

 SLEEVES: CLASS 200 PVC

 POINT-OF-CONNECTION ASSEMBLY

 **MAINLINE PIPE: CLASS 200 PVC
2-INCH SIZE UNLESS OTHERWISE INDICATED**

 **LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED**

 **LATERAL PIPE TO TREE EMITTERS: CLASS 315 PVC
3/4-INCH SIZE UNLESS OTHERWISE INDICATED**

 UNCONNECTED PIPE CROSSING

 **REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS:
RAIN BIRD PEB PEB-IVM (SIZED PER PLAN)**

 QUICK COUPLING VALVE ASSEMBLY: RAIN BIRD 59C

 ISOLATION GATE VALVE ASSEMBLY: MATCO 514

 FLOW SENSOR ASSEMBLY: RAIN BIRD FS200P

 BACKFLOW PREVENTION ASSEMBLY: FEBCO 825YA (2")

 WATER METER AND CURB STOP ASSEMBLY: BY OTHERS

 MASTER VALVE ASSEMBLY: RAIN BIRD PEB-IVM (2")

 ROSE BIB ASSEMBLY: SUPERIOR 8400

INDICATES CONTROLLER AND STATION NUMBER
INDICATES LATERAL DISCHARGE (GPM)
INDICATES VALVE SIZE (INCHES)
INDICATES LANDSCAPE APPLICATION

(A) IRRIGATION CONTROLLER UNIT
WITH RAINBIRD WZ-R MAIN SENSOR
IQ4 CELL CATRIDGE
RAINBIRD ESP-LXIVM 2 WIRE CONTROLLER

[B] WEATHER SENSOR: CONTACT HINES INC FOR WEATHER SENSOR SPECIFICATION

— C — IRRIGATION CONTROL WIRES IN CONDUIT OR WITH WARNING TAPE

⊙ TREE BUBBLER ASSEMBLY: **TWO (Y) RAIN BIRD 140T BUBBLERS**
PRESSURE: **30 PSI**
FLOW (GPM): **0.25 PER BUBBLER; 0.50 PER ASSEMBLY**

◆ ■ POP-UP SPRAY SPRINKLER: **RAIN BIRD RD1806-S-P30 W/U-SERIES 8 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **8 FEET**
FLOW (GPM): **Q-0.26 H-0.52 F-1.05**

☼ ● POP-UP SPRAY SPRINKLER: **RAIN BIRD RD1806-S-P30 W/U-SERIES 10 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **10 FEET**
FLOW (GPM): **Q-0.41 H-0.82 F-1.64**

▲ ▲ POP-UP SPRAY SPRINKLER: **RAIN BIRD RD1806-S-P30 W/U-SERIES 12 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **12 FEET**
FLOW (GPM): **Q-0.65 H-1.30 F-2.60**

● ● POP-UP SPRAY SPRINKLER: **RAIN BIRD RD1806-S-P30 W/U-SERIES 15 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **15 FEET**
FLOW (GPM): **Q-0.92 H-1.85 F-3.70**

☼ ● POP-UP SPRAY SPRINKLER: **RAIN BIRD RD1806-S-P30 W/U SERIES NOZZLE**
PRESSURE: **30 PSI** RADIUS: **4 FEET X 15 FEET**
FLOW (GPM): **EST-0.61 SST-1.21**

⑥ ⑥ POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM-PRS W/ FIXED U-SERIES NOZZLES**
PRESSURE: **30 PSI** RADIUS: **AS SHOWN**

⑥ ⑥ ⑥ POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM-PRS W/ HE-VAN NOZZLES**
PRESSURE: **30 PSI** RADIUS: **AS SHOWN**

⑥ ⑥ POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM-PRS W/ STRIP SERIES NOZZLES**
PRESSURE: **30 PSI** RADIUS: **AS SHOWN**

POP-UP GEAR DRIVEN ROTORS: RAIN BIRD 5006-SAM-R			
PRESSURE: 45 PSI			
NOZZLE	RADIUS	FLOW	
▲ 1.5	35'	1.54 GPM	
▲ 2.0	37'	2.04 GPM	
▲ 2.5	37'	2.51 GPM	
▲ 3.0	39'	3.09 GPM	
▲ 4.0	42'	4.01 GPM	
▲ 5.0	43'	5.09 GPM	
▲ 6.0	44'	6.01 GPM	
▲ 8.0	44'	8.01 GPM	

This item has been digitally signed and sealed by Jason M. Kruta, P.E. on the date adjacent to the seal.

