

Land Use Application

Project Information			
Project Title:Walgraeves Industrial Park			
Brief Description: Annexation of a portion of property that	at will have access vi	a SW Myslony Street.	
Property Information	A. DOAL MIL		
Address:11345 SW Herman Road, Tual	atin OR		
Assessor's Map Number and Tax Lots: 2S122			
Applicant/Primary Contact			
Name: Beth Zauner		Company Name: AAI Enginee	ering
Address:4875 SW Griffith Dr. #300			
City: Beaverton		State: Oregon	ZIP: 97005
Phone: 503-620-3030	E	Email: bethz@aaieng.com	
Property Owner	COLUMN TO A	MAN THE REAL PROPERTY AND	and the second second
Name: GARY A. WALLRAEVE	Dick	A LE LANDAL	
	1 BICKy	A Walgracu +	
Address: 11345 S.W. HERMAN RO			
City: TO ALATIN		State: OR.	ZIP: 97062
Phone: 503-692-0766	E	Email: farmerboys e	OMCAST, NET
Property Owner's Signature:			
Cary A. walnose	Palan	Wolyman	Date: Sept 1'21
(Note: Letter of authorization is required if not sig	gned by owner)	Waynaur	The Ki
AS THE PERSON RESPONSIBLE FOR THIS APPL INFORMATION IN AND INCLUDED WITH THIS COUNTY ORDINANCES AND STATE LAWS REG	APPLICATION IN ITS ENT	IRETY IS CORRECT. I AGREE TO	
Applicant's Signature:		AND LAND USE.	
			Date:
and Use Application Type:			
Annexation (ANN)	Historic Landmark	k (HIST)	Minor Architectural Review (MAR)
Architectural Review (AR)	Industrial Master Plan (IMP) Minor Variance (MVAR)		Minor Variance (MVAR)
☐ Architectural Review—Single Family (ARSF)	Plan Map Amendment (PMA) Sign Variance (SVAR)		
□ Architectural Review—ADU (ARADU)	Plan Text Amendment (PTA) Variance (VAR)		Variance (VAR)
□ Conditional Use (CUP)	Tree Removal/Rev	view (TCP)	
Office Use			
Case No:	Date Received:		Received by:
Fee:		Receipt No:	

Walgraeves submittal materials for AR

GENERAL:

Land Use Application form

Narrative addressing all applicable approval criteria and

standards

Title Report

Hydraulic Modeling Worksheet

Service Provider Letter from Clean Water Services

Service Provider Letter/Agreement from Republic Services

PLANS:

Existing Conditions
 Site Plan
 Tree Preservation Plan
 Grading Plan
 Utility Plan
 Kandscape Plan
 Lighting Plan
 Color Elevations
 Materials Board

PUBLIC NOTICE:

Documentation for Neighborhood Developer Meeting Certification of Sign Posting

TYPICAL REPORTS:

Tree Assessment Report
 Transportation Impact Study
 Stormwater Management Report



25 NW 23rd Place Suite 1 / Commercial Dept Portland, OR 97210 Phone (503) 219-9088 Fax (503) 477-6476

WFG National Title Insurance Company Attn: Trevor Cheyne 25 NW 23rd Place Suite 1 / Commercial Dept Portland, OR 97210

Date Prepared: June 12, 2020

PRELIMINARY TITLE REPORT

 Order Number:
 20-207334

 Escrow Officer:
 Trevor Cheyne

 Phone:
 (503) 444-7047

 Fax:
 (503) 296-5869

 Email:
 tcheyne@wfgnationaltitle.com

Seller(s):Gary Walgraeve and Ricky WalgraeveBuyer(s):Phelan Development Company, LLC

Property: 11345 SW Herman Road, Tualatin, OR 97062

WFG National Title Insurance Company, is prepared to issue a title insurance policy, as of the effective date and in the form and amount shown on Schedule A, subject to the conditions, stipulations and exclusions from coverage appearing in the policy form and subject to the exceptions shown on Schedule B. This Report (and any Amendments) is preliminary to and issued solely for the purpose of facilitating the issuance of a policy of title insurance at the time the real estate transaction in question is closed and no liability is assumed in the Report. The Report shall become null and void unless a policy is issued and the full premium paid.

This report is for the exclusive use of the person to whom it is addressed. Title insurance is conditioned on recordation of satisfactory instruments that establish the interests of the parties to be insured; until such recordation, the Company may cancel or revise this report for any reason.

SCHEDULE A

- 1. The effective date of this preliminary title report is 8:00 A.M. on 9th day of June, 2020
- 2. The policies and endorsements to be insured and the related charges are:

Policy/Endorsement Description	Liability	<u>Charge</u>
ALTA 2006 Owners Policy Basic Owner's Rate	\$9,016,920.00	\$14,126.00 \$14,126.00

Proposed Insured: Phelan Development Company, LLC

Government Service Fee: \$25.00

This is a preliminary billing only, a consolidated statement of charges, credits and advances, if any, in connection with this order will be provided at closing.

3. Title to the land described herein is vested in:

Ricky Walgraeve and Gary Walgraeve, as tenants in common

4. The estate or interest in land is:

Fee Simple

5. The land referred to in this report is described as follows:

SEE ATTACHED EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

EXHIBIT "A" LEGAL DESCRIPTION

A tract of land being a portion of that certain tract of land described in Deed to Gary Walgraeve and Ricky Walgraeve recorded November 12, 1993, as Fee No. 930943118, Washington County Deed Records, in the Southeast 1/4 of Section 22, Township 2 South, Range 1 West of the Willamette Meridian, County of Washington and State of Oregon, being more particularly described as follows:

Commencing at a 3-1/4" aluminum disk marking the South 1/4 corner of said Section 22; thence along the South line of said Southeast 1/4 of Section 22, North 89°37'22" East 69.55 feet to the Southwest corner of said Walgraeve tract: thence along the West line thereof, North 00°27'50" West 970.99 feet to the True Point of Beginning of the herein described tract of land; thence continuing along said West line, North 00°27'50" West 1220.09 feet to the Southeasterly right of way line of the Southern Pacific Railroad (60.00 feet wide); thence along said right of way line North 67°04'40" East 1179.33 feet to the North line of said Southeast 1/4 of Section 22; thence leaving said right of way line and along said North line North 89°40'09" East 167.37 feet; thence South 00°20'09" East 444.41 feet to the North line of Tract B, Partition Plat No. 2003-082, a duly recorded plat in said County; thence along said North line North 88°39'51" West 5.00 feet to the Northwest corner of said Tract B, also being the Northwest corner of that certain tract of land described in Deed to Swanpor Corporation recorded September 24, 1986, as Fee No. 86043361, said Deed Records; thence along the West line of said Swanpor tract South 00°20'09" East 1227.71 feet; thence leaving said West line South 89°37'22" West 1248.52 feet to the True Point of Beginning.

ALSO a tract of land being a portion of that certain tract of land described in Deed to Gary Walgraeve and Ricky Walgraeve, as tenants in common, recorded July 28, 2006 as Instrument No. 2006-090121, Washington County Records, situated in the Southeast quarter of Section 22, Township 2 South, Range 1 West of the Willamette Meridian, County of Washington, State of Oregon, being more particularly described as follows:

Commencing at a 3-1/4" aluminum disk marking the South quarter corner of said Section 22; thence along the South line of said Southeast guarter of Section 22, North 89°37'22" East 69.55 feet to the Southwest corner of said Walgraeve tract; thence along the West line thereof North 00°27'50" West 507.64 feet to the True Point of Beginning of the herein described tract of land; thence continuing along said West line North 00°27'50" West 463.34 feet; thence leaving said West line North 89°37'22" East 1248.52 feet to the West line of Parcel 1, Partition Plat 2003-082, a duly recorded Plat in Washington County; thence along said West line South 00°20'09" East 430.00 feet to the North line of that certain tract of land conveyed to Pascuzzi Investment LLC by Quitclaim Deed recorded June 2, 1995 as Instrument No. 95-037906, said Deed Records; thence along said North line South 89°37'22" West 495.00 feet to the Northwest corner of said Pascuzzi tract of land; thence North 00°22'38" West 30.00 feet to the beginning of a 2553.81 foot radius non-tangent curve to the left, a radial line bears North 00°22'38" West to said point; thence along the arc of said curve 438.46 feet through a central angle of 9°50'14" (the long chord bears South 84°42'15" West 437.93 feet); thence along a radial line North 10°12'52" West 7.00 feet to the beginning of a 2560.81 foot radius curve to the left, said curve being concentric with the aforementioned curve; thence along the arc of said curve 37.74 feet through a central angle of 0°50'40" (the long chord bears South 79°21°49" West 37.74 feet) to the beginning of a 1497.92 foot radius reverse curve to the right; thence along the arc of said curve 272.61 feet through a central angle of 10°25°38" (the long chord bears South 84°09'18" West 272.23 feet); thence South 89°22'07" West 6.87 feet to the true point of beginning. The bearings contained in this description are based on Survey No. 30526, Washington County Survey Records.

EXCEPTING THEREFROM a tract of land located in the Southeast One-Quarter of Section 22, Township 2 South, Range 1 West, Willamette Meridian, City of Tualatin, Washington County, Oregon and being more particularly described as follows: Beginning at the southwest corner of Parcel 1 of Partition Plat Number 2003-082, being a 3 inch brass disk inscribed "DE HAAS AND ASSOC. INC.", thence along the west line of said Parcel 1 North 00°20'09" West 395.59 feet to a 5/8 inch iron rod with a yellow plastic cap inscribed "DE HAAS & ASSOC. INC."; thence South 89°37'22" West 5.00 feet to the True Point of Beginning, being a 5/8 inch iron rod with a yellow plastic cap inscribed "DE HAAS & ASSOC. INC."; thence South 89°37'22" West 495.00 feet to a 5/8 inch iron rod with a yellow plastic cap inscribed "RYAN LS 58833"; thence North 00°22'38" West 140.00 feet to a point; thence North 89°37'22" East 495.10 feet to a point on the west line of said Parcel I; thence along said west line South 00°20'09" East 140.00 feet to the True Point of Beginning. The Basis of Bearings is per Washington County Survey Number 30837.

SCHEDULE B

GENERAL EXCEPTIONS

- 1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records; proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
- 2. Facts, rights, interests or claims which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.
- 3. Easements, or claims of easement, not shown by the public records; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.
- 4. Any encroachment (of existing improvements located on the subject land onto adjoining land or of existing improvements located on adjoining land onto the subject land), encumbrance, violation, variation, or adverse circumstance affecting the title that would be disclosed by an accurate and complete land survey of the subject land.
- 5. Any lien, or right to a lien, for services, labor, material, equipment rental or workers compensation heretofore or hereafter furnished, imposed by law and not shown by the public records.

SPECIAL EXCEPTIONS

6. As disclosed by the tax roll the premises herein described have been zoned or classified for farm use. At any time that said land is disqualified for such use, the property may be subject to additional taxes or penalties and interest.

7.	Unpaid Taxes for 2019 -2020:		
	Levied Amount	:	\$66.94
	Balance Owing	:	\$66.94, plus interest
	Property ID No.	:	R2159788
	Levy Code	:	023.76
	Map Tax Lot No.	:	2S122D000550
8.	Unpaid Taxes for 2019 -2020:		
	Levied Amount	:	\$2,028.91
	Balance Owing	:	\$2,028.91, plus interest
	Property ID No.	:	<u>R530624</u>
	Levy Code	:	<u>023.78</u>

9. City liens, if any, of the City of Tualatin. We find none as of June 12, 2020.

:

10. Rights of governmental bodies in and to any portion of the premises lying within an unnamed creek or tributary of <u>Hedges Creek</u>, for flood control and protection of anadromous fish and for wetlands protection.

2S122D000550

11. Ordinance No. 685-86 of the City of Tualatin, including the terms and provisions thereof:

:	Local Improvement District for sewer system improvements January 27, 1986 86003933
•	80003933

 12.
 Ordinance No. 684-86 of the City of Tualatin, including the terms and provisions thereof: Regarding
 :
 Local Improvement District for water system improvements

 Recorded
 :
 January 27, 1986

 Recording No.
 :
 <u>86003934</u>

Map Tax Lot No.

13. Easement, including the terms and provisions thereof:

For Sa	nitary sewer line
Granted to : City	/ of Tualatin
Recorded : Ma	y 12, 1987
	24140
	Public Survey 31560 for location

14. Easement, including the terms and provisions thereof:

14.	Easement, including the terms and p	rovisi	ions thereof:
	For	:	Storm water line to benefit property south of Myslony Street
	Granted to	:	Pacific N.W. Properties Limited Partnership, and assigns
	Recorded	:	December 24, 2007
	Recording No.	:	2007-130682
	Affects	:	Location to be determined
15.	State Tax Warrant:		
	In favor of	:	State of Oregon Department of Revenue
	Against	:	Rick A Walgraeve
	Warrant No.	:	L0748665344
	Recorded	:	August 19, 2016
	Recording No.	:	<u>2016-066433</u>
	Amount	:	\$7,907.84
16.	State Tax Warrant:		
	In favor of	:	State of Oregon Department of Revenue
	Against	:	Rick A Walgraeve
	Warrant No.	:	L0115917568
	Recorded	:	April 7, 2017
	Recording No.	:	2017-028179
	Amount	:	\$2,721.65
	and		
	Notice of Renewal of Distraint Warra	nt:	
	Recorded	:	April 27, 2017
	Recording No.	:	2017-033784

- 17. This Commitment is subject to approval by personnel of WFG National Title Insurance Company and any additional limitations, requirements or exceptions made by WFG National Title Insurance Company.
- 18. The legal description herein covers more property than is intended for the transaction. We require that a surveyor's legal description for the intended parcel be provided prior to closing.

END OF EXCEPTIONS

NOTE: Please be advised that we have searched the records and do not find any open Deeds of Trust or Mortgages. If you should have knowledge of an outstanding obligation, please contact the Title Department for further review.

NOTE: In no event shall WFG National Title Insurance Company have any liability for the tax assessor's imposition of any additional assessments for omitted taxes unless such taxes have been added to the tax roll and constitute liens on the property as of the date of closing. Otherwise, such omitted taxes shall be the sole, joint and several responsibility of seller(s) and buyer(s), as they may determine between themselves.

NOTE: LINKS FOR ADDITIONAL SUPPORTING DOCUMENTS: Vesting Deed 93094118 Vesting Deed 2006-090121 PLA Vesting Deed 2007-117930 PLA Vesting Deed 2010-102922 PLA PS 30526 - 2006 PLA survey PS 30837 - 2007 PLA survey PS 31560 - 2010 PLA survey PS 33560 - 2019 Myslony Street & 118th Ave survey Partition Plat 2012-002 south of Myslony St Partition Plat 2003-082 - adjacent east Plat Map 3-11 Tualatin Valley Acres - adjacent west 86043361 deed to Swanpor- legal description reference 2010-102923 deed to Pascuzzi - legal description reference map - WCO - Hedges Creek Greenway map - NWN gas lines map - WCO zoning Photos - GoogleEarth-rTM

NOTE: Due to current conflicts or potential conflicts between state and federal law, which conflicts may extend to local law, regarding marijuana, if the transaction to be insured involves property which is currently used or is to be used in connection with a marijuana enterprise, including but not limited to the cultivation, storage, distribution, transport, manufacture, or sale of marijuana and/or products containing marijuana, the Company declines to close or insure the transaction, and this Preliminary Title Report shall automatically be considered null and void and of no force and effect.

NOTE: The following applicable recording fees will be charged by the county:

Washington County-First Page	\$81.00
Each Additional Page	\$ 5.00
Non-standard Document Fee	\$20.00
E-recording Fee	\$ 3.00

Washington County Ordinance No. 193, recorded May 13, 1977 in Washington County, Oregon imposes a tax of \$1.00 per \$1,000.00 or fraction thereof on the transfer of real property located within Washington County.

NOTE: IMPORTANT INFORMATION REGARDING PROPERTY TAX PAYMENTSFiscal Year:July 1st through June 30thTaxes become a lien on real property, but are not yet payable.July 1stTaxes become certified and payable (approximately on this date)July 1stFirst one third payment of taxes are dueNovember 15thSecond one third payment of taxes are dueFebruary 15thFinal payment of taxes are dueMay 15th

Discounts: If two thirds are paid by November 15th, a 2% discount will apply.

If the full amount of the taxes are paid by November 15th, a 3% discount will apply.

Interest: Interest accrues as of the 15th of each month based on any amount that is unpaid by the due date. No interest is charged if the minimum amount is paid according to the above mentioned payment schedule.

NOTE: THE FOLLOWING NOTICE IS REQUIRED BY STATE LAW: YOU WILL BE REVIEWING, APPROVING AND SIGNING IMPORTANT DOCUMENTS AT CLOSING. LEGAL CONSEQUENCES FOLLOW FROM THE SELECTION AND USE OF THESE DOCUMENTS. YOU MAY CONSULT AN ATTORNEY ABOUT THESE DOCUMENTS. YOU SHOULD CONSULT AN ATTORNEY IF YOU HAVE QUESTIONS OR CONCERNS ABOUT THE TRANSACTION OR ABOUT THESE DOCUMENTS. IF YOU WISH TO REVIEW TRANSACTION DOCUMENTS THAT YOU HAVE NOT SEEN, CONTACT THE ESCROW AGENT.

End of Report

Your Escrow Officer
Trevor CheyneWFG National Title Insurance Company25 NW 23rd Place Suite 1 / Commercial DeptPortland, OR 97210Phone:(503) 444-7047Fax:(503) 296-5869Email:TeamTrevor@wfgnationaltitle.com

Your Title Officer

Rosa StombaughWFG National Title Insurance Company12909 SW 68th Pkwy., Suite 350Portland, OR 97223Phone:(503) 431-8526Fax:(503) 684-2978Email:rstombaugh@wfgnationaltitle.com



WFG National Title Insurance Company is prepared to issue, as of the date specified in the attached Preliminary Title Report (the Report), a policy or policies of title insurance as listed in the Report and describing the land and the estate or interest set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as a General or Specific Exception or not excluded from coverage pursuant to the printed Exclusions and Conditions of the policy form(s).

The printed General Exceptions and Exclusions from the coverage of the policy or policies are listed in Exhibit One to the Report. In addition, the forms of the policy or policies to be issued may contain certain contract clauses, including an arbitration clause, which could affect the party's rights. Copies of the policy forms should be read. They are available from the office which issued the Report.

The Report (and any amendments) is preliminary to and issued solely for the purpose of facilitating the issuance of a policy of title insurance at the time the real estate transaction in question is closed and no liability is assumed in the Report.

The policy(s) of title insurance to be issued will be policy(s) of WFG National Title Insurance Company.

Please read the Specific Exceptions shown in the Report and the General Exceptions and Exclusions listed in Exhibit One carefully. The list of Specific and General Exceptions and Exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy to be issued and should be read and carefully considered.

It is important to note that the Report is not an abstract of title, a written representation as to the complete condition of the title of the property in question, and may not list all liens, defects and encumbrances affecting title to the land.

The Report is for the exclusive use of the parties to this transaction, and the Company does not have any liability to any third parties or any liability under the terms of the policy(s) to be issued until the full premium is paid. Until all necessary documents are recorded in the public record, the Company reserves the right to amend the Report.

Countersigned

sisc

Exhibit One 2006 American Land Title Association Loan Policy 6-17-06 EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to (i) the occupancy, use, or enjoyment of the Land;
 - (i) the occupancy, use, or enjoyment of the Land;
 (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;

2.

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- or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
- Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
- Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
- 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

THE ABOVE POLICY FORM MAY BE ISSUED TO AFFORD EITHER Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

SCHEDULE B - GENERAL EXCEPTIONS FROM COVERAGE

- Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records; proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
- 2. Facts, rights, interests or claims which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.
- Easements, or claims of easement, not shown by the public records; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.
- 4. Any encroachment (of existing improvements located on the subject land onto adjoining land or of existing improvements located on adjoining land onto the subject land), encumbrance, violation, variation, or adverse circumstance affecting the title that would be disclosed by an accurate and complete land survey of the subject land.
- 5. Any lien, or right to a lien, for services, labor, material, equipment rental or workers compensation heretofore or hereafter furnished, imposed by law and not shown by the public records.

2006 AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY 6-17-06 EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.

- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
- Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10; or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
- 4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
- 5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

SCHEDULE B - GENERAL EXCEPTIONS FROM COVERAGE

- Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records; proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
- 2, Facts, rights, interests or claims which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.
- 3. Easements, or claims of easement, not shown by the public records; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.
- 4. Any encroachment (of existing improvements located on the subject land onto adjoining land or of existing improvements located on adjoining land onto the subject land), encumbrance, violation, variation, or adverse circumstance affecting the title that would be disclosed by an accurate and complete land survey of the subject land.

Any lien, or right to a lien, for services, labor, material, equipment rental or workers compensation heretofore or hereafter furnished, imposed by law and not shown by the public records.



Plain English Privacy Statement for Appraisal, Title & Escrow Customers

WFG believes it is important to protect your privacy and confidences. We recognize and respect the privacy expectations of our customers. We believe that making you aware of how we collect information about you, how we use that information, and who we share that information will form the basis for a relationship of trust between us. This Privacy Policy provides that explanation. We reserve the right to change this Privacy Policy from time to time.

Williston Financial Group, LLC, WFG National Title Insurance Co. and each of the affiliates listed below (collectively "WFG" or the "WFG Family") are obligated to comply with Federal and state privacy laws. While there are some common requirements to those laws, the definitions and duties differ significantly from law-to-law and state-to-state. A privacy statement drafted to comply with all of the applicable privacy laws and their differing definitions would likely be confusing. Therefore, in an attempt to better communicate our privacy policies, WFG designed this "Plain English" explanation, followed by the Gramm-Leach-Bliley Act model form and State-Specific Privacy Notices in order to provide you with the complete, legal privacy notices and disclosures required under Federal and applicable State Laws.

WFG's primary business is providing appraisal, title insurance and, escrow services for the sale or refinance of real property. This can be a complicated process, involving multiple parties, many of whom have been selected by our customers, each filling a specialized role. In part, you have hired WFG to coordinate and smooth the passage of the information necessary for an efficient settlement or closing.

In the course of this process, WFG collects a significant amount of personal and identifying information about the parties to a transaction, including sensitive items that include but are not limited to: your contact information including email addresses, Social Security numbers, driver's license and, other identification numbers and information; financial, bank and insurance information; information about past and proposed mortgages and loans; about properties you currently or previously owned; your mortgage application package; and the cookie, IP address, and other information captured automatically by computer systems.

Much of this information is gathered from searches of public land records, tax, court and credit records to make certain that any liens, challenges, or title defects are addressed properly. Some of the information that is collected is provided by you, or the computer systems you use. We also may receive information from real estate brokers and agents, mortgage brokers and, others working to facilitate your transaction. We also may receive information from the formation from public, private or governmental databases including credit bureaus, 'no-fly' lists, and terrorist 'watch lists', as well as from your lenders and credit bureaus.

What Information is Shared?

WFG DOES NOT SELL any of your information to non-affiliated companies for marketing or any other purpose.

However, some of the same information <u>does get shared</u> with persons inside and outside the WFG Family in order to facilitate and complete your transaction.

For example:

- Information, draft documents, and closing costs will pass back and forth between WFG and your mortgage broker and lender to facilitate your transaction.
- Information, including purchase agreements and amendments, will pass back and forth between WFG and the real estate agents and brokers, the mortgage brokers and lenders, your lawyers and accountants, and others involved in facilitating the transaction.
- WFG may order property searches and examinations from title searchers, abstractors and title plants.
- WFG may use third parties to obtain tax information, lien information, payoff information, condominium and, homeowners' association information and payoff information.
- Third parties may be engaged to prepare documents in connection with your transaction.
- Surveys, appraisals and, inspections may be ordered.
- Within the WFG Family of companies, we may divide up the work to handle each closing in the most efficient and compliant manner possible and to meet specific legal and licensing requirements. Certain parts of your closing (for example a search or disbursement) may be handled by another division or company within the WFG family.

- When it is time for signatures, your complete closing package may be sent to a notary, remote online notary, or notary service company who will arrange to meet with you to sign documents. The notary will, in turn, send signed copies back to us along with copies of your driver's license or other identity documents usually by mail, UPS, Federal Express or another courier service.
- Your deed, mortgage and other documents required to perfect title will be recorded with the local recorder of deeds.
- In some cases, we use an outside service to coordinate the recording or electronic-recording of those instruments, and they will receive copies of your deeds, mortgages and other recordable documents to process, scan and send on to the recording office.
- Various government agencies get involved. The law requires us to provide certain information to the IRS, the US Treasury, local and state tax authorities and other governmental agencies.

You have a choice in the selection of a mortgage broker, lender, real estate broker or agent and others that make up your 'transaction team.' Information flows to and from the members of the transaction team you have selected to facilitate an efficient transaction for you.

When WFG selects and engages a third-party provider, we limit the scope of the information shared with that third party to the information reasonably necessary for that service provider to provide the requested services. With most, we have entered into express agreements in which they expressly commit to maintain a WFG customer's information in strict confidence and use the information only for purposes of providing the requested services, clearing title, preventing fraud and addressing claims under our title insurance policies.

How does WFG use your Information?

We may use your personal information in a variety of ways, including but not limited to:

- Provide the products, services and title insurance you have requested and to close and facilitate your transaction.
- Coordinate and manage the appraisal process.
- Handle a claim or provide other services relating to your title insurance policies.
- Create and manage your account.
- Operate and improve WFG's applications and websites, including WFG MyHome WFG's secure communication and transaction portal. Your information is used for access management, payment processing, site administration, internal operations, troubleshooting, data analysis, testing, research, and for statistical purposes.
- Respond to your requests, feedback, or inquiries.
- Comply with laws, regulations, and other legal requirements.
- Comply with relevant industry standards and our policies, including managing WFG's risk profile through reinsurance.
- Protect and enforce your rights and the rights of other users against unlawful activity, including identity theft and fraud.
- Protect and enforce our collective rights arising under any agreements entered into between WFG and you or any other third party;
- Protect the integrity and maintain security of our applications, websites, and products;
- Operate, evaluate, and improve our business; and
- Provide you with information about products, services, and promotions, from WFG or third parties that may interest you.

How Do We Store and Protect Your Personal Information?

Although no system can guarantee the complete security of your personal information, we will use our best efforts to maintain commercially reasonable technical, organizational, and physical safeguards, consistent with applicable law, to protect your personal information and our systems and sites from malicious intrusions or hacking.

How Long Do We Keep Your Personal Information?

We keep your personal information for as long as necessary to comply with the purpose for which it was collected, our business needs, and our legal and regulatory obligations. We may store some personal information indefinitely. If we dispose of your personal information, we will do so in a way that is secure and appropriate to the nature of the information subject to disposal.

Computer Information

When you access a WFG website, or communicate with us by e-mail, we may automatically collect and store more information than you are expressly providing when you fill out a survey or send an email. This may include:

- Your IP Address.
- Your email address, your alias and, social media handles.
- (Internet Protocol Address) and domain name.
- The type of browser and operating system you use.
- The time of your visit.
- The pages of our site you visit.
- Cookies.

In order to provide you with customized service, we make use of Web browser cookies. Cookies are files that help us identify your computer and personalize your online experience. You may disable cookies on your computer, but you may not be able to download online documents or access certain sites unless cookies are enabled.

The technical information we collect is used for administrative and technical purposes and to prevent fraud and provide identity verification. For instance, we may use it to count the number of visitors to our site and determine the most popular pages. We may also use it to review types of technology you are using, determine which link brought you to our Web site, assess how our advertisements on other sites are working, help with maintenance, and improve our customers' experience.

We may compare information gathered on previous visits to verify that we are interacting with the same parties and not a potential imposter.

If we ask you to fill out any forms or surveys, we will use the information we receive only for the specific purposes indicated in those forms or surveys.

The information you and your transaction team send us in emails or attached to an email, or provide through any of our online tools, is used for purposes of providing title, escrow and appraisal management services and used for the purposes described above.

Links to Third Party Sites

Our Applications and Websites may contain links to third-party websites and services. Please note that these links are provided for your convenience and information, and the websites and services may operate independently from us and have their own privacy policies or notices, which we strongly suggest you review. This Privacy Notice applies to WFG's applications and websites only.

