



CONSTRUCTION NOTES:

NOT TO SCALE

- ① STAINLESS STEEL ENCLOSURE PER PUBLIC WORKS STDS., MODEL SIZE TO FIT CONTROLLER, WITH SERVICE ADDRESS STENCILED ON LOCKING HINGED DOOR. SECURELY ANCHOR ENCLOSURE TO CONCRETE PAD.
- ② WEATHER PROOF AUTOMATIC IRRIGATION CONTROLLER PER PUBLIC WORKS STDS., SECURELY WALL MOUNTED TO ENCLOSURE.
- ③ SQUARE D BREAKER BOX MODEL Q02-4L70S, OR APPROVED EQUAL WITH SINGLE 15 AMP BREAKER. MAKE 120 V POWER AND GROUND CONNECTION AT BREAKER BOX. MOUNT IN ENCLOSURE.
- ④ 3 - #8 CU COPPER WIRES IN MIN. 2" SCH 40 PVC CONDUIT FROM CONTROLLER TO POWER SOURCE. BOND SERVICE TO BREAKER BOX.
- ⑤ #8 CU COPPER WIRE AND 5/8" BY 8' LONG DRIVEN COPPER GROUNDING ROD WITHIN ENCLOSURE. DRIVE ROD PRIOR TO INSTALLATION OF ENCLOSURE.
- ⑥ CONCRETE PAD, EXTEND SUFFICIENT DISTANCE IN FRONT OF ENCLOSURE TO ALLOW UNOBSTRUCTED AREA FOR DOOR SWING FREE OF PLANTINGS, 6" MIN. BEYOND ENCLOSURE ON ALL SIDES.
- ⑦ LOW VOLTAGE DIRECT BURIAL WIRES TO CONTROL VALVES.
- ⑧ 90 DEGREE WRAPPED HDG SWEEP ELL, SIZED TO FIT WIRE FOR NUMBER OF STATIONS ON THE CONTROLLER, PLUS SPARES AND COMMON.
- ⑨ THREE FOOT EXPANSION LOOP OF CONTROL WIRE, NEATLY LACED WITH ZIP-LOCKS. MAKE CONNECTIONS DIRECTLY TO IRRIGATION CONTROLLER TERMINALS FOR 12 STATION & SMALLER. USE TERMINAL STRIPS FOR CONTROLLERS LARGER THAN 12 STATIONS.
- ⑩ PROVIDE INSULATING ELECTRICAL BUSHINGS AT CONTROLLER AND END OF CONDUITS.
- ⑪ RAIN GAGE INSTALLED IN PROTECTIVE COVER ON CONTROLLER OR MOUNTED ON 12' POLE PER PLANS. PROTECT FROM SPRINKLER OVER SPRAY.

Approved	Date
P.V.	5/27/08
Revised	Date

<b>Public Works Department, Forestry and Landscape Division</b>
<b>CITY OF RIVERSIDE</b>
<b>NON-CALSENSE IRRIGATION CONTROLLER</b>

Detail No.
<b>2017</b>