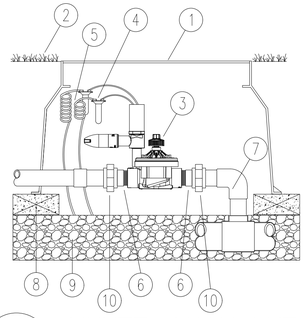
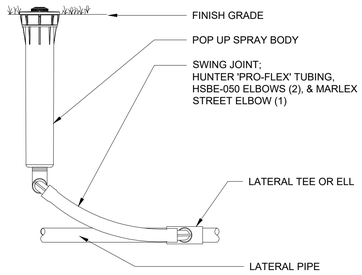
IRRIGATION DETAILS

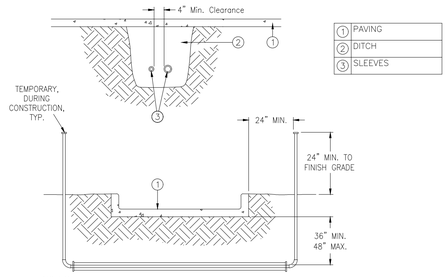


1. STANDARD VALVE BOX
2. FINISH GRADE
3. REMOTE CONTROL VALVE MODEL ICV-101G ACCU-SYNC-XX WITH FILTER SENTRY
4. WATERPROOF CONNECTORS (2)
5. 18-24" COILED WIRE
6. SCH 80 T.O.E. NIPPLE
7. MAIN LINE PIPE & FITTINGS
8. BRICK SUPPORTS (4)
9. 3/4" MINUS WASHED GRAVEL
10. PVC SLIP UNIONS

1 HUNTER ICV VALVE

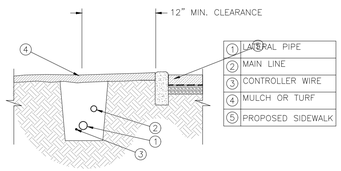


4 6" POP-UP SPRAY HEAD



NOTES:
1. ALL PVC IRRIGATION SLEEVES TO BE SCH 80 PVC PIPE.
2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
3. MECHANICALLY TAMP TO 95% PROCTOR.

