

BLOW OFF ELEVATION  
N.T.S.

2" BLOW-OFF  
FOR 6"-8" MAINS

NOTES:

1. ALL THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL, PRIOR TO DURING, OMWC WILL TEST SOIL FOR COMPACTION.
2. POLYETHYLENE PLASTIC FILM WRAP SHALL BE PLACED AROUND ALL BURIED DUCTILE IRON VALVES AND FITTINGS. FILM WRAP SHALL BE OF VIRGIN POLYETHYLENE AND MEET THE REQUIREMENTS OF ASTM D-1248 FOR TYPE 1, CLASS A, GRADE E-1 AND ASTM D-1238. FILM WRAP SHALL BE 10 MILS IN THICKNESS.
3. ALL THRUST BLOCKS SHALL BE ALLOWED TO CURE, UNDISTURBED, AND SHALL BE APPROVED BY OMWC PRIOR TO BACKFILL.
4. CONCRETE STRENGTH SHALL BE 2,000 PSI AT 28 DAYS MINIMUM AND SHALL NOT COME INTO DIRECT CONTACT WITH THE PIPE AND FITTINGS OR VALVES.
5. SEE PLATES IRR-8 AND IRR-9 FOR THRUST BLOCK SIZING TABLES.

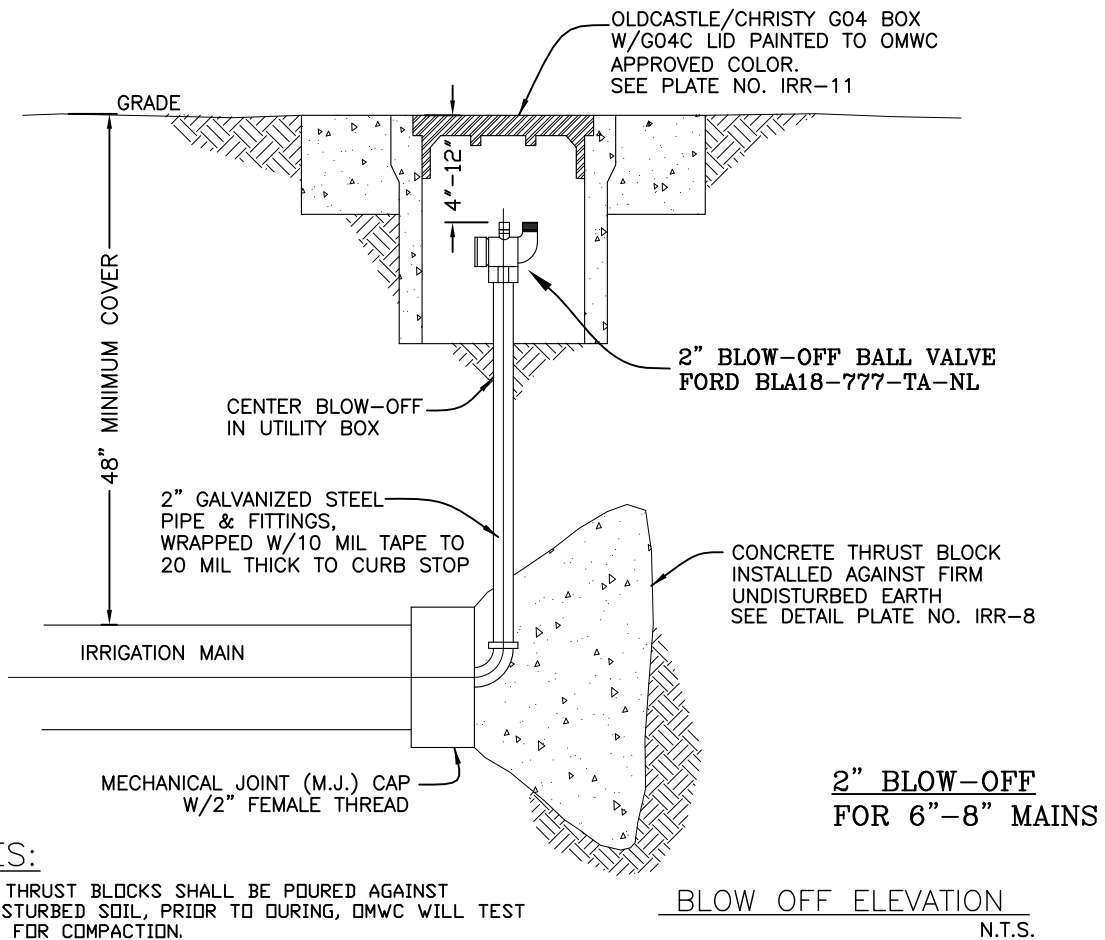
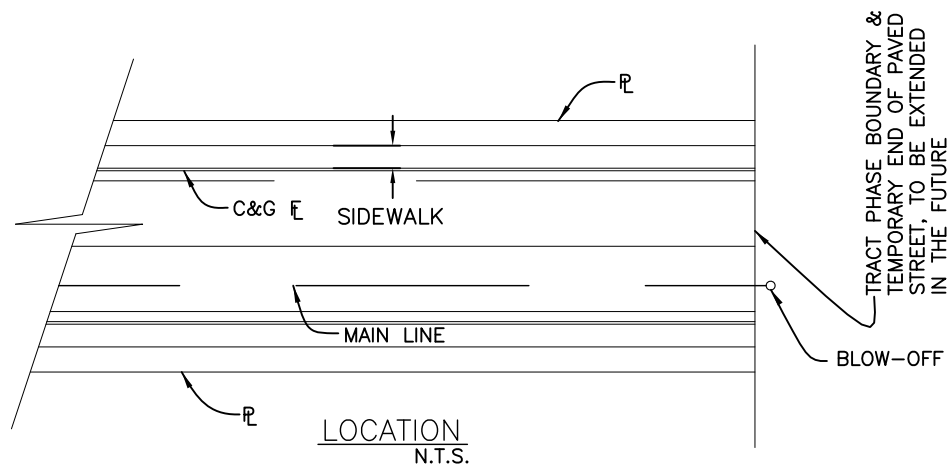
REV. DATE: 1/2023

OILDALE MUTUAL WATER CO.

NON-POTABLE PERMANENT  
BLOW-OFF ASSEMBLY

DATE: 8/1/13

PLATE No. IRR-1A



**NOTES:**

1. ALL THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL, PRIOR TO CURING, DMWC WILL TEST SOIL FOR COMPACTION.
2. POLYETHYLENE PLASTIC FILM WRAP SHALL BE PLACED AROUND ALL BURIED DUCTILE IRON VALVES AND FITTINGS. FILM WRAP SHALL BE OF VIRGIN POLYETHYLENE AND MEET THE REQUIREMENTS OF ASTM D-1248 FOR TYPE 1, CLASS A, GRADE E-1 AND ASTM D-1238. FILM WRAP SHALL BE 10 MILS IN THICKNESS.
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5. SEE PLATES IRR-8 AND IRR-9 FOR THRUST BLOCK SIZING TABLES.

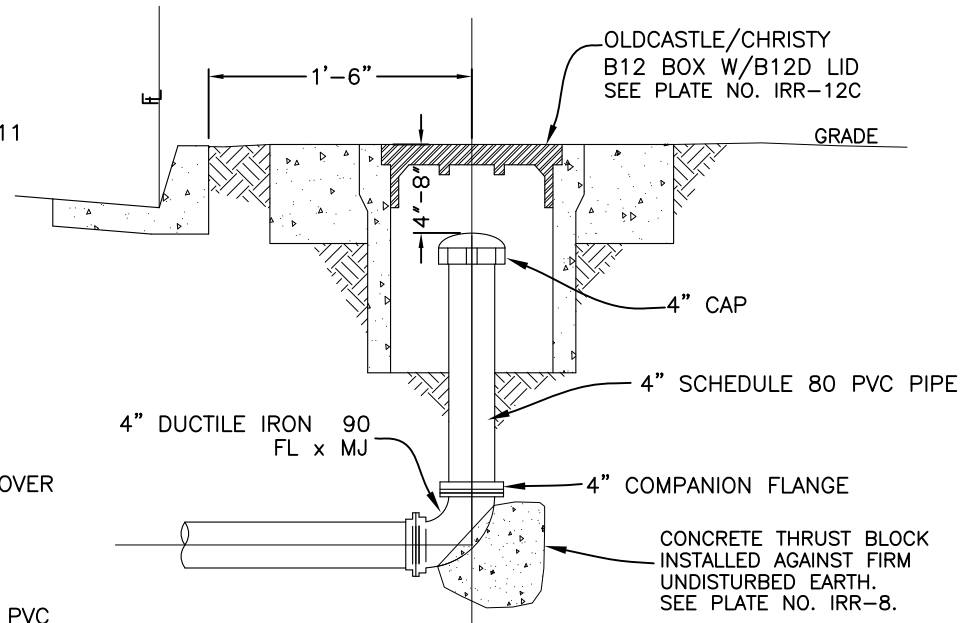
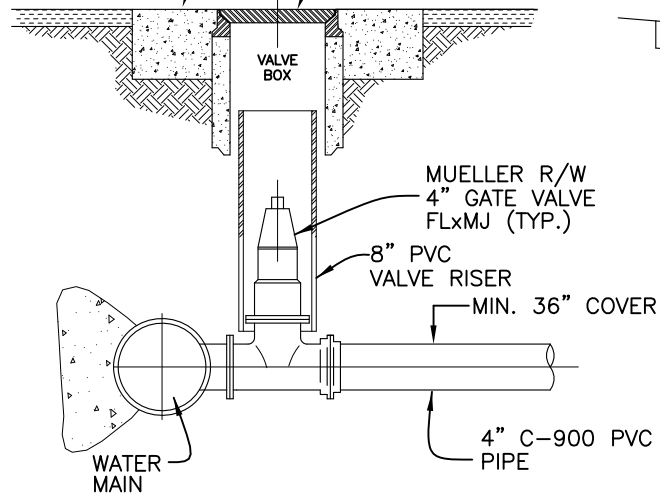
BLOW OFF ELEVATION  
N.T.S.

REV. DATE: 1/2023

<b>OILDALE MUTUAL WATER CO.</b>	
NON-POTABLE TEMPORARY BLOW-OFF ASSEMBLY	
DATE: 8/1/13	PLATE No. IRR-1B

TOP OF CONCRETE  
1/4" BELOW EXISTING  
SURFACE

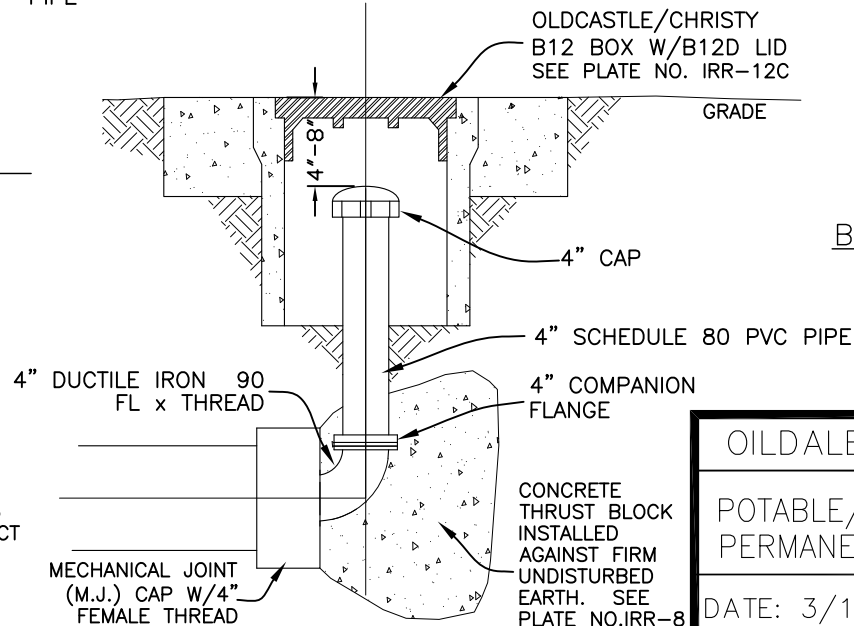
OLDCASTLE/CHRISTY  
G5 BOX W/G5CT LID  
SEE PLATE NO. IRR-11



CONCRETE THRUST BLOCK  
INSTALLED AGAINST FIRM  
UNDISTURBED EARTH.  
SEE PLATE NO. IRR-8.

**NOTES:**

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3. ALL THRUST BLOCKS SHALL BE ALLOWED TO CURE, UNDISTURBED, AND MUST BE APPROVED BY OMWC PRIOR TO BACKFILL.
4. CONCRETE STRENGTH SHALL BE 2000 PSI AT 28 DAYS MINIMUM AND SHALL NOT COME INTO DIRECT CONTACT WITH PIPE AND FITTINGS OR VALVES.
5. SEE PLATES NO. 8 AND NO. 9 FOR THRUST BLOCK SIZING TABLES.

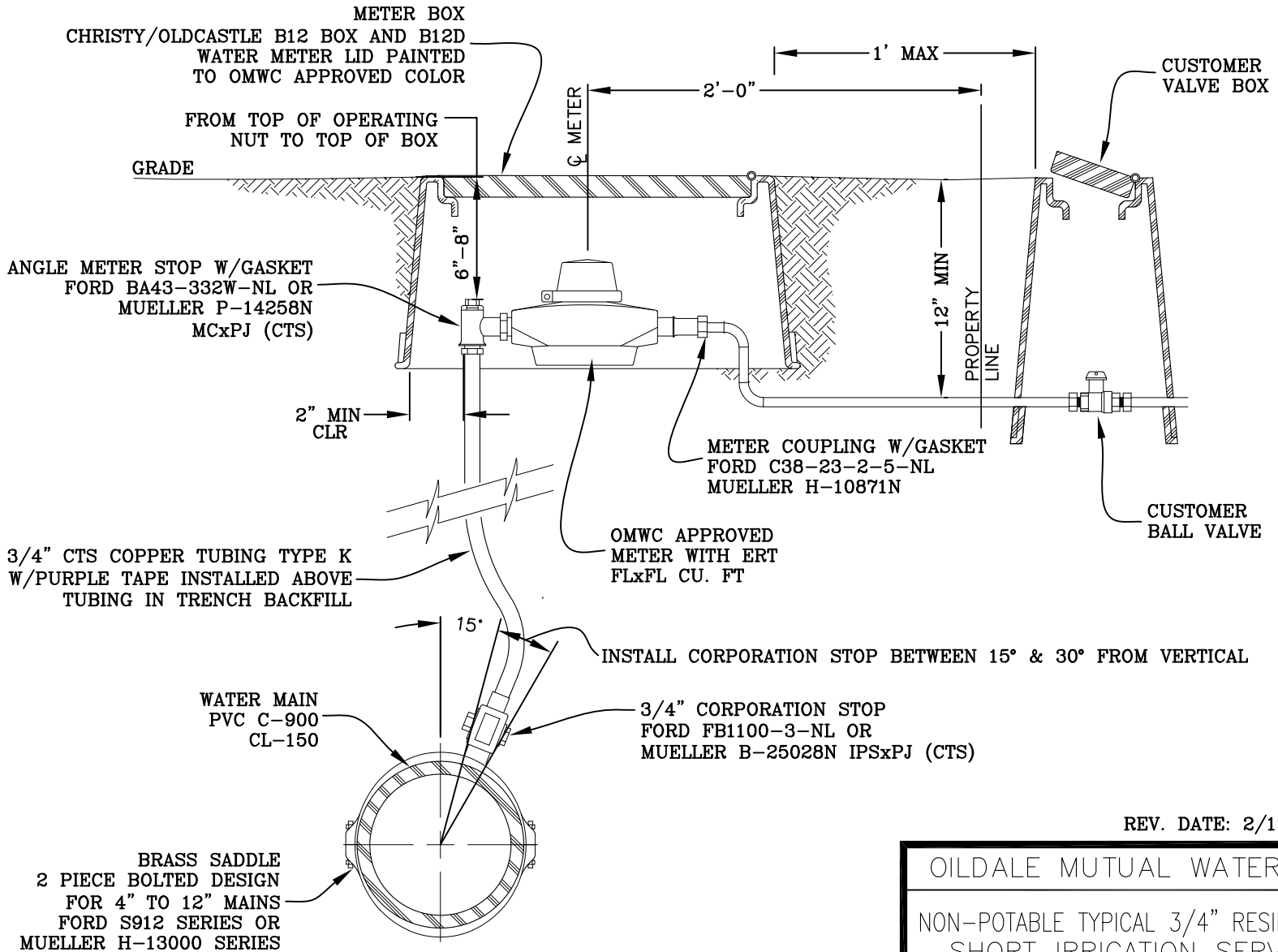


**4" BLOW-OFF  
FOR 12" &  
LARGER MAINS**

BLOW OFF ELEVATION  
N.T.S.

