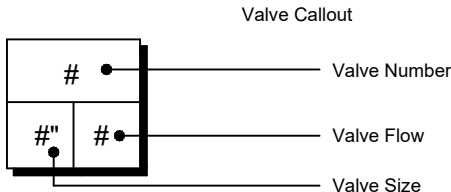


IRRIGATION SCHEDULE IRRIGATION

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	11	30	
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	52	30	
	Rain Bird 1800-PA-8S-PRS 15 Strip Series Shrub Spray on fixed riser with the PA-8S-PRS Pressure Regulating Shrub Adapter. Use with 1/2" MPT threaded risers.	8	30	
	Rain Bird 1800-PA-8S-PRS ADJ Shrub Spray on fixed riser with the PA-8S-PRS Pressure Regulating Shrub Adapter. Use with 1/2" MPT threaded risers.	41	30	
	Rain Bird 1800-5 Series Stream Stream Bubbler on fixed riser.	38	15	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		DETAIL
	Rain Bird PEB-PRS-D 1-1/2" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulator Module.	7		
	Febco 825Y 1" Reduced Pressure Backflow Preventer	1		
	Rain Bird RZX6 6 Station Controller, Outdoor.	1		
	Rain Bird RSD-BEX Rain Sensor, with metal latching bracket, extension wire.	1		
	Water Meter 1" 1" WATER METER	1		
	Irrigation Lateral Line: PVC Schedule 40 1/2"	842.8 lf		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	355.2 lf		
	Irrigation Lateral Line: PVC Schedule 40 1"	180.1 lf		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	211.7 lf		
	Irrigation Lateral Line: PVC Schedule 40 1 1/2"	51.0 lf		
	Irrigation Mainline: PVC Schedule 40-NP 1"	76.4 lf		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	49.0 lf		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/2"	305.8 lf		
	Pipe Sleeve: PVC Schedule 40	5.4 lf		
	Pipe Sleeve: PVC Schedule 40 2 1/2"	253.3 lf		
	Pipe Sleeve: PVC Schedule 40 3"	50.0 lf		



CRITICAL ANALYSIS

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P.O.C. NUMBER: 01
Water Source Information: 1" WATER METER

FLOW AVAILABLE
Water Meter Size: 1"
Flow Available: 19.62 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 60 PSI
Elevation Change: 5.00 ft
Service Line Size: 1"
Length of Service Line: 20 ft
Pressure Available: 56 PSI

DESIGN ANALYSIS
Maximum Station Flow: 19.08 GPM
Flow Available at POC: 19.62 GPM
Residual Flow Available: 0.53 GPM

Critical Station: 5
Design Pressure: 30 PSI
Friction Loss: 2.71 PSI
Fittings Loss: 0.27 PSI
Elevation Loss: 0 PSI
Loss through Valve: 3.9 PSI
Pressure Req. at Critical Station: 36.9 PSI
Loss for Fittings: 0 PSI
Loss for Main Line: 2.97 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 11.3 PSI
Loss for Water Meter: 1.87 PSI
Critical Station Pressure at POC: 53.0 PSI
Pressure Available: 56 PSI
Residual Pressure Available: 3.01 PSI

NOTE:
1. Irrigation system shall provide 100% coverage with 50% overlap



FOLIAGE
EXPRESSIONS
8801 SW 192nd Terrace,
Cutler Bay, FL 33157



ECO POMPANO TOWNHOMES
3225 NE 5TH STREET
POMPANO BEACH FLORIDA 33062

DISTRIBUTION:	DATE:
SITE PLAN COMMENTS	07-06-24
SITE PLAN COMMENTS	11-10-24
SITE PLAN COMMENTS	07-11-25

DRAWING NAME:
IRRIGATION
PLAN

DRAWING NUMBER:
L-300