2 SLEEVING



3 MAINLINE AND LATERAL PIPE

IRRIGATION NOTES

1. CONTRACTOR TO VERIFY THE LOCATION OF WATER SOURCE
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING IRRIGATION SERVICE TO AREAS OUTSIDE OF THE CONSTRUCTION SITE THAT WOULD RESULT IN THE DISRUPTION OF SERVICE DURING CONSTRUCTION. THE CONTRACTOR WILL RESTORE/REPAIR ALL DAMAGED IRRIGATION LOCATED WITHIN THE CONSTRUCTION SITE OR ANY AREAS BEING USED BY THE CONTRACTOR, SUCH AS STAGING AREAS AND PARKING AREAS. IF ANY SOD/LANDSCAPING DIES INSIDE OR OUTSIDE THE CONSTRUCTION FENCE AS A RESULT OF IRRIGATION FAILURE DUE TO CONSTRUCTION, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR RESTORING THE AREAS EXACTLY AS THEY WERE PREVIOUS TO CONSTRUCTION.
3. THE PROPOSED VALVES AND IRRIGATION HEADS ARE CONNECTED TO THE EXISTING IRRIGATION SYSTEM.
4. IRRIGATION SYSTEMS SHALL BE DESIGNED TO MEET THE NEEDS OF THE PLANTS IN THE LANDSCAPE.
5. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIAL TO INSTALL A FULLY OPERATIONAL IRRIGATION SYSTEM.
6. ALL SPRINKLER HEADS SHALL BE INSTALLED WITH SWING .
7. IRRIGATION SLEEVES ARE REQUIRED UNDER HARDSCAPE AREAS SUCH AS PAVED AREAS, DRIVEWAYS, RETAINING WALLS, AND ALL OTHER HARD-WEARING MATERIALS SUCH AS STONE, CONCRETE SIDEWALKS, ROAD, ETC. ALL IRRIGATION SLEEVE PIPE SHALL BE SCHEDULE 40 PVC. SLEEVES SHALL BE 2 PIPE SIZES LARGER THAN THE RUNNING PIPE AND SHALL EXTEND 24" OUTWARD FROM EDGE OF ASPHALT/ROADWAY OR CONCRETESLAB. SLEEVES UNDER PAVED AREAS SHALL BE INSTALLED TO A MINIMUM DEPTH OF 24".
8. VALVES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND PIPE MANUFACTURER'S INSTRUCTIONS.
9. IRRIGATION MAIN PIPE SHALL BE SCHEDULE 40 PVC.
   LATERALS: CLASS 200
   SLEEVES: SCHEDULE 40
10. TOP OF VALVE BOXES AND SPRINKLER HEADS SHALL BE INSTALLED AT FINISH GRADE LEVEL.
11. MAINS SHALL BE @ 18" BELOW FINISH GRADE AND LATERALS BETWEEN 6" AND 12" (DEPENDING OF THE PIPE SIZE) BELOW FINISH GRADE.ALL IRRIGATION TRENCHES TO BE BACK FILLED WITH 100% SAND TO PREVENT PIPE RUPTURES.
12. ZONE CONTROLLING VALVES WILL BE ADJUSTED AND CONNECTED TO THE EXISTING CONTROLLER.
13. WHEN FEASIBLE, IRRIGATION SYSTEMS SHALL BE DESIGNED TO SEPARATELY SERVE TURF AND NON-TURF AREAS.
14. THE DESIGN SHALL CONSIDER SOIL, SLOPE, AND OTHER SITE CHARACTERISTICS IN ORDER TO MINIMIZE WATER WASTE, INCLUDING OVERSPRAY, WATERING OF IMPERVIOUS SURFACES AND OTHER NON-VEGETATED AREAS, AND OFF-SITE RUNOFF.
15. RAIN SWITCHES OR OTHER APPROVED DEVICES, SUCH AS SOIL MOISTURE SENSORS, TO PREVENT UNNECESSARY IRRIGATION SHALL BE INCORPORATED.
16. A RECOMMENDED SEASONAL OPERATING SCHEDULE AND AVERAGE PRECIPITATION RATES FOR EACH IRRIGATION ZONE FOR BOTH ESTABLISHMENT AND MAINTENANCE CONDITIONS SHALL BE PROVIDED.
17. SPRINKLER LOCATIONS SHALL BE COORDINATED WITH EXISTING AND PROPOSED PLANTING MATERIAL, SITE LIGHTING, UTILITIES, ETC. TO ENSURE PROPER COVERAGE WITH MINIMAL UNDESIRABLE OVERTHROW.
18. BEFORE ANY CONSTRUCTION START, A TEST OF THE IRRIGATION SYSTEM MUST BE CONDUCTED. THE CONTRACTOR, PROJECT MANAGER AND IRRIGATION TECHNICIAN MUST BE THERE TO SEE IF THERE ARE ANY INFRACTIONS THAT HAVE TO BE ADDRESSED.
19. TESTING FOR PRESSURE AND LEAKAGE SHALL BE ACCOMPLISHED UPON THE COMPLETION OF EACH SECTION OF ZONED PIPING. ALL RISERS SHALL BE INSTALLED PRIOR TO TESTING AND SHALL BE SUITABLE PLUGGED AND BLOCKED. THE CONTRACTOR SHALL ALLOW ALL SOLVENT-WELDED JOINTS TO CURE ACCORDING TO MANUFACTURER'S DIRECTION PRIOR TO PRESSURE TESTING. THE CONTRACTOR MAY NOT BACKFILL JOINTS BEFORE TESTING. IN THE EVENT OF AN UNSATISFACTORY TEST, THE CONTRACTOR WILL UNCOVER THE SECTIONS FOR LOCATION OF LEAKS AND MAKE THE REQUIRED REPAIRS.
20. ALL LINES SHALL BE FLUSHED AND ALL OUTLETS SHALL BE CAPPED AND PLUGGED BEFORE TESTING. PRESSURE TESTING (100 PSI FOR A MINIMUM OF ONE HOUR) SHALL BE CONDUCTED IN THE PRESENCE OF THE PROJECT MANAGER. TEST SHALL PASS WHEN THERE IS NO DETECTABLE CHANGE IN PRESSURE AT THE END OF ONE HOUR PERIOD. THE TESTING COST SHALL BE PAID FOR BY THE CONTRACTOR.
21. BACKFILL SHALL BE CAREFULLY PLACED TO AVOID PIPE DISLOCATION. BACKFILL MATERIAL SHALL BE FREE OF ROCKS, STUMPS, ROOTS, STONES, AND OTHER DEBRIS THAT COULD DAMAGE IRRIGATION SYSTEM COMPONENTS.
22. POP-UP ROTORS SHALL BE RAIN BIRD 5004 AND SPRAY HEADS SHALL BE RAIN BIRD 18006 SERIES. ROTORS FOR ATHLETIC FIELDS SHALL BE FALCON 6504 HIGH-SPEED #12 NOZZLE.
23. SIX INCH POP-UP SPRAYHEADS SHALL BE INSTALLED IN AREAS LANDSCAPED WITH SOD AND MULCH. TWELVE INCH POP-UP TYPE SPRAYHEADS SHALL BE INSTALLED IN AREAS LANDSCAPED WITH GROUNDCOVERS. BUBBLERS SHALL BE INSTALLED AT ROYAL PALMS AND LARGE TREES.
24. THE CONTRACTOR SHALL FULLY WARRANT THE IRRIGATION SYSTEM FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE. THE CONTRACTOR WILL RECEIVE A WRITTEN CONFIRMATION FROM THE LANDSCAPE ARCHITECT, AFTER ACCEPTANCE, WHICH WILL STATE THE DURATION OF WARRANTY PERIOD FROM BEGINNING TO END.

NO.	DATE	REVISIONS	DES. DWN.

SINGLE STORY EDUCACIONAL FACILITY BUILDING
LANDSCAPE NOTES AND DETAILS
750 SOUTH STATE ROAD 7, MARGATE , FL 33068

SEAL

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DES.	DWN.	CHK.

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