

APPENDIX 10B  
DISTRIBUTION BRANCH INSTALLATIONS

<u>DESCRIPTION</u>	<u>DRAWING #</u>
INDEX	10B-1
FLANGED TEES	
FLG X MJ GATE VALVES – RESTRAINED –	10B-2
FLG x PO GATE VALVES	10B-3
MECHANICAL JOINT x FLANGED TEES	
FLG x MJ GATE VALVE – RESTRAINED –	10B-4
FLG x PO GATE VALVE	10B-5
PUSH ON x FLANGED TEE	
FLG x PO GATE VALVE	10B-6



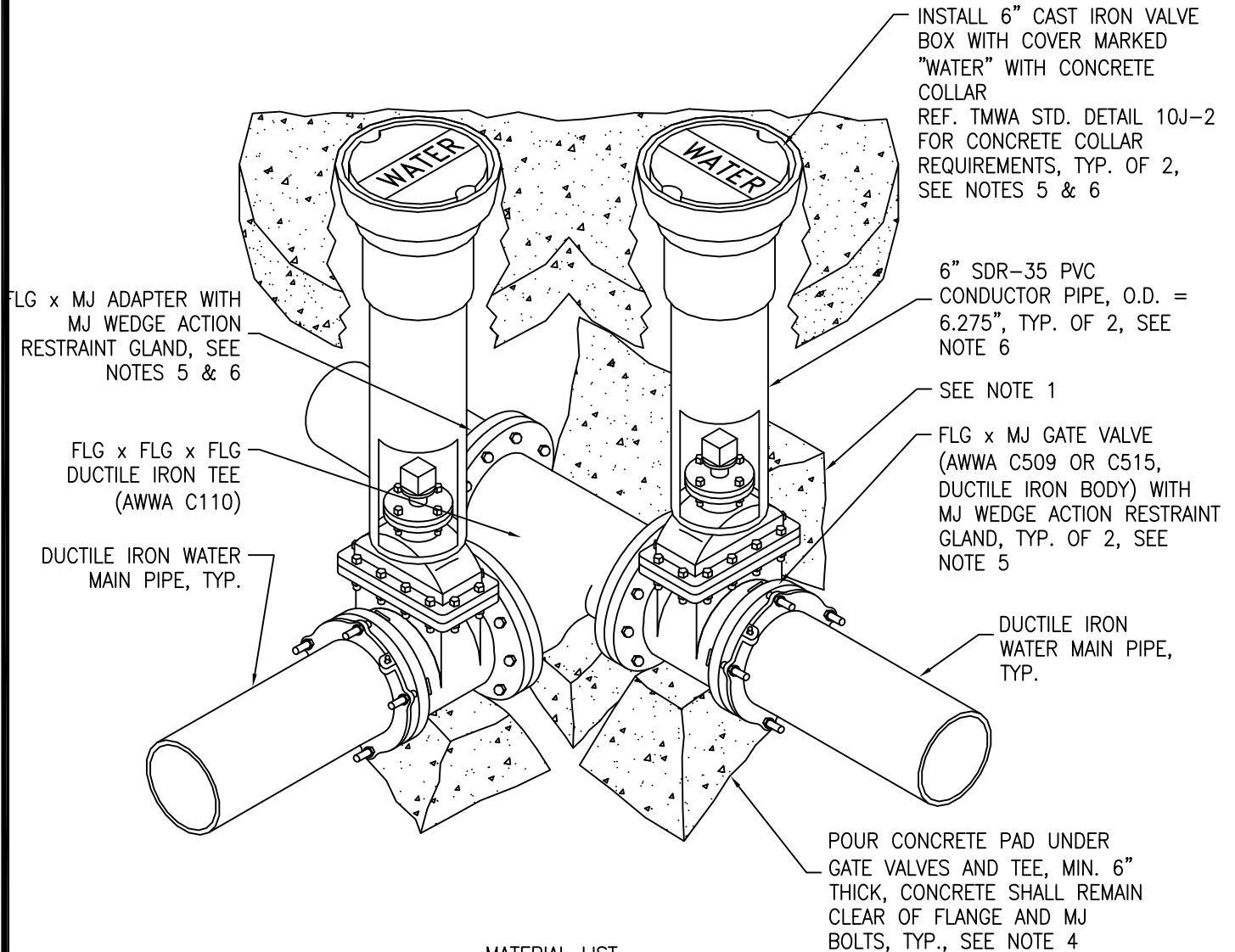
DATE
7/2001
REV
7/2011

APPENDIX 10B  
DISTRIBUTION BRANCH INSTALLATIONS  
INDEX

DRAWING NUMBER
10B-1

NOTES:

1. REFERENCE TMWA STANDARD DETAIL 10L-2 FOR THRUST BLOCK SIZING AND REQUIREMENTS.
2. ALL BOLTS AND EXPOSED METAL SHALL BE COATED WITH BRUSHED-ON MASTIC.
3. TEE, VALVES, FITTINGS, DUCTILE IRON PIPE AND OTHER METAL PARTS SHALL BE ENCASED WITH POLYETHYLENE WRAP PER AWWA C105.
4. CONCRETE FOR PADS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AFTER 28 DAYS. BAG CONCRETE MIX IS NOT ACCEPTABLE.
5. POSITION OF FLG x MJ VALVE (RUN) AND FLG x MJ ADAPTER MAY SWITCH, REFERENCE WATER IMPROVEMENT PLANS.
6. AN ADDITIONAL FLG x MJ VALVE MAY BE REQUIRED IN LIEU OF FLG x MJ ADAPTER, REF. WATER IMPROVEMENT PLANS.



MATERIAL LIST

QTY.	DESCRIPTION
1	FLG x FLG x FLG DUCTILE IRON TEE (AWWA C110)
2	FLG x MJ GATE VALVE WITH DUCTILE IRON BODY (AWWA C509 OR C515)
1	FLG x MJ ADAPTER
3	MJ WEDGE ACTION RESTRAINT GLAND
2	6" CAST IRON VALVE BOX WITH COVER MARKED "WATER"
2	6" SDR-35 PVC CONDUCTOR PIPE SECTION, O.D. = 6.275"
-	CONCRETE BULK - THRUST BLOCKS, PADS, COLLARS



