



October 19 2016
SC#16097

City of Olympia
Community Planning & Development
601 4th Avenue E. PO Box 1967
Olympia, WA 98501

**Re: Roosevelt Elementary School – New Classroom Building
Narrative Description**

The Olympia School District plans to add a new classroom building to the existing school site at Roosevelt Elementary School to replace two temporary classrooms (portables). The project consists of constructing a 17,000 SF two story classroom building adjacent to the existing elementary school on the same site. The purpose of the building is to provide permanent classroom space for classes currently housed in portables and provide additional classroom space to allow for class size reductions that will be required by the State of Washington. No increase in student population is anticipated or factored into the spatial calculations or design of the project. The existing portables will be stored vacant on the site once construction of the new building is complete. The portables will be relocated to a different school site at a future time when a need is identified. The proposed project will also include the construction of associated water, sewer and other utility connections, relocation of the existing fire lane, and stormwater improvements.

No increase in parking is proposed due to no increase in student population. Emergency Vehicle Access lanes are designed to meet the City of Olympia Fire Department access requirements.

Roosevelt Elementary School is located at 1417 San Francisco Avenue NE, Olympia (TPN 73201400100) with a total project site area of 6.43 acres. The existing project site presently consists of an existing two story school building, two portable classrooms, parking area, a gated asphalt fire lane, grass play fields and wood chip and asphalt play areas.

The existing storm drainage system collects runoff from the paved parking areas and roof drains using a system of catch basins, pipes and roof drain lines. The collected runoff is sent to an existing exfiltration gallery located at the southwest corner of the property. The exfiltration gallery consists of 12in diameter perforated pipes within a trench filled with washed rock and wrapped in geotextile. It has a bottom area of approximately 130 ft by 130 ft and is located approximately 10 ft below the existing surface. An outlet structure with a 4 3/8" orifice plate



and overflow system connects the system to a catch basin on Tullis Street. There are no existing treatment structures on the site.

The new classroom building will have a 2-inch water service line, a 6-inch fire sprinkler line with a Post Indicator Valve, and a 4-inch fire line with a Fire Department Connection. A new fire hydrant will be added northeast of the new building while an existing one to the west of the proposed building will be retained to ensure hydrant coverage.

Sewer improvements will consist of connecting the new classroom building to an existing sewer line located on Garrison Street via a 6-inch sewer line with cleanouts and sanitary wyes.

Stormwater improvements will consist of adjusting the existing collection system with additional catch basins and storm drain lines to avoid conflict with the new building footprint. A new treatment vault with stormfilters will be retrofitted to the existing system to treat runoff from the paved parking areas. A new detention vault will also be installed to provide flow control for the runoff generated by new impervious areas. The new vault will connect to the existing exfiltration gallery.

The proposed project does not include antennas or wireless communications facilities, therefore the Olympia Municipal Code (OMC) Chapter 18.44 is not applicable.

Sincerely,

Skillings Connolly, Inc.

A handwritten signature in blue ink, appearing to read 'Ian Lee', is written over the printed name.

Ian Lee, PE
Project Engineer

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