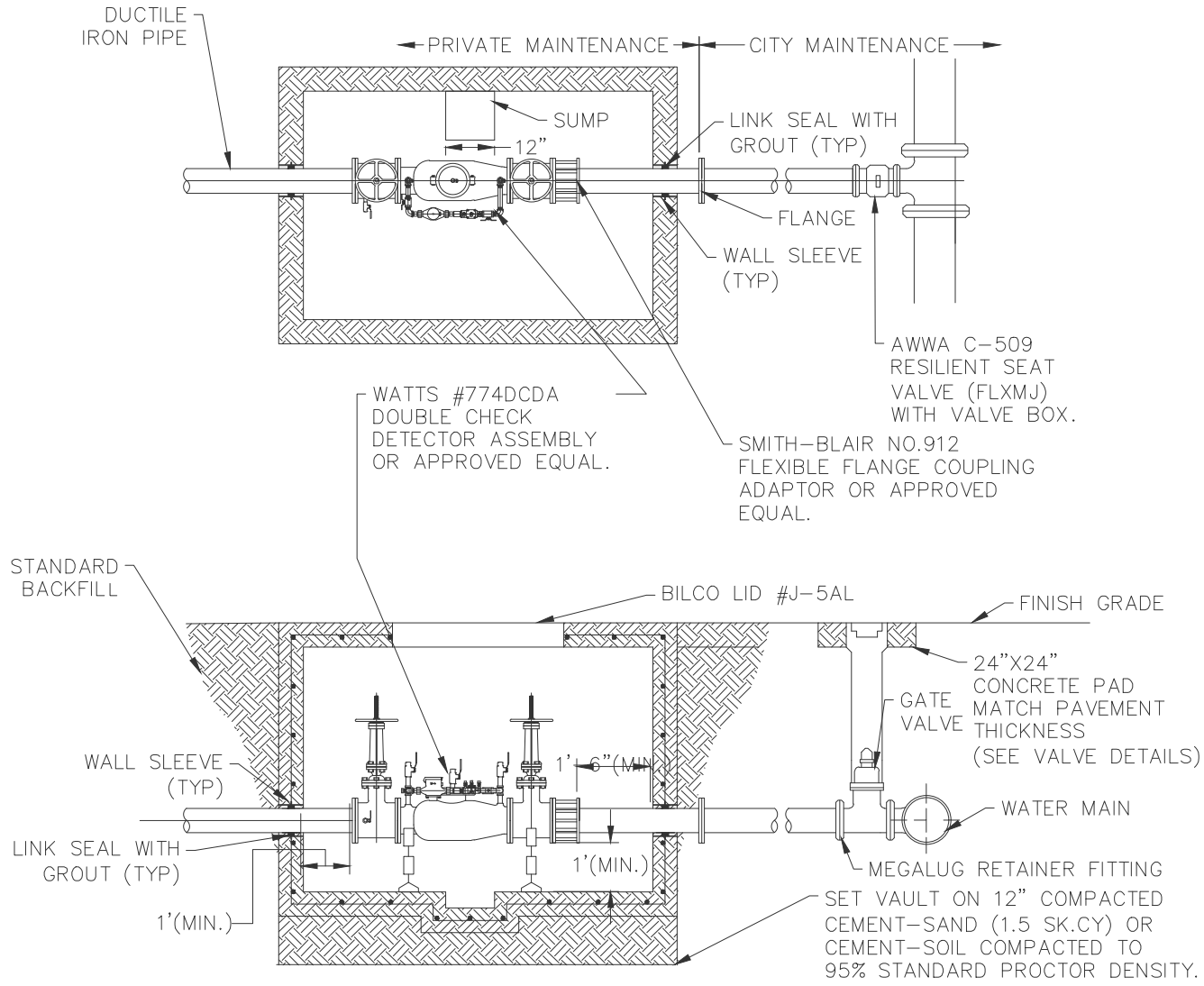

NOTES:

1. VAULT SHOWN FOR REFERENCE. SEE MANUFACTURER'S SPECIFICATIONS. MAINTAIN MINIMUM CLEARANCES SHOWN.
   A. CONCRETE AND REINFORCEMENT STEEL DESIGN FOR VAULT TO BE SUBMITTED FOR APPROVAL TO CITY ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
      A.1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MAXIMUM SLUMP OF 4 INCHES.
      A.2. ALL REINFORCING STEEL WILL BE CONTINUOUS AROUND THE CORNERS WITH A MINIMUM LAP OF 24 INCHES.
   B. BILCO LID J-5AL (42"X42") OR APPROVED EQUAL SHALL BE INSTALLED IN TOP, CONTRACTOR SHALL FURNISH TWO (2) BILCO KEY WRENCHES WITH EACH INSTALLATION.
   C. CONTRACTOR IS TO PROVIDE ADJUSTABLE SUPPORTS UNDER VALVES AND DETECTOR CHECK.
   D. VAULT DEPTH SHOULD BE A MINIMUM OF 4'-0".
   E. MINIMUM 5'-0" CLEARANCE ON ALL SIDES.
2. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF KELLER'S STANDARD SPECIFICATIONS.
3. CONTRACTORS SHALL NOTIFY THE UTILITY INSPECTOR AT LEAST 48 HOURS PRIOR TO BEGINNING OF INSTALLATION.
4. ALL UNDERGROUND PIPE AND FITTINGS FOR FIRE LINE TO BE VISUALLY INSPECTED BY THE CITY UTILITY INSPECTOR AND TESTED PRIOR TO BACKFILL.
5. ALL PROPOSED TAPS ON THE EXISTING WATER MAINS FOR PROPOSED FIRE LINES SHALL BE COORDINATED WITH THE CITY UTILITY INSPECTOR.
6. ALL DUCTILE IRON WATER PIPE SHALL MEET SPECIFICATIONS ANSI/AWWA-C150, CLASS 50 WITH 8 MIL POLYETHYLENE TUBE WRAP PER ANSI/AWWA C105/A21.5 AND CEMENT LINING ACCORDING TO ANSI/AWWA-C104/A21.4.
7. THE CONTRACTOR IS TO SUPPLY THE CONSTRUCTION INSPECTOR WITH LITERATURE, TAGS AND INSPECTION APPROVAL FORMS.
8. THE DETECTOR CHECK SHALL BE INSPECTED BY A CERTIFIED FIRE LINE BACKFLOW INSPECTOR AND REPORTS SUBMITTED TO THE CONSTRUCTION INSPECTOR. THIS INSPECTION IS REQUIRED ON A YEARLY BASIS, BY OWNER.
9. SEE MANUFACTURER SPECIFICATIONS FOR VAULT SIZING.

City of KELLER

WATER CONSTRUCTION DETAILS

DETECTOR CHECK VAULT INSTALLATION

REVISION DATE: 2/1/2024

SHEET: W-10