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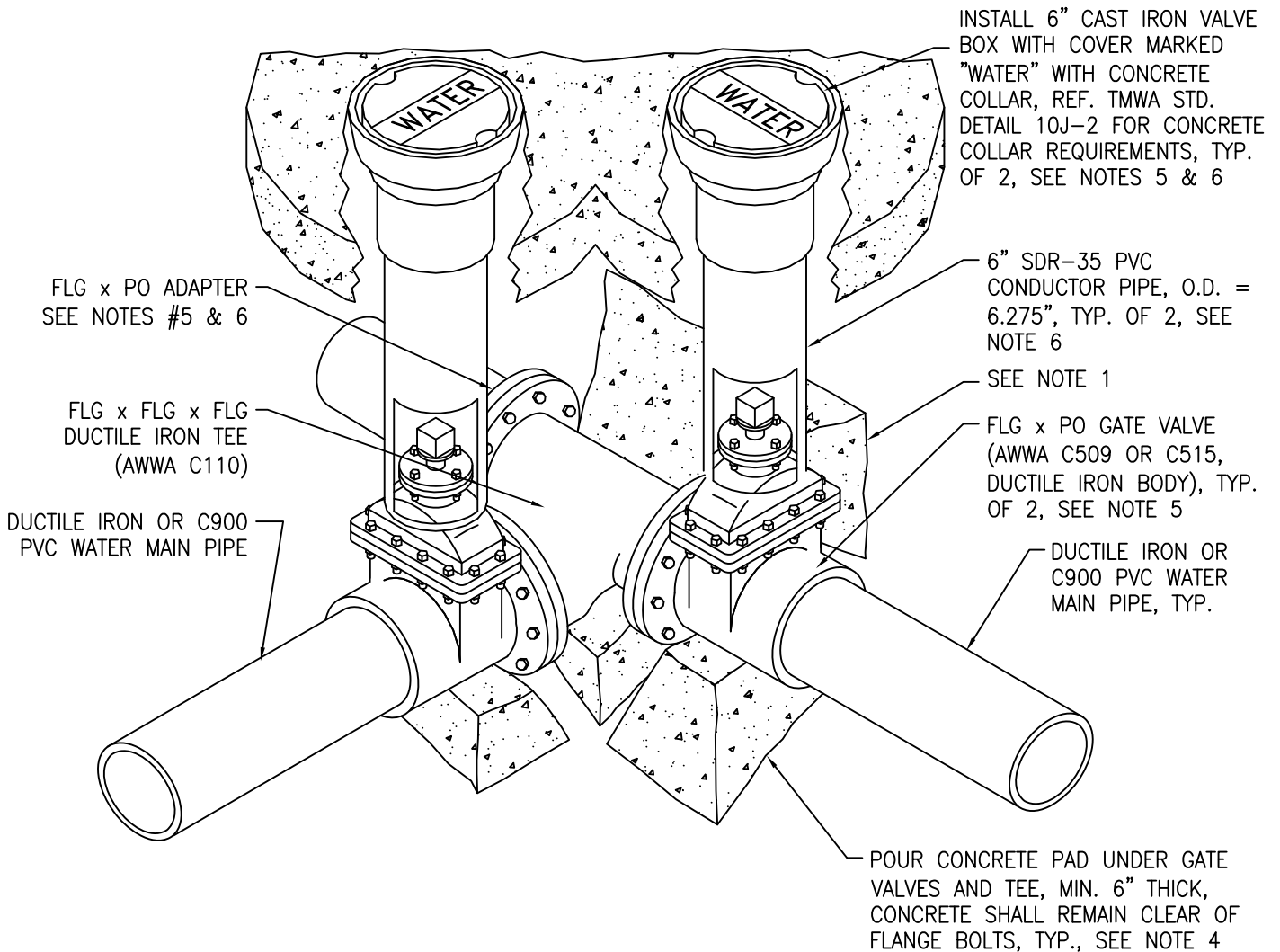
FLANGED TEES  
FLG x MJ GATE VALVES  
- RESTRAINED -

DRAWING NUMBER

10B-2

NOTES:

1. REFERENCE TMWA STANDARD DETAIL 10L-2 FOR THRUST BLOCK SIZING AND REQUIREMENTS.
2. ALL BOLTS AND EXPOSED METAL SHALL BE COATED WITH BRUSHED-ON MASTIC.
3. TEE, VALVES, FITTINGS, DUCTILE IRON PIPE AND OTHER METAL PARTS SHALL BE ENCASED WITH POLYETHYLENE WRAP PER AWWA C105.
4. CONCRETE FOR PADS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AFTER 28 DAYS. BAG CONCRETE MIX IS NOT ACCEPTABLE.
5. POSITION OF FLG x PO VALVE (RUN) AND FLG x PO ADAPTER MAY SWITCH, REFERENCE WATER IMPROVEMENT PLANS.
6. AN ADDITIONAL FLG x PO VALVE MAY BE REQUIRED IN LIEU OF FLG x PO ADAPTER, REF. WATER IMPROVEMENT PLANS.



