




**ADDENDUM NO. 1**  
**TO**  
**PLANS & SPECIFICATIONS**  
**FOR THE**  
**WATER MAIN REPLACEMENT AT VARIOUS LOCATIONS**  
**IN**  
**ANTIOCH, CALIFORNIA**  
**P.W. 503-15**

**ISSUED**  
**September 23, 2015**

This Addendum No. 1 must be signed by the bidder and attached to the CONTRACT PROPOSAL PACKAGE for consideration by the City. The City reserves the right to disregard any proposal, which does not include this Addendum. The City may waive this requirement at its sole discretion.

SEE ATTACHED ADDENDUM ITEMS

Prepared By:

  
Scott Buenting, P.E.



**BIDDER'S CERTIFICATION**

I acknowledge receipt of this Addendum No. 1 and accept all conditions contained herein.

\_\_\_\_\_  
Bidder

\_\_\_\_\_  
By:

- 1) Section C-12, "Copper Water Service" is amended to include the following:  
"Corporation stops shall be Mueller B-25008 or Engineer approved equivalent."
- 2) Section C-14, "Pressure Regulating Station" is amended to state the following:

"In the area shown on the plans, the Contract shall furnish and install a pressure regulating station that will operate to control the flow of water between Zone 2A, east and Zone 2, east of the City of Antioch's water distribution system. Pressure regulating station equipment shall be installed per the manufacturer's recommendations unless otherwise modified in these Special Provisions and Plans and as directed by the Engineer.

Pressure regulating station connection piping shall be six inch (6") Class 150 ductile iron pipe conforming to ANSI/AWWA C151/A21.51 and ANSI/AWWA C150 and be installed in conformance with Section C-11, "Water Mains", of these Special Provisions. Pipe shall be coated with an asphaltic coating approximately one-millimeter (1 mm) thick and be cement mortar lined per ANSI/AWWA C104/A21.4. Tie-backs and restraints, as approved by the Engineer, shall be provided on all Pressure regulating station connection piping.

All fittings shall be Class 250 ductile iron. All fittings shall have an asphaltic coating and cement mortar lining and shall conform to the appropriate sections of ANSI/AWWA C153/A21.53 and ANSI/AWWA C110/21.10.

Buried ductile iron pipe, fittings and valves shall be encased in 8-mil thick polyethylene tube or sheet enclosure in accordance with ANSI/AWWA C105/A21.5-82. Additionally, where fittings and valves cross other buried metal pipelines, the fittings and valves shall be double encased in polyethylene (16 mil).

Gate valves shall be bronze gate type, double disc, parallel seat, non-rising stem with "O" ring seals, close clockwise, and shall be Mueller No. A-2360 or A-2380 gate valves or equal, as approved by the Engineer.

- A. Pressure Control Valves. Pressure control valves shall be installed in the location shown on the plans per the details shown on the plan.