Do Not Track

Because there is not an industry-standard process or defined criteria to permit a user to opt-out of tracking their online activities (Do Not Track or DNT), our websites do not currently change the way they operate based upon detection of a "Do Not Track" or similar signal. Likewise, we cannot assure that third parties are not able to collect information about your online activities on WFG websites or applications.

Social Media Integration

Our applications, websites, and products contain links to and from social media platforms. You may choose to connect to us through a social media platform, such as Facebook, Twitter, Google, etc. When you do, we may collect additional information from or about you, such as your screen names, profile picture, contact information, contact list, and the profile pictures of your contacts, through the social media platform. The social media platforms may also collect information from you.

When you click on a social plug-in, such as Facebook's "Like" button, Twitter's "tweet" button or the Google+, that particular social network's plugin will be activated and your browser will directly connect to that provider's servers. Your action in clicking on the social plug-in causes information to be passed to the social media platform.

We do not have control over the collection, use and sharing practices of social media platforms. We, therefore, encourage you to review their usage and disclosure policies and practices, including their data security practices, before using social media platforms.

How Can You "Opt-Out?"

We do not sell your information; therefore there is no need to opt-out of such reselling. Under various laws, you can opt-out of the sharing of your information for more narrow purposes. For additional detail, consult the Links under the "Legal" Notices attached below.

The "Legal" Notices

To comply with various federal and state laws, we are required to provide more complete legal notices and disclosures. In reviewing these, you will find that these notices incorporate the definitions and terminology used in the respective privacy laws which can often be somewhat convoluted and may even seem inconsistent with the descriptions above. The state-specific statutes may also give residents of those states additional rights and remedies.

How to Contact Us

If you have any questions about WFG's privacy policy or how we protect your information, please contact WFG:

- By email: Consumerprivacy@willistonfinancial.com
- By telephone: 833-451-5718
- By fax: 503-974-9596
- By mail: 12909 SW 68th Pkwy, Suite 350, Portland, OR 97223
- In-person: 12909 SW 68th Pkwy, Suite 350, Portland, OR 97223

WFG FAMILY

WILLISTON FINANCIAL GROUP LLC WFG NATIONAL TITLE INSURANCE COMPANY WFG LENDER SERVICES, LLC WFGLS TITLE AGENCY OF UTAH, LLC WFG NATIONAL TITLE COMPANY OF WASHINGTON, LLC WFG NATIONAL TITLE COMPANY OF CALIFORNIA WFG NATIONAL TITLE COMPANY OF TEXAS, LLC D/B/A WFG NATIONAL TITLE COMPANY UNIVERSAL TITLE PARTNERS, LLC VALUTRUST SOLUTIONS, LLC WILLISTON ENTERPRISE SOLUTIONS & TECHNOLOGY, LLC WFG NATIONAL TITLE COMPANY OF CLARK COUNTY, WA, LLC D/B/A WFG NATIONAL TITLE

			Rev. 12/2019	
FACTS	WHAT DOES WILLISTON WITH YOUR PERSONAL			
Why?	Financial companies choose how they share your personal information. Federal law gives consumers the right to limit some but not all sharing. Federal law also requires us to tell you how we collect, share, and protect your personal information. Please read this notice carefully to understand what we do.			
What?		The types of personal information we collect and share depend on the product or service you have with us. This information can include:		
		and other government identification infor	rmation	
	Your name, address, pho			
	Financial Information inc	operty, any liens and restrictions luding credit history and other debt ation, including wire transfer instructions	s	
How?		o share customers' personal information		
	In the section below, we list th	e reasons financial companies can shai	re their customers' personal	
		ton Financial Group chooses to share; a	and whether you can limit this	
	sharing.	Does Williston Financial Group	Con you limit this	
Reasons we can si	hare your personal information	share?	Can you limit this sharing?	
For our everyday bu	isiness purposes—	Yes	No	
such as to process	your transactions, maintain your			
	to court orders and legal			
	port to credit bureaus			
For our marketing p		Yes	No	
	and services to you	No	We don't share	
For joint marketing with other financial companies For our affiliates' everyday business purposes—		Yes	No	
	our transactions and experiences			
For our affiliates' ev	eryday business purposes—	No	We don't share	
	our creditworthiness			
For our affiliates to market to you For nonaffiliates to market to you		No	We don't share	
		No	We don't share	
To limit our sharing		our menu will prompt you through your c it.ly/WFGsConsumerPrivacyInformatior listonfinancial.com		
	Please note:			
	notice. When you are no longer this notice.	can begin sharing your information [30] r our customer, we continue to share yo		
Questions?	However, you can contact us at any time to limit our sharing. Call 833-451-5718 or Email consumerprivacy@willistonfinancial.com			
	Oan 055-451-57 16 OF Email <u>COI</u>			
Mail-In Form				
If you have a joint	Mark any/all you want to limit:			
policy, your choices		about my creditworthiness with your affil	liates for their everyday	
will apply to	business purposes.	· · · · · · · · ·		
everyone on your		s to use my personal information to mark		
account.		information with nonaffiliates to market	their products and services to	
	me. Name		Mail to:	
	Address		Williston Financial Group	
			PRIVACY DEPT	
	City, State, Zip		12909 SW 68 th Pkwy, #350	
	File Number		Portland, OR 97223	
			1	

Who we are	-
Who is providing this notice	Williston Financial Group, LLC and its affiliates and subsidiaries as lister below:
What we do	
How does Williston Financial Group protect my personal information?	To protect your personal information from unauthorized access and use we use security measures that comply with federal law. These measure include computer safeguards and secured files and buildings. We limit access to your information to employees that need to use the informatio to process or protect transaction. We take industry standard (IPSEC) measures to protect against malicious intrusions or hacking
How does Williston Financial Group collect my personal information?	 We collect your personal information, for example, when you Apply for insurance Engage us to provide appraisal, title and escrow services Give us your contact information Provide your mortgage information Show your driver's license We also collect your personal information from others, such as real estate agents and brokers, mortgage brokers, lenders, credit bureaus, affiliates, and others
Why can't I limit all sharing?	 Federal law gives you the right to limit only sharing for affiliates' everyday business purposes—information about your creditworthiness affiliates from using your information to market to you sharing for nonaffiliates to market to you State laws and individual companies may give you additional rights to limit sharing. See below for more on your rights under state law.
What happens when I limit sharing for an account I hold jointly with someone else?	Your choices will apply to everyone on your policy.
Definitions	
Affiliates	Companies related by common ownership or control. They can be financial and nonfinancial companies. Our affiliates include companies with a common corporate identity, including those listed below.
Nonaffiliates	Companies not related by common ownership or control. They can be financial and nonfinancial companies. Nonaffilliates we share with can include real estate agents and brokers, mortgage brokers, lenders, appraisers, abstractors and title searchers and others as appropriate to facilitate your transaction.
Joint marketing	A formal agreement between nonaffiliated financial companies that together market financial products or services to you.
Other important information	Williston Financial Group does not jointly market.

As a resident or citizen of certain states, we may have to provide additional state-specific privacy notices and you may have rights other than as set forth above. The privacy notices below will provide state-specific information:

PRIVACY NOTICE FOR CALIFORNIA RESIDENTS

This PRIVACY NOTICE FOR CALIFORNIA RESIDENTS supplements the information contained in the Privacy Statement of WFG NATIONAL TITLE INSURANCE COMPANY and its parent, subsidiaries and affiliates (collectively, "WFG" "we," "us," or "our") and applies solely to customers, parties to real estate transactions, visitors, users, and others who reside in the State of California ("consumer" or "you"). We have adopted this notice to comply with the California Consumer Privacy Act of 2018 ("CCPA") and other California privacy laws. Any terms defined in the CCPA have the same meaning when used in this notice.

Your Rights as a California Consumer

Under California Law, you have the right to request that WFG disclose what personal information we collect, use, disclose, and sell. You have the right to opt-out of a sale of your personal information, and you may request the deletion of your personal information. You will not receive discriminatory treatment by WFG if you exercise any of your privacy rights under CCPA.

You may also designate an authorized agent to make a request under the CCPA on your behalf.

These are not absolute rights, they are subject to exceptions and limitations which we are happy to discuss as they may apply to your particular circumstances and the services you have engaged WFG to supply.

If you would like to exercise any of these rights or to designate an authorized agent, you may start the process by:

- Emailing us at consumerprivacy@willistonfinancial.com
- Going to http://bit.ly/WFGsConsumerPrivacyInformationRequestPage
- Calling us at: 833-451-5718; or
- Going into any WFG office and making the request in person.

In exercising any of these rights, we must make absolutely certain we are dealing with you or your authorized agent. So depending on how you submit your request, we will be asking you to confirm your identity, which may include providing additional documentation or information to verify it is really you, and we may send a notary or other person to meet with you in person or require you to come into a WFG office to verify your identity. Some of the identification process may be handled through an online portal and may include knowledge-based identification questions.

Information We Collect

WFG's primary business is providing appraisal, title and escrow services for the sale or refinance of real estate. This can be a complicated and legalistic process. In part, you have hired WFG to centralize and smooth the passage of all the information necessary for your real estate transaction and to have us coordinate a smooth and efficient closing. In the course of providing those services to you, we collect a significant amount of personal information.

We do not knowingly collect, maintain or use personal information from children under the age of 18 and no part of our Services are directed or targeted to children. If you become aware that a child under the age of 18 has provided information violation WFG with personal in of this Privacy Policy. please alert us at Consumerprivacy@willistonfinancial.com.

The CCPA requires us to list the statutory categories of consumers' personal information that we have collected about any consumers in the preceding 12 months. Much of this information is gathered from our searches of the land, tax, court and credit records to make certain that any liens, challenges, or title defects are addressed properly. Some of it is provided by you, or your computer systems. Some come from real estate agents and brokers, mortgage brokers and others working to facilitate your transaction, and some are provided by your lenders and credit bureaus. Here's how it breaks down:

Category and Examples	From where do we get this Information?	Purpose Collected	3 rd Parties with whom shared
Identifiers. Such as your name, spouse's name, maiden names, family member's names, aliases, postal address, unique personal identifier, online identifiers, Internet Protocol address, email address, account name, Social Security number, driver's license number, passport number, or other similar identifiers	You, your family and agents Your computer, tablet and cell phone Real estate agents and brokers involved in the transaction Mortgage brokers, lenders and credit bureaus Surveyors, appraisers, abstractors, title plants, title searchers Lien searchers and clearance companies	To provide the services	See Below "Disclosure of Personal Information for a Business Purpose"
Personal information categories listed in Cal. Civ. Code § 1798.80(e) such as your name, signature, Social Security number, physical characteristics or description, address, telephone number, passport number, driver's license or state identification card number, insurance policy number, education, employment, employment history, bank account number, credit card number, debit card number, or any other financial information	You your family and agents	that property, to close loans, to record your deeds, mortgages and other instruments affecting title, make filings	See Below "Disclosure of Personal Information for a Business Purpose"
Protected classification characteristics under California or federal law including your age, race, color, marital status, sex, physical disability, and veteran or military status as such information appears in driver license and other identity documents and in loan application materials.	You, your family and agents Real estate agents and brokers involved in the transaction Mortgage brokers, lenders and credit bureaus	 online and offline security issues, and for purposes of Identity verification For Government and regulatory compliance 	See Below "Disclosure of Personal Information for a Business Purpose"
Commercial information mostly in the form of real property records, mortgage records and lien records.	You, your family and agents Your computer, tablet and cell phone Real estate agents and brokers involved in the transaction Mortgage brokers, lenders and credit bureaus Surveyors, appraisers, abstractors, title plants, title searchers Lien searchers and clearance companies	 policies. To maintain and supplement title plants, databases of prior policies, subdivision master 	See Below "Disclosure of Personal Information for a Business Purpose"
Biometric information as contained in drivers licenses and identity documents; captured on security cameras in our offices; and as	You, your family and agents Notaries and others handling	resources and improve our websites and apps and present their contents to	See Below "Disclosure of Personal Information for a

required for notarization and e- notarization in some states.	closing and signing functions Your computer, tablet and cell phone	 integrity and security of our Business applications, websites and products. To provide you with email, text and video alerts, event
Internet or other similar network activity such as information on how you interact with and use our websites, applications, emails, texts and other electronic resources	You, your family and agents Your computer, tablet and cell phone	 registrations and other notices concerning our products or services, or events or news, that may be of interest to you. To carry out our obligations and enforce our rights
Geolocation data, primarily in the form of the location of your property and when and where someone may be meeting you for signatures, etc.	You, your family and agents Real estate agents and brokers involved in the transaction Mortgage brokers, lenders and credit bureaus Surveyors, appraisers, abstractors, title plants, title searchers Lien searchers and clearance companies Notaries and those handling closing and signing Your computer, tablet and cell phone	 arising from the contracts entered into between you and us, and with others, including for billing and collections and handling of claims under a title policy. For testing, research, analysis and product development. As necessary or appropriate to protect the rights, property or safety of us, insureds, our customers, and others. To respond to law enforcement, regulatory, and lender requests and See Below "Disclosure of Personal Information for a Business Purpose"
Audio, electronic, visual, thermal, olfactory, or similar information. Should you choose to interact with us by phone, video link or come into our offices your voice or images may be recorded Professional or employment-related information. Current or past job history is often a part of loan applications and statements of information.	You, your family and agents Your computer, tablet and cell phone You, your family and agents Mortgage brokers, lenders and credit bureaus	 as required by applicable law, court order, or governmental regulations. As described to you when collecting your personal information or as otherwise set forth in the CCPA and the Gramm-Leach-Bliley Act. To evaluate or conduct a merger, divestiture, restructuring, reorganization, dissolution, or other sale or transfer of some or all of our assets, See Below "Disclosure of Personal Information for Business Purpose" See Below "Disclosure of Business Purpose"
Inferences drawn from other personal information.	You, your family and agents Your computer, tablet and cell phone Real estate agents and brokers involved in the transaction Mortgage brokers, lenders and credit bureaus Surveyors, appraisers, abstractors, title plants, title searchers Lien searchers and clearance companies	whether as a going concern or as part of bankruptcy, liquidation, or similar proceeding, in which personal information held by us is among the assets transferred.

Disclosure of Personal Information for a Business Purpose

WFG DOES NOT SELL your information for monetary or other valuable consideration for marketing or any other purpose.

However, some of your information <u>does get shared</u>, and within the last 12 months has been shared with persons outside of the WFG family of companies in order to better facilitate and complete your transactions and for other business and commercial purposes.

For example:

- WFG may order property searches and examinations from title searchers, abstractors and title plants.
- WFG may use third parties to obtain tax information, lien information, mortgage payoff information, condominium, and homeowners' association information and payoff information.
- WFG may engage third parties to prepare documents in connection with your transaction.
- WFG may order surveys, appraisals, and inspections and/or communicate with those service providers.

Those services can't be ordered without providing basic information about the property involved, the parties, and/or the liens to those service providers.

- Within the WFG family of companies, we divide up the work to handle each closing most efficiently and to meet specific legal and licensing requirements. So certain parts of your closing (for example a search or disbursement) may be handled by another division or company within the WFG family.
- When it is time for signatures, your complete closing package may be sent to a mobile notary, remote online notary, or notary service company who will arrange to meet with you to sign documents. The notary will, in turn, send signed copies back to us along with copies of your driver's license or other identity documents usually by mail, UPS, Federal Express or other courier service and sometimes by email or another electronic transmission.
- Your deed, mortgage and other documents required to perfect or clarify title will be recorded with the local recorder of deeds.
- We may use an outside service to coordinate the recording or e-recording of those instruments, and they will receive copies of deeds, mortgages and other recordable documents to process, scan and send on to the recording office.
- Information and draft documents will pass back and forth between WFG and the lenders and mortgage brokers to facilitate your transaction.
- Information, including purchase agreements and amendments, will pass back and forth between WFG and the Real estate agents and brokers, lenders, the mortgage brokers and others facilitating the transaction; and
- Various government agencies get involved. The law requires us to provide certain information to the IRS, the US Treasury, local and state tax authorities, recorders of deeds and other governmental agencies.
- In resolving claims and mitigating losses, we may engage outside counsel and other service providers (such as surveyors and appraisers) to assist in resolving the claim.
- From time to time, we are required to respond to law enforcement, regulatory, and lender requests and as required by applicable law, court order, or governmental regulations.

Contact for More Information

If you have any questions or comments about this notice, our Privacy Statement, the ways in which we collect and use your personal information, your choices and rights regarding such use, or wish to exercise your rights under California law, please do not hesitate to contact us at:

- Emailing us at consumerprivacy@willistonfinancial.com
- Going to http://bit.ly/WFGsConsumerPrivacyInformationRequestPage
- Calling us at: 833-451-5718; or
- Going into any WFG office and making the request in person.

The business is not subject to requirements set forth section 999.317(g) of the California Consumer Privacy Act Regulations

Changes to Our Privacy Notice

We reserve the right to amend this privacy notice at our discretion and at any time. When we make changes to this privacy notice, we will notify you by email or through a notice on our website homepage.

Privacy Notice for Oregon Residents

We may not disclose personal or privileged information about you unless we provide you with a disclosure authorization form that is executed by you or your representative and otherwise complies with certain statutory requirements. Any such authorization is not valid for more than 24 months and may be revoked by you at any time, subject to the rights of anyone who relied on the authorization prior to your notice of revocation.

In addition, if your personal or privileged information was collected or received by us in connection with a title insurance transaction, we cannot disclose such information if the disclosure authorization form that you executed is more than one year old or if the requested disclosure is for a purpose other than a purpose expressly permitted by statute.

You have the right at any time to request in writing access to recorded personal information about you that is reasonably described by you and reasonably available to us. Within 30 days of the date of our receipt of any such written request from you, we will inform you of the nature and substance of any such information, permit you to see and copy that information or obtain a copy by mail, disclose the identity, if recorded, of the persons to whom we have disclosed such information during the previous two years, and provide you with a summary of the procedures by which you may request that such information be corrected, amended or deleted.

- Emailing us at <u>consumerprivacy@willistonfinancial.com</u>
- Calling us at: 833-451-5718; or
- Going into any WFG office and making the request in person.

Revised 12/31/19



PO Box 398 Camas, WA 98607 360.834.2519 www.kcdevelopment.net

PROVIDING SURVEYING AND PLANNING SERVICES WITH A PERSONAL COMMITMENT TO EXCELLENCE.

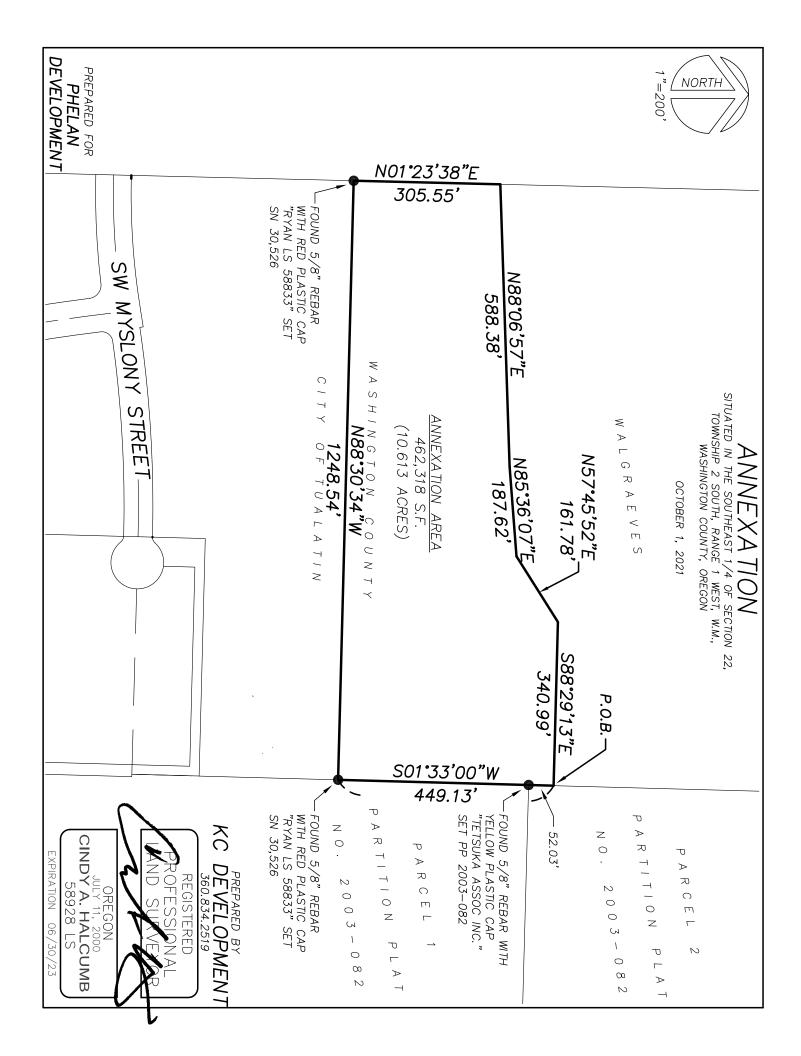
Walgraeves Annexation Legal Description October 1, 2021

A Portion of the Southeast 1/4 of Section 22, Township 2 South, Range 1 West, W.M., Washington County, Oregon, being more particularly described as follows:

Beginning at a point on the West line of Parcel 2, Partition Plat No. 2003-082, at a point which bears N01°33'00"E, 52.03 feet from the 5/8" Rebar with a Yellow Plastic cap marking the Southwest Corner thereof; thence along the West line of said Parcel 2, and continuing along the West line of Parcel 1 of said Partition Plat, S01°33'00"W, 449.13 feet to the 5/8" Rebar with a Red Plastic Cap inscribed "Ryan LS 58833" as set in Survey Number 30,526 at the Southeast Corner of Tract 2 of that Property Line Adjustment recorded in Document Number 2006-090121, Washington County Records, being also the City Limits Line; thence along the South line of said Tract 2 and said City Limits Line, N88°30'34"W, 1248.54 feet to the 5/8" Rebar with a Red Plastic Cap inscribed "Ryan LS 58833" as set in Survey Number 30,526 at the Southwest Corner of said Tract 2; thence along the West line of said Tract 2, N01°23'38"E, 305.55 feet; thence leaving said line, N88°06'57"E, 558.38 feet; thence N85°36'07"E, 187.62 feet; thence N57°45'52"E, 161.78 feet; thence S88°29'13"E, 340.99 feet to the Point of Beginning.

Containing 462,318 Square Feet (10.613 Acres).







Project No.:	Project: Malapaceus
Subject: Walgraeves Nei	Time: 6.00 Meeting Field Conversation ghorhoat Mtg Contact Info.: Zeem meeting CA
1. Dave Kierse 2. Cozette Tran-Co	ed quastions ligt: y Coaverer Kierseyandmemillian.com Hee (Trancafee Jane Powell.com) x (Lisa. Maxillips@nike.com).
No neighbors joined Meeting was Ended	the Zeom meeting. at 6:30 pm.
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4875 SW Griffith Drive Suite 300 Beaverton, OR 97005	

ZAMPELL TUALATIN LLC 3 STANLEY TUCKER DR NEWBURYPORT, MA 01950

WASHINGTON CO. FACILITIES MGMT. 169 N 1ST AVE #42 HILLSBORO, OR 97124

PHIGHT LLC ONE BOWERMAN DR BEAVERTON, OR 97005

TAMARISK TUALATIN LLC 1099 18TH STE 2900 DENVER, CO 80202

S BENNER HEATHERBRAE LLC & M BENNER HEATHERBRAE LLC 3329 WINTERCREEK CT EUGENE, OR 97405

PACIFIC METAL COMPANY 10700 SW MANHASSET DR TUALATIN, OR 97062

NDH LLC & HOLMES THOMAS L PO BOX 111 CANBY, OR 97013

MARSHALL ASSOCIATED LLC PO BOX 278 TUALATIN, OR 97062

MAJNARICH FAMILY LP 8338 SW 11TH AVE PORTLAND, OR 97219

LIGHTSPEED TECHNOLOGIES INC 11509 SW HERMAN RD TUALATIN, OR 97062 WETLANDS CONSERVANCY INC 4640 SW MACADAM AVE #50 PORTLAND, OR 97239

WALGRAEVE GARY & WALGRAEVE RICKY 11345 SW HERMAN RD TUALATIN, OR 97062

TUALATIN YARDS LLC 19100 SW 51ST AVE TUALATIN, OR 97062

SIDIEL LLC PO BOX 1696 BEAVERTON, OR 97075

PASCUZZI INVESTMENT LLC 10250 SW NORTH DAKOTA TIGARD, OR 97223

OFIPLEX OR LLC 5348 VEGAS DR LAS VEGAS, NV 89108

MYSLONY LLC 11555 SW MYSLONY ST TUALATIN, OR 97062

MARINE LUMBER COMPANY 11800 SW MYSLONY ST TUALATIN, OR 97062

LUMBER FAMILY CO LLC PO BOX 1427 TUALATIN, OR 97062

LIC LLC 7650 SW VILLAGE GREEN CIR WILSONVILLE, OR 97070 TUALATIN CITY OF 18880 SW MARTINAZZI AVE TUALATIN, OR 97062

TUALATIN CITY OF PO BOX 723597 ATLANTA, GA 31139

TUALATIN INDUSTRIAL VENTURES LLC 1101 SE TECH CENTER DR #160 VANCOUVER, WA 98683

SEASONAL PRODUCTS LLC 4112 NW SANDPIPER DR WOODLAND, WA 98674

PNWP LLC #5 6600 SW 105TH AVE STE 175 BEAVERTON, OR 97008

NORSTAR BUSINESS CENTER WEST #2 LLC PO BOX 1696 BEAVERTON, OR 97075

MORGAN WILLIAM RAY & JANICE ELLEN REV LIV TRUST 4500 SW ADVANCE RD WILSONVILLE, OR 97070

METRO 600 NE GRAND AVE PORTLAND, OR 97232

MANHASSET BUSINESS CENTER OWNERS ASSOC 1498 SE TECH CENTER PL #150 VANCOUVER, WA 98683

HEDGES A AN LLC PO BOX 15523 SEATTLE, WA 98115 HEDGES B AN LLC PO BOX 15523 SEATTLE, WA 98115

HEDGES D AN LLC PO BOX 15523 SEATTLE, WA 98115

CJO PROPERTIES LLC 14859 SW 162ND TER TIGARD, OR 97224

BENNETT LIV TRUST 10550 S KELLAND CT OREGON CITY, OR 97045

AW & JS ENTERPRISES LLC PO BOX 849 TUALATIN, OR 97062

112TH & MYSLONY JPMJD/USICV LLC 450 NEWPORT CENTER DR STE 405 NEWPORT BEACH, CA 92660 HEDGES C AN LLC PO BOX 15523 SEATTLE, WA 98115

GARSKE TRAVIS W PO BOX 729 COLBERT, WA 99005

CEDAR LANDSCAPE MAINTENANCE LLC 6107 SW MURRAY BLVD #175 BEAVERTON, OR 97008

BC CALKIN LLC PO BOX 3450 TUALATIN, OR 97062

AMU PROPERTIES LLC 20049 SW 112TH AVE TUALATIN, OR 97062

D&B PROPERTY LEASING LLC 8060 SW PFAFFLE ST STE 200 TIGARD, OR 97223 HEDGES D AN LLC PO BOX 15523 SEATTLE, WA 98115

FUJIMI CORPORATION 11200 SW LEVETON DR TUALATIN, OR 97062

BT PROPERTY LLC 55 GLENLAKE PKWY NE ATLANTA, GA 30328

AXIOM INDUSTRIES INC PO BOX 1147 TUALATIN, OR 97062

ABBOTT TUALATIN LLC 3030 BRIDGEWAY, STE 100 SAUSALITO, CA 94965

EVE LAND INVESTMENTS LLC PO BOX 19856 PORTLAND, OR 97280

12.

AFFIDAVIT OF MAILING NOTICE

STATE OF OREGON)) SS COUNTY OF WASHINGTON)

I, ALISON BAKER, being first duly sworn, depose and say:

SUBSCRIBED AND SWORN to before me this _____ day of _____ day of ______ 20_2).

RE: WALGRAGES NEIGHTBORHOOD MEETING



Notary Public for Oregon My commission expires: 01 20 2024

NOTICE OF NEIGHBOR/DEVELOPER MEETING

9/1/2021

AAI Engineering 4875 SW Griffith Dr, #100 Beaverton, Oregon 97005

RE: Walgraeves Industrial Park.

