

Project	2016 City of Wyoming Street Improvements	Date	7-18-2016
To	Mike Kinney	Contact Info	CLFWLD
Cc	Board of Managers	Contact Info	CLFLWD
From	Greg D. Graske, P.E.	Contact Info	EOR
Regarding	Permit Application #16-013, City of Wyoming		

Applicant

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Project Purpose: The proposed project will reconstruct approximately 1.0 miles of rural section roadway as part of the 2016 City of Wyoming roadway improvement project. This will include reconstruction of 3.7 acres of impervious area and disturbance of approximately 6.0 acres. There is no increase of impervious area proposed.

Project Location: 245th Street from Fallbrook Avenue to Fawn Trail & Fondant Avenue from 245th Street to 250th Street, City of Wyoming. The site drains to Comfort Lake

Applicable District Rules: 2.0 & 3.0

Recommendation: Approval pending the following conditions:

1. Submittal of construction notes and cross-section for proposed infiltration basins, including protection from compaction and vegetation specifications.
2. Submittal of Appendix A of the Geotechnical Evaluation Report confirming permeable soils and adequate water table separation.

Prior to permit issuance, the following are required:

3. Execution of a facility maintenance plan satisfactory to the CLFLWD addressing the ongoing operation and maintenance of the proposed stormwater management features including infiltration basins and roadside swales.

Stipulations of Permit:

4. Submittal of as-built survey for stormwater management features.

Rule 2.0: Stormwater Management

The proposed project is reconstruction 245th Street from Fallbrook Avenue to Fawn Trail & Fondant Avenue from 245th Street to 250th Street, City of Wyoming. The roads will be left as rural section and the project will not increase impervious area. Based on the NRCS soil survey and the submitted

geotechnical report the soils generally hydrologic soil group A, which is favorable for infiltration. Roadside swales along with two infiltration basins will provide treatment for the roadway. Pretreatment of runoff to the infiltration basins is provided by the grass swales along the roadway. Rates will be maintained or reduced at both discharge locations.

Overall rates from the site are as follows:

	2-YEAR (CFS)	10-YEAR (CFS)	100-YEAR (CFS)
EXISTING	0	0	0.5
PROPOSED	0	0	0

Volumes leaving the site will remain unchanged for the two year event. Under both pre-development and proposed conditions there will be no volume leaving the site for the two year event. Because there is zero discharge under typical flows the phosphorus loading leaving the site will also approach zero.

The swales and infiltration basins will be constructed contemporaneously with the road project.

Based on the submitted calculations the proposed project meets District rate, volume, and water quality requirements. Copies of Appendix A of the soil boring report and an infiltration basin construction detail confirming basin sizing and design is required.

Rule 3.0: Erosion Control

Detailed erosion control plans and a Stormwater Pollution Prevention Plan have been provided. The proposed plans include rock construction entrances, biorolls, silt fence, rip rap at storm sewer outfalls, revegetation specifications and an implementation schedule. The proposed project meets District erosion control requirements.

Rule 4.0: Lake, Stream, and Wetland Buffer Requirements

The proposed project does not trigger this rule; a subdivision was not proposed and no municipal rezoning or variance was required for this project.

Rule 5.0: Shoreline and Streambank Alterations

The proposed project does not trigger this rule; a DNR general permit excusing property owners who hold a District permit is not in effect.

Rule 6.0: Watercourse and Basin Crossings

The proposed project does not trigger this rule; no roadways, utilities, or water control structures are proposed in the bed of District waterbodies.

Rule 7.0: Floodplain and Drainage Alterations

The proposed project does not trigger this rule; Wyoming has a state-approved floodplain ordinance.

Rule 8.0: Wetland Management

The proposed project does not trigger this rule; the District is not the LGU for wetland impacts.

Rule 9.0: Fees

The proposed project does not trigger this rule, government agencies are exempt.

Rule 10.0: Financial Assurances

The proposed project does not trigger this rule; the Board previously decided that financial assurances are not requested from government agencies.

Rule 11.0: Variances

The proposed project does not request a variance.

Submittals Received

The following submittals were received and reviewed as the basis for this permit application review:

1. Application, received June 28, 2016, prepared June 24, 2016.
2. Construction Plan Set (40 Sheets), received June 28, 2016, prepared June 12, 2016, prepared by WSB & Associates, Inc.
3. Stormwater Management Summary and Calculations, received June 28, 2016, prepared June 27, 2016, prepared by WSB & Associates, Inc.
4. Geotechnical Report, received June 28, 2016, prepared April, 1, 2016, prepared by WSB & Associates, Inc.