CLEARWATER HYDROLOGY

Consultants in Hydrology and Water Resources

Watershed Management

Stream and Wetland Restoration

Wetland Delineation and Permit Acquisition

Stormwater Drainage and Flooding

2974 Adeline St.
Berkeley, CA 94703
Tel: 510 841 1836
Fax: 510 841 1610

April 15, 2023

To: Pam Claussen, Carl Boe, Anne Purcell.

From: William Vandivere, M.S., P.E., Principal

RE: Technical memorandum on hydrologic and engineering assessment and EIR documentation review- Head Royce School Planned Unit Development Permit Project, Oakland CA

Thank you for inviting Clearwater Hydrology (CH) to comment on the referenced project's FEIR and the Responses to Comments, in particular the responses to the technical memorandum I prepared in Dec. 2021 on the DEIR Hydrology and Water Quality section. This letter is identified as Letter B5 in the Responses. The five responses provided, B5-1 through B5-4, address the comments offered under my heading "Assessment of Proposed Stormwater Control Plan and Related Hydrologic Design for Head Royce PUD".

In addition to reviewing the responses to comments B5-1 through B5-4, I reviewed Figure 5.25 of a publically-distributed pamphlet on the project (c. 2022) and updated Erosion Control and Stormwater Control Plans (SOM/Sherwood Design Engineers Jan 2022), Plan Sheets CO. 11-12, 21-23 and C7 00-04. Figure 5.25 of the pamphlet implies that no changes have been made to the Project stormwater plan. The currently presented Stormwater Control Plan prepared by Sherwood Design Engineers shows bioretention/biotreatment areas, all to the north of the loop access road. There is no indication in any of the provided documentation that the previous plan for earthen bottom stormwater retention basins linked by open swale segments has been amended. The response to comment B5-4 restates a mitigation measure related to geology, yet does not spell out in detail what the mitigation entails, in contrast to the detail laid out in their responses to the other comments.

If the CEQA process results in the lining of the retention basins south of the loop road and piped linkages, or their omission, in recognition of the recommendations of the Project geotechnical engineering consultant (Rockridge Geotechnical), I feel that the remainder of the stormwater handling measures indicated on the current (2022) plans addresses all of our previously stated concerns. If this is not the case, let this letter reinforce my professional opinion that the Project will likely have a detrimental hydrologic impact (decreased slope stability due to increased soil porewater pressures) on the properties bordering the Project to the south, including those of Claussen and Boe.

Yours truly,

William Vandivere, M.S., P.E.
Principal