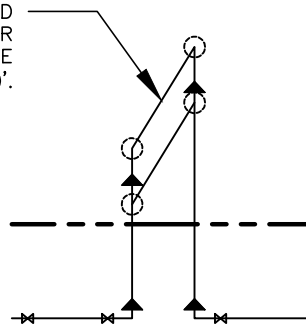
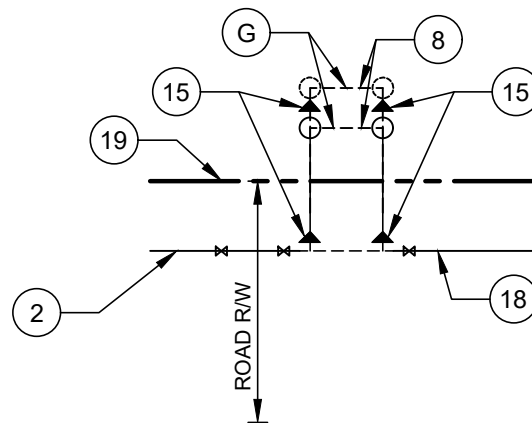


SECTION VIEW

THE VERTICAL 90s ALLOW ODD ALIGNMENT OF THE JUMPER ASSEMBLIES TO ACCOMMODATE THE MAX CONNECTION LENGTH OF 20'.



PLAN VIEW



TYPICAL LOCATION SCHEMATIC FOR LARGER MAINS

PLAN VIEW N.T.S.

- | NO. | DESCRIPTION: |
|-----|---|
| 1. | VERIFY THRUST RESTRAINT AND IMPROVE AS NECESSARY. |
| 2. | EXISTING WATER MAIN. |
| 3. | EXISTING MAINLINE VALVE. |
| 4. | GATE VALVE AND VALVE BOX REQUIRED IF EXISTING STUB OUT HAS BEEN ACTIVATED. |
| 5. | 24" PVC PIPE OR PRECAST CONC. GRADE RINGS. |
| 6. | FRAME AND COVER. |
| 7. | WATERTIGHT CAPS REQUIRED WHEN RP IS NOT IN PLACE. |
| 8. | 4" TO 10" (VARIES WITH PIPE SIZE) REDUCED PRESSURE (RP) PRINCIPLE BACK FLOW PREVENTER(S), ABOVE GROUND. |
| 9. | CORPORATION STOP - POTABLE WATER SOURCE GATE VALVE AND VALVE BOX REQUIRED. |
| 10. | PROP. CONC. BLOCKING PER STD. DETAIL. |
| 11. | 4" TO 10" ULTRASONIC WATER METER(S) |
| 12. | CLOSE WITH RJ LONG PATTERN SOLID SLEEVE. |
| 13. | PIPE SPACERS AS REQUIRED MAX OPEN GAP IN PIPE IS 0.25 INCHES. |
| 14. | RESTRAINED JOINT REDUCER(S) |
| 15. | CUT EXISTING PIPE - REMOVE BELL, PLUG AND BLOW OFF. |
| 16. | EXISTING CONC. BLOCKING ON 16" AND LARGER MAINS. |
| 17. | PROPOSED 16" OR LARGER WATER MAIN PROPERTY LINE OR ROAD R/W. |
| 18. | CORPORATION STOP - INJECTION POINT - CHLORINE OR WATER |
| 19. | |
| 20. | |

- NOTES:
- A. THIS IS THE ONLY CONNECTION ALLOWED BETWEEN EXISTING WATER SYSTEM AND PROPOSED MAIN UNTIL ACTIVATION AND FINAL CONNECTIONS ARE APPROVED BY CLT WATER.
 - B. VALVES ON EXISTING WATER SYSTEM TO BE OPERATED BY CLTW EMPLOYEES ONLY.
 - C. ALL PIPE AND FITTINGS SHALL BE OF RESTRAINED JOINT TYPE AS DETERMINED BY THE CONTRACTOR. (PIPE SHOWN AS FLANGE FOR EASE OF DRAWING ONLY).
 - D. THIS DRAWING IS A SCHEMATIC FOR INTENT ONLY. PIPING AND CONFIGURATION MAY BE ALTERED BY THE CONTRACTOR, SUBJECT TO CLT WATER APPROVAL.
 - E. PIPE AND FITTINGS SHALL BE SAME SIZE AS REQUIRED.
 - F. REFER TO APPROPRIATE STANDARD DETAIL WITH NEW WATER MAIN JUMPER SCHEMATIC FOR MORE INFORMATION ON INSTALLING AN OPERATION OF THE JUMPER.
 - G. LARGE DIAMETER MAINS MAY REQUIRE MULTIPLE PARALLEL JUMPER/BACKFLOW ASSEMBLIES TO OBTAIN THE REQUIRED MINIMUM FLUSHING VELOCITIES. THE SEALING ENGINEER SHALL RUN HYDRAULIC CALCULATIONS TO DETERMINE THE REQUIRED SIZE AND NUMBER OF ASSEMBLIES REQUIRED FOR FLUSHING VELOCITIES.