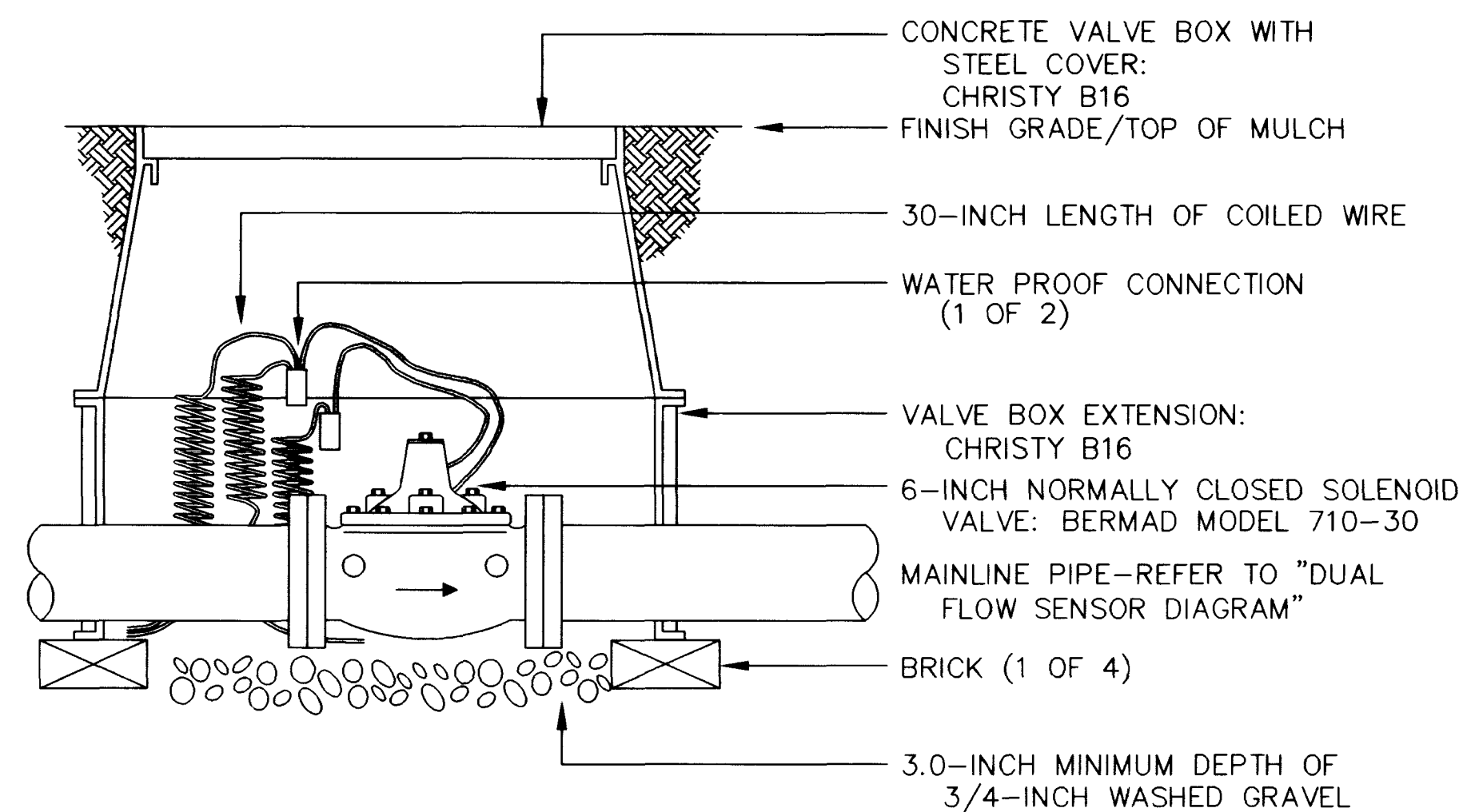
