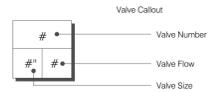


**IRRIGATION SCHEDULE**

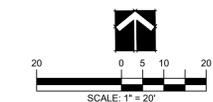
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
4V 6V 18V	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	60	30	
10B/E-VAN 10E/E-VAN	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	54	30	
EST LSS PCS CST SST	Rain Bird 1800-PA-BS-PRS 15 Strip Series Shrub Spray on fixed riser with the PA-BS-PRS Pressure Regulating Shrub Adapter. Use with 1/2" MPT threaded risers.	41	30	
10B/E-VAN 10E/E-VAN 10H/E-VAN 10S/E-VAN	Rain Bird 1800-PA-BS-PRS ADJ Shrub Spray on fixed riser with the PA-BS-PRS Pressure Regulating Shrub Adapter. Use with 1/2" MPT threaded risers.	2	30	
Q H F	Rain Bird 1800-5 Series Stream Stream Bubbler on fixed riser.	63	15	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
⊕	Rain Bird PEB-PRS-D 1-1/2" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulator Module.	5		
⊕	Rain Bird PEB-PRS-D 2" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulator Module.	7		
BF	Febco 825Y 1-1/4" Reduced Pressure Backflow Preventer	1		
C	Rain Bird ESPLXME2P w/ (1) ESPLXMSM12 24 Station, Traditionally-Wired, PRO Smart, Commercial Controller. (1) ESPLXME2P 12-Station, PRO Smart, (Module Included) Indoor/Outdoor, Plastic Wall-Mount Enclosure w/ (1) ESPLXMSM12 - 12-Station Expansion Modules.	1		
RS	Rain Bird RSD-BEX (2) Rain Sensor, with metal latching bracket, extension wire.	1		
M	Water Meter 1-1/4" 1-1/4" METER	1		
---	Irrigation Lateral Line: PVC Schedule 40 1/2"	1,110 l.f.		
---	Irrigation Lateral Line: PVC Schedule 40 3/4"	666.4 l.f.		
---	Irrigation Lateral Line: PVC Schedule 40 1"	568.3 l.f.		
---	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	696.6 l.f.		
---	Irrigation Lateral Line: PVC Schedule 40 1 1/2"	229.9 l.f.		
---	Irrigation Lateral Line: PVC Schedule 40 2"	257.2 l.f.		
---	Irrigation Mainline: PVC Schedule 40-NP 1"	8.1 l.f.		
---	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	406.3 l.f.		
---	Irrigation Mainline: PVC Schedule 40-NP 1 1/2"	147.9 l.f.		
---	Irrigation Mainline: PVC Schedule 40-NP 2"	119.0 l.f.		
---	Pipe Sleeve: PVC Schedule 40	3.5 l.f.		
---	Pipe Sleeve: PVC Schedule 40 2"	65.4 l.f.		
---	Pipe Sleeve: PVC Schedule 40 2 1/2"	260.9 l.f.		



**CRITICAL ANALYSIS**

Generated: 2024-04-09 17:38  
 P.O.C. NUMBER: 01  
 Water Source Information: 1-1/4" METER  
 FLOW AVAILABLE: 1-1/4"  
 Water Meter Size: 34.2 GPM  
 Flow Available: 34.2 GPM  
 PRESSURE AVAILABLE  
 Static Pressure at POC: 60 PSI  
 Elevation Change: 5.00 ft  
 Service Line Size: 1 1/4"  
 Length of Service Line: 20 ft  
 Pressure Available: 57 PSI  
 DESIGN ANALYSIS  
 Maximum Station Flow: 34.5 GPM  
 Flow Available at POC: 34.2 GPM  
 Residual Flow Available: -0.3 GPM  
 Critical Station: 3  
 Design Pressure: 30 PSI  
 Friction Loss: 2.68 PSI  
 Fittings Loss: 0.27 PSI  
 Elevation Loss: 0 PSI  
 Loss through Valve: 4.8 PSI  
 Pressure Req. at Critical Station: 37.7 PSI  
 Loss for Fittings: 0 PSI  
 Loss for Main Line: 4.45 PSI  
 Loss for POC to Valve Elevation: 0 PSI  
 Loss for Backflow: 8.82 PSI  
 Loss for Water Meter: 2.37 PSI  
 Critical Station Pressure at POC: 53.4 PSI  
 Pressure Available: 57 PSI  
 Residual Pressure Available: 3.62 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"



Digitally signed by Derick Langel Date: 2024.04.09 18:16:34-04'00'

**THERMOSET ROOFING**  
 PROJECT NAME & LOCATION:  
 500 NW 12TH AVENUE  
 POMPANO BEACH, FLORIDA

DISTRIBUTION:	DATE:

DRAWING NAME:  
 IRRIGATION PLAN AND SCHEDULE

