



NOTES:

1. ALL NEW WATER MAIN PIPE AND FITTINGS SHALL BE BELL & SPIGOT DUCTILE IRON CLASS 350 PIPE WITH ASPHALTIC OUTSIDE COATING AND CEMENT MORTAR INSIDE LINING CONFORMING TO AND IN ACCORDANCE WITH ANSI/AWWA C151/A21.5 AND C104/A21.4.
2. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH POLYETHYLENE ENCASEMENT (POLYWRAP). THE POLYWRAP SHALL BE OVERLAPPED AND TAPED CLOSED WITH 10 MIL TAPE AND SHALL NOT BE CUT, RIPPED, OR TORN.
3. ALL DUCTILE IRON FITTING JOINTS SHALL BE RESTRAINED WITH MEGA-LUG GLAND KITS (OAE) AND THRUST BLOCKS PER ALW STANDARD W-7.
4. ALL DUCTILE IRON PIPE JOINTS WITHIN 60 FEET OF ANY BEND, FITTING, TEE, CROSS, OR ANGLE POINT SHALL BE RESTRAINED WITH FIELD LOK GASKETS (OAE).
5. ALL PUBLIC DUCTILE IRON WATER MAIN SHALL HAVE A MINIMUM DIAMETER OF 8-INCHES.
6. ALL DUCTILE IRON PIPE SHALL BE RATED FOR A MINIMUM WORKING PRESSURE OF 350 PSI.
7. PRESSURE TESTING, DISINFECTION, AND BACTERIOLOGICAL TESTING SHALL BE PERFORMED PER ALW STANDARD W-5.
8. ALL WATER MAIN SHALL CONFORM TO ALW STANDARD W-6 FOR TRENCHING, BACKFILL, AND RESTORATION REQUIREMENTS. STREET RESTORATION SHALL BE IN CONFORMANCE WITH APPLICABLE JURISDICTION STANDARDS AND REQUIREMENTS (ALL APPLICABLE PERMITS SHALL BE OBTAINED AND ACTIVE PRIOR TO THE START OF ANY WORK).
9. ALL WATER MAIN SHALL CONFORM TO ALW STANDARDS W-16 & W-19 FOR CLEARANCE & SPACING REQUIREMENTS.
10. THE DEVELOPMENT PROPERTY OWNER SHALL SUBMIT TO ALW A WATER SYSTEM AND HYDRAULIC ANALYSIS WITH PROPOSED WATER DEMANDS INCLUDING AVERAGE DAY DEMAND, MAX DAY DEMAND, AND PEAK HOUR DEMAND. THE PROPOSED WATER MAIN SHALL BE DESIGNED TO MEET THE DEVELOPMENT PROJECT'S NEEDS.
11. IF EXISTING PUBLIC WATER MAIN IS DAMAGED, THE PROPERTY OWNER SHALL TAKE SOLE RESPONSIBILITY FOR ALL COST INCURRED DUE TO ANY RELOCATION, MODIFICATION, ALTERATION, OR DAMAGE CAUSED BY THE DEVELOPMENT TO THE SATISFACTION OF ALW.
12. ALL PUBLIC WATER MAIN IS REQUIRED TO BE INSPECTED BY ALW PRIOR TO ANY BACKFILLING BEING PERFORMED.
13. REQUIRED TO PROVIDE MATERIAL SUBMITTALS FOR ALL MATERIALS FOR ALW REVIEW AND APPROVAL PRIOR TO ORDERING ANY MATERIALS.

WATER STANDARD



DRAWN: A TOHMEH
DATE: 08-18-2021
SCALE: NTS

DUCTILE IRON CLASS 350 PIPE

APPROVED: *MTB* **76544** **8/18/2021**
 SENIOR WATER SYSTEM ENGINEER RCE NO. DATE

DWG. NO.
W - 22
SHEET
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