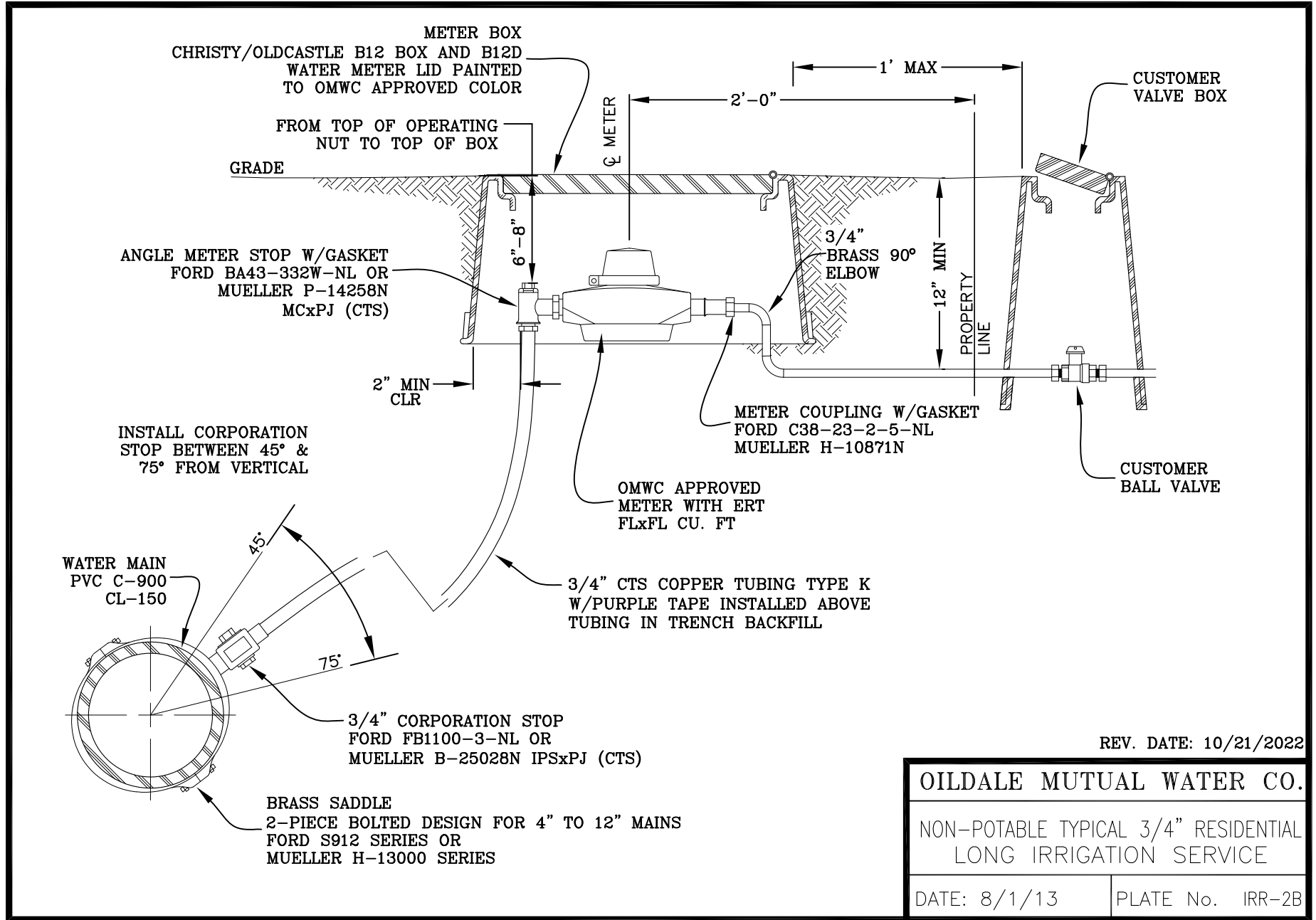
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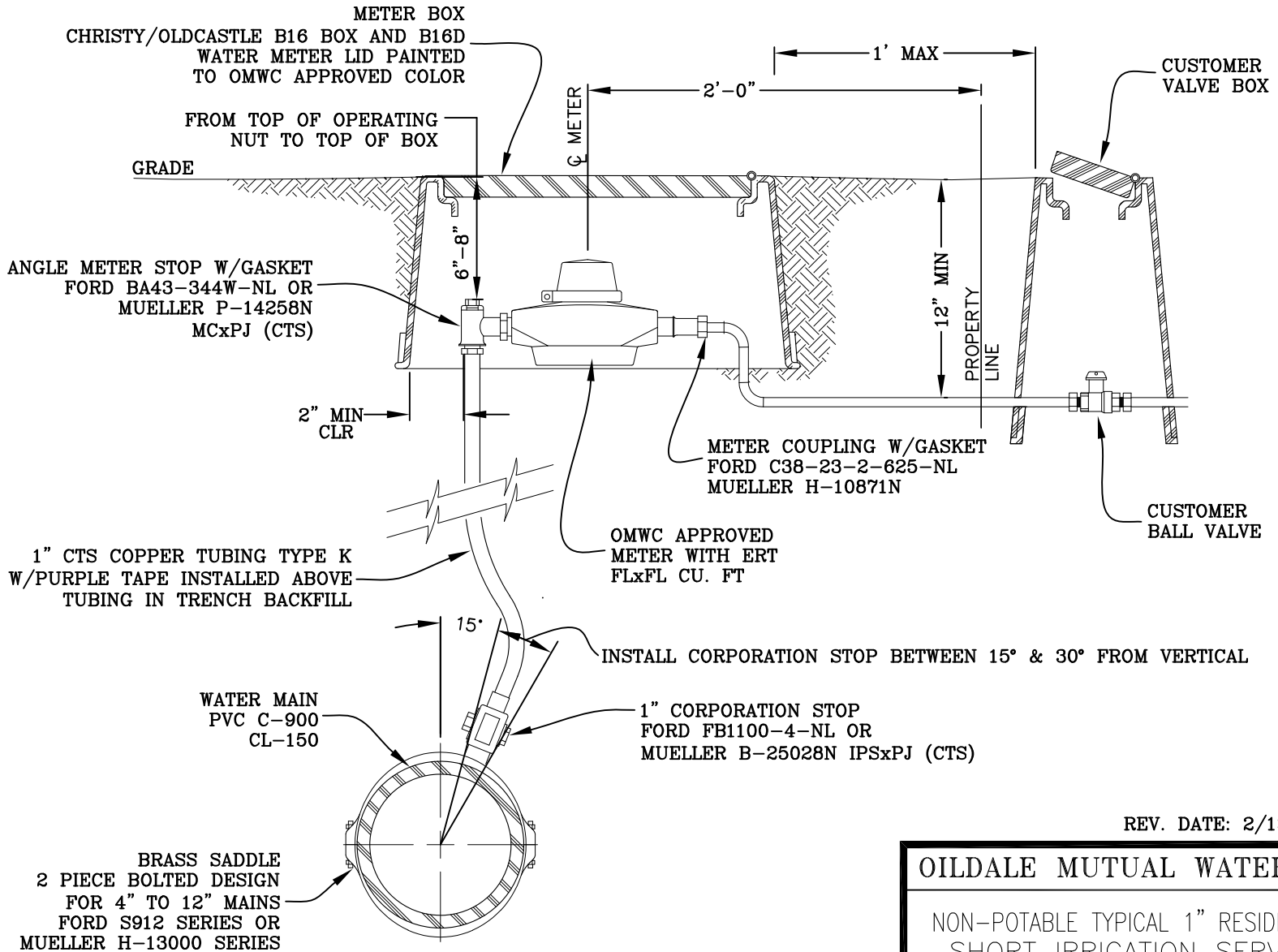
OILDALE MUTUAL WATER CO.	
POTABLE/DOMESTIC TEMPORARY & PERMANENT BLOW-OFF ASSEMBLY	
DATE: 3/13/17	PLATE NO. IRR-10



REV. DATE: 2/13/2020

OILDALE MUTUAL WATER CO.	
NON-POTABLE TYPICAL 3/4" RESIDENTIAL SHORT IRRIGATION SERVICE	
DATE: 8/1/13	PLATE NO. IRR-2A





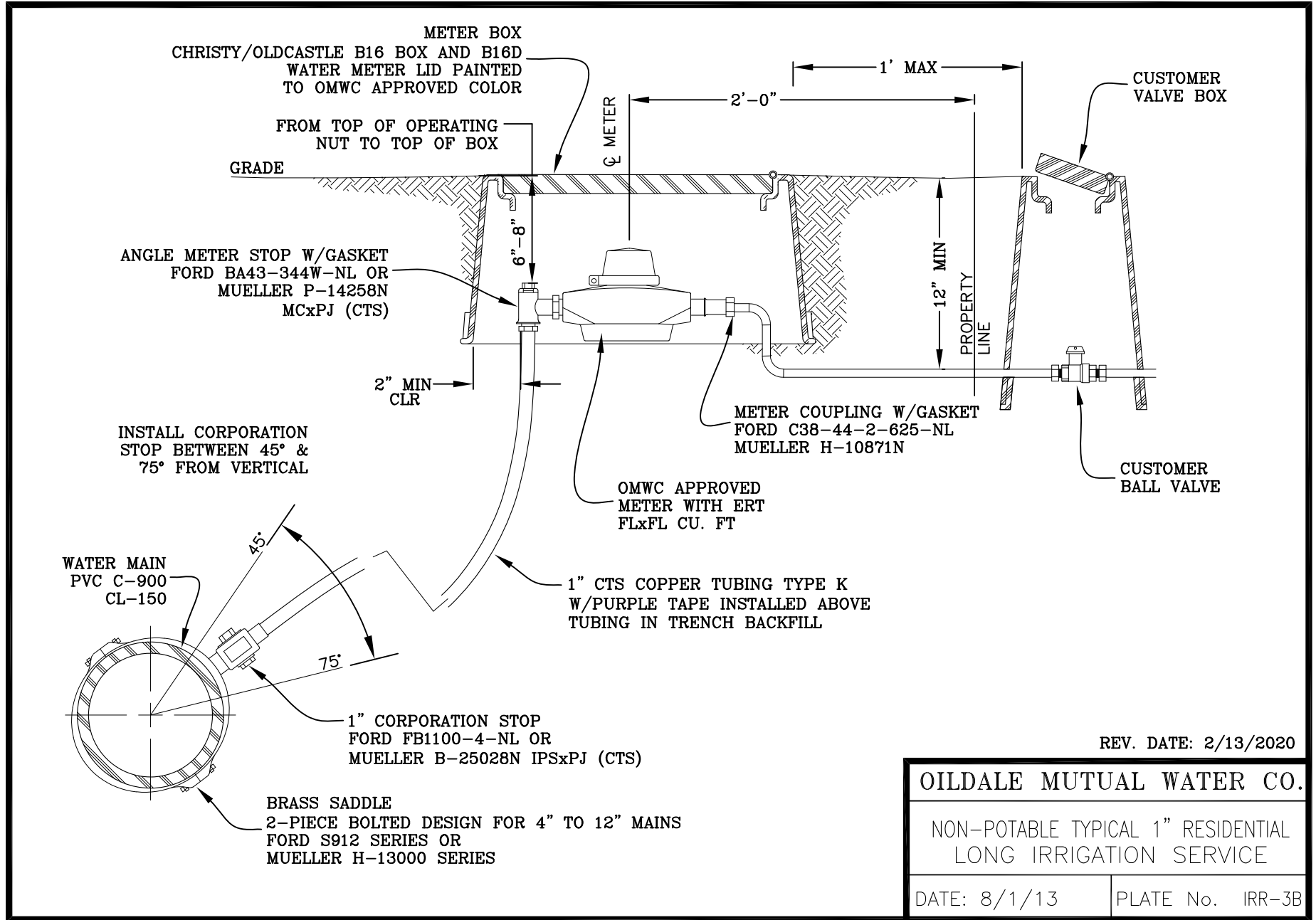
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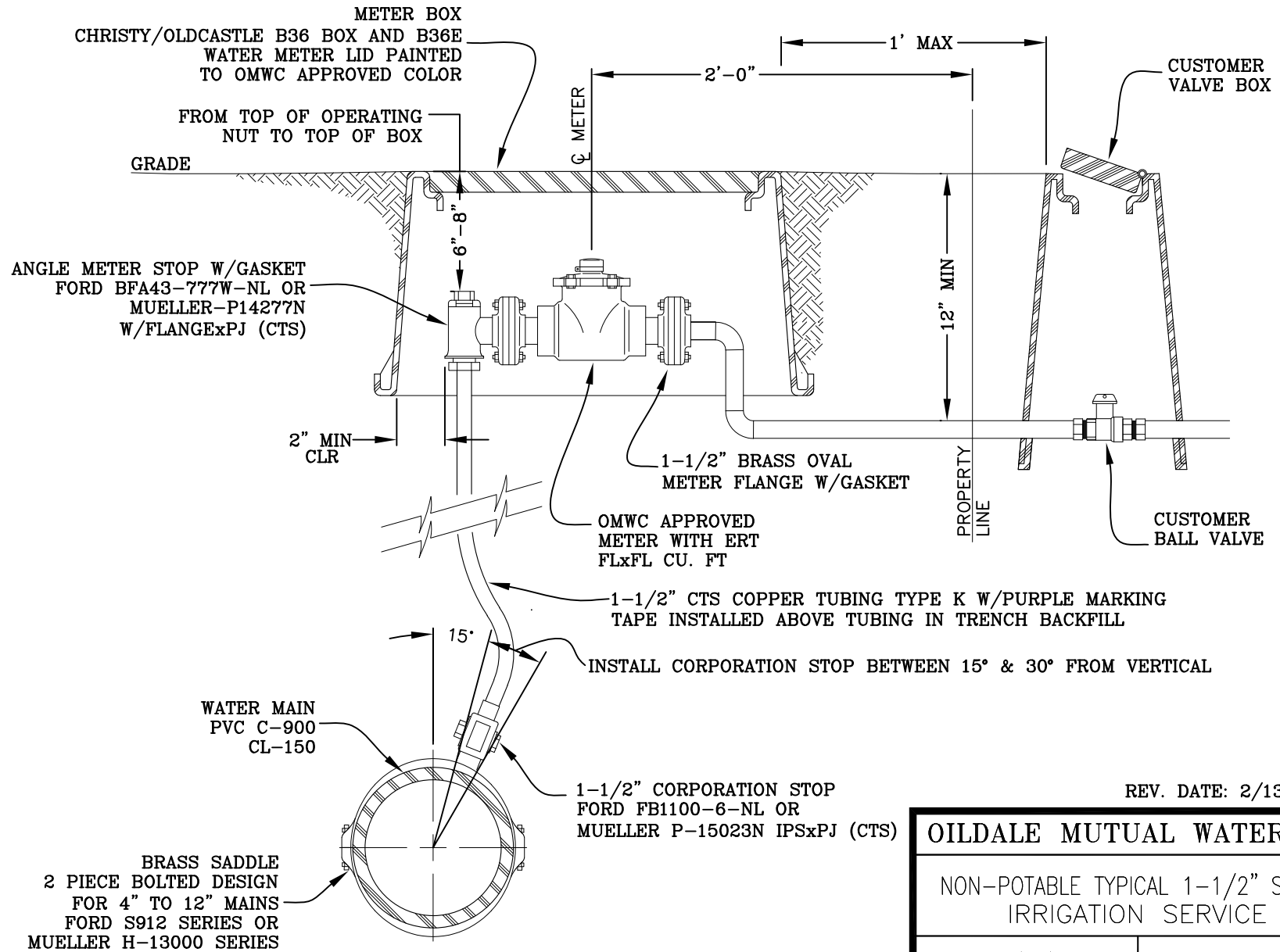
OILDALE MUTUAL WATER CO.

NON-POTABLE TYPICAL 1" RESIDENTIAL  
SHORT IRRIGATION SERVICE

DATE: 8/1/13

PLATE No. IRR-3A





REV. DATE: 2/13/2020

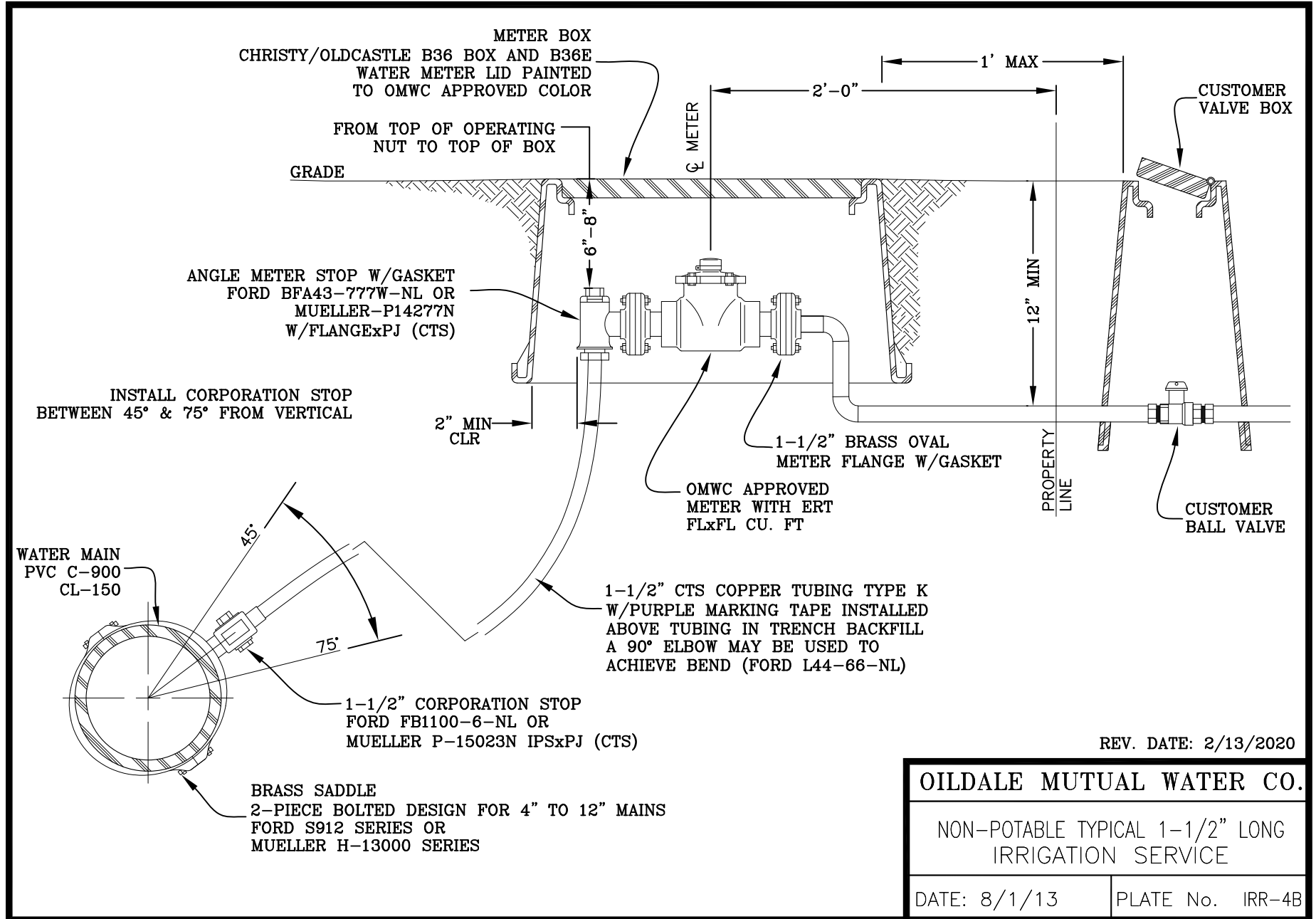
OILDALE MUTUAL WATER CO.

