

1. ALL WATER WORK SHALL COMPLY WITH THE RULES AND REGULATIONS OF HIGHLINE WATER DISTRICT, THE PERMIT CONDITIONS OR DIRECTIONS ISSUED BY GOVERNING AGENCIES WITH JURISDICTIONAL AUTHORITY OVER THE PROJECT, THESE DRAWINGS, AND THE LATEST VERSION OF THE HWD DEVELOPER EXTENSION DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A SET OF THESE APPROVED PLANS ONSITE WHENEVER CONSTRUCTION IS IN PROGRESS. NO CHANGES OR DEVIATIONS FROM THESE APPROVED PLANS SHALL BE PERMITTED WITHOUT THE PRIOR AUTHORIZATION OF THE DISTRICT ENGINEER.
3. THE DEVELOPER AND CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE DISTRICT AT LEAST TWO (2) WEEKS BUT NO MORE THAN FOUR (4) WEEKS IN ADVANCE OF THE START OF WATER WORK.
4. CONTRACTOR TO PROVIDE CONSTRUCTION STAKING OF THE WATER SYSTEM FOR DISTRICT INSPECTION A MINIMUM OF 72 HOURS PRIOR TO THE START OF WORK.
5. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL UNDERGROUND UTILITIES BY CALLING THE UTILITY NOTIFICATION CENTER "ONE CALL" AT 1-800-424-5555 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO PROVIDE SUBMITTALS OF ALL WATER MATERIALS FOR THE DISTRICT'S REVIEW PRIOR TO THE PRECONSTRUCTION CONFERENCE.
7. ALL WATER MATERIALS SHALL CONFORM TO THE DISTRICT STANDARDS AND BE INSPECTED ONSITE BY THE DISTRICT'S INSPECTOR PRIOR TO THE CONSTRUCTION.
8. PIPING SHALL BE KEPT CLEAN AND DRY FROM THE FACTORY TO INSTALLATION. PIPE SHALL HAVE TEMPORARY CAPS THAT ARE FACTORY INSTALLED AND SHALL REMAIN IN PLACE UNTIL THE PIPE IS INSTALLED IN THE TRENCH.
9. WATER MAINS SHALL BE CLASS 52 CEMENT LINED DUCTILE IRON, SIZED AS NOTED ON THE PLANS. ALL MECHANICAL JOINTS SHALL BE FULLY MECHANICALLY RESTRAINED WITH A MECHANICAL RESTRAINT DEVICE (RJ).
10. CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY ON THE WORK SITE.
11. CONTRACTOR SHALL PROVIDE TRENCH SAFETY SYSTEMS FOR ALL EXCAVATIONS FOR WHICH A SAFE ENVIRONMENT IS REQUIRED IN COMPLIANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (RCW 49.17); SAFETY STANDARDS FOR CONSTRUCTION WORK (296-155 WAC); GENERAL SAFETY AND HEALTH STANDARD (296-24 WAC); GENERAL OCCUPATIONAL HEALTH STANDARD (296-22 WAC) AND ANY OTHER APPROPRIATE SAFETY AND HEALTH CODES.
12. CONTRACTOR TO POTHOLE ALL EXISTING UTILITIES TO VERIFY LOCATION AND DEPTHS PRIOR TO WATER MAIN INSTALLATION.
13. ALL WATER MAINS SHALL HAVE A MINIMUM DEPTH OF 42" AND A MAXIMUM DEPTH OF 60" COVER FROM THE FINAL GRADE UNLESS OTHERWISE APPROVED ON THE PLANS. PROJECT SITE SHALL BE WITHIN SIX (6) INCHES OF SUBGRADE PRIOR TO WATER MAIN INSTALLATION.
14. MINIMUM SEPARATION OF POTABLE WATER MAINS AND SANITARY SEWER SHALL BE TEN (10) FEET HORIZONTALLY AND EIGHTEEN (18) INCHES VERTICALLY FOR PERPENDICULAR OR OBLIQUE CROSSINGS, MEASURED FROM OUTSIDE EDGE TO OUTSIDE EDGE AND FIVE (5) FEET HORIZONTALLY AND TWELVE (12) INCHES VERTICALLY FROM OTHER UTILITIES. SITUATIONS OCCURRING WITH LESS THAN MINIMUM SEPARATION WITH SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CRITERIA FOR SEWAGE WORKS DESIGN" PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AND SUBJECT TO APPROVAL BY THE DISTRICT ENGINEER.
15. WATERMAIN MAY BE DEFLECTED AS NECESSARY; HOWEVER, MAXIMUM ALLOWABLE DEFLECTION AT EACH JOINT SHALL NOT EXCEED ONE-HALF (1/2) THE PIPE MANUFACTURER'S RECOMMENDED ALLOWABLE DEFLECTION.
16. ALL WATER VALVES SHALL BE OPERATED BY DISTRICT PERSONNEL ONLY.
17. ALL EXCESS EXCAVATED OR UNSTABLE MATERIAL SHALL BE REMOVED AND LAWFULLY DISPOSED OF BY THE CONTRACTOR.
18. THE DEVELOPER SHALL NOTIFY THE DISTRICT INSPECTOR AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL CONNECTIONS TO THE EXISTING SYSTEM. WATER SHUT OFFS REQUIRE A MINIMUM OF 72 HOURS PRIOR NOTIFICATION TO CUSTOMERS. SHUT OFFS ARE ONLY ALLOWED TUESDAY THROUGH THURSDAY 8AM TO 4PM. ALTERNATIVE HOURS, EVEN NIGHT CONNECTIONS, MAY BE REQUIRED IF THE SHUTDOWN AFFECTS SCHOOLS OR BUSINESSES. ALL WATER CONNECTIONS SHALL BE SUPERVISED BY THE DISTRICT INSPECTOR.
19. NO CONNECTIONS TO THE EXISTING SYSTEM SHALL BE ALLOWED UNTIL THE NEW CONSTRUCTION PASSES PURITY AND PRESSURE TESTS. NO MORE THAN FIVE (5) WORKING DAYS SHALL BE ALLOWED TO PASS BETWEEN TESTING RESULTS AND CONNECTION TO THE EXISTING SYSTEM WITHOUT THE NEED FOR RETESTING. ALL PIPE DISINFECTION AND VERIFICATION SHALL CONFORM TO AWWA C-651.
20. CONTRACTOR SHALL ADHERE TO ALL FEDERAL, STATE AND LOCAL LAWS AND REQUIREMENTS WHEN WORKING WITH ASBESTOS CEMENT (AC) WATER MAINS. ONLY PERSONNEL TRAINED AND CERTIFIED FOR WORKING WITH ASBESTOS CONTAINING MATERIALS SHALL WORK WITH THE AC PIPE. ALL AC REMOVED FROM THE TRENCH SHALL BE LAWFULLY DISPOSED OF BY THE CONTRACTOR.
21. ALL SERVICE/METER LOCATIONS SHALL BE FIELD APPROVED BY THE DISTRICT'S INSPECTOR PRIOR TO INSTALLATION.
22. ALL VALVE BOXES, HYDRANTS, GUARD POSTS AND VALVE MARKERS ON ABANDONED MAINS SHALL BE REMOVED AND LAWFULLY DISPOSED OF BE THE CONTRACTOR.

DEVELOPER EXTENSION GENERAL NOTES



APPROVAL DATE 10/21/2020	DRAWN SED	CHECKED DS
PLOTTING SCALE NTS		DETAIL NUMBER HWD STANDARD DETAIL 1

JSD
10/28/20