

PIV AND FDC ABUTTED TO 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 STANDARDS.
- 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 | 18 | 4' x 2 @ 2 1/2" FIRE DEPARTMENT CONNECTION (FDC) W/ METALLIC BREAKABLE CAPS. PAINT WHITE. |
| 2 | TAMPER SWITCH AND CONDUIT - OWNED AND MAINTAINED BY CUSTOMER | 19 | 4' x 18" GALVANIZED NIPPLE |
| 3 | 6' LONG FLANGED SPOOL | 20 | 4' GALVANIZED CAP |
| 4 | 90° ELBOW - DUCTILE IRON, FLANGE x MECHANICAL JOINT | 21 | REINFORCED CONCRETE PAD - 4' THICK x 36' WIDE, TYPE II SIX-SACK PORTLAND CEMENT |
| 5 | DUCTILE IRON PIPE - FLANGE x PLAIN END, CL53 | | |
| 6 | 90° ELBOW - DUCTILE IRON, FLANGE x FLANGE | 22 | 3/4" CLASS 2 AGGREGATE BASE - 2" MINIMUM, MECHANICALLY COMPACTED TO 90% |
| 7 | 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. | 23 | CONCRETE DOBIE W/ WIRE |
| | | 24 | 3/8" (#3) REBAR - 2" INSIDE PERIMETER |
| | | 25 | ASPHALT SATURATED ORGANIC FELT - (ROOFING PAPER) ASTM 30, 2 LAYERS AROUND PIPE |
| 8 | TEE - DUCTILE IRON, ALL FLANGED | 26 | SUPPORT STAND - PLACER WATER WORKS OR EQUAL, STANDARD SADDLE HEIGHT DETERMINED IN FIELD |
| 9 | 90° ELBOW - DUCTILE IRON, MECHANICAL JOINT x MECHANICAL JOINT | | |
| 10 | COMPANION FLANGE - DUCTILE IRON, FLANGE x 4' FIP | | |
| 11 | 4' GALVANIZED NIPPLE (ADJUST LENGTH TO ACHIEVE 36' HEIGHT) | 27 | WEATHER FREEZE BAG W/ LOCK - POLAR BAG W/ CALLIOPE FABRIC (8-YEAR WARRANTY). CONTACT ROSEVILLE AUTO UPHOLSTERY. |
| 12 | 4' QUICK CHECK VALVE - FM-UL APPROVED | 28 | CONCRETE BRICK - 2 1/4" x 3 3/4" x 7 1/2" |
| 13 | 4' GALVANIZED 90° ELBOW | 29 | CONCRETE THRUST BLOCK - SEE DETAIL TB_001 |
| 14 | 4' x 4' GALVANIZED NIPPLE | 30 | #10 INSULATED COPPER LOCATOR WIRE W/ HOSE CLAMP 6' ABOVE CONCRETE PAD |
| 15 | 4' GALVANIZED TEE | 31 | 3/8" NON-CASE HARDENED CHAIN AND BREAKABLE SHACKLE LOCK |
| 16 | 4' x CLOSE GALVANIZED NIPPLE | | |
| 17 | 4' GALVANIZED 45° ELBOW | | |



**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

DETAIL FOR CONSTRUCTION IN:
SACRAMENTO METRO FIRE DISTRICT

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|------------------------|
| DRAWN: 3 DEC 2014 |
| REVISED: |
| SCALE: N.T.S. |
| DESIGN: P.A.D. |
| CAD FILE: FP_650_1.DWG |
| PAGE: FP_650_1 |