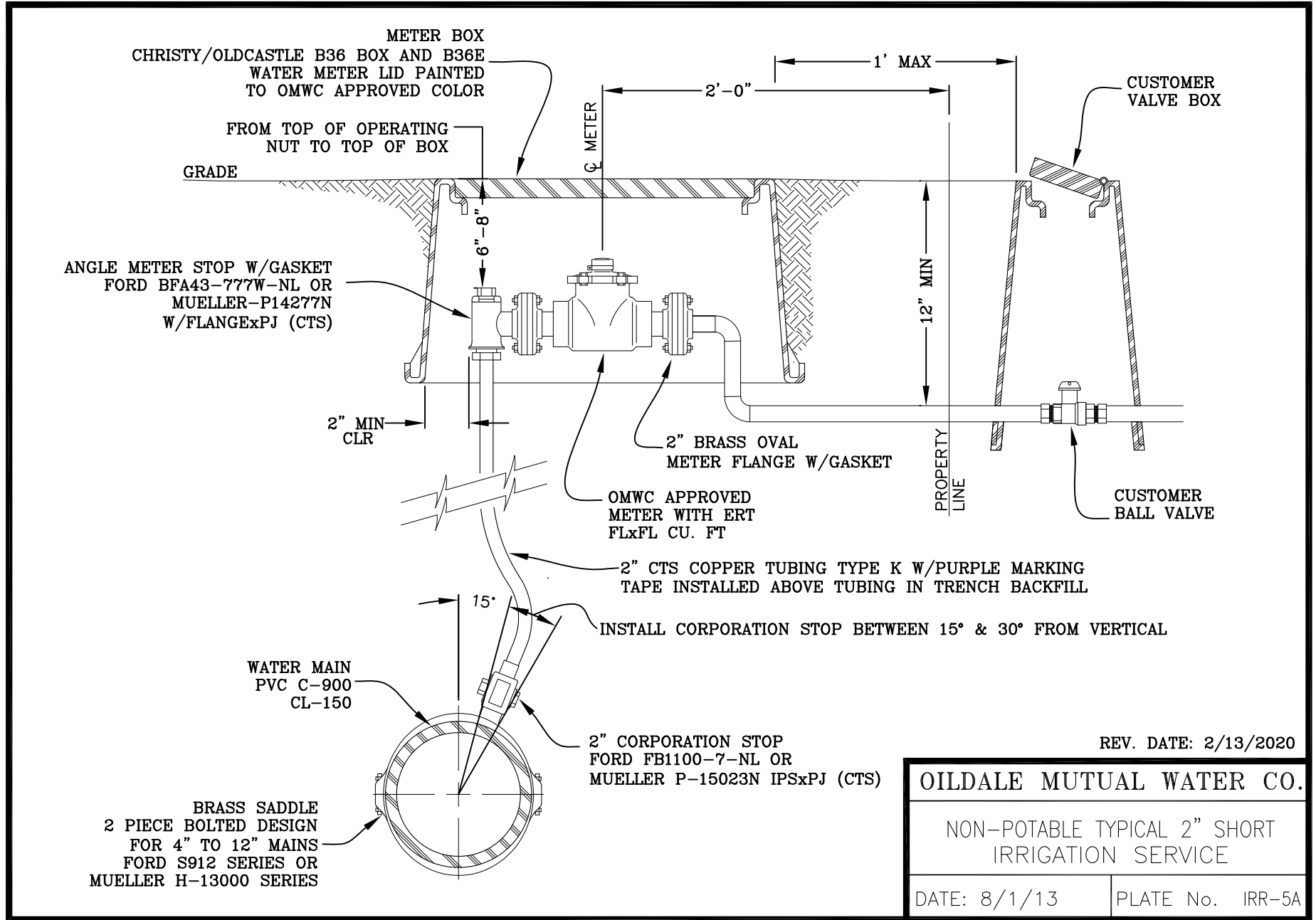
NON-POTABLE TYPICAL 1-1/2" SHORT  
IRRIGATION SERVICE

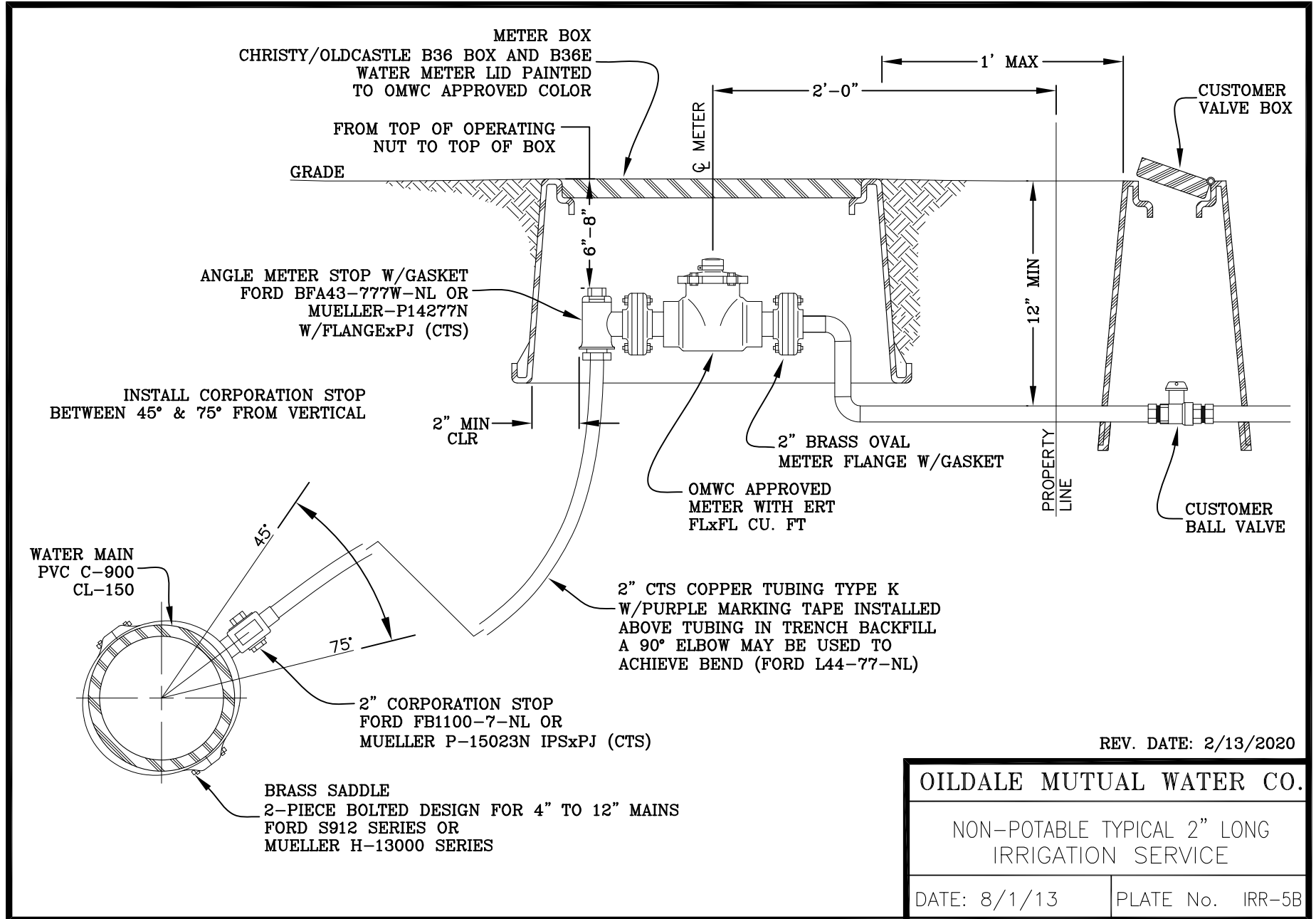
DATE: 8/1/13

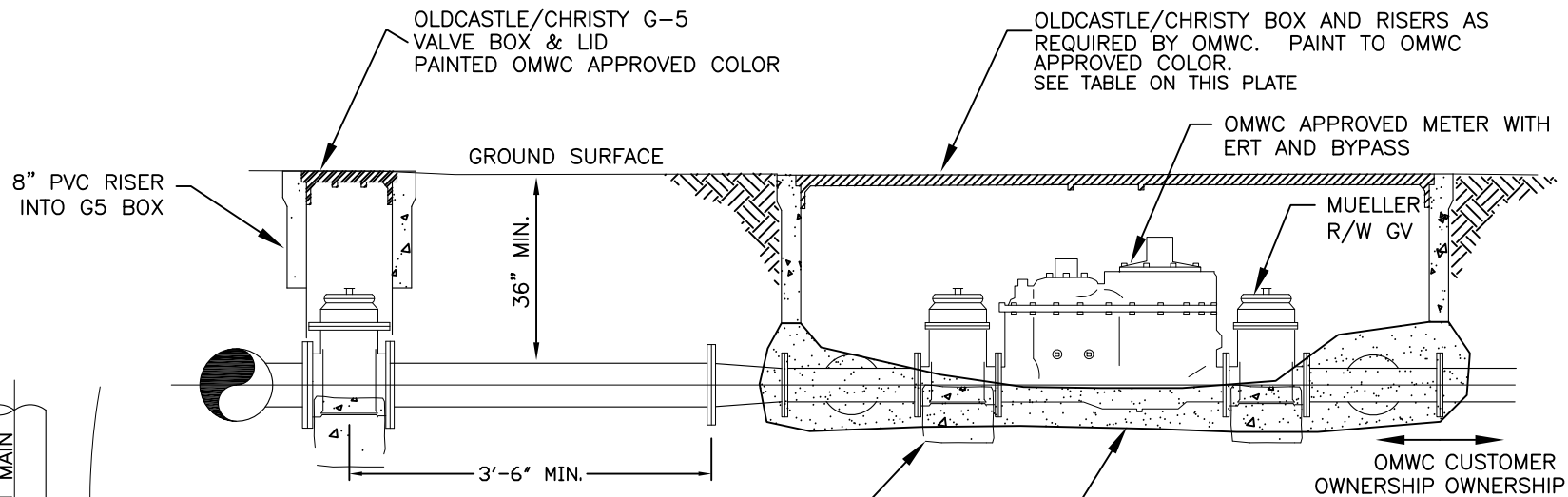
PLATE No. IRR-4A



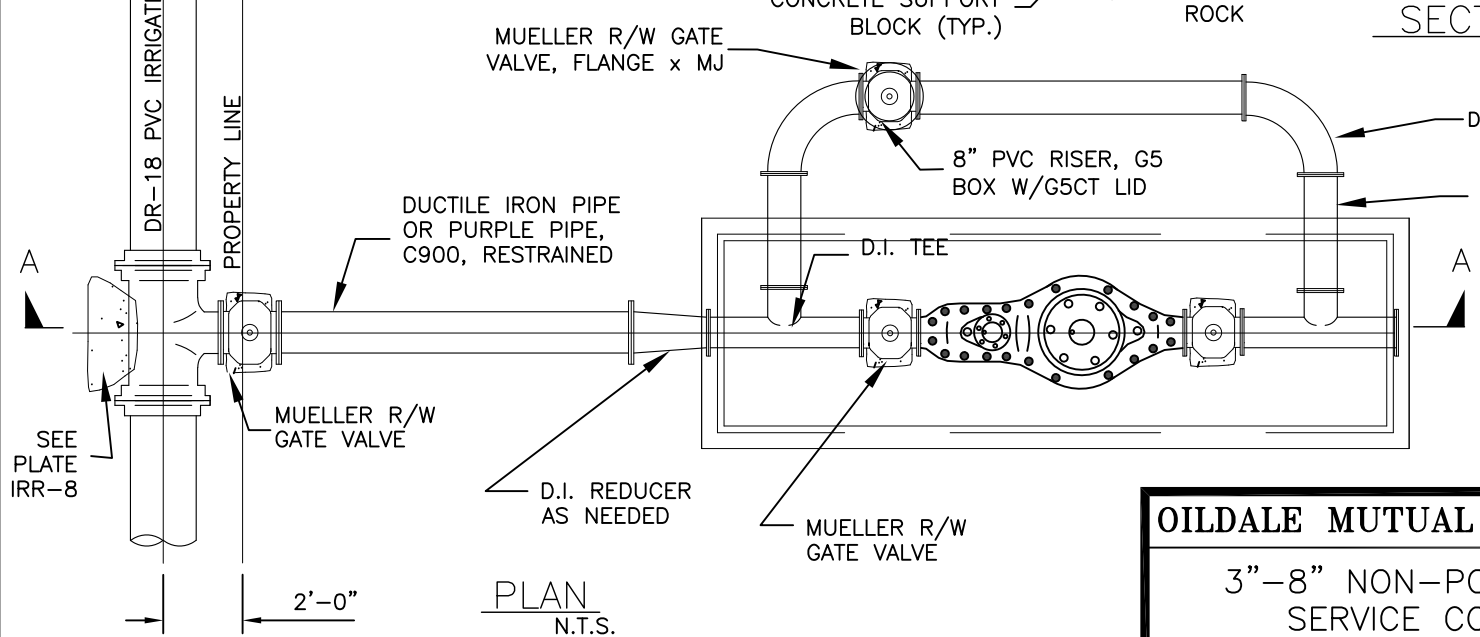








SECTION A-A  
N.T.S.



METER SIZE	METER BOX	BOX LID
3"	B48	B48M2
4"	B48	B48M2
6"	B52	B52M3
8"	B52	B52M3

REV. DATE: 1/24/2020

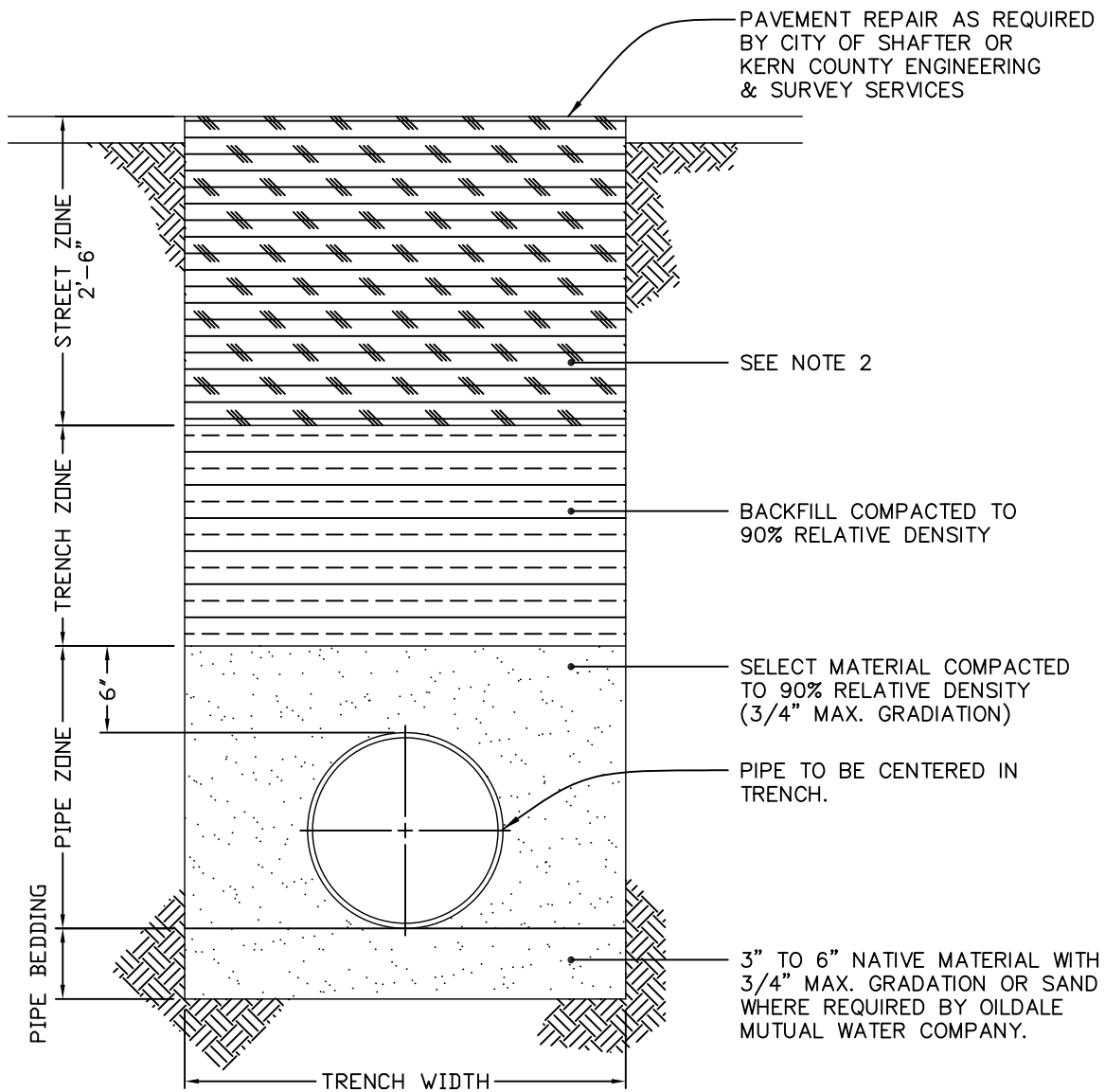
**OILDALE MUTUAL WATER COMPANY**

3"-8" NON-POTABLE WATER SERVICE CONNECTION

DATE: 8/1/13

PLATE No. IRR-6

NOTE: ELEVATION CHANGE WILL BE MADE BY 45° FITTINGS ONLY.



**NOTES:**

1. EMBEDEMENT MATERIALS SHALL BE CLASS I, II, OR III IN CONFORMANCE WITH PARAGRAPHS 6.1.1, 6.1.2 AND 6.1.3 OF A.S.T.M. D2321-83a. SEE O.M.W.C. SPECS., MAX. SIZE = 3/4".
2. STREET ZONE SHALL BE COMPACTED TO 95% RELATIVE DENSITY IF WITHIN ROAD BED. STREET ZONE OUTSIDE OF ROAD BED SHALL BE AS REQUIRED BY CITY OF SHAFTER OR KERN COUNTY ENGINEERING & SURVEY SERVICES.
3. MINIMUM COVER OVER ALL NON-POTABLE MAINS SHALL BE 4' AS MEASURED FROM FINISH GRADE.
4. PERCENT RELATIVE COMPACTION IS THE PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY A.S.T.M. D1557 (5 LAYER).

