEEVE AND ROD.
  - F. O-RING SEAL PLATE TO PREVENT WATER FROM ENTERING BONNET DURING OPERATION.
  - G. TRAFFIC IMPACT FLANGE THAT ALLOWS THE HYDRANT TO BREAK CLEANLY WITHOUT DAMAGE TO STRUCTURAL OR OPERATING COMPONENTS INCLUDING A TRAFFIC STEM COUPLING DESIGNED TO BREAK WITHOUT DAMAGE TO MAIN BREAK WITHOUT DAMAGE TO MAIN VALVE OR LOWER ROD. ALL BOLTS SHALL BE ELECTRO-ZINC PLATED FOR BOLTS SHALL BE ELECTRO-ZINC PLATED FOR CORROSION PROTECTION.
  - H. BRONZE MAIN VALVE TOP PLATE WHICH INCLUDES TWO RUBBER FACED BRONZE DRAINAGE VALVES AND PROVIDES POSITIVE CLOSURE OF TWO BRONZE BUSHED DRAIN PORTS DURING OPERATION. AFTER OPERATION, THE DRAIN VALVES SHALL DRAIN ALL WATER FROM THE STANDPIPE TO PREVENT COLD WEATHER FREEZE-UP. DRAIN PORTS SHALL BE PURGED AS HYDRANT IS OPENED AND AGAIN AS HYDRANT IS CLOSED.
  - I. BRONZE MAIN VALVE SEAT - CONTOURED FOR SMOOTH FLOW AND LOW PRESSURE DROP.
  - J. SOLID BRONZE MAIN VALVE SEAT RETAINER RING PERMANENTLY AFFIXED IN SHOE AND O-RING SEALED TO PROVIDE FOR BRONZE TO BRONZE INTERFACE FOR MAIN VALVE SEAT.
  - K. RUBBER MAIN VALVE SEAT, COMPRESSION DESIGN, OPENING AGAINST SYSTEM PRESSURE DESIGNED TO ALLOW PRESSURE AGAINST MAIN VALVE ASSEMBLY KEEP VALVE TIGHT EVEN IF NOZZLE SECTION IS SEPARATED AT THE GROUND-LINE FLANGE.
  - L. STAINLESS STEEL LOCK RING TO PREVENT LOOSENING OF STEM CAP NUT.
  - M. HYDRANT SHOE SHALL BE FUSION BONDED EPOXY COATED, I.D. AND O.D., AS WELL AS THE MAIN VALVE BOTTOM AND O.D., AS WELL AS THE MAIN VALVE BOTTOM PLATE AND LOWER ROD STEM CAP NUT.
4. SHOE CONNECTION SHALL BE 6-INCH MECHANICAL JOINT.
5. BURY SHALL BE SPECIFIED WHEN ORDERED AND REFERS TO THE DISTANCE FROM GROUND LINE TO BOTTOM OF CONNECTING PIPE. EXTENSION KITS SHALL BE AVAILABLE IN 6-INCH INCREMENTS.

APPROVED FIRE HYDRANTS:

M & H - STYLE 129  
AMERICAN DARLING - B-84-B  
MUELLER - CENTURION

NOTE:

THE MANUFACTURER SHALL HAVE A RELIABLE AND REPUTABLE DEALER WITHIN 25 MILES OF THE CITY OF EULESS AND MAINTAINS IN STOCK THE SPECIFIED HYDRANTS, EXTENSION KITS, AND REPAIR KITS AVAILABLE IN 24 HOURS OR LESS.

FIRE HYDRANT DETAILS

CITY  
OF  
EULESS

COE-FH-3

8/10