



City of Puyallup

Engineering Division

333 S. Meridian, Puyallup, WA 98371

(253) 864-4165

www.cityofpuyallup.org

Comment Notice

Permit Application # PRCCP20220770

October 11, 2022

The City has completed the review of the above-mentioned permit submittal. Below please find the permit submittal review comments from your review team. Should you have any questions regarding the review comments, please contact the plan reviewer associated with the comment listed below.

Engineering Civil Review (Reviewed By: Anthony Hulse, (253)841-5553, AHulse@PuyallupWA.gov)

- ◆ Re-evaluate this section as necessary after further infiltration testing is conducted. [drainage report, pg 8]
- ◆ Provide the datum information on the cover sheet. It is not intuitive to search to the last page to for this information. [civil plans, pg C1.0]
- ◆ Fill out and include the Runoff Treatment BMP Selection flow chart as part of the drainage report.
- ◆ The WWHM calculation and bioretention detail do not match. The detail is proposing an 18" BSM layer and a 12" gravel backfill layer. The WWHM calculation shows 18" for the BSM and 18" for the gravel. Additionally, the Soil Layer 1 should be the 3" depth coarse compost, soil layer 2 being the BSM soil layer and soil layer 3 being the gravel layer. [drainage report, pg 64/256]
- ◆ The project determined a feasible corrected infiltration rate based on the PIT-1 test (greater than 0.3in/hr). The CFv correction factor per the Ecology manual accounts for site variability and number of test pits. Additional infiltration testing is warranted if the Geotech is concerned with the location/depth of the PIT test. The WWHM calculation should be adjusted to account for some infiltration based on the defined rate.
- ◆ Why was a length of 52 inches used instead of the 79.2 inches which the Stormtech MC-7200 chamber detail 3 states on sheet C5.5 of the civil plans? [drainage report, pg 40]
- ◆ Update the volume of a single chamber. [drainage report, pg 40]
- ◆ 142 chambers X 404.5CF = 57,439CF, not including the end caps. Provide a calculation converting volume to linear feet or provide the WWHM calc showing this to verify the calculation and what is proposed on the civil plans match. [civils, pg 40]
- ◆ Keynote 8 not shown on the plans. [Civils, C2.1]
- ◆ It appears that water will pond in this section of the parking lot. How will this be mitigated? [civil plans, C3.1]
- ◆ Is this bold line a contour without the elevation? [civil plans, pg C3.1]
- ◆ The detail and calculation for the bioretention provides a 6" underdrain, is an 8" underdrain also proposed for the bioretention? Provide clarity. [civils, pg C3.1]
- ◆ Where is keynote 3 on the plans? [civil plans, pg C3.1]
- ◆ Provide pipe crossing information for the proposed power and storm piping. [civils, pg C3.1]
- ◆ Add this hatch to the legend. Ensure this sheet matches View A on sheet C3.5
- ◆ Building overhang? Add a note? [civils, pg C3.5]
- ◆ It appears SDCB 1 should be shifted to the SE to avoid ponding near this location. [civil plans, pg C3.5]
- ◆ What is going on with stormwater here? [civils, pg C3.5]
- ◆ What is the dark gray hatch representing in View A? [civils, pg C3.5]
- ◆ Stormwater does not appear to be collected within this area and conveyed to the detention system [civils, pg C3.6]
- ◆ What are these outlines? [civils, pg C3.6]
- ◆ How is stormwater being collected and mitigated for these areas? [civils, pg C3.6]



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- ◆ What is this dark hatch representing? Define it in the legend. [civil plans, pg C4.2]
- ◆ What are the X keynotes representing? [civils, pg C4.2]
- ◆ Add the number of nominal chambers to the parts required list. This appears to be 142 based on this depiction. [civils, pg C5.5]
- ◆ Ensure that Kenton dates his signature during the next submission on his stamped sheets. [civils, C6.1]
- ◆ Why is the 8" ductile iron pipe being shown with a curve in the pipe? [civil plans, pg C6.4]
- ◆ Create a note to install a reducer on the gate valve and tee as the water service line this is being installed is 3" [civil plans, pg C6.5]
- ◆ Create a note on this sheet stating that the contractor should exercise caution due to utility pipe crossings. [civil plans, pg C6.5]
- ◆ The plans show this is an 8" line. Revise accordingly. [civil plans, pg C6.5]
- ◆ Replace the Development Engineering approval block with the Planning Division approval block on the landscape plans. The block can be found here:
<https://www.cityofpuyallup.org/DocumentCenter/View/6921/Section-10-Engineering-Services-Review-Process?bidId=>[civils, pg L1.00]
- ◆ What are the "x" keynotes representing on this sheet? [civils, pg C4.1]
- ◆ Indicate what the asterisks within the crossing table on this plan sheet and C6.3 [civils, pg C6.2]
- ◆ Provide a basic conveyance calculation using Uniform Flow Analysis (Manning's Equation) showing the pipes convey stormwater to the detention system without surcharging. A single calculation showing the worst case condition (flattest, smallest diameter pipe) will suffice. This requirement comes from design standard 204.3(1). [drainage report]

