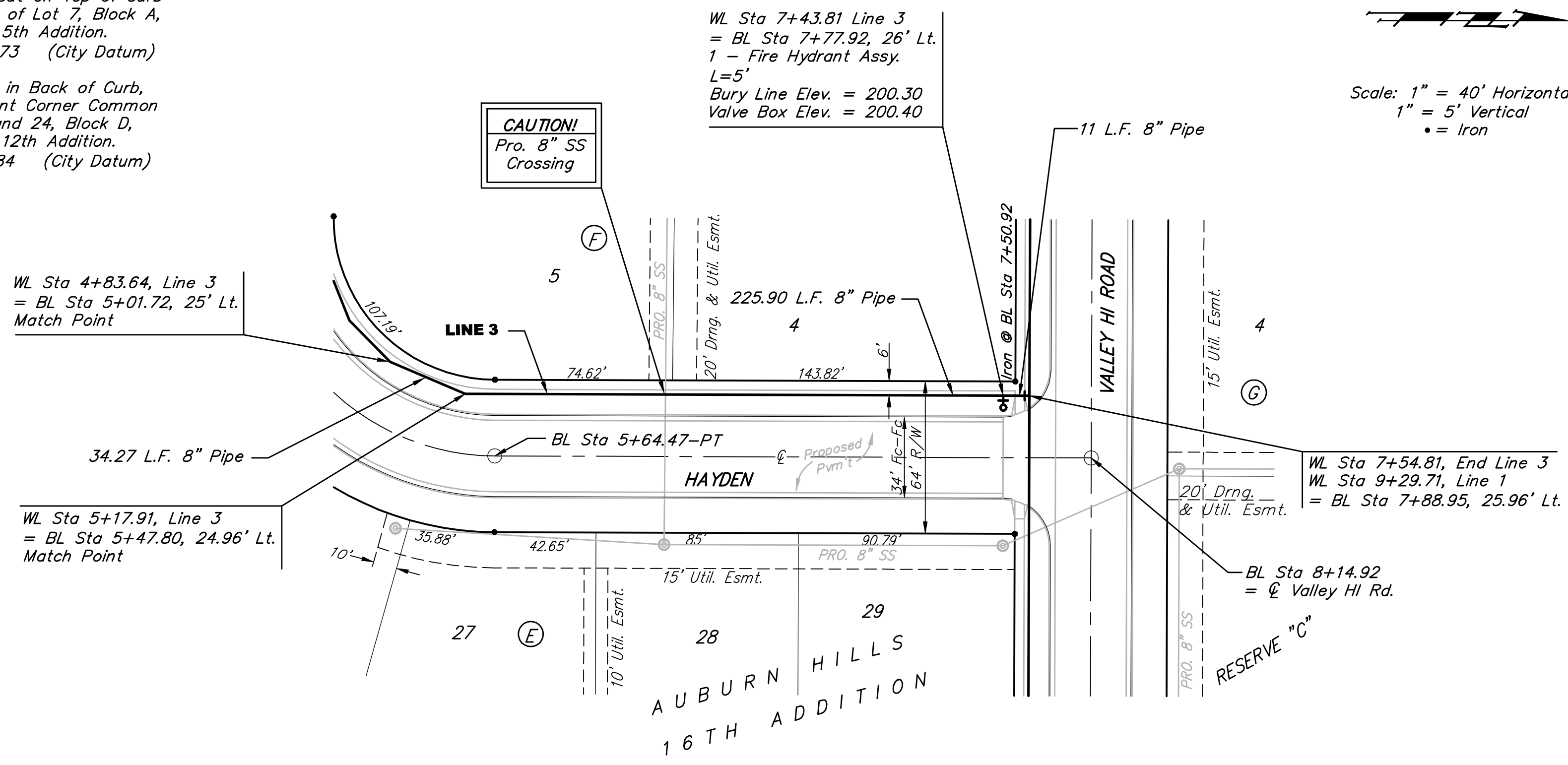