TRENCH WIDTH	
PIPE SIZE	WIDTH
4"	18"
6" & 8"	24"
12"	30"
16"	36"

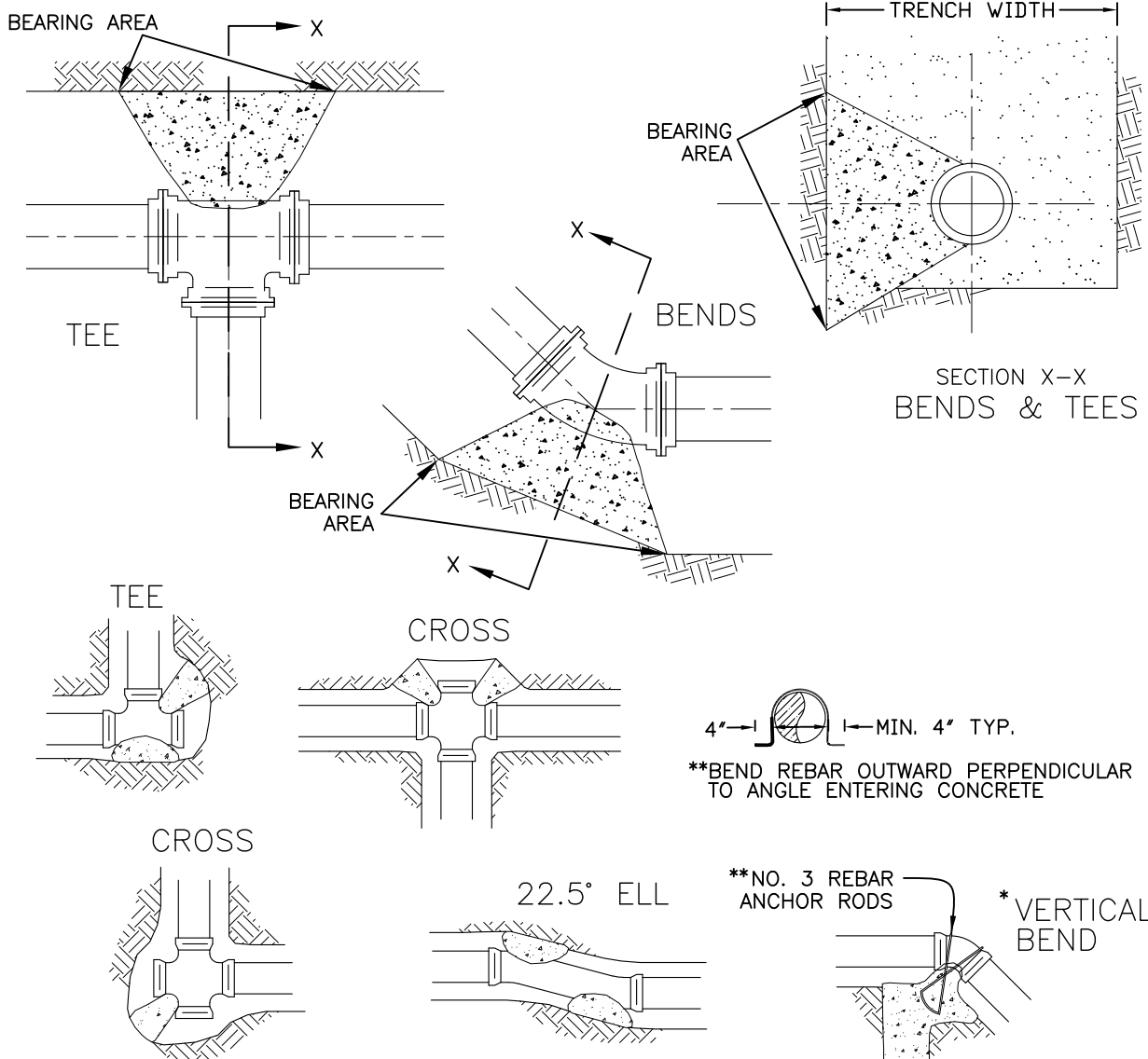
REV. DATE: 3/13/17

**OILDALE MUTUAL WATER CO.**

NON-POTABLE/IRRIGATION  
TRENCH CROSS SECTION

DATE: 8/1/13

PLATE No. IRR-7



**NOTES:**

1. ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL, PRIOR TO POURING. OMWC WILL TEST SOIL FOR COMPACTION. CONCRETE SHALL BE PLACED BEHIND BELL OF FITTING AND SHALL NOT COME INTO CONTACT WITH THE PIPE.
2. POLYETHYLENE PLASTIC FILM WRAP SHALL BE PLACED AROUND ALL BURIED DUCTILE IRON VALVES AND FITTINGS. FILM WRAP SHALL BE OF VIRGIN POLYETHYLENE AND MEET THE REQUIREMENTS OF ASTM D-1248 FOR TYPE 1, CLASS A, GRADE E-1 AND ASTM D-1238. FILM WRAP SHALL BE 10 MILS IN THICKNESS.
3. ALL THRUST BLOCKS SHALL BE ALLOWED TO CURE, UNDISTURBED, AND MUST BE APPROVED BY OMWC PRIOR TO BACKFILL.
4. CONCRETE STRENGTH SHALL BE 2000 PSI AT 28 DAYS MINIMUM AND SHALL NOT COME INTO DIRECT CONTACT WITH PIPE AND FITTINGS OR VALVES.
5. BEARING AREAS SHOWN IN TABLE HEREON ARE BASED UPON ALLOWABLE SOIL PRESSURE OF 1,500 PSF.

\*REQUIRES CALCULATION

REV. DATE: 2/18/19

BEARING AREA (SQ. FT.)				
PIPE SIZE	TEE OR PLUG	90° ELL OR HYDRANT	45° ELL	22.5° ELL
4"&6"	3	4	2	2
8"	5	7	4	2
12"	11	16	8	4
16"	20	30	16	9

**OILDALE MUTUAL WATER CO.**

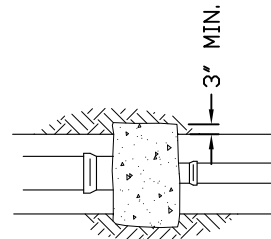
NON-POTABLE THRUST BLOCK SCHEDULE

DATE: 8/1/13 PLATE No. IRR-8

THRUST BLOCK SCHEDULE BASED ON 2000 PSI  
CONCRETE & 1500 PSF SOIL BEARING

REDUCER

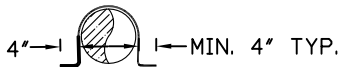
REDUCER SIZE	AREA REQ'D	THRUST BLOCK SIZE
12X10	5.56 s.f.	2.4'X2.4'
12X8	9.32 s.f.	3.1'X3.1'
12X6	12.26 s.f.	3.5'X3.5'
10X8	4.43 s.f.	2.1'X2.1'
10X6	7.37 s.f.	2.7'X2.7'
8X6	3.38 s.f.	1.8'X1.8'



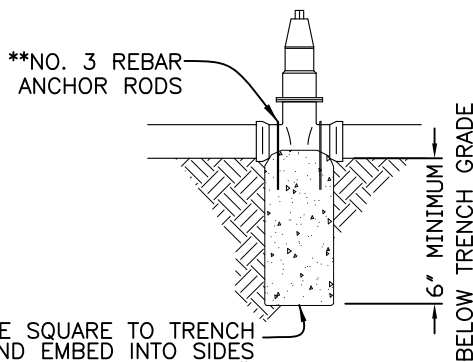
PLAN VIEW

VALVE ANCHORS

VALVE SIZE	AREA REQ'D	THRUST BLOCK SIZE
12	16.59 s.f.	4.1'X4.1'
10	11.51 s.f.	3.4'X3.4'
8	7.38 s.f.	2.7'X2.7'
6	4.15 s.f.	2.1'X2.1'



\*\*BEND REBAR OUTWARD PERPENDICULAR TO ANGLE ENTERING CONCRETE



MUST BE SQUARE TO TRENCH BOTTOM, AND EMBED INTO SIDES OF TRENCH A MINIMUM OF 6".

NOTES:

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\*REQUIRES CALCULATION

REV. DATE: 3/13/17

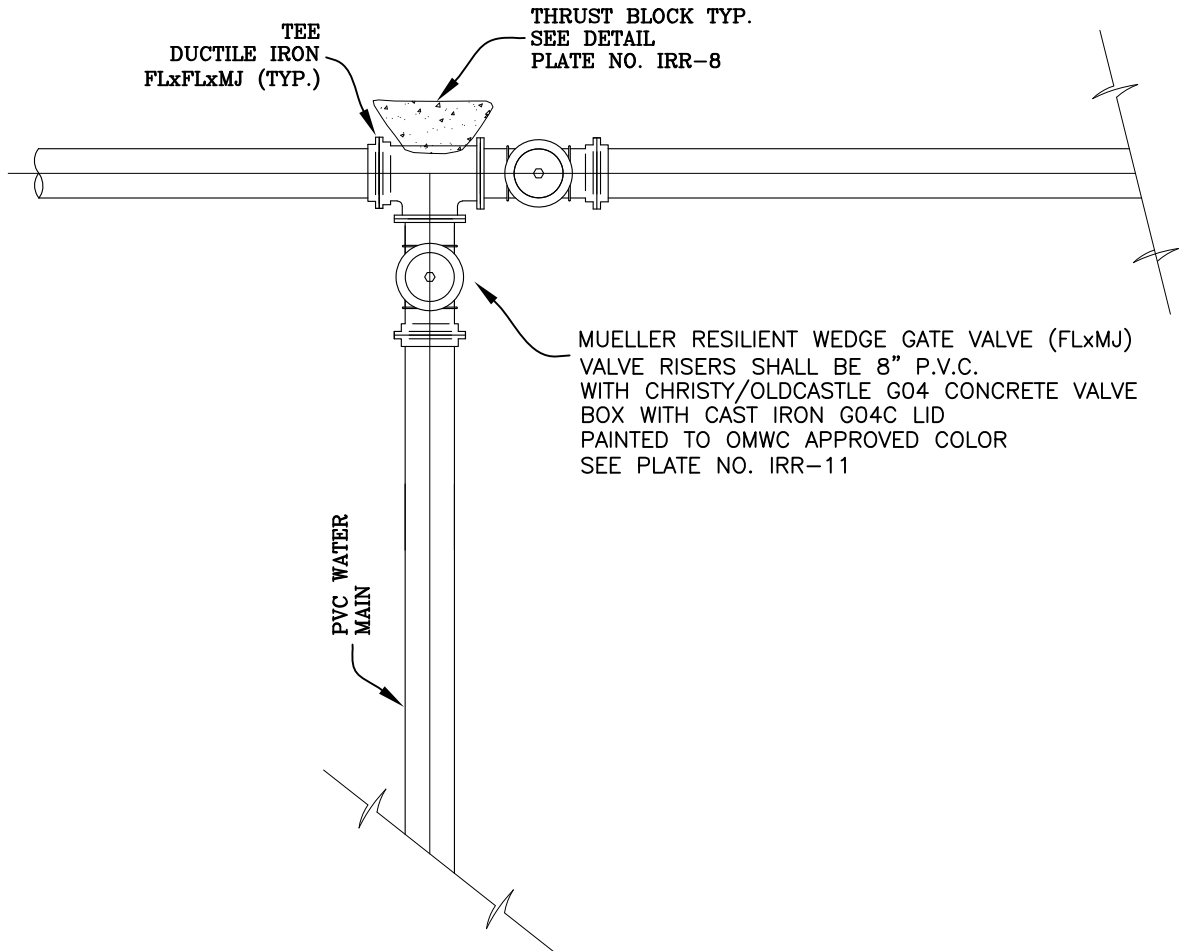
OILDALE MUTUAL WATER CO.

NON-POTABLE VALVE & REDUCER  
THRUST BLOCK SCHEDULE

DATE: 8/1/13

PLATE No. IRR-9

NOTE: IF GATE VALVES ARE LOCATED IN THE PAVED ROAD RIGHT-OF-WAY AREA, GATE VALVES SHALL BE FLANGED TO THE TEE.



MUELLER RESILIENT WEDGE GATE VALVE (FLxMJ)  
 VALVE RISERS SHALL BE 8" P.V.C.  
 WITH CHRISTY/OLDCASTLE G04 CONCRETE VALVE  
 BOX WITH CAST IRON G04C LID  
 PAINTED TO OMWC APPROVED COLOR  
 SEE PLATE NO. IRR-11

NOTES:

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5. SEE PLATES IRR-8 AND IRR-9 FOR THRUST BLOCK SIZING TABLES.

REV. DATE: 3/28/17

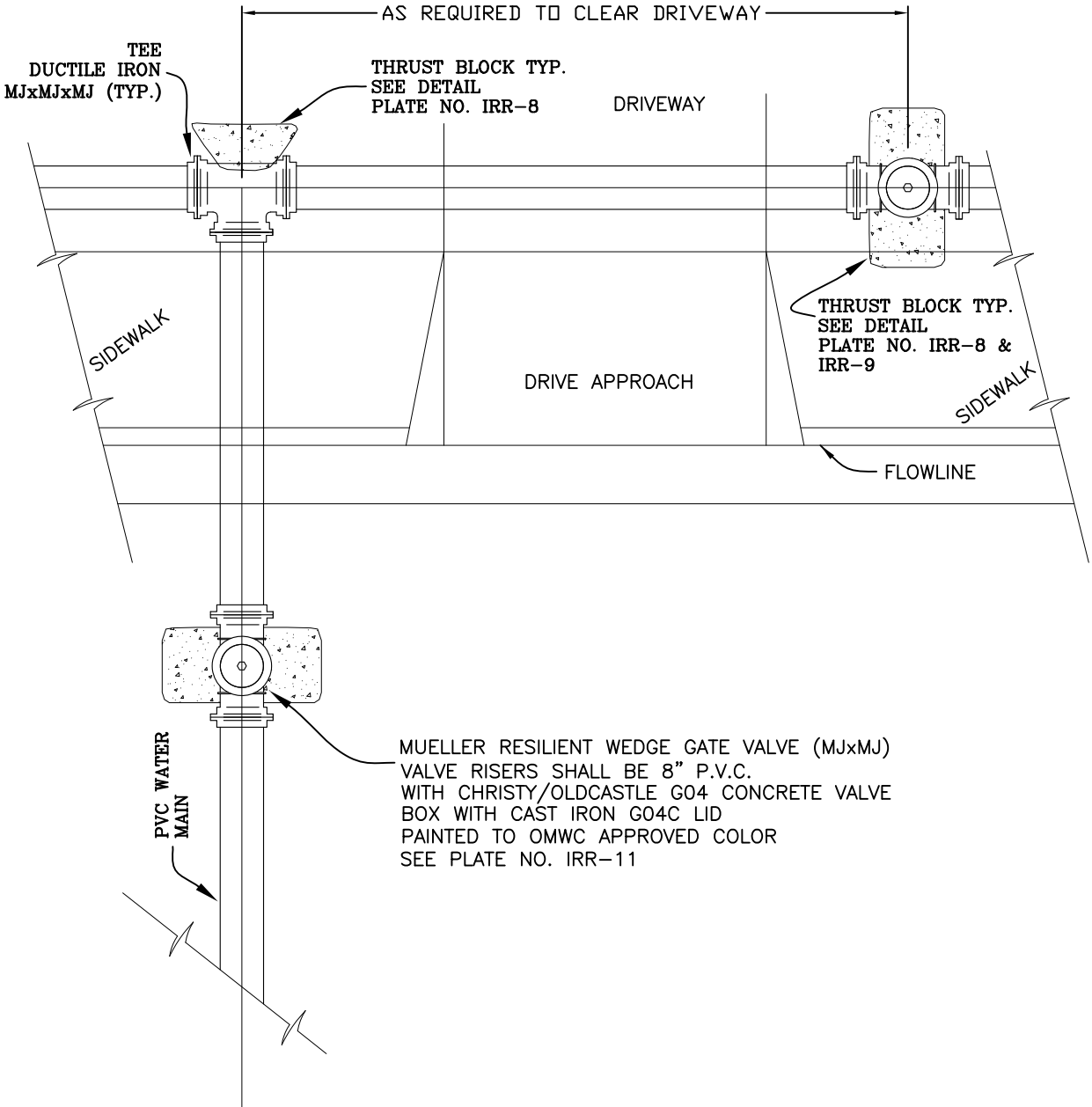
OILDALE MUTUAL WATER CO.

NON-POTABLE/IRRIGATION  
 GATE VALVE INSTALLATION  
 NO CURB RETURN

DATE: 8/1/13

PLATE No. IRR-10A





**NOTES:**

1. ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL, PRIOR TO POURING. OMWC WILL TEST SOIL FOR COMPACTION.
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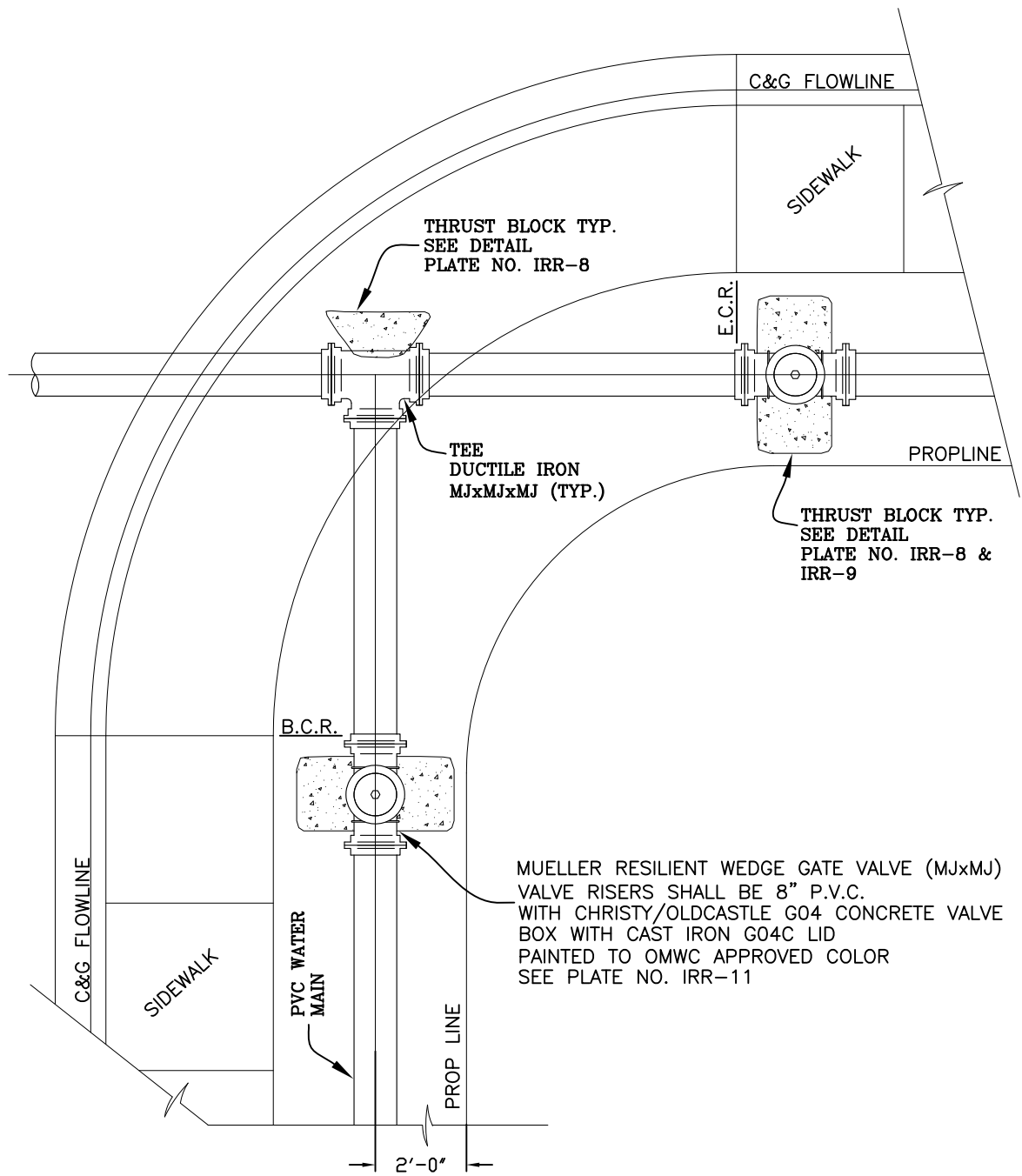
REV. DATE: 3/28/17

