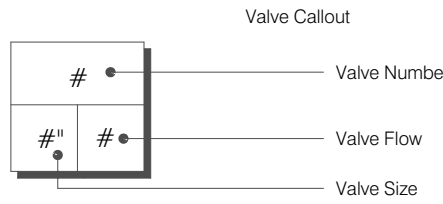


IRRIGATION SCHEDULE HOUSE MODEL A				
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	16	30	
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	26	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 PESS-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	7.3 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1/2"	287.0 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	219.4 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1"	192.1 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	48.4 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 3/4"	101.3 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1"	151.0 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	22.8 l.f.		
	Pipe Sleeve: PVC Schedule 40 2"	11.6 l.f.		



CRITICAL ANALYSIS

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

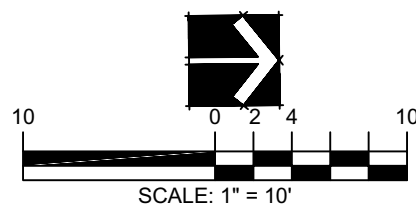
FLOW AVAILABLE
Water Meter Size: 5/8"
Flow Available: 15 GPM

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: 14.53 GPM
Flow Available at POC: 15 GPM
Residual Flow Available: 0.47 GPM

Critical Station:
Design Pressure: 30 PSI
Friction Loss: 2.5 PSI
Fittings Loss: 0.25 PSI
Elevation Loss: 0 PSI
Loss through Valve: 2.17 PSI
Pressure Req. at Critical Station: 34.9 PSI
Loss for Fittings: 0 PSI
Loss for Main Line: 1.67 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 11.7 PSI
Loss for Water Meter: 6.54 PSI
Critical Station Pressure at POC: 54.9 PSI
Pressure Available: 57 PSI
Residual Pressure Available: 2.15 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: 2024.03.22 08:55:38
04'00'

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 A
AT N.W. 11TH. STREET
IRRIGATION PLAN
AND SCHEDULE

DRAWING NUMBER:
L-302