Dear Property Owner,

You are cordially invited to attend an online meeting on Sept. 16, 2021 at 6:00pm. This meeting shall be held to discuss an Annexation application and an Architecture Review application for the same property. It is important to note that the property under consideration is not the entire lot. Rather, the project site is a portion of the property to the south that will take access off of SW Myslony Street, NOT SW Herman Rd.

This will be a FREE online meeting.

Please join the meeting from a computer, tablet or smartphone. https://zoom.us/join

Meeting ID: 823 5620 3004 Passcode: 611526

You can also dial in using your phone. United States: (253) 215-8782

This is an informational meeting to share the development proposal with interested neighbors. You will have the opportunity to review preliminary plans and identify topics of interest or consideration. Feel free to contact me with any questions or commentary.

Regards,

Beth Zauner AAI Engineering, Inc. 503-620-3030; bethz@aaieng.com

CERTIFICATION OF SIGN POSTING

NOTICE
NEIGHBORHOOD /
DEVELOPER MEETING
//2010 _:m.
SW
503

In addition to the requirements of TDC 32.150, the 18" x 24" sign must display the meeting date, time, and address as well as a contact phone number. The block around the word "NOTICE" must remain **orange** composed of the **RGB color values Red 254, Green 127, and Blue 0**. A PowerPoint template of this sign is available at: <u>https://www.tualatinoregon.gov/planning/land-use-application-sign-templates.</u>

As the applicant for the <u>klalqkaeves</u>	project, I hereby	
certify that on this day, $\frac{9/2}{2021}$ sign(s) was/were posted on the subject property in accordance with		
the requirements of the Tualatin Development Code and the Community Development Division.		
Applicant's Name: Beth Zauner (Please Print) Applicant's Signature:	-	
Date: 9/2/2021	ž i	



WALGRAVES INDUSTRIAL PARK

11345 SW Herman Road Pre-Application Meeting Summary

Thank you for discussing your proposed industrial development project. Below you will find a summary of our discussion points. If there is anything else from our meeting that you wish to document, please respond with your notes as well. Thank you.

Required Land Use Reviews

Submit electronically via eTrakit: https://permits.ci.tualatin.or.us/eTrakit/.

Neighborhood/Developer meeting

- Holding a Neighborhood/Developer meeting is required for both Annexation and Architectural Review applications. The same meeting may be used for both applications.
- Neighborhood/Developer meetings should generally be held no more than six months prior to application. More detailed information about this meeting, is online here: <u>https://www.tualatinoregon.gov/planning/neighborhood-developer-meetings</u>
- Applicants are responsible for mailing and posting notice of your Neighborhood Developer meeting. The City can provide a list of addresses for your notice letters. This mailing list includes neighboring property owners, but communicating with your current residents is also encouraged to proactively address concerns. Please email us at <u>planning@tualatin.gov</u>to request a Mailing List for a \$32 fee.

Property Line Adjustment (PLA) Application Considerations:

- A portion of the property is located within Tualatin city limits, though Ordinance 1218-06.
- Minimum lot size in the Tualatin MG zoning district is 20,000 square feet Table 60-2
- Washington County zoning is FD-10.

Annexation:

- An annexation application based on legal description may be submitted concurrent with the property line adjustment (PLA) application.
- Findings regarding proposed connection to public sanitary sewer, stormwater, and water systems should be described in your narrative. Further comments regarding the available systems are under Public Utilities below.
- Application packet: <u>https://www.tualatinoregon.gov/planning/annexation-ann-application</u>
- Work with Washington County Assessment and Taxation's Cartography staff to obtain a certified tax map and have your other application forms certified: https://www.co.washington.or.us/AssessmentTaxation/GISCartography/index.cfm

• Examples of recent annexation applications are found on our projects website: <u>https://www.tualatinoregon.gov/projects?term_node_tid_depth=All&field_project_status_valu_e=All&field_project_type_tid=All&keys=ANN</u>

Architectural Review Application:

Type III Land Use Decision – See <u>TDC 33.020(3)</u> <u>https://www.tualatinoregon.gov/sites/default/files/fileattachments/planning/page/5081/ar_instruction</u> <u>s_2019_withforms.pdf</u>

Type III AR applications and examples for industrial development found here: <u>https://www.tualatinoregon.gov/planning/ar-19-0008-tualatin-industrial-park</u>

Criteria to address for your AR narrative includes:

- Tualatin Municipal Code:
 - o <u>03-02: Sewer Regulations;</u>
 - o <u>03-03: Water Service;</u>
 - o <u>03-05: Soil Erosion, Surface Water Management, Water Quality Facilities, and Building &</u> <u>Sewers;</u>
- Tualatin Development Code:
 - o <u>32: Procedures;</u>
 - o <u>33.020: Architectural Review;</u>
 - o <u>33.110: Tree Removal Permit/Review;</u>
 - o <u>61: General Manufacturing Zone;</u>
 - o 63: Industrial Uses Environmental Regulations;
 - o <u>70: Floodplain District</u>
 - o <u>72: Natural Resource Project Overlay District</u>
 - o <u>73A</u>, <u>73B</u>, and <u>73C: Design Standards;</u>
 - o <u>74: Public Improvements</u>
 - o <u>75: Access Management</u>

Type III Timeline:

- AR application may be submitted while the Annexation application is being processed. Please note that the ARB hearing will only be scheduled once the annexation boundary change is recorded with Metro and the Department of Revenue and the PLA survey and deed are recorded with the County. Be advised that final action on a complete land use application may be extended at the applicant's request. The total of all extensions must not exceed 245 days, per ORS 227.178.
- Decided by Architectural Review Board, meets as needed on Wednesdays: https://www.tualatinoregon.gov/arb
 - ps.//www.tualatinoregoii.gov/arb
 - 30 day Completeness Review
 Hearing typically scheduled within 60
 - Hearing typically scheduled within 60 days of complete application. Decision typically issued with 7 days of hearing, unless hearing is continued or appealed. Final local decision must be within 120 days of complete application, unless extended by applicant.
 Notice of Hearing:
 - Notice of Hearing:
 - \circ 20 day prior to hearing
 - o Those who comment gain standing for potential appeal

- Notice of Decision:
 - 14 day appeal period opportunity to appeal decision to City Council

Highlighted Site Design Standards

Permitted and conditional uses are listed in <u>Table 61-1</u>, and use categories are described in <u>Chapter 39</u>. Manufacturing and warehousing are permitted within the MG zone; however a conditional use permit is required for the warehousing of building materials and supplies.

- <u>TDC 73A.500(1)</u>: Walkways must be provided between the main building entrances and other on-site buildings, accessways, and sidewalks along the public right-of-way;
- <u>TDC 73B.020(3)</u>: The MG zones requires a minimum of 15% landscaping of the total area to be developed.
- <u>TDC 73B.060(1)</u>: Minimum 5-foot-wide landscaped area must be located along all building perimeters viewable by the general public from parking lots or the public right-of-way, but the following may be used instead of the 5-foot-wide landscaped area requirement
- TDC 73C.20(4) Landscape island required for every eight continuous parking stalls
- <u>TDC 73D.010(1)</u>: The requirements of the waste and recyclables management standards apply to all new industrial developments.

Tree Removal:

Tree removal is reviewed under the Architectural Review application. A tree preservation plan and a tree assessment report prepared by a certified arborist are required to address the approval criteria for tree removal found in <u>TDC 33.110(5)</u>.

Natural resources:

Clean Water Services will comment on additional natural resource, through their Review process. The Service Provider Letter from CWS is a requirement of a complete land use or Engineering permit submittal. For more information, see http://www.cleanwaterservices.org/permits-development/step-by-step-process/environmental-review/

- Wetland Conservation Natural Areas (NRPO-WCNA) and Open Space Preservation District (OSNA) overlays are located on or within the project vicinity, as shown on Figure 72-1.
- With exceptions, listed in <u>TDC 72.060(2)</u>, no building, structure, grading, excavation, placement of fill, vegetation removal, impervious surface, use, activity or other development shall occur within the Wetland and Open Space Natural Areas.
- Criteria for determining significant natural resources that are identified on Figure 72-3 are listed in TDC 72.011.



Natural Resources

Natural Resources Protection Overlay District Wetland Preservation District Wetland Conservation District Open Space Preservation District Greenway

Public Utilities and Other Site Development

- Request available public utility as-builts by emailing <u>tdoran@tualatin.gov</u>.
- Apply for Tualatin Erosion Control, Public Works, and Water Quality Permits electronically via eTrakit: <u>https://permits.ci.tualatin.or.us/eTrakit/</u>. The Flood Hazard Area Development Permit application may be available online.
 - An Erosion Control permit is required from Tualatin for projects disturbing over 500 square feet.
 - Additionally if between one and five acres are disturbed, a 1200CN is needed from CWS.
 - If over five acres are disturbed, a 1200C is needed from DEQ.
- FEMA identified 100-year/1% annual-chance/Base Flood is shown varying through this vicinity with elevations from approximately 134.6 to 142.1 feet, NAVD 1988.
 - TMC 3-5-250 and TDC 70 requirements are for up to the 100-year/1% annualchance/Base Flood.
 - A free floodplain permit will be needed. Elevation certificates for structures must be submitted for Construction Drawings and Final Construction.
 - o Balanced cut-and fill within the floodplain must be reflected on permit plan sheets.

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- A Water Quality Permit is needed for construction and modification of public and private impervious areas. The permit will include wetland mitigation/revegetation required by CWS SPL in addition to treatment, detention as required for conveyance, and hydromodification per CWS D&CS Ch 4.
 - Include all private stormwater treatment and conveyance within a maintenance agreement including existing facilities.
 - For water quality permit application completeness submit stormwater plans and calculations certified by an Oregon registered, professional engineer in accordance with TMC 3-5-390(1) proving proposed systems:
 - In accordance with TMC 3-5-200 through 3-5-430, TDC 74.630 and 74.650, Public Works Construction Code (PWCC), and Clean Water Services' (CWS) Design and Construction Standards (D&CS) Chapter 4.
 - Show onsite facilities for proposed new and modified impervious areas.
 - Address runoff from all new and modified private impervious areas.
 - Treat new and modified impervious areas in accordance with CWS D&CS
 4.08.1.d meeting phosphorous removal in accordance with TMC 3-5-350 per the design storm in accordance with TMC 3-5-360 and CWS D&CS 4.08.2.
 - Detain up to the 25 year storm event in accordance with the Hedges Creek Subbasin, TMC 3-5-220, TMC 3-5-230, and CWS D&CS 4.08.
 - Accommodate hydromodification in accordance with CWS D&CS 4.03.5.

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- Include conveyance calculations that accommodates up to a 25-year storm event with 100-year overland flow to the public stormwater system in accordance with TDC 74.640 and CWS D&CS 5.05.2.d.
 - Downstream evaluation with a maximum of 82% capacity within public lines per TMC 3-5-210 Review of Downstream System
- Demonstrate compliance with the Clean Water Services' Service Provider Letter CWS conditions sufficient to obtain a Stormwater Connection Permit Authorization Letter in accordance with TDC 74.650(2) and CWS D&CS 3.01.2(d).
- If the proposed water quality facility includes infiltration in the design, a Geotech/soil/infiltration report will need to be submitted to Engineering for a complete land use application.
- A Public Works Permit is needed for any sanitary sewer, stormwater, or water line work within right-of-way or public easements.
 - Public sanitary sewer is within SW Myslony Street and a public easement meandering from SW 112th Avenue to the northeast.
 - Public stormwater and water lines exist within SW Myslony Street. Hedges Creek may be a location for direct private stormwater release.
 - Dedication and construction of SW Myslony Street to the west of SW 112th Avenue may be allowed to match the existing bridge crossing Hedges Creek pending Traffic Impact Analysis confirmation.
 - SW Myslony Street from the west side of SW 112th Avenue to the east would match a Connector cross-section with the addition of a 12-foot wide multi-use path on the north side instead of a 6-foot wide sidewalk. This path would need to connect to the southwest corner of the intersection of SW 112th Avenue and SW Mylony Street.
 - A public stormwater treatment and detention facility is needed to treat the right-of-way which could include a LIDA facility within a planter strip. The existing public facility at the southwest corner of SW 112th Avenue and SW Myslony Street is currently proposed to be modified to accommodate the eastern extension of SW Myslony Street. If there is consideration to modify it again for this project, there could be inclusion of requirements of this development to only modify once.
- SW Herman Road is expected to become access restricted by the Railroad in the future, therefore access of all developable areas must be enabled access to SW Mylony Street. A 24foot wide access to SW Myslony Street must be extended to serve any remaining lots between the railroad tracks and SW Myslony Street. A public utility easement including sanitary sewer, stormwater, water, and franchises must be recorded. A conceptual plan for extension of the access and these utilities must be provided to prove acceptable easement locations.
- Driveways must be a minimum of 150 feet from the intersection of the local street and Collectors such as SW 112th Avenue and SW Myslony Street. A possibility of a fourth leg to this intersection may be discussed.
 - o TDC 75.040. Driveway Approach Requirements
- Record an 8-foot wide public utility easement adjacent to right-of-way. Underground utilities unless over 50kv (then associated existing utilities may remain above).
 - Work directly with PGE regarding any existing lines and poles vs what they will require to serve your site.
 - Your conversations with PGE may result in their request of special circumstances to the City. Please provide us PGE's response early so we can provide any needed input.

- Hydraulic Modeling is required for over 48,300 square footage of new building area, 870 gallons/acre/day use, and/or more than 49 residential units. Hydraulic Modeling may be requested in advance of application for a land use to confirm availability and requirements, but may need to be updated depending on changes due to conditions of approval. When submitting a modeling application include:
 - Requirements/alternatives allowed by Tom Mooney, TVF&R (503) 259-1419; thomas.mooney@tvfr.com
 - Hydrant flow test results. Request testing via https://www.tualatinoregon.gov/publicworks/hydrant-flow-tests. For questions contact Terrance Leahy, Water Division Manager, (503) 691-3095; tleahy@tualatin.gov
 - After submittal Staff will coordinate with you regarding payment of the fee per the current <u>fee schedule</u>. (Currently \$300/building)

Transportation and Site Access

• Your transportation engineer must contact Mike McCarthy, Principal Traffic Engineer, mmccarthy@tualatin.gov (please also copy tdoran@tualatin.gov) to confirm proposed Traffic Impact Analysis scope. Mike will coordinate with any other applicable agencies and jurisdictions. Mike may also be reached at (503) 691-3674.

Fire

- Tom Mooney, TVF&R (503) 259-1419; thtps://doi.org/10.1016/journal.com)
- A TVF&R Service Provider Letter will be required as part of your Architectural Review submittal, apply here: <u>https://protect-us.mimecast.com/s/2I9QC1wPByIBNqETLICJc?domain=tvfr.com</u>
- Flow testing: Terrance Leahy, Water Division Manager, (503) 691-3095; tleahy@tualatin.gov)

Parks

- The regional Ice Age Tonquin Trail is proposed along this property.
- Rich Mueller, Parks Planning & Development Manager (503) 691-3064; <u>rmueller@tualatin.gov</u>

Fees

- Current fee schedule: <u>https://www.tualatinoregon.gov/finance/fee-schedule</u>
- For calculating SDC fees, please work with Lauren Gonzalez, <u>lgonzalez@tualatin.gov</u>



November 22, 2021

MIKE DEARMEY PHELAN DEVELOPMENT COMPANY 450 NEWPORT CENTER DRIVE, SUITE 405 NEWPORT BEACH, CA 92660

RE: LOT LINE ADJUSTMENT | SW HERMAN ROAD | TUALATIN OR CWS FILE NO. 20-002007 (Tax map 2S122D0 Tax lot 00550, 551, 552)

Clean Water Services has received your Sensitive Area Certification and assessment for the above referenced site. District staff has reviewed the submitted materials including site conditions and the description of your project. Staff concurs that the above referenced project will not significantly impact the existing Sensitive Areas found near the site. In light of this result, this document will serve as your Service Provider letter as required by Resolution and Order 19-5, Section 3.02.1, as amended by Resolution and Order 19-22. Per Section 3.09.2.c, requirements for easements, tracts and improvements to the Vegetated Corridor will apply to subsequent land use or development applications on the subject properties. All required permits and approvals must be obtained and completed under applicable local, state, and federal law.

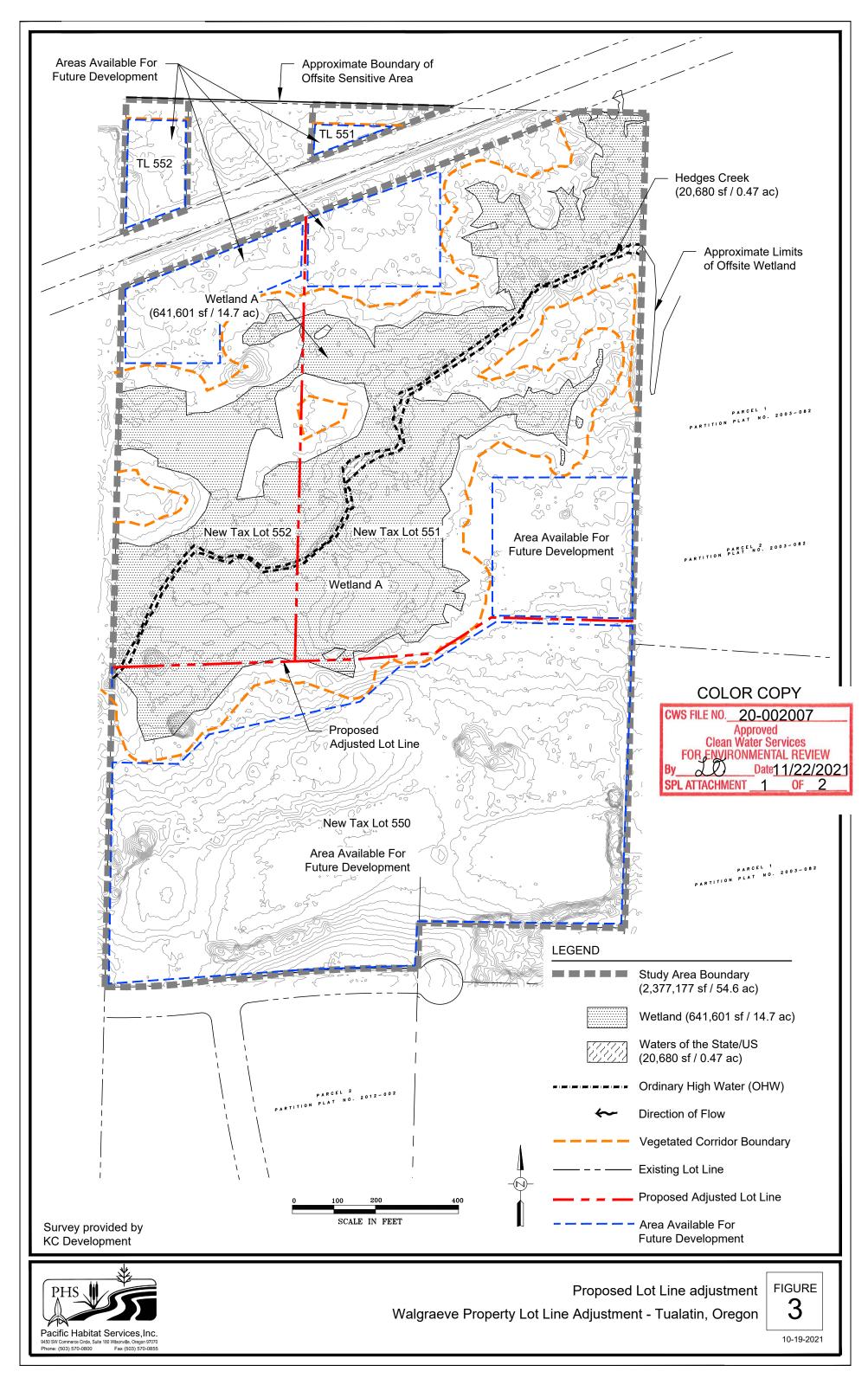
This letter does NOT eliminate the need to protect Sensitive Areas if they are subsequently identified on your site.

If you have any questions, please feel free to call me at (503) 681-3653.

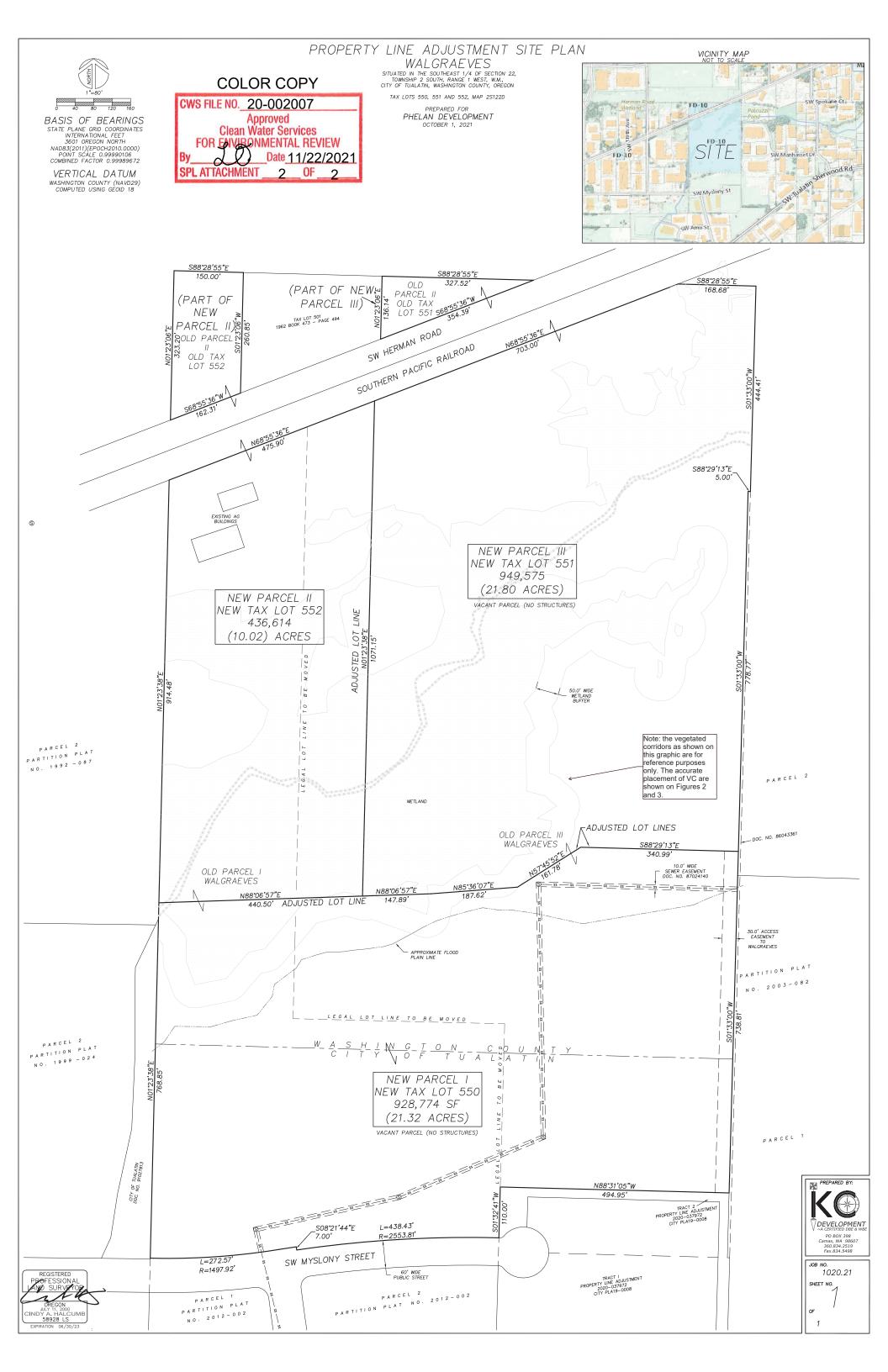
Sincerely,

Lindsey Plarmiller

Lindsey Obermiller Environmental Plan Review Attachment (2)



C:\Users\Lisa\Desktop\WorkFromHome\6904 Walgrave Property\AutoCAD\Plot DWGs\NRA Figures\Fig3 LotLine-Adjust.dwg, 10/20/2021 9:28:45 AM, AutoCAD PDF (High Quality Print).pc3





CWS File Number

22-000820

This form and the attached conditions will serve as your Service Provider Letter in accordance with Clean Water Services Design and Construction Standards (R&O 19-5, as amended by R&O 19-22).

