

SEE SHEETS IR.15 AND IR.16 FOR TREE BUBBLERS

IRRIGATION INTENT AND COVERAGE NOTES:

- DESIGN PROVIDES 100% IRRIGATION COVERAGE WITH 50% OVERLAP.
- BUBBLERS ARE PROVIDED FOR ALL PROPOSED AND RELOCATED TREES.
- SYSTEM ZONED SEPARATING TURF, SHRUB, TREES, AND SEPARATION OF ZONES BY PRECIPITATION RATE.
- WATER SOURCE IS ADJACENT LAKE; THUS, ASSUMED TO BE RUST FREE. IF STAINING OCCURS, CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT TO COORDINATE A CHEMICAL INJECTION SYSTEM TO PREVENT STAINING.

RAIN BIRD TWO WIRE CONTROLLER NOTES (APPLICABLE ON RESIDENTIAL SYSTEM):

- CONTRACTOR TO PROGRAM CONTROLLER TO MAXIMIZE FLOW FROM POINT OF CONNECTION TO ALLOW FOR SMALLER WATERING WINDOW TO ALLOW FOR FUTURE EXPANSION WHILE NOT HINDERING MAINLINE HYDRAULICS.
- CONTRACTOR TO INSTALL RAIN BIRD 14-2 MAXI-CABLE™ (DOUBLE-JACKETED) FOR TWO WIRE PATH INSTALLATIONS. UTILIZE 3M DBYR WATERPROOF WIRE CONNECTORS FOR ALL SPLICES.
- CONTRACTOR TO INSTALL GROUNDING FOR CONTROLLER PER RAIN BIRD RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PROPER GROUNDING/SURGE PROTECTION FOR DECODERS AND TWO WIRE PATH PER RAIN BIRD RECOMMENDATIONS.
 - THE TWO WIRE PATH MUST BE SURGE PROTECTED WITH A SURGE DEVICE (LSP-1, FD-401 OR FD601) AND CONNECTED TO A GROUNDING SYSTEM EVERY 500 FEET OR EVERY 8 FIELD DEVICES, WHICHEVER COMES FIRST AND THE END OF EACH TWO WIRE BRANCH.
 - GROUNDING RODS SHOULD BE AT LEAST 5/8" X 8' COPPER CLAD WITH WELDED INSULATED CONDUCTOR, SUCH AS THE 18200016 FROM PAIGE. RODS SHOULD BE INSTALLED AT A DISTANCE EQUAL TO OR GREATER THAN THEIR LENGTH FROM THE TWO WIRE PATH OR ANY ELECTRICAL EQUIPMENT.
 - IF THERE IS RISK OF HITTING UNDERGROUND PIPES OR WIRES WHEN DRIVING GROUND RODS, A COPPER CLAD 8 FOOT X 5/8 INCH GROUNDING PLATE CAN BE USED INSTEAD PROVIDED IT MAINTAINS 10 OHMS OR LESS OF RESISTANCE. GROUNDING PLATES SHOULD BE INSTALLED 30" BELOW GRADE.

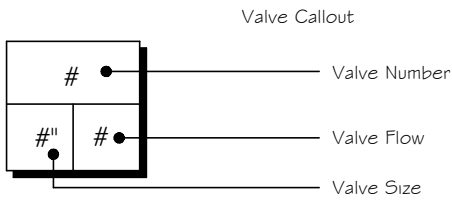
IRRIGATION_SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Hunter ICV-G-F5 Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use with Filter Sentry, size per plan. Provide Rain Bird two wire decoder for valves on Residential System.	92
	Matco Norca #503 Bronze gate shut off valve with wheel handle, same size as mainline pipe diameter at valve location.	11
	Clubhouse Pump: Watertronics prefabricated 7.5 HP centrifugal pump station (WMLV-5000-7A-7.5-240-3-65-60) with a variable frequency drive utilizing the adjacent lake as the water source. Pump power shall me a minimum of 230v/3ph.	1
	Residential Pump: Watertronics prefabricated 10 hp centrifugal pump station (WMLV-5000-7A-10-240-3-100-60) with a variable frequency drive utilizing the adjacent lake as the water source. Pump power shall me a minimum of 230v/3ph.	1
	Clubhouse Controller: Rain Bird ESPLXME2-LXMM-LXMMPED w/ (1) ESPLXMSM12-24 Station, Traditionally-Wired, Commercial Controller, (1) ESPLXME2 12-Station, Indoor/Outdoor, Plastic Wall-Mount Enclosure w/ (1) ESPLXMSM12 - 12-Station Expansion Module. Install in LXMM-LXMMMPED Powder Coated, Metal Wall-Mounted Cabinet w/ Pedestal	1
	Residential Controller: Rain Bird E5P-LXD-LXMMPED w/ (1) ESPLXD-SM75 Flow sensing Two-Wire Decoder Commercial Controller. 125 Stations. UV-Resistant, Outdoor-Rated, Powder-Coated Metal Pedestal Case.	1
	Rain Bird RSD-BEx Rain Sensor, with metal latching bracket, extension wire.	2
	Irrigation Mainline: Class 200 PVC with solvent weld Schedule 40 PVC fittings (size per plan)	

