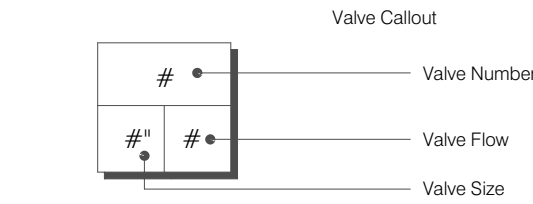


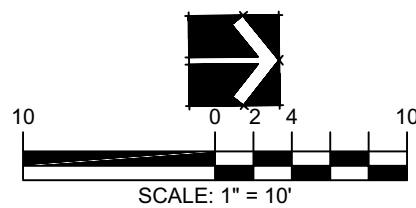
IRRIGATION SCHEDULE HOUSE MODEL B				
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	18	30	
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	28	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.	12	30	
	Rain Bird 1800-5 Series Stream Stream Bubbler on fixed riser.	11	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		
	Febco 825Y 1" Reduced Pressure Backflow Preventer	1		
	Rain Bird ESP4MEI with (1) ESP-SM6 10 Station, Hybrid Modular Indoor Controller. For Residential or Light Commercial Applications.	1		
	Rain Bird RSD-BEx (2) Rain Sensor, with metal latching bracket, extension wire.	1		
	Water Meter 5/8" 5/8" METER	1		
	Irrigation Lateral Line: PVC Schedule 40 1/2"	261.9 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	234.3 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1"	197.3 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	45.1 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/2"	1.8 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 3/4"	103.5 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1"	148.1 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	24.3 l.f.		
	Pipe Sleeve: PVC Schedule 40	11.9 l.f.		



CRITICAL ANALYSIS

Generated:	2024-03-17 08:39
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:	15.2 GPM
Flow Available at POC:	15 GPM
Residual Flow Available:	-0.2 GPM
Critical Station:	4
Design Pressure:	30 PSI
Friction Loss:	1.88 PSI
Fittings Loss:	0.19 PSI
Elevation Loss:	0 PSI
Loss through Valve:	2.26 PSI
Pressure Req. at Critical Station:	34.3 PSI
Loss for Fittings:	0 PSI
Loss for Main Line:	1.9 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	11.6 PSI
Loss for Water Meter:	7.45 PSI
Critical Station Pressure at POC:	55.2 PSI
Pressure Available:	57 PSI
Residual Pressure Available:	1.75 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

James B. Euell  
Digitally signed by James B. Euell  
Date: 2024.03.22 08:55:15 -0400

PROJECT NAME & LOCATION:  
PROPOSED 12 HOUSES  
NW 10TH STREET  
POMPANO BEACH, FL 33060

DISTRIBUTION:	DATE:
PERMIT COMMENTS	03-22-24
PERMIT COMMENTS	03-22-24

DRAWING NAME:  
HOUSE MODEL B  
AT N.W. 11TH. STREET  
IRRIGATION PLAN  
AND SCHEDULE

DRAWING NUMBER:  
L-302.1