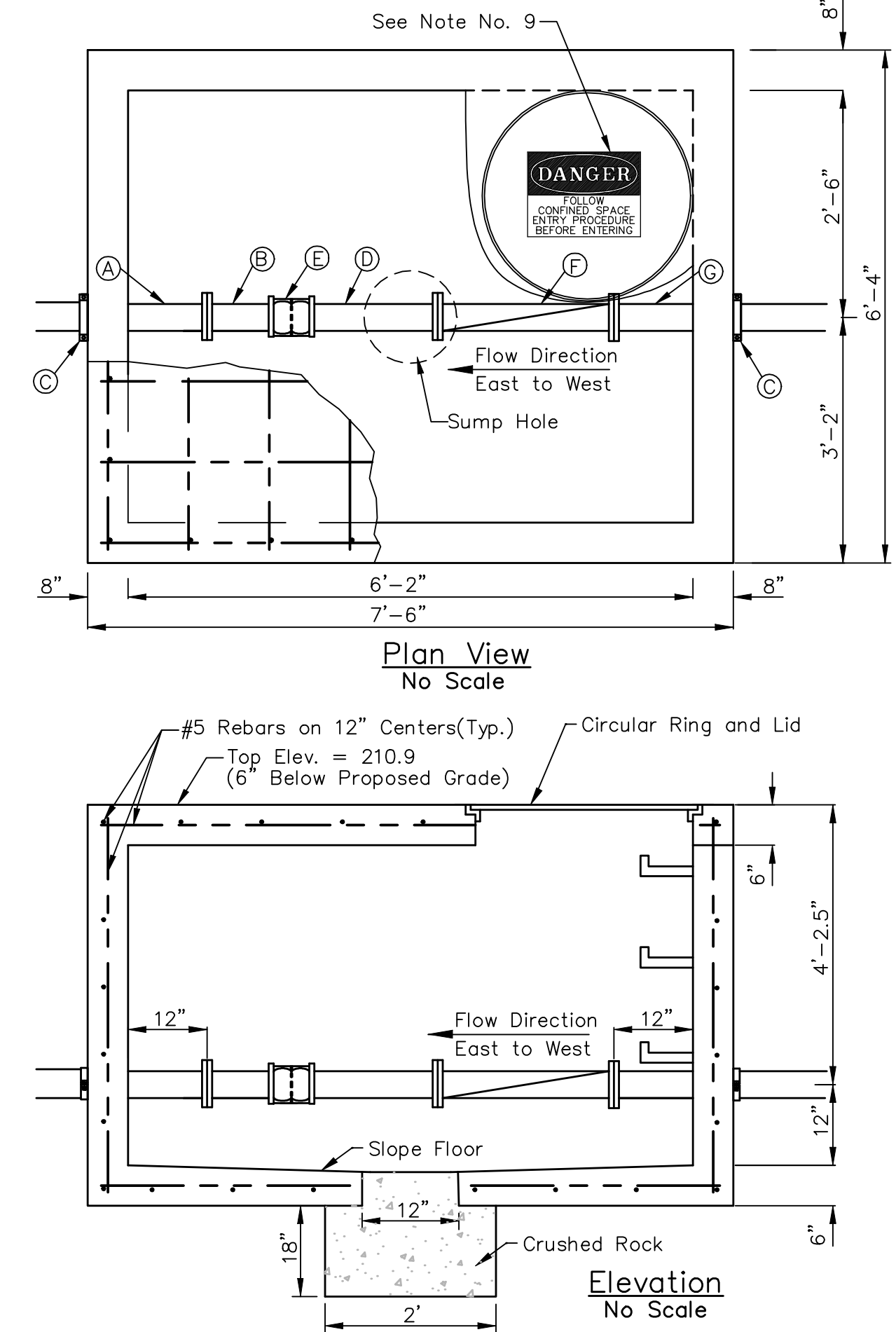