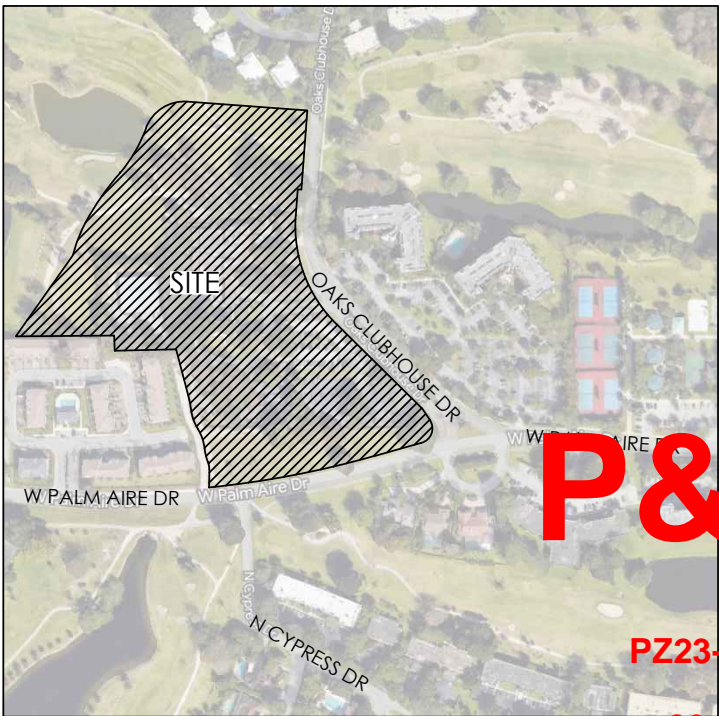
IRRIGATION_SCHEDULE

SYMBOL	MANUFACTURER/MODEL	SYM. QTY	ARC	PSI	GPM
	Rain Bird 180G-SAM-PRS 15EST	256	EST	30	0.61
	Rain Bird 180G-SAM-PRS 155ST	426	55T	30	1.21
	Rain Bird 180G-SAM-PRS 05Q	3	90	30	0.1
	Rain Bird 180G-SAM-PRS 08H	317	180	30	0.52
	Rain Bird 180G-SAM-PRS 08Q	200	90	30	0.26
	Rain Bird 180G-SAM-PRS 10F	17	360	30	1.58
	Rain Bird 180G-SAM-PRS 10H	128	180	30	0.79
	Rain Bird 180G-SAM-PRS 10Q	91	90	30	0.39
	Rain Bird 180G-SAM-PRS 12F	12	360	30	2.37
	Rain Bird 180G-SAM-PRS 12H	258	180	30	1.3
	Rain Bird 180G-SAM-PRS 12Q	44	90	30	0.65
	Rain Bird 180G-SAM-PRS 15F	9	360	30	3.7
	Rain Bird 180G-SAM-PRS 15H	103	180	30	1.85
	Rain Bird 180G-SAM-PRS 15Q	111	90	30	0.92
	Rain Bird 180G-SAM-PRS 08V	11	Adj	30	≤ 2.88
	Rain Bird 180G-SAM-PRS 10V	9	Adj	30	≤ 2.99
	Rain Bird 180G-SAM-PRS 12V	70	Adj	30	≤ 2.38
	Rain Bird 180G-SAM-PRS 15V	78	Adj	30	≤ 3.67
	Rain Bird 180G-SAM-PRS 18V	39	Adj	30	≤ 5.33
	Rain Bird 1812-SAM-PRS 15EST	377	EST	30	0.61
	Rain Bird 1812-SAM-PRS 155ST	429	55T	30	1.21
	Rain Bird 1812-SAM-PRS 05H	36	180	30	0.2
	Rain Bird 1812-SAM-PRS 05Q	70	90	30	0.1
	Rain Bird 1812-SAM-PRS 08F	4	360	30	1.05
	Rain Bird 1812-SAM-PRS 08H	346	180	30	0.52
	Rain Bird 1812-SAM-PRS 08Q	111	90	30	0.26
	Rain Bird 1812-SAM-PRS 10F	7	360	30	1.58
	Rain Bird 1812-SAM-PRS 10H	189	180	30	0.79
	Rain Bird 1812-SAM-PRS 10Q	143	90	30	0.39
	Rain Bird 1812-SAM-PRS 12F	8	360	30	2.37
	Rain Bird 1812-SAM-PRS 12H	81	180	30	1.3
	Rain Bird 1812-SAM-PRS 12Q	72	90	30	0.65
	Rain Bird 1812-SAM-PRS 15F	2	360	30	3.7
	Rain Bird 1812-SAM-PRS 15H	107	180	30	1.85
	Rain Bird 1812-SAM-PRS 15Q	113	90	30	0.92
