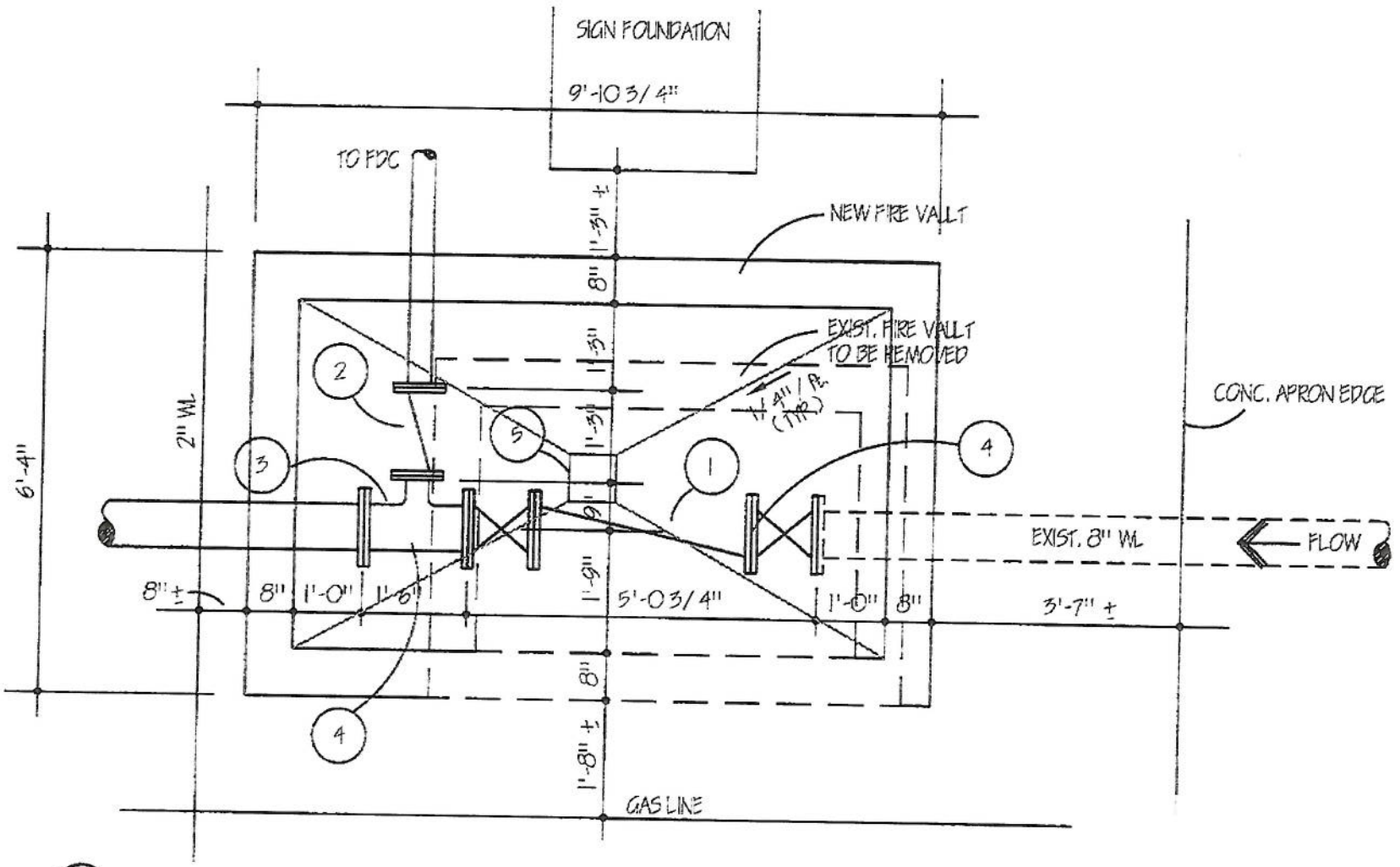
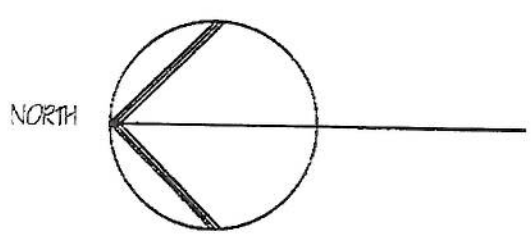


1. WILKENS MODEL 350DA DOUBLE CHECK DETECTOR ASSEMBLY
2. 4" CHECK VALVE
3. 8 x 8 x 4 TEE
4. PROVIDE CONC. PEDESTAL SUPPORT AT TEE AND NORTH VALVE END
5. 8" SQ. FLOOR DRAIN FILL WITH 3/4" CRUSHED ROCK



NOTE: 1) PROVIDE 12" CLR TO BOT. OF 8" PIPE
2) REFER TO CITY OF WICHITA STANDARD VAULT DETAILS FOR ADDITIONAL REQUIREMENTS NOT INDICATED ON THE PLAN SKETCH

PRECAST CONCRETE VAULT COMPONENTS

A. The concrete work structure (walls, base and top) shall be designed for H-20 traffic loading. The materials and structural design of the devices shall be per ASTM C857 and ASTM C858.
B. The minimum compressive strength of the concrete shall be 4000 psi.
C. Cement shall conform to the requirements for Portland cement of Specification C150.
D. Aggregates shall conform to Specification C33, except that the requirement for gradation shall not apply.
E. Reinforcement shall consist of bars of Grade 60 steel conforming to Specification A615/A615M.
F. The access cover shall be designed for HS20-44 traffic loading and shall provide a minimum 30 inch clear opening.
G. All joints shall be waterproof with wrapped gaskets or sealed with a mastic treatment.
H. Any grout used within the system shall meet the ASTM C 1107 "Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Non-Shrink)". Grades A, B and C at a pourable and plastic consistency at 70°F. CRD C 621 "Corps of Engineers Specification For Non-Shrink Grout."