**OILDALE MUTUAL WATER CO.**

NON-POTABLE GATE VALVE INSTALLATION  
DRIVEWAY (NO CURB RETURN)

DATE: 8/1/13

PLATE No. IRR-10B

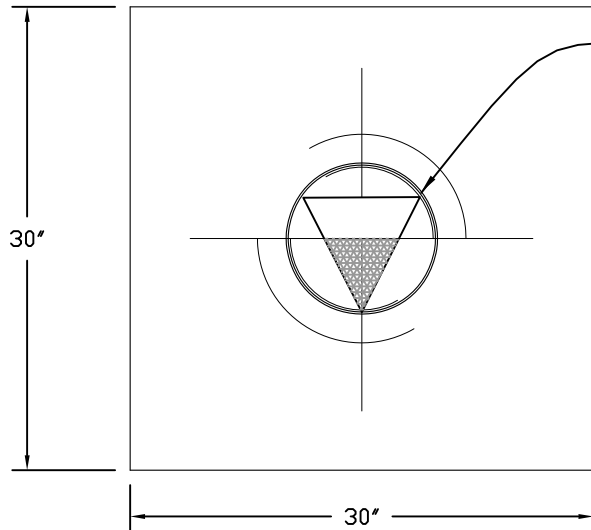


**NOTES:**

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REV. DATE: 3/28/17

<b>OILDALE MUTUAL WATER CO.</b>	
NON-POTABLE GATE VALVE INSTALLATION WITH CURB RETURN	
DATE: 8/1/13	PLATE No. IRR-10C

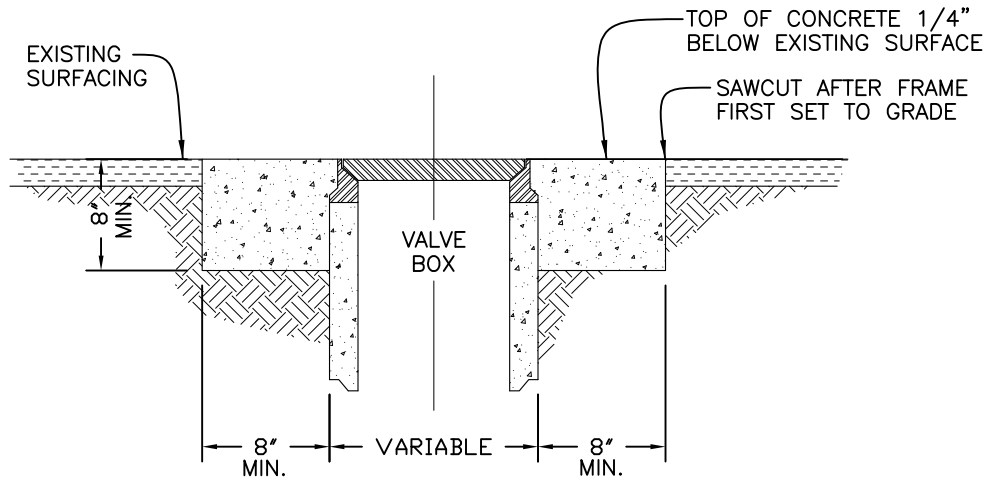


PLAN  
N.T.S.

VALVE BOX SHALL BE OLDCASTLE / CHRISTY  
G04 BOX W/ G04C LID IN PURPLE - OMWC APPROVED COLOR  
LIDS SHALL BE MARKED "IRRIGATION"

NOTES

1. DIMENSIONS TO BE SAME FOR ALL SIZES OR TYPES OF OPENINGS.
2. ALL VALVE BOXES SHALL BE INSTALLED WITH CONCRETE A PAD.
3. CONCRETE MAY BE DELETED ON ROAD MIX STREETS UPON APPROVAL OF INSPECTOR.
4. CONCRETE TO BE CLASS "A" (SIX SACK).
5. CONCRETE TO BE BARRICADED FOR THREE DAYS AFTER POURING.
6. CONCRETE CURE TO BE IN ACCORDANCE WITH SECTION 90-7 "CURING CONCRETE" OF THE CALTRANS STANDARD SPECIFICATIONS OR PER COUNTY REQUIREMENTS.
7. RISER MATERIAL WILL BE SDR 35 8" DIAMETER, EXTENDED 6" INTO G04 BOX.
8. VALVE BOX LIDS SHALL BE SCREWED DOWN.



ELEVATION  
N.T.S.

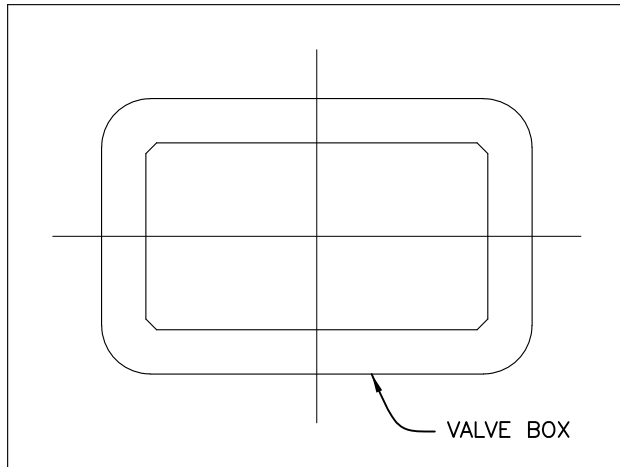
REV. DATE: 2/18/19

OILDALE MUTUAL WATER CO.

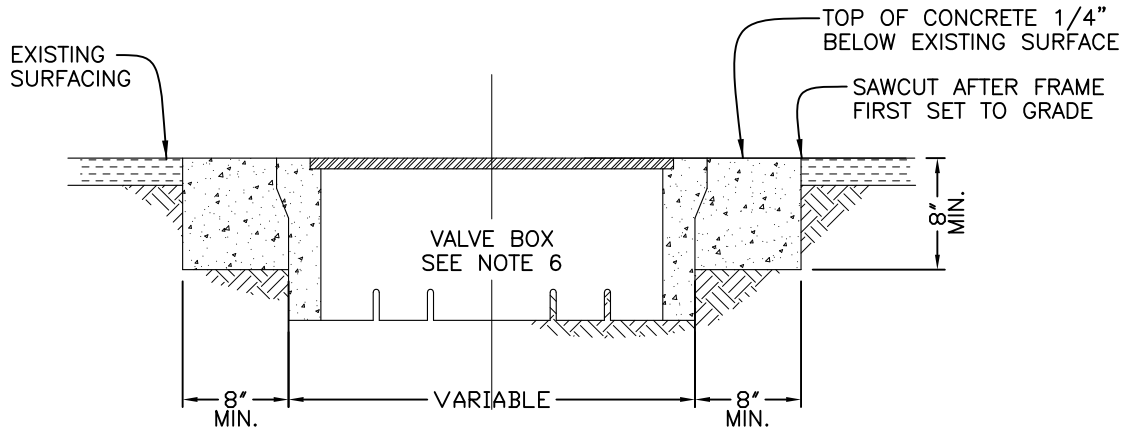
NON-POTABLE/IRRIGATION  
VALVE BOX ASSEMBLY

DATE: 8/1/13

PLATE No. IRR-11



PLAN  
N.T.S.



ELEVATION  
N.T.S.

NOTES

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3. CONCRETE TO BE CLASS "A" (SIX SACK).
4. CONCRETE TO BE BARRICADED FOR THREE DAYS AFTER POURING.
5. CONCRETE CURE TO BE IN ACCORDANCE WITH SECTION 90-7 "CURING CONCRETE" OF THE STANDARD SPECIFICATIONS PER COUNTY/CITY MOST CURRENT EDITION.
6. USE OLDCASTLE/CHRISTY BOXES AND LIDS AS FOLLOWS:  
 3/4" SERVICE B12 BOX W/B12-61G LID  
 1" SERVICE B16 BOX W/B16-61G LID  
 1-1/2" - 2" SERVICE B36 BOX W/B36-61G LID  
 3" - 4" SERVICE B48 BOX W/B48-62G LID
7. SEND RFI TO OMWC FOR LARGER OR MULTIPLE APPLICATIONS.
8. ALL BOXES & LIDS SHALL BE PURPLE - OMWC APPROVED COLOR AND MARKED "IRRIGATION".

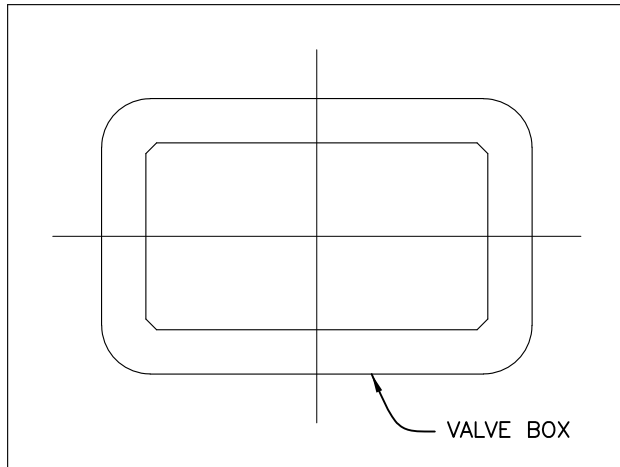
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OILDALE MUTUAL WATER CO.

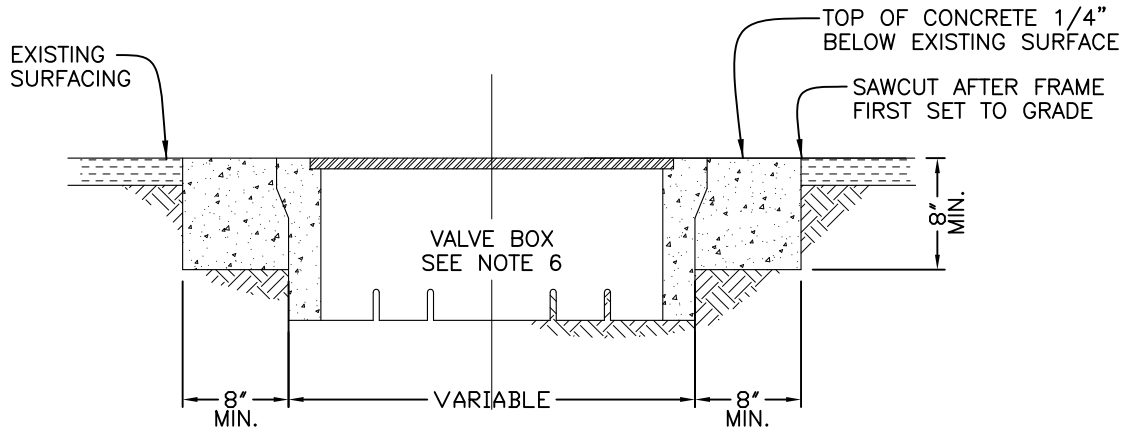
NON-POTABLE/IRRIGATION METER  
BOX IN PAVED AREA

DATE: 8/1/13

PLATE No. IRR-12A



PLAN  
N.T.S.



ELEVATION  
N.T.S.

NOTES

1. DIMENSIONS TO BE SAME FOR ALL SIZES OR TYPES OF OPENINGS.
2. CONCRETE MAY BE DELETED ON ROAD MIX STREETS UPON APPROVAL OF INSPECTOR.
3. CONCRETE TO BE CLASS "A" (SIX SACK).
4. CONCRETE TO BE BARRICADED FOR THREE DAYS AFTER POURING.
5. CONCRETE CURE TO BE IN ACCORDANCE WITH SECTION 90-7 "CURING CONCRETE" OF THE STANDARD SPECIFICATIONS PER COUNTY/CITY MOST CURRENT EDITION.
6. USE OLDCASTLE/CHRISTY BOXES AND LIDS AS FOLLOWS:  
 3/4" SERVICE B1017 BOX W/B1017-51GH LID  
 1" SERVICE B1324 BOX W/B1324-51GH LID  
 1-1/2" - 2" SERVICE B1730 BOX W/B1730-51GH LID  
 3" - 4" SERVICE B3048 BOX W/B3048-53JH LID
7. SEND RFI TO OMWC FOR LARGER OR MULTIPLE APPLICATIONS.
8. ALL BOXES & LIDS SHALL BE PURPLE - OMWC APPROVED COLOR AND MARKED "IRRIGATION".

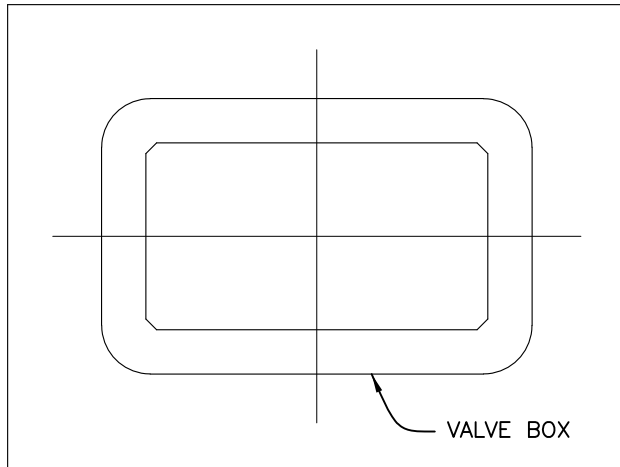
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OILDALE MUTUAL WATER CO.

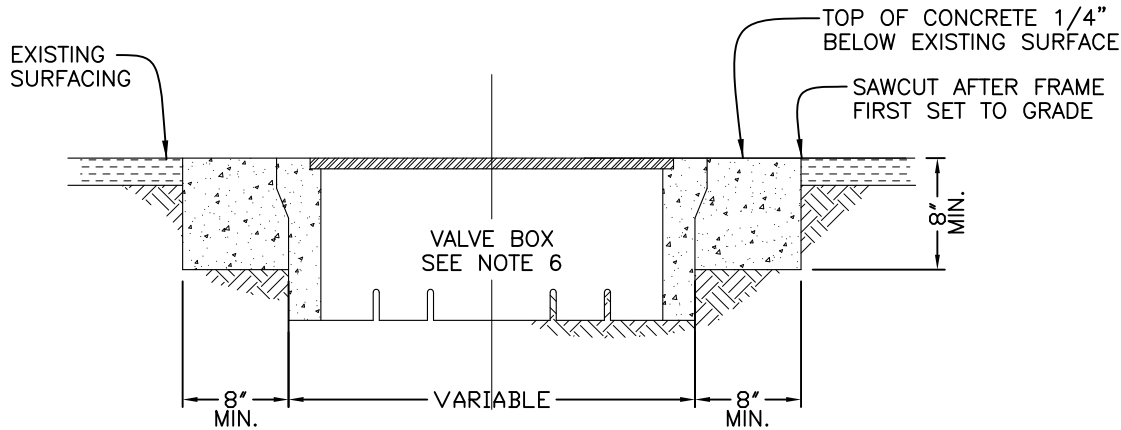
NON-POTABLE/IRRIGATION METER  
BOX IN TRAFFIC AREA

DATE: 8/1/13

PLATE No. IRR-12B



PLAN  
N.T.S.



ELEVATION  
N.T.S.

NOTES

1. DIMENSIONS TO BE SAME FOR ALL SIZES OR TYPES OF OPENINGS.
2. CONCRETE MAY BE DELETED ON ROAD MIX STREETS UPON APPROVAL OF INSPECTOR.
3. CONCRETE TO BE CLASS "A" (SIX SACK).
4. CONCRETE TO BE BARRICADED FOR THREE DAYS AFTER POURING.
5. CONCRETE CURE TO BE IN ACCORDANCE WITH SECTION 90-7 "CURING CONCRETE" OF THE STANDARD SPECIFICATIONS PER COUNTY/CITY MOST CURRENT EDITION.
6. USE OLDCASTLE/CHRISTY BOXES AND LIDS AS FOLLOWS:  
 3/4" SERVICE B12 BOX W/B12D LID  
 1" SERVICE B16 BOX W/B16D LID  
 1-1/2" - 2" SERVICE B36 BOX W/B36E LID  
 3" - 4" SERVICE B48 BOX W/B48 M2 LID
7. SEND RFI TO OMWC FOR LARGER OR MULTIPLE APPLICATIONS.
8. ALL BOXES & LIDS SHALL BE PURPLE - OMWC APPROVED COLOR AND MARKED "IRRIGATION".

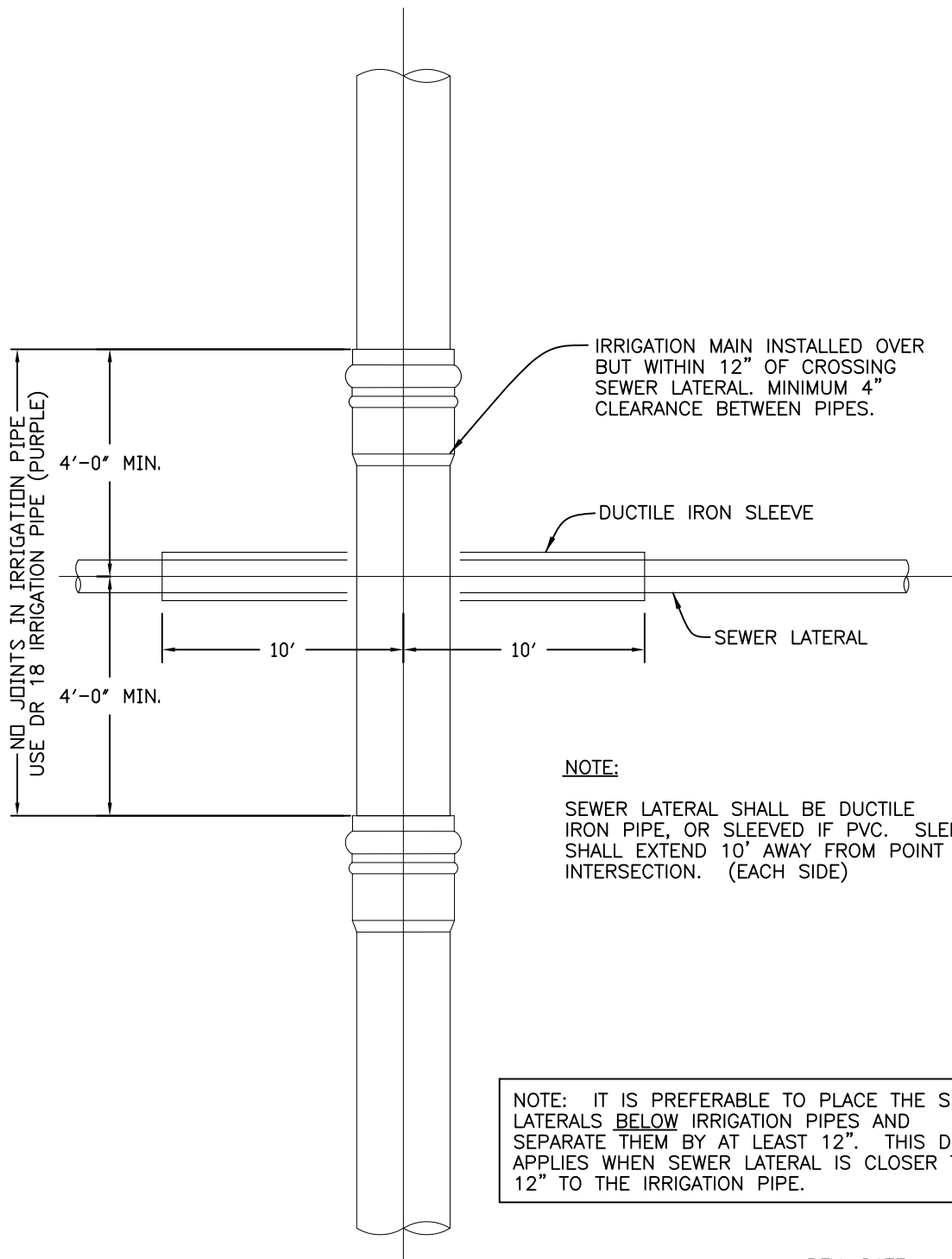
REV. DATE: 2/18/19

OILDALE MUTUAL WATER CO.

