

July 27, 2023

City of Puyallup  
Engineering Division  
333 S. Meridian, Puyallup, WA 98371

RE: Comment Notice – Permit application #PRCCP20220035

## COMMENT RESPONSES:

### **CIVIL**

*Comment responses by Maggie Corder – Galloway – 303.770.8884*

Update soil stabilization dates per Section 501.5 for the COP standards (SWPPP, Page 15)

*Response: Soil stabilization dates have been revised. (SWPPP, Page 17)*

Comment: Original comment: Show ramp cross slope. 2<sup>nd</sup> comment: Ramp cross slope not given. Add slope arrows perpendicular/parallel to ramp. (CS4)

*Response: Ramp Slopes added as necessary. (CS4)*

Comment: Reinsert in-feasibility for BMPs considered. BMP T5.30 and BMP T5.10A (Storm Report, Page 12)

*Response: Infeasibility discussions have been reinserted for BMP T5.30 and T5.10A. (Storm Report, Page 12)*

Comment: It appears the storm plan is showing overflows to discharge into the existing infiltration gallery and using the existing overflow facility for any potential secondary overflows. Confirm this in narrative. (Storm Report, Page 12)

*Response: Based on the flow direction and inverts highlighted in the attached record plan as well as the adjustment based on our surveyed information (since we do not have survey data for all structures analyzed), we have assumed that generally water on this property will be collected and conveyed to the infiltration gallery. There is a control structure that we have identified (see sheet Utility Plan CS7) which has a wall within it acting as a weir for the infiltration gallery overflow should it back up. This top of wall elevation is what we have assumed as our overflow elevation in the backflow analysis sketch provided within the Storm Report (blue is existing, red is proposed). With this analysis we can conclude that the infiltration gallery will not back up into the proposed bioretention. (Storm Report, Page 14)*

Comment: Wing slopes must be less than 10% per ADA standards (CS4)

*Response: Wing slopes adjusted per ADA standards. (CS4)*

Comment: State the quantity of discharge as it compares to the native discharge and the impact to downstream infrastructure if 100% infiltration cannot be achieved. (Storm Report, Page 13)

*Response: 100% infiltration has been achieved. (Reference WWHM Results)*

Comment: I ran the model without an underdrain and wetted walls for the 3:1 sloped walls and got 100% infiltration. Let's discuss and compare models.

*Response: We have revised our WWHM model to include wetted walls with no underdrain, with this we have achieved 100% infiltration. These revisions to our model have been confirmed as satisfactory through correspondence with the City Engineering*

*Representative Lance Hollingsworth. Reference Model Results at the end of the stormwater and erosion control report. (Reference WWHM Results)*

## **LANDSCAPING**

*Comment responses by Troy Noser – Galloway – 303.770.8884*

Comment: Per City vegetation management standards manual (VMS) Pg. 44 Item J: All internal landscape islands and connector strips shall include a double row (horizontally) of structural soil cells – often called “Silva Cells”, or equivalent - along the perimeter of all internal islands in parking stall areas only (under the pavement directly abutting the outer edge of the landscape island) to provide additional soil volume for tree growth. The landscape architect shall provide manufacturer’s installation details for internal parking lot landscaping soil installation, including required structural soil cells, on the final landscape plan set. See section 8.2 for soil quality standards.

*Response: A double row of silva cells have been added around all edges of islands adjacent to parking stalls. (L1.0)*

Comment: Please estimate the total topsoil required to meet the 8-inch minimum soil standard for all landscaped areas in cubic yards. The contractor will be required to submit delivery sheets and demonstrate compliance with topsoil required and specified on plans at the time of final inspection.

*Response: The total topsoil requirement is in the planting legend on sheet L1.0 under MISC (L1.0)*

Comment: Add two rows of silva cells around all edges of planter islands where they touch parking stalls. See purple lines around stalls 26-30, for example configuration of silva cells. [sheet L1.0]. Alternatively, Structural plant soils often called CU-structural soil, or equivalent - may be provided in lieu of structural soil cells so long as the volume of structural plant soils provided is 1.5X the soil volume that would otherwise be provided in structural soil cells as required by this option to reduce design option. The project landscape architect shall provide a cross section detail of installation of all structural plant soils, including geotechnical interface with adjacent under pavement soils.

*Response: A double row of silva cells have been added around all edges of islands adjacent to parking stalls. (L1.0)*