	Rain Bird 1812-SAM-PRS 08V	7	Adj	30	≤ 2.88
	Rain Bird 1812-SAM-PRS 10V	8	Adj	30	≤ 2.99
	Rain Bird 1812-SAM-PRS 12V	21	Adj	30	≤ 2.38
	Rain Bird 1812-SAM-PRS 15V	30	Adj	30	≤ 3.67
	Rain Bird 1812-SAM-PRS 18V	92	Adj	30	≤ 5.33
	Each symbol denotes two Rain Bird 1804-SAM-1400 Flood 1401 Bubblers	1,023	360	30	0.5

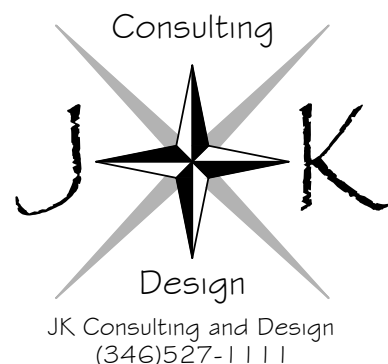
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM
	Hunter PGP-ADJ 01 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Standard Angle Red Nozzle. Lower Precipitation Rate.	3	40	0.6
	Hunter PGP-ADJ 02 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Standard Angle Red Nozzle. Lower Precipitation Rate.	2	40	0.8
	Hunter PGP-ADJ 03 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Standard Angle Red Nozzle. Lower Precipitation Rate.	4	40	1
	Hunter PGP-ADJ 04 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Standard Angle Red Nozzle. Lower Precipitation Rate.	7	40	1.4
	Hunter PGP-ADJ 06 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Standard Angle Red Nozzle. Lower Precipitation Rate.	1	40	2.4
	Hunter PGP-ADJ 08 Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Standard Angle Red Nozzle. Lower Precipitation Rate.	1	40	3.7



LOCATION MAP



Consultants:



Revisions:

- 01/29/2025 60% Submittal
- 04/01/2025 75% Submittal
- 04/16/2025 100% Submittal

THE OAKS AT PALM AIRE
Pompano Beach, Florida

MORGUARD



ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.

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Drawn By: JJ/JK
Drawing #: 1272
File Name: Palm Aire_IR.dwg
Date: 01/03/2024

IRRIGATION PLAN
KEY SHEET

PZ23-12000017
06-25-2025

SHEET #: IR.01