

Wetlands Northwest LLC

August 11, 2022

Terry Grooms, Stack Design and Construction LLC
8825 34th Avenue NE # L410
Marysville, WA, 98271-8085

Re: Tax Parcel 30050900202201, 3807 122nd Street Northeast Marysville, WA 98270

Dear Mr. Grooms,

Following my site visit on July 27th, 2022, I have determined there no wetland or stream encumbrances that is regulated by the Marysville Municipal Code (MMC) Chapter 22E.010, Articles II and III on your property where you are planning a future subdivision.

The 1.25-acre parcel (see Figure 1 for location) is developed with a single-family home, adjoining outbuilding, driveway, landscaping and is void of any native vegetation (see Figure 2 aerial). There is a ditch along the western boundary that receives treated stormwater from the properties to the north (see Photo 1) whose drainage is conveyed to the City's stormwater network (see Figure 3 for stormwater utility network).

According to the Snohomish County Soils Survey, the entire property is mapped as Custer fine sandy (see Figures 2 and 3 for data point locations). Custer fine sandy loam is a "poorly drained" soil having cemented layers in the B layer. This mapping unit can also have profiles without hardpan in the subsoil. Data points DP-1, DP-2 and DP-3 (see attached and photos 2,3 and 4) confirmed the absence of all three wetland indicators. Adjacent properties have well established Douglas-fir (an upland plant) which are thriving at similar elevations on the property. According to Snohomish County and Department of Natural Resources (DNR) Inventories, there are no wetlands or streams inventoried within 215 feet of your property (see Figure 3).

The geotechnical report authored by *Terra Associates Inc.* dated 03/21/2022 encountered groundwater at explorations between 3 and 5 feet during a February 21, 2022 observation and recommended the area suitable for residential development. The groundwater at this depth fails to create a capillary fringe within 12 inches from the surface early in the growing season.

The laws applicable to critical areas are subject to varying interpretations. The work for this report has conformed to the standard of care employed by professional ecologists in the Puget Sound region. No other representation or warranty, expressed or implied, is made concerning the work or this report. This report is based largely on readily observable conditions and, to a lesser extent, on readily ascertainable conditions. No attempt has been made to determine hidden or concealed conditions. If hidden or concealed conditions arise, the information contained in this report may change based upon those conditions.

If you have any questions, feel free to contact me at 206-554-1628.



