

**IRRIGATION CONTROL WIRE NOTES:**

U.F. TYPE, U.L. APPROVED, AWG MINIMUM NUMBER 12 SOLID STRAND COPPER WIRE WITH MINIMUM 4/64" PVC COATING, 600 VOLT, 75 C., SUITABLE FOR DIRECT BURIAL. 'COMMON' WIRE TO BE WHITE COATED, U.F. TYPE, U.L. APPROVED, AWG NUMBER 12 SOLID STRAND COPPER WIRE WITH MINIMUM 4/64" PVC COATING, 600 VOLT, 75 C., SUITABLE FOR DIRECT BURIAL. WHERE WIRE RUNS EXCEED 1000' FEET, THE 'COMMON' WIRE SHALL BE AWG NUMBER 10 SOLID STRAND COPPER WIRE WITH MINIMUM 4/64" PVC COATING, 600 VOLT, 75 C., SUITABLE FOR DIRECT BURIAL. AN EXTRA CONTROL WIRE (MINIMUM OF ONE) SHALL BE INSTALLED FOR EVERY SIX (6) REMOTE CONTROL VALVES TO THE END OF THE MAINLINE. ONE EXTRA (1) COMMON WIRE (GREEN) SHALL BE RUN FROM EACH CONTROLLER(S) TO THE END OF THE MAINLINE. EACH EXTRA WIRE SHALL BE FROM THE CONTROLLER(S), EXTENDING TO THE LAST VALVE OR END OF MAINLINE AND LOOPED INTO EACH VALVE BOX.

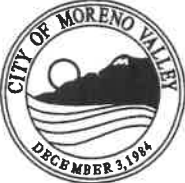



EACH MASTER VALVES, FLOW METER, ET GAUGE, TIPPING BUCKET AND WIND SENSOR SHALL HAVE WIRING ENCASED IN CONDUIT, FROM THE CONTROLLER TO THE VALVE OR METER. THE IRRIGATION WIRE IS TO BE LOCATED DIRECTLY TO THE SIDE OF THE MAINLINE AND TAPED AT INTERVALS OF 8'. WHERE ADDITIONAL (FUTURE) WIRE QUANTITIES ON THE PLAN CONFLICT WITH THESE SPECIFICATIONS, THE GREATER AMOUNT WILL PREVAIL. WIRE COLORS SHALL BE AS LISTED BELOW:

**CONTROLLER 'A', 'B', AND 'C':**

- a. 'A' PILOT = BLACK
- b. 'B' PILOT = GREEN
- c. 'C' PILOT = RED
- d. 'A' COMMON = WHITE WITH BLACK STRIPE
- e. 'B' COMMON = WHITE WITH GREEN STRIPE
- f. 'C' COMMON = WHITE WITH RED STRIPE
- g. 'A' PILOT SPARE = BLACK WITH YELLOW STRIPE
- h. 'B' PILOT SPARE = GREEN WITH YELLOW STRIPE
- i. 'C' PILOT SPARE = RED WITH YELLOW STRIPE
- j. 'A' COMMON SPARE = ORANGE WITH BLACK STRIPE
- k. 'B' COMMON SPARE = ORANGE WITH GREEN STRIPE
- l. 'C' COMMON SPARE = ORANGE WITH RED STRIPE

MASTER VALVE #1 = PURPLE  
 MASTER VALVE #2 = GRAY  
 FLOW SENSOR #1 = BLUE  
 FLOW SENSOR #2 = PINK  
 FERTILIZER INJECTOR = TAN  
 PUMP RELAY = YELLOW

NOT TO SCALE

	RECOMMENDED:  DIVISION MANAGER	 DATE	<h2 style="margin: 0;">CITY OF MORENO VALLEY</h2> <p style="margin: 0;">PARKS AND COMMUNITY SERVICES DEPARTMENT</p>
	APPROVED:  PUBLIC WORKS DIRECTOR / CITY ENGINEER	 DATE	<h3 style="margin: 0;">IRRIGATION CONTROL WIRE NOTES</h3>