

Irrigation

Quantity	Symbol	Description	Part Number	Pressure	Flow	Radius
Sprinklers						
1	●	Hunter 10F - PROS-04-PRS30	10F	30 psi	1.59 gpm	10 ft
4	●	Hunter 10H - PROS-04-PRS30	10H	30 psi	0.88 gpm	10 ft
4	●	Hunter 15Q - PROS-04-PRS30	15Q	30 psi	0.97 gpm	15 ft
2	●	Hunter 4H - PROS-04-PRS30	4H	30 psi	0.44 gpm	4 ft
4	●	Hunter 4Q - PROS-04-PRS30	4Q	30 psi	0.22 gpm	4 ft
6	●	Hunter 5H - PROS-04-PRS30	5H	30 psi	0.23 gpm	5 ft
2	●	Hunter 5Q - PROS-04-PRS30	5Q	30 psi	0.12 gpm	5 ft
2	●	Hunter LCS-515 - PROS-04-PRS30	LCS-515	30 psi	0.65 gpm	15 x 5 ft
4	●	Hunter MP2000 180" - MPR40-04	MP2000 90-210"	30 psi	0.63 gpm	17 ft
1	●	Hunter MP2000 360" - MPR40-04	MP2000 360"	30 psi	1.27 gpm	17 ft
4	●	Hunter MP3000 90" - MPR40-04	MP3000 90-210"	30 psi	0.74 gpm	27 ft
3	●	Hunter PCB-25 - PROS-04-PRS30	PCB-25	25 psi	0.25 gpm	0 ft
2	●	Hunter RCS-515 - PROS-04-PRS30	RCS-515	30 psi	0.65 gpm	15 x 5 ft
6	●	Hunter SS-530 - PROS-04-PRS30	SS-530	30 psi	1.3 gpm	30 x 5 ft

Meters/Pumps

1	M	5/8 inch meter	
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Backflow Assemblies

1	⊕	Febco 850 - 1"	850 - 1"
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Control Valves

7	⊕	Hunter PGV-101G-S	PGV-101G-S
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Irrigation Accessories

1	⊕	Hunter PCC-1200i	PCC-1200i
1	⊕	Hunter Wireless RAIN-CLIK	WR-CLIK
1	⊕	Spears 1" White PVC - Socket	2621-010

Lateral Line Pipe

591 ft	---	Class 200 3/4"	
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Mainline Pipe

6 ft	---	Schedule 40 1"	0
188 ft	---	Class 200 1"	0

Sprinkler Zone Data

Zone #	Total Area	Total Flow	Precip Rate
1	32.5 Sq/Ft	1.76 gpm	5.21 in/hr
2	359.51 Sq/Ft	8.99 gpm	2.41 in/hr
3	626 Sq/Ft	10.4 gpm	1.6 in/hr
4	1232.05 Sq/Ft	6.75 gpm	0.53 in/hr
5	160.05 Sq/Ft	1.62 gpm	0.97 in/hr

Drip Zone Data

Run Set: 3

Water Source #1	
Type	Meter
Static Pressure	65 psi
Service Line	0.039 psi
Meter Loss	3.98 psi

Mainline Components	
Backflow Loss	6.53 psi
Master Valve Loss	1.876 psi
Filter Loss	0 psi

Zone 3 @ 10.4 gpm	
Mainline Loss	2.7 psi
Valve Loss	1.876 psi
Lateral Loss	2.056 psi
Fittings Loss	0.476 psi
Elevation Loss	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	49.535 psi
Residual Pressure	15.465 psi

Run Set: 2

Water Source #1	
Type	Meter
Static Pressure	65 psi
Service Line	0.029 psi
Meter Loss	2.894 psi

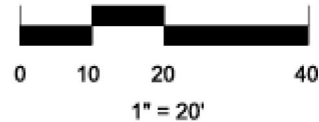
Mainline Components	
Backflow Loss	6.197 psi
Master Valve Loss	1.9 psi
Filter Loss	0 psi

Zone 2 @ 8.99 gpm	
Mainline Loss	2.11 psi
Valve Loss	1.9 psi
Lateral Loss	0.652 psi
Fittings Loss	0.276 psi
Elevation Loss	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	45.961 psi
Residual Pressure	19.039 psi

SPECIAL NOTES.....

DUE TO WATER RESTRICTIONS PLEASE CHECK YOUR WATER PURVEYORS WEBSITE FOR WATERING DAYS AND TIMES FOR YOUR ADDRESS.

NOTE: PRESSURE REGULATION IS CONTROLLED AT THE VALVE. 4" POP UPS ARE PRESSURE REGULATED TO 30 PSI

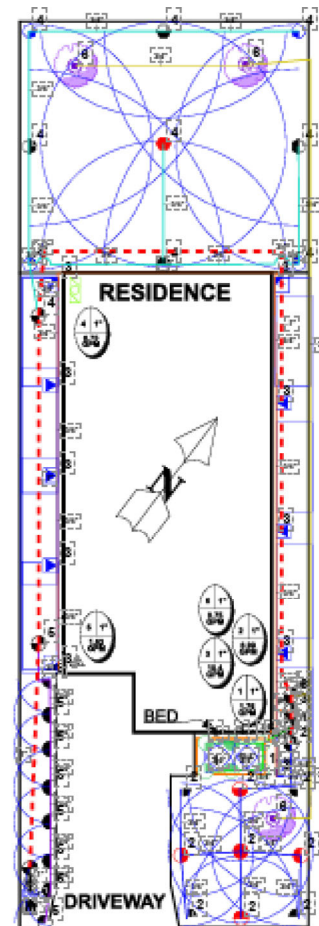


Water Source #1	
Meter Size	5/8 inch meter
Static Pressure	65 psi
Elevation	0 ft

Service Line Information	
Pipe Category	Poly 180
Pipe Size	Poly 180 1 1/4"
Length	5 ft
Velocity	5 fps

Recommendations	
Maximum Recommended Flow	13 gpm
Available Working Pressure	53.24 psi

SAMPLE



DATE:	3/6/2025
DESIGN BY:	
CHECKED BY:	
SCALE:	1" = 20'
1 of 1	

PROJECT:

SHEET DESCRIPTION:

Irrigation Design

3/6/2025

