

**MEMORANDUM**

**Date:** October 25, 2018

**BKF Job Number:** 20180468

**Deliver To:** Josh Minshall, Department of Public Works, City of San Rafael

**From:** BKF Engineers

**Subject:** 3R's School Site (350 Merrydale Road – San Rafael, CA) – Hydrology Analysis

**REMARKS:**

Josh,


This memorandum has been prepared to address hydrology considerations associated with the proposed site improvements for the 3R's School Site located at 350 Merrydale Road in San Rafael.

The 3R's School Site in its existing condition consists predominantly of impervious surfaces. Site drainage is routed over paved surfaces, collected in drainage inlets and then conveyed northerly in a closed conduit pipe network which ultimately discharges to Las Gallinas Creek. The proposed project is not anticipated to change overall drainage patterns and does not propose to divert storm water between watersheds. Although new buildings are proposed, improvements elsewhere on site convert existing paved surfaces to landscape areas which results in a net overall decrease in impervious surface. With the planned decrease in impervious surface and the incorporation of landscaped storm water quality (bioretention) facilities, the proposed improvements associated with this re-development are not anticipated to create additional burden on the existing established drainage system or Las Gallinas Creek.

While working on a few other recent re-developments, where the development proposed to maintain or decrease the amount of impervious surface draining to existing established drainage systems, local municipalities have waived their requirement for a formal hydrology and hydraulics analysis. Note that BKF Engineers did evaluate and size drainage facilities in accordance with the Marin County Hydrology Manual even though a formal review wasn't required. Since post-development runoff is not anticipated to exceed pre-development flows, we would respectfully request that the City waive the requirement for a formal drainage review for this project.

Should you have any questions, or would like additional clarification on any aspect of this Memorandum, please feel free to contact us accordingly.

Sincerely,  
**BKF Engineers**

  
Jason Kirchmann, PE, PLS, QSD/QSP  
Associate / Project Manager



RECEIVED  
NOV 08 2018  
PLANNING