NON-POTABLE/IRRIGATION METER  
BOX IN LANDSCAPE AREA

DATE: 8/1/13

PLATE No. IRR-12C



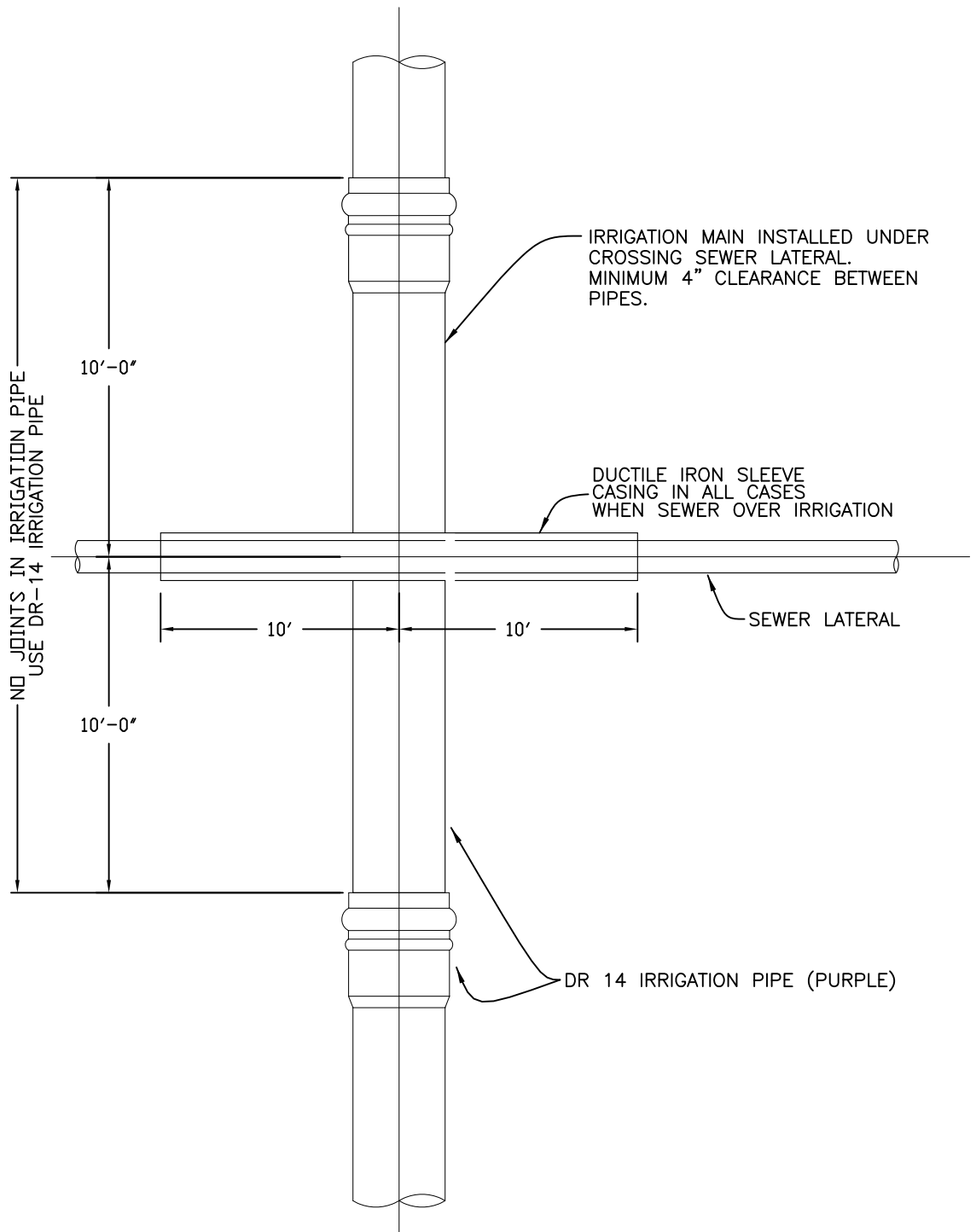
REV. DATE:

**OILDALE MUTUAL WATER CO.**

IRRIGATION MAIN CROSSING 12" OR LESS ABOVE SEWER LATERAL

DATE: 8/1/13

PLATE No. IRR-13A



REV. DATE:

NOTE: THIS CONDITION IS NOT PREFERRED.  
 ONLY PLACE SEWER LATERAL ABOVE IRRIGATION IF  
 THERE IS NO OTHER ALTERNATIVE.

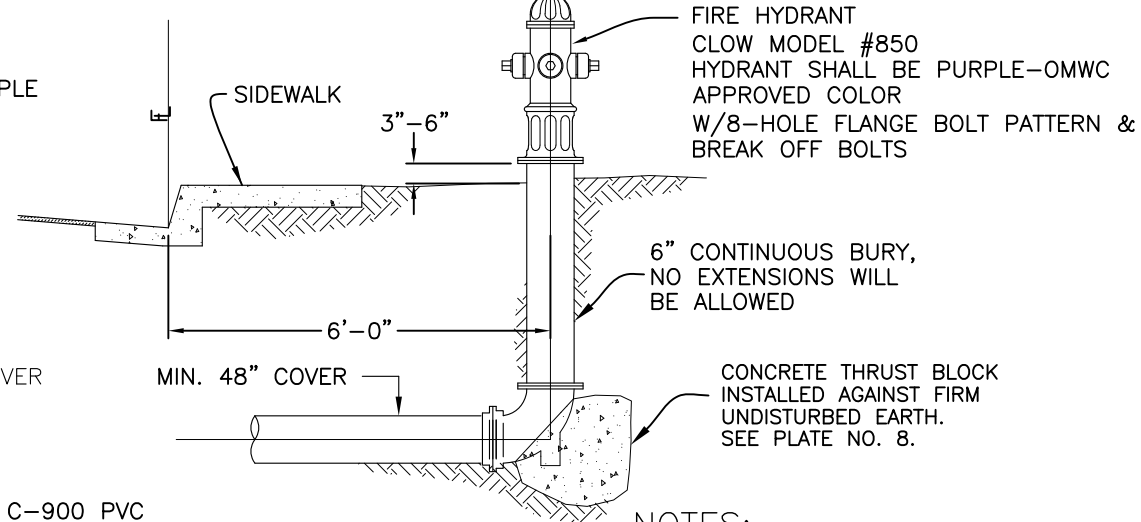
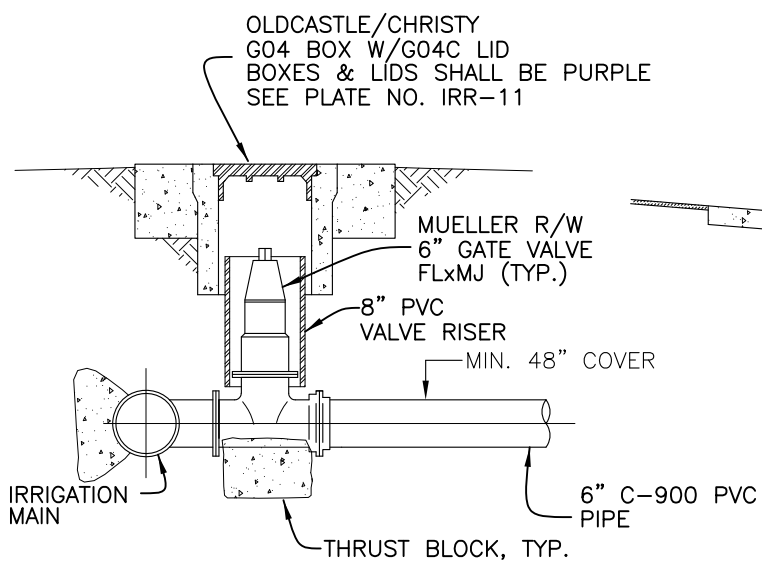
**OILDALE MUTUAL WATER CO.**

IRRIGATION MAIN CROSSING  
 BELOW SEWER LATERAL

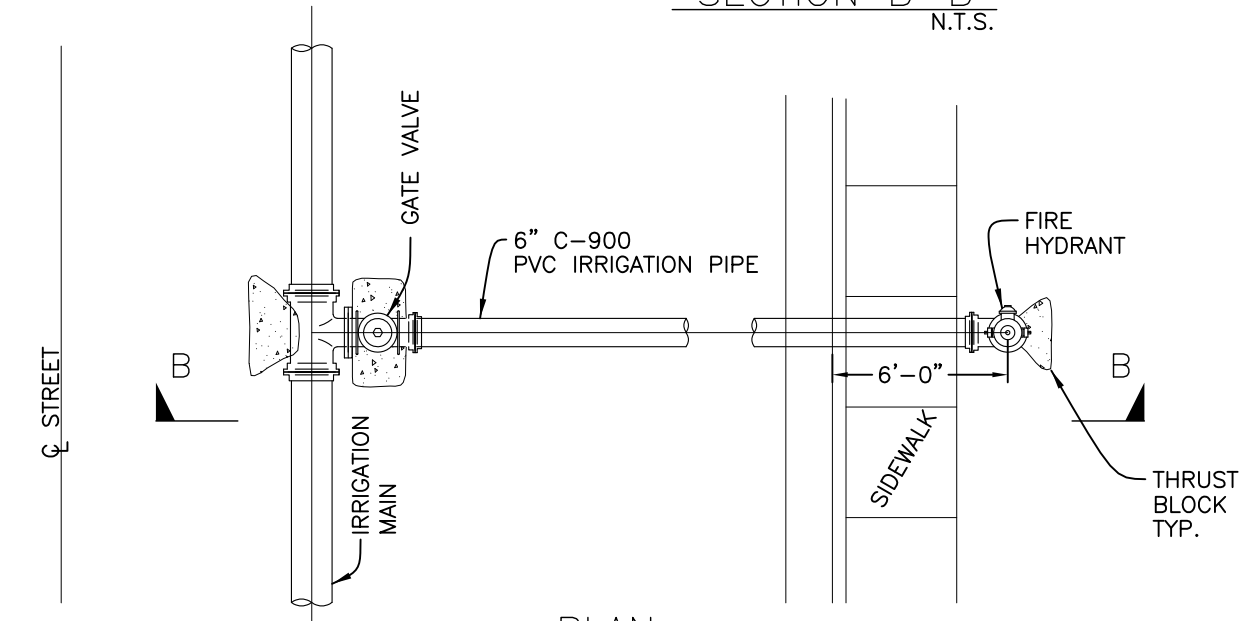
DATE: 8/1/13

PLATE No. IRR-13B





SECTION B-B  
N.T.S.



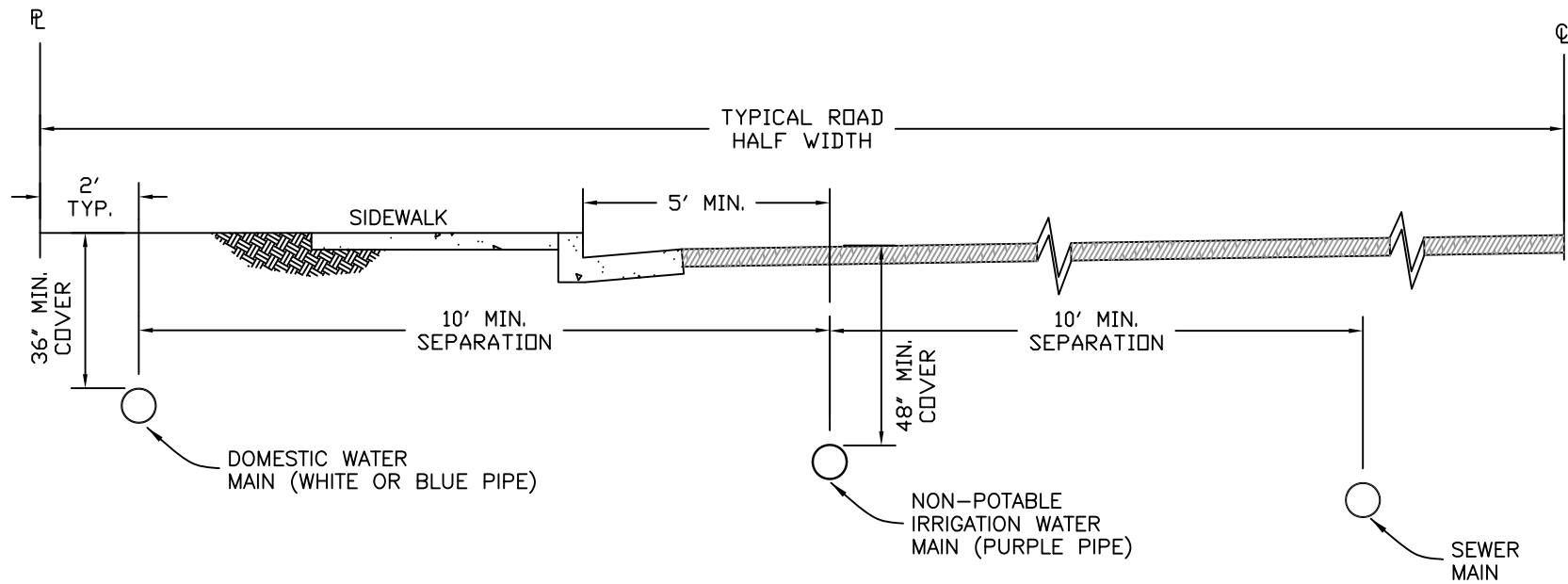
PLAN  
N.T.S.

NOTES:

1. ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL, PRIOR TO POURING. OMWC WILL TEST SOIL FOR COMPACTION.
2. POLYETHYLENE PLASTIC FILM WRAP SHALL BE PLACED AROUND ALL BURIED DUCTILE IRON VALVES AND FITTINGS. FILM WRAP SHALL BE OF VIRGIN POLYETHYLENE AND MEET THE REQUIREMENTS OF ASTM D-1248 FOR TYPE 1, CLASS A, GRADE E-1 AND ASTM D-1238. FILM WRAP SHALL BE 10 MILS IN THICKNESS.
3. ALL THRUST BLOCKS SHALL BE ALLOWED TO CURE, UNDISTURBED, AND MUST BE APPROVED BY OMWC PRIOR TO BACKFILL.
4. CONCRETE STRENGTH SHALL BE 2000 PSI AT 28 DAYS MINIMUM AND SHALL NOT COME INTO DIRECT CONTACT WITH PIPE AND FITTINGS OR VALVES.
5. SEE PLATES IRR-8 AND IRR-9 FOR THRUST BLOCK SIZING TABLES.

REV. DATE: 5/8/19

<b>OILDALE MUTUAL WATER CO.</b>	
NON-POTABLE FIRE HYDRANT IRRIGATION SYSTEM	
DATE: 8/1/13	PLATE No. IRR-14



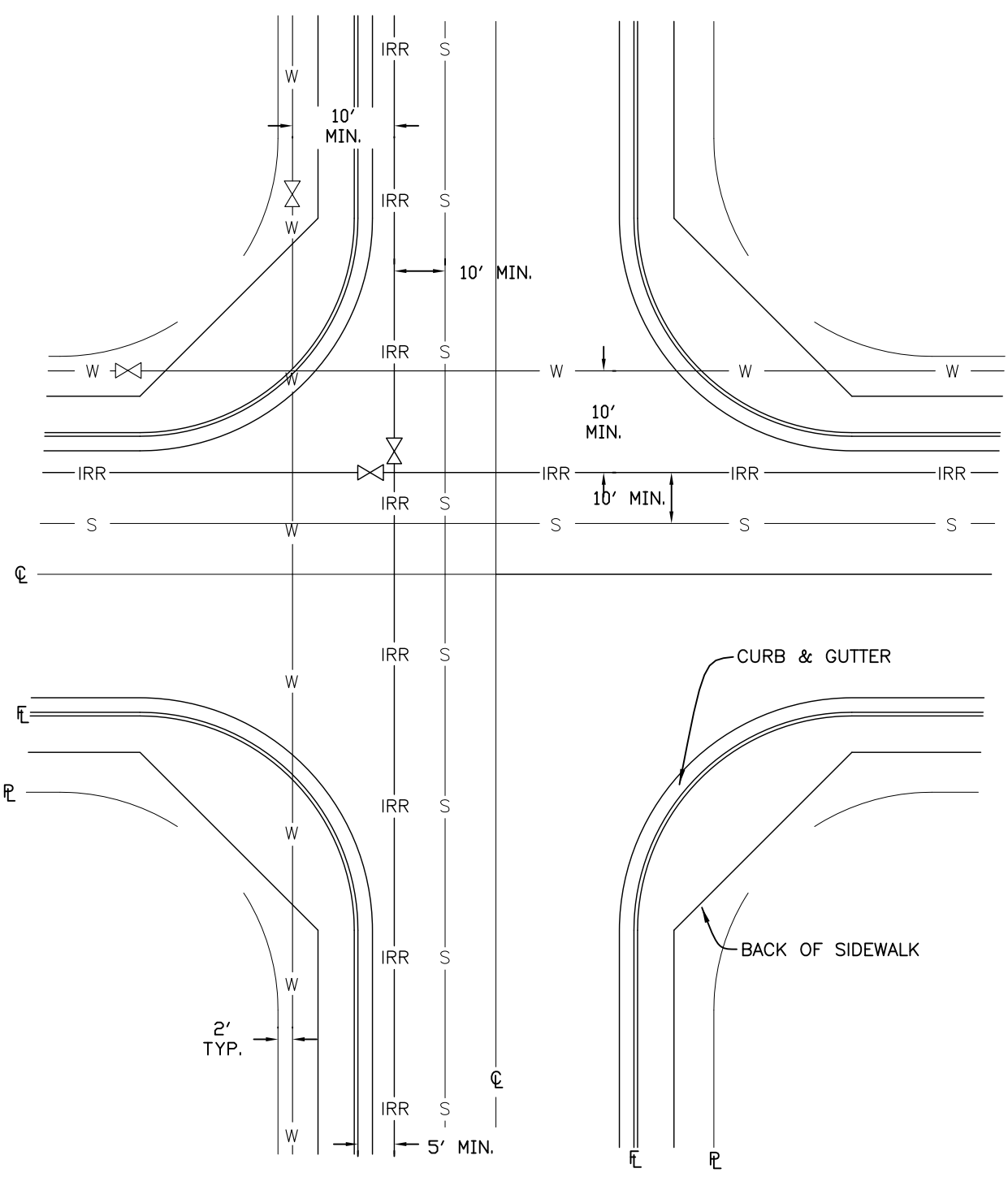
REV. DATE:

OILDALE MUTUAL WATER CO.