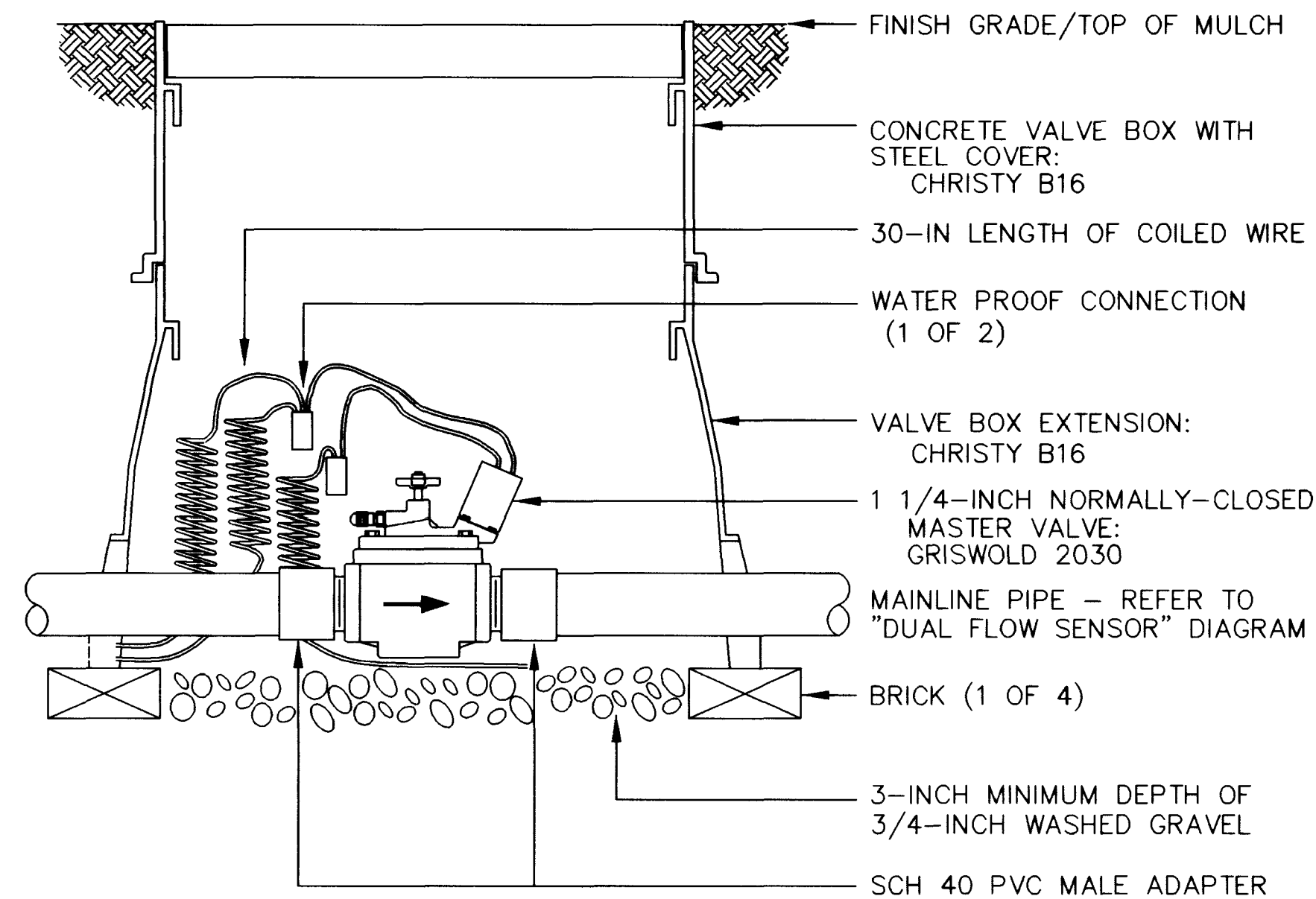