Service Provider Letter

Jurisdiction:	Washington County	Review Type:		Tier 2 Analysis		
Site Address / Location:			March 29, 2022 March 28, 2024			
Applicant Infor	mation:	Owner Informa	ation:			
Name	MIKE DEARMEY	Name				
Company	CV QOZP HEDGES CREEK LLC	Company		P HEDGES CR		
Address	450 NEWPORT CENTER DRIVE NEWPORT BEACH, CA 92660 SUITE 405	Address		/PORT CENTE RT BEACH, CA 05		
Phone/Fax	(714) 330-0759	Phone/Fax	(714) 330)-0759		
E-mail:	mdearmey@phelandevco.com	E-mail:	mdearme	ey@phelandevo	co.com	
2S122D0005	Tax lot ID 550	Light Indust	Develo rial Develop	ppment Activity ment	/	
Sensitive Area F Vegetated Corrio Vegetated Corrio	dor Width: <u>50</u>	Sensitive Area Vegetated Cor		X On-Site Variable	X Off-Site	
Enhancement of Vegetated Corr		Square Foota	ge to be en	hanced:	23,696	
Buildings, Parkir	Encroachments into Pre-De on of Encroachment: ng (Permanent Encroachment; Mitigation Requi cess (Temporary Encroachment; Restoration P	ired)		: 	Square Footage: 21,574 254	
	Mitigation	Requirements:				
	VC Mitigation Requirement Met Through Purch or Public Benefit to Water Quality	ase of Wetland Mitig	ation Bank (Credits	Sq. Ft./Ratio/Cost 21,574 13,652	
This Service	Attached X Development Figures Attached Provider Letter does NOT elimin eas if they are subsequently disco	ate the need to		e and prote	Report Required	

In order to comply with Clean Water Services water quality protection requirements the project must comply with the following conditions:

- 1. No structures, development, construction activities, gardens, lawns, application of chemicals, uncontained areas of hazardous materials as defined by Oregon Department of Environmental Quality, pet wastes, dumping of materials of any kind, or other activities shall be permitted within the sensitive area or Vegetated Corridor which may negatively impact water quality, except those allowed in R&O 19-5, Chapter 3, as amended by R&O 19-22.
- 2. Prior to any site clearing, grading or construction the Vegetated Corridor and water quality sensitive areas shall be surveyed, staked, and temporarily fenced per approved plan. During construction the Vegetated Corridor shall remain fenced and undisturbed except as allowed by R&O 19-5, Section 3.06.1, as amended by R&O 19-22 and per approved plans.
- 3. Prior to any activity within the sensitive area, the applicant shall gain authorization for the project from the Oregon Department of State Lands (DSL) and US Army Corps of Engineers (USACE). The applicant shall provide Clean Water Services or its designee (appropriate city) with copies of all DSL and USACE project authorization permits.
- 4. An approved Oregon Department of Forestry Notification is required for one or more trees harvested for sale, trade, or barter, on any non-federal lands within the State of Oregon.
- Prior to any ground disturbing activities, an erosion control permit is required. Appropriate Best Management Practices (BMP's) for Erosion Control, in accordance with Clean Water Services' Erosion Prevention and Sediment Control Planning and Design Manual, shall be used prior to, during, and following earth disturbing activities.
- 6. Prior to construction, a Stormwater Connection Permit from Clean Water Services or its designee is required pursuant to Ordinance 27, Section 4.B.
- 7. Activities located within the 100-year floodplain shall comply with R&O 19-5, Section 5.10, as amended by R&O 19-22.
- 8. Removal of native, woody vegetation shall be limited to the greatest extent practicable.
- 9. The water quality swale and detention pond shall be planted with Clean Water Services approved native species, and designed to blend into the natural surroundings.
- 10. Should final development plans differ significantly from those submitted for review by Clean Water Services, the applicant shall provide updated drawings, and if necessary, obtain a revised Service Provider Letter.
- 11. The Vegetated Corridor width for sensitive areas within the project site shall be a minimum of 50 feet wide, as measured horizontally from the delineated boundary of the sensitive area.
- 12. For Vegetated Corridors up to 50 feet wide, the applicant shall enhance the entire Vegetated Corridor to meet or exceed good corridor condition as defined in R&O 19-5, Section 3.14.2, Table 3-3, as amended by R&O 19-22.
- 13. Removal of invasive non-native species by hand is required in all Vegetated Corridors rated "good."" Replanting is required in any cleared areas larger than 25 square feet using low impact methods. The applicant shall calculate all cleared areas larger than 25 square feet prior to the preparation of the required Vegetated Corridor enhancement/restoration plan.
- 14. Prior to any site clearing, grading or construction, the applicant shall provide Clean Water Services with a Vegetated Corridor enhancement/restoration plan. Enhancement/restoration of the Vegetated Corridor shall be provided in accordance with R&O 19-5, Appendix A, as amended by R&O 19-22, and shall include planting specifications for all Vegetated Corridor, including any cleared areas larger than 25 square feet in Vegetated Corridor rated ""good.""
- 15. Prior to installation of plant materials, all invasive vegetation within the Vegetated Corridor shall be removed per methods described in Clean Water Services' Integrated Pest Management Plan, 2019. During removal of invasive vegetation care shall be taken to minimize impacts to existing native tree and shrub species.
- 16. Clean Water Services and/or City shall be notified 72 hours prior to the start and completion of enhancement/restoration activities. Enhancement/restoration activities shall comply with the

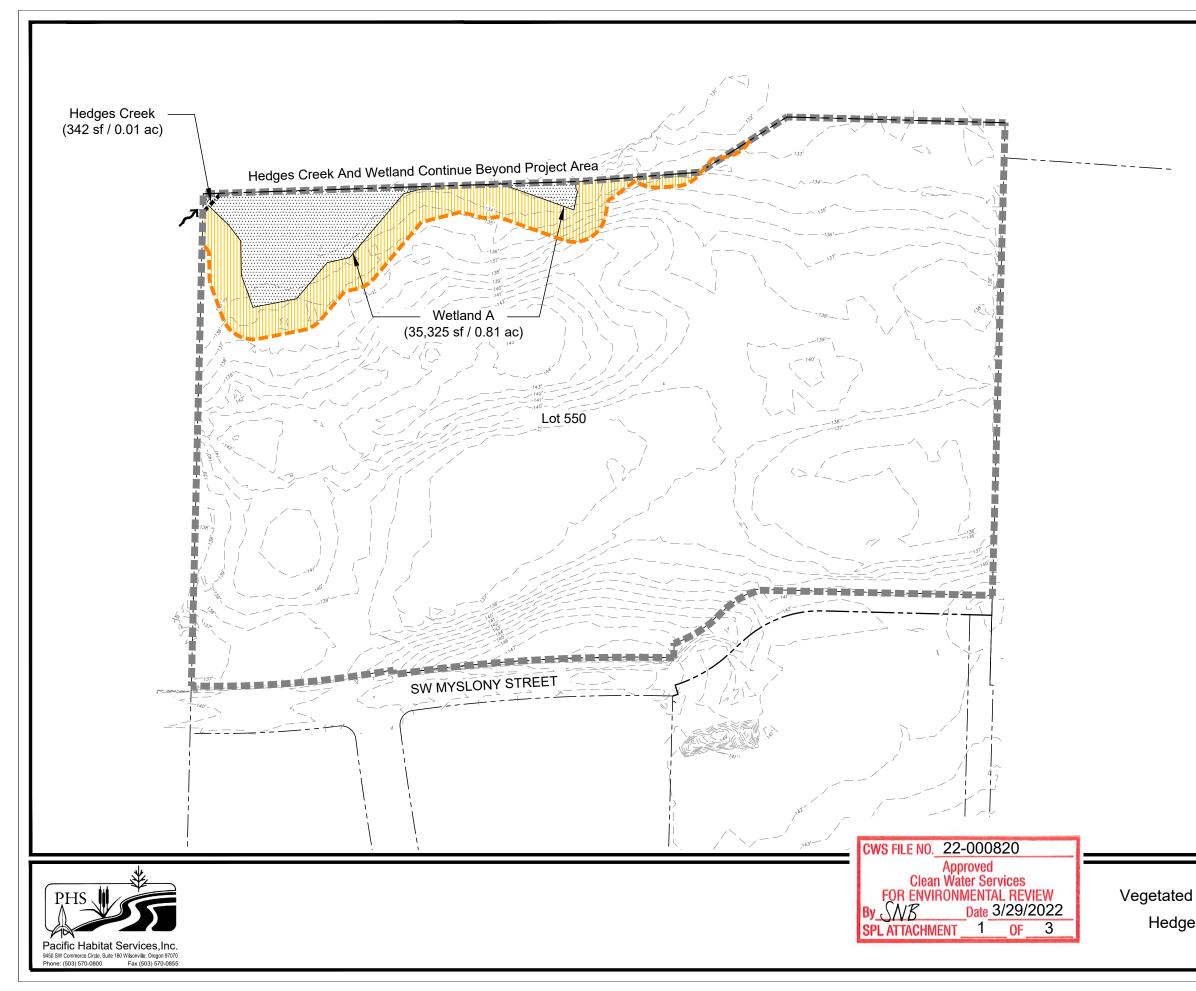
guidelines provided in Planting Requirements (R&0 19-5, Appendix A, as amended by R&O 19-22).

- 17. Maintenance and monitoring requirements shall comply with R&O 19-5, Section 2.12.2, as amended by R&O 19-22. If at any time during the warranty period the landscaping falls below the 80% survival level, the owner shall reinstall all deficient planting at the next appropriate planting opportunity and the two year maintenance period shall begin again from the date of replanting.
- 18. Performance assurances for the Vegetated Corridor shall comply with R&O 19-5, Section 2.07.2, Table 2-1 and Section 2.11, Table 2-2, as amended by R&O 19-22.
- 19. Clean Water Services shall require an easement over the Sensitive Area and Vegetated Corridor conveying storm and surface water management to Clean Water Services or the City that would prevent the owner of the Vegetated Corridor from activities and uses inconsistent with the purpose of the corridor and any easements therein.
- 20. **Final construction plans shall include landscape plans**. In the details section of the plans, a description of the methods for removal and control of exotic species, location, distribution, condition and size of plantings, existing plants and trees to be preserved, and installation methods for plant materials is required. Plantings shall be tagged for dormant season identification and shall remain on plant material after planting for monitoring purposes.
- 21. A Maintenance Plan shall be included on final plans including methods, responsible party contact information, and dates (minimum two times per year, by June 1 and September 30).
- 22. Final construction plans shall clearly depict the location and dimensions of the sensitive area and the Vegetated Corridor (indicating good, marginal, or degraded condition). Sensitive area boundaries shall be marked in the field.
- 23. Protection of the Vegetated Corridors and associated sensitive areas shall be provided by the installation of permanent fencing and signage between the development and the outer limits of the Vegetated Corridors. Fencing and signage details to be included on final construction plans.

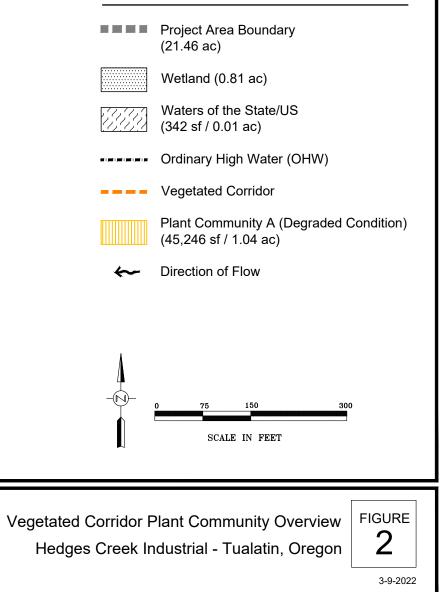
This Service Provider Letter is not valid unless CWS-approved site plan is attached.

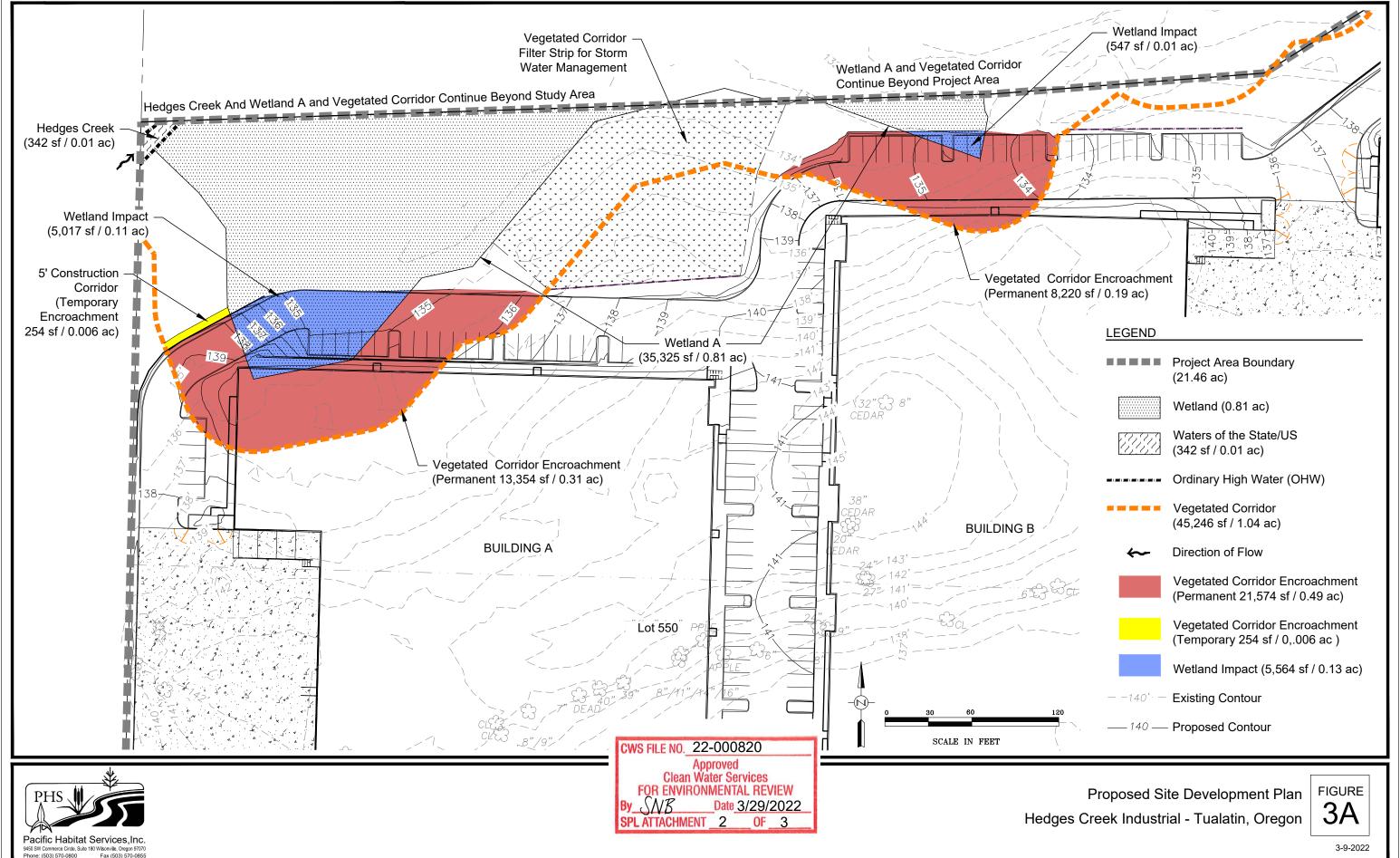
Stacy Benjam¹n Environmental Plan Review

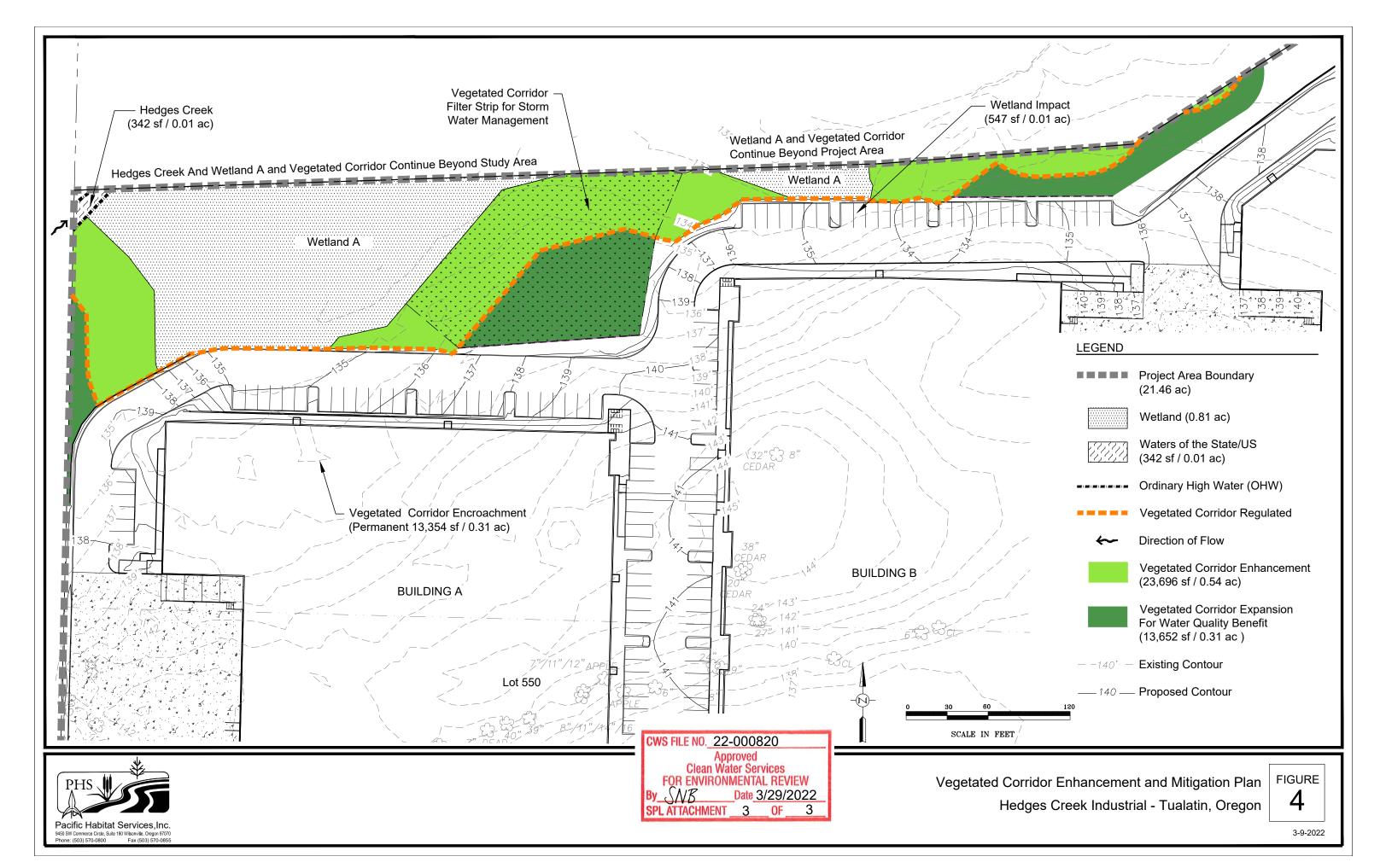
Attachments (3)



LEGEND







Natural Resource Assessment for Lot Line Adjustment on the Walgraeve Parcels in Tualatin

Prepared for

Phelan Development Company LLC Attn: Mike DeArmey 450 Newport Center Dr, Suite 405 Newport Beach, CA 92660

Prepared by

Shawn Eisner

Pacific Habitat Services, Inc.

9450 SW Commerce Circle, Suite 180 Wilsonville, Oregon 97070 (503) 570-0800 (503) 570-0855 FAX PHS Project Number: 6904

October 22, 2021



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APPENDIX A:	Figures
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APPENDIX C:	Photo Documentation

1.0 INTRODUCTION

Pacific Habitat Services, Inc. (PHS) conducted a Natural Resources Assessment (NRA) on three parcels located along Herman Road in Tualatin (Township 2 South, Range 1 West, Section 22D, tax lots 550, 551 & 552). The largest parcel is lot 550, which includes property south of Herman Road. Lots 551 and 552 are much smaller and are located north of Herman Road. These three parcels are proposed for lot line adjustments that will decrease the size of lot 550; extending lots 551 and 552 to include land south of Herman Road.

This report is submitted in compliance with requirements as established by Clean Water Services (CWS) for a Simplified Site Assessment. A Simplified Site Assessment is proposed in accordance with the proposed development action, which entails lot line adjustments of the three lots noted above. A Simplified Site assessment is satisfactory for this project because it does not result in additional impervious surface; does not include development that could encroach closer to existing sensitive areas; and no action is proposed on a slope greater than 25%. Figure 1 shows the project location; Figure 2 includes existing conditions, including slopes and the corresponding limits of vegetated corridor (VC), and Figure 3 includes a drawing of the proposed lot line adjustments. All figures are in Appendix A.

2.0 EXISTING CONDITIONS

The study area is split by Herman Road and the adjoining Southern Pacific Railroad, though the northern lots are just 1.0 and 0.5 acres in size; much smaller than lot 550 to the south, which is over 53 acres in size. All three parcels are actively utilized for agriculture. Lot 552 includes a cultivated northern portion with overgrown shrub and mowed grass lands across its southern extent. Lot 551 has been a cultivated field for decades. The northwest corner of lot 550 includes two agricultural buildings, with all but the southern extent of the lot being utilized for grazing of cattle. The southern extent includes fields planted in various agricultural crops from year to year.

Hedges Creek flows northeastward across the central portion of lot 550. Vegetation within the noncultivated areas reflects disturbance associated with a history of grazing. Despite the grazing however much of the parcel remains forested and includes both evergreen and deciduous dominated habitats. The forested areas are dominated by a native tree canopy, with shrub cover in forested areas also largely native. The remaining areas include a mosaic of shrub dominated and herbaceous habitats. These areas by contrast are largely non-native, and including primarily pasture grasses and weedy forbs, with Himalayan blackberry the single most common shrub species.

3.0 DISCUSSION OF WATER QUALITY SENSITIVE AREAS

PHS delineated sensitive areas within the project area based on the presence of wetland hydrology, hydric soils, and hydrophytic vegetation; in accordance with the Routine On-site Determination, as described in the *Corps of Engineers Wetland Delineation Manual, Wetlands Research Program Technical Report Y-87-1* ("The 1987 Manual") and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region*, May 2010). The field work on this site began with a delineation of sensitive areas on lot 550 on July 1, 2020. The full site was returned to on September 15, 2021, at which time lots 551 and 552 were assessed and additional delineation and vegetated corridor data collected.

The results of the delineation are discussed below, with supporting wetland delineation data forms included in Appendix B.

Wetland A

Wetland A (14.73 acres) is a mosaic of forested, shrub and herbaceous habitat that dominates the Hedges Creek floodplain. The wetland roughly parallels the creek, extending several hundred feet to both sides. Though slopes generally decrease toward the creek, they are gentle and topography undulates a bit, resulting in variations in site hydrology, and even some areas of upland within the larger wetland area.

The swale's Cowardin class ranges from palustrine emergent through scrub-shrub and forested, with a hydrologic modifier of seasonally flooded in the areas adjoining Hedges Creek. The north and southern limits of wetland do not appear to be seasonally flooded, though would appear to be seasonally saturated, as evidenced by the abundance of oxidized rhizospheres. While the hydrogeomorphic (HGM) class is Slope, largely due to its moderate to shallow gradient and groundwater sources, seasonal overbank flooding along Hedges Creek would result in a limited area of Riverine flow-through as well.

Dominant vegetation is somewhat variable, but because of grazing, is generally dominated by mixed pasture grasses and weedy forbs. Shrubby areas are dominated by Himalayan blackberry, though there remain a few small, forested areas that are dominated by Oregon ash. Like the more open areas, the understory in forested areas has been grazed. Common shrubs include Himalayan blackberry, several species of rose, and snowberry. The herbaceous layer, where present, generally includes the same grass and forb species as the open areas.

4.0 VEGETATED CORRIDOR ASSESSMENT

The following assessment is limited to the determination of VC width as an assessment of VC condition is not required for a simplified assessment associated with a lot line adjustment because this development activity does not trigger enhancement requirements.

4.1 Vegetated Corridor Width Determination

The slopes adjacent to all sensitive areas were assessed to determine the regulated width of the VC. The location of the VC, adjacent slopes and corridor widths are shown on Figure 2. The regulated VC widths of identified sensitive areas were determined as follows:

Table 1. Summary of VC Widths

Sensitive Areas	VC Width	Justification
Onsite floodplain wetlands associated with Hedge Creek; offsite wetlands to the north and east	50 feet	 >0.5 acres Slopes <25%
Small, isolated areas located south of the larger floodplain wetland	25 feet	 ≤0.5 acres and isolated Slopes <25%

As slopes are generally quite gentle across all three existing lots and the main wetland is much larger than one-half acre in size, most VC widths across the site are 50 feet wide. There are two small areas of wetland separated from the larger wetland by about 20 feet. As these areas are not subject to inundation that would provide a connection between the wetlands and Hedge Creek (except during periods of extensive flooding), these isolated wetlands have a VC width of 25 feet.

The total area of regulated VC within the 3 lots is 384,379 square feet (8.82 acres). As the proposed action is a property line adjustment and no physical development will occur, this simplified site assessment does not include a determination of plant community boundaries or assessment of community condition.

5.0 PROPOSED PROJECT

The proposed project includes the adjustment of common lines between lots 550, 551 and 552 (see Figure 3). The result of adjustment will be an increase in the size of lots 551 and 552, which will extend south of Herman Road; the size of lot 550 will be decreased in proportion. Following line adjustment lot 550 will be annexed into the City of Tualatin, whereas lots 551 and 552 will remain in Washington County. To affirm that each of the proposed lots will be buildable under current CWS D&C standards Figure 3 roughly identifies the limits of potential development areas on each lot. Though no development is proposed on lot 550, a 30 foot wide access easement will be provided across the east side of lot 550, to provide legal access from the right of way of Myslony Street north to the south end of proposed lot 551. Sheet 1 (following Figure 3) includes the details of the proposed properly line adjustment.

6.0 REFERENCES

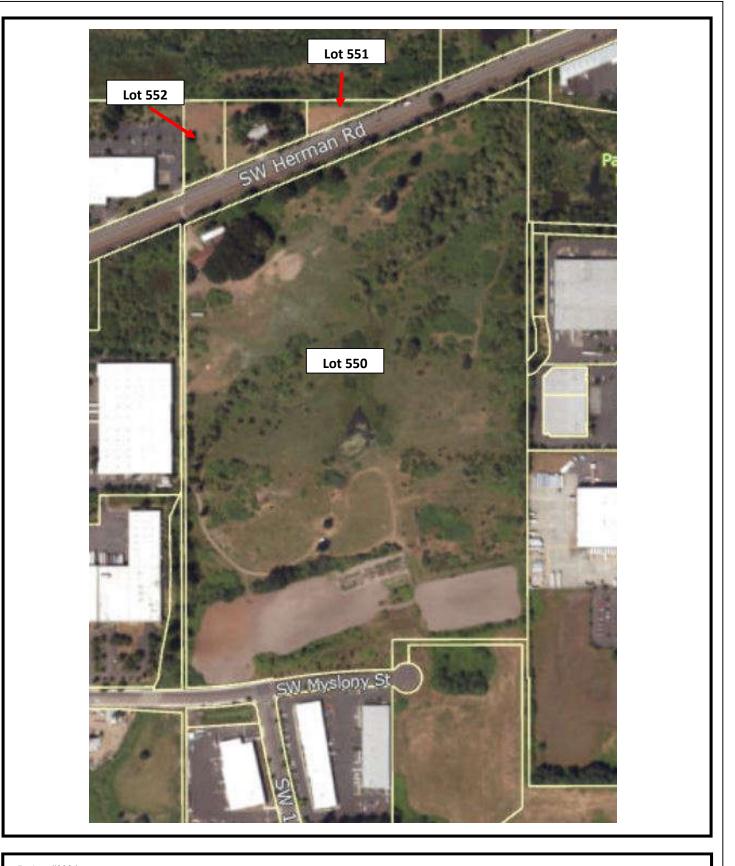
Clean Water Services, 2019. Design and Construction Standards (R&O 19-5 as Amended by R&O 19-22).

PortlandMaps.com, 2021. Air photo and tax lot boundary of project site. Website accessed September 21, 2021.

