

# PIV AND/OR FDC APART FROM RPDA

**NOTES:**

- POST INDICATOR VALVE POST AND ASSEMBLY SHALL BE PLUMB.
- BOLT TORQUE ON ALL FITTINGS SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS.
- CONTACT CITRUS HEIGHTS WATER DISTRICT FOR REBAR INSPECTION PRIOR TO POURING CONCRETE. (916) 725-6873
- MATERIAL BELOW AGGREGATE BASE SHALL BE COMPACTED TO 90% MINIMUM.
- REINFORCED CONCRETE PAD SHALL BE FINISHED WITH AN EDGING TOOL AROUND THE ENTIRE PERIMETER AND BROOMED AT RIGHT ANGLES TO THE DIRECTION OF TRAVEL.
- INSTALL TAMPER SWITCHES ON BOTH OS&Y VALVES AND PIV WITH CONDUIT THROUGH CONCRETE PAD PER SACRAMENTO METRO FIRE DISTRICT STANDARD.
- PAINT FIRE SPRINKLER CONNECTION USING A MANUFACTURER'S RECOMMENDED PRIMER, FINISH WITH RUSTOLEUM GLOSS WHITE, TWO COATS MINIMUM. PRIOR TO PAINTING, CLEAN ALL SURFACES WITH SOAP AND WATER USING AN ABRASIVE PAD.
- RPDA SHALL BE TESTED BY A CHWD CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTER PRIOR TO DISTRICT ACCEPTANCE OF FACILITIES.
- RPDA SHALL BE APPROVED BY THE FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH AT THE UNIVERSITY OF SOUTHERN CALIFORNIA.

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|----|---|----|--|
| 1  | POST INDICATOR VALVE & DIP POST (PIV) - FLANGE x MECHANICAL JOINT RESILIENT WEDGE - W/ BREAKABLE SHACKLE LOCK   | 17 | 4" x 18" GALVANIZED NIPPLE   |
|    |   | 18 | 4" GALVANIZED CAP  |
| 2  | TAMPER SWITCH AND CONDUIT - OWNED AND MAINTAINED BY CUSTOMER  | 19 | REINFORCED CONCRETE PAD - 4" THICK x 36" WIDE, TYPE II SIX-SACK PORTLAND CEMENT                                  |
| 3  | 90° ELBOW - DUCTILE IRON, MECHANICAL JOINT x MECHANICAL JOINT   |    |  |
| 4  | DUCTILE IRON PIPE - FLANGE x PLAIN END, CL53  | 20 | 3/4" CLASS II AGGREGATE BASE - 2" MINIMUM, MECHANICALLY COMPACTED TO 90%   |
| 5  | 90° ELBOW - DUCTILE IRON, FLANGE x FLANGE   |    |  |
| 6  | REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) WITH BRASS PLUGS INSTALLED IN ALL TEST COCKS - SHALL INCLUDE 3/4" BYPASS LESS METER (5/8" x 3/4" NEPTUNE WATER METER BY DISTRICT). WILKINS 375ADA W/OS&Y VALVES OR EQUAL. | 21 | CONCRETE DOBIE W/ WIRE   |
|    |   | 22 | 3/8" (#3) REBAR - 2" INSIDE PERIMETER  |
|    |   | 23 | ASPHALT SATURATED ORGANIC FELT - (ROOFING PAPER) ASTM 30, 2 LAYERS AROUND PIPE                                   |
| 7  | TEE OR 90° ELBOW - DUCTILE IRON, MECHANICAL JOINT x MECHANICAL JOINT  | 24 | SUPPORT STAND - PLACER WATER WORKS OR EQUAL, STANDARD SADDLE HEIGHT DETERMINED IN FIELD                          |
| 8  | COMPANION FLANGE - FLANGE x 4" FIP  |    |  |
| 9  | 4" GALVANIZED NIPPLE (ADJUST LENGTH TO ACHIEVE 36" HEIGHT)  | 25 | WEATHER FREEZE BAG W/ LOCK - POLAR BAG W/ CALLIOPPE FABRIC (8-YEAR WARRANTY). CONTACT ROSEVILLE AUTO UPHOLSTERY. |
| 10 | 4" QUICK CHECK VALVE - FM-UL APPROVED   | 26 | CONCRETE BRICK - 2 1/4" x 3 3/4" x 7 1/2"  |
| 11 | 4" x 4" GALVANIZED NIPPLE   | 27 | CONCRETE THRUST BLOCK - SEE DETAIL TB_001  |
| 12 | 4" GALVANIZED 90° ELBOW   | 28 | CONCRETE THRUST BLOCK - SEE DETAIL TB_001  |
| 13 | 4" GALVANIZED TEE   | 29 | #10 INSULATED COPPER LOCATOR WIRE W/ HOSE CLAMP 6" ABOVE CONCRETE PAD  |
| 14 | 4" x CLOSE GALVANIZED NIPPLE  | 30 | 3/8" NON-CASE HARDENED CHAIN AND BREAKABLE SHACKLE LOCK  |
| 15 | 4" GALVANIZED 45° ELBOW   |    |  |
| 16 | 4" x 2 @ 2 1/2" FIRE DEPARTMENT CONNECTION (FDC) W/ METALLIC BREAKABLE CAPS. PAINT WHITE.   |    |  |



**CITRUS  
HEIGHTS  
WATER  
DISTRICT**

## 4", 6", 8" FIRE SPRINKLER CONNECTION

**CITRUS HEIGHTS WATER DISTRICT**

APPROVED BY:

*Robert A. Churchill*

DATE: 12/4/14

CITRUS HEIGHTS WATER DISTRICT

DRAWN: 3 DEC 2014

REVISED:

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DETAIL FOR CONSTRUCTION IN:  
**SACRAMENTO METRO FIRE DISTRICT**