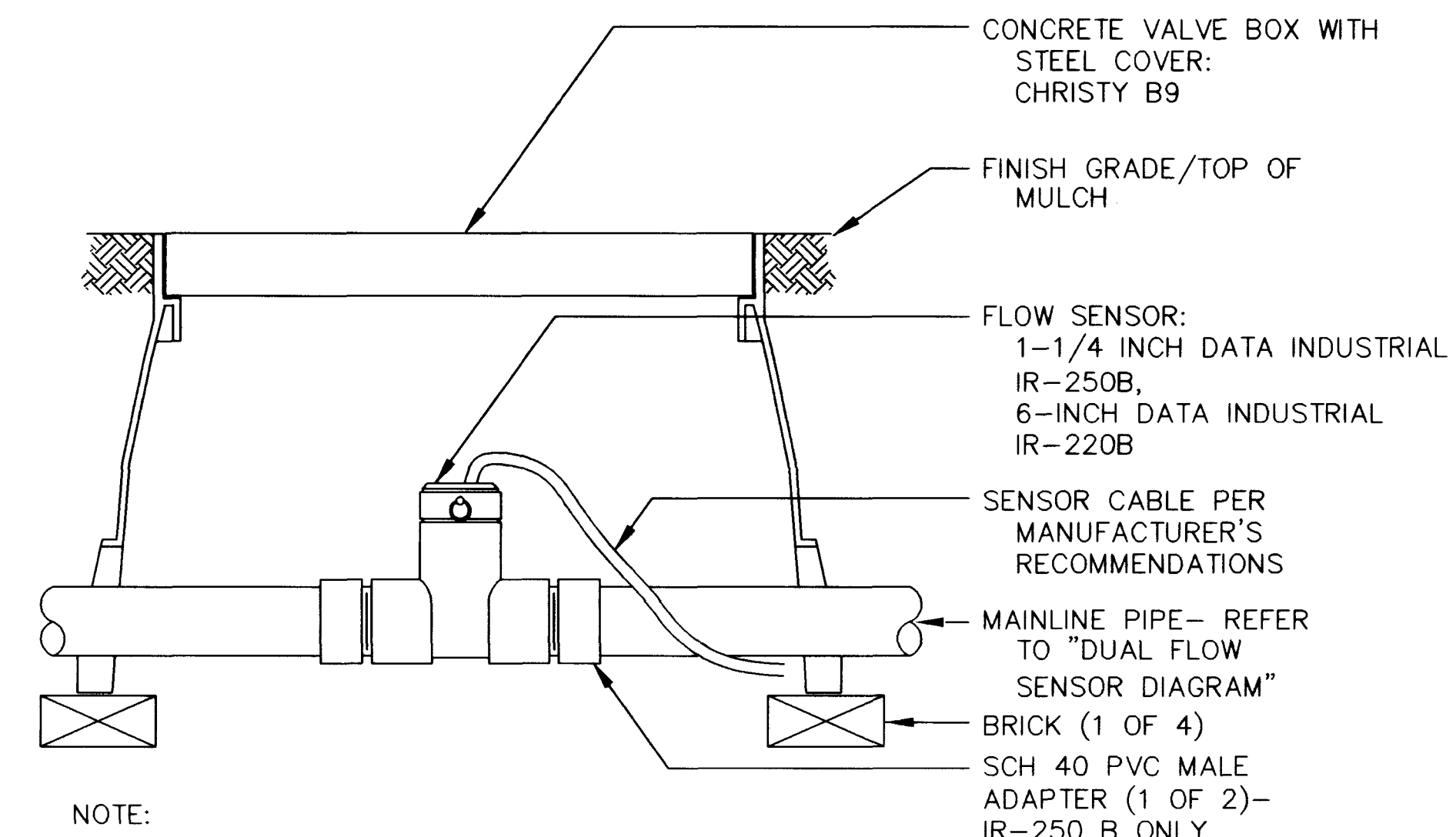




