


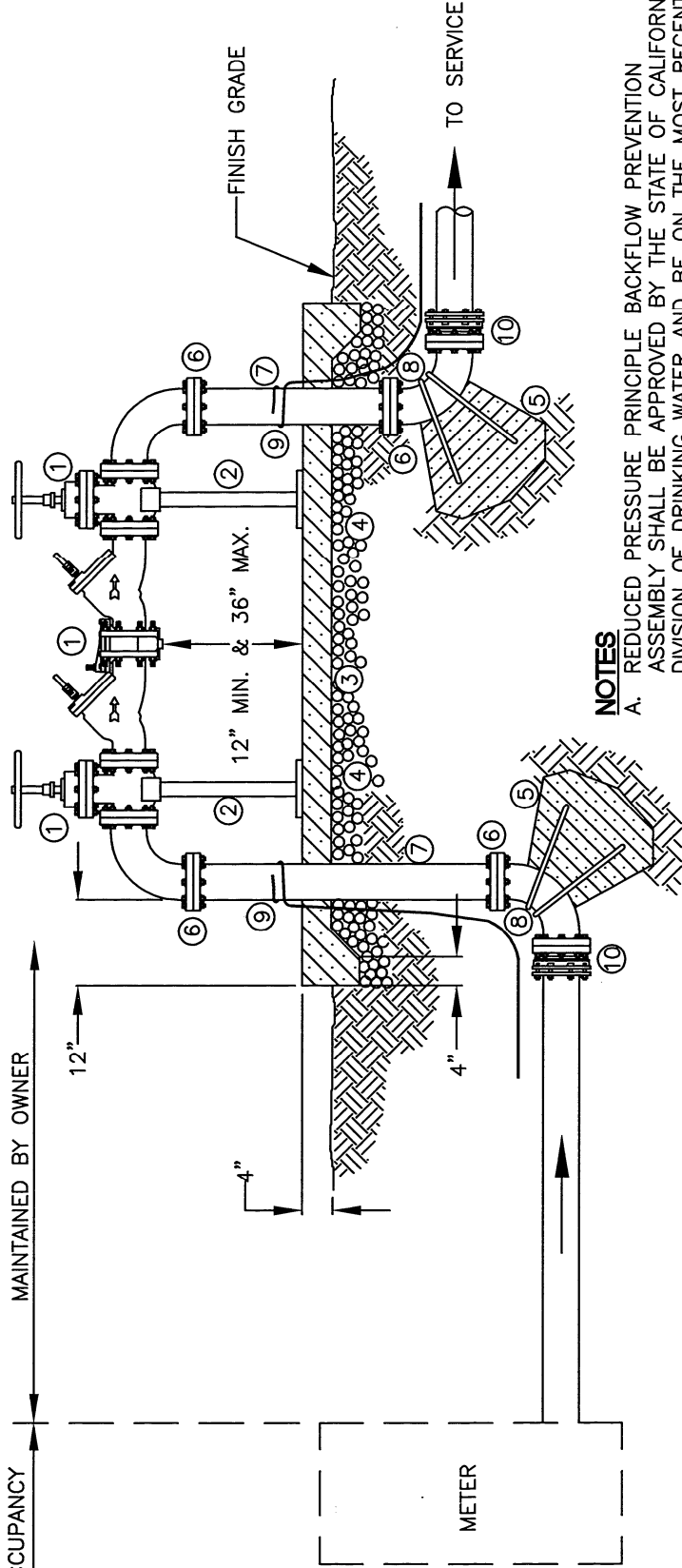
NOTES:

- A. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL BE APPROVED BY THE STATE OF CALIFORNIA DIVISION OF DRINKING WATER AND BE ON THE MOST RECENT LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES. (www.emd.sacounty.net/EC/Pages/CrossConnection.aspx) (www.waterboards.ca.gov/drinking_water/certific/drinkingwater/Publications.shtml) (www.usc.edu/dept/fccchr/list.html)
- B. ALL PIPE SHALL BE GALVANIZED SCHEDULE 40 STEEL, TYPE K COPPER, OR BRASS. BURIED METAL SHALL BE ENCASED WITH 8 MIL POLYETHYLENE WRAP OR 10 MIL POLYETHYLENE TAPE SO THAT NO SOIL IS IN CONTACT WITH METAL.
- C. GALVANIZED PIPE SHALL HAVE ANODE BAG PER COUNTY CODE SECTION 16.24.100. INSTALL DIELECTRIC COUPLING OR FITTING BETWEEN DISSIMILAR METALS.

- ① REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY, WITH 2 BRONZE RESILIENT SEATED BALL VALVES MINIMUM WORKING PRESSURE 175 PSI.
- ② 3" SLAB - 18" WIDE WITH VARYING LENGTH
- ③ 1/2" OR 3/4" CRUSHED ROCK, 4" MINIMUM THICKNESS, MECHANICALLY COMPACTED TO 95% COMPACTION.

