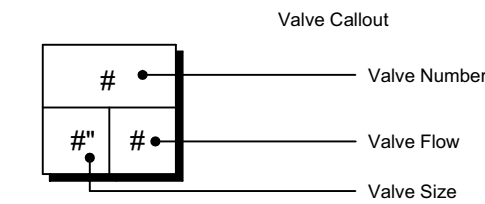


IRRIGATION SCHEDULE IRRIGATION				
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	62	30	
	Rain Bird 1800-PA-8S-PRS 15 Strip Series Shrub 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.	39	30	
	Rain Bird 1800-5 Series Stream Stream Bubbler on fixed riser.	12	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.	5		
	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"	681.5 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	250.7 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1"	94.8 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	179.7 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/2"	38.7 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 3/4"	301.9 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1"	88.2 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	42.1 l.f.		
	Pipe Sleeve: PVC Schedule 40	174.4 l.f.		



CRITICAL ANALYSIS

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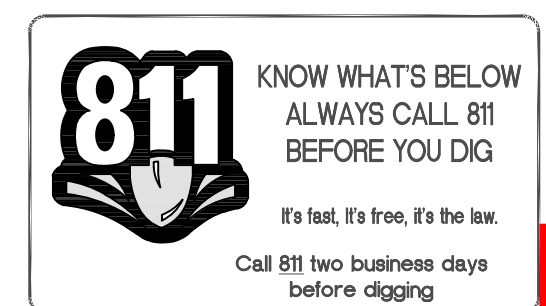
P.O.C. NUMBER: 01
Water Source Information: 1"WATER METER

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: 17.91 GPM
Flow Available at POC: 19.62 GPM
Residual Flow Available: 1.71 GPM

Critical Station: 4
Design Pressure: 30 PSI
Friction Loss: 2.68 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: 6.17 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 11.3 PSI
Loss for Water Meter: 1.53 PSI
Critical Station Pressure at POC: 55.9 PSI
Pressure Available: 56 PSI
Residual Pressure Available: 0.12 PSI



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



Digitally
Signed by
James B. Euell
Date: 2023.08.28
11:16:37
-04'00'

PROJECT NAME & LOCATION:
ECO POMPANO TOWNHOMES
3225 NE 5TH STREET
POMPANO BEACH FLORIDA 33062

DISTRIBUTION:	DATE:

DRAWING NAME:
IRRIGATION
PLAN

DRAWING NUMBER:
PZ24-12000008

5/15/2024