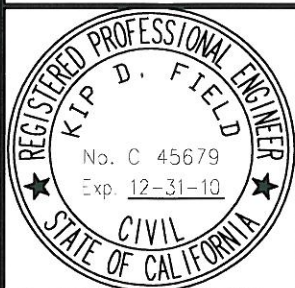
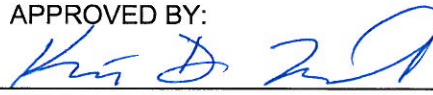


IRRIGATION

1. ALL PARK IRRIGATION IS TO HAVE SEPARATE AND INDEPENDENT POINTS OF CONNECTION, WATER METERS, VALVES, AUTOMATIC CONTROLLERS, CONTROLLER PEDESTALS, ELECTRIC METER AND LATERAL LINES. NO IRRIGATION COMPONENT SHALL SERVICE PRIVATE PROPERTY.
2. ALL RECYCLED WATER IRRIGATION SYSTEMS SHALL COMPLY WITH CORONA DEPARTMENT OF WATER AND POWER REGULATIONS AND STANDARDS.
3. THE FOLLOWING IRRIGATION EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE APPROVED CITY STANDARD SPECIFICATIONS.
 - A. MYERS MEUG-46IX-M100 CONTROLLER AND ELECTRIC METER CABINET.
 - B. FEBCO 825 Y REDUCED PRESSURE BACKFLOW PREVENTION DEVICE WITH BALL VALVES, BRASS PRESSURE REGULATOR AND A BRASS Y-STRAINER SHALL BE USED FOR POTABLE WATER. UNIT SHALL BE INSTALLED IN A LOCKABLE BPGI GUARD SHACK EXPANDED METAL ENCLOSURE.
 - C. RAIN BIRD PESB-R SERIES REMOTE CONTROL VALVES WITH BALL VALVE ASSEMBLY IN PURPLE JUMBO VALVE BOX WITH LOCKING LID. (SEE STANDARD PLAN 809)
 - D. SPRAY HEADS SHALL BE RAIN BIRD 1800-SAM-PRS SERIES WITH 1800 NP COVERS OR APPROVED EQUAL PER DETAIL.
 - E. ROTARY HEADS SHALL BE APPROVED STANDARD MODEL WITH PURPLE COVERS.
 - F. ALL HEADS SHALL HAVE ANTI DRAIN VALVES.
4. ALL CONTROLLER CABINETS SHALL BE MYERS MEUG-46IX-M100, OR APPROVED EQUAL, INSTALLED PER CITY STANDARD SPECIFICATION 803, 1 OF 4.
5. THE BASE OF THE PEDESTAL SHALL BE WATERPROOFED USING 100% CLEAR SILICONE RUBBER, 1" WIDE AND INSTALLED AT 45 DEGREES ON ALL SIDES BUT FRONT.
6. CONTROLLERS SHALL BE CALSENSE ET 2000E-LR-RRE SERIES, MOUNTED INSIDE THE REQUIRED PEDESTAL AND WIRED TO A CALSENSE TP-1 TRANSIENT PROTECTION BOARD MOUNTED BELOW THE CONTROLLER WITH CALSENSE ANTENNAE MOUNTED PER STANDARD PLAN 803. VALVE WIRES SHALL BE LABELED WITH VALVE NUMBER.
7. CALSENSE CONTROLLER AND IRRIGATION HARDWARE INSTALLATION SHALL CONFORM WITH CALSENSE DESIGNERS GUIDE.
8. INSTALL A TP 110 SURGE PROTECTOR FOR POWER SUPPLY TO CONTROLLER.
9. ALL FLOW SENSOR AND MASTER VALVE WIRES SHALL BE INSTALLED IN SCH. 40 PVC CONDUIT. (SEE STANDARD PLAN 811)

(TO BE PLACED ON)
(ALL PARK PLANS)



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CITY OF CORONA

IRRIGATION NOTES

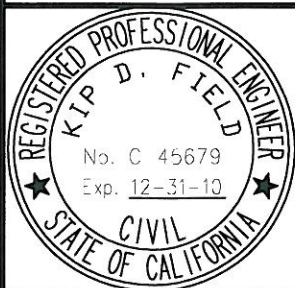
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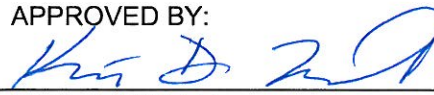
STANDARD PLAN NUMBER: **826** SHT 1 OF 3

IRRIGATION (CONTINUED)