MATERIAL LIST

QTY.	DESCRIPTION
1	FLG x FLG x FLG DUCTILE IRON TEE (AWWA C110)
2	FLG x PO GATE VALVE WITH DUCTILE IRON BODY (AWWA C509 OR C515)
1	FLG x PO ADAPTER
2	6" CAST IRON VALVE BOX WITH COVER MARKED "WATER"
2	6" SDR-35 PVC CONDUCTOR PIPE SECTION, O.D. = 6.275"
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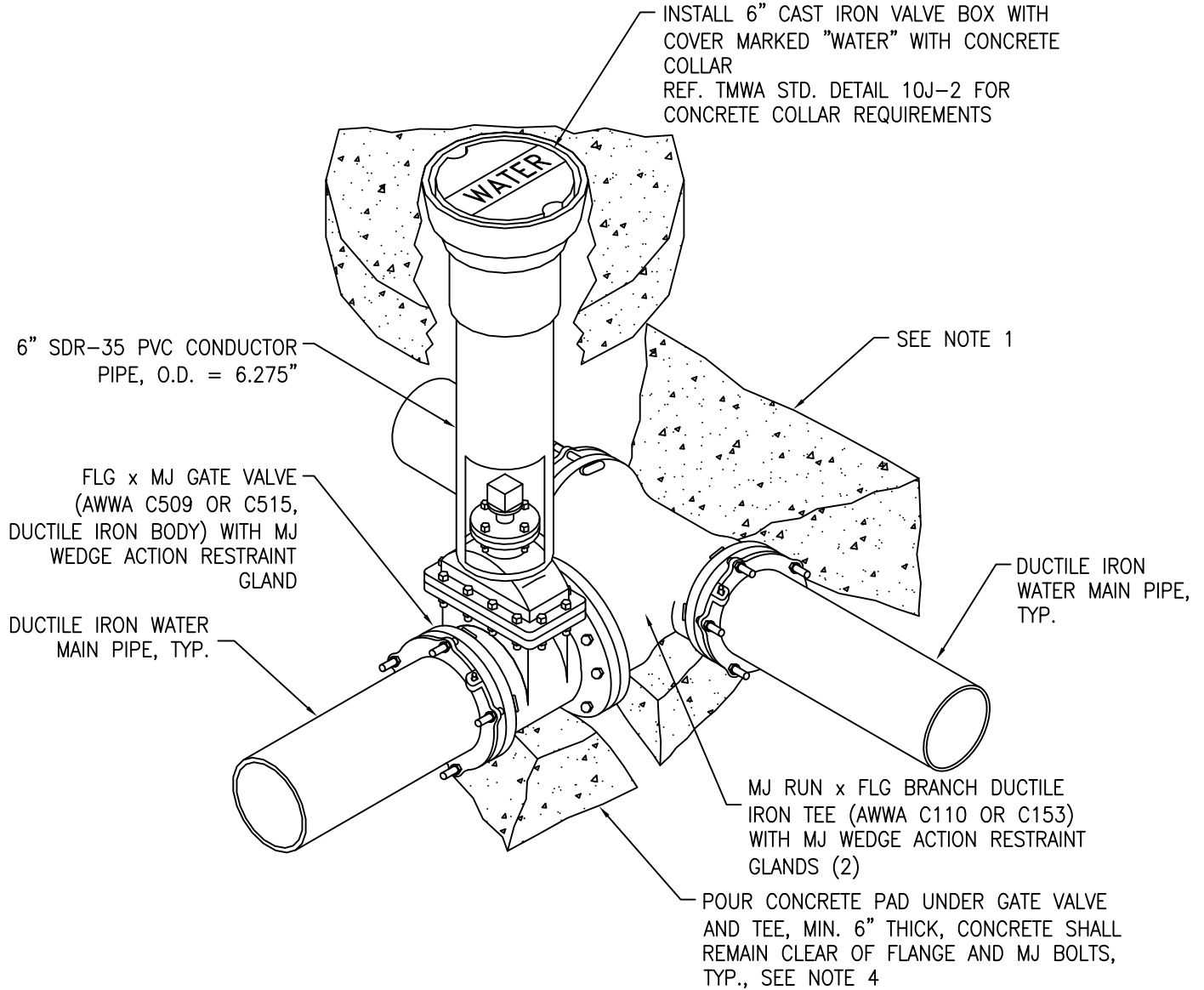
FLANGED TEES  
FLG x PO GATE VALVES

