



Water Source Information

Meter Size: 1 inch meter
 Static Pressure: 85 psi
 Elevation Change: 0 ft

Service Line Information

Pipe Category: Type K Copper
 Pipe Size: Type K Copper 1"
 Length: 5 ft
 Velocity: 5 fps

Recommendations

Maximum Recommended Flow: 12.12 gpm
 Available Working Pressure: 74.51 psi

Run Set: 1

Water Source

Type: Meter
 Static Pressure: 85 psi
 Service Line: 0 psi
 Meter Loss: 0.726 psi
 Backflow Loss: 0.881 psi
 Master Valve Loss: 0 psi

Zone 1 @ 11.47 gpm

Mainline Loss: 0.84 psi
 Valve Loss: 1.81 psi
 Lateral Loss: 0.31 psi
 Elevation: 0 psi
 Sprinkler Requirement: 30 psi

Total Design Pressure: 34.57 psi
 Residual Pressure: 50.43 psi

Zone 2 @ 11.37 gpm

Mainline Loss: 1.48 psi
 Valve Loss: 1.82 psi
 Lateral Loss: 0.31 psi
 Elevation: 0 psi
 Sprinkler Requirement: 30 psi

Total Design Pressure: 35.18 psi
 Residual Pressure: 49.82 psi

Zone 3 @ 8.42 gpm

Mainline Loss: 1.45 psi
 Valve Loss: 1.9 psi
 Lateral Loss: 0.29 psi
 Elevation: 0 psi
 Sprinkler Requirement: 30 psi

Total Design Pressure: 34.26 psi
 Residual Pressure: 50.74 psi

Zone 4 @ 9.74 gpm

Mainline Loss: 0.28 psi
 Valve Loss: 1.9 psi
 Lateral Loss: 0.22 psi
 Elevation: 0 psi
 Sprinkler Requirement: 30 psi

Total Design Pressure: 33.42 psi
 Residual Pressure: 51.58 psi

Zone 5 @ 7.41 gpm

Mainline Loss: 0.85 psi
 Valve Loss: 1.9 psi
 Lateral Loss: 0.82 psi
 Elevation: 0 psi
 Sprinkler Requirement: 30 psi

Total Design Pressure: 34.01 psi
 Residual Pressure: 50.99 psi

Zone 6 @ 5.38 gpm

Mainline Loss: 0.24 psi
 Valve Loss: 1.9 psi
 Lateral Loss: 0.14 psi
 Elevation: 0 psi
 Sprinkler Requirement: 30 psi

Total Design Pressure: 32.59 psi
 Residual Pressure: 52.41 psi

Zone 7 @ 7.2 gpm

Mainline Loss: 0.46 psi
 Valve Loss: 2.92 psi
 Lateral Loss: 0 psi
 Elevation: 0 psi
 Sprinkler Requirement: 8 psi

Total Design Pressure: 11.81 psi
 Residual Pressure: 73.19 psi

Irrigation

Qty	Symbol	Description	Part Number	Pressure	Flow	Radius
Sprinklers						
7	▼	Rain Bird 9SST - 1804	9SST	30 psi	1.73 gpm	18 x 9 ft
5	●	Rain Bird U-10F - 1804	U-10F	30 psi	1.64 gpm	10 ft
3	◐	Rain Bird U-10H - 1804	U-10H	30 psi	0.82 gpm	10 ft
4	◑	Rain Bird U-10Q - 1804	U-10Q	30 psi	0.41 gpm	10 ft
2	◒	Rain Bird U-12H - 1804	U-12H	30 psi	1.3 gpm	12 ft
3	◓	Rain Bird U-12Q - 1804	U-12Q	30 psi	0.65 gpm	12 ft
1	⊖	Rain Bird U-12TT - 1812	U-12TT	30 psi	1.74 gpm	12 ft
4	◔	Rain Bird U-15H - 1804	U-15H	30 psi	1.85 gpm	15 ft
7	◕	Rain Bird U-15Q - 1804	U-15Q	30 psi	0.92 gpm	15 ft
1	◖	Rain Bird U-15TT - 1804	U-15TT	30 psi	2.48 gpm	15 ft
1	●	Rain Bird U-8F - 1804	U-8F	30 psi	1.05 gpm	8 ft
3	◗	Rain Bird U-8H - 1804	U-8H	30 psi	0.52 gpm	7 ft
5	⊕	Rain Bird U-8H - 1812	U-8H	30 psi	0.52 gpm	8 ft
2	◘	Rain Bird U-8Q - 1804	U-8Q	30 psi	0.26 gpm	7 ft
4	⊗	Rain Bird U-8Q - 1812	U-8Q	30 psi	0.26 gpm	8 ft

Water Source		
1	M	1 inch meter

Backflow Devices		
1	⊗	Febco 715 - 1"

Control Valves		
6	⊕	Hunter PGV-100G
1	MV	Hunter PGV-100G
2	⊕	Rain Bird XCZ-100

Irrigation Accessories		
1	⊗	Hunter RAIN-FREEZE-CLICK
1	⊗	Nibco 1" isolation valve
1	⊕	Rain Bird ESP-8TM

Mainline Pipe		
253.34 ft	---	Class 200 1"

Lateral Line Pipe		
621.78 ft	---	Class 200 3/4"
8.25 ft	---	Class 200 1"

Drip Tubing		
1043.2 ft	---	Rain Bird LD-09-12
27.63 ft	---	Rain Bird LD-09-12

General		
Wire		
243.63 ft	---	16 Gauge

DRAWING PREPARED FOR:
 Irrigator
 Address
 City, State 12345
 (123) 456-7890
 LI 11111

RPICKERING DESIGN SERVICE
 www.rpickeringdesignservice.com
 (214) 549-8111
 bob@rpickering.com
 LI 14638

PROJECT:
 Residence
 ABC Drive
 Dallas, Texas 75123
 (123) 456-7890

REVISIONS:
 0

DATE:
 20--

JOB NUMBER:
 12345

DRAWN BY:
 Bob Pickering

CHECKED BY:
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Scale - (see sheet)
 1" = 10'

SHEET:
 1 of 1