Appendix A

Figures



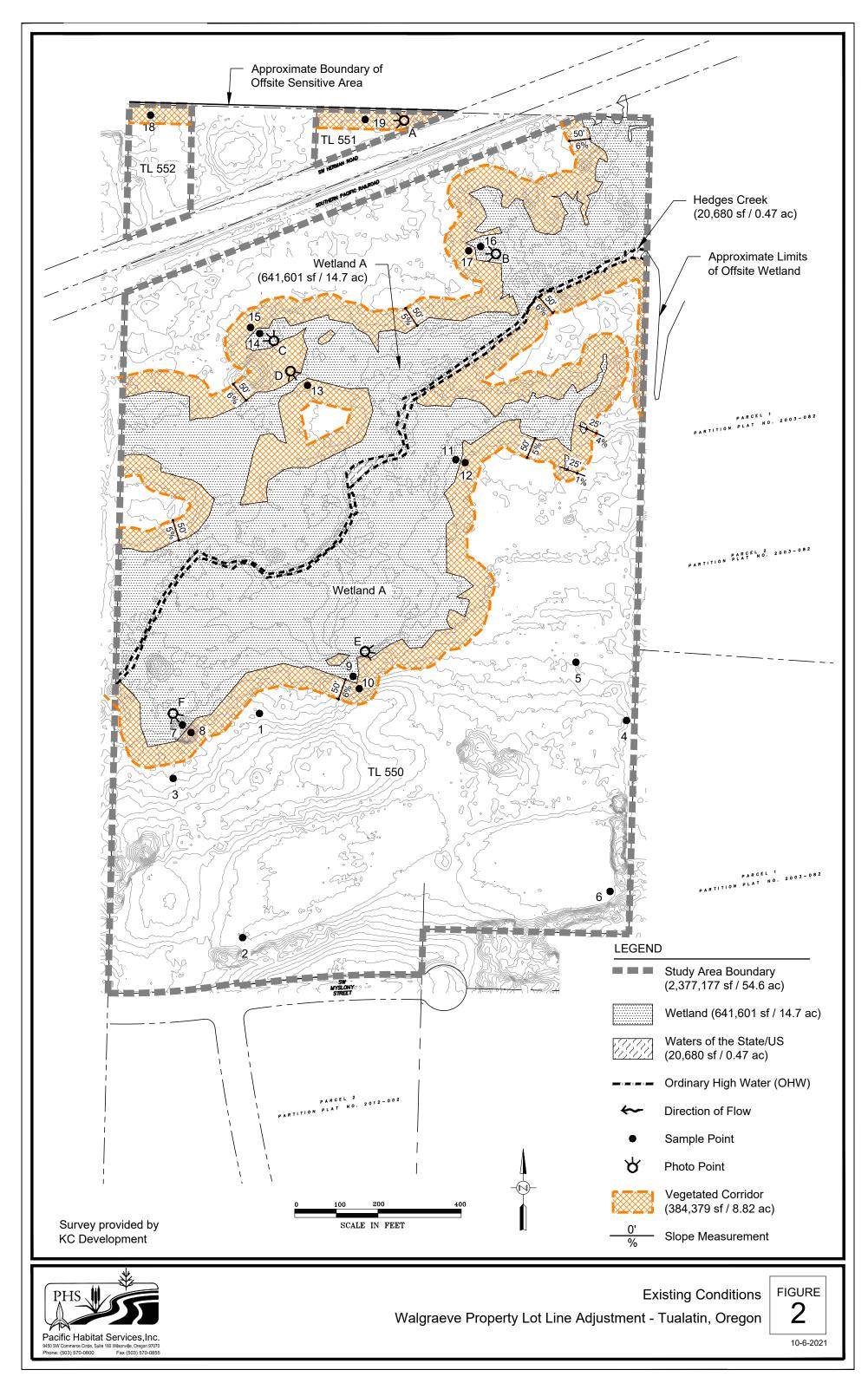


Project #6904

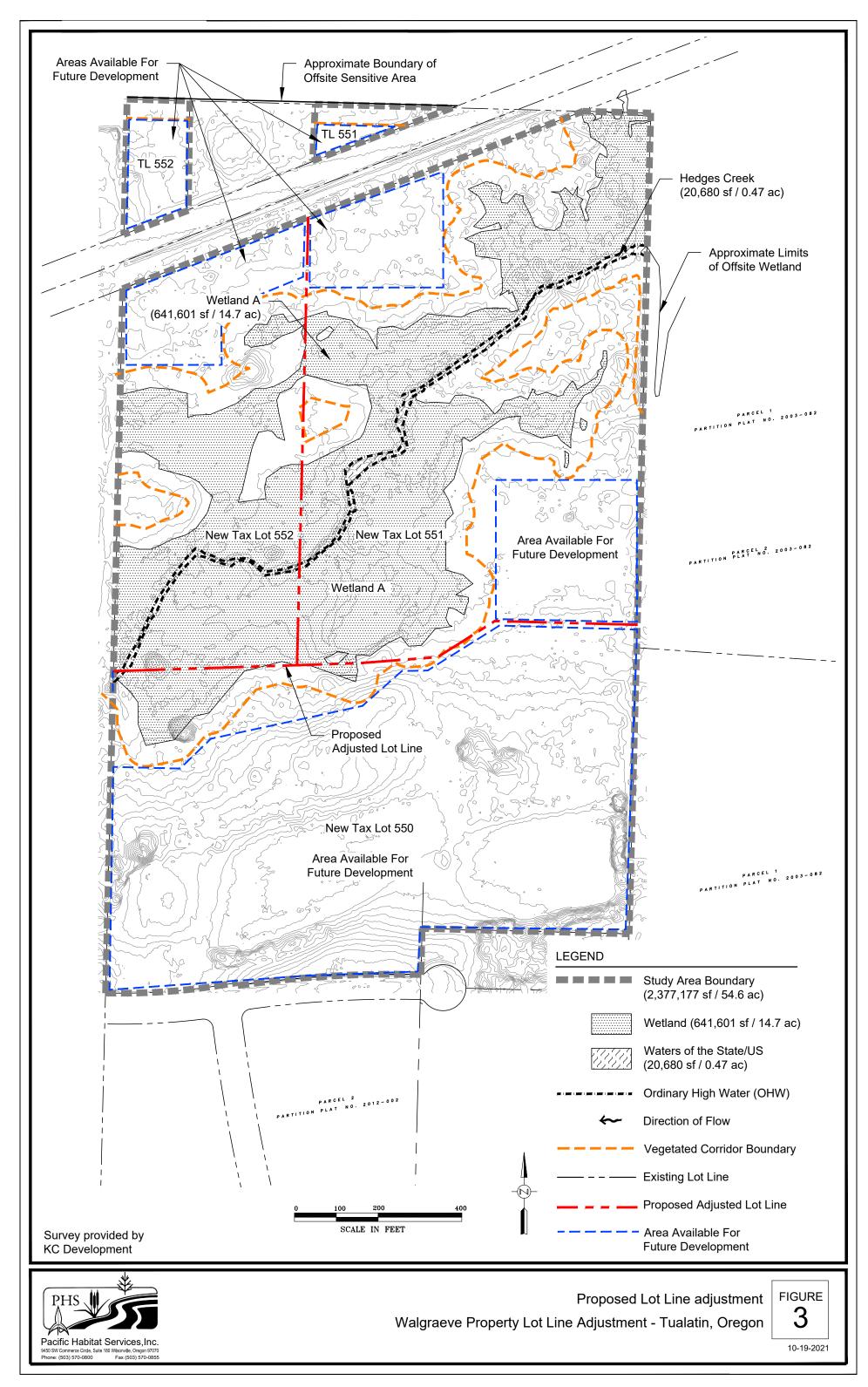


Pacific Habitat Services, Inc. 9450 SW Commerce Circle, Suite 180 Wilsonville, OR 97070 Site location and approximate boundaries Walgraeve property lot line adjustments PortlandMaps.com 2021

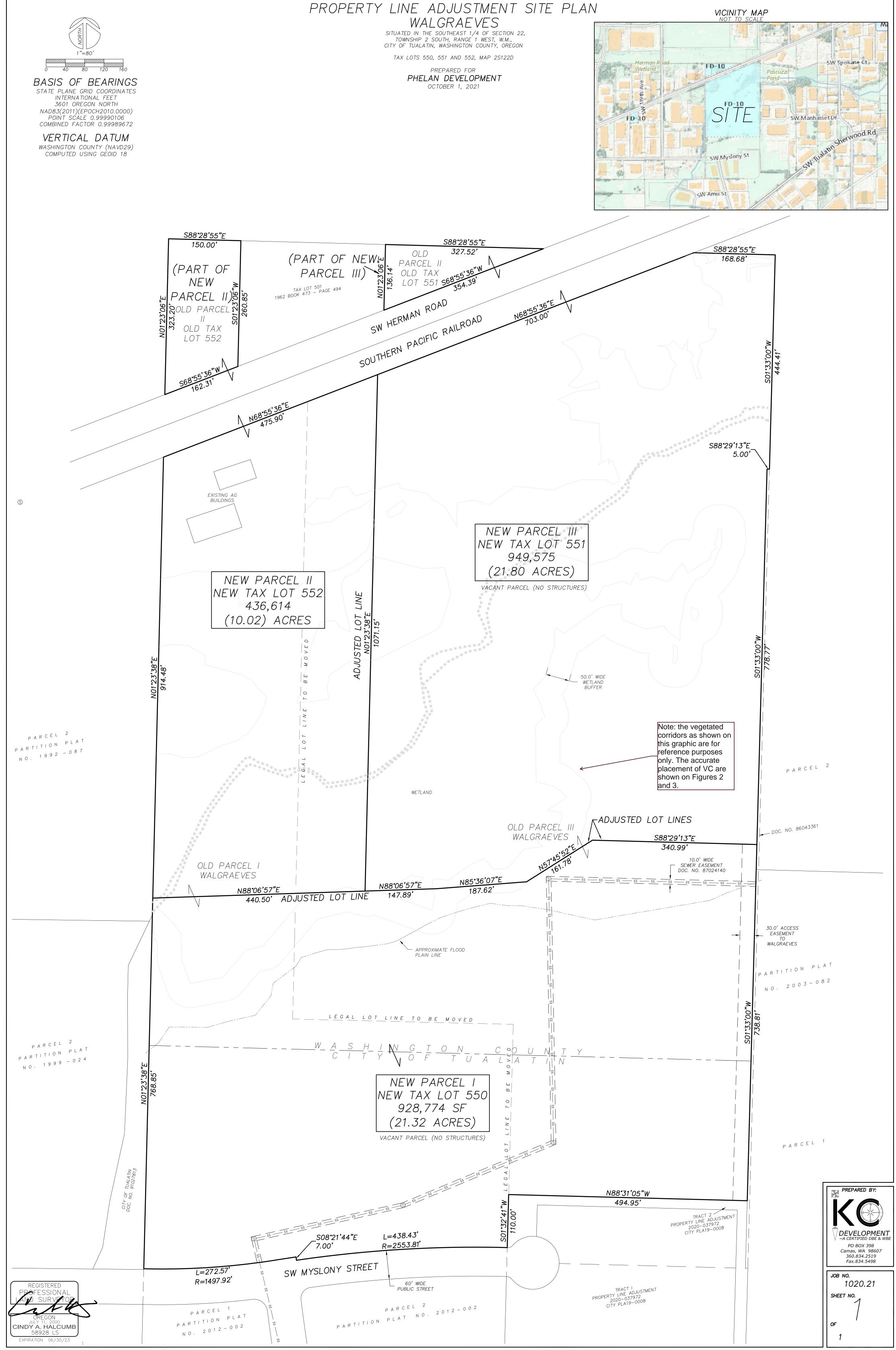




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Appendix B

Wetland Delineation Data Forms



V	VETLAND DF			RM - Weste	ern Mountains, Val	levs, and Coa	PHS #	6904
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re vegetation	Soil	or Hydrology		nauc? Il needed	, explain any answers in Re	marks.)		
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					FAC Species	x 3		
erb Stratum (plo	ot size: 5)			FACU Species	x 4 :	= 0	
Bromus tecto	orum	30	X	UPL	UPL Species	x 5	= 0	
Lolium peren	ine	20	X	FAC	Column Totals	0 (A)	0	(B)
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Anthemis co	tula	10	X	FACU	Prevalence Index =	B/A =	#DIV/0!	
Vulpia myuro		10	X	FACU				
Leucanthemu	, , , , , , , , , , , , , , , , , , ,	5		FACU	Hydrophytic Vegetati	ion Indicators:		
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Tanacetum v	ulgare	5		FACU		2- Dominance Test i		
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2					disturbed or problematic.			
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Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): >14 Water Table Present? Yes No X Saturation Present? Yes No X Saturation Present? Yes No X Depth (inches): >14 Yes No X Deptrive (acapillary fringe) Depth (inches): >14 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Yes No X		Sediment Deposits (B2)		Hydrogen S	ulfide Odor (C1))	Saturatior	۱ Visible on Aer	ial Imagery (C
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Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): >14 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >14 Yes No X Saturation Present? Yes No X Depth (inches): >14 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Image: No X		Iron Deposits (B5)			Recent Iron	Reduction in Pl	owed Soils (C6)	Fac-Neutr	al Test (D5)	
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): >14 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >14 Yes No X Saturation Present? Yes No X Depth (inches): >14 Yes No X Includes capillary fringe) No X Depth (inches): >14 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Image: Stream gauge in the stream gauge in t		Surface Soil Cracks	(B6)		Stunted or S	Stressed Plants	(D1) (LRR A)	Raised Ar	nt Mounds (D6)	(LRR A)
Field Observations: Surface Water Present? Yes No X Depth (inches): >14 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >14 Yes No X Saturation Present? Yes No X Depth (inches): >14 Yes No X (includes capillary fringe) Ves No X Depth (inches): >14 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Saturation Present) If available:		Inundation Visible or	Aerial Imag	gery (B7)	Other (Expla	ain in Remarks)		Frost-Hea	ve Hummocks	(D7)
Surface Water Present? Yes No X Depth (inches): >14 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >14 Yes No X Saturation Present? Yes No X Depth (inches): >14 Yes No X Includes capillary fringe) Ves No X Depth (inches): >14 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: If available If available:		Sparsely Vegetated	Concave Su	urface (B8)						
Water Table Present? Yes No X Depth (inches): >14 Wetland Hydrology Present? Saturation Present? Yes No X Depth (inches): >14 Yes No X (includes capillary fringe) No X Depth (inches): >14 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: If available:	Field Obser	vations:								
Saturation Present? Yes No X Depth (inches): >14 Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Yes No X	Surface Water	Present? Yes		No <u>X</u>	Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Table P	resent? Yes		No X	Depth (inches):	>14	Wetland Hyd	Irology Present?		
				No <u>X</u>	Depth (inches):	>14		Yes	No	X
lemarks:	Describe Reco	orded Data (stream g	auge, monif	toring well, aerial ph	otos, previous inspecti	ons), if available):			
lemarks:										
	Pomarks.									
	Centaino.									

	WETLAND I	DETERMINATION	N DATA FOR	RM - Weste	rn Mountains, Val	leys, and (Coast Region	
Project/Site:	Walgrave	Property	City/County:	Tualat	in/Washington	Sampling I	Date:	7/1/2020
pplicant/Owner:	Phelan Deve	elopment			State:	OR	Sampling Po	oint: 2
vestigator(s):		JT	Section, To	wnship, Range:	Sectio	n 22, Townsl	nip 2S, Range 1	N
andform (hillslope	, terrace, etc.:)	none		Local relief (cor	ncave, convex, none):	none	Slope ((%): 2
ubregion (LRR):		LRR A	Lat:		Long:		Dat	um: WSG8
oil Map Unit Name	e:	Quata	ama loam		NWI Cla	ssification:	non	e
e climatic/hydrolc	ogic conditions on	the site typical for this tim	e of year?	Yes	X No	(if n	o, explain in Remar	ks)
re vegetation	X Soil X	or Hydrology	significantly dist	urbed?	Are "Normal Circumstand	es" present? (`	r/N) Y	
e vegetation	Soil	or Hydrology	naturally problem	natic? If needed	, explain any answers in Re	marks.)		
		A 44 1 14	- h		1 4		£	
				ipling point	locations, transects	, important	features, etc.	
ydrophytic Vegeta			<u> </u>	Is Sampled Ar	V			
/dric Soil Present			<u> </u>	a Wetlar	id? Yes		No X	
etland Hydrology	Present?	Yes No	<u> </u>					
emarks: he sample are	a is part of a fi	eld that has been ree	cently worked	and vegetatio	n has therefore been r	emoved.		
			····· , ·····	j				
EGETATION	- Use scienti	fic names of plant	s.					
		absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
oo Stratum /~!	lot sizo:	% cover	Species?	Status	Number of Derringert C	aiaa		
<u>ee Stratum</u> (pl	IUL SIZE.)			Number of Dominant Spe That are OBL, FACW, or			(A)
								<u>(~)</u>
					Total Number of Dominan	t		
					Species Across All Strata			(B)
		0	= Total Cover					
apling/Shrub Strat	tum (plot size:)			Percent of Dominant Spec	cies		
	-				That are OBL, FACW, or	FAC:	#DIV/0!	(A/B)
					Prevalence Index Wo	orksheet:		
					Total % Cover of	Mult	iply by:	
					OBL Species		x 1 = 0	
		0	= Total Cover		FACW species FAC Species		x 2 = 0 x 3 = 0	
erb Stratum (pl	lot size:)			FACU Species		x 4 = 0	
					UPL Species		x 5 = 0	
					Column Totals	0 (A)	0	(B)
					Prevalence Index =	B/A =	#DIV/0!	
					Hydrophytic Vegetati			
							r Hydrophytic Vege ost is ⊳50%	tation
		0	= Total Cover			2- Dominance T 3-Prevalence In		
							Adaptations ¹ (prov	ide supporting
oody Vine Stratu	m (plot size:)				data in Remarks	s or on a separate s	heet)
					· · · · · · · · · · · · · · · · · · ·	5- Wetland Non	-Vascular Plants ¹	
2						-	drophytic Vegetatior	
		0	= Total Cover		¹ Indicators of hydric soil and disturbed or problematic.	nd wetland hydr	ology must be prese	ent, unless
					Hydrophytic			
Bare Ground in H	Herb Stratum	100			Vegetation	Yes		No <u>X</u>
	-				Present?			

SOIL			PHS #		04			Sampling Po	Jint	2
	ption: (Describe to	the depth	needed to docum			firm the absen	ce of indicators.)			
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	Redox %	Features Type ¹	Loc ²	Texture	R	emarks	
0-14	10YR 2/1	100			. 77 -		Silty Clay Loam		omanto	
							<u> </u>			
	·									
Type: C=Conc	centration, D=Depleti	ion, RM=Re	educed Matrix, CS=	Covered or (Coated San	d Grains.		² Location: PL=Pore Lini	ng, M=Matrix.	
Hydric Soil I	Indicators: (Appl	icable to	all LRRs, unles	s otherwis	se noted.)		Indica	ators for Problemation	c Hydric Soil	s ³ :
I	Histosol (A1)			s	Sandy Redo	x (S5)		2 cm Muc	k (A10)	
I	Histic Epipedon (A2)			s	Stripped Mat	rix (S6)		Red Parel	nt Material (TF2)
	Black Histic (A3)			L	.oamy Muck	y Mineral (F1) (e	except MLRA 1)	Very Shal	low Dark Surfac	e (TF12)
ł	Hydrogen Sulfide (A4	4)		L	.oamy Gleye	ed Matrix (F2)		Other (exp	plain in Remark	s)
[Depleted Below Dark	Surface (#	411)	C	Depleted Ma	trix (F3)				
	Thick Dark Surface (A12)		F	Redox Dark	Surface (F6)		3		
	Sandy Mucky Minera	l (S1)		C	Depleted Day	rk Surface (F7)		³ Indicators of hydrophyti hydrology must be pres		
	Sandy Gleyed Matrix	(S4)		F	Redox Depre	essions (F8)			ematic.	
Restrictive I	Layer (if present)									
Гуре:										
Depth (inches Remarks:							Hydric Soil Pres	ent? Yes	No	<u> </u>
Depth (inches Remarks: Soils mucky	/ clay				- 		Hydric Soil Pres	ent? Yes	No	<u>x</u>
Depth (inches Remarks: Soils mucky HYDROLO Wetland Hyd	y clay GY		uired; check all 1	:hat apply)	- 		Hydric Soil Pres	ent? Yes		
Depth (inches Remarks: Soils mucky HYDROLO Wetland Hyd Primary Indic	/ clay GY drology Indicator		uired; check all f	v		d Leaves (B9) (Secondary Indicato	rs (2 or more ined Leaves (BS	required)
Depth (inches Remarks: Soils mucky HYDROLO Wetland Hyd Primary Indic	y clay GY drology Indicator cators (minimum c	of one req	uired; check all 1	v	- - Water staine			Secondary Indicato	rs (2 or more	required)
Depth (inches Remarks: Soils mucky HYDROLO Wetland Hyd Primary Indic	y clay GY drology Indicator cators (minimum o Surface Water (A1)	of one req	uired; check all 1	v		I 4B)		Secondary Indicato	rs (2 or more ined Leaves (BS	required)
Depth (inches Remarks: Soils mucky HYDROLO Wetland Hyd Primary Indic	/ clay GY drology Indicator cators (minimum c Surface Water (A1) High Water Table (A	of one req	uired; check all t	V 1 S	I, 2, 4A, and Salt Crust (B Aquatic Inver	I 4B) 11) rtebrates (B13)		Secondary Indicato Water sta (MLRA1, Drainage	rs (2 or more ined Leaves (Bt 2, 4A, and 4B)	required)
Pepth (inches Remarks: Soils mucky HYDROLO Wetland Hyd Primary Indic	GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (I	of one req 2)	uired; check all t	۲۱۰۶۶ ۷ ۱ ۹ ۹ ۹ ۹	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su	l 4B) 11) rtebrates (B13) Ilfide Odor (C1)	Except MLRA	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturation	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri	required))) (C2) al Imagery (C
HYDROLO Wetland Hyo Primary Indic	/ clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (I Drift Deposits (B3)	of one req 2) B2)	uired; check all t	×	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi	I 4B) 11) rtebrates (B13) ılfide Odor (C1) zospheres alon	Except MLRA	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturation Geomorph	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2	required))) (C2) al Imagery (C
Primary Indic	GY GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (I Drift Deposits (B3) Algal Mat or Crust (B	of one req 2) B2)	uired; check all t	V 1 А Р Р	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of I	l 4B) 11) rtebrates (B13) ilfide Odor (C1) zospheres along Reduced Iron (C	Except MLRA g Living Roots (C3) C4)	Secondary Indicato Water sta (MLRA1, Drainage Dry-Sease Saturation Geomorph Shallow A	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 quitard (D3)	required))) (C2) al Imagery (C
Pepth (inches Remarks: Soils mucky HYDROLO Wetland Hyd Primary Indic Primary Indic	Clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (I Drift Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5)	of one req 2) B2) B2)	uired; check all t	۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲	I, 2 , 4A , and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of Recent Iron F	1 4B) 11) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo	Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondary Indicato Water sta (MLRA1, Drainage Dry-Sease Saturation Geomorph Shallow A Fac-Neutr	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 nquitard (D3) ral Test (D5)	required) 3) (C2) al Imagery (C
Depth (inches Remarks: Soils mucky HYDROLO Wetland Hyd Primary Indic Primary Indic	(clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (I Drift Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks	of one req 2) B2) 44) (B6)		V 1 	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of Recent Iron F Stunted or St	I 4B) 11) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo tressed Plants (Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturation Geomorph Shallow A Fac-Neutr Raised Ar	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 aquitard (D3) ral Test (D5) nt Mounds (D6)	required)) (C2) al Imagery (C) (LRR A)
Primary Indic	Clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (I Drift Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5)	2) 2) B2) 34) (B6) 1 Aerial Ima	ngery (B7)	V 1 	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of Recent Iron F Stunted or St	1 4B) 11) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo	Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturation Geomorph Shallow A Fac-Neutr Raised Ar	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 nquitard (D3) ral Test (D5)	required)) (C2) al Imagery (C) (LRR A)
Depth (inches Remarks: Soils mucky HYDROLO Wetland Hyd Primary Indic Primary Indic	/ clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible on Sparsely Vegetated (2) 2) B2) 34) (B6) 1 Aerial Ima	ngery (B7)	V 1 	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of Recent Iron F Stunted or St	I 4B) 11) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo tressed Plants (Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturation Geomorph Shallow A Fac-Neutr Raised Ar	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 aquitard (D3) ral Test (D5) nt Mounds (D6)	required)) (C2) al Imagery (C) (LRR A)
Primary Indic	y clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (I Drift Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible on Sparsely Vegetated (vations:	2) 2) B2) 34) (B6) 1 Aerial Ima	ngery (B7)	Ч	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of Recent Iron F Stunted or St	I 4B) 11) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo tressed Plants (Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturation Geomorph Shallow A Fac-Neutr Raised Ar	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 aquitard (D3) ral Test (D5) nt Mounds (D6)	required)) (C2) al Imagery (C) (LRR A)
Primary Indices	Clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible on Sparsely Vegetated (vations: Present? Yes	2) 2) B2) 34) (B6) 1 Aerial Ima	igery (B7) urface (B8)	V 1 	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of Recent Iron F Stunted or Si Dther (Explai	I 4B) 11) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo tressed Plants (Except MLRA g Living Roots (C3) C4) wwed Soils (C6) D1) (LRR A)	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturation Geomorph Shallow A Fac-Neutr Raised Ar	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 aquitard (D3) ral Test (D5) nt Mounds (D6)	required)) (C2) al Imagery (C) (LRR A)
Primary Indic	GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible on Sparsely Vegetated (vations: Present? Yes resent? Yes sent? Yes	2) 2) B2) 34) (B6) 1 Aerial Ima	igery (B7) urface (B8) No <u>X</u>	V 1 	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of I Recent Iron F Stunted or SI Dther (Explai	I 4B) 11) rtebrates (B13) Ilfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) C4) wwed Soils (C6) D1) (LRR A)	Secondary Indicato Water sta (MLRA1, Drainage Dry-Sease Saturation Geomorpl Shallow A Fac-Neutr Raised Ar Frost-Hea	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 aquitard (D3) ral Test (D5) nt Mounds (D6)	required)) (C2) al Imagery (C) (LRR A)
Depth (inches Remarks: Soils mucky Metland Hyd Primary Indic Primary Indic Second States Field Observ Surface Water Water Table Pres (includes capillar	A clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible on Sparsely Vegetated of vations: Present? Yes resent? Yes sent? Yes y fringe)	2) B2) B2) (B6) (B6) Concave Si 	igery (B7) urface (B8) No <u>X</u> No <u>X</u>	V 1 S A C C C C C C Depth (i Depth (i	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of I Recent Iron F Stunted or St Dther (Explai inches): inches):	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres alone Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks) >14 >14	Except MLRA g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hydr	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturatior Geomorpl Shallow A Fac-Neutr Raised Ar Frost-Hea	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 Aquitard (D3) ral Test (D5) nt Mounds (D6) ave Hummocks	required))) (C2) al Imagery (C) (LRR A) (D7)
Depth (inches Remarks: Soils mucky Metland Hyd Primary Indic Primary Indic Second States Field Observ Surface Water Water Table Pres (includes capillar	GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible on Sparsely Vegetated (vations: Present? Yes resent? Yes sent? Yes	2) B2) B2) (B6) (B6) Concave Si 	igery (B7) urface (B8) No <u>X</u> No <u>X</u>	V 1 S A C C C C C C Depth (i Depth (i	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of I Recent Iron F Stunted or St Dther (Explai inches): inches):	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres alone Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks) >14 >14	Except MLRA g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hydr	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturatior Geomorpl Shallow A Fac-Neutr Raised Ar Frost-Hea	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 Aquitard (D3) ral Test (D5) nt Mounds (D6) ave Hummocks	required))) (C2) al Imagery (C) (LRR A) (D7)
Depth (inches Remarks: Soils mucky Metland Hyd Primary Indic Primary Indic Second States Field Observ Surface Water Water Table Pres (includes capillar	A clay GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible on Sparsely Vegetated of vations: Present? Yes resent? Yes sent? Yes y fringe)	2) B2) B2) (B6) (B6) Concave Si 	igery (B7) urface (B8) No <u>X</u> No <u>X</u>	V 1 S A C C C C C C Depth (i Depth (i	I, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhi Presence of I Recent Iron F Stunted or St Dther (Explai inches): inches):	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres alone Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks) >14 >14	Except MLRA g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hydr	Secondary Indicato Water sta (MLRA1, Drainage Dry-Seaso Saturatior Geomorpl Shallow A Fac-Neutr Raised Ar Frost-Hea	rs (2 or more ined Leaves (B 2, 4A, and 4B) Patterns (B10) on Water Table n Visible on Aeri hic Position (D2 Aquitard (D3) ral Test (D5) nt Mounds (D6) ave Hummocks	required))) (C2) al Imagery (C) (LRR A) (D7)

w	ETLAND D	ETERMINATIO		RM - Weste	rn Mountains, Val	eys, and Coa	PHS # st Region	6904
Project/Site:	Walgrave F		City/County:		tin/Washington	Sampling Date:	•	/2020
pplicant/Owner:	Phelan Devel	opment			State:	OR	Sampling Point:	3
vestigator(s):		Л	Section, To	wnship, Range:	Section	n 22, Township 2	S, Range 1W	
andform (hillslope, ter	rrace, etc.:)	Depress	ion	Local relief (cor	ncave, convex, none):	concave	Slope (%):	2
ubregion (LRR):	_	LRR A	Lat:		– Long:		Datum:	WSG85
oil Map Unit Name:		Qua	tama loam			ssification:		
•	conditions on th	e site typical for this t	ime of year?	Yes	X No	(if no, exp	lain in Remarks)	
re vegetation	Soil	or Hydrology	significantly dist	urbed?	Are "Normal Circumstanc	es" present? (Y/N)	Ŷ	
re vegetation					, explain any answers in Rei	marks.)		
		· · · ·						
UMMARY OF F	INDINGS -	Attach site map	o showing san	npling point	locations, transects	, important fea	tures, etc.	
ydrophytic Vegetatior	n Present? Y	es N	o <u>X</u>	Is Sampled Ar	oo within			
ydric Soil Present?	Y	es N	o X	a Wetlar			No X	
/etland Hydrology Pre	esent? Y	es N	o <u>X</u>					
emarks:								
ample site is loca	ated in a low	point in topograp	hy.					
EGETATION - L	Jse scientifi	ic names of pla	nts.					
		absolute % cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:		
ree Stratum (plot s	size:)	opecies:	Otatus	Number of Dominant Spec	cies		
\\ 		,			That are OBL, FACW, or I		2	(A)
2			·		- , - ,			()
3					Total Number of Dominan	t		
1					Species Across All Strata:		4	(B)
		0	= Total Cover					
apling/Shrub Stratum	(plot size:	15)			Percent of Dominant Spec	ies		
Rubus armenia		5	х	FAC	That are OBL, FACW, or	FAC:	50%	(A/B)
Sambucus nigi	ra	20	X	FAC				
3					Prevalence Index Wo	rksheet:		
1			·		Total % Cover of	Multiply b	<u>y:</u>	
5					OBL Species	x 1 =	0	
		25	= Total Cover		FACW species	x 2 =		
erb Stratum (plot s	size: 5)			FAC Species FACU Species	x 3 = x 4 =		
Bromus tectori		/ 40	х	UPL	UPL Species	x 5 =		
Leucanthemun		30	<u> </u>	FACU	Column Totals	0 (A)		(B)
Lolium perenne		10		FAC		()		(-)
4	-		·		Prevalence Index =E	8/A =	#DIV/0!	
5								
3					Hydrophytic Vegetati	on Indicators:		
7						I- Rapid Test for Hyd	rophytic Vegetatio	n
3					2	2- Dominance Test is	>50%	
		80	= Total Cover			3-Prevalence Index is		unne atte
oody Vizz Statu	(plot size:	۱.				I-Morphological Adap		
oody Vine Stratum	(plot size:					lata in Remarks or or 5- Wetland Non-Vasc		.)
2 2			·			Problematic Hydroph		xplain)
		0	= Total Cover		¹ Indicators of hydric soil ar			
					disturbed or problematic.			
					Hydrophytic			
6 Bare Ground in Hert		0			Vegetation	Yes	No	х