BENCHMARKS:
 BM #1: "C" Cut on Top of Curb at West Line of Lot 7, Block A, Auburn Hills 5th Addition. Elev. = 207.73 (City Datum)
 BM #2: Disc in Back of Curb, North of Front Corner Common to Lots 23 and 24, Block D, Auburn Hills 12th Addition. Elev. = 191.84 (City Datum)

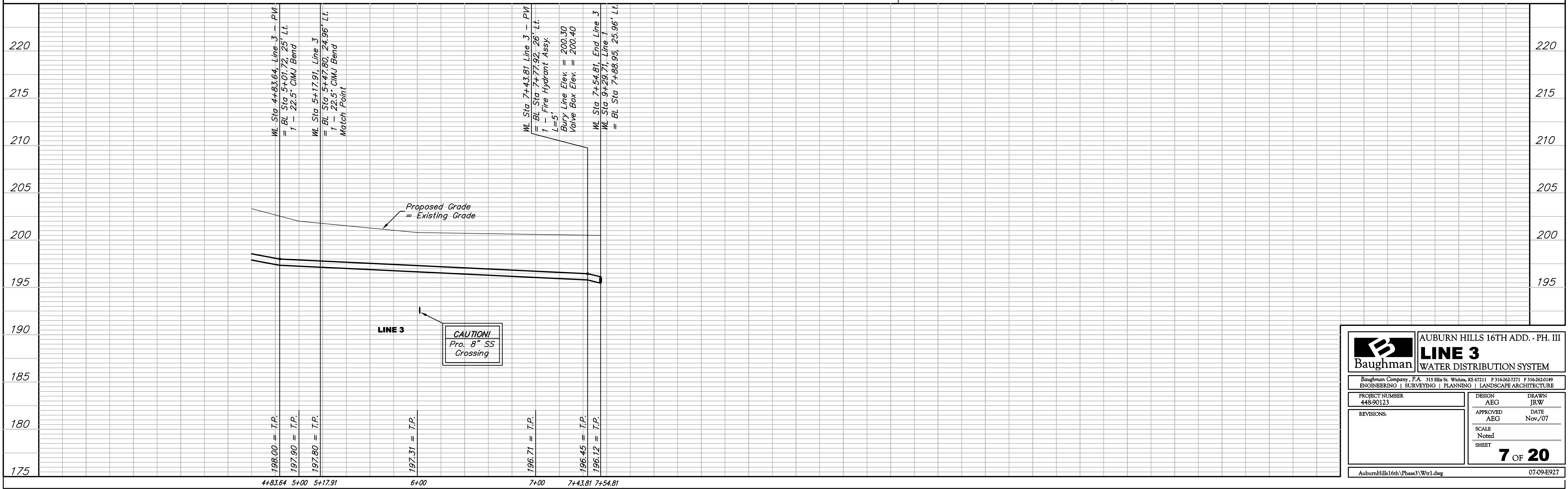


Scale: 1" = 40' Horizontal
 1" = 5' Vertical
 • = Iron

CHECK VALVE VAULT DETAILS



- Legend:**
 A - 6.67' - 8" DI CL Fl. x PE Pipe
 B - 8" x 11" DI CL Fl. x PE Spool
 C - 8" Mega Lug (See Note No. 8)
 D - 8" x 12" DI CL Fl. x PE Spool
 E - 8" Flex Coupling
 F - 8" Horizontal Swing Check Valve
 G - 6.67' - 12" DI CL Fl. x PE Pipe
- Vault Notes:**
- The valves, pipes, fittings, etc. constructed in the vault shall comply with the City of Wichita Standard Specifications.
 - When the standard vault dimensions are not applicable, such as when additional space is required for special pipe fittings, additional meters, etc. the department shall design a vault with the required dimensions.
 - Vault location to be verified by Wichita Water & Sewer field personnel prior to installation of construction. A final inspection will be required for acceptance.
 - The manhole ring and lid shall be Neenah R-6034 Frame with Type "C" Solid Lid and Drop Down Handle.
 - The Contractor shall provide an outlet flange connection as shown 12-inches from the inside wall. Inlet and outlet wall sleeves shall be provided by the Contractor and shall be in alignment with one another. The inlet and outlet pipe must be ductile iron pipe, cement lined, epoxy coated, class 250 per City of Wichita Standard Specifications and shall be continuous through vault wall.
 - Access steps @ 1'-4" centers and 6" from the inside wall. Approved material must be Clay & Bailey No. 2102, aluminum steps or copolymer polypropylene plastic PS2-PF.
 - Use of an extended throat for landscaping purposes shall meet the following:
 - The throat may not extend more than 6" above the top of the vault.
 - The throat must be secured in place with concrete.
 - The watertightness will require a mega lug or restrained joint on the exterior wall of the vault on the inlet and outlet side, which shall be manufactured of ductile iron conforming to ASTM A 536-80. Heat treated to a minimum hardness of 370 BHN and have a working pressure of at least 260 psi.
 - A "Confined Space Warning" sign must be fastened to the top of the vault. If necessary for landscaping, the sign may be fastened to the vault lid if it does not impede access to the handle. Acceptable materials: Aluminum 73415HH, Plastic 73439HH, or S.A. Vinyl 73463HH.
 - Construction of the valve vault shall include, but not be limited to the concrete vault structure, manhole ring and lid, throat extension, check valve, coupling, mega lugs, ductile iron piping to the limits shown (Line 3, Sta. 11+58.95 to Sta. 11+76.45), and all appurtenances necessary to complete the vault construction. This work shall be paid for at the unit price for Check Valve Vault Construction.



| | | | |
|---|-----------------|----------------------------------|----------------|
| Baughman | | AUBURN HILLS 16TH ADD. - PH. III | |
| LINE 3 | | WATER DISTRIBUTION SYSTEM | |
| Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE | | | |
| PROJECT NUMBER 448-90123 | DESIGN AEG | DRAWN JRW | |
| REVISIONS: | APPROVED AEG | DATE Nov./07 | |
| | SCALE Noted | | |
| | SHEET | | 7 OF 20 |
| AuburnHills16th/Phase3/Wr1.dwg | | | 07-09-E927 |