

IRRIGATION LEGEND & PRODUCT SPEC - MUST USE RAINBIRD PRODUCTS

SYMBOL:	PRODUCT:	SPECIFICATION:
	IRRIGATION METER	SEE CIVIL PLANS; PROVIDED BY THE GENERAL CONTRACTOR
	BACKFLOW PREVENTER	AS REQUIRED BY CITY; SEE CIVIL PLANS
	1" ELECTRICAL MASTER VALVE	1 REQUIRED
	1" PRESSURE REGULATOR	AS REQUIRED
	1" MANUAL SHUTOFF VALVE	1 REQUIRED
	LANDSCAPE DRIPLINE	RAINBIRD XFD-06-18
	SPRAY: RVAN SIDE STRIP NOZZLE	RAINBIRD RD1800-S-P45-RVANLCS or (RCS)
	SPRAY: RVAN LEFT/RIGHT CORNER END STRIP NOZZLE	RAINBIRD RD1800-S-P45-RVANSST
	SPRAY: RVAN14 NOZZLE - 45°-270° SPRAY - 8'-14" RADIUS	RAINBIRD RD1800-S-P45-R-VAN14
	SPRAY: RVAN18 NOZZLE - 360° SPRAY - 13'-18" RADIUS	RAINBIRD RD1800-S-P45-R-VAN18-360
	SPRAY: RVAN18 NOZZLE - 45°-270° SPRAY - 13'-18" RADIUS	RAINBIRD RD1800-S-P45-R-VAN18
	SPRAY: RVAN24 NOZZLE - 360° SPRAY - 17'-24" RADIUS	RAINBIRD RD1800-S-P45-R-VAN24-360
	SPRAY: RVAN24 NOZZLE - 45°-270° SPRAY - 17'-24" RADIUS	RAINBIRD RD1800-S-P45-R-VAN24
	ROTOR: MPR NOZZLE - 360° SPRAY - 25',30',35" RADIUS	RAINBIRD 5000-R-MPR-F25/30/35 (as indicated at the head)
	ROTOR: MPR NOZZLE - 180° SPRAY - 25',30',35" RADIUS	RAINBIRD 5000-R-MPR-H25/30/35 (as indicated at the head)
	ROTOR: MPR NOZZLE - 90° SPRAY - 25',30',35" RADIUS	RAINBIRD 5000-R-MPR-Q25/30/35 (as indicated at the head)
	ROTOR: 3.0 NOZZLE - 90° SPRAY	RAINBIRD 5000-PC-PRS w/3.0 NOZZLE
	ROTOR - 6.0 NOZZLE - 180° SPRAY	RAINBIRD 5000-PC-PRS w/6.0 NOZZLE
	1" ELECTRIC VALVE	RAINBIRD 100-PGA
	1" DRIP CONTROL ZONE VALVE	RAINBIRD XCZ-100-PRB-COM
	AUTOMATIC CONTROLLER	RAINBIRD ESP-ME3 (120V required); expansion modules as needed
	RAIN/FREEZE SENSOR	RAINBIRD WR2-RFC
	1" LATERAL LINE	CLASS 200 PVC IRRIGATION PIPE AND FITTINGS - 1" LATERAL LINES
	1.5" MAINLINE	CLASS 200 PVC IRRIGATION PIPE AND FITTINGS - 1.5" MAINLINE
	IRRIGATION SLEEVE - 4" SCH 40 PVC	4" SCH 40 PVC SLEEVE UNDER PAVEMENT installation of sleeves by contractor in location as shown on plan.