DRAWING NUMBER

10B-3

NOTES:

1. REFERENCE TMWA STANDARD DETAIL 10L-2 FOR THRUST BLOCK SIZING AND REQUIREMENTS.
2. ALL BOLTS AND EXPOSED METAL SHALL BE COATED WITH BRUSHED-ON MASTIC.
3. TEE, VALVES, FITTINGS, DUCTILE IRON PIPE AND OTHER METAL PARTS SHALL BE ENCASED WITH POLYETHYLENE WRAP PER AWWA C105.
4. CONCRETE FOR PADS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AFTER 28 DAYS. BAG CONCRETE MIX IS NOT ACCEPTABLE.



MATERIAL LIST

QTY.	DESCRIPTION
1	MJ RUN x FLG BRANCH DUCTILE IRON TEE (AWWA C110 OR C153)
1	FLG x MJ GATE VALVE WITH DUCTILE IRON BODY (AWWA C509 OR C515)
3	MJ WEDGE ACTION RESTRAINT GLAND
1	6" CAST IRON VALVE BOX WITH COVER MARKED "WATER"
1	6" SDR-35 PVC CONDUCTOR PIPE SECTION, O.D. = 6.275"
-	CONCRETE BULK - THRUST BLOCKS, PADS, COLLARS



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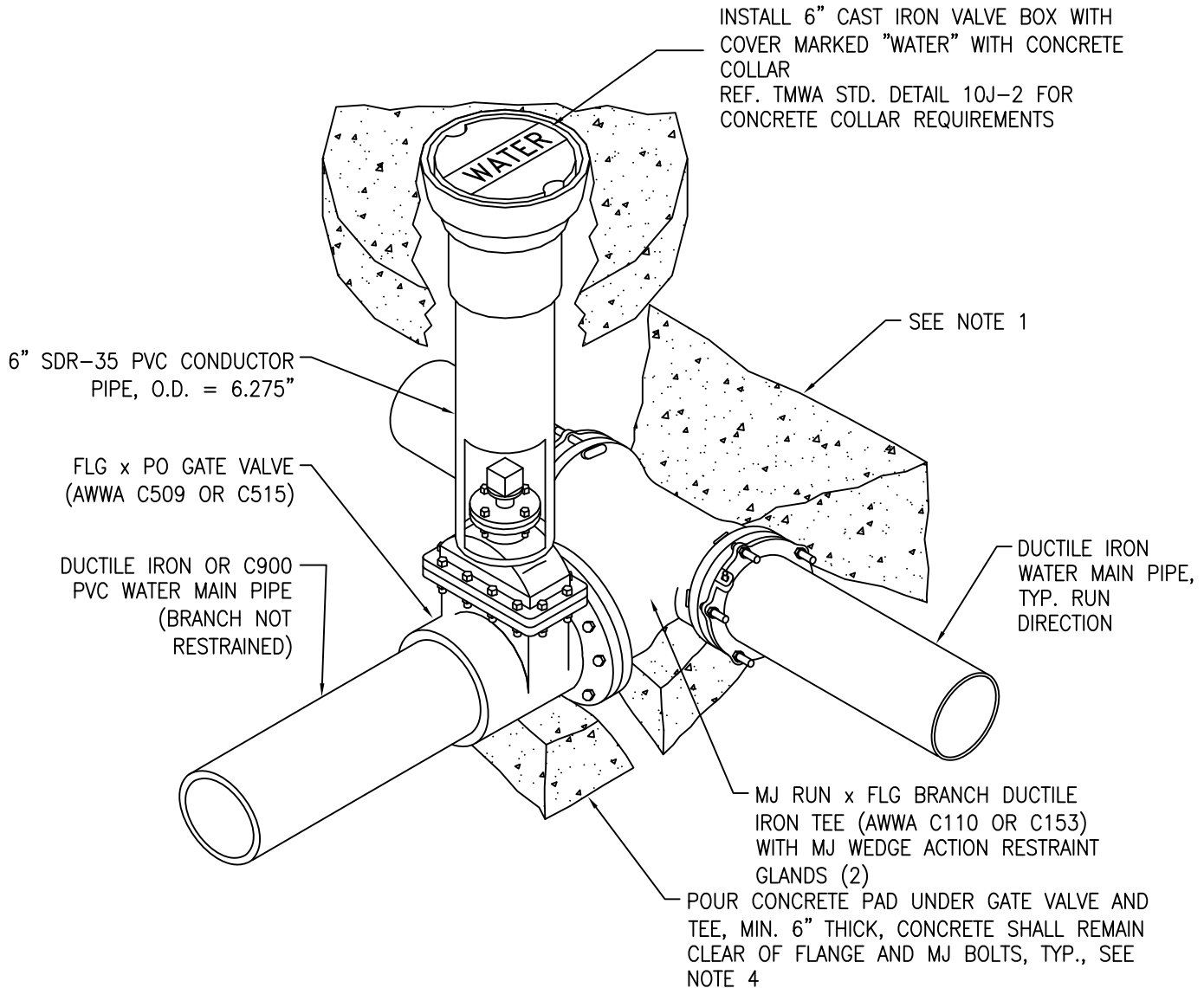
MECHANICAL JOINT x FLANGED TEES  
FLG x MJ GATE VALVE  
- RESTRAINED -

