Description of Proposed Stormwater Management System

The proposed stormwater management system has been designed in accordance with the requirements outlined in Salem Revised Code (SRC 71) and the Public Works Design Standards (PWDS), specifically Appendix 4E. The system incorporates Green Stormwater Infrastructure (GSI) to manage, treat, and control stormwater.

Key components of the proposed system include:

1. **Treatment Measures:**
    - Rain garden has been designed in this project to capture and treat stormwater runoff from impervious surfaces. They rely on infiltration, allowing stormwater to percolate into the ground.
    - A filtration planter has also been designed in this project since it treats water before directing it to the stormwater system.
2. **GSI Compliance:**
    - At least 10% of the site's new impervious surface area will be dedicated to GSI elements, as mandated by PWDS Appendix 4E.4 (a). These measures will reduce runoff volume, improve water quality, and mitigate the impact on downstream systems. Please see the revised sheet C5.0 which shows the proposed 10.21% of the GSI compliance.
3. **Maintenance Plan:**
    - A maintenance schedule will be implemented to ensure the long-term performance and functionality of the GSI components, consistent with PWDS requirements. The rainwater garden primarily involves maintaining plants and ensuring good soil condition. A filtration planter requires regular maintenance of soil media and vegetation.

This integrated approach ensures compliance with the applicable design standards while supporting environmental sustainability and effective stormwater management.