Signature must be verified on any electronic copies.

 **KEITH**
301 EAST ATLANTIC BLVD.
POMPAN0 BEACH, FL 33060
PH: (954) 788-3400
Florida Engineering Business License: CA7928
Florida Surveyor and Mapper Business License: LB6860
Florida Landscape Architecture Business License: LC26000457

LANDSCAPE ARCHITECT:
MKSK
801 INTERNATIONAL PARKWAY
LAKE MARY, FL 32746
407.871.9607
MKSKSTUDIOS.COM

ARCHITECT:

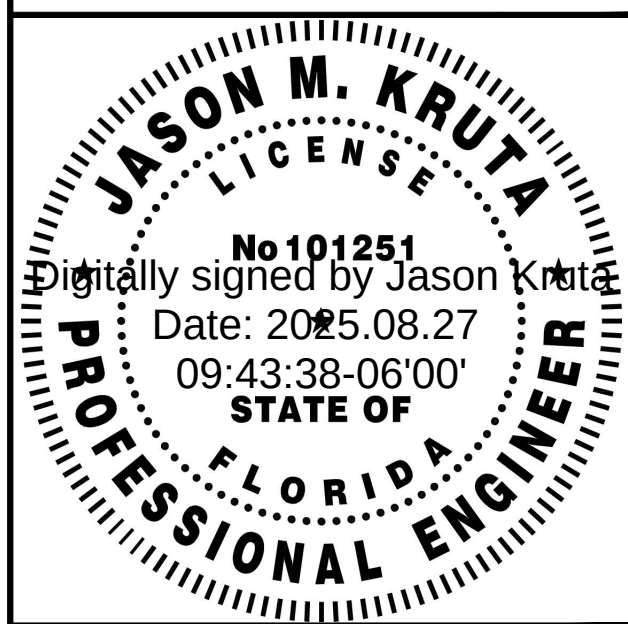
WJ

WANNEMACHER JENSEN ARCHITECTS
815 NORTHWEST 57 AVE. SUITE 219
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727-822-5566
WJARC.COM AA0002277

SGM
ENGINEERING
5301 WATERFORD DISTRICT DR.
SUITE 750
954-421-1944
SGMENGINEERING.COM CA-00006208

[illegible]

ISSUE DATE:	03/27/2025
DESIGNED BY:	HINES
DRAWN BY:	HINES
CHECKED BY:	HINES



CLIENT
**VILLAGE OF
PINECREST**
PINECREST PARKS & RECREATION



PROJECT

SHEET TITLE

IRRIGATION PLAN

SHEET NUMBER	IR-001
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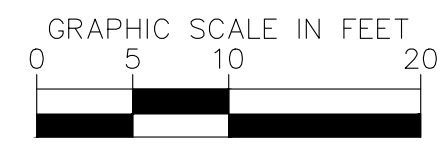
KEITH PROJECT NUMBER	13861.00
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Hines Inc

SITE WATER ENGINEERING SERVICES
323 W. DRAKE RD, SUITE 204
FORT COLLINS, COLORADO 80526
Telephone: 970.282.1800
Web: www.hinesinc.com

STATUS: CONSTRUCTION DOCUMENTS



POP-UP GEAR DRIVEN ROTORS: RAIN BIRD 5006-SAM-R			
PRESSURE: 45 PSI			
	NOZZLE	RADIUS	FLOW
	1.5	35'	1.54 GPM
	2.0	37'	2.07 GPM
	2.5	37'	2.51 GPM
	3.0	39'	3.09 GPM
	4.0	42'	4.01 GPM
	5.0	43'	5.09 GPM
	6.0	44'	6.01 GPM
	8.0	44'	8.01 GPM

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Drawing name: C:\Hines\Inc DropBox\Design\Projects\MKSK Gary Matzner Park\ACADUIR-Gary Matzner Park.dwg
Plotted by: carla_r0czr79 On 8/21/2025 4:34 PM

STATUS: CONSTRUCTION DOCUMENTS