DRAWING NUMBER

10B-4

NOTES:

1. REFERENCE TMWA STANDARD DETAIL 10L-2 FOR THRUST BLOCK SIZING AND REQUIREMENTS.
2. ALL BOLTS AND EXPOSED METAL SHALL BE COATED WITH BRUSHED-ON MASTIC.
3. TEE, VALVES, FITTINGS, DUCTILE IRON PIPE AND OTHER METAL PARTS SHALL BE ENCASED WITH POLYETHYLENE WRAP PER AWWA C105.
4. CONCRETE FOR PADS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AFTER 28 DAYS. BAG CONCRETE MIX IS NOT ACCEPTABLE.



MATERIAL LIST

QTY.	DESCRIPTION
1	MJ RUN x FLG BRANCH DUCTILE IRON TEE (AWWA C110 OR C153)
1	FLG x PO GATE VALVE WITH DUCTILE IRON BODY (AWWA C509 OR C515)
2	MJ WEDGE ACTION RESTRAINT GLAND
1	6" CAST IRON VALVE BOX WITH COVER MARKED "WATER"
1	6" SDR-35 PVC CONDUCTOR PIPE SECTION, O.D. = 6.275"
-	CONCRETE BULK - THRUST BLOCKS, PADS, COLLARS



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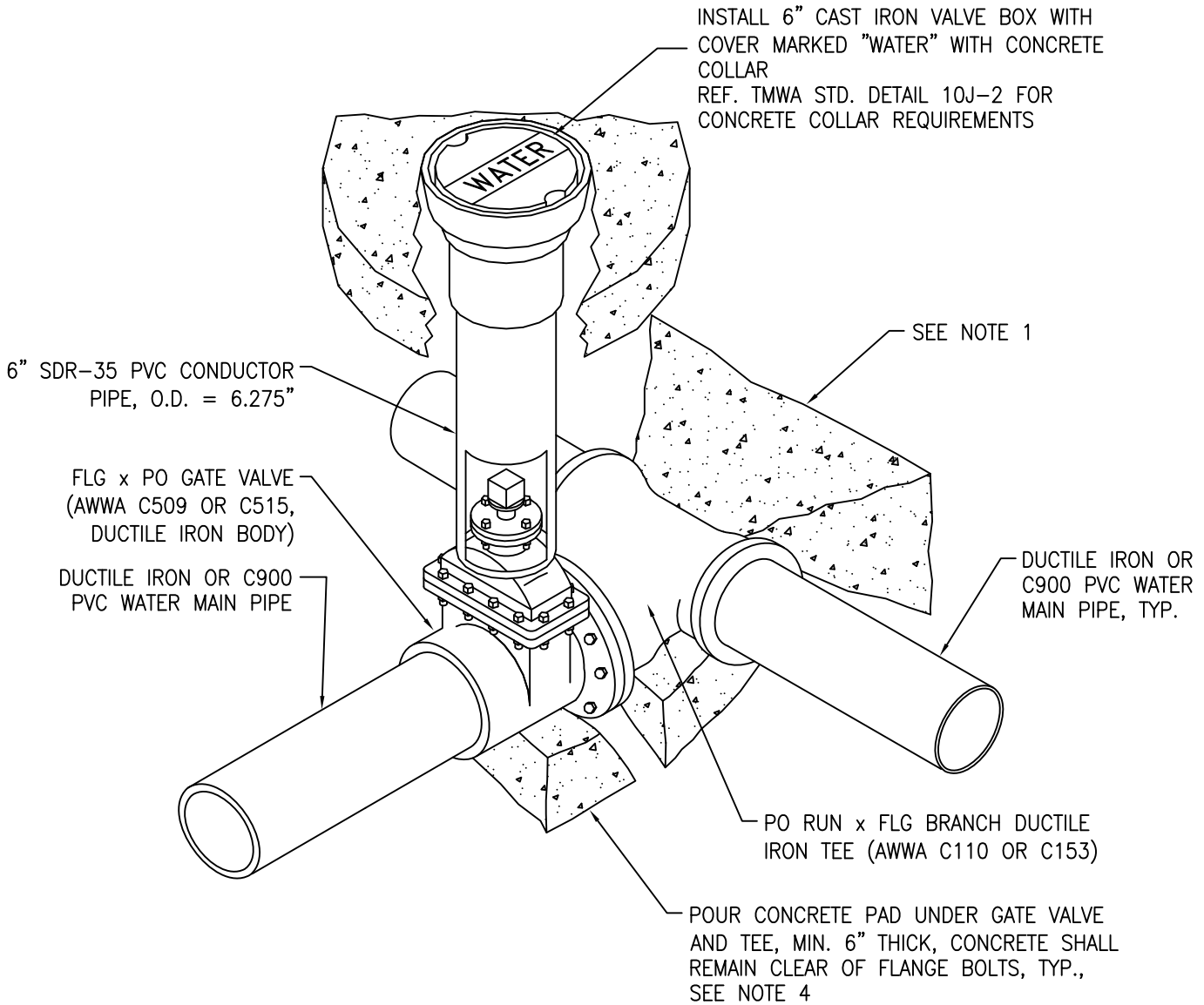
