

LANDSCAPE & IRRIGATION GUIDELINES FOR MINOR PROJECTS

THIS LANDSCAPE AND IRRIGATION GUIDELINES SERVE AS MINIMUM SPECIFICATION REQUIREMENT FOR ALL MINOR PROJECTS CONTRACTS OR PURCHASE ORDERS. THE CONTRACTOR SHALL ACKNOWLEDGE, SIGN AND ATTACH A COPY OF THIS [LANDSCAPE & IRRIGATION GUIDELINES FOR MINOR PROJECTS](#) AS AN ATTACHMENT TO PROPOSAL OR BID.

A IRRIGATION SYSTEM (CHECK ALL APPLICABLE LINES)

1. USE 6" RAINBIRD 1806 POP-UP SPRAYS IN ALL TURF AREAS AND 12" RAINBIRD 1812 POP-UP SPRAYS IN FLOWERBEDS. HEADS SHOULD BE INSTALLED AT GRADE.
2. HUNTER PGP-04 ULTRA ROTORS IN LARGE TURF AREAS.
3. RAIN BIRD CONTROL VALVES.
4. ISOLATION VALVES TO BE INSTALLED ON EVERY ZONE. INCLUDING MAIN LINES.
5. BUBBLERS FOR TREES ARE TO BE ON DEDICATED BUBBLER ZONES. RAINBIRD 1400 SERIES BUBBLERS WITH FLOW RATE APPLICABLE TO SPECIES AND CALIPER OF TREE ARE TO BE INSTALLED.
6. K-FLEX PIPE AND STREET ELBOWS (SLIP X MPT).
7. POC NEEDS TO BE DISCUSSED WITH THE GROUNDS DEPARTMENT BEFORE INSTALLATION.
8. ZONE GPM, PIPE SIZE, AND LOCATION NEED TO BE APPROVED BEFORE INSTALLATION.
9. EXISTING SYSTEMS IN THE AREA NEED TO BE ASSESSED TO DETERMINE IF THEY CAN BE USED.
10. ALL IRRIGATION PIPES ARE TO BE SCHEDULE 40.
11. 18/12 IRRIGATION WIRE WITH A SEPARATE 14 AWG GROUND WIRE IS TO BE USED AND PLACED IN SCHEDULE 20 PURPLE RECLAIM PIPE. JUNCTION BOXES FOR ALL ELECTRICAL CONNECTIONS.
12. BOXES NEED TO BE APPROVED BY FM-GROUNDS. 7" ROUND RAINBIRD BOXES. 10" ROUND Vb GREEN RAINBIRD BOXES. 12H x 21L x 15W RECT Vb GREEN RAINBIRD BOXES.
13. IRRIGATION LINE UNDER HARDSCAPE MUST BE IN SLEEVES. SLEEVE LOCATIONS ARE TO BE MARKED ON AS-BUILT DRAWINGS.
14. CONTROLLER MODEL TO BE RAIN BIRD ESP-LXME CONTROLLER WITH IQ SYSTEM CARTRIDGE.
15. RAIN BIRD WIRELESS RAIN SENSORS ARE REQUIRED AND MUST BE COMPATIBLE WITH CONTROLLERS.
16. EXISTING ZONES OUTSIDE OF CONSTRUCTION FENCE, BUT IMPACTED BY CONSTRUCTION, NEED TO STAY FULLY OPERATIONAL AT ALL TIMES.
17. EXISTING IRRIGATION MAINLINE MUST BE KEPT LIVE AT ALL TIMES DURING CONSTRUCTION.
18. BATTERY OPERATED VALVE CONTROLLERS ARE DISCOURAGED BUT IF NO OTHER SOLUTION IS AVAILABLE TO KEEP A ZONE OPERATIONAL, HUNTER NODES WITH LATCHING SOLENOIDS ARE REQUIRED.
19. DRIP LINES SHOULD BE RAINBIRD WITH RAINBIRD FITTINGS AND RAINBIRD DRIP CONTROL VALVES WITH FILTERS. CONSULT WITH FM-GROUNDS FOR AVAILABLE GUIDELINES BEFORE DESIGN.
20. LATERAL LINE BURIED DEPTH: 12". MAIN LINE BURIED DEPTH: 18"

B LANDSCAPE MATERIAL (CHECK ALL APPLICABLE LINES)

1. ARGENTINE BAHIA SOD OR EMPIRE ZOYSIA SOD.
2. ENVIRO-MULCH IS TO BE USED IN PLANT BEDS. ENVIRO-MULCH CAN BE PURCHASED THROUGH BAY MULCH. PHONE: 352/588-5200.
3. ALL SOD SHOULD BE LAID BACK TO EXISTING SOD GRADES AND ROLLED IF NECESSARY.
4. MAINTENANCE AND CARE OF ALL EXISTING PLANT MATERIAL INSIDE CONSTRUCTION FENCE IS THE RESPONSIBILITY OF THE CONTRACTOR. PLANT MATERIAL NOT PROPERLY MAINTAINED WILL NEED TO BE REPLACED WITH LIKE MATERIAL.
5. ALL SOD, PLANT MATERIAL, AND IRRIGATION OUTSIDE OF CONSTRUCTION FENCE, BUT IMPACTED BY THE PROJECT, WILL REQUIRE REPLACEMENT OR REPAIR TO ITS ORIGINAL STATE, AT THE CONTRACTORS EXPENSE.

C REFERENCES

1. [PMG 17, TREE PROTECTION & REPLACEMENT GUIDELINES](#)
2. [PMG 17A, GENERAL REQUIREMENTS FOR LANDSCAPE WORK AT USF](#)
3. [PMG 17B, IRRIGATION & LANDSCAPE GUIDELINES FOR MINOR PROJECTS](#)

CONTRACTOR ACKNOWLEDGEMENT:

THE CONTRACTOR, UNDERSIGNED, ACKNOWLEDGE THE GENERAL REQUIREMENTS FOR LANDSCAPE WORK ON USF CAMPUS

SIGN

DATE