UTILITY PIPE  
SEPARATION LAYOUT

DATE: 8/1/13

PLATE No. IRR-15



**NOTE:** NUMBER OF GATE VALVES AT INTERSECTIONS AND LOCATIONS OF VALVES ARE SUBJECT TO THE REVIEW AND APPROVAL OF OMWC. OMWC MAY ADD VALVES AT THEIR DISCRETION. ALL GATE VALVES ON IRRIGATION MAINS SHALL BE PAINTED OMWC APPROVED COLOR.

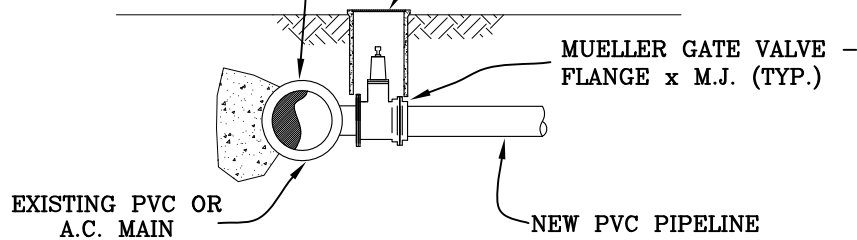
REV. DATE: 2/28/16

<b>OILDALE MUTUAL WATER CO.</b>	
PIPELINE AND VALVE LAYOUT	
DATE: 8/1/13	PLATE No. IRR-16

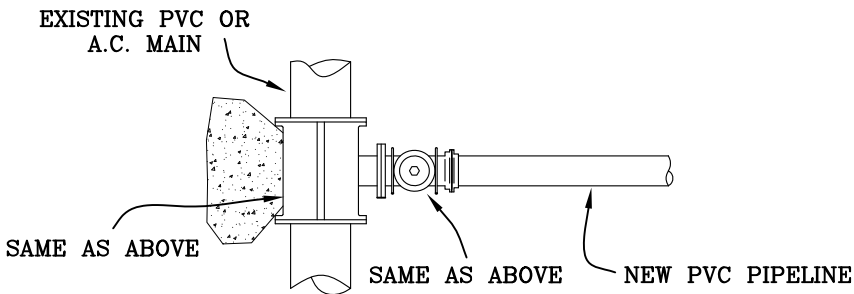
S.S. MUELLER TAPPING  
SLEEVE H-304SS OR  
SMITH-BLAIR 663 &  
MUELLER GATE VALVE.

OLDCASTLE/CHRISTY  
G5 BOX W/G5CT LID  
SEE PLATE NO. 11

GROUND SURFACE



ELEVATION VIEW



PLAN VIEW

ALLOWABLE "HOT TAP" CONNECTION COMBINATIONS

MAIN BEING TAPPED	SIZE OF OUTLET PIPE
24"	16" OR SMALLER
18"	12" OR SMALLER
16"	10" OR SMALLER
14"	8" OR SMALLER
12"	8" OR SMALLER
10"	6" OR SMALLER
8"	4" OR SMALLER

NOTES:

- 1) WHEN TAPPING SLEEVES ARE ORDERED FROM THE MANUFACTURER, THE OUTSIDE DIAMETER OF THE PIPE BEING TAPPED, THE SIZE OF THE OUTLET DESIRED, AND THE WORKING PRESSURE SHALL BE SPECIFIED TO INSURE THAT THE CORRECT SLEEVES ARE FURNISHED. LEAD-JOINT SLEEVES SHALL NOT BE USED AND THE TAPPING SLEEVE SHALL PROVIDE FULL SUPPORT AROUND THE CIRCUMFERENCE OF THE PIPE.
- 2) THE TAPPING SLEEVES SHALL BE ASSEMBLED ON THE PIPE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS, INSURING THAT NO PIPE DISTORTION OCCURS. THE TAPPING VALVE IS THEN CONNECTED TO THE SLEEVE.
- 3) TAPPING SLEEVES SHALL BE SUPPORTED INDEPENDENTLY FROM THE PIPE DURING THE TAPPING. SUPPORT USED SHALL BE LEFT IN PLACE AFTER TAPPING. THRUST BLOCKS SHALL BE USED AS WITH ANY OTHER FITTING OR APPURTENANCE.
- 4) ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL, PRIOR TO POURING. OMWC WILL TEST SOIL FOR COMPACTION.
- 5) POLYETHYLENE PLASTIC FILM WRAP SHALL BE PLACED AROUND ALL BURIED DUCTILE IRON VALVES AND FITTINGS. FILM WRAP SHALL BE OF VIRGIN POLYETHYLENE AND MEET THE REQUIREMENTS OF ASTM D-1248 FOR TYPE I, CLASS A, GRADE E-1, AND ASTM D-1238. FILM WRAP SHALL BE 10 MILS IN THICKNESS.
- 6) ALL THRUST BLOCKS SHALL BE ALLOWED TO SET UP, UNDISTURBED, AND SHALL BE APPROVED BY OMWC PRIOR TO BACKFILL.
- 7) CONCRETE STRENGTH SHALL BE 2,000 PSI AT 28 DAYS MINIMUM AND SHALL NOT COME INTO DIRECT CONTACT WITH PIPE AND FITTINGS OR GATE VALVES.
- 8) SEE PLATES IRR-8 AND IRR-9 FOR THRUST BLOCK SIZING TABLES.

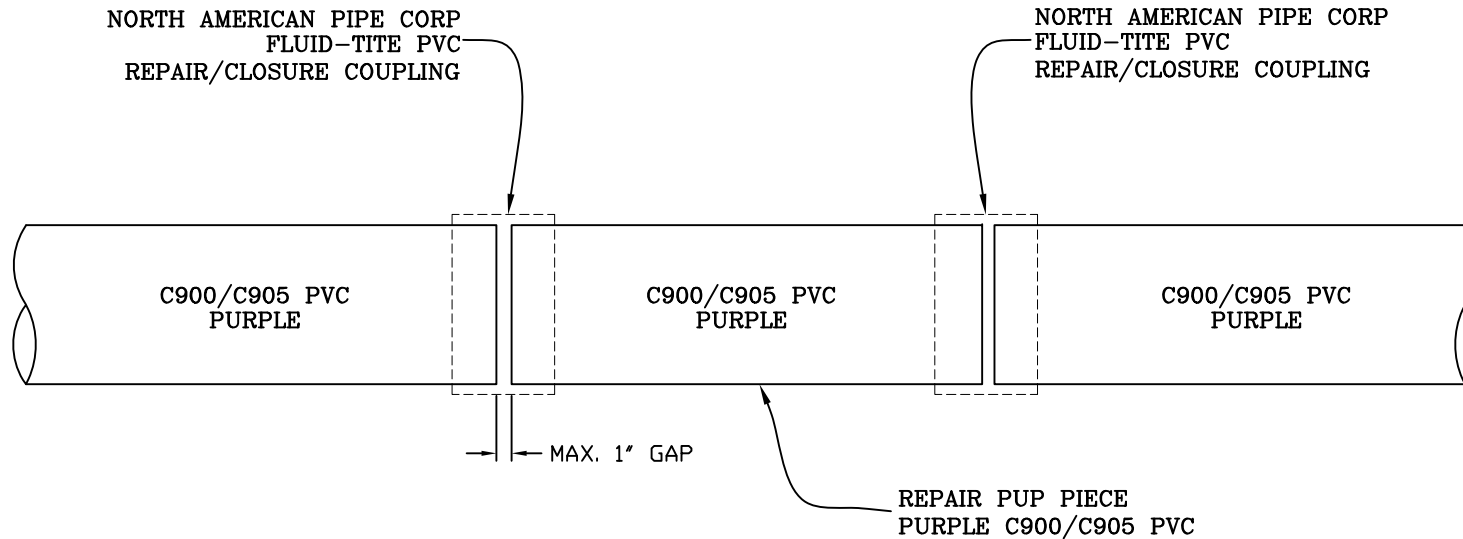
REV. DATE: 6/15/2020

OILDALE MUTUAL WATER CO.

NON-POTABLE/IRRIGATION  
HOT TAPPING WATER MAIN

DATE: 8/1/13

PLATE No. IRR-17

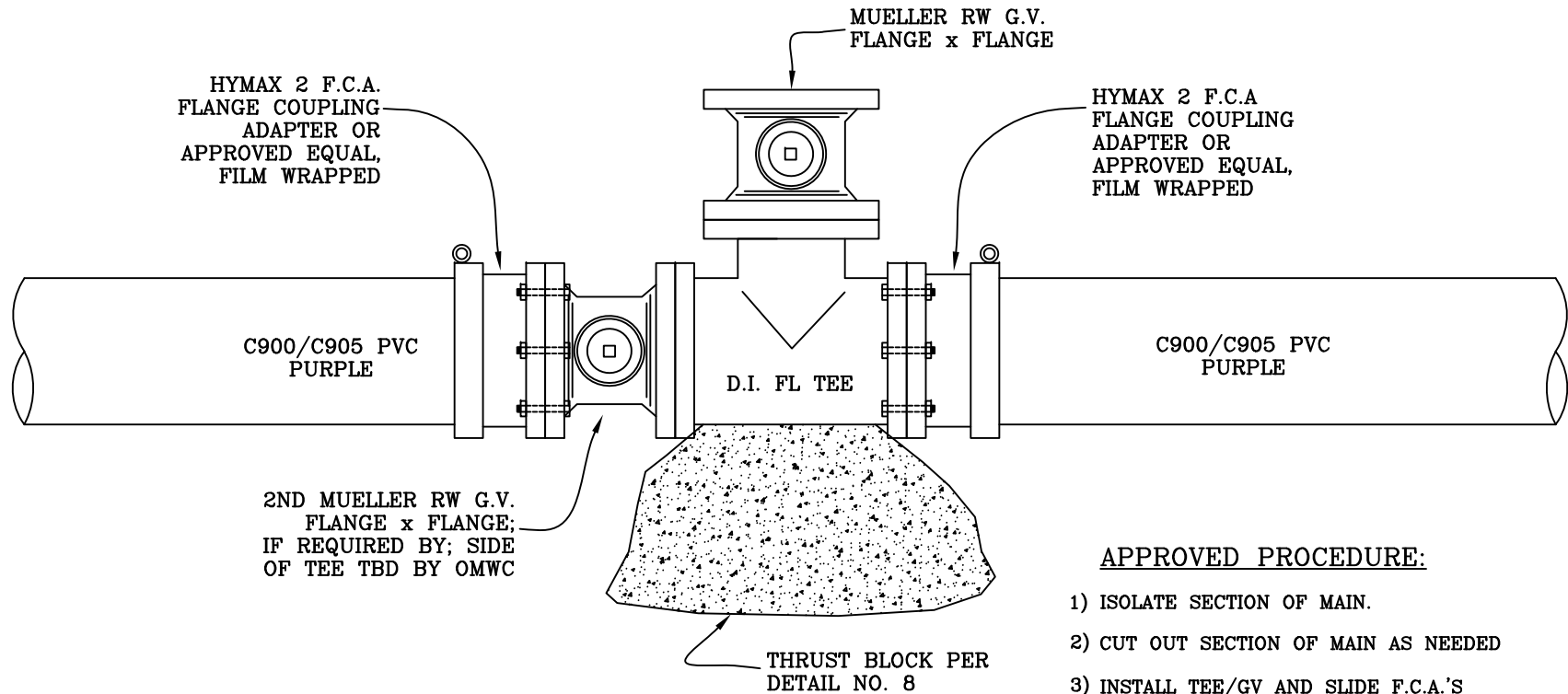


**APPROVED PROCEDURE:**

- 1) ISOLATE SECTION OF MAIN.
- 2) CUT OUT SECTION OF MAIN.
- 3) BEVEL EXISTING PVC MAIN.
- 4) INSTALL REPAIR/CLOSURE COUPLING ON EXISTING PVC MAIN.
- 5) INSTALL SECTIONS OF C900 OR C905 PVC INTO RUN ENDS OF TEE, WITH BEVELED ENDS OUT.
- 6) INSTALL TEE/GV AND SLIDE THE REPAIR/CLOSURE COUPLINGS TOWARDS TEE.
- 7) SEE OMWC FOR DISINFECTION PROCEDURES.

REV. DATE: 8/4/16

OILDALE MUTUAL WATER CO.	
NON-POTABLE/IRRIGATION C900/C905 PVC PIPE REPAIR	
DATE: 8/1/13	PLATE No. IRR-18



**APPROVED PROCEDURE:**

- 1) ISOLATE SECTION OF MAIN.
- 2) CUT OUT SECTION OF MAIN AS NEEDED
- 3) INSTALL TEE/GV AND SLIDE F.C.A.'S TOWARDS TEE/GV.
- 4) SEE OMWC FOR DISINFECTION PROCEDURES.

**NOTES:**

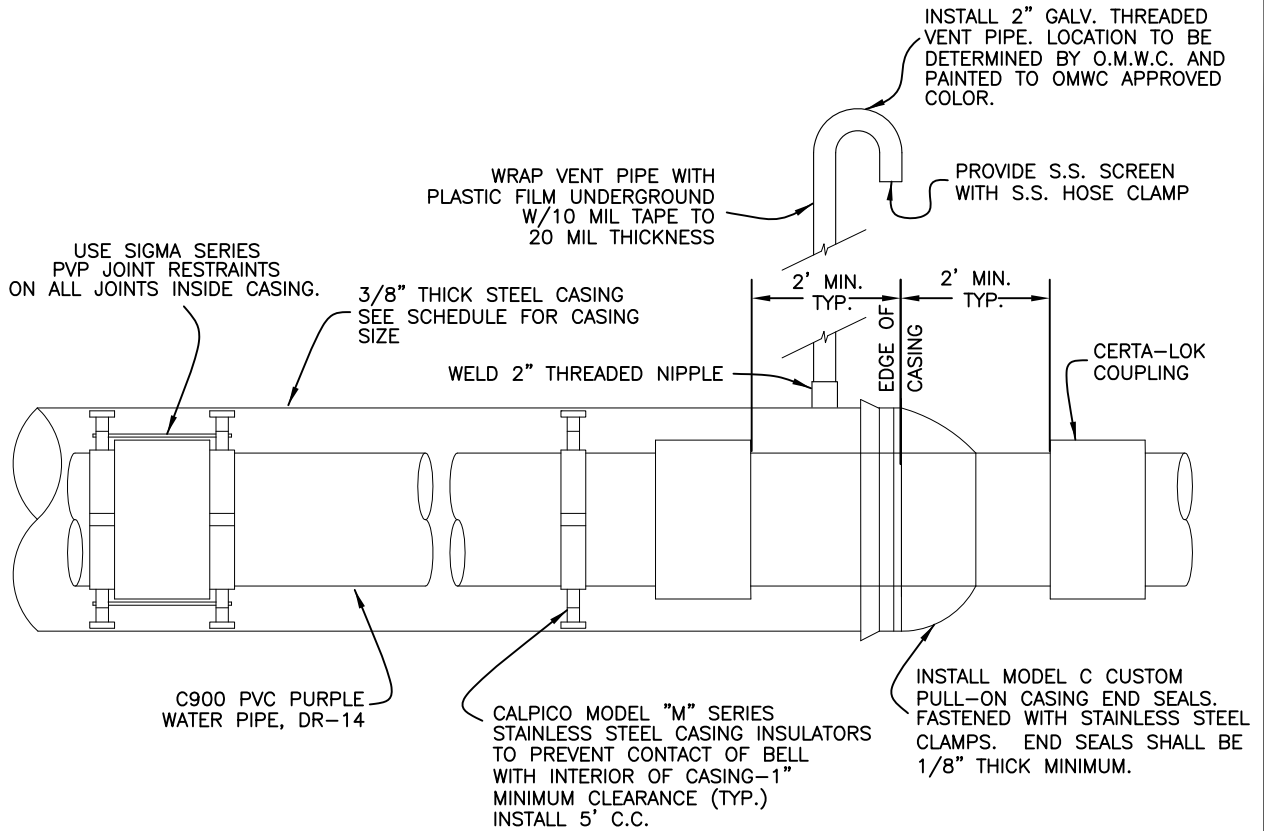
1. ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL, PRIOR TO POURING. OMWC WILL TEST SOIL FOR COMPACTION.
2. POLYETHYLENE PLASTIC FILM WRAP SHALL BE PLACED AROUND ALL BURIED DUCTILE IRON VALVES AND FITTINGS. FILM WRAP SHALL BE OF VIRGIN POLYETHYLENE AND MEET THE REQUIREMENTS OF ASTM D-1248 FOR TYPE 1, CLASS A, GRADE E-1 AND ASTM D-1238. FILM WRAP SHALL BE 10 MILS IN THICKNESS.
3. ALL THRUST BLOCKS SHALL BE ALLOWED TO CURE, UNDISTURBED, AND MUST BE APPROVED BY OMWC PRIOR TO BACKFILL.
4. CONCRETE STRENGTH SHALL BE 2000 PSI AT 28 DAYS MINIMUM AND SHALL NOT COME INTO DIRECT CONTACT WITH PIPE AND FITTINGS OR VALVES.
5. SEE PLATES NO. 8 AND NO. 9 FOR THRUST BLOCK SIZING TABLES.