IRRIGATION NOTES

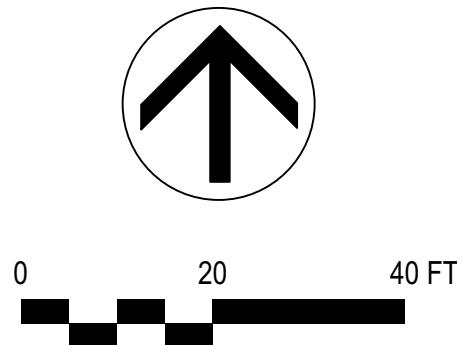
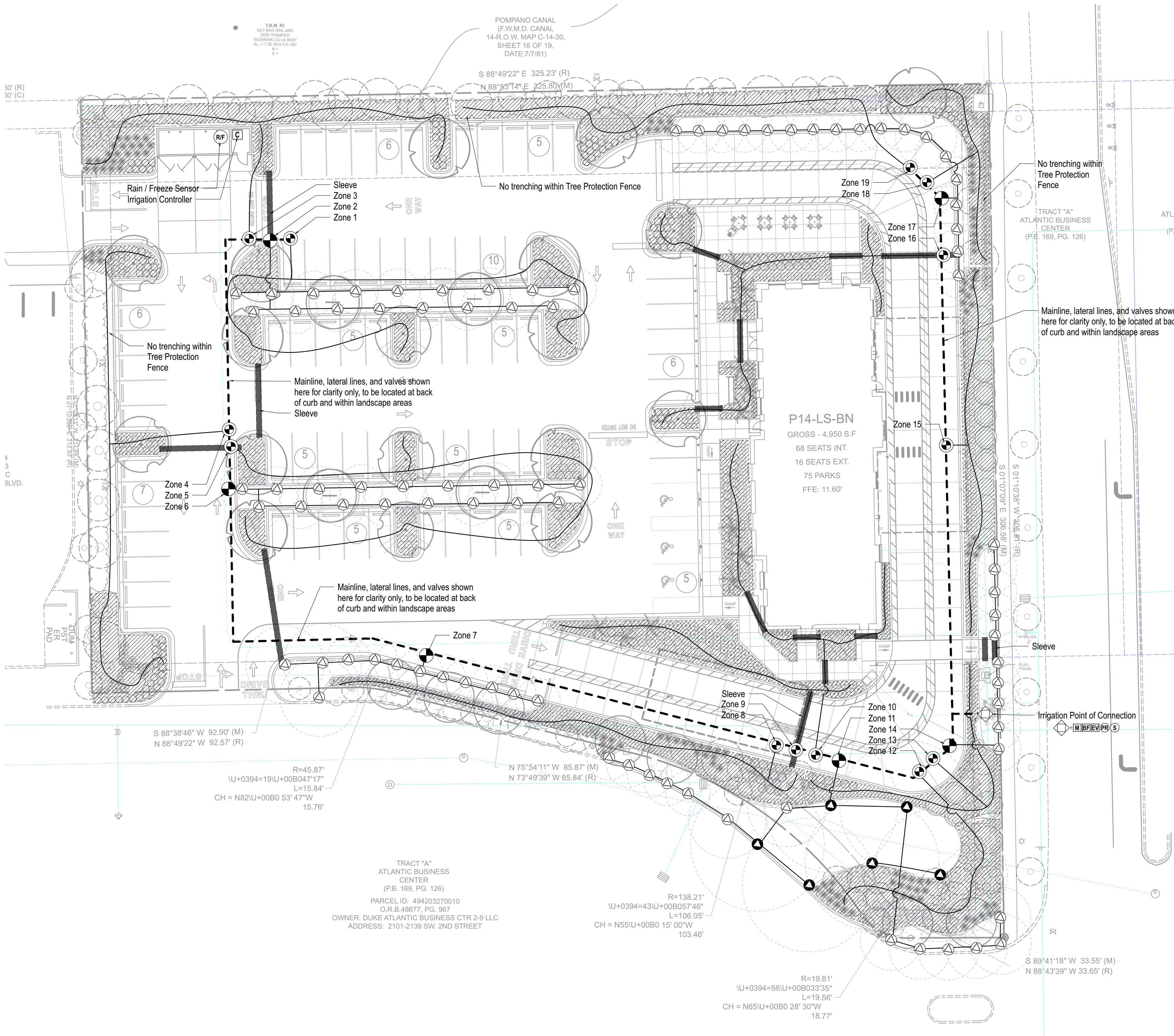
- Irrigation contractor is responsible for locating and protecting all underground utilities prior to trenching.
- Pressure regulator required by local code if static water pressure at point of connection for site is greater than 80 psi.
- Irrigation meter and backflow preventor to be provided by the General Contractor.
- All valves to be located in valve box with cover, at grade.
When possible, locate box in grassed area.
Valve box shall be lined with a min. 3" depth, 3/4" washed stone.
- Automatic controller to be located in the storage room; 120VAC required.
Rain/freeze sensor shall be located on the trash enclosure respectively.
Rain/freeze Sensor to be located free from obstructions and exposed to the elements.
- All pipes, automatic valves, backflow preventor, manual valve and meter to be located within property lines. Shown outside on drawing for clarity only.
45 psi required per rotor station, 30 psi required per spray station, 40 psi required per drip station. All spray and rotor bodies to have PRS (In-stem pressure regulation) as indicated in the legend.
- Pop-up height as follows: 4" or 6" in Turf Zones, 12" in Shrub Zones, and 12" in Seasonal/color beds.
- RainBird MPR 5000 Rotor Nozzle size is indicated on each individual symbol used on the drawing; Contractor must install nozzles types as indicated.
- Sleeves to be located and exposed by the General Contractor prior to start of irrigation installation.
4" SCH 40 PVC sleeves; locations as shown on drawing.
Extend sleeve 18" beyond back of curb or pavement.
- 1.5" mainlines (class 200 PVC pipe) shall have a minimum 18" of cover.
- Lateral and sub-main pipe, (class 200 PVC pipe) shall have a minimum 12" and maximum of 18" cover.
