



KAW VALLEY ENGINEERING, INC.

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C20D0691

Mr. Kyle Gorrell
Lee's Summit School District
302 SE Transport Road
Lee's Summit, Missouri 64081

**RE: STORM WATER MANGEMENT
LEE'S SUMMIT WEST HIGH SCHOOL ATHLETICS PROJECT
LEE'S SUMMIT, MISSOURI**

Dear Mr. Gorrell:

Kaw Valley Engineering, Inc. has completed a review of the stormwater management implications associated with the construction of the Athletic Improvements at the Lee's Summit West (LSWHS) Stadium in Lee's Summit, Missouri.

As part of this project, KVE is proposing that all building roof drains are collected in downspout collectors and piped to the adjacent lawn areas. Each roof drain discharge pipe is proposed to be capped with a pop-up emitter to reduce the potential for erosion. The pop-up emitter will be set on an open bottom drainage basin installed on an aggregate base to permit excess water in the system to drain into the surrounding soil. One PVC drain basin is planned to be constructed north of the concession/restroom building to drain a low spot created by the regrading proposed for this project. Runoff collected in this basin will be routed to an existing Junction Box. The overall drainage patterns around the stadium are not being altered by this project.

The City of Lee's Summit, Missouri has adopted a storm water management design criterion titled Section 5600 (Storm Drainage Systems and Facilities) which was used for stormwater planning and design. APWA 5600 lists exceptions to general requirements and applicability associated with Development in section 5601.3. The intent of these exception is to not require implementation of extensive storm water management systems on low impact and small-scale development projects.

The proposed LSWHS Athletics project will impact approximately 40,840 SF of the property on the four corners of the stadium. A net increase of approximately 7,300 SF in impervious is expected at project completion. Due to the disconnected nature of the proposed project, the location of the project on the high school property, the high school's location in the Watershed and lack of development downstream of the property, KVE will request that the City of Lee's Summit permits the proposed improvements without addressing the increase in impervious surface.

If you have any questions or require additional information, please do not hesitate to contact me at (913) 894-5150.

Respectfully submitted,
Kaw Valley Engineering, Inc.

David D. Wood, P.E.
Project Manager



Attachments:
Site Plan, Demolition Plan, Grading Plan

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