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**MEMORANDUM**

DATE: September 19, 2018  
TO: Robert Gordon, P.E.  
FROM: Michael Melder, P.E.  
PROJECT: 67234.000  
REGARDING: Sirmon Multifamily; Preliminary Stormwater Design Memo



The Sirmon Multifamily development is a residential development consisting of five (5) eight-plex (8) units located off NE Spitzenburg Street in College Place. This memorandum has been prepared to document the anticipated stormwater design and ensure compliance with City of College Place and Ecology Standards.

Contributing Area

The contributing area to the infiltration galleries will be the proposed parking area and associated hardscapes/pervious areas from the proposed buildings. We anticipate roof runoff will be captured in gutters/downspouts and infiltrate on the property.

Mass Grading

Per USGS maps, the existing site increases in elevation from the west to the east. The proposed grading will seek to maintain runoff on-site. Efforts to tie into existing grade at the property lines may cause stormwater to flow offsite, however it will mimic the existing conditions.

Quality Control

Per the NRCS Web Soil Survey, the onsite soils are silt loam. From Ecology well logs near the site, depth to groundwater varies. Further site investigation may be needed due to the varying depths to groundwater from these well logs. Per the Guidance for UIC Wells that Manage Stormwater, silt provides high treatment capacity. The traffic loading for this site is classified as low per the Guidance for UIC Wells that Manage Stormwater. Using table 5.4 from the Guidance for UIC Wells that Manage Stormwater no pre-treatment is necessary, and stormwater is expected to be treated via infiltration.

Quantity Control

The access and parking area for the units will be paved with curb, gutter and sidewalk, per City of College Place standard plans. This will allow the stormwater to flow to the catch basin and infiltrate via the infiltration galleries that will be sized to retain the 25-year 24-hour; Type 1A storm. The galleries will be sized based on the contributing areas and final grading plan that will be determined during engineering design. Any stormwater that crosses a lot line will be equivalent or less than the predevelopment rate. A gutter system for buildings will be recommended so stormwater generated from roof tops will disperse in pervious areas of the lots or flow toward infiltration galleries.

If you have any questions, please contact Michael Melder at 509-956-3056 or [Michael.Melder@pbsusa.com](mailto:Michael.Melder@pbsusa.com).

JM:sg