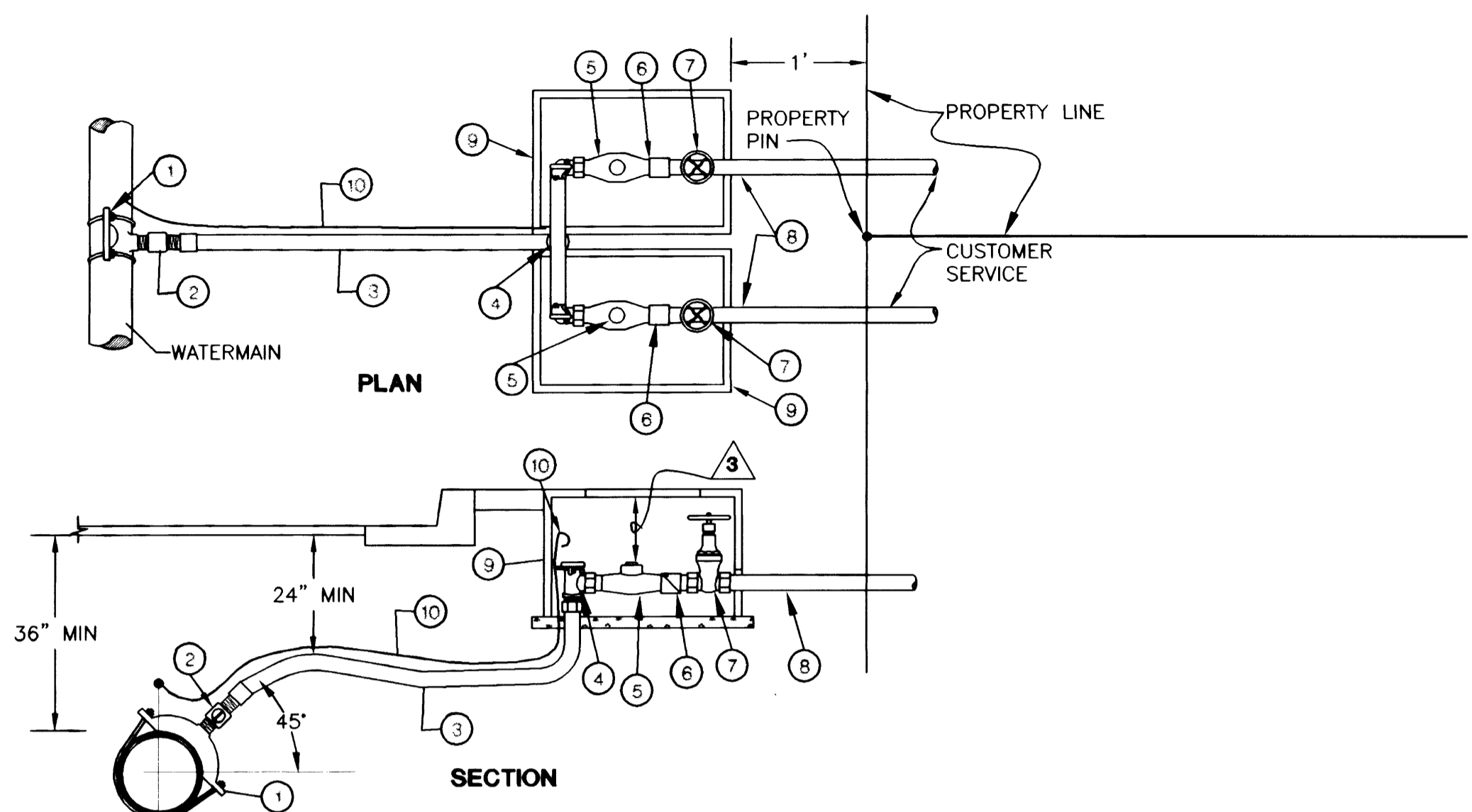


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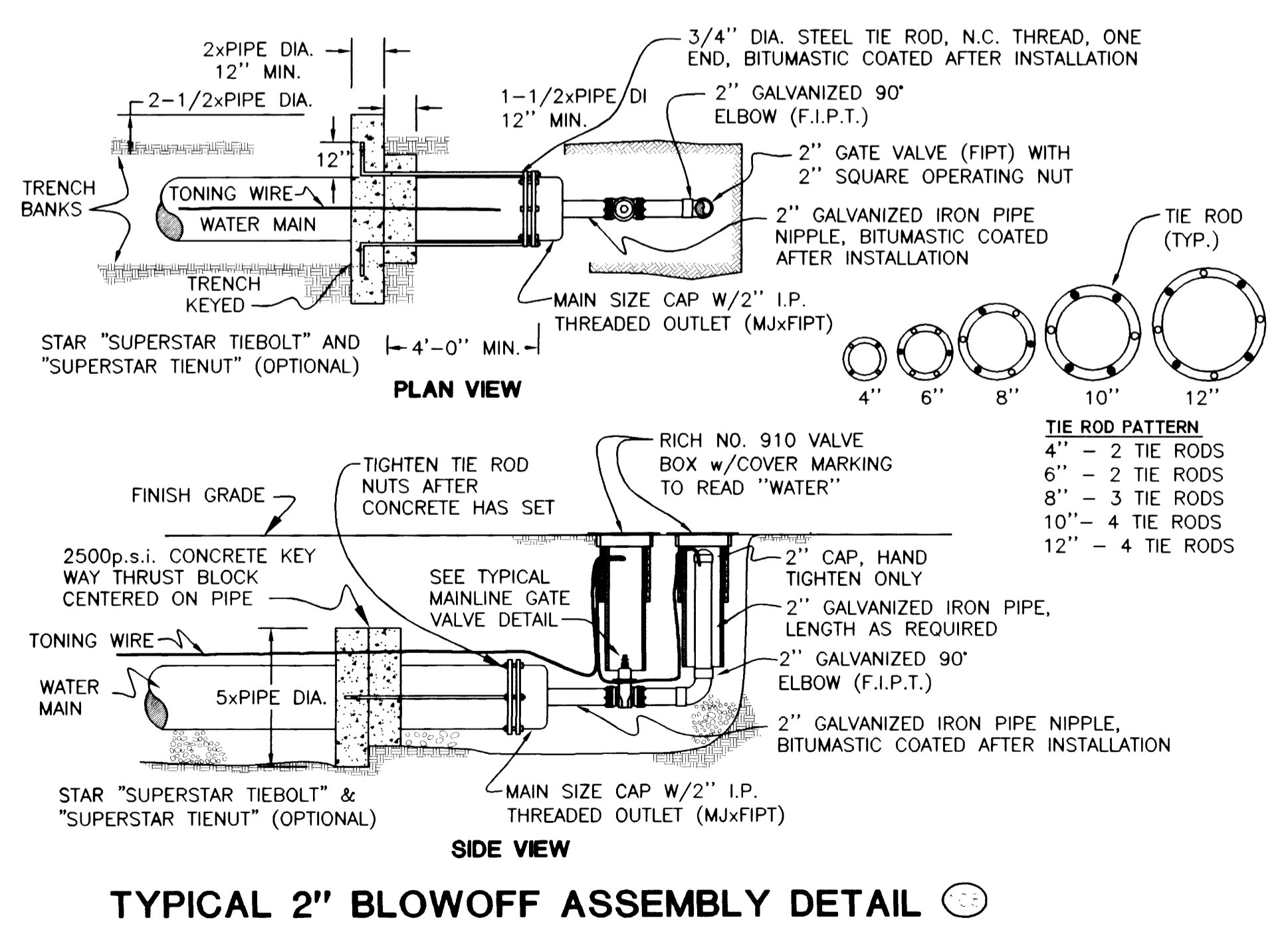
PROJECT NAME: ROSEWOOD ESTATES, PHASE VIII
 LITTLE VALLEY ROAD
 DRAWING TITLE: AS-BUILTS DETAILS
 PROJECT NO.: 2003-01
 DWG SCALE: NO SCALE
 DATE: 06-16-05
 DESIGNER: JCB
 DRAFTER: JCB
 APPROVAL: MAP
 SHEET: 6 OF 9



