

GENERAL IRRIGATION NOTES

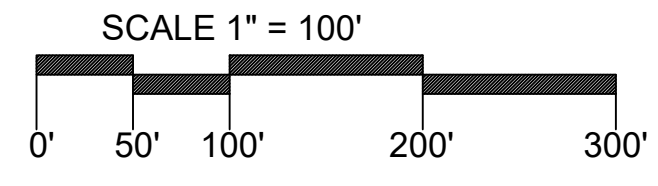
- All mainline and lateral line piping and control wires under paving shall be installed in separate sleeves. main and lateral line sleeves shall be a minimum of twice (2x) the diameter of the pipe to be sleeved. Control wire sleeves shall be sufficient size for the required number of wires under paving.
- Pipe sizes shall conform to those shown on the drawings. No substitutes of smaller pipe sizes shall be permitted but substitutions of larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said rejection.
- All sprinkler heads shall be set perpendicular to finished grade unless otherwise specified.
- The irrigation contractor shall flush and adjust all sprinkler heads and valves for optimum coverage with minimal overspray onto walks, streets, walls, etc.
- Irrigation heads shall be a minimum of 12" from buildings.
- This drawing sheet is diagrammatic and for reference only. All piping, valves, etc. shown within paved areas are for design clarification only and shall be installed in planting areas whenever possible. The contractor shall locate all valves in shrub areas where possible.
- It is the responsibility of the irrigation contractor to familiarize himself with all grade differences, location of walls, structures and utilities. The irrigation contractor shall repair or replace all items damaged by his work. He shall coordinate his work with other contractors for the location and installation of pipe sleeves through walls, under roadways and paving, etc.
- Do not willfully install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences, water levels or differences

- In the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of owners representative. In the event this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.
- All sprinkler equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
- The contractor shall provide (Pressure Compensating Screens) as necessary to reduce or eliminate over spray into streets, walks or other areas as dictated by the owner's authorized representative.
- All remote control valves, gate valves, quick couplers and control wire splices shall be installed in approved valve boxes with locking covers. All shall be marked indicating controller and station numbers for control valve.
- Contractor to provide the Owner with a complete irrigation design in compliance with Owners program.
- Irrigation system shall be designed for complete coverage of plant material and sports turf.
- The sprinkler system to be based on a minimum operating pressure of 80 PSI. The irrigation contractor shall verify water pressures, flows, elevations, and other requirements prior to construction. Report any differences between the water pressure and flows indicated on drawings and the actual pressure reading at the irrigation point of connection to the owners authorized representative.
- Installer shall conduct final testing and adjustments to achieve design specifications prior to completion of the system and acceptance by the owner or owner's representative.
- The installer shall provide property owners and users with

- post-construction documentation, including as-constructed drawings, recommended maintenance activities and schedules, operational schedule, design precipitation rates, instructions on adjusting the system to apply less water after the landscape is established, maintenance schedule, water source, water shut-off method, and the manufacturer's operation guide for the irrigation controller. To the extent feasible, similar information should be made available for subsequent property transfers.
- Any changes and/or modifications to the water source shall require appropriate adjustments to the system design.
- The contractor shall be responsible for providing all County required permits. Water use permit shall be obtained by the County.
- Plan prepared for development order permitting only. Refer to Owners construction documents for complete irrigation system design.
- Irrigation water source shall be from a proposed irrigation VFD Drive pump to withdraw water from lake.
- 6" Irrigation recharge well per SFWMD permit.
- All code plantings to be irrigated.
- Irrigation manufacturers are listed to establish minimum performance standards. Substitutions must be authorized by Lee County.
- Irrigation system shall be a conventional wire system, unless specifically approved by Lee County at time of bidding.