REV. DATE: 1/5/22

OILDALE MUTUAL WATER CO.  
 NON-POTABLE/IRRIGATION  
 TIE-IN DETAIL  
 C900/C905 PVC PIPE

DATE: 8/1/13

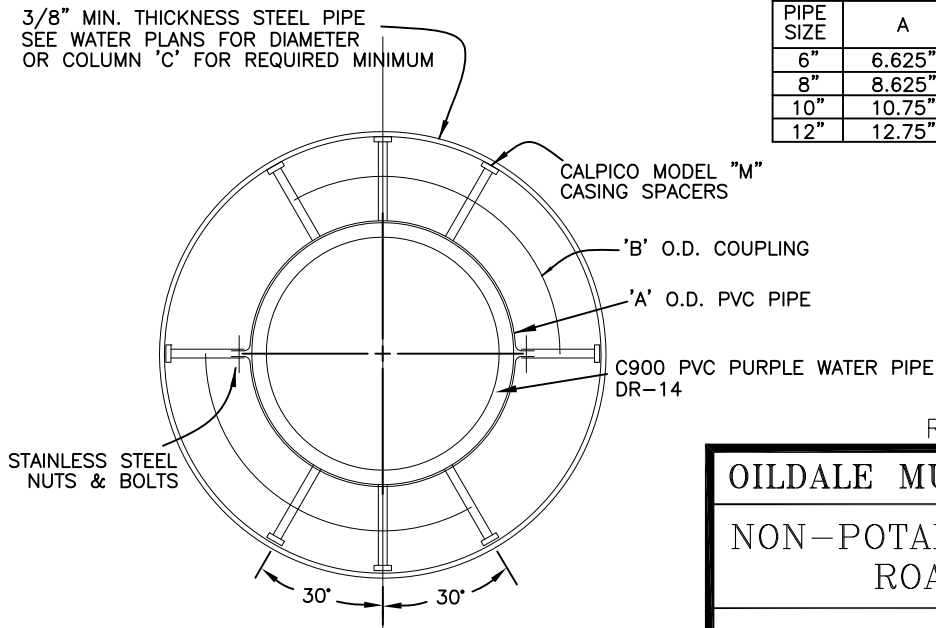
PLATE No. IRR-19



NOTES:

1. STEEL CASING SHALL BE INSTALLED USING THE BORE, JACK AND/OR TUNNEL METHOD.
2. FULL PENETRATING WELDS SHALL BE USED TO JOIN CASING SECTIONS
3. CASING SPACERS SHALL BE INSTALLED AT 5 FT. INTERVALS OR AS RECOMMENDED BY THE PIPE MANUFACTURER. IN ANY CASE MINIMUM JOINT DEFLECTION SHALL BE OBSERVED.
4. CARE SHALL BE EXERCISED DURING INSTALLATION IN ORDER TO PREVENT DAMAGE TO PIPE AND BELL.
5. CONTRACTOR SHALL FOLLOW PIPE INSTALLATION PROCEDURES AS DETAILED BY THE PIPE MANUFACTURER.

3/8" MIN. THICKNESS STEEL PIPE  
SEE WATER PLANS FOR DIAMETER  
OR COLUMN 'C' FOR REQUIRED MINIMUM



DIAMETER SCHEDULE			
PIPE SIZE	A	B	C (MINIMUM ID)
6"	6.625"	7.84"	14"
8"	8.625"	10.19"	17.5"
10"	10.75"	12.44"	21.5"
12"	12.75"	14.65"	23"

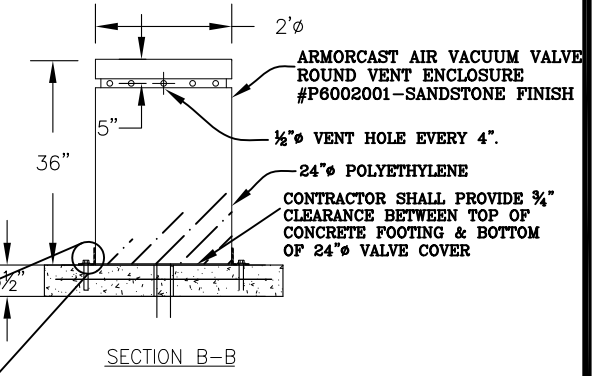
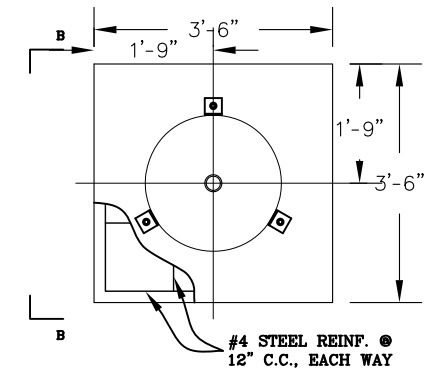
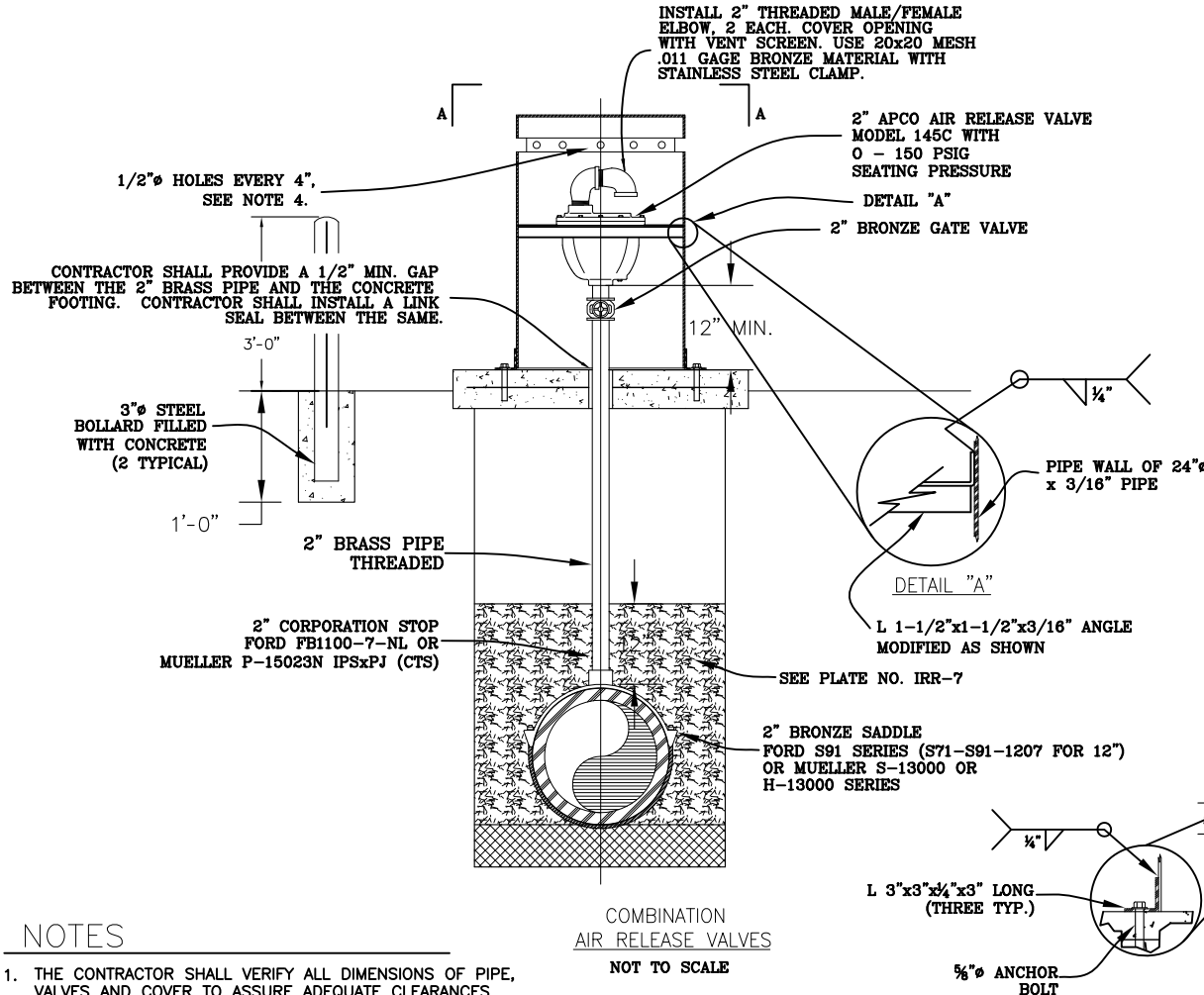
REVISED:

OILDALE MUTUAL WATER CO.

NON-POTABLE/IRRIGATION  
ROAD BORE

DATE: 8/1/13

PLATE No. IRR-21



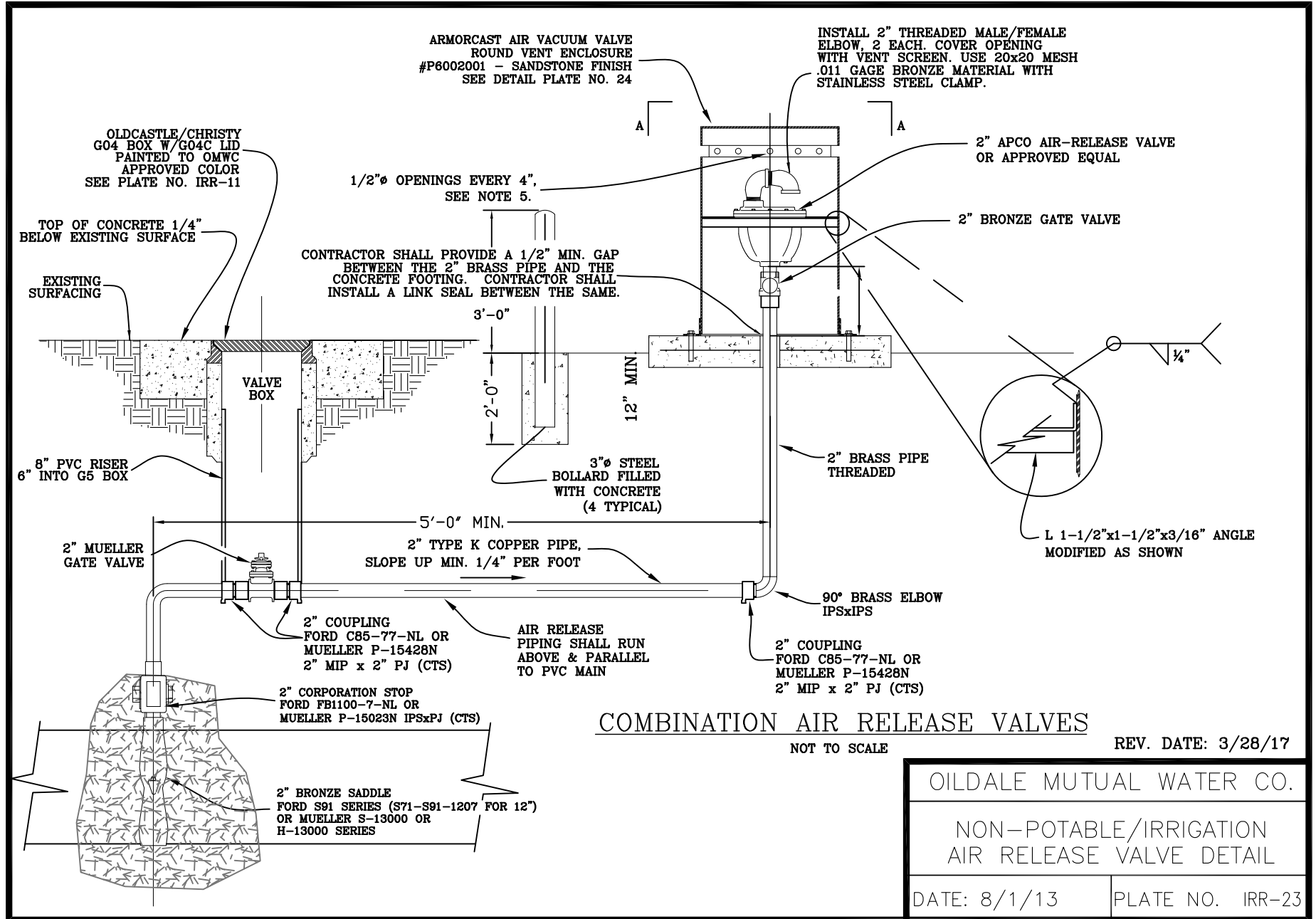
**NOTES**

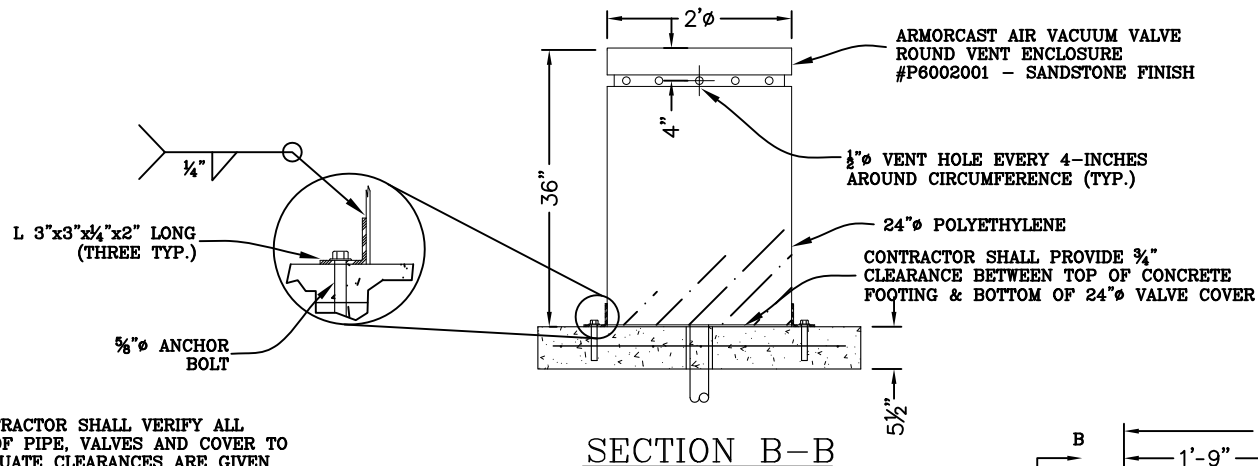
1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF PIPE, VALVES AND COVER TO ASSURE ADEQUATE CLEARANCES ARE GIVEN BETWEEN THE SAME.
2. CONTRACTOR SHALL TAKE CARE TO PROTECT ANY PVC PIPE USED FOR TRANSMISSION LINE PIPING DURING THE CONSTRUCTION OF THE VALVE COVER AND AIR RELEASE VALVE INSTALLATION SO AS TO NOT PLACE EXCESSIVE LOADS ON THE PIPE.
3. AIR RELEASE VALVES SHALL BE EPOXY LINED. EPOXY SHALL BE #134 SCOTCHKOTE SYSTEM.
4. ONE 1/2" Ø HOLE EVERY FOUR-INCHES AROUND CIRCUMFERENCE OF COVER TOP.
5. ALL ABOVE GROUND PIPE, VALVES, CONNECTIONS, & BOLLARDS SHALL BE PAINTED AS REQUIRED BY OILDALE MUTUAL WATER COMPANY TO APPROVED COLOR.
6. ALL BURIED STEEL PIPE FITTINGS AND APPURTENANCES SHALL BE FILM WRAPPED.
7. CONCRETE PAD SHALL BE 3000 PSI MIN.
8. VALVE COVER SHALL BE ARMORCAST #P002001-SANDSTONE COLOR OR OMCW APPROVED EQUAL

REV. DATE: 2/28/16

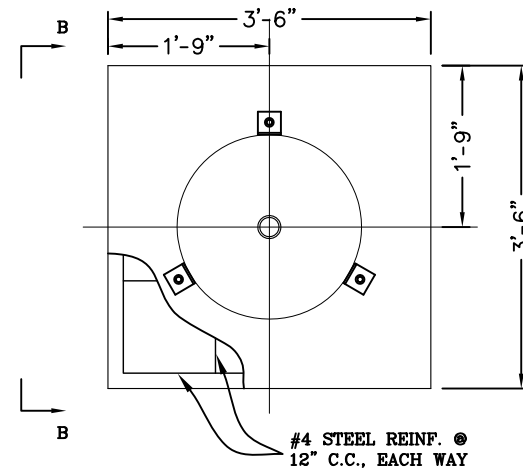
<b>OILDALE MUTUAL WATER COMPANY</b>	
NON-POTABLE/IRRIGATION 2" AIR RELEASE VALVE DETAIL NON-TRAFFIC AREAS	
DATE: 8/1/13	PLATE No. IRR-22







SECTION B-B



SECTION A-A

**NOTES:**

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF PIPE, VALVES AND COVER TO ASSURE ADEQUATE CLEARANCES ARE GIVEN BETWEEN THE SAME.
2. CONTRACTOR SHALL TAKE CARE TO PROTECT ANY PVC PIPE USED FOR TRANSMISSION LINE PIPING DURING THE CONSTRUCTION OF THE VALVE COVER AND AIR RELEASE VALVE INSTALLATION SO AS TO NOT PLACE EXCESSIVE LOADS ON THE PIPE.
3. AIR RELEASE VALVES SHALL BE EPOXY LINED. EPOXY SHALL BE #134 SCOTCHKOTE SYSTEM.
4. SOIL MATERIAL AND COMPACTION REQUIREMENTS SHALL BE THE SAME AS THE TRENCH DETAIL PLATE NO. 6 HEREON.
5. ONE 1/2"Ø HOLE EVERY FOUR-INCHES AROUND CIRCUMFERENCE OF COVER TOP.
6. ALL ABOVE GROUND PIPE, VALVES, CONNECTIONS, & BOLLARDS SHALL BE PAINTED AS REQUIRED BY OILDALE MUTUAL WATER COMPANY.
7. ALL BURIED STEEL PIPE FITTINGS AND APPURTENANCES SHALL BE FILM WRAPPED W/10 MIL TAPE TO A THICKNESS OF 20 MILS.
8. CONCRETE FOR FOOTING SHALL BE 3000 PSI MIN.
9. HEIGHT OF VALVE COVER SHALL BE 3'-0" FOR 2" COMBINATION AIR RELEASE VALVES (TYP.).
10. CLEARLY MARK COVER AS "NON-POTABLE" SUCH THAT IT IS VISIBLE FROM ALL SIDES.
11. VALVE COVER SHALL BE ARMORCAST #P002001-SANDSTONE COLOR OR OMWC APPROVED EQUAL

**AIR RELEASE VALVE COVER DETAILS**

NOT TO SCALE

REV. DATE: 2/26/16

OILDALE MUTUAL WATER CO.	
NON-POTABLE/IRRIGATION AIR RELEASE VALVE COVER DETAIL	
DATE: 8/1/13	PLATE NO. IRR-24