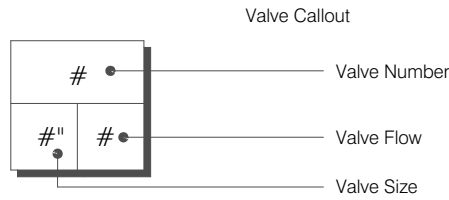


IRRIGATION SCHEDULE TYPE 1

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.	3	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.	21	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.	50	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.	8	30	
	Rain Bird 1800-5 Series Stream Stream Bubbler on fixed riser.	17	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.	9	
	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"	706.9 l.f.	
	Irrigation Lateral Line: PVC Schedule 40 3/4"	198.9 l.f.	
	Irrigation Lateral Line: PVC Schedule 40 1"	148.6 l.f.	
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	118.4 l.f.	
	Irrigation Mainline: PVC Schedule 40-NP 1"	198.7 l.f.	
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	65.9 l.f.	
	Pipe Sleeve: PVC Schedule 40 2"	16.2 l.f.	



CRITICAL ANALYSIS

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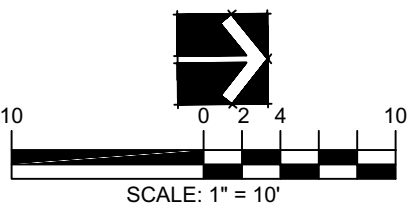
P.O.C. NUMBER: 01  
Water Source Information: 5/8" METER

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: 14.92 GPM  
Flow Available at POC: 15 GPM  
Residual Flow Available: 0.08 GPM

Critical Station: 3  
Design Pressure: 30 PSI  
Friction Loss: 2.38 PSI  
Fittings Loss: 0.24 PSI  
Elevation Loss: 0 PSI  
Loss through Valve: 2.34 PSI  
Pressure Req. at Critical Station: 35.0 PSI  
Loss for Fittings: 0 PSI  
Loss for Main Line: 2.24 PSI  
Loss for POC to Valve Elevation: 0 PSI  
Loss for Backflow: 11.4 PSI  
Loss for Water Meter: 8.21 PSI  
Critical Station Pressure at POC: 56.8 PSI  
Pressure Available: 57 PSI  
Residual Pressure Available: 0.17 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  
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PROPOSED 12 HOUSES

NW 10TH STREET  
POMPANO BEACH, FL 33060

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

DRAWING NAME:  
HOUSE MODEL-C  
AT NW. 11TH STREET  
IRRIGATION  
PLAN AND SCHEDULE

DRAWING NUMBER:

L-301