Engineering Traffic Review (Reviewed By: Bryan Roberts, (253)841-5542, broberts@PuyallupWA.gov)

- ◆ Per previous discussion, centerline striping needs to be yellow to separate opposing directions of traffic. Needs to be updated throughout college to avoid confusion and increase safety C4.1
- ◆ Do not stripe centerline on College Way through this intersection. Transition between one-way and two way traffic. C4.1
- ◆ Unclear what signage is being proposed for the NB approach. MUTCD R3-5L LEFT TURN ONLY sign would be appropriate here.
C4.1
- ◆ Centerline striping needs to be yellow to separate opposing directions of traffic. C4.1
- ◆ MUTCD R5-1 DO NOT ENTER signs (facing west) would be appropriate here.
C4.1
- ◆ Pavement arrow should be thermoplastic C4.1
- ◆ Comment responses indicate driveway meets AASHTO ESD standards for a 20 mph road. Please show site lines at this driveway and narrative for why 20 mph design speed is warranted. C4.1

Planning Review (Reviewed By: Chris Beale, (253)841-5418, CBeale@PuyallupWA.gov)

- ◆ Please provide a archeological site survey, consistent with DAHP and Puyallup Tribe review and consultation.
- ◆ SEPT 2022 UPDATED COMMENT: The reduced island dimensions will be accepted if the reduced above ground planting area is replaced with Silva Cells. For example, perimeter landscape islands are required to be 12 feet wide with one silva cell around the perimeter. For perimeter islands reduced to 6 feet planter area, a total of six (3 on each side) silva cells must be provided as mitigation. Please show on the landscape sheets. This assumes each cell is 2 feet wide. Apply the same ratio to interior landscape islands as well. Silva cells can only be used under parking spaces and not drive aisles, per manf. specs.



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All parking lot landscape islands required to be 15 feet wide (interior curb). All three interior landscape islands must have Silva cells (or eqv.) along interior under parking stalls only. [Planning comment, sheet C3.1]

- ♦ The parking lot landscaping islands appear to have a mix of emergent wildflowers; city standards for type IV require woody stemmed shrubs and ground cover for those landscape islands to prevent soil compaction and pedestrians walking in the islands. Please revise plant selection or provide a response as to how the selected plants will meet the performance standards.
- ♦ Planning is coordinating with the Puyallup Tribal staff on the archeological study to ensure all information is available for their review. Its not clear based on the submittal if PTI staff has reviewed the report as of yet. City staff routed that report to them as a response to the previous SEPA comment and is awaiting a response as of the date of this comment (09/12/22).

Public Works Water Review (Reviewed By: Brian Johnson, (253)841-5442, BrianJ@PuyallupWA.gov)

- ♦ Utility and Landscape Plans Sheet C6.5: Add 2-inch RPBA 3-feet behind meter. Add City Standard detail 03.04.02 to this plan set.
- ♦ Landscape-Utility Plans R1 Sheet C6.5 The COP Standard detail 03.04.02 has not been added to the plan set.

To resubmit, you must address all comments and complete the [resubmittal form](#).

When you are ready to resubmit, you can do so using the customer portal, by **uploading a “new version” of the submittal requirement**. In addition, if any resubmittal fees have been assessed, **you will need to pay your resubmittal fee at the time of resubmittal**. **Your resubmittal will not be processed until the fee has been paid**. Please note, partial resubmittals will be deemed incomplete and returned.

The review team may have also added conditions to the permit application that are not listed above. The permit conditions can be found in the CityView portal. Please note, some of the conditions may need to be resolved prior to permit issuance.

If you need assistance with resubmitting your corrections, please contact the Permit Center.

Sincerely,

City of Puyallup Permit Center

(253) 864-4165 option 1

permitcenter@puyallupwa.gov