10. CONTROLLER PEDESTALS AND BACKFLOWS SHALL BE LOCATED BY PARKS AND COMMUNITY AND SERVICES DEPARTMENT INSPECTOR. THE CONTROLLER PEDESTAL SHALL BE INSTALLED ON A CONCRETE FOUNDATION A MINIMUM OF 54" X 26" X 12" WITH A CLASS "A" FINISH. A 4" PERIMETER AT TOP OF FOUNDATION SHALL BE SLOPED AWAY FROM CABINET. A 3 1/2" SERVICE PAD SHALL BE INSTALLED WITH LIGHT BROOM FINISH IN FRONT OF THE CONTROLLER PEDESTAL. (STANDAR PLAN 803)
11. ALL VALVE BOXES SHALL BE MOUNTED ON 2" X 4" X 8" CONCRETE BLOCK/BRICK TO AVOID BOX SUBSIDENCE. SOIL SHALL BE COMPACTED WITH HAND TAMP ON ALL SIDES OF VALVE BOX.
12. VALVE BOXES TO BE RECTANGULAR 12" X 18" PURPLE PLASTIC (EXCEPT RCV VALVES) WITH LOCKABLE TOP, SET 1" ABOVE GRADE IN GROUND COVER AND 1/2" ABOVE GRADE IN TURF. VALVE BOXES SHALL BE HEAT BRANDED WITH A "V" AND THE VALVE NUMBER ON THE LID WITH 2" HIGH X 1" LETTERS.
13. ALL VALVES AND OTHER APPURTENANCES SHALL BE NO CLOSER THAN 24" APART.
14. PARKWAYS
 - A. PARKWAYS SHALL BE IRRIGATED USING TRIANGULAR SPACING.
 - B. HEADS SHALL BE FLAT SPRAYS OR SIDE STRIPS DEPENDING ON WIDTH OF PARKWAY.
 - 1) 5' PARKWAY, OR LESS USE SIDE STRIPS.
 - 2) 5.5' PARKWAY, OR WIDER, USE 8' FLAT, 10' LOW ANGLE OR SIDE STRIPS.
 - 3) PARKWAY TURF HEADS SHALL BE RAINBIRD 1806-SAM-PRS WITH 1800 NP COVERS OR APPROVED EQUAL.
 - 4) PARKWAY GROUND COVER HEADS SHALL BE RAINBIRD 1812-SAM-PRS WITH 1800 NP COVERS OR APPROVED EQUAL PAVEMENT.
 - 5) ALL PARKWAY GROUND COVER SHALL BE APPROVED BY THE PARKS AND COMMUNITY SERVICES DEPARTMENT. (NO GROUND COVER OVER 8" TALL AT MATURITY).
15. NO EXCESS WATER SHALL BE ALLOWED ON STREET OR SIDEWALK.
16. ALL SYSTEMS SHALL BE DESIGNED TO CONSERVE WATER AND AVOID RUN-OFF.
17. ALL WIRE SPLICES SHALL BE SPEARS DRI SPLICE DS-100, OR APPROVED EQUAL WITH 2 FT. EXPANSION LOOPS, AND INSTALLED IN 10" ROUND, LOCKING BOXES (CARSON OR BETTER). BOXES SHALL BE BRANDED WITH AN "E" ON THE LID WITH A 2" HIGH X 1" WIDE LETTER. INSTALL 3 1/2" ALUMINUM DOME MARKERS ON CURB TOPS AND STAMP WITH THE 1/2" LETTER 'E'.
18. ALL IRRIGATION MAINLINE AND LATERALS SHALL BE SLEEVED WITH PVC SCHEDULE 80, 2 X THE PROPOSED LINE SIZE UNDER ALL HARDSCAPE. WHERE WIRES ARE NOT RUNNING UNDER A MAINLINE, WIRES SHALL BE SLEEVED SEPARATELY IN PVC SCHEDULE 40 SLEEVE. ALL SLEEVE LOCATIONS AND BE SEALED WITH EXPANDABLE FOAM. ALL SLEEVE LOCATIONS SHALL BE IDENTIFIED AND VIEWABLE WITH SHALL EXTEND 18" BEYOND HARDSCAPE A 10" ROUND LOCKING VALVE BOX AND 4" SCH. 40 PIPE. VALVE BOX LID MUST BE BRANDED WITH A 2"X1", "S". INSTALL 3 1/2" ALUMINUM DOME MARKERS ON CURB TOP AND STAMP WITH THE 1/2" LETTER 'S'. ALL MAINLINE PIPE AND WIRES ARE TO BE TRENCHED AND BURIED.