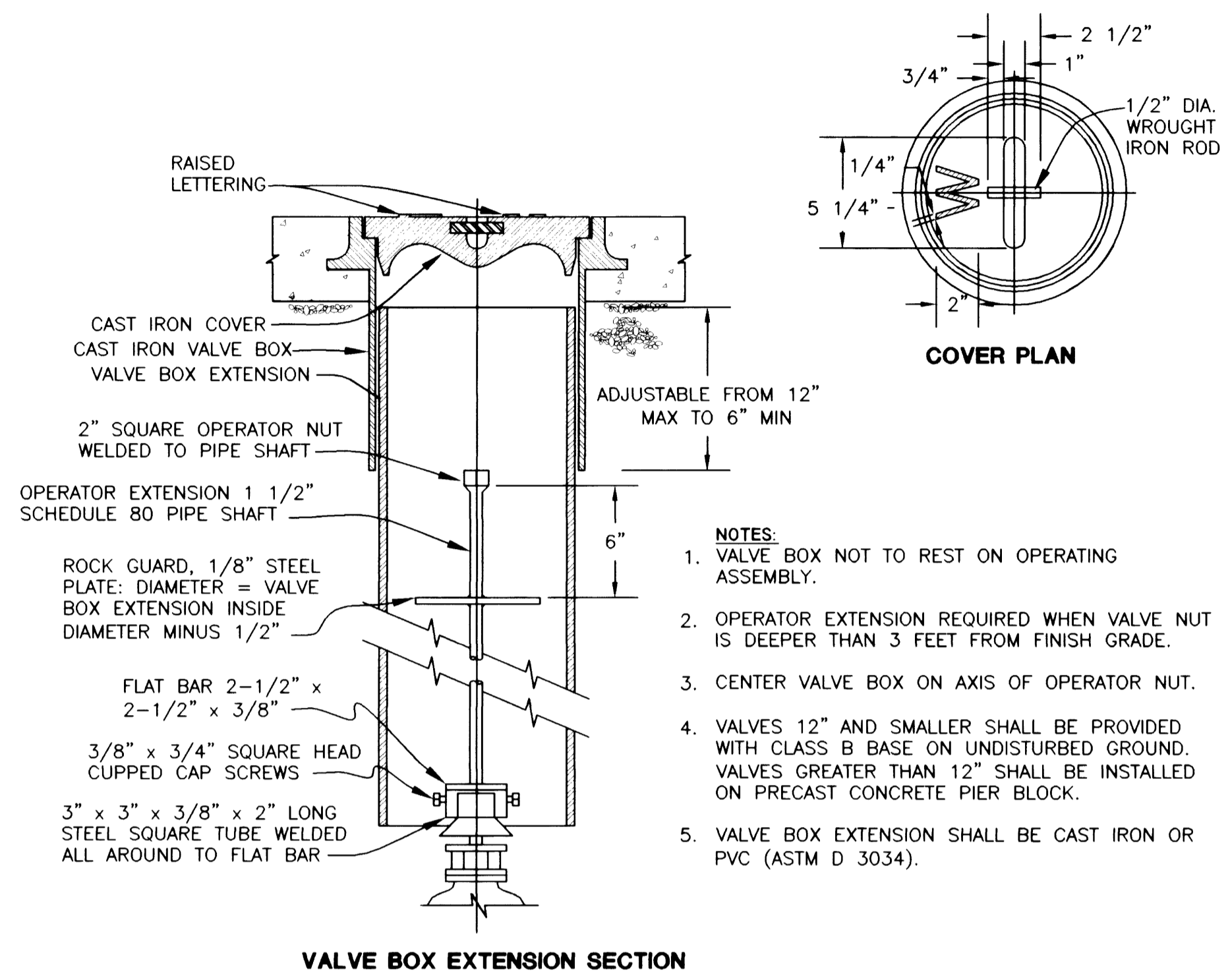
ITEM NO.	SIZE	DESCRIPTION	TYPE	QTY.
1	AS REQ'D	SERVICE SADDLE	FORD, BRASS S-91	1
2	1"	CORP. STOP	FORD, F-1100-G	1
3	1"	SERVICE PIPE	200 psi HI MOLY POLYETHYLENE CTS PIPE	AS REQ'D
4	1"	BRANCH VALVE ASSEMBLY	FORD, UV-43-32, 14" WIDTH	1
5	5/8"x3/4"	METER	NEPTUNE T-10 GALLONS READER (TO BE SUPPLIED AS REQUIRED BY RCW)	2
6	3/4"	CHECK VALVE	FORD HS38-323	2
7	3/4"	CUSTOMER VALVE	METER ADAPTER WITH 3/4" GATE VALVE	2
8	-	CUSTOMER SERVICE	PER STATE PLUMBING CODE (RECONNECT TO EXISTING CUSTOMER SERVICE)	-
9	-	METER BOX	PLASTIC	2
10	NO. 12	WIRE	ELECTRICAL AWG SOLID COPPER WIRE, COIL 1'-0" IN METER BOX	AS REQ'D

△ OR APPROVED EQUAL. SEE GENERAL SPECIFICATIONS.
 ▲ TYPE AS APPROVED BY MANUFACTURER FOR WATER MAIN TYPE & SIZE.
 ▽ TOP OF METER SHALL BE 4" TO 6" BELOW BOTTOM OF LID.