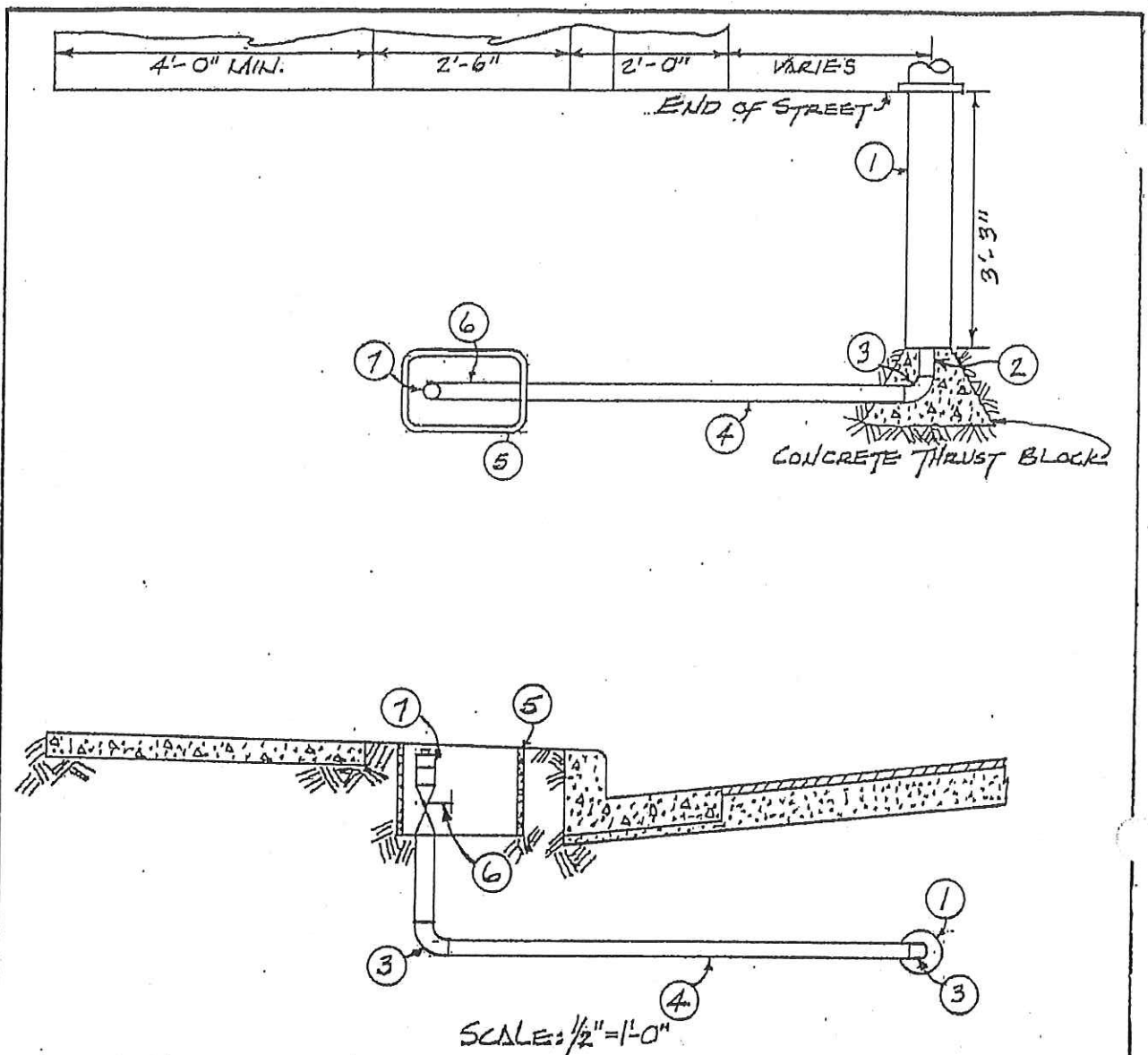
Pressure reducing control valves shall be Ames Model 910-48-34, or an Engineer approved equivalent, modified as necessary to meet the requirements of this specification. Pressure reducing control valves shall be six-inch (6") globe style, with flanged connections. Oil filled pressure gauges shall be provided on the main pressure reducing control valves.

Bypass pressure reducing control valves shall be two inch (2") globe style, with flanged connections. Bypass pressure reducing control valves do not require pressure gauges and shall be capable of manual adjustment.

- B. Pressure Control Valve Body and Cover. Valve body and cover shall be constructed of ASTM A635 ductile iron, ASTM A126 cast iron or type 304L stainless steel pipe. Disk guide and seat shall be type 304, stainless steel. Flanged connections shall be 300-pound class
- C. Bypass Line. Bypass lines shall be two inch (2"), Type "K", copper installed within the pressure regulating station vault. The bypass line shall not be closer than six inches (6") from the walls of the vault.