MECHANICAL JOINT x FLANGED TEES  
FLG x PO GATE VALVE

DRAWING NUMBER

10B-5

NOTES:

1. REFERENCE TMWA STANDARD DETAIL 10L-2 FOR THRUST BLOCK SIZING AND REQUIREMENTS.
2. ALL BOLTS AND EXPOSED METAL SHALL BE COATED WITH BRUSHED-ON MASTIC.
3. TEE, VALVES, FITTINGS, DUCTILE IRON PIPE AND OTHER METAL PARTS SHALL BE ENCASED WITH POLYETHYLENE WRAP PER AWWA C105.
4. CONCRETE FOR PADS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AFTER 28 DAYS. BAG CONCRETE MIX IS NOT ACCEPTABLE.



MATERIAL LIST

QTY.	DESCRIPTION
1	PO RUN x FLG BRANCH DUCTILE IRON TEE (AWWA C110 OR C153)
1	FLG x PO GATE VALVE WITH DUCTILE IRON BODY (AWWA C509 OR C515)
1	6" CAST IRON VALVE BOX WITH COVER MARKED "WATER"
1	6" SDR-35 PVC CONDUCTOR PIPE SECTION, O.D. = 6.275"
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PUSH ON x FLANGED TEE  
FLG x PO GATE VALVE

DRAWING NUMBER

10B-6