TYPICAL DUAL 5/8"x3/4" METER INSTALLATION ASSEMBLY



TYPICAL 2" BLOWOFF ASSEMBLY DETAIL



VALVE BOX EXTENSION DETAIL

- NOTES:
1. VALVE BOX NOT TO REST ON OPERATING ASSEMBLY.
 2. OPERATOR EXTENSION REQUIRED WHEN VALVE NUT IS DEEPER THAN 3 FEET FROM FINISH GRADE.
 3. CENTER VALVE BOX ON AXIS OF OPERATOR NUT.
 4. VALVES 12" AND SMALLER SHALL BE PROVIDED WITH CLASS B BASE ON UNDISTURBED GROUND. VALVES GREATER THAN 12" SHALL BE INSTALLED ON PRECAST CONCRETE PIER BLOCK.
 5. VALVE BOX EXTENSION SHALL BE CAST IRON OR PVC (ASTM D 3034).

ROBERTS CREEK WATER DISTRICT GENERAL WATER NOTES

1. ALL WATER SYSTEM WORK SHALL BE IN CONFORMANCE WITH ROBERTS CREEK WATER DISTRICT RULES AND REGULATIONS. IN CASES OF CONFLICT ROBERTS CREEK SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THE STANDARD SPECIFICATION. DEVELOPER OR CONTRACTOR SHALL WARRANTY WATERLINE FOR 2 YEARS AFTER FINAL ACCEPTANCE.
2. ALL PIPE FOR WATER MAINLINES SHALL BE: AWWA C-900 CLASS 150 PVC PIPE; OR DUCTILE IRON CLASS 50, EXCEPT 4" SHALL BE CLASS 52 AND 6" SHALL BE CLASS 51.
3. THE CONTRACTOR SHALL FLUSH, HYDROSTATICALLY TEST AND CHLORINATE ALL NEW WATER MAINLINES INSTALLED. THE ENGINEER AND ROBERTS CREEK WATER DISTRICT SHALL WITNESS ALL TESTS MADE BY THE CONTRACTOR TO INSURE THEY ARE PERFORMED PROPERLY. COMPLETED WATERLINES SHALL BE CHLORINATED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF ORS 333.61050 (11).
4. ALL CONSTRUCTION IS SUBJECT TO INSPECTION BY ROBERTS CREEK WATER DISTRICT. THE CONTRACTOR SHALL GIVE THE DISTRICT 48 HOURS NOTICE PRIOR TO BEGINNING CONSTRUCTION. ALL SEGMENTS OF THE WATER LINE SHALL BE INSPECTED BY THE DISTRICTS INSPECTOR, BEFORE THE CONTRACTOR COVERS THE PIPE.
5. NO OTHER MAJOR UTILITIES SHALL RUN PARALLEL WITHIN 5 FEET OF THE NEW WATER MAIN.
6. THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS AND FITTINGS AS PER STANDARD DRAWING.
7. WATER SERVICE SHALL BE 1" POLYETHYLENE PER ROBERTS CREEK STANDARD DETAIL. CONTRACTOR TO INSTALL ALL ROAD SERVICE CROSSINGS IN (1 1/2" MIN.) SCH 40 PVC CONDUIT.
8. ALL MJ FITTINGS SHALL HAVE MEGA LUG RESTRAINT RINGS IN ADDITION TO THRUST BLOCKS.
9. PIPE BEDDING SHALL BE REJECT SAND PER ROBERTS CREEK WATER DISTRICT SPECIFICATIONS (OR APPROVED).
10. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, COUNTY AND LOCAL REGULATIONS REGARDING THE CONSTRUCTION OF THIS PROJECT. NO WATER LINE CONSTRUCTION SHALL BEGIN UNTIL WRITTEN APPROVAL OF THE CONSTRUCTION PLANS IS RECEIVED FROM THE OREGON HEALTH DIVISION. UNLESS IT EXISTS ON THE DISTRICT MASTER PLAN.
11. VALVES SHALL BE RESILIENT SEAT GATE VALVES, PER AWWA C-509 MUELLER, KENNEDY, CLOW, OR APPROVED.