- D. Pressure Regulating Station Vault. Pressure regulating station vaults shall be Christy Concrete Products, Inc., Model R37 with extensions, or an Engineered approved equivalent installed in the location shown on the plans. Vaults shall have a spring loaded; two-piece galvanized steel, checker plate cover.
  - E. Training. The valve manufacturer shall provide the services of a factory-trained person for initial settings of valve controls and at least 4 hours of training in the operation and maintenance of the pressure control valves.
  - F. Blow-Assembly. At the locations shown on the plans, the Contractor shall install two-inch (2") blow-off assemblies as per City of Antioch Standard Construction Detail No. CD-30, "Standard Water Main Blow-off Assembly", including all pipe, fittings, valves, precast concrete meter boxes, covers and thrust blocks. All pipe and fittings shall be Type "K" copper.
  - G. Excavation and Backfill. Excavation and backfill for pressure regulating station shall conform to Section C-6, "Trench Excavation and Backfill".
  - H. Payment. The contract lump sum price furnishing and installing the pressure regulating station shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing pressure regulating stations, including connections to existing water main and associated gate valves and piping all fittings, valves, blow-off assembly, vaults, trench excavation, backfill and compaction, import material and trench surface restoration as necessary, thrust and anchor blocks, chlorination and testing, and connections to the existing City water system, complete in place, as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer."
- 3) The attached City of Antioch Standard Construction Detail No. CD-30, "Standard Water Main Blow-off Assembly", is included in the Special Provisions.
  - 4) The attached revised Sheet 5R shall be use in lieu of Sheet 5 of the Project Plans.





1. Supply Line
2. 2" Nipple-Bronze
3. 2" Elbow-Bronze
4. 2" Pipe
5. Precast concrete meter box, Christy No. B3 with Type D10 lid.
6. 2" Ball Valve, 150 psi, Bronze, Non Rising Stem, & Corporation stop, Bronze.
7. 2" Coupling, plugged.

Pipe and fittings shall be Type K copper.

COMMUNITY DEVELOPMENT DEPARTMENT  
ENGINEERING DIVISION CITY OF ANTIOCH, CALIFORNIA

Drawn by:

