



NOTES:

1. APPROVED FIRE HYDRANT MANUFACTURERS ARE MUELLER, CLOW, AND M&H. ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD SPECIFICATIONS FOR FIRE HYDRANTS, C-502. FIRE HYDRANTS SHALL HAVE A 5 1/4" MIN VALVE OPENING AND AN INSIDE BARREL DIAMETER OF APPROXIMATELY 7". ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE.
2. ACTUAL VALVE LOCATION WILL DEPEND ON LOCATION OF WATER MAIN.
3. FIRE HYDRANT NO CLOSER THAN 18" TO EXISTING OR PROPOSED SIDEWALKS (TYPICAL) AND SHOULD BE LOCATED AT A MINIMUM OF 3' AND MAXIMUM OF 8' BEHIND THE CURB.
4. BURY DEPTH SHALL NOT EXCEED 7 FEET.
5. FIRE HYDRANT SHALL BE PLACED ON THE EXTENDED LOT LINE WHEN POSSIBLE.
6. ALL BELOW GROUND IRON ASSEMBLIES SHALL BE WRAPPED IN 8MM THICK POLYETHYLENE ACCORDING TO AWWA C105.
7. FIRE HYDRANT SHALL BE LOCATED A MINIMUM OF 18" OUTSIDE OF THE AREA BETWEEN THE P.C.'S OF THE CORNER TURNING RADIUS AT INTERSECTIONS. SEE DETAIL ON THIS SHEET.
8. FIRE HYDRANT SHALL BE AT LEAST 42-INCHES FROM ANY ABOVE GROUND OBSTRUCTIONS, SUCH AS GUARDRAILS, RETAINING WALLS, BOLLARDS, ETC.
9. ALL HYDRANTS SHALL OPEN BY TURNING THE OPERATING-STEM NUT TO THE LEFT (COUNTER CLOCKWISE). A CLEARLY VISIBLE CURVED ARROW AND THE WORD "OPEN" SHALL BE CAST IN RELIEF ON TOP OF THE HYDRANT TO INDICATE THE DIRECTION OF OPENING.
10. OPERATING NUT SIZE: HYDRANTS SHALL HAVE A 4 1/2" STEAMER NUT AND 5" HYDRA-STORZ CONNECTION.
11. FIRE HYDRANT SHALL BE SUPPLIED WITH BLACK PRIMER FROM THE MANUFACTURER AND PAINTED WITH 2 COATS OF FLYNT ALUMINUM SILVER BY THE CONTRACTOR.
12. A BLUE LOCATION MARKER SHALL BE PLACED IN THE CENTER OF THE ROADWAY OPPOSITE FROM THE FIRE HYDRANT. (STEMSONITE 1-88-55A OR APPROVED EQUAL)



**WATER CONSTRUCTION DETAILS
FIRE HYDRANT INSTALLATION**

REVISION DATE:
2/1/2024

SHEET: W-01