- No rocks, boulders, or other extraneous materials shall be used in backfilling trenches.
- Threaded joints to be coated with Teflon Tape or Liquid Teflon.
- All lines to be thoroughly flushed before installation of irrigation heads.
- Contractor must use products specified on this drawing, unless otherwise approved by the Landscape Architect.
Refer to the drawing and the Irrigation Legend for product specs.
- The Irrigation System is to be installed as designed; unless otherwise approved by the Landscape Architect.
- All pipe, valves, drip, spray heads, rotors, controllers, and sensors are to be installed as per manufacturers specifications. For any RainBird products or installation questions call Donn Mann (520)-904-1146.
- Irrigation Contractor shall provide an Irrigation As-Built drawing to the Landscape Architect. This drawing shall be sent overnight within 24 hours of installation completion.
- Prior to opening, but no later than one week after opening, the Irrigation Contractor shall perform an irrigation walk-thru inspection with the Store Operator. System shall be fully functional prior to walk-thru inspection.

IRRIGATION CONTROLLER ZONES

ZONE	GPM
1.	DRIP
2.	10.09
3.	DRIP
4.	DRIP
5.	DRIP
6.	10.09
7.	6.63
8.	DRIP
9.	DRIP
10.	DRIP

ZONE	GPM
11.	16.19
12.	DRIP
13.	DRIP
14.	5.06
15.	DRIP
16.	DRIP
17.	10.72
18.	DRIP
19.	DRIP

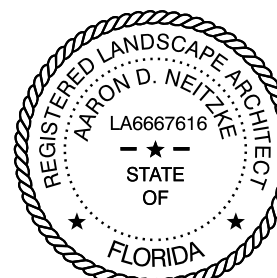
*zones are calculated based on output of products utilized in the design and as specified in the legend.



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REVISION SCHEDULE

NO. DATE BY DESCRIPTION

MLD PROJECT #	2023145
PRINTED FOR	PERMIT
DATE	8/3/23
DRAWN BY	KCN

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SHEET
Irrigation Plan

PERMIT
SHEET NUMBER
PZ23-12000037
10/04/2023