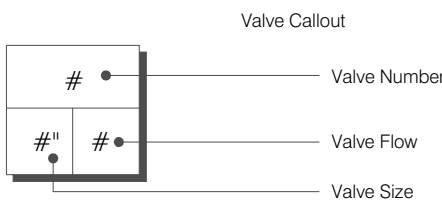


IRRIGATION SCHEDULE TYPE 2				
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	16	30	
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	25	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.	2	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.	5		
	Febco 825Y 1" Reduced Pressure Backflow Preventer	1		
	Rain Bird ESP4ME3 with (1) ESP-SM3 7 Station, Hybrid Modular Outdoor Controller. For Residential or Light Commercial Use. LNK WiFi Module and Flow Sensor Ready.	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"	272.3 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	162.7 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1"	108.9 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	44.4 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 3/4"	142.1 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1"	107.2 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

Generated: 2023-10-02 22:09

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

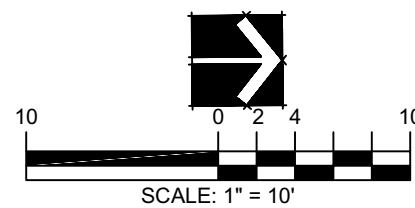
FLOW AVAILABLE
Water Meter Size: 5/8"
Flow Available: 15 GPM

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: 13.35 GPM
Flow Available at POC: 15 GPM
Residual Flow Available: 1.65 GPM

Critical Station: 4
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: 2.0 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 11.7 PSI
Loss for Water Meter: 6.54 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: 2023.10.30
15:17:13 -04'00'

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

DISTRIBUTION:	DATE:

DRAWING NAME:
HOUSE TYPE
2, 2M
IRRIGATION PLAN AND
SCHEDULE

DRAWING NUMBER:
L-302
PZ23-12000051
12/20/2023