12. FITTINGS SHALL BE DUCTILE IRON PER AWWA C-110, 250 P.S.I. RATING, WITH MECHANICAL JOINT OR FLANGED ENDS, AS DETAILED.
13. 12 GA. SOLID COPPER TONING WIRE, BLUE INSULATED FOR IN GROUND USE SHALL BE INSTALLED DIRECTLY OVER ALL WATER MAIN AND SERVICE LINE INSTALLATIONS. WIRE SHALL BE BROUGHT TO THE SURFACE AT ALL VALVES, HYDRANTS AND METER BOXES. SPLICES FROM MAIN LINE TO SERVICE LINE TONING WIRE SHALL BE MADE WITH 3M-DIRECT BURY SPLICE KITS DESIGNED FOR IN GROUND USE.
14. FIRE HYDRANTS SHALL BE KENNEDY GUARDIAN OR 500F MUELLER "CENTURION". HYDRANT SHALL HAVE TWO 2 1/2" PORTS AND ONE 4" THREADED PUMPER NOZZLE. PUMPER NOZZLE SHALL BE ORIENTED STREET SIDE OR TOWARD BUILDING IN PARKING LOTS. HYDRANT VALVE SHALL BE 5 1/2" COMPRESSION TYPE. HYDRANT SHALL BE MECHANICAL JOINT OR PER PLANS.
15. METER LOCATION TO BE MARKED FOR HORIZONTAL AND VERTICAL ALIGNMENT.
16. ALL WATER MAIN LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF 36".
17. IN PLACES WHERE THE INSTALLATION OF NEW WATER LINES CROSS A SANITARY SEWER MAIN OR LATERAL, THE CURRENT EDITION OF THE CONSTRUCTION STANDARDS FOR THE OREGON HEALTH DIVISION. OREGON ADMINISTRATIVE RULES, CHAPTER 333, SECTION 333-61-050 (10), SHALL BE COMPLIED WITH.
18. ROBERTS CREEK WATER EMPLOYEES SHALL OPERATE ALL VALVES ON EXISTING SYSTEM. SCHEDULED SHUT DOWNS WILL REQUIRE 48-HOUR NOTIFICATION TO THE DISTRICT SO THAT ADEQUATE NOTICE CAN BE GIVEN TO THE DISTRICT CUSTOMERS AFFECTED.
19. BACKFLOW DEVICE SHALL CONFORM TO THE CURRENT EDITION OF THE OREGON HEALTH DIVISION, DRINKING WATER PROGRAM. OREGON ADMINISTRATIVE RULES CHAPTER 333, FOR BACKFLOW INSTALLATION.
20. MAIN LINE SHALL BE 5 FEET FROM FRONT EDGE OF CURB
21. NO FIXTURE SHALL BE HIGHER THAN THE DISTRICT'S SERVICE ELEVATION OF 686 FEET, UNLESS OTHERWISE SPECIFIED.
22. COMBINATION AIR VACUUM RELEASE VALVE AT HIGH AND LOW AREAS
23. BORES 2" AND ABOVE SHALL BE HORIZONTALLY AND VERTICALLY ON LINE WITH EXISTING MAINS.
24. NO WATER SERVICE CROSSING SHALL BE LOCATED WHERE A POWER BOX, TRANSFORMER OR JUNCTION WILL BE LOCATED.
25. PLANS SUBMITTED TO ROBERTS CREEK WATER DISTRICT SHALL INCLUDE THE DISTRICT'S STANDARD WATER CONSTRUCTION DETAILS SHOWN HEREIN. THE CONTRACTOR SHALL KEEP A COMPLETE SET OF THESE DETAILS ON CONSTRUCTION PREMISES AT ALL TIMES.
26. EASEMENTS SHALL BE AN UNOBSTRUCTED 15' WIDE AND SHALL BE 15' OF 1'-0" CRUSHED ROCK OVER GEOTEXTILE FABRIC. EASEMENT SHALL BE RECORDED AT OWNER'S EXPENSE PRIOR TO ACCEPTANCE OF PROJECT.
27. THE DISTRICT RESERVES THE RIGHT TO CHANGE METER LOCATIONS.
28. TONE WIRE SHALL BE TESTED PRIOR TO AND AFTER TRENCH IS BACKFILLED. FAULTY TONE WIRE SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF PROJECT.