

12-30-2021

# Bridger View Irrigation Plan

Lawn Rain Sprinkler Systems, Inc.  
7067 River Road, Bozeman, MT  
406-586-6445

### Irrigation Notes:

1. Irrigation system to be installed with head to head coverage for all rotor and spray zones. If obstacles or landscaping prevents this the irrigation contractor will make the necessary changes to promote the best coverage possible.
2. All zone lateral piping is 1" 100 PSI poly unless otherwise noted on plan, (or approved equal).
3. All zone control valve boxes with be installed no closer than 12 inches to drive and sidewalk areas. Valve boxes will also be installed on a 4" base of crushed gravel to prevent settling.
4. Irrigation controller is a 2 wire system with decoders and will be paired with a rain/freeze sensor. The sensor will shut the irrigation system down in the event of rainy or freezing weather.
5. All irrigation components and workmanship will be covered by a one year warranty from the time the system runs with water. The irrigation contractor will be responsible for spring start up and fall winterization during this period.
6. All trees and shrubs inside of mulched landscape beds or tree grates, will to be watered with drip emitters or drip rings. Drip line lateral piping is not shown on drawing, irrigation contractor to run lateral piping in a professional manor, not exceeding 5 feet per second on water velocity. Drip areas will be zoned separate from lawn and turf areas.
7. Irrigation system design is based on 32 gallons per minute at 55 psi. Irrigation contractor to verify before starting work. If water supply differs from design, irrigation contractor will modify the plan accordingly.

### Irrigation Water Usage Notes:

Head type:	Total/Gallons/System:	Minutes watered/week:	Total gallons/week:
MP rotor	290.5	90	26,145.0
Rotor	207.4	90	18,666.0
Drip	98.6	60	5,916.0
<b>Total Gallons per Week</b>			<b>50,727.0</b>

### Irrigation

Qty	Symbol	Description	Part #	Pressure	Flow	Radius
314	▲	Hunter MP1000 180° - PROS-04-PRS30	MP1000 90-210°	30	0,32	12
233	▼	Hunter MP1000 90° - PROS-04-PRS30	MP1000 90-210°	30	0,16	12
3	◆	Hunter MPCorner 45° - PROS-04-PRS30	MPCorner	30	0,17	12
57	●	Hunter MP Left Strip - PROS-04-PRS30	MPStrip	30	0,19	15
56	●	Hunter MP Right Strip - PROS-04-PRS30	MPStrip	30	0,19	15
51	◆	Hunter MP2000 180° - PROS-04-PRS30	MP2000 90-210°	30	0,63	17
5	●	Hunter MP2000 360° - PROS-04-PRS30	MP2000 360°	30	1,27	17
121	◆	Hunter MP2000 90° - PROS-04-PRS30	MP2000 90-210°	30	0,33	18
12	◆	Hunter MP3000 180° - PROS-04-PRS30	MP3000 90-210°	30	1,58	27
8	◆	Hunter MP3000 90° - PROS-04-PRS30	MP3000 90-210°	30	0,74	27
18	◆	Rain Bird 5000 Series 1.5 - 5004-PL-FC	1.5	45	1,54	28
54	◆	Rain Bird 5000 Series 2.0 - 5004-PL-FC	2.0	45	2,07	28
22	◆	Rain Bird 5000 Series 3.0 - 5004-PL-FC	3.0	45	3,09	28
71	■	Hunter MP Side Strip - PROS-04-PRS30	MPStrip	30	0,38	30
2	●	Wilkins 950XL - 2"	950XL - 2"			
24	●	Rain Bird 150-PEB	150-PEB			
12	●	Rain Bird XCZ-100	XCZ-100			
2	▲	Rain Bird ESP-LXD	ESP-LXD			
7	●	Rain Bird 3RC	3RC			
5	▶	Nibco 2" Isolation valve				
36	▲	Rain Bird FD-101TURF	FD-101TURF			
1	■	Phase 1 well connection				
1	■	Phase 3 well connection				
14079,73 (ft)	—	Lateral - Poly 100 1"	0			
1438,68 (ft)	—	Lateral - Schedule 40 1 1/2"	0			
2138,46 (ft)	---	Mainline - Schedule 40 2"	0			
1758,09 (ft)	—	Schedule 40 4"	0			
9863,18 (ft)	—	LD-06-12	LD-06-12	0	0	0

### General

Qty	Symbol	Description	Part #
2307,53 (ft)	—	2 Wire	0