1) 6" MASTER VALVE
ASSEMBLY (NORMALLY CLOSED)



2) 1 1/4" MASTER VALVE
ASSEMBLY (NORMALLY CLOSED)



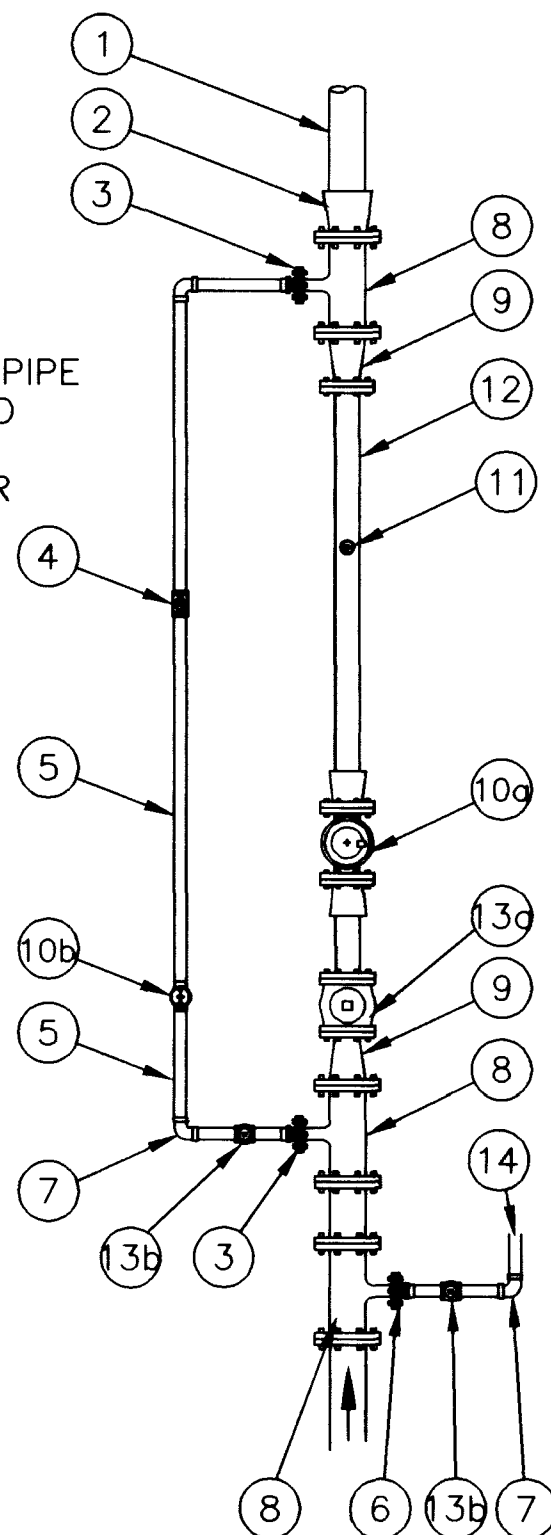
NOTE:

1. ALLOW 10 PIPE DIAMETERS UPSTREAM AND 5 PIPE DIAMETERS DOWNSTREAM OF STRAIGHT RUN OF PIPE TO ACHIEVE PROPER FLOW REGIME.
2. INSTALL SMITH-BLAIR MODEL 315 SERVICE SADDLE (OR APPROVED EQUAL) WITH 2" NPT TAP FOR PIPE CONNECTION TO DATA INDUSTRIAL IR-220B FLOW SENSOR.

3 FLOW SENSOR ASSEMBLY

- ① 10-INCH PVC IRRIGATION MAINLINE
- ② 10-INCH MJ X GASKET TRANSITION FITTING
- ③ 3" X 1-1/4" MJ TAPPED PLUG AND 1-1/4" SCH 40 PVC MALE ADAPTER
- ④ DATA INDUSTRIAL MODEL IR-250B FLOW SENSOR. WIRE TO F69300 OUTPUT DECODER INSTALLED IN CONTROLLER "A" PEDESTAL
- ⑤ 1-1/4-INCH CL200 PVC PIPE, LENGTH AS REQUIRED
- ⑥ 3" X 2" MJ TAPPED PLUG AND 2-INCH SCH 40 PVC MALE ADAPTER
- ⑦ SCH 40 PVC EL (TYPICAL)
- ⑧ 10" X 10" X 3" MJ TEE
- ⑨ 10" X 6" MJ REDUCER
- ⑩ 24 VAC NORMALLY CLOSED MASTER VALVES:
 - a. 6" BERMAID 710-30 WITH MJ X FLANGE ADAPTER
 - b. 1-1/4" GRISWOLD 2030