SOIL			PHS #	6904				Sampling Po	oint:	3
	iption: (Describe to f	the depth	needed to docume			absence of i	ndicators.)			
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	Redox Feat	tures ype ¹ Loc	c ²	Texture	R	emarks	
(incries) 0-4	7.5YR 3/2	100		/0 · ,	<u>ypc</u>		ilt Loam			
4-6	7.5YR 2/2	99	7.5YR 4/6		с м		ilt Loam	Fine		
6-14	7.5YR 3/2	100	1.011(-7,0	<u> </u>	<u> </u>		ilt Loam			
V-14	1.0110.012	100					It Loan	·		
				<u> </u>						
	centration, D=Depletion							² Location: PL=Pore Lini	_	2
-	Indicators: (Appli	icable to	all LRRs, unless				Indic	ators for Problemation	-	ls':
	Histosol (A1)				ly Redox (S5)			2 cm Muc		
	Histic Epipedon (A2)				ped Matrix (S6)				nt Material (TF	
	Black Histic (A3)				ny Mucky Minera		MLRA 1)		ow Dark Surfa	
	Hydrogen Sulfide (A4	-			ny Gleyed Matrix	: (F2)		Other (exp	olain in Remarl	(s)
	Depleted Below Dark		A11)		eted Matrix (F3)					
	Thick Dark Surface (-			ox Dark Surface (³ Indicators of hydrophyti	c vegetation a	nd wetland
	Sandy Mucky Mineral				eted Dark Surfac			hydrology must be pres	sent, unless dis	
	Sandy Gleyed Matrix	• •		Redo	ox Depressions (I	F8)		proble	ematic.	
	Layer (if present)	:								
Type:								-		
Depth (inches	s):					Hydr	ric Soil Pre	sent? Yes	No	Х
HYDROLO Wetland Hy)GY /drology Indicator	's:								
Primary Indi	icators (minimum o	of one rec	uired; check all th	nat apply)				Secondary Indicato	rs (2 or more	required)
	Surface Water (A1)				er stained Leaves 4A, and 4B)	s (B9) (Excep	t MLRA		ined Leaves (E 2, 4A, and 4B	-
	High Water Table (A2	2)								-
	Saturation (A3) Water Marks (B1)				Crust (B11) itic Invertebrates	e (R13)			Patterns (B10) on Water Table	
	Sediment Deposits (E	R2)			ogen Sulfide Odo					rial Imagery (C9
	Drift Deposits (B3)	,_,			zed Rhizosphere		a Roots (C3)		nic Position (D	
	Algal Mat or Crust (B	4)			ence of Reduced			·	quitard (D3)	,
	Iron Deposits (B5)			Rece	ent Iron Reduction	n in Plowed S	ioils (C6)	Fac-Neutr	al Test (D5)	
	Surface Soil Cracks ((B6)		Stunt	ted or Stressed F	Plants (D1) (L l	RR A)	Raised Ar	nt Mounds (D6)	(LRR A)
	Inundation Visible on	Aerial Ima	agery (B7)	Other	r (Explain in Ren	narks)		Frost-Hea	ve Hummocks	(D7)
	Sparsely Vegetated C	Concave S	urface (B8)							
Field Obser	vations:									
Surface Water			No <u>X</u>	Depth (inche						
Water Table P			No X	Depth (inche			/etland Hyd	Irology Present?		
Saturation Pre (includes capilla			No X	Depth (inche	es): >14	<u>4</u>		Yes	No	x
Describe Reco	orded Data (stream ga	auge, mon	itoring well, aerial ph	notos, previous ir	nspections), if av	vailable:				
Remarks:										

	RMINATION		RM - Wosta	rn Mountains, Val	leve and Coas	PHS #	6904
Project/Site: Walgrave Prope		City/County:		tin/Washington	7/1/2020		
Applicant/Owner: Phelan Developm		ony, county.		State:	Sampling Date: OR	Sampling Point:	4
Investigator(s): JT		Section To	wnship, Range:		n 22, Township 29	•	<u> </u>
Landform (hillslope, terrace, etc.:)	Ditch	0000000, 10		ncave, convex, none):	concave	Slope (%):	1
Subregion (LRR): LRR		Lat:					WSG85
Soil Map Unit Name:		ilty clay loam			ssification:		
Are climatic/hydrologic conditions on the site			Yes			ain in Remarks)	
, ,	lydrology			Are "Normal Circumstand			
·		• •		, explain any answers in Re			
· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , , ,			, , , ,	,		
SUMMARY OF FINDINGS – Atta	ich site map s	howing san	npling point	locations, transects	, important feat	ures, etc.	
Hydrophytic Vegetation Present? Yes	X No		Is Sampled Ar	ea within			
Hydric Soil Present? Yes	No	Х	a Wetlar			No X	
Wetland Hydrology Present? Yes	No	Х					
Remarks:							
VEGETATION - Use scientific na			Indiaatar	Dominance Test wor	kabaati		
	absolute % cover	Dominant Species?	Indicator Status	Dominance Test wor	KSNeet:		
Tree Stratum (plot size: 30)			Number of Dominant Spe	cies		
1 Fraxinus latifolia	100	Х	FACW	That are OBL, FACW, or	FAC:	3	(A)
2							
3				Total Number of Dominan	t		
4				Species Across All Strata		4	(B)
	100	= Total Cover					
Sapling/Shrub Stratum (plot size: 15)			Percent of Dominant Spec	cies		
1 Crataegus monogyna	30	Х	FAC	That are OBL, FACW, or	FAC:	75%	(A/B)
2 Oemleria cerasiformis	10	X	FACU		• • •		
3				Prevalence Index Wo			
5				Total % Cover of OBL Species	Multiply by x 1 =	<u>·</u> 0	
°	40	= Total Cover		FACW species	x 2 =	0	
				FAC Species	x 3 =	0	
Herb Stratum (plot size: 5)			FACU Species	x 4 =	0	
1 Geranium lucidum	40	Х	(FAC)	UPL Species	x 5 =	0	
2				Column Totals	0 (A)	0	(B)
3						50/01	
45				Prevalence Index =	3/A = #	DIV/0!	
6				Hydrophytic Vegetati	on Indicators:		
7					1- Rapid Test for Hydr	ophytic Vegetatio	h
8	· ·				2- Dominance Test is		
	40	= Total Cover			3-Prevalence Index is		
					4-Morphological Adap	tations ¹ (provide s	upporting
Woody Vine Stratum (plot size:)				data in Remarks or on	-)
1	· ·				5- Wetland Non-Vascu		
2	·				Problematic Hydrophy		
	0	= Total Cover		¹ Indicators of hydric soil and disturbed or problematic.	na wetland hydrology	must be present, t	INIESS
				Hydrophytic			
% Bare Ground in Herb Stratum				Vegetation	Yes X	No	
Remarks:				Present?			

SOIL			PHS #	6904			Sampling Point: 4
-		•	needed to docum		or confirm the absent	nce of indicators.)	
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	Redox Fea % T	tures ype ¹ Loc ²	Texture	Remarks
(incries) 0-14	10YR 3/2	100	Color (moist)	70		Silt Loam	Relians
0-14	101K 3/2	100				Silt Loan	
		·		·			
				·			
				·			
		·		·			
		·					
				. <u> </u>			
				·			
	centration, D=Deplet					India	² Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			all LKKS, unle			maic	2 cm Muck (A10)
	Histosol (A1)	`			ly Redox (S5)		
	Histic Epipedon (A2))			bed Matrix (S6)		Red Parent Material (TF2)
	Black Histic (A3)	•			ny Mucky Mineral (F1)	(ехсерт МLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A	,	• • • •		ny Gleyed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dar		A11)		eted Matrix (F3)		
	Thick Dark Surface				ox Dark Surface (F6)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Minera				eted Dark Surface (F7))	hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix	x (S4)		Redo	ox Depressions (F8)	•	problematic.
Restrictive L	Layer (if present):					
Туре:							
Depth (inches	;):					Hydric Soil Pres	sent? Yes No X
Remarks:							
Remarks: HYDROLO Wetland Hyc	GY drology Indicato	ors:					
HYDROLO Wetland Hyc			uired; check all	that apply)			Secondary Indicators (2 or more required)
HYDROLO Wetland Hyd	drology Indicato		uired; check all		er stained Leaves (B9)		Secondary Indicators (2 or more required) Water stained Leaves (B9)
HYDROLO Wetland Hyd Primary Indic	drology Indicato	of one req	juired; check all	Wate	er stained Leaves (B9) 4A, and 4B)		
HYDROLO Wetland Hyd Primary India S	drology Indicato cators (minimum Surface Water (A1)	of one req	uired; check all	Wate 1, 2,	. ,		Water stained Leaves (B9)
HYDROLO Wetland Hyd Primary Indic F	drology Indicato cators (minimum Surface Water (A1) High Water Table (A	of one req	uired; check all	Wate 1, 2, Salt (4A, and 4B)	(Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
HYDROLO Wetland Hyc Primary India	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3)	of one req A2)	juired; check all	Wate 1, 2, Salt Aqua	4A, and 4B) Crust (B11)	(Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
HYDROLO Wetland Hyd Primary Indic F	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1)	of one req A2)	uired; check all	Wate 1, 2, Salt (Aqua Hydr	4A, and 4B) Crust (B11) tic Invertebrates (B13)	(Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
HYDROLO Wetland Hyd Primary Indic F F S S S S S S S S S S S S S S S S S	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (of one rec \2) (B2)	uired; check all	Wate 1, 2, Salt (Aque Hydr Oxid	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1	(Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
HYDROLO Wetland Hyd Primary India F F S S S S S S S S S S S S S S S S S	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3)	of one rec \2) (B2)	juired; check all	Wate 1, 2, Salt 0 Aqua Hydr Oxid Pres Rece	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ent Iron Reduction in Pl	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
HYDROLO Wetland Hyd Primary Indic F F F S F S S S S S S S S S S S S S S	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks	of one rec (B2) (B2) (B6)		Wate 1, 2, Salt 0 Aqua Hydr Oxid Pres Rece	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron ((Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3)
HYDROLOG Wetland Hyd Primary Indic F F S S S S S S S S S S S S S S S S S	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Surface Soil Cracks Inundation Visible o	of one rec A2) (B2) 34) (B6) n Aerial Ima	ıgery (B7)	Wate 1, 2, Salt (Aqua Hydr Oxid Pres Rece Stun	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ent Iron Reduction in Pl	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
HYDROLOG Wetland Hyd Primary Indic F F S S S S S S S S S S S S S S S S S	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks	of one rec A2) (B2) 34) (B6) n Aerial Ima	ıgery (B7)	Wate 1, 2, Salt (Aqua Hydr Oxid Pres Rece Stun	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ent Iron Reduction in Pl ared or Stressed Plants	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLO Wetland Hyd Primary Indic F F F F F F F F F F F F F F F F F F F	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated	of one rec A2) (B2) 34) (B6) n Aerial Ima	ıgery (B7)	Wate 1, 2, Salt (Aqua Hydr Oxid Pres Rece Stun	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ent Iron Reduction in Pl ared or Stressed Plants	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLOG Wetland Hyd Primary Indic F F S S S S S S S S S S S S S S S S S	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated vations:	of one rec A2) (B2) 34) (B6) n Aerial Ima	ıgery (B7)	Wate 1, 2, Salt (Aqua Hydr Oxid Pres Rece Stun	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ent Iron Reduction in Pl and or Stressed Plants r (Explain in Remarks)	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLO Wetland Hyd Primary Indic F F Field Observ	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated vations: Present? Yes	of one rec A2) (B2) 34) (B6) n Aerial Ima	ıgery (B7) urface (B8)	Wate 1, 2, Salt (Aqua Hydr Oxid Pres Rece Stun Othe	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ent Iron Reduction in Pl end or Stressed Plants r (Explain in Remarks)	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLO Wetland Hyd Primary Indic S H H S H H S H H S H H H H H H H H H	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated vations: Present? Yes resent? Yes	of one rec A2) (B2) 34) (B6) n Aerial Ima	ngery (B7) urface (B8) No <u>X</u>	Wate 1, 2, Salt (Aqua Hydr Oxid Pres Recce Stun Othe Depth (inch	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ent Iron Reduction in Pl ted or Stressed Plants r (Explain in Remarks) es):	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOG Wetland Hyd Primary Indic F S S S S S Field Observ Surface Water Water Table Pr Saturation Pres (includes capillary	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req (B2) (B2) (B6) n Aerial Ima Concave S	ngery (B7) urface (B8) No <u>X</u> No <u>X</u>	Wate 1, 2, Salt (Aqua Hydr Oxid) Press Recce Stun Othe Depth (inch Depth (inch	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ent Iron Reduction in Pl ted or Stressed Plants r (Explain in Remarks) es):	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOG Wetland Hyd Primary Indic F S S S S S Field Observ Surface Water Water Table Pr Saturation Pres (includes capillary	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req (B2) (B2) (B6) n Aerial Ima Concave S	ngery (B7) urface (B8) No <u>X</u> No <u>X</u>	Wate 1, 2, Salt (Aqua Hydr Oxid) Press Recce Stun Othe Depth (inch Depth (inch	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ant Iron Reduction in Pl ted or Stressed Plants r (Explain in Remarks) es): es): >14 es): >14	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOG Wetland Hyd Primary Indic Field Observ Surface Water Water Table Pr Saturation Press (includes capillary Describe Record	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req (B2) (B2) (B6) n Aerial Ima Concave S	ngery (B7) urface (B8) No <u>X</u> No <u>X</u>	Wate 1, 2, Salt (Aqua Hydr Oxid) Press Recce Stun Othe Depth (inch Depth (inch	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ant Iron Reduction in Pl ted or Stressed Plants r (Explain in Remarks) es): es): >14 es): >14	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOG Wetland Hyd Primary Indic F S S S S S Field Observ Surface Water Water Table Pr Saturation Pres (includes capillary	drology Indicato cators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req (B2) (B2) (B6) n Aerial Ima Concave S	ngery (B7) urface (B8) No <u>X</u> No <u>X</u>	Wate 1, 2, Salt (Aqua Hydr Oxid) Press Recce Stun Othe Depth (inch Depth (inch	4A, and 4B) Crust (B11) tic Invertebrates (B13) ogen Sulfide Odor (C1 zed Rhizospheres alor ence of Reduced Iron (ant Iron Reduction in Pl ted or Stressed Plants r (Explain in Remarks) es): es): >14 es): >14	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

,	WETLAND DETE	RMINATION	N DATA FOI	RM - Weste	rn Mountains, Val	eys, and Coa	PHS #	6904
Project/Site:	Walgrave Prope		City/County:		tin/Washington	Sampling Date:	-	2020
Applicant/Owner:	Phelan Developm	ent			State:	OR	Sampling Point:	5
Investigator(s):	JT		Section, To	wnship, Range:	Sectio	n 22, Township 2	S, Range 1W	
_andform (hillslope,	terrace, etc.:)	Flat	-	Local relief (cor	ncave, convex, none):	-	Slope (%):	1
Subregion (LRR):	LRR	A	Lat:	,	Long:		Datum:	WSG85
Soil Map Unit Name): 	Verboort s	- silty clay loam			ssification:	None	
-	gic conditions on the site			Yes	X No		plain in Remarks)	
Are vegetation X					Are "Normal Circumstanc		,	
re vegetation		ydrology	-		, explain any answers in Rei	,	<u> </u>	
			-					
SUMMARY OF	FINDINGS – Atta	ch site map	showing san	pling point	locations, transects	, important fea	tures, etc.	
lydrophytic Vegetat	tion Present? Yes	X No		Is Sampled Ar				
lydric Soil Present?	? Yes	No	Χ	a Wetlar			No X	
Vetland Hydrology	Present? Yes	X No						
Remarks:								
The sample area	a is grazed.							
	-	-						
EGETATION	 Use scientific na 			las ell'er e t	Deminer 7 1	valaast.		
		absolute % cover	Dominant Species?	Indicator Status	Dominance Test wor	ksneet:		
ree Stratum (plo	ot size: 30)			Number of Dominant Spec	cies		
1 Fraxinus lati	folia	40	Х	FACW	That are OBL, FACW, or I	AC:	4	(A)
2								
3					Total Number of Dominan	t		
4					Species Across All Strata:		5	(B)
		40	= Total Cover					
apling/Shrub Strate	um (plot size: 15)			Percent of Dominant Spec	ies		
1 Rubus arme	niacus	20	Х	FAC	That are OBL, FACW, or	FAC:	80%	(A/B)
2 Crataegus m	onogyna	10	Χ	FAC				
3 Rosa pisoca	rpa	5		FAC	Prevalence Index Wo	rksheet:		
4					Total % Cover of	Multiply b	<u>.</u>	
5		35	= Total Cover		OBL Species	x1=		
			= Total Cover		FAC Species	x 2 = x 3 =		
lerb Stratum (plo	ot size: 5)			FACU Species	x 4 =	-	
Leucanthem	um vulgare	50	X	FACU	UPL Species	x 5 =	0	
2 Agrostis cap	oillaris	30	X	FAC	Column Totals	0 (A)	0	(B)
3 Prunella vulg	garis	20		FACU				
4 Parentucellia	a viscosa	5		FAC	Prevalence Index =E	3/A =	#DIV/0!	
5								
6 					Hydrophytic Vegetati			
						I- Rapid Test for Hyd		n
3		105	= Total Cover			2- Dominance Test is 3-Prevalence Index is		
		100				-Morphological Ada		upporting
loody Vine Stratun	<u>n</u> (plot size:)				lata in Remarks or o		
1		-				5- Wetland Non-Vaso	cular Plants ¹	
2					F	Problematic Hydroph	ytic Vegetation ¹ (E	xplain)
		0	= Total Cover		¹ Indicators of hydric soil ar	nd wetland hydrology	must be present,	unless
					disturbed or problematic. Hydrophytic			
% Bare Ground in H	lerb Stratum				Vegetation	Yes X	No	
					Present?			

rofile Descri Depth (Inches)			PHS #	690	94			Sampling Point: 5
	ption: (Describe to f	the depth	needed to docume			firm the abse	nce of indicators.)	
	Matrix Color (moist)	%	Color (moist)	Redox I %	Features Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/1	<u> </u>	7.5YR 4/6	3	C	PL	Silty Clay Loam	Remarks
3-14	10YR 2/1	100	1.011(4/0		<u> </u>		Silty Clay Loam	
3-14	101R 2/1	100		:				
ype: C=Con	centration, D=Depletio	ion, RM=Re	educed Matrix, CS=	Covered or C	Coated San	d Grains.		² Location: PL=Pore Lining, M=Matrix.
	Indicators: (Appli						Indica	ators for Problematic Hydric Soils ³ :
ſ	Histosol (A1)			S	andy Redo	x (S5)		2 cm Muck (A10)
I	Histic Epipedon (A2)			s	tripped Mat	rix (S6)		Red Parent Material (TF2)
,	Black Histic (A3)			L	oamy Muck	y Mineral (F1)	except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4	4)		L	oamy Gleye	ed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	-	A11)		epleted Ma	. ,		
	Thick Dark Surface (/		,		-	Surface (F6)		
	Sandy Mucky Mineral	-				rk Surface (F7)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Gleyed Matrix				-	essions (F8)		hydrology must be present, unless disturbed or problematic.
estrictive I	Layer (if present)	:						
ype:								
epth (inches	s):						Hydric Soil Pres	ent? Yes No X
emarks: he upper z	one within which	ו OR's ar	e identified is n	ot sufficier	ntly thick	(4 inches) to	o satisfy the criter	ia for F6.
he upper z IYDROLO			e identified is n	ot sufficier	ntly thick	(4 inches) to	o satisfy the criter	ia for F6.
he upper z IYDROLO /etland Hyd	GY drology Indicator	rs:			ntly thick	(4 inches) to	satisfy the criter	
he upper z IYDROLO /etland Hyd rimary Indic	GY	rs:		hat apply)			o satisfy the criter	ia for F6. Secondary Indicators (2 or more required) Water stained Leaves (B9)
he upper z IYDROLO /etland Hyd rimary India	GY drology Indicator cators (minimum o	rs: of one req		hat apply)		d Leaves (B9)		Secondary Indicators (2 or more required)
he upper z YDROLO /etland Hyo rimary Indio	GY drology Indicator cators (minimum o Surface Water (A1)	rs: of one req		hat apply) W 1,	Vater staine	d Leaves (B9) I 4B)		Secondary Indicators (2 or more required)Water stained Leaves (B9)
he upper z	IGY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2	rs: of one req		hat apply) 	Vater staine , 2, 4A, and salt Crust (B	d Leaves (B9) I 4B)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
he upper z IYDROLO /etland Hyd rimary India	IGY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3)	r s: of one req 2)		hat apply) W S A	Vater staine , 2 , 4A , and Galt Crust (B aquatic Inve	d Leaves (B9) i 4B) i11)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	r s: of one req 2)		hat apply) N S A H	Vater staine , 2, 4A, and alt Crust (B aquatic Inver Iydrogen Su	d Leaves (B9) i 4B) i11) rtebrates (B13) ilfide Odor (C1)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	r s: of one req 2) B2)		hat apply) 	Vater staine , 2, 4A, and Galt Crust (B Aquatic Inver Iydrogen Su Dxidized Rhi	d Leaves (B9) i 4B) i11) rtebrates (B13) ilfide Odor (C1)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	r s: of one req 2) B2)		hat apply) N S A H P	Vater staine , 2, 4A, and alt Crust (B Aquatic Inver lydrogen Su Dxidized Rhi Presence of	d Leaves (B9) i 4B) it1) rtebrates (B13) ilfide Odor (C1 izospheres alor Reduced Iron ((Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B-	r s: of one req 2) B2) B2)		hat apply) N S A H P R	Vater staine , 2, 4A, and alt Crust (B lydrogen Su lydrogen Su Dxidized Rhi Presence of Recent Iron F	d Leaves (B9) i 4B) it1) rtebrates (B13) ilfide Odor (C1 izospheres alor Reduced Iron ((Except MLRA Ing Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B1) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	r s: 2) B2) (B6)	uired; check all th	hat apply) N N N N N R S	Vater staine , 2, 4A, and alt Crust (B aquatic Inver lydrogen Su lydrogen Su Dxidized Rhi Presence of Recent Iron R stunted or Si	d Leaves (B9) i 4B) i11) rtebrates (B13) ilfide Odor (C1 izospheres alor Reduced Iron (Reduction in Pl	(Except MLRA Ing Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (rs: of one req 2) B2) B2) (B6) (B6) (Aerial Ima	juired; check all th	hat apply) N N N N N R S	Vater staine , 2, 4A, and alt Crust (B aquatic Inver lydrogen Su lydrogen Su Dxidized Rhi Presence of Recent Iron R stunted or Si	d Leaves (B9) 1 4B) (11) rtebrates (B13) Ilfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants	(Except MLRA Ing Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated (rs: of one req 2) B2) B2) (B6) (B6) (Aerial Ima	juired; check all th	hat apply) N N N N N R S	Vater staine , 2, 4A, and alt Crust (B aquatic Inver lydrogen Su lydrogen Su Dxidized Rhi Presence of Recent Iron R stunted or Si	d Leaves (B9) 1 4B) (11) rtebrates (B13) Ilfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants	(Except MLRA Ing Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C vations:	rs: of one req 2) B2) B2) (B6) (B6) (Aerial Ima	juired; check all th	hat apply) N N N N N R S	Vater staine , 2, 4A, and Balt Crust (B Aquatic Inver lydrogen Su Dixidized Rhi Dixidized Rhi Di Rhi Dixidized Rhi Dixidized R	d Leaves (B9) 1 4B) (11) rtebrates (B13) Ilfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants	(Except MLRA Ing Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B3) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C vations:	rs: of one req 2) B2) B2) (B6) (B6) (Aerial Ima	juired; check all th ngery (B7) urface (B8)	hat apply) N S A	Vater staine , 2, 4A, and alt Crust (B lydrogen Su lydrogen Su l	d Leaves (B9) 1 4B) (11) rtebrates (B13) Ilfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants	(Except MLRA Ig Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
he upper z	GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O vations: Present? Yes resent? Yes	rs: of one req 2) B2) B2) (B6) (B6) (Aerial Ima	uired; check all th ngery (B7) urface (B8) No <u>X</u>	hat apply) W 1, S A A P R S O Depth (ii	Vater staine , 2, 4A, and Galt Crust (B Aquatic Inver lydrogen Su Dxidized Rhi Presence of Recent Iron F Stunted or Si Dther (Expla nches):	d Leaves (B9) I 4B) I11) Itebrates (B13) Ilfide Odor (C1) Izospheres alor Reduced Iron (Reduction in Pl tressed Plants in in Remarks)	(Except MLRA Ig Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
he upper z	GY drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O vations: Present? Yes resent? Yes	rs: of one req 2) B2) (B6) (B6) Aerial Ima Concave Su	uired; check all the second se	hat apply) W 1, S A H X O P R S O Depth (in Depth (in Depth (in	Vater staine , 2, 4A, and alt Crust (B quatic Inver lydrogen Su lydrogen Su	d Leaves (B9) I 4B) I11) Itebrates (B13) Ifide Odor (C1) Izospheres alor Reduced Iron (Reduction in Pl tressed Plants in in Remarks) >14 >14 >14	(Except MLRA Ig Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
he upper z	GY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B3) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O vations: Present? Yes resent? Yes sent? Yes sent? Yes	rs: of one req 2) B2) (B6) (B6) Aerial Ima Concave Su	uired; check all the second se	hat apply) W 1, S A H X O P R S O Depth (in Depth (in Depth (in	Vater staine , 2, 4A, and alt Crust (B quatic Inver lydrogen Su lydrogen Su	d Leaves (B9) I 4B) I11) Itebrates (B13) Ifide Odor (C1) Izospheres alor Reduced Iron (Reduction in Pl tressed Plants in in Remarks) >14 >14 >14	(Except MLRA Ig Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

	VVEILAND	DETER			rivi - vveste	rn Mountains, Val	leys, and Coa	st Region	
roject/Site:	Walgrave Property			City/County:	Tuala	tin/Washington	Sampling Date:	7/1/	2020
pplicant/Owner:	Phelan De	velopmer	nt			State:	OR	Sampling Point:	6
vestigator(s):		JT		Section, To	ownship, Range:	Section	n 22, Township 2	S, Range 1W	
andform (hillslope,	terrace, etc.:)		Flat		Local relief (cor	ncave, convex, none):	none	Slope (%):	1
ubregion (LRR):		LRR A		Lat:		Long:		Datum:	WSG8
oil Map Unit Name	e:		Labish	mucky clay		NWI Cla	ssification:	none	
re climatic/hydrolo	gic conditions o	n the site ty	pical for this tim	ne of year?	Yes	X No	(if no, exp	olain in Remarks)	
re vegetation	C Soil X	or Hyd	lrology	significantly dis	turbed?	Are "Normal Circumstanc	es" present? (Y/N)	Y	
re vegetation	Soil	or Hyd	lrology	_naturally proble	matic? If needed	, explain any answers in Rei	marks.)		
		- Attacl	h site map	showing sar	nplina point	locations, transects	. important fea	tures. etc.	
ydrophytic Vegeta		Yes	X No				, p		
vdric Soil Present		Yes	No		ls Sampled Ar a Wetlar			No X	
/etland Hydrology		Yes	No		a wellai				
emarks:									
ample point is	located with	in a rece	ntly plowed	field.					
EGETATION	- Use scien	tific nam	nes of plant	ts.		-			
			absolute % cover	Dominant	Indicator Status	Dominance Test wor	ksheet:		
ree Stratum (pl	ot size:)		Species?	Status	Number of Dominant Spec	cies		
		/				That are OBL, FACW, or I		1	(A)
						, , , , , , , , , , , , , , , , , , , ,			. /
3						Total Number of Dominan	t		
1						Species Across All Strata:		1	(B)
			0	= Total Cover					
apling/Shrub Strat	<u>um</u> (plot size	e:)			Percent of Dominant Spec	cies		
1						That are OBL, FACW, or	FAC:	100%	(A/B)
3						Prevalence Index Wo	orksheet:		
4						Total % Cover of	Multiply b	<u>· </u>	
ō			0	= Total Cover		OBL Species FACW species	x 1 =		
				= Total Cover		FAC Species	x 2 = x 3 =		
lerb Stratum (pl	ot size:	5)				FACU Species	x 4 =	0	
1 Phalaris aru	ndinacea		20	Х	FACW	UPL Species	x 5 =	0	
2						Column Totals	0 (A)	0	(B)
3									
l						Prevalence Index =E	3/A =	#DIV/0!	
5						l halaon ku ti a Manatati			
6 			·······			Hydrophytic Vegetati		Ironhytia V agatatiay	
, <u> </u>							1- Rapid Test for Hyd 2- Dominance Test is		1
			20	= Total Cover			3-Prevalence Index is		
							4-Morphological Ada		upporting
loody Vine Stratur	<u>m</u> (plot size:)				data in Remarks or o)
1							5- Wetland Non-Vaso		
2							Problematic Hydroph		
			0	= Total Cover		¹ Indicators of hydric soil ar disturbed or problematic.	nd wetland hydrology	must be present, u	inless
						Hydrophytic			
A Para Cround in L	Herb Stratum	8	0			Vegetation	Yes X	No	
						Present?			

