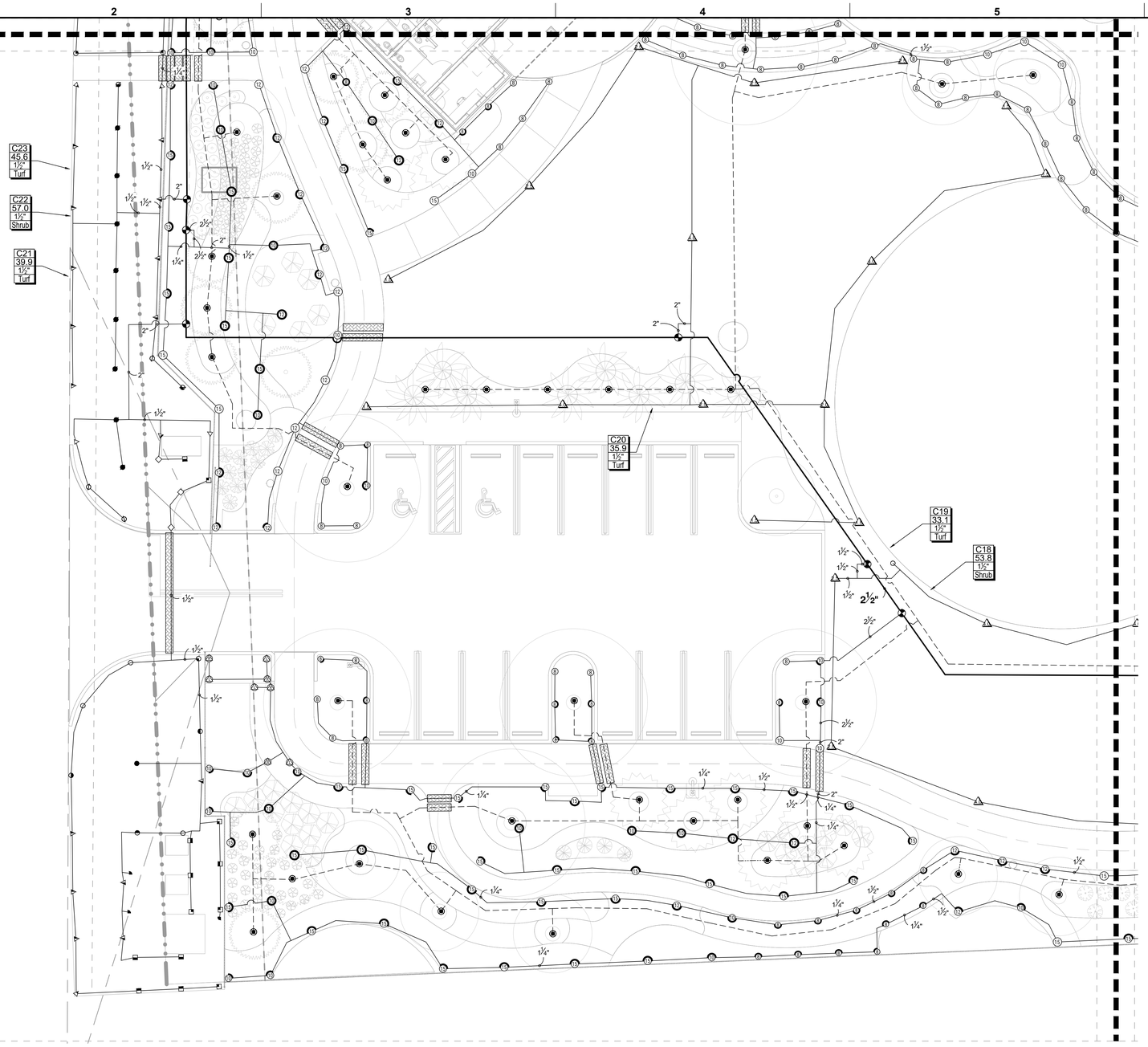

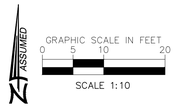

IRRIGATION LEGEND

- 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 5RC**
- 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")**
- HOSE BIB ASSEMBLY: **SUPERIOR B400**

A1 / 14 / 1" / Turf
- INDICATES CONTROLLER AND STATION NUMBER
- INDICATES LATERAL DISCHARGE (GPM)
- INDICATES VALVE SIZE (INCHES)
- INDICATES LANDSCAPE APPLICATION

- IRRIGATION CONTROLLER UNIT
  WITH **RAINBIRD WR2 RAIN SENSOR**
  IQ4 CELL CATRIDGE
  RAINBIRD ESP-LXIVM 2 WIRE CONTROLLER
- 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 1401 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**
- POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM-PRS W/ FIXED U-SERIES NOZZLE**
  PRESSURE: **30 PSI** RADIUS: **AS SHOWN**
- POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM-PRS W/ HE-VAN NOZZLES**
  PRESSURE: **30 PSI** RADIUS: **AS SHOWN**
- 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'	2.07 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

PROJECT LEAD & CIVIL ENGINEERING:
KEITH
301 EAST ATLANTIC BLVD.
POMPANO 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:
WANNEMACHER JENSEN ARCHITECTS
815 NORTHWEST 57 AVE. SUITE 219
MIAMI, FLORIDA 33126
727-822-5566
WJARC.COM AA0002277

MECHANICAL, PLUMBING, & ELECTRICAL ENGINEERING:
SGM ENGINEERING
5301 WATERFORD DISTRICT DR.
SUITE 750
954-421-1944
SGMENGINEERING.COM CA-00006208

REVISIONS

NO.	DESCRIPTION	DATE
	ISSUED FOR BUILDING PERMIT	11/21/2024

ISSUE DATE:	11/21/2024
DESIGNED BY:	HINES
DRAWN BY:	HINES
CHECKED BY:	HINES

THOMAS F. DONAHUE, P.E.
FLORIDA REG. NO. 60529
(FOR THE FIRM)

CLIENT
VILLAGE OF PINECREST
PINECREST PARKS & RECREATION

PROJECT

SHEET TITLE
IRRIGATION PLAN

SHEET NUMBER **IR-003**

KEITH PROJECT NUMBER **13861.00**

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

Drawing name: C:\Hines Inc Dropbox\Design\Projects\MKSK\Gary Matzner Park\ACAD\IR-Gary Matzner Park.dwg

Plotted by: carla_i9czr79 On 11/21/2024 8:55 AM