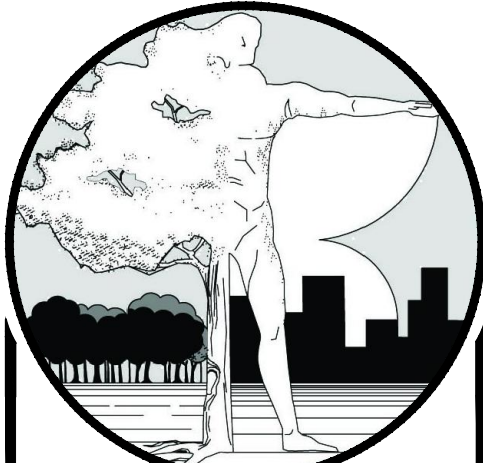
MASTER IRRIGATION PLAN

PIPE SIZING CHART		PIPE SIZING CHART	
GPM	SIZE	GPM	SIZE
0-10	3/4"	1-8	3/4"
11-16	1"	9-13	1"
17-26	1-1/4"	14-22	1-1/4"
27-36	1-1/2"	23-30	1-1/2"
37-55	2"	31-50	2"
56-80	2-1/2"	51-70	2-1/2"
81-110	3"	71-110	3"
111-190	4"	110-190	4"
191-420	6"	191-440	6"



ADDENDA MARK UP FOR ADDED IRRIGATION HEAD LOCATIONS. SEE SHEETS IR2 AND IR3 FOR REVIEW APRIL 17, 2024

Flows shall maintain velocities of less than 5 feet per second



DMJA

DAVID M. JONES, JR.
AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
AND PLANNERS

2221 McGregor Blvd.
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4161 Tamiami Trail, Bldg. 5, Unit 501
Punta Gorda, Florida 33950
PHONE: (941) 639-2450
FAX (941) 639-2438
L.A. LICENSE: LC 000063

PROJECT INFORMATION:

LEHIGH ACRES COMMUNITY PARK EXPANSION

Lehigh Acres, Florida

PREPARED FOR:
Lee County Facilities Construction & Management
Lee County Parks & Recreation

CONSULTANT:

DESIGN PROFESSIONAL:

GREGORY J. DISERIO, RLA
RLA NO. 840 DATE
STATE OF FLORIDA

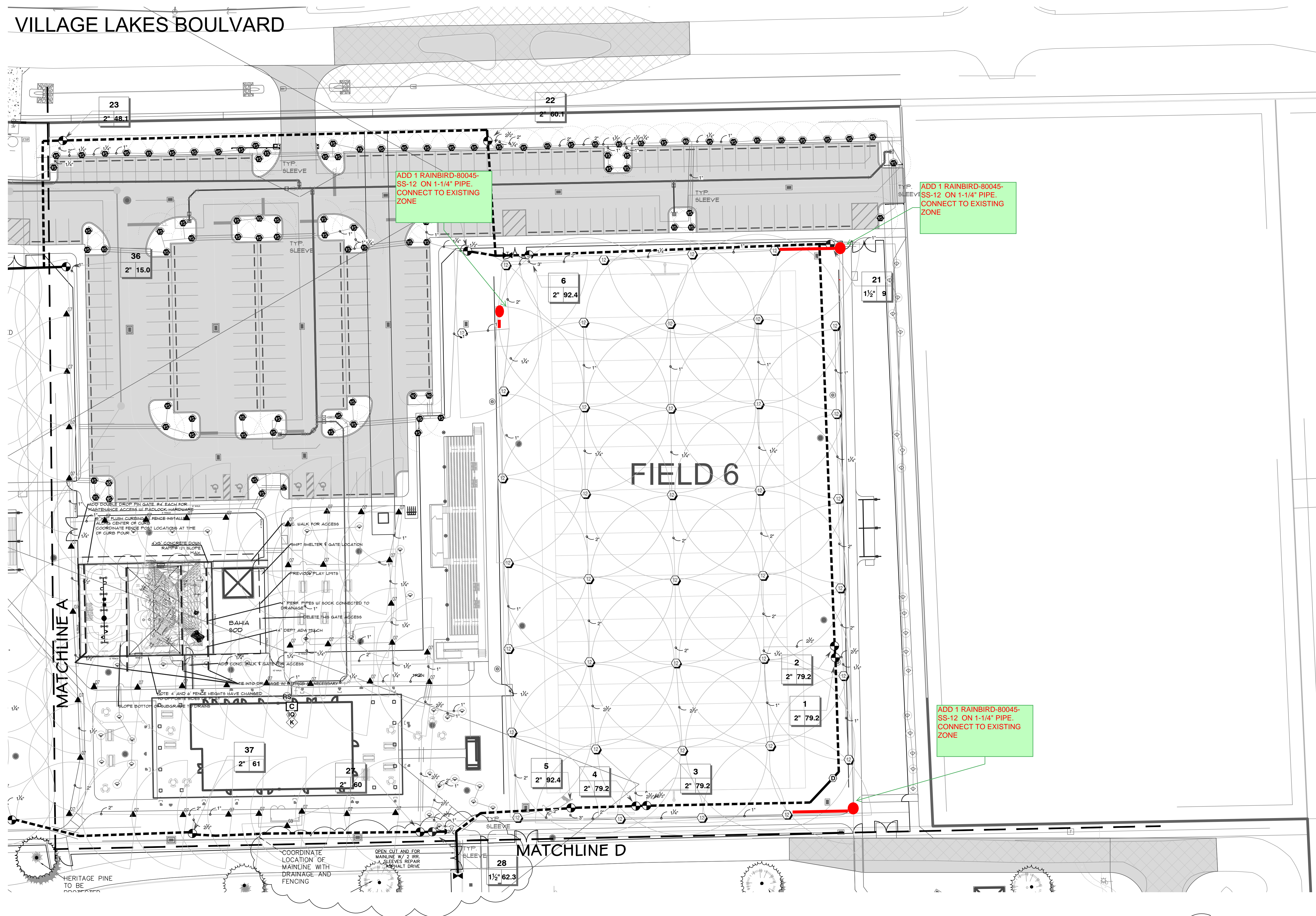
PROJECT NO. 220072
PROJECT MGR. Greg Diserio
FILE NAME: LEHIGH PARK EXP
DESIGNER: GJD
CAD TECH:
CHECKED BY:
ISSUED FOR: 100% DOCUMENTS

ISSUED DATE: JAN. 31, 2022
REVISIONS:
PR#5 2.9.23 IRR. PUMP/MAINLINES

SHEET TITLE:
MASTER IRRIGATION PLAN

SHEET NUMBER:
IR 1.0

VILLAGE LAKES BOULEVARD

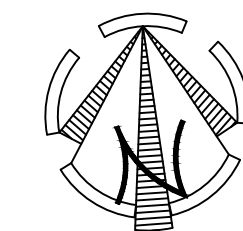
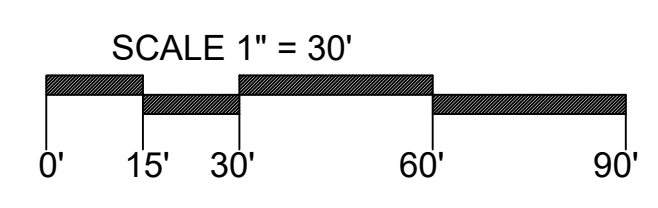


ADD 1 RAINBIRD-80045-SS-12 ON 1-1/4" PIPE. CONNECT TO EXISTING ZONE

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IRRIGATION PLAN



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**LEHIGH ACRES
COMMUNITY
PARK
EXPANSION**

Lehigh Acres,
Florida

PREPARED FOR:
Lee County
Facilities Construction
& Management

Lee County
Parks &
Recreation

CONSULTANT:

DESIGN PROFESSIONAL:

GREGORY J. DISERIO, RLA
RLA NO. 840 DATE
STATE OF FLORIDA

PROJECT NO.	220072
PROJECT MGR.	Greg Diserio
FILE NAME:	LEHIGH PARK EXP
DESIGNER:	GJD
CAD TECH:	
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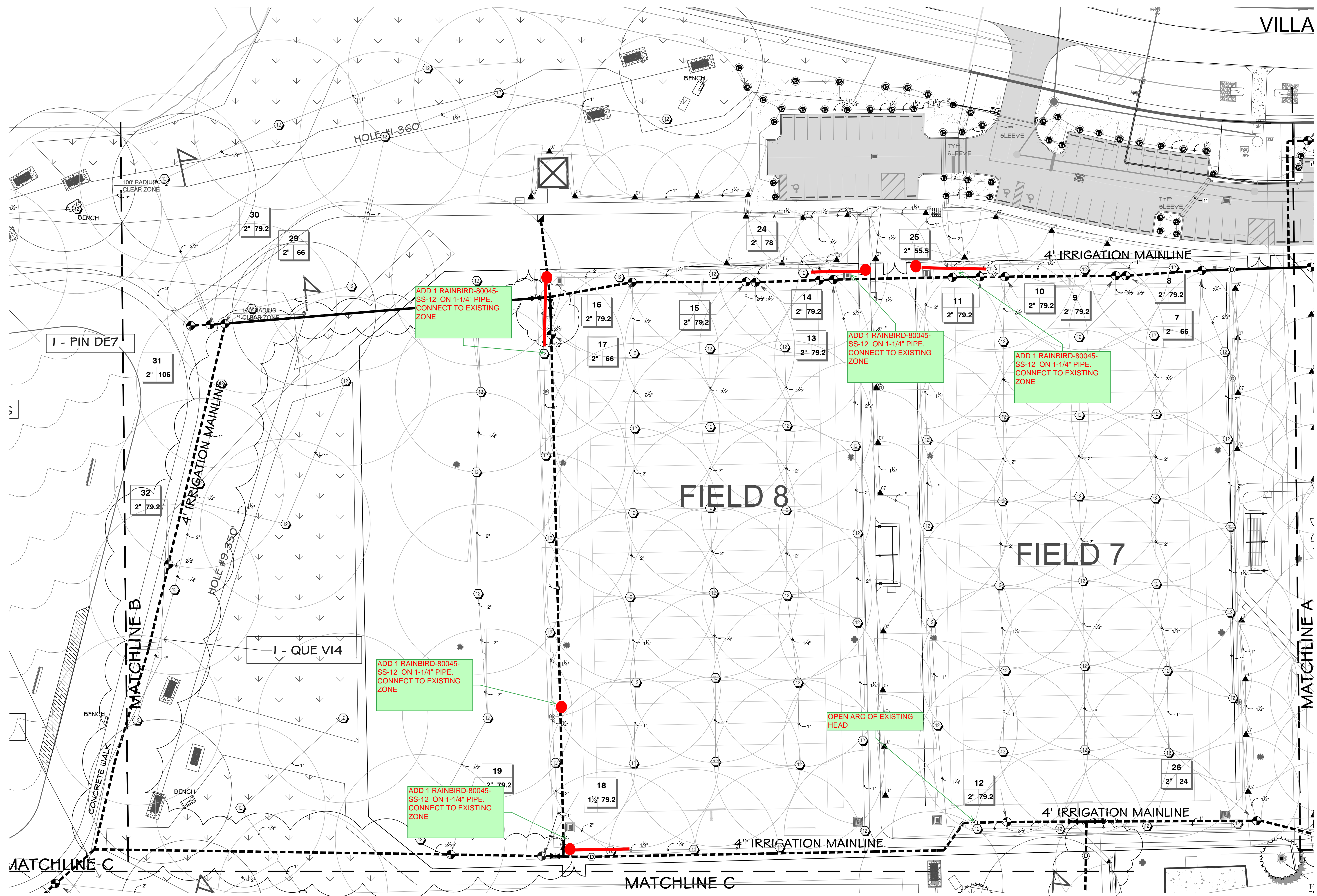
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SHEET TITLE:

**IRRIGATION
PLAN**

SHEET NUMBER:

IR 2.0



VILLA



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Florida

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SHEET TITLE:

**IRRIGATION
PLAN**

SHEET NUMBER:

IR 3.0

IRRIGATION PLAN