- (11) DATA INDUSTRIAL MODEL
IR-220B FLOW SENSOR
MOUNTED IN 2-INCH
NPT SERVICE SADDLE.
WIRE TO F69300 OUTPUT
DECODER INSTALLED
IN CONTROLLER "B"
PEDESTAL.
- (12) 6-INCH CL50 DUCTILE IRON PIPE
WITH MJ CONNECTIONS AND
2-INCH TAPPED SERVICE
SADDLE FOR FLOW SENSOR
- (13) ISOLATION GATE VALVE:
 - a. 6-INCH SIZE WITH
MJ ENDS
 - b. 1-1/4 INCH SIZE
WITH THREADED ENDS
- (14) 2-INCH PVC MAINLINE PIPE
FOR QUICK COUPLING
VALVES ONLY

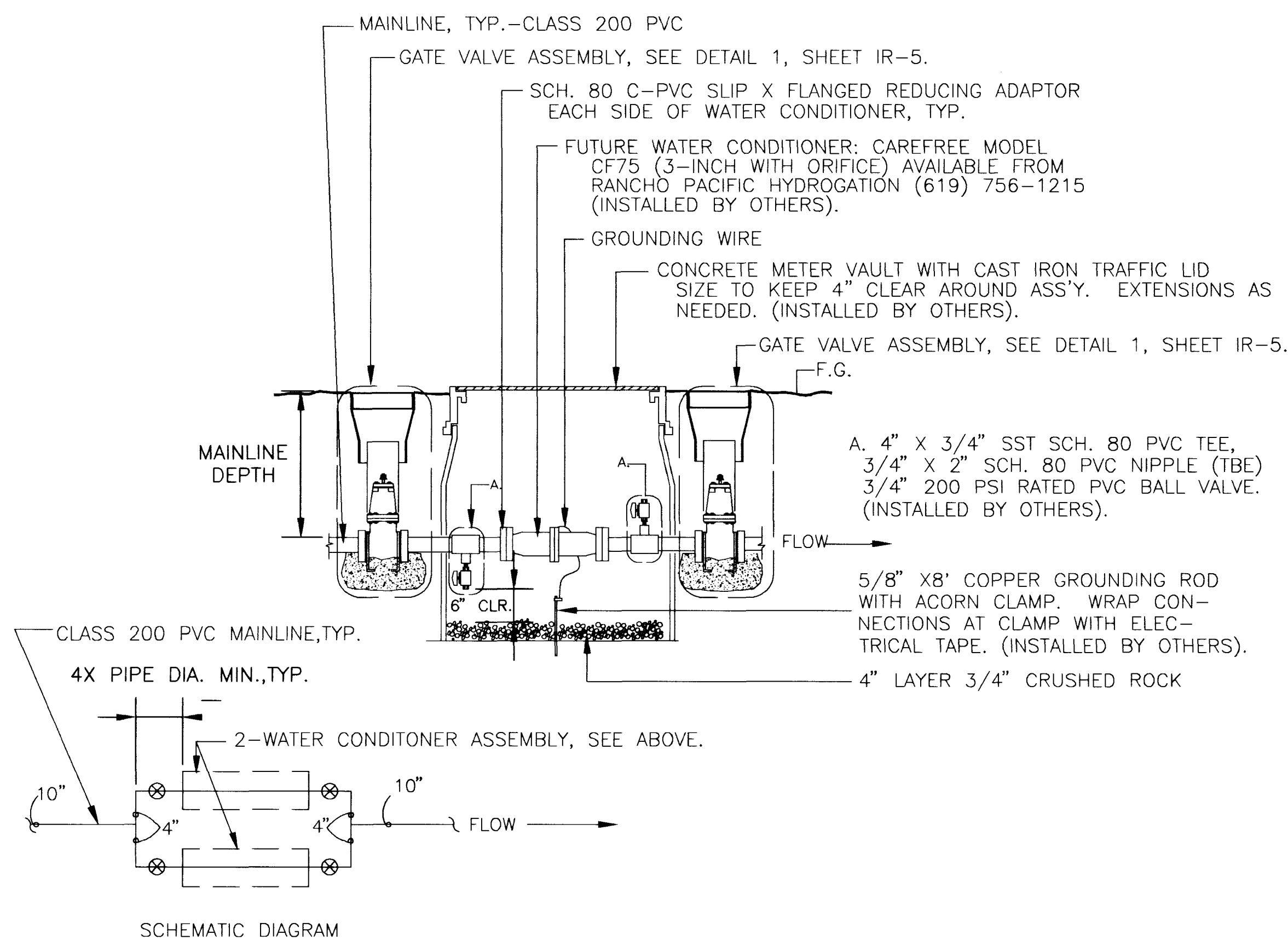


NOTE:

1. ALLOW 10 PIPE DIAMETERS UPSTREAM AND 5 PIPE DIAMETERS DOWNSTREAM OF STRAIGHT RUN OF PIPE TO ACHIEVE PROPER FLOW REGIME.

