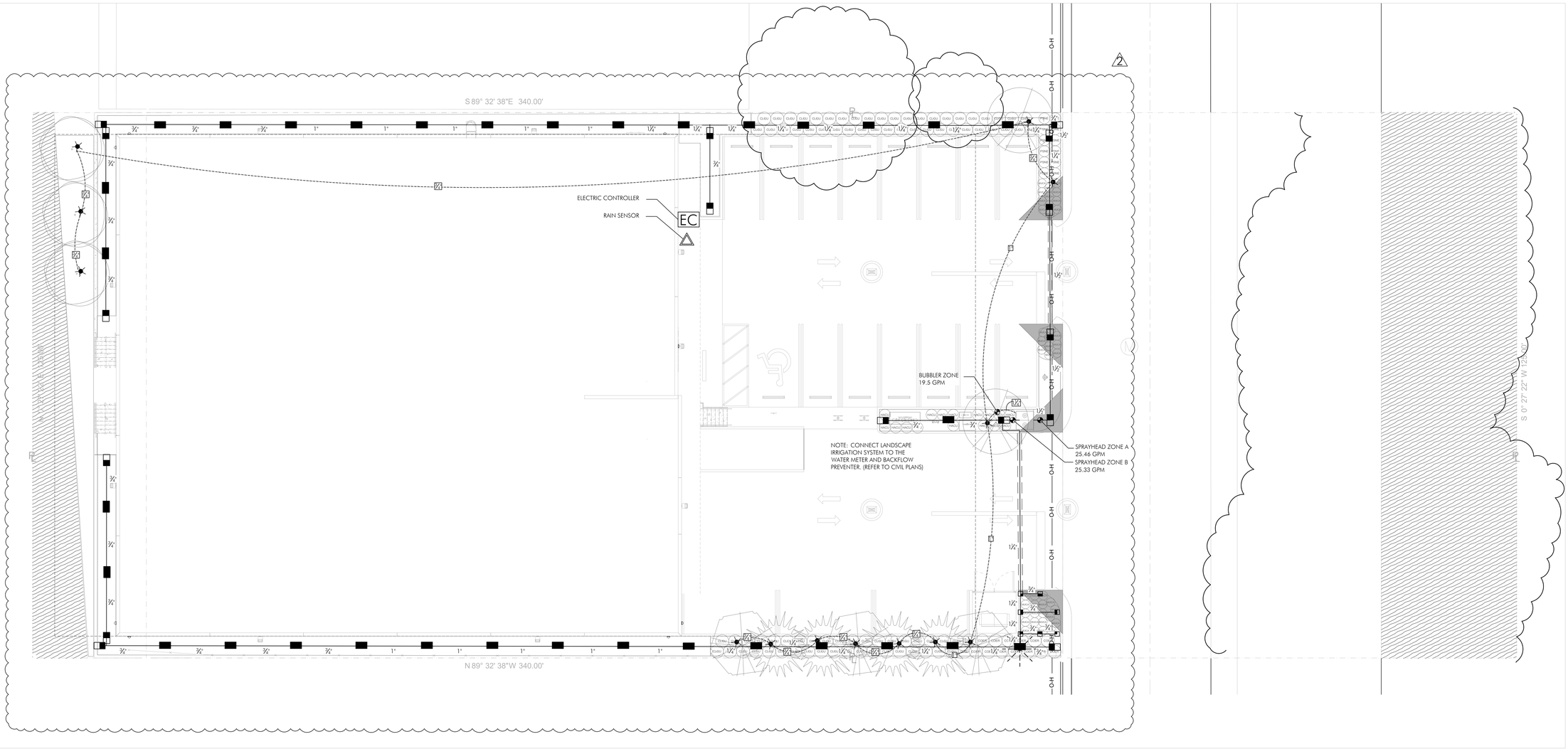

*NOTES:
-All main, lateral, and valve locations are shown schematically and shall be adjusted in the field. Locate mains and laterals in landscape areas (preferably at edges of curbs or walks.)
-Group and locate valve at edges of shrub beds where feasable.
-Install pipe sleeves in all areas where pipe runs under hardscape and between planters.

IRRIGATION MATERIALS LIST

KEY	ITEM	QTY.
	PVC laterals shall be Class 200 PVC (sized as shown on plans)	as required
	MAIN shall be Class 200 PVC	as required
	Bubbler Zone Piping	as required
	PVC sleeves shall be Class 200 PVC (sized double the width of the pipe within, installed wherever pipe runs under hardscape)	as required
	Flexible PVC or Polypipe (for swing joints)	as required
M/M	Water Meter and Backflow Prevention Assembly (See Civil Plans)	1
EC	Electric Controller RAINBIRD ____ Series Controller	1
	Rainbird RSD Series Rain Sensor (locate in area of free rainfall)	1
	RAINBIRD 200-PESB 2" Electromechanical Solenoid Control Valve	3
	Irrigation Control Wire	as required
	RAINBIRD Spray Heads 1800 @ 30 PSI Series w/MPR nozzles 6" pop-up in grass areas 12" pop-up on risers in shrub beds	as required
	15-cst (1.21 gpm)	
	15-est (.61 gpm)	
	5-F (.41 gpm)	
	5-TQ (.33 gpm)	
	5-H (.20 gpm)	
	5-T (.13 gpm)	
	5-Q (.10 gpm)	
	RAINBIRD 1300A-F Adjustable Flood Bubbler 1300A-F (1.5 gpm)	as required

LATERAL PIPE SIZING

The Contractor is responsible to properly size all laterals. All laterals shall be sized according to the following schedule. Total gallonage per pipe section shall be calculated be adding the GPM per head for every head downstream of the pipe.

CLASS 200 PVC PIPE SIZING CHART

SIZE	GPM
¾"	0-8 GPM
1"	8-14 GPM
1¼"	14-24 GPM
1½"	24-32 GPM
2"	32-50 GPM
2½"	50-75 GPM
3"	60-110 GPM
4"	110-190 GPM

GARDNER + SEMLER
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IRRIGATION PLAN 1 L3.1
SCALE: 1" = 10'

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FINGER LAKE WAREHOUSE

2100 NW 95 AVE DORAL, FL 33172

DATE:	07.10.24
DRAWN BY:	R.X.
DESIGNED BY:	K.G.
REVIEWED BY:	K.G
PROJECT NO.	24-0012

REVISIONS

No.	DESCRIPTION	Date
1	REVISION 1	02-24-2025
2	REVISION 2	05-14-2025

KEN GARDNER
FL LA #1569

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed by Ken Gardner
DN: c=US, st=Florida, serialNumber=AATL2024020833 5601, o=GSLA Design, cn=Ken Gardner, email=ken@gsladesign.com
Date: 2025.05.14 13:49:26 -04'00'

SEAL

IRRIGATION PLAN

L3.1