(TO BE PLACED ON)
(ALL PARK PLANS)



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IRRIGATION NOTES

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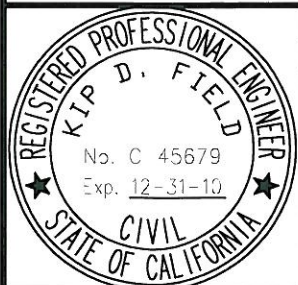
STANDARD PLAN NUMBER: **826**


SHT 2 OF 3

IRRIGATION (CONTINUED)

19. ALL MAINLINE AND LATERAL PIPE IS TO BE TRENCHED AND BURIED, PER CITY STANDARD PLAN 801.
20. ALL MAINLINE AND LATERAL PIPE SHALL BE NON-POTABLE PURPLE P.V.C., WHERE REQUIRED.
21. ALL HEADS SHALL BE INSTALLED AT 90 DEGREES TO THE SLOPE.
22. IRRIGATION COVERAGE SHALL BE DESIGNED FOR HEAD TO HEAD WITH A MINIMUM OF 100% COVERAGE, WITH WIND DEFLECTION TAKEN INTO ACCOUNT.
23. ALL PIPE CROSSING BENCH DRAINS ON SLOPES SHALL BE SLEEVED WITH SCHEDULE 40 GALVANIZED PIPE EXTENDED 1' BEYOND DRAIN ON BOTH SIDES AND THE ENDS ATTACHED AND STABILIZED TO SLOPE.
24. REMOTE CONTROL VALVES SHALL BE RAIN BIRD PESB-R SERIES OR APPROVED EQUAL INSTALLED PER CITY STANDARD 809.
25. ALL MAINLINE AND VALVES SHALL BE LOCATED 24" FROM ALL SIDEWALKS OR CURBS.
26. ALL HEADS SHALL BE SET 2" FROM ALL CURBS, SIDEWALKS, AND ANY OTHER HARDSCAPE.
27. USE TEFLON TAPE ON ALL THREADED FITTINGS EXCEPT ON MARLEX FITTINGS.
28. ALL MAINLINE SHALL BE PRESSURE TESTED WITH THRUST BLOCKS IN PLACE AT 150 PSI FOR A MINIMUM OF FOUR HOURS IN PRESENCE OF A CITY INSPECTOR PRIOR TO BACKFILLING.
29. 2 EXTRA WIRES SHALL BE RUN FROM THE CONTROLLER TO THE FURTHEST VALVE IN EACH DIRECTION FROM CONTROLLER. EXTRA WIRES SHALL BE A DIFFERENT COLOR FROM COMMON AND PILOT WIRES. SPARE WIRES SHALL BE A DIFFERENT COLOR FROM ALL OTHER COLORS SPECIFIED.
30. CONTRACTOR IS TO SUBMIT MYLAR "AS BUILT" PLANS ALONG WITH AUTOCAD DXF FILE ON CD-ROM SERVICES DEPARTMENT LANDSCAPE CONTRACT INSPECTION OFFICE PRIOR TO ACCEPTANCE.
31. CONTRACTOR IS TO SUBMIT (2), AS-BUILT, 11" X 14" COLOR CODED LAMINATED CONTROLLER CHARTS TO THE PARKS AND COMMUNITY SERVICES DEPARTMENT.
32. CONTRACTOR IS TO SUBMIT THE BACKFLOW DEVICE CERTIFICATION TO PARKS AND COMMUNITY SERVICES DEPARTMENT.
33. CONTRACTOR IS TO SUBMIT THE CALSENSE CERTIFICATION LETTER TO PARKS AND COMMUNITY SERVICES DEPARTMENT PRIOR TO ACCEPTANCE.
34. CONTRACTOR TO FURNISH A TELEPHONE LINE IN CONDUIT TO EACH CONTROLLER CABINET.
35. BACKFLOW PREVENTER MUST BE INSTALLED PRIOR TO INSTALLATION OF THE WATER METER. CONTACT CORONA DEPARTMENT OF WATER AND POWER FOR WATER METER LOCATION.
36. CONTROL WIRE COLORS FOR EACH CONTROLLER SHALL BE AS FOLLOWS:
 CONTROLLER A, RED
 CONTROLLER B, BLUE
 CONTROLLER C, YELLOW
 CONTROLLER D, ORANGE
 ALL COMMON WIRES TO BE WHITE. CONNECTED TO NO MORE THAN 10 STATIONS.

(TO BE PLACED ON ALL PARK PLANS)



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