



Irrigation

Qty	Symbol	Description	Part Number	Pressure	Flow	Radius
Sprinklers						
1	●	Rain Bird 10F - PROS-04	10F	30 psi	1.58 gpm	10 ft
6	●	Rain Bird 10H - PROS-04	10H	30 psi	0.79 gpm	10 ft
3	●	Rain Bird 12F - PROS-12	12F	30 psi	2.6 gpm	12 ft
7	●	Rain Bird 12H - PROS-04	12H	30 psi	1.3 gpm	12 ft
3	●	Rain Bird 12H - PROS-12	12H	30 psi	1.3 gpm	12 ft
1	●	Rain Bird 12Q - PROS-04	12Q	30 psi	0.65 gpm	12 ft
1	●	Rain Bird 15F - PROS-04	15F	30 psi	3.7 gpm	15 ft
2	●	Rain Bird 15H - PROS-04	15H	30 psi	1.85 gpm	15 ft
4	●	Rain Bird 15Q - PROS-04	15Q	30 psi	0.92 gpm	15 ft
6	●	Rain Bird 4-VAN 180 - PROS-04	4-VAN	30 psi	0.45 gpm	4 ft
2	●	Rain Bird 5000 Series 1.5 LA - 5004-PL-PC-2.0	1.5 LA	45 psi	1.58 gpm	31 ft
3	●	Rain Bird 5000 Series 2.0 - 5004-PL-PC-2.0	2.0	45 psi	2.07 gpm	37 ft
5	●	Rain Bird 5000 Series 2.0 LA - 5004-PL-PC-2.0	2.0 LA	45 psi	2.02 gpm	32 ft
12	●	Rain Bird 5000 Series 2.5 - 5004-PL-PC-2.0	2.5	45 psi	2.51 gpm	37 ft
1	●	Rain Bird 5000 Series 3.0 LA - 5004-PL-PC-3.0	3.0 LA	45 psi	3.07 gpm	35 ft
6	●	Rain Bird 5000 Series 4.0 - 5004-PL-FC	4.0	45 psi	4.01 gpm	42 ft
13	●	Rain Bird 6-VAN 180 - PA-8S	6-VAN	30 psi	0.6 gpm	6 ft
13	●	Rain Bird 6-VAN 180 - PROS-04	6-VAN	30 psi	0.6 gpm	6 ft
3	●	Rain Bird 6-VAN 90 - PROS-04	6-VAN	30 psi	0.37 gpm	6 ft
9	●	Rain Bird 8H - PROS-12	8H	30 psi	0.52 gpm	8 ft
4	●	Rain Bird 8Q - PROS-04	8Q	30 psi	0.26 gpm	8 ft

Water Source		
1	M	1 inch meter
Backflow Devices		
1	⊗	Febco 765 - 1"
Control Valves		
9	⊗	Rain Bird 100-DVF-SS
Irrigation Accessories		
1	▲	Hunter MINI-CLIK
1	⊗	Nibco 1 1/2" isolation valve
1	▲	Rain Bird ESP-20LX Plus
Lateral Line Pipe		
1216.05 ft	—	Class 315 1/2"
177.18 ft	—	Class 200 3/4"
190.11 ft	—	Class 200 1"
170.87 ft	—	Class 200 1 1/4"
Mainline Pipe		
228.08 ft	—	Schedule 40 1 1/2"

Run Set: 5	
Water Source #1	
Type	Meter
Static Pressure	65 psi
Service Line	0 psi
Meter Loss	2.152 psi
Mainline Components	
Backflow Loss	3.988 psi
Master Valve Loss	0 psi
Filter Loss	0 psi
Zone 5 @ 19.76 gpm	
Mainline Loss	2.31 psi
Valve Loss	4.154 psi
Lateral Loss	2.803 psi
Fittings Loss	0.511 psi
Elevation	0 psi
Sprinkler Requirement	45 psi
Total Design Pressure	60.417 psi
Residual Pressure	4.583 psi

Water Source #1	
Meter Size	1 inch meter
Static Pressure	65 psi
Elevation Change	0 ft
Service Line Information	
Pipe Category	Schedule 40 PVC
Pipe Size	Schedule 40 1 1/4"
Length	0 ft
Velocity	5 fps
Recommendations	
Maximum Recommended Flow	23.31 gpm
Available Working Pressure	58.5 psi

SHEET: 1 of 1
 SCALE: 1" = 10'
 DRAWN BY: Dan Todd
 CHECKED BY:
 DATE: 16 May 2010
 JOB NUMBER: 1
 REVISIONS: None

PROJECT:
 Tim Gorske

SHEET DESCRIPTION:
 Irrigation Design

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