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| SACRAMENTO COUNTY MUNICIPAL SERVICES AGENCY | SCALE: NONE DATE: 11/15 |
| REDUCED PRESSURE BACKFLOW PREVENTER 1" TO 2" | |
|  | |
| DIRECTOR, DEPARTMENT OF WATER RESOURCES | |
| 8-8A | |

MAINTAINED BY WATER UTILITY
AFTER OCCUPANCY



- ① REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY, WITH 2 RESILIENT WEDGE GATE VALVES, FLANGED, WITH HANDWHEEL OPERATORS.
- ② PIPE SUPPORT, MIN. 2" GALVANIZED SCH 40.
- ③ 4" CONCRETE SLAB - 24" WIDE WITH VARYING LENGTH.
- ④ 6" CRUSHED AGGREGATE COMPACTED TO 95% COMPACTION
- ⑤ THRUST BLOCK (PER DWG. 8-3A) WITH #5 REBARS. WRAP THE PORTION OF THE REBAR NOT EMBEDDED IN CONCRETE WITH 20 MIL POLYETHYLENE TAPE.
- ⑥ FLANGE CONNECTION ONLY.
- ⑦ FLANGE X FLANGE SPOOL, DUCTILE IRON. WRAP WITH 2 LAYERS 20 MIL TAPE AT SLAB PENETRATION
- ⑧ FLANGE X FLANGE 90° ELBOW, DUCTILE IRON.
- ⑨ LOCATING WIRE PER DWG. 8-4A. LOOP WIRE AROUND PIPE AT TOP OF SLAB.
- ⑩ FLANGE X MJ ADAPTER, RESTRAINED.

NOTES

- A. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL BE APPROVED BY THE STATE OF CALIFORNIA DIVISION OF DRINKING WATER AND BE ON THE MOST RECENT LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES. (www.emd.saccounty.net/EC/Pages/CrossConnection.aspx) (www.waterboards.ca.gov/drinking_water/certific/drinkingwater/Publications.shtml) (www.usc.edu/dept/fccchr/list.html)
- B. PIPE SHALL BE DUCTILE IRON. FLANGES SHALL BE CLASS D.
- C. ALL BURIED METAL SHALL BE ENCASED WITH 8 MIL. POLYETHYLENE SO THAT NO SOIL IS IN CONTACT WITH METAL.