4) DUAL FLOW SENSOR DIAGRAM

13176



5) WATER CONDITIONER ASSEMBLY

- NOTES:

1. THIS DETAIL IS A CITY OF LAS VEGAS
STANDARD DETAIL. QUESTIONS OR COMMENTS SHOULD
BE DIRECTED TO CITY OF LAS VEGAS
REPRESENTATIVES.

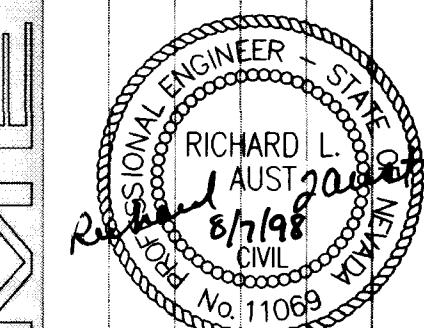
2. INSTALL MAINLINE PIPE ASSEMBLY AND GATE VALVE ASSEMBLIES UNDER THIS CONTRACT. WATER CONDITIONER COMPONENTS AND VAULT WILL BE PROVIDED AND INSTALLED BY OTHERS UNDER SEPARATE CONTRACT IN THE FUTURE. CONTRACTOR SHALL INSTALL 72-INCH MINIMUM LENGTH OF 4" PVC MAINLINE PIPE BETWEEN GATE VALVES FOR INTERIM ASSEMBLY.



Aqua Engineering, Inc.
Irrigation System Design, Water Management,
and Water Feature Engineering

**ELKHORN AND DURANGO
BALLFIELD COMPLEX**

IRRIGATION DETAILS



DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6533
FAX: (702) 382-3233
TDD: (702) 386-9100

	ARCHITECT	
	RICHARD DANIELSON	

DRAWN DGM/JHH

FILE	PD-ELK
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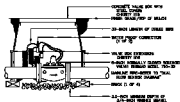
DATE	JULY 199
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SCALE	N/A
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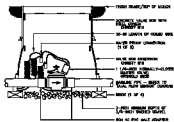
PROJECT	ELKHORN AND DURANGO BALLFIELD COMPLEX
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IR-4
SHEET 21 OF 5

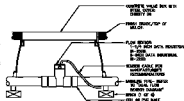
675-V35



1 6" MASTER VALVE
ASSEMBLY NORMALLY CLOSED



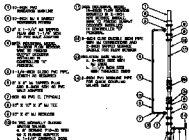
2 1 1/4" MASTER VALVE
ASSEMBLY NORMALLY CLOSED



2000

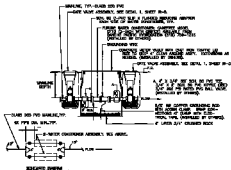
1. ALLOW 10 FIVE INCHES UPSTREAM AND 5 FIVE INCHES DOWNSTREAM OF STRAIGHT RUN OF PIPE TO AVOID PROPER FLOW NOISE.
2. INSTALL BATH-ROOM WOOD 2x6 BOARD SABLE (OR APPROVED EQUAL) WITH 2" W/2 TWO FOR FIVE COMPASSION TO DATA FURNITURE. 10-1000 FIVE BOARD.

3 FLOW SENSOR ASSEMBLY



23

1. ALLOW TO FIVE CHARTERS (MAYBE) AND A FIVE CHARTERS (MAYBE) OF STEAMER RUN OF ONE TO SEVEN (MAYBE) EACH YEAR.



522

- [illegible]

6 WATER CONDITIONER
150-111 V

6 WATER CONDITIONER
150-111 V