



SITE SPECIFIC IRRIGATION NOTES:

- THE INTENT OF THESE DOCUMENTS IS TO PROVIDE THE BASIC INFORMATION AND MINIMUM STANDARDS FOR THE LANDSCAPE CONTRACTOR TO DESIGN, BUILD AND INSTALL A FULLY FUNCTIONAL IRRIGATION SYSTEM FOR THIS SITE OR THE AREA DESIGNATED TO BE IRRIGATED.
- THE CONTRACTOR IS TO PROVIDE AND INSTALL ALL MAIN LINE PIPING, VALVES, HEADS, LATERAL PIPING, PRESSURE REDUCERS, VALVE BOXES, WIRING AND CONTROLLER FOR A FULLY FUNCTIONAL IRRIGATION SYSTEM.
- THE CONTROLLER IS TO BE LOCATED ON THE EXTERIOR WALL OF STORAGE ROOM #161 ON THE SOUTH SIDE OF THE BUILDINGS 1ST FLOOR.
- A WALL MOUNTED 120 VOLT DUPLEX OUTLET WILL BE PROVIDED FOR CONTROLLER TO PLUG INTO.
- SEE SHEET E101 FOR DESIGNATED LOCATION.
- THE CONTROLLER SHALL BE A HUNTER PRO-C OR EQUAL CAPABLE OF ACCOMMODATING A MINIMUM OF 12 ZONES. THE CONTROLLER SHALL BE OUTDOOR RATED IN A LOCKABLE PLASTIC OR METAL ENCLOSURE.
- PROVIDE AND INSTALL A HARD-WIRED RAIN AND FREEZE SENSOR WITHIN LINE OF SIGHT OF THE CONTROLLER OR AT A LOCATION APPROVED BY THE OWNER.
- CONTRACTOR SHALL VERIFY PRESSURE AND FLOW OF WATER SUPPLY PRIOR TO THE INSTALLATION OF THE NEW IRRIGATION SYSTEM. ADVISE ARCHITECT AND OWNER IF PRESSURE AND FLOW DO NOT MEET MINIMUM CUSTOMARY AND USABLE MINIMUM STANDARDS FOR A USABLE IRRIGATION SYSTEM.
- THE DETAILS ARE INTENDED TO ESTABLISH MINIMUM REQUIREMENTS FOR INSTALLATION AND PRODUCT QUALITY.
- IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE AND INSTALL AN IRRIGATION SYSTEM ADEQUATE TO COVER THE AREAS INDICATED WITH IRRIGATION WATER. AREAS WILL BE A VARIETY OF GRASS, SHRUBS AND TREES. DRIP IRRIGATION IS NOT PERMITTED. SPRAYS AND ROTORS SHALL BE INSTALLED TO SPRAY AWAY FROM THE BUILDING AND THE GLASS.
- IRRIGATION ROTORS SHALL BE RAINBIRD 5000 PLUS W/MPR NOZZLES, ADJUSTABLE HEADS OR EQUAL OR SUPERIOR.
- IRRIGATION SPRAY BODIES SHALL BE RAINBIRD 1800, OR APPROVED EQUAL OR SUPERIOR PRODUCT.
- IRRIGATION CONTRACTOR SHALL PLAN TO TIE ON TO A 1 1/2" WATER LINE STUB OUT PROVIDED BY OTHERS. STUB OUT WILL INCLUDE A BACKFLOW PREVENTER AND SHUT-OFF VALVE IN VALVE BOX.

GENERAL IRRIGATION NOTES:

- ALL MAINLINES TO HAVE MINIMUM OF 18" OF COVER. (CLASS 200 PVC PIPE).
- ALL LATERAL AND SUB-MAIN PIPE TO HAVE A MINIMUM OF 12" OF COVER. (CLASS 200 PVC PIPE).
- NO ROCKS, BOULDER, OR OTHER EXTRANEIOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
- ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
- ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
- ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
- SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS.
- ALL ELECTRICAL JOINTS TO BE MADE USING WATERPROOF CONNECTIONS AS SHOWN ON DETAILS.
- ALL EQUIPMENT NOT SPECIFIED IN THE LEGEND SHALL BE DETERMINED AND FURNISHED BY THE CONTRACTOR.
- NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
- ANY DISCREPANCY BETWEEN THIS SET AND OTHERS IN THIS SET MUST BE REFERRED TO THE ARCHITECT OR ENGINEER BY THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.
- ALL 24 VOLT WIRE SHALL BE #12 UF/B FOR COMMON WIRE, AND #12 UF/UL FOR CONTROL WIRES. EXCEPT EQUAL, SOLID COPPER.
- CONTRACTOR SHALL VERIFY PROPER COVERAGE OF AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
- CONTRACTOR SHALL REFER TO SITE PLANS TO PREVENT SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH SITE FEATURES, I.E. FENCES.
- CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 3/4" PIPE 10 TIMES).
- CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
- ROTORS AND SPRAY HEAD SHALL TO BE MOUNTED ON SWING OR FUNNY PIPE.
- 24 VOLT WIRE SHALL BE COLOR CODED: COMMON-WHITE, CONTROL-RED.
- CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDED GROUNDING EQUIPMENT FOR POWER SUPPLY AND VALVE OUTPUT WITH (2) 1/2" COPPER CLAD GROUND RODS.
- CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDATION ON SURGE, GROUND AND LIGHTNING PROTECTION.
- ALL MATERIAL TO BE SUPPLIED BY CONTRACTOR TO OWNER AS ATTIC STOCK.
 - TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEAD AND VALVE SUPPLIED.
 - TWO KEYS FOR EACH OF THE AUTOMATIC CONTROLLER'S LOCKABLE BOX.
 - TWO ROTORS OF EACH MODEL WITH NOZZLES.
 - TWO SPRAY HEADS AND NOZZLES.
 - TWO 24 VOLT VALVES.
 - AS-BUILT/DIAGRAM OF IRRIGATION LAYOUT WITH ZONES INDICATED.
- ALL MAINLINE PIPING, ELECTRIC VALVES, AND WIRING ARE TO BE INSTALLED IN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARIES. CONTRACTOR SHALL REFERENCE THE LANDSCAPE AND SITE PLANS PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONFLICT WITH SITE IMPROVEMENTS EXISTING OR NEW.
- CONTRACTOR SHALL INSTALL SPRINKLER EQUIPMENT 12" FROM FOUNDATIONS. ALSO INSTALL SPRINKLERS 4" FROM CURB OR WALKS.
- PRIOR TO BID IRRIGATION CONTRACTOR SHALL VERIFY RIGHT-OF-WAY AND BACK-FLOW REQUIREMENTS. NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CHANGES FROM PLANS AND SPECIFICATIONS.
- EACH VALVE SHALL HAVE AN ALL WEATHER VALVE ID TAG INDICATING ZONE DESIGNATION AT THE CONTROLLER.
- SIZE LINES AND HEADS TO PROVIDE 100% WATER COVERAGE FOR ALL AREAS INDICATED.
- SYSTEM SHALL BE DESIGNATED TO PROVIDE A MINIMUM OF 1" OF WATER TO ALL SODDED AREAS PER WEEK.
- COORDINATE IRRIGATION LINE LAYOUT AND PLACEMENT WITH ALL OTHER UTILITIES AND STORM PIPE ON THE SITE.
- IRRIGATION CONTROL BOXES SHALL BE LOCATED OUTSIDE OF HARD-SCAPE SURFACES.

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Order Plans

SA&E PROJECT NUMBER	01-615-056
BID PACKAGE/PHASING	BP-1
ISSUED FOR CONSTRUCTION	10/15/2019
REVISIONS	
R #	Doc #
Date	
7951 Truon Circle Austell, Ga 30168 (770) 419-7777 I.L.C. architects & engineers	
FACILITY CODE NUMBER: 674-0110 GYMNASIUM/AUDITORIUM FOR: HEARD COUNTY SCHOOLS 545 MAIN STREET, FRANKLIN, GA 30217 HEARD COUNTY SCHOOL SYSTEM FRANKLIN, GEORGIA	
IRRIGATION DETAILS	
	DRAWING NUMBER
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