



City of Puyallup

**Engineering Division**

333 S. Meridian, Puyallup, WA 98371

(253) 864-4165

www.cityofpuyallup.org

# Comment Notice

## Permit Application # PRCCP20220189

December 28, 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)

- ◆ Provide contour elevations for the bioretention facilities. [civil plans, pg 11]
- ◆ What material is this backfill? Provide drainage piping behind the wall. [civils, pg 17]
- ◆ Include the IE for the proposed connection to the detention system? It appears to be 510.34 based on 6/C4.4. [civils, pg 9]
- ◆ Provide the utility crossings for the electrical line and communications. [civils, pg 9]
- ◆ Should CB 112 be a vaned grate lid to collect stormwater? What is the purpose of this catch basin? [civils, pg 9]
- ◆ Text overlap. [civils, pg 9]
- ◆ The orifice 1 elevation and WWHM calculation do not match. The orifice 1 elevation for CB 102 is 0.5' where as the detail shows 24 inches. CB 200 for parking lot B has the same issue, revise accordingly. [civils, pg 18]
- ◆ This dimension of the detention system is missing. [civils, pg 19]
- ◆ Why is 1.33 acres used for the total basin size rather than the amounts shown in EX-A4.2? [drainage report, pg 69]
- ◆ The 2nd material layer in the bioretention cell detail A is 1' rather than the 1.5' as defined in the WWHM modeling. Revise accordingly [drainage report, pg 71]
- ◆ Include CB rim and bottom elevation for CB-200 and CB 102 within this table. There isn't a method to verify the elevation in the WWHM calc to the detail provided as no vertical datum is provided. [civils, pg 18]
- ◆ Provide the bottom area square footage for the bioretention cell. [civils. pg 10]
- ◆ Update overbuild exist printout. [civils, pg 11]
- ◆ Text overlap. [civils, pg 11]
- ◆ Detail 3/C4.3 states a 36" outlet pipe will be installed rather than a 12". Revise accordingly. [civils, pg 11]
- ◆ 1/C4.5 references a beehive grate which will impede a car being able to park in this stall, revise to a vaned grate per 2/C4.1 [civils, pg 12]
- ◆ Include city standard 02.07.03 Bioretention overflow outlet structure [civils, pg 20]
- ◆ This detail is missing the incoming storm pipe that is collecting the stormwater for parking lot C. [civils, pg 20]
- ◆ Provide the required surface area calculated by the WWHM calculation for the bottom of the bioretention system on this sheet or the associated detail. [civil plans, pg 12]
- ◆ Show the 100' flow path for the dispersion trench and the preserved tract [civils, pg 12]
- ◆ Add a note for the project CESCL to ensure that dirty/silty water isn't discharged from the pond. [civils, pg 3]
- ◆ The 300 SQ FT bottom area doesn't appear to match detail 2/C4.5. The bioretention length is 250' and the bottom width is 1'. It appears this value may be representing the bioretention area on this sheet and sheet 10. The 300 SQ FT bottom width on the plan view does not appear to match the WWHM calculation sizing. [civils, pg 9]
- ◆ The WWHM calculation shows the bottom width of the bioretention is 1.5' rather than 1'. Revise accordingly.



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[civils, pg 20]

- ◆ Provide the required size of the bioretention treatment system based on the WWHM calculation. [civils, pg 11]
- ◆ Create a note to have the contractor clearly mark the preserved dispersion flow path area during construction. [civils, pg 6]
- ◆ Provide an easement for the protection of the preserved area for full dispersion [civils, pg 12].
- ◆ The geotech report and the proposed Lot B detention pipes appear to conflict. The Geotech assumes groundwater elevation to be at 534' (NAVD 88), whereas the invert elevation proposed is 527.40'. Add to the notes how the contractor should deal with buoyancy effects of the detention pipes. [civils, pg 18]
- ◆ What category is the wetland that the project is discharging to? [drainage report, pg 10]
- ◆ Include Figure I-3.5 Flow chart for determining wetland protection level requirements. [drainage report, pg 43]
- ◆ What is this representing? Remove if not necessary to this sheet [civils, pg 14]
- ◆ Provide a footing drain behind the proposed wall [civils, pg 17]

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

- ◆ Access shall meet AASHTO standards for ESD (280ft @ 25mph). Modify parking spots accordingly. AASHTO is the industry standard for roadway/intersection geometric design & best practices. Remove parking spaces as needed to meet sight distance standards.
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- ◆ Geometry must meet AASHTO SSD standards for approaching vehicles. Assume 25mph design speed (155ft). AASHTO is the industry standard for roadway/intersection geometric design & best practices
- ◆ Modify landscaping design as needed to meet sight distance standards
- ◆ Sheet SD2 & SD3 - Entering sight distance standards are not met at either driveway location. Parked vehicles and adjacent exiting vehicles will obstruct clear sight lines. Design needs to consolidate driveways and remove parking stalls near driveway.
- ◆ Sheet SD4 - stopping sight distance analysis is not accurate at this location. -9% downgrade will result in a 130ft SSD requirement @ 20mph. Remove parking parking stalls as-needed to meet SSD requirements. SSD standards must be met throughout entire vehicle movement (not just a single static location on the curve).
- ◆ Sheet L3.3 - As previously directed, remove conifer tree from planting area C.
- ◆ Recommend design team reviews current best practice for marked crosswalks (HVC markings, signage, lighting, sight distance, etc.).
- ◆ For two-way traffic, the centerline needs to be yellow. College needs a near-term plan to remove white CL striping throughout campus to avoid confusion.

**Fire Review** (Reviewed By: David Drake, (253)864-4171, DDrake@PuyallupWA.gov)

- ◆ 1. Provide Fire Lane / No Parking Signage sheet with details. Any area that a vehicle can park that is not designated as an approved parking spot will be required to have painted curb / stenciled and No Parking signage.

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

- ◆ PIERCE COLLEGE PARKING IMPROVEMENTS-combined Sheet L3.1: Maintain a 3-foot clear zone around fire hydrant, water meter and DCVA boxes. No trees within 10-feet of water features.
- ◆ PIERCE COLLEGE PARKING IMPROVEMENTS Sheet L3.2 Provide a 3-foot clear zone around fire hydrant, water meter, DCVA, PIV, and FDC
- ◆



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PIERCE COLLEGE PARKING IMPROVEMENTS Sheet L4.2: According to Record Drawings the 2-inch water meter located 1-foot, 6-inches east of fire hydrant and 4-foot, 9-inches south of fire hydrant is for the buildings domestic water use. The 1-inch irrigation meter is located 38-foot west of fire hydrant and 5-foot, 4-inches south of fire hydrant.

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](mailto:permitcenter@puyallupwa.gov)