Profile Descri			PHS #	6904			Sampling Point:	6
-		the depth	needed to docume	nt the indicator or cor	nfirm the absen	ce of indicators.)		
Depth (Inches)	Matrix	%	Color (moist)	Redox Features % Type ¹	Loc ²	Texture	Demotio	
(incries) 0-14	Color (moist)	100	Color (moist)	<u>%</u> Type	LUC		Remarks	
0-14	10YR 3/1	100				Silty Clay Loam		
	· · · ·			Covered or Coated San		India	² Location: PL=Pore Lining, M=Matr	
-		cable to	all LKKS, unless	s otherwise noted.)		Indica	ators for Problematic Hydric S	
	Histosol (A1)			Sandy Redo			2 cm Muck (A10)	
	Histic Epipedon (A2)			Stripped Mat			Red Parent Material (
	Black Histic (A3)				ky Mineral (F1) (e	except MLRA 1)	Very Shallow Dark Su	
ł	Hydrogen Sulfide (A4	.)		Loamy Gleye	ed Matrix (F2)		Other (explain in Rem	arks)
[Depleted Below Dark	Surface (A	411)	Depleted Ma	atrix (F3)			
T	Thick Dark Surface (/	412)		Redox Dark	Surface (F6)		³ Indicators of hydrophytic vegetation	and watland
	Sandy Mucky Mineral	(S1)		Depleted Da	ark Surface (F7)		hydrology must be present, unless	
	Sandy Gleyed Matrix	(S4)		Redox Depre	essions (F8)		problematic.	
Restrictive L	_ayer (if present)	:						
Гуре:								
Depth (inches):					Hydric Soil Pres	ent? Yes <u>No</u>	<u>x</u>
	GY drology Indicator	s:						
Wetland Hyd			uired; check all th	lat apply)			Secondary Indicators (2 or mo	pre required)
Vetland Hyd Primary Indic	drology Indicator		uired; check all th	11.77	ed Leaves (B9) (Except MLRA	Secondary Indicators (2 or mo	· /
Vetland Hyd Primary Indic	drology Indicator	of one req	uired; check all th	11.77		Except MLRA		; (B9)
Vetland Hyd Primary Indic S	drology Indicator cators (minimum o Surface Water (A1)	of one req	uired; check all th	Water staine	d 4B)	Except MLRA	Water stained Leaves	; (B9) 4 B)
Vetland Hyd Primary Indic F	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2	of one req	uired; check all th	Water staine 1, 2, 4A, and Salt Crust (E	d 4B)	Except MLRA	Water stained Leaves (MLRA1, 2, 4A, and	(B9) 4 B) 10)
Vetland Hyd Primary Indic F	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3)	of one req	uired; check all th	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve	d 4B) 311)	Except MLRA	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B	(B9) 4B) 10) ble (C2)
Vetland Hyd Primary Indic F	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	of one req	uired; check all th	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen St	d 4B) 311) ertebrates (B13) ulfide Odor (C1)	Except MLRA	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B ² Dry-Season Water Ta	; (B9) 4 B) 10) ble (C2) Aerial Imagery ((
Wetland Hyd Primary Indic F F S S S S S S S S S S S S S S S S S	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	of one req 2) 32)	uired; check all th	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh	d 4B) 311) ertebrates (B13) ulfide Odor (C1)	g Living Roots (C3)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B Dry-Season Water Ta Saturation Visible on	; (B9) 4 B) 10) ble (C2) Aerial Imagery (C (D2)
Wetland Hyd Primary Indic F F F S S S S S S S S S S S S S S S S	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3)	of one req 2) 32)	uired; check all th	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen Su Oxidized Rh Presence of	d 4B) 311) ortebrates (B13) ulfide Odor (C1) izospheres along	g Living Roots (C3) C4)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B Dry-Season Water Ta Saturation Visible on A Geomorphic Position	; (B9) 4 B) 10) ble (C2) Aerial Imagery (C (D2)
Wetland Hyd Primary Indic F F S S S S S S S S S S S S S S S S S	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B-	of one req 2) 32) 4)	uired; check all th	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen Su Oxidized Rh Presence of Recent Iron	d 4B) B11) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C	g Living Roots (C3) C4) owed Soils (C6)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B Dry-Season Water Ta Saturation Visible on Geomorphic Position Shallow Aquitard (D3)	; (B9) 4 B) 10) ble (C2) Aerial Imagery (((D2)
Wetland Hyd Primary Indic F F F F F F F F F F F F F F F F F F F	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B ron Deposits (B5)	of one req 2) 32) 4) (B6)	. ,	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S	d 4B) B11) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo	g Living Roots (C3) C4) owed Soils (C6)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B Dry-Season Water Ta Saturation Visible on Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5)	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A)
Wetland Hyd Primary Indic F S S S S S S S S S S S S S S S S S S	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- ron Deposits (B5) Surface Soil Cracks (of one req 2) 32) 4) (B6) Aerial Ima	igery (B7)	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S	d 4B) att) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (g Living Roots (C3) C4) owed Soils (C6)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A)
Wetland Hyd Primary Indic F F F F F F F F F F F F F F F F F F F	cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- ron Deposits (B5) Surface Soil Cracks (nundation Visible on Sparsely Vegetated (of one req 2) 32) 4) (B6) Aerial Ima	igery (B7)	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S	d 4B) att) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (g Living Roots (C3) C4) owed Soils (C6)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A)
Wetland Hyd Primary Indic 9 1 <	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Orift Deposits (B3) Algal Mat or Crust (B- iron Deposits (B5) Surface Soil Cracks (nundation Visible on Sparsely Vegetated O vations:	of one req 2) 32) 4) (B6) Aerial Ima	igery (B7)	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S	d 4B) att) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (g Living Roots (C3) C4) owed Soils (C6)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A)
Wetland Hyd Primary Indic Field Observ Surface Water	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (nundation Visible on Sparsely Vegetated C vations: Present? Yes	of one req 2) 32) 4) (B6) Aerial Ima	ıgery (B7) urface (B8)	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen Su Oxidized Rh Presence of Recent Iron Stunted or S Other (Expla	d 4B) att) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A)
Primary Indic	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- ron Deposits (B5) Surface Soil Cracks (nundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes	of one req 2) 32) 4) (B6) Aerial Ima	igery (B7) urface (B8) No <u>X</u>	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S Other (Expla	d 4B) B11) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Etressed Plants (ain in Remarks)	g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on , Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I Frost-Heave Hummod	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A)
Wetland Hyd Primary Indic Field Obsern Surface Water Water Table Pr Saturation Pres (includes capillar)	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req 2) 32) 4) Aerial Ima Concave St	igery (B7) urface (B8) No X No X No X	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen Su Oxidized Rh Presence of Recent Iron Stunted or S Other (Expland) Depth (inches): Depth (inches): Depth (inches):	d 4B) 311) prebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (ain in Remarks) >14 >14	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hydr	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I Frost-Heave Hummod rology Present?	(B9) 4B) 10) 10) 10) Aerial Imagery (C (D2) (D2) (D6) (LRR A) C6) (LRR A)
Wetland Hyd Primary Indic Field Obsern Surface Water Water Table Pr Saturation Pres (includes capillar)	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req 2) 32) 4) Aerial Ima Concave St	igery (B7) urface (B8) No X No X No X	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S Other (Explation) Depth (inches): Depth (inches):	d 4B) 311) prebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (ain in Remarks) >14 >14	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hydr	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I Frost-Heave Hummod rology Present?	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A) :ks (D7)
Wetland Hyd Primary Indic Field Obsern Surface Water Water Table Pr Saturation Pres (includes capillar)	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req 2) 32) 4) Aerial Ima Concave St	igery (B7) urface (B8) No X No X No X	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen Su Oxidized Rh Presence of Recent Iron Stunted or S Other (Expland) Depth (inches): Depth (inches): Depth (inches):	d 4B) 311) prebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (ain in Remarks) >14 >14	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hydr	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I Frost-Heave Hummod rology Present?	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A) :ks (D7)
Wetland Hyd Primary Indic Field Observ Surface Water Water Table Pr Saturation Press (includes capillar) Describe Reco	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req 2) 32) 4) Aerial Ima Concave St	igery (B7) urface (B8) No X No X No X	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen Su Oxidized Rh Presence of Recent Iron Stunted or S Other (Expland) Depth (inches): Depth (inches): Depth (inches):	d 4B) 311) prebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (ain in Remarks) >14 >14	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hydr	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I Frost-Heave Hummod rology Present?	(B9) 4B) 10) ble (C2) Aerial Imagery (C (D2)) D6) (LRR A) :ks (D7)
Wetland Hyd Primary Indic Field Obsern Surface Water Water Table Pr Saturation Pres (includes capillar)	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O vations: Present? Yes resent? Yes sent? Yes y fringe)	of one req 2) 32) 4) Aerial Ima Concave St	igery (B7) urface (B8) No X No X No X	Water staine 1, 2, 4A, and Salt Crust (E Aquatic Inve Hydrogen Su Oxidized Rh Presence of Recent Iron Stunted or S Other (Expland) Depth (inches): Depth (inches): Depth (inches):	d 4B) 311) prebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo Stressed Plants (ain in Remarks) >14 >14	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hydr	Water stained Leaves (MLRA1, 2, 4A, and Drainage Patterns (B' Dry-Season Water Ta Saturation Visible on J Geomorphic Position Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (I Frost-Heave Hummod rology Present?	(B9) 4B) 10) (ble (C2) Aerial Imagery (((D2)) D6) (LRR A) Cks (D7)

v	ETLAND DET	ERMINATION	N DATA FOI	RM - Weste	rn Mountains, Val	leys, and Co	PHS # ast Region	6904
oject/Site:	Walgrave Prop		City/County:		tin/Washington	Sampling Dat	-	5/2021
oplicant/Owner:	Phelan Developn	-			State:		Sampling Point:	7
vestigator(s):	TF/MS	5	Section, To	wnship, Range:	Sectio	n 22, Township	2S, Range 1W	
ndform (hillslope, te	errace, etc.:)	Slope	-	Local relief (cor	ncave, convex, none):	none	Slope (%):	5
ubregion (LRR):	LRF	RA	Lat:		– Long:		Datum:	WSG85
oil Map Unit Name:		Quata	ma loam			ssification:		
e climatic/hydrologi	c conditions on the site	e typical for this tim	e of year?	Yes	X No	(if no, e	explain in Remarks)	
e vegetation	Soil or	Hydrology	significantly dist	urbed?	Are "Normal Circumstanc	es" present? (Y/N) Y	
e vegetation	Soil or	Hydrology	naturally probler	natic? If needed	, explain any answers in Re	marks.)		
			- 					
			showing san	npling point	locations, transects	, important fe	eatures, etc.	
ydrophytic Vegetatic		X No		Is Sampled Ar	ea within			
ydric Soil Present?	Yes	No		a Wetlar		<u>X</u>	No	
etland Hydrology P	resent? Yes	X No						
emarks:								
	Use scientific n	amos of plant	6					
	Use scientific fi	absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
		% cover	Species?	Status				
ree Stratum (plot	size:)			Number of Dominant Spe	cies		
					That are OBL, FACW, or I	FAC:	3	(A)
					Total Number of Dominan		_	(=)
					Species Across All Strata:		3	(B)
		0	= Total Cover					
apling/Shrub Stratur)			Percent of Dominant Spec			
Rubus armeni		40	<u> </u>	FAC	That are OBL, FACW, or	FAC:	100%	(A/B)
Crataegus mo	nogyna	20	<u> </u>	FAC	Duran la carl la class Ma			
Rosa sp		10		(FAC)	Prevalence Index Wo		. h. u	
·					Total % Cover of OBL Species	Multiply x 1		
		70	= Total Cover		FACW species	x 1		
					FAC Species	x 3		
erb Stratum (plot	size: 5)			FACU Species	x 4	= 0	
Unidentified g	irass	70	Х	(FAC)	UPL Species	x 5	i = 0	
Mentha pulegi	ium	10		OBL	Column Totals	0 (A)	0	(B)
Madia glomera	ata	5		FACU				
Leucanthemu	m vulgare	2		FACU	Prevalence Index =	3/A =	#DIV/0!	
					Hydrophytic Vegetati			
						-	ydrophytic Vegetatio	n
			- Tatal Oaura	·		2- Dominance Test 3-Prevalence Index		
		87	= Total Cover				aptations ¹ (provide s	supporting
oody Vine Stratum	(plot size:)					on a separate sheet	
						5- Wetland Non-Va	-	-
						Problematic Hydro	phytic Vegetation ¹ (E	xplain)
		0	= Total Cover		¹ Indicators of hydric soil a	nd wetland hydrolo	gy must be present,	unless
					disturbed or problematic.			
					Hydrophytic			
Bare Ground in He	rh Stratum	15			Vegetation	Yes >	K No	

SOIL			PHS #	690 _/	4			Sampling Point: 7
Profile Descri Depth	iption: (Describe to t Matrix	he depth	needed to docume		tor or con eatures	firm the absen	ce of indicators.)	
(Inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/2	90	10YR 3/6	5	С	PL	Sandy Loam	OR's
0-4		,	10YR 3/4	5	с	м	Sandy Loam	Medium
4-10	10YR 2/2	95	10YR 3/4	5	С	м	Sandy Loam	Medium
	centration, D=Depletic					d Grains.	Indic	² Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			all LRRS, unless			. (05)	maic	-
	Histosol (A1)				andy Redo			2 cm Muck (A10)
	Histic Epipedon (A2)				ripped Mat			Red Parent Material (TF2)
	Black Histic (A3)				-	y Mineral (F1) (e	except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4					d Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (/	A11)	D	epleted Ma	trix (F3)		
	Thick Dark Surface (A	A12)		X R	edox Dark	Surface (F6)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Mineral	(S1)		D	epleted Da	rk Surface (F7)		hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix	(S4)		R	edox Depre	essions (F8)		problematic.
Restrictive	Layer (if present):							
Туре:								
Depth (inches	s):						Hydric Soil Pres	sent? Yes X No
Remarks:	·						,	
HYDROLO Wetland Hy	DGY rdrology Indicator	5:						
-			uirad: abaak all th					
	cators (minimum o	r one req	uired; check all tr					
	Surface Water (A1) High Water Table (A2	!)			atar ataina			Secondary Indicators (2 or more required)
	Saturation (A3)	-		W	ater staine 2, 4A, and	d Leaves (B9) (4 B)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
	Water Marks (B1)	-		W 1,		4B)	Except MLRA	Water stained Leaves (B9)
		-		W 1, Sa	2, 4A, and alt Crust (B	4B)	Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
	Sediment Deposits (E	2)		W 1, S; Ac	2, 4A, and alt Crust (B quatic Inve	11)	Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
	. ,	2)		W 1, S; A; H;	2, 4A, and alt Crust (B quatic Invei ydrogen Su	4B) 11) tebrates (B13) lfide Odor (C1)	Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
	Sediment Deposits (E			W 1, Sa Ad A	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi	4B) 11) tebrates (B13) lfide Odor (C1)	g Living Roots (C3)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
	Sediment Deposits (E Drift Deposits (B3)			W 1, Ad H XO PI	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron (C	g Living Roots (C3)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2)
	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4	1)			2, 4A, and alt Crust (B quatic Inver ydrogen Su vidized Rhi resence of ecent Iron F	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron (C	g Living Roots (C3) C4) wwed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3)
	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	l) B6) Aerial Ima	,	W 1, Ai H: X Pi R: Si	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or Si	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron (C Reduction in Plo	g Living Roots (C3) C4) wwed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C	l) B6) Aerial Ima	,	W 1, Ai H: X Pi R: Si	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or Si	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (C Reduction in Plo tressed Plants (g Living Roots (C3) C4) wwed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Field Obser	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C rvations:	l) B6) Aerial Ima	urface (B8)	W 1, Ad H X O P R S S O	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or Si ther (Expla	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (C Reduction in Plo tressed Plants (g Living Roots (C3) C4) wwed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Field Obser	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C rvations: r Present? Yes	l) B6) Aerial Ima	No X	W W 1, Si Ai Ai Pi V R R Si O O Depth (ir	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron R unted or Si ther (Expla	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alon Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks)	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obser Surface Water Water Table P Saturation Pre	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C rvations: r Present? Yes Present? Yes esent? Yes	l) B6) Aerial Ima	urface (B8)	W 1, Ad H X O P R S S O	2, 4A, and alt Crust (B quatic Inver vdrogen Su xidized Rhi resence of ecent Iron F unted or Si ther (Expla	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (C Reduction in Plo tressed Plants (g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Field Obser Surface Water Water Table P Saturation Pre (includes capillat	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C rvations: r Present? Yes Present? Yes esent? Yes	I) B6) Aerial Ima Concave S	No X No X No X No X	W 1, Si Ai H! X O Ri Si O Depth (ir Depth (ir Depth (ir	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or Si ther (Explain ther (Explain aches):	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alone Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks) >10 >10	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hyc	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obser Surface Water Water Table P Saturation Pre (includes capillat	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C rvations: r Present? Yes Present? Yes esent? Yes ry fringe)	I) B6) Aerial Ima Concave S	No X No X No X No X	W 1, Si Ai H! X O Ri Si O Depth (ir Depth (ir Depth (ir	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or Si ther (Explain ther (Explain aches):	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alone Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks) >10 >10	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hyc	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obser Surface Water Water Table P Saturation Pre (includes capillat	Sediment Deposits (E Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C rvations: r Present? Yes Present? Yes esent? Yes ry fringe)	I) B6) Aerial Ima Concave S	No <u>X</u> No <u>X</u> No <u>X</u> No <u>X</u>	W 1, Si Ai H! X O Ri Si O Depth (ir Depth (ir Depth (ir	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or Si ther (Explain ther (Explain aches):	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alone Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks) >10 >10	g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hyc	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

١	WETLAND	DETER	RMINATIO	Ν DATA FOI	RM - Weste	ern Mountains, Val	levs, and Coas	PHS # t Region	6904
Project/Site:	Walgrav			City/County:		tin/Washington	Sampling Date:	-	5/2021
pplicant/Owner:	Phelan De		-	- j j		State:		Sampling Point:	8
vestigator(s):		TF/MS		Section, To	wnship, Range:	Sectio	n 22, Township 25		
andform (hillslope,	terrace, etc.:)		Hill/Mour			ncave, convex, none):	None	-	2
ubregion (LRR):	. ,	LRR A		Lat:	·	Long:			WSG85
oil Map Unit Name				ama loam			ssification:	_	
re climatic/hydrolog		n the site ty			Yes		(if no, expl		
	Soil			significantly dist	urbed?	Are "Normal Circumstand			
re vegetation		_				, explain any answers in Re			
5		_ ,				, I 3	,		
UMMARY OF	FINDINGS	 Attac 	h site map	showing san	npling point	locations, transects	s, important feat	ures, etc.	
ydrophytic Vegetat	tion Present?	Yes	X No)	Is Sampled A	ea within			
lydric Soil Present?	2	Yes	No	X	a Wetla			No X	
Vetland Hydrology F	Present?	Yes	No	X					
emarks:									
EGETATION	- Use scien	tific nan			Indiactor	Dominance Test wor	keboot:		
			absolute % cover	Dominant Species?	Indicator Status	Dominance Test Wor	NSHEEL.		
ree Stratum (plo	ot size:)				Number of Dominant Spe	cies		
						That are OBL, FACW, or	FAC:	2	(A)
3						Total Number of Dominar	ıt		
1						Species Across All Strata	:	3	(B)
			0	= Total Cover					
apling/Shrub Stratu	um (plot size	e: 30)			Percent of Dominant Spe	cies		
Rubus armer	niacus		80	Х	FAC	That are OBL, FACW, or	FAC:	67%	(A/B)
Rosa pisoca	rpa		30	Χ	FAC				
						Prevalence Index Wo			
-						Total % Cover of	Multiply by		
ō			110	- Total Cavar		OBL Species	x 1 =	0	
			110	= Total Cover		FACW species FAC Species	x 2 = x 3 =	0	
erb Stratum (plo	ot size:	5)				FACU Species	x 4 =	0	
Agrostis cap	illaris		60	X	FAC	UPL Species	x 5 =	0	
Jacobaea vu	lgaris		15		FACU	Column Totals	0 (A)	0	(B)
Leucanthem	um vulgare		10		FACU				
Daucus caro			5		FACU	Prevalence Index =	B/A = #	DIV/0!	
Cirsium vulg	are		5		FACU				
<u> </u>						Hydrophytic Vegetat			
							1- Rapid Test for Hydro		n
			95	- Total Cover			2- Dominance Test is 3-Prevalence Index is		
			30	= Total Cover			3-Prevalence index is 4-Morphological Adapt		supporting
oody Vine Stratum	<u>n</u> (plot size:)				data in Remarks or on		
		·	-				5- Wetland Non-Vascu	ılar Plants ¹	
2							Problematic Hydrophy	tic Vegetation ¹ (E	xplain)
			0	= Total Cover		¹ Indicators of hydric soil a	nd wetland hydrology r	nust be present,	unless
						disturbed or problematic.			
6 Bare Ground in H	lerb Stratum					Hydrophytic Vegetation	Yes X	No	

SOIL			PHS #	690)4			Sampling Point: 8
Profile Descri	otion: (Describe to f	the depth	needed to docume	nt the indic	ator or co	nfirm the absen	ce of indicators.)	
Depth	Matrix	0/			Features	Loc ²	- .	
(Inches)	Color (moist)	%	Color (moist)	%	Туре'	LOC	Texture	Remarks
0-4	10YR 3/3	100		<u> </u>		·	Silt Loam	<u></u>
4-12	10YR 3/3	95	10YR 3/0	5	С	M	Silt Loam	Nodules
			·			·		
				·		·		
				·		·		
				·		·		
				·		·		
17 0.0				·				2
	entration, D=Depletion						Indic	² Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-	Histosol (A1)				andy Redo		indio	2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped Ma			Red Parent Material (TF2)
	Black Histic (A3)					ky Mineral (F1) (e	except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4)			-	ved Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	-	Δ11)		epleted M			
	Thick Dark Surface (~~~)		-	Surface (F6)		
	Sandy Mucky Mineral					ark Surface (F7)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Gleyed Matrix				-	ressions (F8)		hydrology must be present, unless disturbed or problematic.
	_ayer (if present):							propontato.
Type:		•						
Depth (inches).						Hydric Soil Pres	sent? Yes No X
Remarks:). 						Hydric Soli Fres	
HYDROLO Wetland Hyd	GY drology Indicator	s:						
Primary Indic	ators (minimum o	of one req	uired; check all th	nat apply)				Secondary Indicators (2 or more required)
S	Surface Water (A1)			V	Vater stain	ed Leaves (B9) (I	Except MLRA	Water stained Leaves (B9)
ł	High Water Table (A2	2)		1	, 2, 4A, an	d 4B)		(MLRA1, 2, 4A, and 4B)
	Saturation (A3)			s	Salt Crust (I	B11)		Drainage Patterns (B10)
\	Vater Marks (B1)			A	quatic Inve	ertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (E	32)		⊦	lydrogen S	ulfide Odor (C1)		Saturation Visible on Aerial Imagery (C
	Drift Deposits (B3)			C	Dxidized Rh	nizospheres alono	g Living Roots (C3)	Geomorphic Position (D2)
	Algal Mat or Crust (B	4)				f Reduced Iron (C		Shallow Aquitard (D3)
	ron Deposits (B5)					Reduction in Plo	()	Fac-Neutral Test (D5)
	Surface Soil Cracks (. ,				Stressed Plants (I	D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
	nundation Visible on				other (Expla	ain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated C	Juncave S	unace (Bo)					
Field Observ								
Surface Water			No	Depth (i				
Water Table Pr			No	Depth (i			Wetland Hyd	Irology Present?
Saturation Pres (includes capillar			No	Depth (i	nches):			Yes NoX
Describe Reco	rded Data (stream ga	auge, mon	itoring well, aerial ph	notos, previo	us inspecti	ions), if available:		
Remarks:								

,	WETLAND	DETER	RMINATIO	ON DATA FO	RM - Weste	ern Mountains, Va	lleys, and	Coast I	PHS # Region	6904
Project/Site:	Walgrav			City/County:		, tin/Washington	Sampling		•	5/2021
pplicant/Owner:	Phelan Dev					State:	OR	Sa	mpling Point:	9
ivestigator(s):		MS/TF		Section, To	wnship, Range:	Sectio	on 22, Towns	hip 2S, F	Range 1W	
andform (hillslope,	, terrace, etc.:)		Flat		Local relief (co	ncave, convex, none):	none)	Slope (%):	1
ubregion (LRR):		LRR A	\	Lat:		Long:			Datum:	WSG8
oil Map Unit Name	e:		Qua	atama loam			assification:		-	
re climatic/hydrolo		n the site ty	pical for this	time of year?	Yes		(if r			
re vegetation	-	-	drology	-	urbed?	Are "Normal Circumstar	·	-		
re vegetation		_	drology			l, explain any answers in R				
						.,	,			
UMMARY OF	FINDINGS	– Attac	h site ma	p showing sar	npling point	locations, transect	s, importan	t feature	es, etc.	
lydrophytic Vegetat	tion Present?	Yes	X	10	Is Sampled A	roo within				
lydric Soil Present?	?	Yes	X	10	a Wetlan		Х	No		
etland Hydrology	Present?	Yes	XN	lo						
emarks:										
EGETATION	- Use scient	tific nan								
			absolute % cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:			
ree Stratum (plo	ot size:)				Number of Dominant Spe	ecies			
1						That are OBL, FACW, or	FAC:	ŧ	5	(A)
2										
3						Total Number of Domina	nt			
4						Species Across All Strata	a:	5	5	(B)
			0	= Total Cover						
apling/Shrub Strate	tum (plot size	: 30)			Percent of Dominant Spe	ecies			
Crataegus m	nonogyna		30	х	FAC	That are OBL, FACW, o	r FAC:	10	0%	(A/B)
2 Rosa nutkan	na		20	X	FAC					
Rosa pisoca	irpa		20	X	FAC	Prevalence Index W	orksheet:			
4 Rubus arme	niacus		15		FAC	Total % Cover of	Mul	tiply by:	-	
5 Fraxinus lati	ifolia		5		FACW	OBL Species		x 1 =	0	
			90	= Total Cover		FACW species		x 2 =	0	
1 OL 1 (21	at aiza	10)				FAC Species		x 3 =	0	
ler <u>b Stratum</u> (plo 1 Poa annua	ot size:)	60	x	FAC	FACU Species		x 4 =	0	
2 Agrostis cap	villarie		60	<u> </u>	FAC FAC	UPL Species Column Totals	0 (A)	x 5 =	0	(B)
3 Cynosurus c			10		FACU	Column rotais	(A)			(0)
Schedonorus		us	10		FAC	Prevalence Index =	:B/A =	#DI	V/0!	
5 Jacobaea vu			5		FACU					
6 Leontodon s	-		5		FACU	Hydrophytic Vegeta	tion Indicator	s:		
7 Mentha pule	gium	_	5		OBL		1- Rapid Test fo		ytic Vegetatio	'n
3						x	2- Dominance	Test is >50	0%	
			155	= Total Cover			3-Prevalence Ir			
			、 				4-Morphologica			
/oody Vine Stratun	<u>m</u> (plot size:)				data in Remark		•	t)
1				. <u> </u>			5- Wetland Nor			·
/			0	- T-+-! C		¹ Indicators of hudrin and	Problematic Hy			
				= Total Cover		¹ Indicators of hydric soil a	and welland hyd	lology mus	s ve present,	uniess
2				-		disturbed or problematic.				
				_		disturbed or problematic. Hydrophytic Vegetation				

