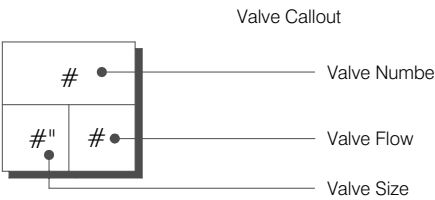


IRRIGATION SCHEDULE TYPE 4

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806-PRS 15 Strip Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	4	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.	27	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.	17	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.	10	30	
	Rain Bird 1800-5 Series Stream Stream Bubbler on fixed riser.	1	15	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		DETAIL
	Rain Bird PESB-PRS-D (2) 1" 1in., 1-1/2in., 2in. Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulating Module, and Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	6		
	Feeco 825Y 1" Reduced Pressure Backflow Preventer	1		
	Water Meter 5/8" 5/8" METER	1		
	Irrigation Lateral Line: PVC Schedule 40	36.0 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1/2"	366.8 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	168.0 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1"	13.9 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	20.3 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1/2"	27.6 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 3/4"	14.6 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1"	107.6 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	111.6 l.f.		
	Pipe Sleeve: PVC Schedule 40 2"	24.6 l.f.		



CRITICAL ANALYSIS

Generated: 2023-10-02 22:05

P.O.C. NUMBER: 01
Water Source Information: 5/8" METER

FLOW AVAILABLE
Water Meter Size: 5/8"
Flow Available: 15 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: 57 PSI

DESIGN ANALYSIS
Maximum Station Flow: 13.81 GPM
Flow Available at POC: 15 GPM
Residual Flow Available: 1.19 GPM

Critical Station: 3
Design Pressure: 30 PSI
Friction Loss: 2.39 PSI
Fittings Loss: 0.24 PSI
Elevation Loss: 0 PSI
Loss through Valve: 2.22 PSI
Pressure Req. at Critical Station: 34.8 PSI
Loss for Fittings: 0 PSI
Loss for Main Line: 0.8 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 11.6 PSI
Loss for Water Meter: 7.03 PSI
Critical Station Pressure at POC: 54.3 PSI
Pressure Available: 57 PSI

SLEEVING SCHEDULE	
PIPE SIZE	SLEEVING PIPE SIZE
3/4"	2"
1"	2"
1-1/4"	3"
1-1/2"	3"
2"	4"
3"	6"
4"	8"
6"	12"
8"	16"

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



Digitally signed by James B. Euell
Date: 2023.10.30 15:18:19 -04'00'

PROPOSED 12 HOUSES
NW 10TH STREET
POMPANO BEACH, FL 33060

DISTRIBUTION:	DATE:

DRAWING NAME:
HOUSE TYPE
4, 4M
IRRIGATION PLAN AND
SCHEDULE

DRAWING NUMBER:
L-304
PZ23-12000051
12/20/2023