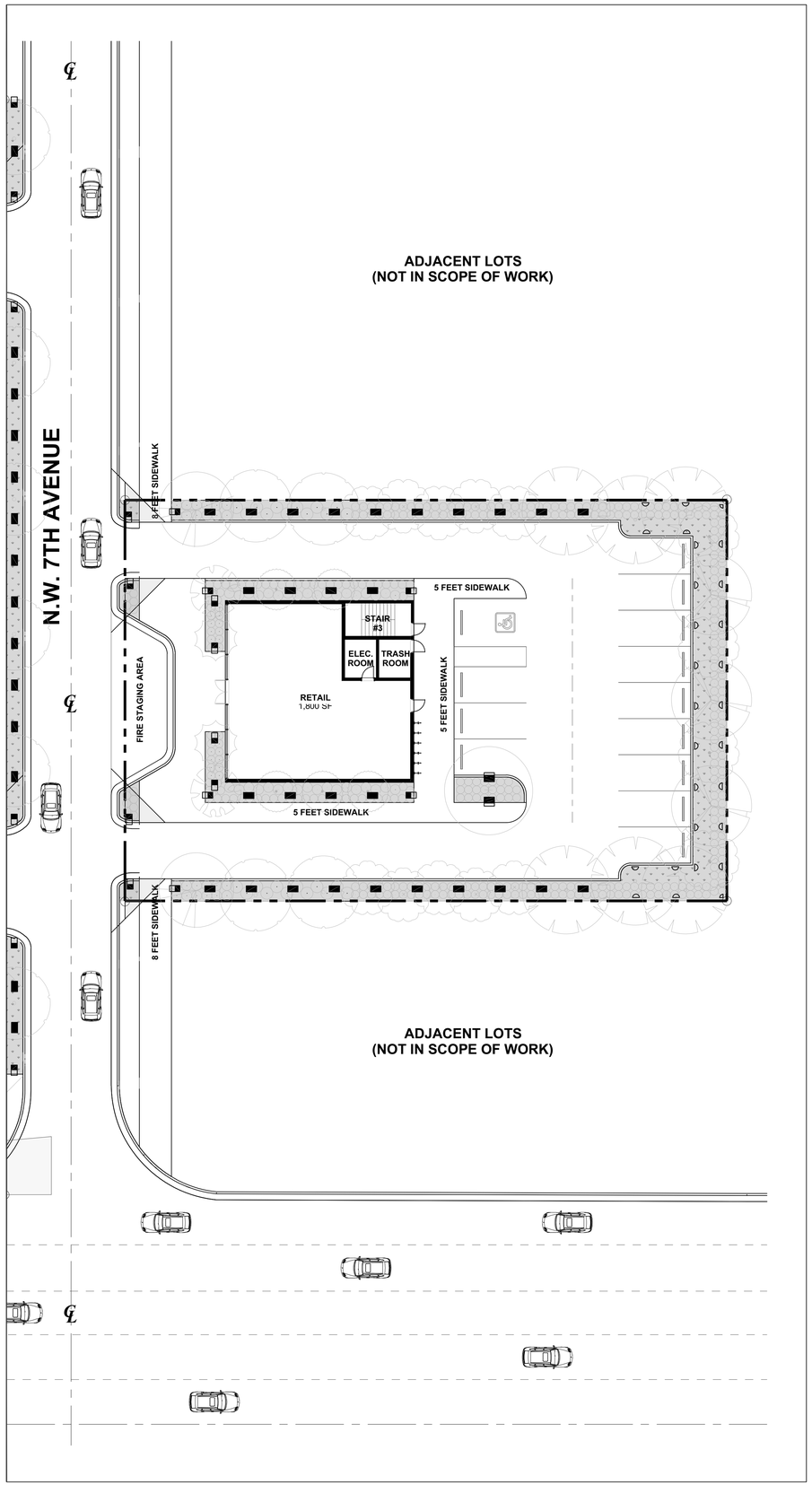


IRRIGATION MATERIALS LIST

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
WM	Water Meter and Backflow Prevention Assembly (See Civil Plans)	1
EC	Electric Controller RAINBIRD Multi-Station Controller	1
	Rainbird RSD Series Rain Sensor (locate in area of free rainfall)	1
	RAINBIRD 200-PESB 2" Electromechanical Solenoid Control Valve	#
	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-F (3.7 gpm)	
	15-TQ (2.78 gpm)	
	15-H (1.85 gpm)	
	15-T (1.23 gpm)	
	15-Q (.92 gpm)	
	15-sst (1.21 gpm)	
	15-cst (1.21 gpm)	
	15-est (.61 gpm)	
	9-sst (1.73 gpm)	
	10-F (1.58 gpm)	
	10-TQ (1.18 gpm)	
	10-H (.79 gpm)	
	10-T (.53 gpm)	
	10-Q (.39 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