Tony Sokol

Date: 2-10-75

REV. 6-30-94

2-9-96

## STANDARD WATER MAIN BLOW-OFF ASSEMBLY

CD-30

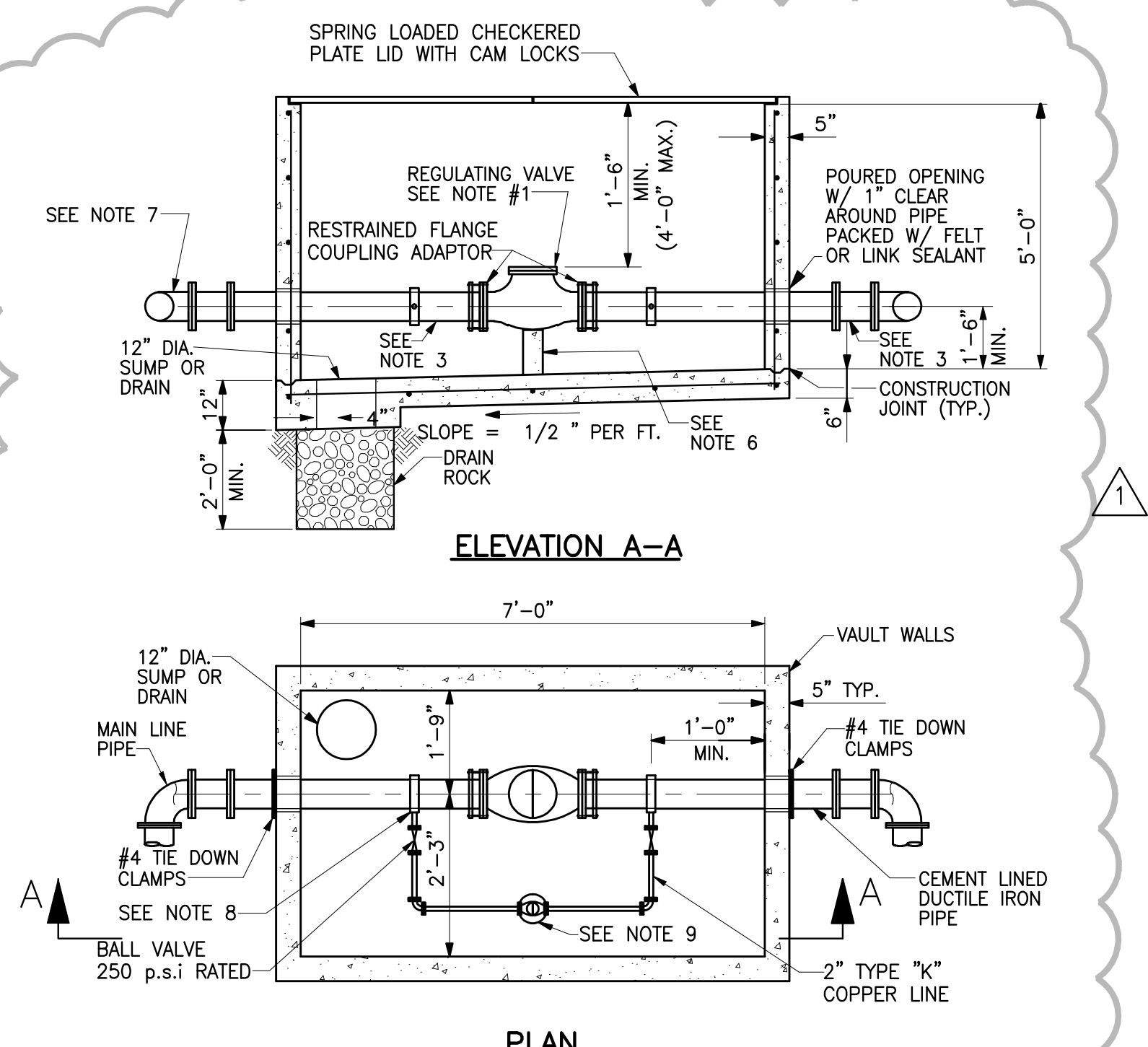
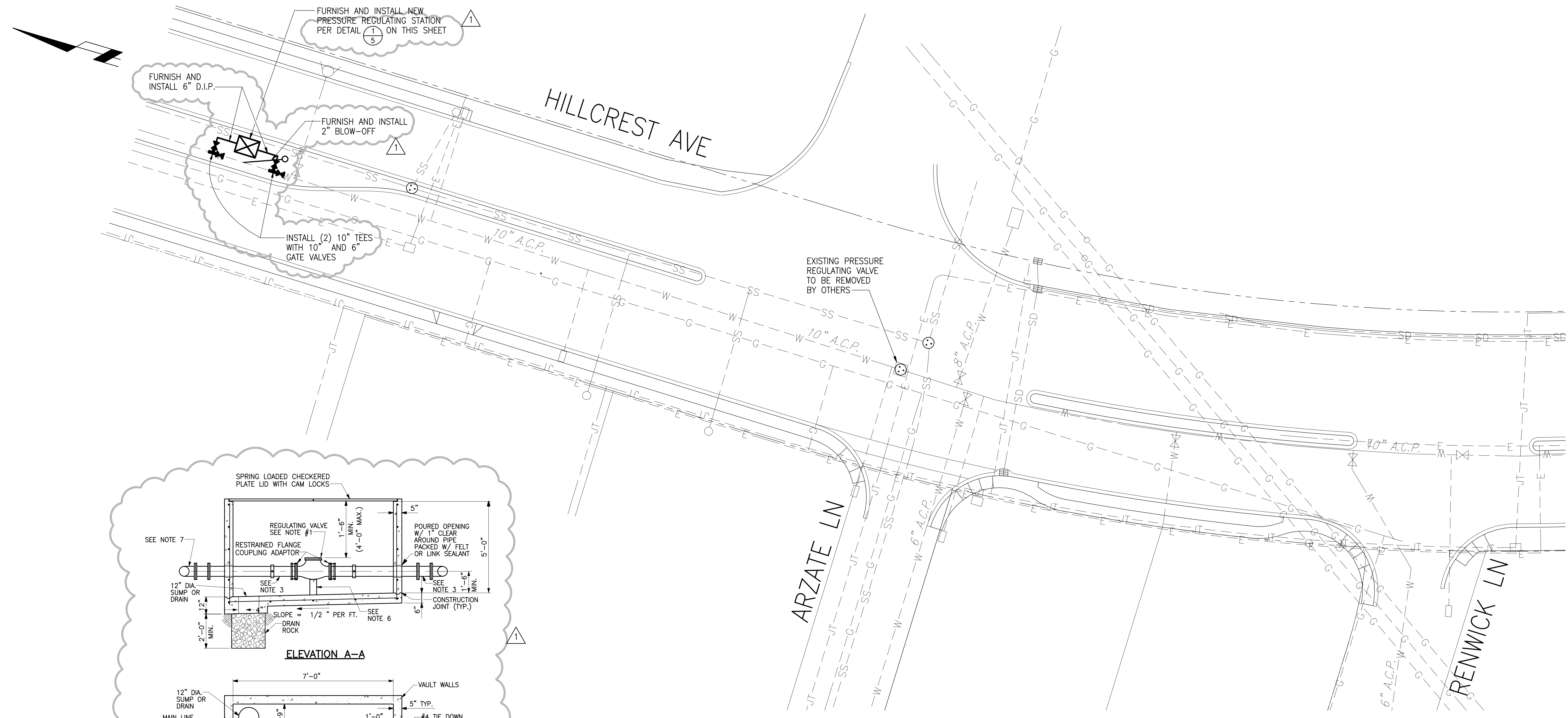
Approved by:

