

*[Signature]*  
 12-15-17

**BUTLER PARK  
 AQUATIC CENTER  
 CITY OF NORTHPORT, FL**

**IRRIGATION PLAN**

Scale: AS SHOWN  
 Designed by: KAU  
 Drawn by: KAU  
 Checked by: LMD  
 Date: DECEMBER 2017  
 Project No. 4825034

SHEET  
**IR-1**



- NOTES**
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK.
  - CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK.
  - THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
  - ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS PRIOR TO COMMENCEMENT OF OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR.
  - THIS PLAN IS SCHEMATIC AND DUE TO THE NATURE OF CONSTRUCTION SLIGHT FIELD MODIFICATIONS MAY BE NECESSARY TO IMPLEMENT PLAN.
  - THIS IRRIGATION SYSTEM IS DESIGNED TO THE FOLLOWING STATS: 75 G.P.M. STATIC WATER PRESSURE IS 90 P.S.I. CONTRACTOR TO VERIFY ACTUAL AVAILABLE WATER PRESSURE BEFORE BEGINNING INSTALLATION. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE WATER PRESSURE EXCEEDS 5 PSI HIGHER OR IS LESS THAN AVAILABLE WATER PRESSURE.
  - VERIFY CONTROLLER AND RAIN SENSOR LOCATION AND MAINLINE POINT OF CONNECTION WITH OWNER.
  - IRRIGATION SYSTEMS CONNECTED TO POTABLE WATER SUPPLY SHALL HAVE A BACKFLOW PREVENTER INSTALLED.
  - WHERE APPLICABLE IRRIGATION HEADS ARE TO BE ADJUSTED FOR COMPLETE COVERAGE WITHIN ALL SPRAY BEYOND LANDSCAPE AREAS.
  - EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
  - IRRIGATION LATERAL LINES, MAIN LINES AND EQUIPMENT MAY BE SHOWN OUTSIDE PROPERTY LINES ON THIS PLAN. ALL IRRIGATION LINES AND EQUIPMENT ARE TO BE WITHIN AND INSTALLED WITHIN THE LIMITS OF THE PROPERTY LINE.
  - ALL IRRIGATION SLEEVING TO BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR UNLESS OTHERWISE NOTED.
  - ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. SEE SLEEVING DETAIL. ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE PLACED WITHIN SLEEVES AS NOTED.
  - SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. LOW FLOW PREVENTER TO BE PROVIDED BY IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR POINT OF CONNECTION TO BE LOCATED IN ACCESSIBLE GREEN SPACE.
  - IRRIGATION CONTRACTOR SHALL REVIEW AND INTERPRET ALL IRRIGATION SYSTEM FOUNDATION SYSTEM WITH OWNERS REPRESENTATIVE.
  - ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE PROTECTED AND MAINTAINED TO KEEP MOST UNITS PLANTED. MAINLINE, VALVES, AND WIRES ARE TO BE PROTECTED FROM DAMAGE AND LOCATED IN ACCESSIBLE GREEN SPACE. CONTRACTOR TO COORDINATE WITH UTILITY LOCATIONS AND CONFLICTS WITH UTILITIES STRUCTURES, ETC.
  - CONTRACTOR RESPONSIBLE FOR PROVIDING PROTECTIVE SLEEVING TO PROTECT CONTROLLER.
  - INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
  - ALL 24 VAC WIRING SHALL BE DIRECT BURIED UNDER WIRING AS FOLLOWS:  
 1. UNDER WALKWAYS  
 2. UNDER CURBS OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
  - SET SPRAY HEADS TO 12" POP-UP. CURB OR EDGE OF PAVEMENT HAS NO CURB.
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF THIS PLAN. INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. "AS-BUILT" DRAWINGS TO BE COLOR CODED BY ZONE ON 8.5" X 11", LAMINATED, AND PLACED IN CONTROLLER.
  - THE SYSTEM HAS BEEN DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS. QUANTITIES IN SCHEDULE ARE ESTIMATED. PLAN SHALL TAKE PRECEDENCE.
  - IRRIGATION VALVES AND VALVE BOXES SHALL BE LOCATED IN LANDSCAPE BESS OR SURROUNDING AREAS WHENEVER POSSIBLE. ALL VALVE BOXES SHALL BE SET FLUSH WITH FINISHED GRADE AND CONTAIN ONE COINCIDENT OF CLEAN WITH VALVE. LABEL REMOTE BOXES WITH ONE-ANCH ALPHABETIC NOTATION CORRESPONDING TO THE APPLICABLE ALPHA CONTROLLER AND NUMERIC STATION.

**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MCV	RAIN BIRD PESB 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.	1
C	WEATHERMATIC SLWS WITH (2) SLM12 24-ZONE CONTROLLER, INTERNAL 120VAC/230VAC TRANSFORMER, LARGE BACKLIT LCD DISPLAY	1
WS	WEATHERMATIC SLWS WIRELESS WEATHER SENSOR FOR ET BASED WATERING, 500MHZ - 1500' LINE OF SITE RANGE	1
POC	POINT OF CONNECTION 2"	1
---	IRRIGATION LATERAL LINE: PVC CLASS 208 SDR 21	2,448 L.F.
---	IRRIGATION MAINLINE: PVC CLASS 208 SDR 21	871.6 L.F.
---	PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATING COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	43.9 L.F.
---	HUNTER PROS-12-CV-R 5' STRIP SPRAY SHRUB SPRAY, 12.0" POP-UP, WITH DRAIN CHECK VALVE, AND RECLAIMED PURPLE BODY CAP CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	11
---	HUNTER PROS-12-CV-R 6" RADIUS SHRUB SPRAY, 12.0" POP-UP, WITH DRAIN CHECK VALVE, AND RECLAIMED PURPLE BODY CAP CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	28
---	HUNTER MP1000 PROS-06-PRS40-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PR340 BODY. M-MARCON ADJ ARC 90-210, L-HIGHT BLUE 210 TO 270 ARC, G-GREEN 360 ARC.	108
---	HUNTER MF208I PROS-06-PRS40-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PR340 BODY. K-BLACK ADJ ARC 90-210, G-GREEN ADJ ARC 210-270, R-RED 360 ARC.	26
---	TORO 570S-FB-PC PRESSURE-COMPENSATING FLOOD BUBBLER ON FIXED RISER. 0.25GPM, 8.5GPM, 1.8GPM, AND 2.6GPM. PURPLE CAP FOR RECLAIMED SYSTEM.	9
---	RAIN BIRD PESB 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE	6