SACRAMENTO COUNTY
MUNICIPAL SERVICES AGENCY

**REDUCED PRESSURE BACKFLOW
PREVENTER 3" AND LARGER**

SCALE: NONE
DATE: 11/15

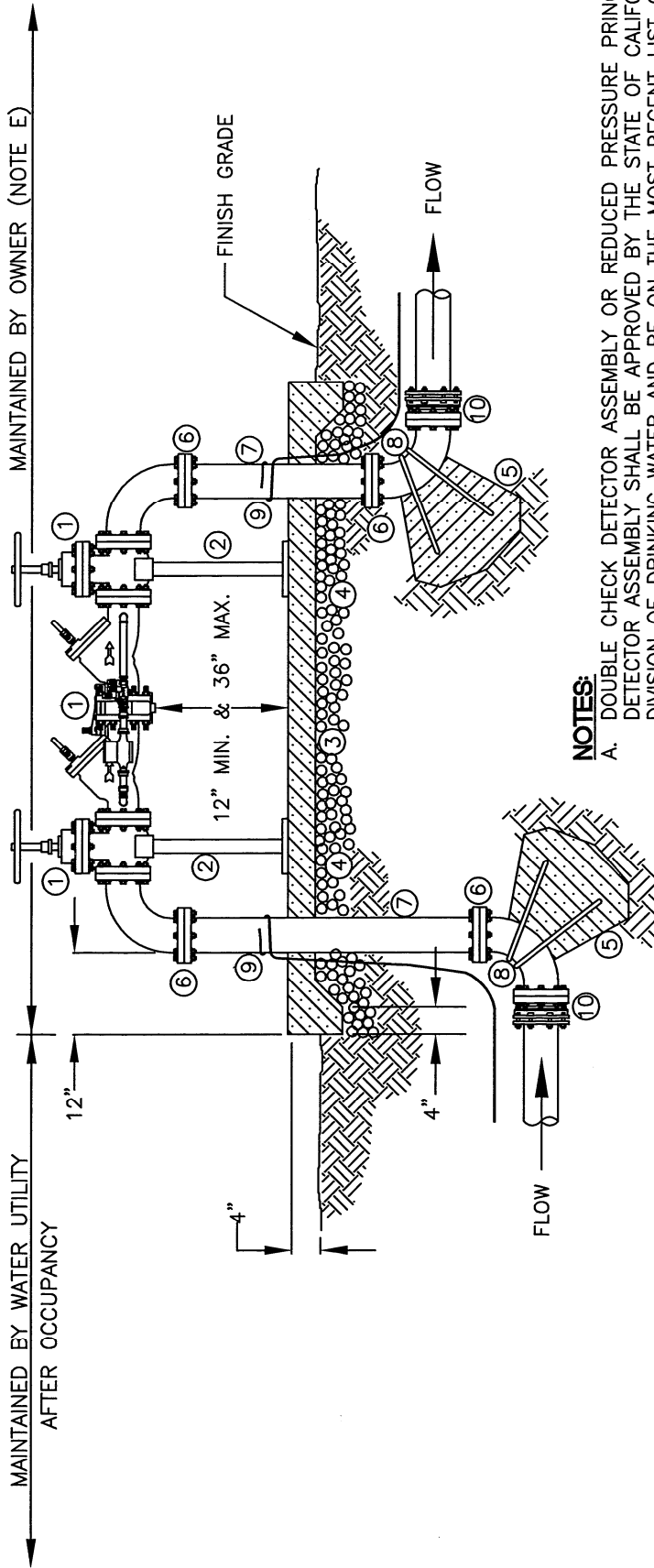
8-8B

DIRECTOR, DEPARTMENT OF WATER RESOURCES

Michael J. ...

MAINTAINED BY WATER UTILITY
AFTER OCCUPANCY

MAINTAINED BY OWNER (NOTE E)



NOTES:

- A. DOUBLE CHECK DETECTOR ASSEMBLY OR REDUCED PRESSURE PRINCIPLE DETECTOR ASSEMBLY SHALL BE APPROVED BY THE STATE OF CALIFORNIA DIVISION OF DRINKING WATER AND BE ON THE MOST RECENT LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
(www.emd.saccounty.net/EC/Pages/CrossConnection.aspx)
(www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Publications.shtm)
- B. PIPE SUPPORT, MIN. 2" GALVANIZED SCH 40.
(www.usc.edu/dept/fccchr/list.html)
- C. 4" CONCRETE SLAB - 24" WIDE WITH VARYING LENGTH.
PIPE SHALL BE DUCTILE IRON. FLANGES SHALL BE CLASS D.
ALL BURIED METAL SHALL BE ENCASED WITH 8 MIL. POLYETHYLENE SO THAT NO SOIL IS IN CONTACT WITH METAL.
- D. 6" CRUSHED AGGREGATE COMPACTED TO 95% COMPACTION
PROVIDE TAMPER SWITCHES AND CHAIN LOCK IF REQUIRED BY FIRE DEPARTMENT.
- E. THRUST BLOCK (PER DWG. 8-3A) WITH #5 REBARS. WRAP THE PORTION OF THE REBAR NOT EMBEDDED IN CONCRETE WITH 20 MIL POLYETHYLENE TAPE.
BYPASS DETECTOR ASSEMBLY SHALL BE MAINTAINED IN OPERABLE CONDITION AT ALL TIMES BY OWNER.

- ① DOUBLE CHECK DETECTOR ASSEMBLY OR RP PRINCIPLE DETECTOR ASSEMBLY. TYPE AS CALLED OUT ON PLANS, WITH 2 RESILIENT WEDGE GATE VALVES, FLANGED, WITH HANDWHEEL OPERATORS.
- ② PIPE SUPPORT, MIN. 2" GALVANIZED SCH 40.
- ③ 4" CONCRETE SLAB - 24" WIDE WITH VARYING LENGTH.
- ④ 6" CRUSHED AGGREGATE COMPACTED TO 95% COMPACTION
- ⑤ THRUST BLOCK (PER DWG. 8-3A) WITH #5 REBARS. WRAP THE PORTION OF THE REBAR NOT EMBEDDED IN CONCRETE WITH 20 MIL POLYETHYLENE TAPE.
- ⑥ FLANGE CONNECTION ONLY.
- ⑦ FLANGE X FLANGE SPOOL, DUCTILE IRON. WRAP WITH 2 LAYERS 20 MIL TAPE AT SLAB PENETRATION.
- ⑧ FLANGE X FLANGE 90° ELBOW, DUCTILE IRON.
- ⑨ LOCATING WIRE PER DWG. 8-4A. LOOP WIRE AROUND PIPE AT TOP OF SLAB.
- ⑩ FLANGE X MJ ADAPTER, RESTRAINED.

SACRAMENTO COUNTY
MUNICIPAL SERVICES AGENCY

**DOUBLE CHECK DETECTOR
OR RP PRINCIPLE DETECTOR
6" AND LARGER**

DIRECTOR, DEPARTMENT OF WATER RESOURCES
SCALE: NONE
DATE: 11/15

8-8C