Robert King, PWS
Owner

Figure 2 - 2020 Aerial Map
Data Point Locations

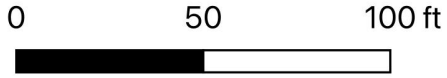
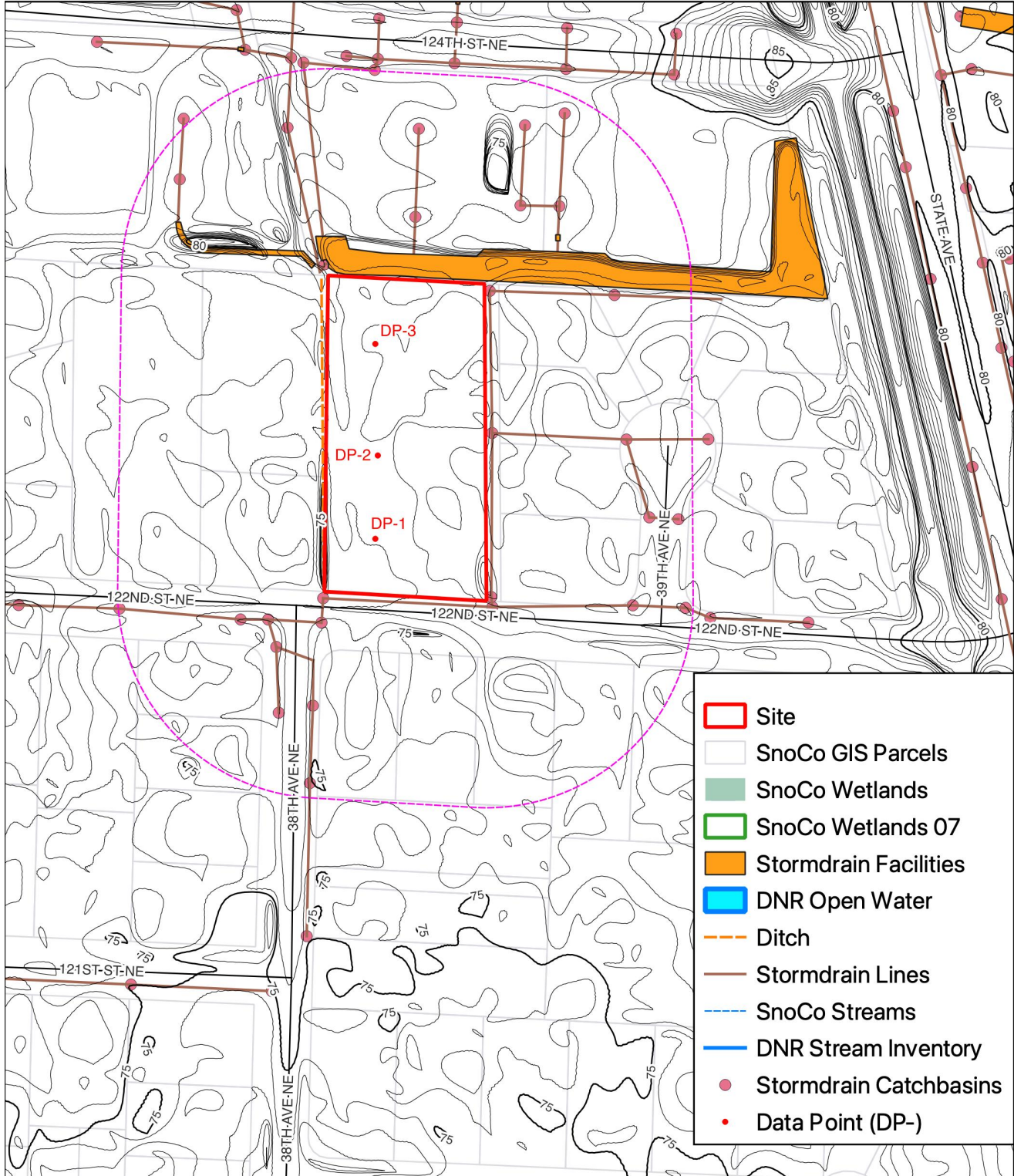
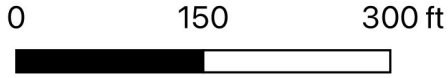


Figure 3 - Wetland and Stream, and Storm Sewer Inventory



Photos



Photo 1 – Stormwater from north property



Photo 2 – DP-1



Photo 3 – DP-2



Photo 4 – DP-3

Attachments

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Stack Design and Construction City/County: Marysville Sampling Date: 07-27-2022
 Applicant/Owner: Stack Design and Construction State: WA Sampling Point: DP-1
 Investigator(s): R. King Section, Township, Range: NW 09, 30N, 05E
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): none Slope (%): 0-5%
 Subregion (LRR): A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: Custer NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Wetland Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			

Remarks: _____

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____					
3. _____					
4. _____					
_____ = Total Cover					Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
_____ = Total Cover					
Herb Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Agrostis capillaris</u>		80	Y	FAC	
2. <u>Taraxacum officinale</u>		20	Y	FACU	
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
11. _____					
_____ = Total Cover					
Woody Vine Stratum	(Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____					
2. _____					
_____ = Total Cover					
% Bare Ground in Herb Stratum _____					

Remarks: _____

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Stack Design and Construction City/County: Marysville Sampling Date: 07-27-2022
 Applicant/Owner: Stack Design and Construction State: WA Sampling Point: DP-2
 Investigator(s): R. King Section, Township, Range: NW 09, 30N, 05E
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): none Slope (%): 0-5%
 Subregion (LRR): A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: Custer NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>	Hydic Soil Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>		

Remarks: _____

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____				
3. _____				
4. _____				
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
_____ = Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Agrostis capillaris</u>	20	Y	FAC	
2. <u>Taraxacum officinale</u>	80	Y	FACU	
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____				
2. _____				
_____ = Total Cover				
% Bare Ground in Herb Stratum _____				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)				
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				

Remarks: _____