No. 14298

S.E. Davis R.E. 14298

City Engineer

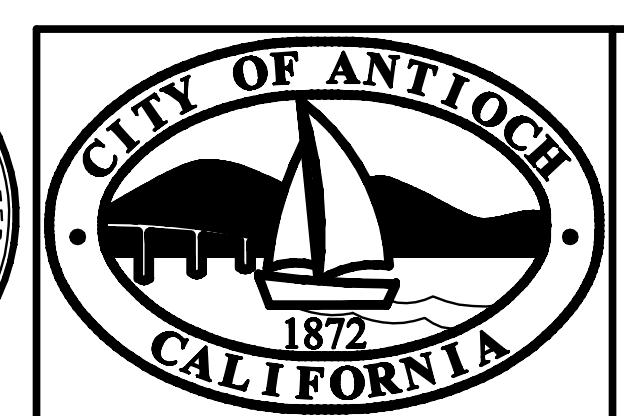
Date: 2-10-75



- NOTES:**
1. AMES A-910 (WITH OIL FILLED GAUGES HIGH & LOW SIDES OF REGULATOR, BALL VALVE SHUT OFF AND SIGHT TUBE ON MAIN STEM INSTALLED) OR EQUAL TYPE VALVE WITH CITY APPROVAL.
  2. VALVES MUST HAVE EPOXY COATED OR STAINLESS STEEL BODIES AND BONNETS.
  3. DUCTILE IRON SPOOL FLANGE BY FLANGE" (TYP.).
  4. REGULATING VALVES SHALL NOT BE INSTALLED IN THE ROADWAY SECTION.
  5. VAULTS SHALL BE CHRISTY R37 PIT WITH EXTENSIONS AND SPRING LOADED LIDS IN NON-TRAFFIC AREAS. (SUBMIT FOR CITY ENGINEER APPROVAL)
  6. REMOVABLE CONCRETE OR METAL JACK SUPPORTS.
  7. DUCTILE IRON PIPE MUST BE RESTRAINED AT ALL CONNECTIONS TO PREVENT MOVEMENT DURING REPLACEMENT OF PRESSURE VALVE.
  8. MUELLER H160 SERIES DOUBLE STRAP BRONZE BR2B IRON PIPE THREAD.
  9. 2" CLA-VAL MODEL 90-01 WITH OIL FILED GAUGES HIGH & LOW SIDE OF REGULATOR WITH SIGHT TUBE ON MAIN STEM.

**DETAIL 1**  
N.T.S.

**PLAN**  
1" = 20'



**AS BUILT**

DATE ACCEPTED: \_\_\_\_\_

INSPECTED BY: \_\_\_\_\_

AS BUILT REVISIONS:

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

DATE: SEPTEMBER, 2015	APPROVED BY:
DESIGNED BY: S. BUENTING	<i>Don Bernal</i>
CHECKED BY: R. BERNAL	CITY ENGINEER
DRAWN BY: S. RODRIGUEZ	DATE: 9/2015 C.E. 57124
REVISIONS:	NO. BY DATE
REVISIONS AS SHOWN	1 S.B. 9/23/15

**PUBLIC WORKS DEPARTMENT**  
**CAPITAL IMPROVEMENTS DIVISION**

**WATER MAIN INSTALLATION**  
**AT VARIOUS LOCATIONS**  
**ARZATE LANE PRESSURE REGULATING**  
**STATION RELOCATION**

SCALE: AS NOTED

PUBLIC WORKS  
PROJECT NO.  
PW 503-15

SHEET 5R

OF 5 SHEETS