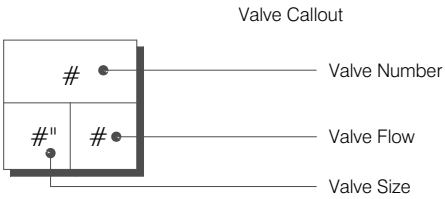


IRRIGATION SCHEDULE HOUSE MODEL B AT 10TH STRET

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.	30	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.	9	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.	7		
	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	6.4 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1/2"	567.7 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	157.2 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1"	53.5 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	18.1 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1/2"	27.6 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 3/4"	9.1 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1"	113.1 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	111.6 l.f.		
	Pipe Sleeve: PVC Schedule 40 2"	24.8 l.f.		



CRITICAL ANALYSIS

Generated: 2024-02-20 23:22

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

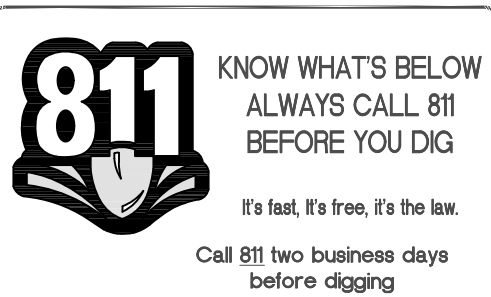
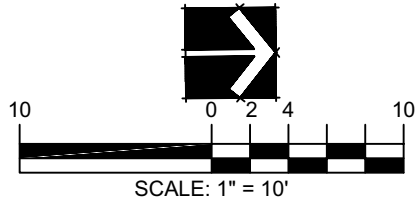
FLOW AVAILABLE
Water Meter Size: 5/8"
Flow Available: 15 GPM

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: 14.64 GPM
Flow Available at POC: 15 GPM
Residual Flow Available: 0.36 GPM

Critical Station:
Design Pressure: 30 PSI
Friction Loss: 2.62 PSI
Fittings Loss: 0.26 PSI
Elevation Loss: 0 PSI
Loss through Valve: 2.31 PSI
Pressure Req. at Critical Station: 35.2 PSI
Loss for Fittings: 0 PSI
Loss for Main Line: 1.51 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 11.5 PSI
Loss for Water Meter: 7.92 PSI
Critical Station Pressure at POC: 56.1 PSI
Pressure Available: 57 PSI
Residual Pressure Available: 0.9 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"



PROPOSED 12 HOUSES

NW 10TH STREET
POMPANO BEACH, FL 33060

DISTRIBUTION:	DATE:
	03-22-24
	03-22-24

DRAWING NAME:
HOUSE MODEL B
AT NW. 10TH STREET
IRRIGATION PLAN
AND SCHEDULE

DRAWING NUMBER:

L-304.1

Digitally signed by James B. Euell
Date: 2024.03.22 08:56:19 -04'00'