

# Drainage plan

## Site Information

Location: 303 County Road 504, Walsenburg, CO 80189

Property Size: 107.89 acres

Land Use: Agriculture

## Objectives

- Minimize stormwater runoff from impervious surfaces.
- Promote on-site infiltration to recharge groundwater.
- Reduce the risk of erosion and flooding.
- Comply with local stormwater management regulations.

## Design Components

- Permeable Pavers: permeable pavers in parking areas and driveways to allow for infiltration of rainfall into the ground. Permeable pavers will allow water to pass through the surface and infiltrate the underlying soil.
- 3 Underground water tanks
- Floor drains, 2 Cisterns & Septic tanks - Capture runoff from rain and floor drains.

## Maintenance Plan

- Regularly inspect and clean permeable pavers, grassed swales, rain gardens, and vegetated filter strips to ensure proper functioning.
- Remove accumulated sediment and debris from infiltration basins to maintain storage capacity.
- Prune vegetation in rain gardens and filter strips to promote healthy growth and infiltration.
- Monitor water quality in infiltration basins and rain gardens to ensure that pollutants are effectively captured and treated.

By incorporating these design components and implementing a comprehensive maintenance plan, the drainage system will effectively manage stormwater runoff from impervious surfaces while promoting on-site infiltration and groundwater recharge.

**Odor control**

Odor control is also an essential component of our cannabis cultivation. We aim to meet county regulations while avoiding causing obnoxious odors and being considerate to our neighbors. We will implement proper odor control measures, including filtration systems specifically engineered to reduce odors from growing and harvesting marijuana. We will also use a portable system to help control odors during harvest.

**Utilities**

1. Water. This facility will utilize hauled water to fill five 3000-gallon ground tanks and one underground tank—over 20,000 gallons of storage capacity.
  - a. That plumbing shall be of adequate size and design and adequately installed and maintained to carry sufficient quantities of water to required locations throughout the plant and that shall properly convey sewage and liquid disposable waste from the Licensed Premises. There shall be no cross-connect
2. Electric. San Isabel Electric services the facility.