











Low Pressure

POTENTIAL PROBLEMS

- There are too many heads on a single zone based on the available pressure for the site 9/10
- Valve is malfunctioning
- · Filters are plugged
- · Leak in the line
- The mainline or lateral line size is not adequate for the number of heads in a single zone

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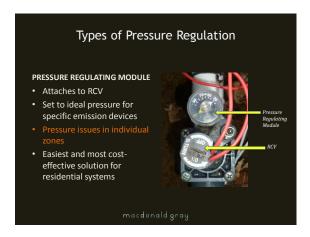
POTENTIAL SOLUTIONS

- System design change: split individual zone in to (2) or more zones, increase mainline or lateral line size as required
- Replace RCV
- · Clean filters
- · Check for leaks and repair

Spray heads and rotors mist or fog Test spray heads and rotors with pressure gauge Install a pressure regulator if necessary Pack courtey of The Now Means Water Conservation Albance macdonald gray









SUNKEN / OVERGROWN SPRINKLERS

INDICATORS

- Top of sprinkler head below grade
- Grass has grown up and around heads blocking spray / causing puddling around head
- Spray is blocked by plants or other obstructions

POTENTIAL SOLUTIONS

- Adjust/ dig up sprinklers and set to grade
- · Trim around sprinkler heads
- Trim plants, increase/ decrease pop-up height
- Remove obstructions



SPRINKLER ROTATION

INDICATORS

- · Rotation time to make one complete rotation should be the same for each head in a
- · Rotor does not rotate

POTENTIAL SOLUTION

· Worn gear driven assemblies may need replacement

BROKEN SPRINKLERS OR PIPES

INDICATORS

- For broken heads look for:

- irregular spray patterna pop-up that does not poppuddling around head
- For broken pipes look for puddling or 'springs' within
- One broken head or pipe can reduce the performance in an entire zone

POTENTIAL SOLUTIONS

· Repair or replace



Head / Nozzle Inventory

TILTED SPRINKLERS

• Even a few degrees of tilt will affect the radius of a sprinkler head



POTENTIAL SOLUTIONS

- Adjust sprinkler head so it is perpendicular to grade
- On a slope the sprinkler should be installed at 1/2 the grade of surrounding slope

Head / Nozzle Inventory

PLUGGED SPRINKLERS

- Dirt, sand, algae etc. can clog sprinklers
- Spray head does not pop-up the whole way
- Spray head does not throw the specified radius

POTENTIAL SOLUTIONS

- Remove nozzle and clean filter
- Install flush caps and turn on system to clean

Head / Nozzle Inventory

LOW HEAD DRAINAGE®

· Emission device at the bottom of a hill continues to drain when zone is turned off resulting in puddling, run-off and erosion