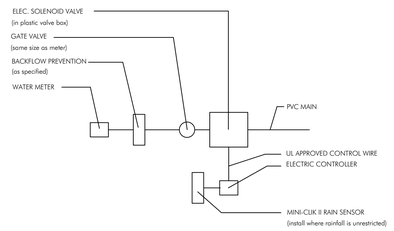
LATERAL PIPE SIZING

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

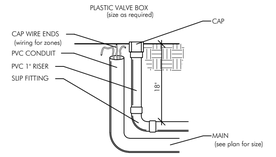
SIZE	GPM
¾"	0-8 GPM
1"	8-14 GPM
1¼"	14-24 GPM
1½"	24-32 GPM
2"	32-50 GPM
2½"	50-75 GPM
3"	60-110 GPM
4"	110-190 GPM

NOTES:
- IRRIGATION VALVES, MAINS AND LATERALS DRAWN SCHEMATICALLY. LOCATE IN LANDSCAPE AREAS WHEREVER POSSIBLE.
- ALL PIPING AND WIRING UNDER HARDSCAPE IS TO BE INSTALLED IN SCH. 80 PVC SLEEVES 2X THE SIZE OF THE PIPE WITHIN.
-NO IRRIGATION PIPING SHALL BE DONE WITHIN ANY EXISTING TREE DRIPLINE AREAS.



CONNECTION TO METER DETAIL

N.T.S.



DETAIL OF STUB-OUT FOR FUTURE USE

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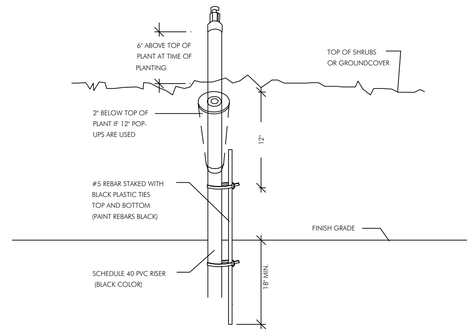
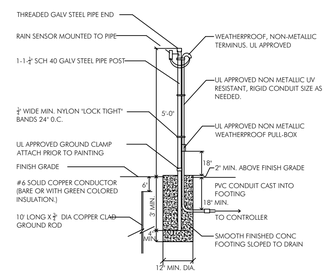


SPRINKLER ON RISER DETAIL FOR SHRUB AREAS

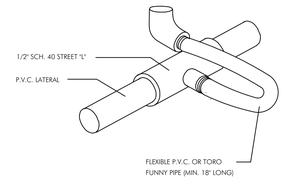
N.T.S.

NOTE:
ALL WIRE CONNECTIONS SHALL BE APPROVED WATERTIGHT CONNECTIONS.
FINISH ENTIRE ASSEMBLY, EXCEPT FOR EQUIPMENT, WITH FLAT BLACK ACRYLIC ENAMEL PAINT.
PRIME METALLIC SURFACES WITH ZINC CHROMATE PRIOR TO FINISHING.



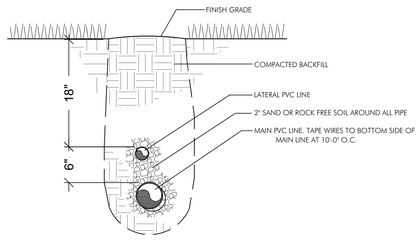
RAIN SENSOR DETAIL

N.T.S.



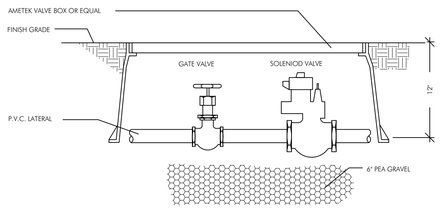
FLEXIBLE SWING JOINT DETAIL

N.T.S.



TRENCH DETAIL

N.T.S.



TYPICAL SOLENOID VALVE ASSEMBLY

N.T.S.

GARDNER + SEMLER
LANDSCAPE ARCHITECTURE
WWW.GSLADESIGN.COM

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MIAMI, FL 33015
P 305.392.1016 F 305.392.1019
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REV.

TITLE
EAST
IRRIGATION PLAN

Digitally signed by Taylor Kiehl Semler
DN: c=US, st=Florida, l=Miami, serialNumber=(BATL202401 24333097, ou=Landscape Architecture LA 6667205, o=GSLA DESIGN, INC., cn=Taylor Kiehl Semler, email=taylor@gsladesign.com
Date: 2024.03.27 10:43:04 -04'00'

FL LA #1569
FL LA #6667205

DATE 3.27.2024

SCALE as noted

PAGE LA.301

N

IRRIGATION PLAN - EAST LA.301

64' 32' 16' 0
SCALE: 1/16" = 1'-0"

DRC
PZ23-12000048
07/03/2024