SOIL			PHS #	6	904	_		Sampling Point: 9
	ption: (Describe to	the depth	needed to docume			onfirm the absen	ce of indicators.)	
Depth (Inchos)	Matrix	%	Color (moint)	Redo %	x Features Type ¹	Loc ²	Texture	Remarks
(Inches)	Color (moist)		Color (moist)	-				
0-12	7.5YR 3/2	95	5YR 3/8	5	C	PL	Silt Loam	OR's throughout
					·			
					·			
	centration, D=Deplet Indicators: (Appl						Indic	² Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-	Histosol (A1)			0 001011	Sandy Red		indio	2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped M			Red Parent Material (TF2)
					•	cky Mineral (F1) (e	vcont MI BA 1)	Very Shallow Dark Surface (TF12)
	Black Histic (A3)	4)			•		ACEPT MERA I)	
	Hydrogen Sulfide (A				-	yed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Darl		A11)		Depleted N			
	Thick Dark Surface (A12)		X	-	k Surface (F6)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Minera	al (S1)			Depleted D	ark Surface (F7)		hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix				Redox Dep	pressions (F8)	1	problematic.
	Layer (if present)):						
Туре:					_			
Depth (inches	s):				_		Hydric Soil Pres	sent? Yes X No
HYDROLO								
	drology Indicato	rs:						
-	cators (minimum o		wired: check all t	hat annly)			Secondary Indicators (2 or more required)
	Surface Water (A1)			nat apply		ned Leaves (B9) (I	Except MI RA	Water stained Leaves (B9)
	High Water Table (A	2)			1, 2, 4A, ar			(MLRA1, 2, 4A, and 4B)
	Saturation (A3)				Salt Crust	(B11)		Drainage Patterns (B10)
	Water Marks (B1)				Aquatic Inv	vertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B2)			Hydrogen S	Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)			х	Oxidized R	hizospheres along	g Living Roots (C3)	Geomorphic Position (D2)
	Algal Mat or Crust (E	84)			- Presence o	of Reduced Iron (C	24)	Shallow Aquitard (D3)
	Iron Deposits (B5)				Recent Iror	n Reduction in Plo	wed Soils (C6)	Fac-Neutral Test (D5)
	Surface Soil Cracks	(B6)			Stunted or	Stressed Plants (I	D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
	Inundation Visible or	Aerial Ima	agery (B7)		Other (Exp	lain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated	Concave S	urface (B8)		•			
Field Obser	vations:							
Surface Water	Present? Yes		No X	Depth	(inches):			
Water Table P	resent? Yes		No X	Depth	(inches):	>12	Wetland Hyd	rology Present?
Saturation Pre (includes capilla			No X	Depth	(inches):	>12		Yes X No
Describe Reco	orded Data (stream g	auge, mon	itoring well, aerial pł	notos, prev	ious inspect	tions), if available:	<u>. </u>	
Remarks:								

WF		RMINATION		RM - Weste	rn Mountains, Val	levs and Coa	PHS #	6904
	Walgrave Prope		City/County:		tin/Washington	Sampling Date	-	5/2021
· · · · · · · · · · · · · · · · · · ·	nelan Developme		eng, eeung:		State:		Sampling Point:	
nvestigator(s):	TF/MS		Section To	wnship, Range:		n 22, Township 2	1 0	
Landform (hillslope, terra		Slope	-		ncave, convex, none):	none	Slope (%):	2
Subregion (LRR):	LRR		Lat:		· · · ·	liono		
Soil Map Unit Name:	ERRY		- Ima loam			ssification:		110000
Are climatic/hydrologic co	anditions on the site			Yes		(if no, ex		
			-					
·	·······	ydrology	significantly dist		Are "Normal Circumstand	,	<u> </u>	
Are vegetation	Soil or H	ydrology		natic? If needed	, explain any answers in Re	marks.)		
SUMMARY OF FIN	IDINGS – Atta	ch site map s	showing san	npling point	locations, transects	, important fea	tures, etc.	
Hydrophytic Vegetation F		X No	•			•		
Hydric Soil Present?	Yes	No	X	Is Sampled An a Wetlar	rea within Yes		No X	
Vetland Hydrology Prese	ent? Yes	No	X	u Wella	<u> </u>			
Remarks:								
Centarks.								
/EGETATION - Us	e scientific na	mes of plant	s.					
		absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
in a Ohnsteiner (mint sim	20	% cover	Species?	Status				
ree Stratum (plot size) _	v		Number of Dominant Spe			(A)
1 Fraxinus latifolia 2		5	<u> </u>	FACW	That are OBL, FACW, or	FAC:	4	(A)
2 3					Total Number of Dominan	+		
4					Species Across All Strata		4	(B)
·		5	= Total Cover			·		(0)
anling/Chruh Stratum		<u> </u>						
apling/Shrub Stratum	(plot size: 30	_)	v		Percent of Dominant Spec		4000/	
1 Rosa sp 2 Rubus armeniac		<u>25</u> 15	<u> </u>	(FAC) FAC	That are OBL, FACW, or	FAC:	100%	(A/B)
3 Fraxinus latifolia		5		FAC	Prevalence Index Wo	orkshoot.		
4 Crataegus dougl		5		FAC	Total % Cover of	Multiply b	۵V.	
5 Crataegus mono		5		FAC	OBL Species	x 1 =		
g	37	55	= Total Cover		FACW species	x 2 =		
					FAC Species	x 3 =	= 0	
ler <u>b Stratum</u> (plot size	e: 10)			FACU Species	x 4 =	= 0	
1 Unidentified gras	s	90	X	(FAC)	UPL Species	x 5 =	= 0	
2 Hypochaeris rad	icata	5		FACU	Column Totals	0 (A)	0	(B)
3 Daucus carota		2		FACU				
4 Jacobaea vulgar	is	1		FACU	Prevalence Index =	B/A =	#DIV/0!	
5					l hadaa a ka dha Mara a a'	a		
6 					Hydrophytic Vegetati		dranksti-V- ("	-
7 8						1- Rapid Test for Hy 2- Dominance Test i		11
·		98	= Total Cover			2- Dominance Test i 3-Prevalence Index i		
		30				4-Morphological Ada		supporting
/oody Vine Stratum (olot size:)				data in Remarks or o		
1						5- Wetland Non-Vas	cular Plants ¹	
2						Problematic Hydroph	nytic Vegetation ¹ (E	xplain)
		0	= Total Cover		¹ Indicators of hydric soil a	nd wetland hydrolog	y must be present,	unless
					disturbed or problematic.			
					Hydrophytic			
% Bare Ground in Herb S	Stratum				Vegetation	Yes X	No	

SOIL										
-	ption: (Describe to t	he depth	needed to docume			firm the absen	ce of indicators.)			
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	%	Features Type ¹	Loc ²	Texture		Remarks	
0-3	10YR 2/2	99	10YR 3/4	1	С	PL	Sandy Loam			
3-10	10YR 3/2	99	10YR 3/4	1	С	М	Sandy Loam	Medium		
	<u> </u>									
	·									
	centration, D=Depletic								L=Pore Lining, M=	-
-	Indicators: (Appli	cable to	all LRRs, unles				Indic	ators for Pr	oblematic Hydr	
	Histosol (A1)				andy Redo				_2 cm Muck (A10)	
	Histic Epipedon (A2)				tripped Mat				_Red Parent Mate	
	Black Histic (A3)				-	y Mineral (F1) (e	Except MLRA 1)		Very Shallow Dar	
	Hydrogen Sulfide (A4)					ed Matrix (F2)			Other (explain in	Remarks)
	Depleted Below Dark		411)		epleted Ma					
	Thick Dark Surface (A					Surface (F6)		³ Indicators o	of hydrophytic vegel	tation and wetland
	Sandy Mucky Mineral				-	rk Surface (F7)			nust be present, un	
	Sandy Gleyed Matrix	(S4)		R	edox Depre	essions (F8)			problematic.	
in a t										
ype: Depth (inches Remarks:):						Hydric Soil Pre	sent? Yes		No <u>X</u>
Depth (inches Remarks: IYDROLO Vetland Hyd	GY drology Indicators						Hydric Soil Pres			
Depth (inches Remarks: HYDROLO Vetland Hyd Primary Indic	GY drology Indicators		uired; check all t							r more required)
Pepth (inches Remarks: IYDROLO Vetland Hyd Primary Indic	GY drology Indicators	f one req	uired; check all t	W	/ater staine , 2, 4A, and	d Leaves (B9) (1 4B)			y Indicators (2 o Water stained Le (MLRA1, 2, 4A,	r more required) aves (B9)
Pepth (inches temarks: IYDROLO Vetland Hyd Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1)	f one req	uired; check all t	W 1,		i 4B)			Water stained Le	r more required) aves (B9) and 4B)
Pepth (inches temarks: IYDROLO Vetland Hyd Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2	f one req	uired; check all t	W 1, Sa	, 2, 4A, and alt Crust (B	i 4B)			Water stained Le (MLRA1, 2, 4A,	r more required) aves (B9) and 4B) s (B10)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3)	f one req 2)	uired; check all t	W 1, Sa Ad	, 2, 4A, and alt Crust (B quatic Inve	i 4B) :11)			Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate	r more required) aves (B9) and 4B) s (B10)
Pepth (inches Remarks: Primary Indic Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	f one req 2)	uired; check all t	W 1, Sa Aa H	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su	1 4B) 111) rtebrates (B13) ulfide Odor (C1)			Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic Primary Indic S S S S S S S S S S S S S	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	<u>f one req</u> 2) 32)	uired; check all t	W 1, Sa Ad H 0	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su yxidized Rhi	1 4B) 111) rtebrates (B13) ulfide Odor (C1)	Except MLRA		Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic	GY drology Indicators Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	<u>f one req</u> 2) 32)	uired; check all t	W 1, Si Ai H1 0 Pr	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of	1 4B) 111) rtebrates (B13) Ilfide Odor (C1) izospheres along	Except MLRA g Living Roots (C3) C4)		Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic S S S S S S S S S S S S S	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4	<u>f one req</u> 2) 32) 4)	uired; check all t	W A A O P R	, 2, 4A, and alt Crust (B quatic Invel ydrogen Su yxidized Rhi resence of ecent Iron I	1 4B) (11) (Intebrates (B13) (Intebrates (B13)) (Intebrates (B13)) (Intebrates (B13)) (Intebrates (B13)) (Integration (Construction (Constru	Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5)
Pepth (inches temarks: IYDROLO Vetland Hyc Primary Indic Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B1) Drift Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5)	<u>f one req</u> 2) 32) 4) B6)		W 1, A 4 0 0 Pr R 8	, 2, 4A, and alt Crust (B quatic Inve ydrogen Su ydrogen Su ydroge	1 4B) ittl) ittebrates (B13) ilfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo	Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Patterm Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic Primary Indic S S S S S S S S S S S S S S S S S S S	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (I	f one req 2) 32) 4) B6) Aerial Ima	ıgery (B7)	W 1, A 4 0 0 Pr R 8	, 2, 4A, and alt Crust (B quatic Inve ydrogen Su ydrogen Su ydroge	I 4B) Intebrates (B13) Iffide Odor (C1) Izospheres along Reduced Iron (C Reduction in Plo tressed Plants (Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test Raised Ant Moun	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic Primary Indic S S S S S S S S S S S S S S S S S S S	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (I nundation Visible on Sparsely Vegetated C	f one req 2) 32) 4) B6) Aerial Ima	ıgery (B7)	W 1, A 4 0 0 Pr R 8	, 2, 4A, and alt Crust (B quatic Inve ydrogen Su ydrogen Su ydroge	I 4B) Intebrates (B13) Iffide Odor (C1) Izospheres along Reduced Iron (C Reduction in Plo tressed Plants (Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test Raised Ant Moun	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A)
Pepth (inches temarks: IYDROLO Vetland Hyd Primary Indic S S S S S S S S S S S S S	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (I nundation Visible on Sparsely Vegetated C vations:	f one req 2) 32) 4) B6) Aerial Ima	ıgery (B7)	W 1, A 4 0 0 Pr R 8	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su yxidized Rhi resence of recent Iron I tunted or S ther (Expla	I 4B) Intebrates (B13) Iffide Odor (C1) Izospheres along Reduced Iron (C Reduction in Plo tressed Plants (Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test Raised Ant Moun	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic Primary Indic S S S S S S S S S S S S S S S S S S S	GY drology Indicators sators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (I nundation Visible on Sparsely Vegetated C vations: Present? Yes	f one req 2) 32) 4) B6) Aerial Ima	ıgery (B7) urface (B8)	W 1, A H P P R S S O	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of eccent Iron I tunted or S ther (Expla	I 4B) Intebrates (B13) Iffide Odor (C1) Izospheres along Reduced Iron (C Reduction in Plo tressed Plants (Except MLRA g Living Roots (C3) C4) wwed Soils (C6)	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Patterm Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test Raised Ant Moun Frost-Heave Hum	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic Primary Indic Primary Indic Stella Obser	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (I nundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes	f one req 2) 32) 4) B6) Aerial Ima	igery (B7) urface (B8) No <u>X</u>	W 1, Ad H 0 P P R R S S S 0 O Depth (ir	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of eccent Iron I tunted or S ther (Expla	I 4B) intebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) C4) wwed Soils (C6) D1) (LRR A)	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test Raised Ant Moun Frost-Heave Hum	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic Primary Indic Primary Indic Stella Observious Stella Observiou	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (I nundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes	f one req 2) 32) 4) B6) Aerial Ima Concave Su	igery (B7) urface (B8) No X No X No X	W 1, 84 44 97 97 97 97 97 97 97 97 97 97 97 97 97	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su yxidized Rhi resence of recent Iron I tunted or S tunted or S ther (Expla nches):	1 4B) 111) rtebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks) >10 >10 >10	Except MLRA g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hyc	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test Raised Ant Moun Frost-Heave Hum	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A) nmocks (D7)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic Primary Indic Primary Indic Stella Observious Stella Observiou	GY drology Indicators sators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (I nundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes sent? Yes y fringe)	f one req 2) 32) 4) B6) Aerial Ima Concave Su	igery (B7) urface (B8) No X No X No X	W 1, 84 44 97 97 97 97 97 97 97 97 97 97 97 97 97	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su yxidized Rhi resence of recent Iron I tunted or S tunted or S ther (Expla nches):	1 4B) 111) rtebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks) >10 >10 >10	Except MLRA g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hyc	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test Raised Ant Moun Frost-Heave Hum	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A) nmocks (D7)
Pepth (inches temarks: TYDROLO Vetland Hyd Primary Indic Primary Indic Primary Indic Stella Observious Stella Observiou	GY drology Indicators sators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 ron Deposits (B5) Surface Soil Cracks (I nundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes sent? Yes y fringe)	f one req 2) 32) 4) B6) Aerial Ima Concave Su	igery (B7) urface (B8) No X No X No X	W 1, 84 44 97 97 97 97 97 97 97 97 97 97 97 97 97	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su yxidized Rhi resence of recent Iron I tunted or S tunted or S ther (Expla nches):	1 4B) 111) rtebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plo tressed Plants (in in Remarks) >10 >10 >10	Except MLRA g Living Roots (C3) C4) wed Soils (C6) D1) (LRR A) Wetland Hyc	Secondar	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test Raised Ant Moun Frost-Heave Hum	r more required) aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (ition (D2) (D3) (D5) ds (D6) (LRR A) nmocks (D7)

W	ETLAND DETE	RMINATIO	N DATA FO	RM - Weste	rn Mountain	s, Vallevs	s, and Coas	PHS # st Region	6904
Project/Site:	Walgrave Prope		City/County:		tin/Washington		Sampling Date:	-	5/2021
pplicant/Owner:	Phelan Developm	ent				State: 0	R	Sampling Point	11
	TF/MS		Section, To	wnship, Range:				S, Range 1W	
andform (hillslope, ter	race, etc.:)	Flat			ncave, convex, none		none	Slope (%)	1
Subregion (LRR):	LRR	A	Lat:			Long:		Datum	WSG8
oil Map Unit Name:		Co	- ve clay			NWI Classific		None	
re climatic/hydrologic	conditions on the site			Yes	x	No		lain in Remarks)	
are vegetation	Soil or H	lydrology	significantly dist	urbed?	Are "Normal Circ	cumstances" p	present? (Y/N)	Ŷ	
re vegetation		lydrology			, explain any answe	•			-
J							,		
	INDINGS – Atta	ch site map	showing sar	npling point	locations, trai	nsects, im	portant feat	ures, etc.	
lydrophytic Vegetation	Present? Yes	X No		Is Sampled Ar	ea within				
lydric Soil Present?	Yes	X No		a Wetlar		Yes)	<u>(</u>	No	_
Vetland Hydrology Pre	sent? Yes	X No							
emarks:									
EGETATION - U	Jse scientific na			lue all a set	Deminent –				
		absolute % cover	Dominant Species?	Indicator Status	Dominance Te	est workshe	et:		
ree Stratum_ (plot si	ize: 30)	_ _		Number of Domin	nant Species			
Fraxinus latifol	ia	30	х	FACW	That are OBL, FA	ACW, or FAC:		6	(A)
2									-
3					Total Number of I	Dominant			
4					Species Across A	All Strata:		6	(B)
		30	= Total Cover						
apling/Shrub Stratum	(plot size: 30)			Percent of Domin	ant Species			
Rosa pisocarpa	·····	10	х	FAC	That are OBL, FA	ACW, or FAC:		100%	(A/B)
Crataegus mon	ogyna	10	Х	FAC					
B Rosa nutkana		10	Х	FAC	Prevalence Inc	dex Worksh	neet:		
1					Total % Cover of		Multiply by	/:	
5					OBL Specie	es	x 1 =	0	_
		30	= Total Cover		FACW speci		x 2 =	0	_
ant Otratum (plot of	ize: 10	<u>۱</u>			FAC Specie		x 3 =	0	-
<u>erb Stratum</u> (plot si 1 Poa annua	ize. I 0	, 50	x	FAC	FACU Speci UPL Specie		x 4 = x 5 =	0	-
Agrostis capilla	pris	45	<u> </u>	FAC	Column Tota			0	(B)
3 Lotus cornicula		10		FAC	Column role		<u> </u>		(8)
Holcus lanatus		10		FAC	Prevalence	Index =B/A =	#	#DIV/0!	
5 Schedonorus a	rundinaceus	5		FAC					-
3 Jacobaea vulga	aris	5		FACU	Hydrophytic V	egetation l	ndicators:		
7						-		rophytic Vegetati	on
						2- Do	minance Test is	>50%	
3		125	= Total Cover				valence Index is		
3								tations ¹ (provide	
	<i></i>	<u> </u>					n Romarks or or		et)
loody Vine Stratum	(plot size:)						a separate shee	,
/oody Vine Stratum	(plot size:)				5- We	etland Non-Vasc	ular Plants ¹	
Voody Vine Stratum	(plot size:	_)			1 Indicators of built	5- We Proble	etland Non-Vasc ematic Hydrophy	ular Plants ¹ /tic Vegetation ¹ (I	Explain)
8 <u>Voody Vine Stratum</u> 1 2	(plot size:) 0	= Total Cover		¹ Indicators of hydi	5- We Proble Iric soil and we	etland Non-Vasc ematic Hydrophy	ular Plants ¹ /tic Vegetation ¹ (I	Explain)
Voody Vine Stratum	(plot size:) 0	= Total Cover		¹ Indicators of hydr disturbed or probl Hydrophytic	5- We Proble Iric soil and we	etland Non-Vasc ematic Hydrophy	ular Plants ¹ /tic Vegetation ¹ (I	Explain)

SOIL			PHS #	6	904			Sampling Point: 11
	ption: (Describe to	the depth	needed to docume			nfirm the absen	ce of indicators.)	
Depth (Inchos)	Matrix	%	Color (moist)	Redo %	ox Features Type ¹	Loc ²	Texture	Remarks
(Inches)	Color (moist)		Color (moist)					
0-12	10YR 3/2	80	5YR 4/6	20	<u> </u>	M,PL	Clay Loam	Coarse, Medium
						·		
						·		
					- <u> </u>	- <u> </u>		2
	centration, D=Depleti						Indic	² Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-	Histosol (A1)				Sandy Red			2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped Ma			Red Parent Material (TF2)
	Black Histic (A3)				-	ky Mineral (F1) (except MI RA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4)	1)			-	/ed Matrix (F2)		Other (explain in Remarks)
		-	A 1 1)					
	Depleted Below Dark Thick Dark Surface (-	ATT)	X	Depleted M	Surface (F6)		
					-			³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Minera Sandy Gleyed Matrix					ark Surface (F7) ressions (F8)		hydrology must be present, unless disturbed or problematic.
	Layer (if present)				- ·	~ /		·
Type:	,							
Depth (inches	<i>z</i>).						Hydric Soil Pres	sent? Yes X No
Remarks:					_			
HYDROLO Wetland Hy	GY drology Indicato	rs:						
Primary Indi	cators (minimum o	of one rec	uired; check all tl	hat apply	')			Secondary Indicators (2 or more required)
-	Surface Water (A1)					ed Leaves (B9) (Except MLRA	Water stained Leaves (B9)
	High Water Table (A	2)			1, 2, 4A, an	id 4B)		(MLRA1, 2, 4A, and 4B)
	Saturation (A3)				Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)				Aquatic Inve	ertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (I	B2)			Hydrogen S	Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)			Х	Oxidized Rh	nizospheres alon	g Living Roots (C3)	Geomorphic Position (D2)
	Algal Mat or Crust (B	4)			Presence of	f Reduced Iron (C4)	Shallow Aquitard (D3)
	Iron Deposits (B5)				-	Reduction in Plo		X Fac-Neutral Test (D5)
	Surface Soil Cracks			. <u> </u>	-	Stressed Plants ((D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on Sparsely Vegetated (Other (Expl	ain in Remarks)		Frost-Heave Hummocks (D7)
	· · · ·						r	
Field Obser			No. Y	D 4	<i>(</i> , , ,)	N 10		
Surface Water			No X	-	(inches):	>12	Wetlend Uvd	Inclose Dresont?
Water Table P			No X	-	(inches):	>12		Irology Present?
Saturation Pre (includes capilla			No <u>X</u>	Depth	i (inches):	>12		Yes X No
Describe Reco	orded Data (stream g	auge, mon	itoring well, aerial pł	notos, prev	vious inspect	ions), if available		
Remarks:								

v	VETLAND) DETE	RMINATIO		RM - Weste	ern Mountains, Va	alleys, and	I Coast	PHS # Region	6904
Project/Site:	Walgrav			City/County:		tin/Washington	Samplir		-	5/2021
Applicant/Owner:	Phelan De					State	OR	Sa	ampling Point:	12
nvestigator(s):		TF/MS		Section, To	wnship, Range:	Secti	on 22, Towr	iship 2S, I	Range 1W	
Landform (hillslope, t	terrace, etc.:)		Slope	-	Local relief (co	ncave, convex, none):	no	ne	Slope (%):	2
Subregion (LRR):		LRR	Α	Lat:		Long	:		- Datum:	WSG85
Soil Map Unit Name:			Co	- ve clay			lassification:			
Are climatic/hydrolog	ic conditions o	on the site	typical for this tim	ne of year?	Yes	X No	o (i	f no, explain	in Remarks)	
Are vegetation	Soil	or H	ydrology	significantly dist	turbed?	Are "Normal Circumsta	nces" present?	(Y/N)	Y	
Are vegetation	Soil	or H	ydrology	naturally proble	matic? If needed	l, explain any answers in R	Remarks.)			•
		_		_						
SUMMARY OF	FINDINGS	– Atta	ch site map	showing san	npling point	locations, transect	ts, importa	nt featur	es, etc.	
Hydrophytic Vegetation	on Present?	Yes	X No		Is Sampled A	ea within				
Hydric Soil Present?		Yes	No	Χ	a Wetla		s	No	X	
Wetland Hydrology P	Present?	Yes	No	Χ						
Remarks:										
		4161	man of other	ha.						
EGETATION -	use scien	itiric na	absolute	t s. Dominant	Indicator	Dominance Test wo	orksheet.			
			% cover	Species?	Status	Dominance rest wo	JINSHEEL.			
ree Stratum (plot	t size:	30)			Number of Dominant Sp	oecies			
1 Quercus garr	yana		5	Χ	FACU	That are OBL, FACW, o	or FAC:	:	3	(A)
2										
3						Total Number of Domina	ant			
4						Species Across All Strat	ta:		4	(B)
			5	= Total Cover						
apling/Shrub Stratu	m (plot size	e: 30)			Percent of Dominant Sp	ecies			
1 Crataegus mo	onogyna		40	X	FAC	That are OBL, FACW, o	or FAC:	75	5%	(A/B)
2 Rosa pisocar	ра		20	Х	FAC					
3 Rubus armen	iacus		10		FAC	Prevalence Index W	/orksheet:			
4 Crataegus do	uglasii		5		FAC	Total % Cover of	N	lultiply by:	-	
5						OBL Species		x 1 =	0	
			75	= Total Cover		FACW species FAC Species		x 2 = x 3 =	0	
lerb Stratum (plot	t size:	10)			FAC Species		x 3 = x 4 =	0	
1 Unidentified g			, 65	х	(FAC)	UPL Species		x 5 =	0	
2 Cynosurus cr			15		FACU	Column Totals	0 (/	A)	0	(B)
3 Poa sp			15		(FAC)		、			
4 Leontodon sa	axatilis		5		FACU	Prevalence Index	=B/A =	#DI	V/0!	
5 Jacobaea vul	garis		2		FACU					
6						Hydrophytic Vegeta	ation Indicat	ors:		
7							1- Rapid Tes	t for Hydropl	nytic Vegetatio	n
8						<u> </u>	2- Dominanc			
			102	= Total Cover			3-Prevalence			
loody Vino Stration	(plot size:)				-		ons ¹ (provide :	
<u>/oody Vine Stratum</u> 1	(piot size:)				5- Wetland N		separate shee Plants ¹	U)
2							-		Vegetation ¹ (E	xplain)
<u> </u>			0	= Total Cover		¹ Indicators of hydric soil	-			
						disturbed or problematic		- 37	F 991.4	
						•				
% Bare Ground in He						Hydrophytic Vegetation	Yes		No	

Identification of grasses to species is complicated by the extent of grazing.

Profile Deception: Clearchies to the depth meeded to document the labelace resultment. Texture Remarks (Doth) Cold (most) 50 Cold (most) 50 Cold (most) 50 Texture Texture Remarks 0-44 10YR 2/2 89 10YR 3/4 1 C M Sandy Loam Fine	SOIL			PHS #	6904				Sampling Point: 12
Induce Color (model) % Color Type Lot [®] Texture Remarks 0-4 10YR 2/2 99 10YR 3/4 1 C PL Sandy Leam Fine	-	-	the depth	needed to documer			firm the absen	ce of indicators.)	
0-4 10YR 2/2 9 10YR 3/4 1 C PL Sandy Learn Fine 4-12 10YR 2/2 99 10YR 3/4 1 C M Sandy Learn Fine 4-12 10YR 2/2 99 10YR 3/4 1 C M Sandy Learn Fine ************************************			%	Color (moist)			Loc ²	Texture	Remarks
0-4 7.5YR 3/4 1 C M Sandy Loam Fine 4-12 10YR 2/2 99 10YR 3/4 1 C M Sandy Loam Fine ""gen: C=Conventration, D=Displation, RM=Reduced Matrix, CB=Convent or Coated Sand Guins. Location: R_Leaster: PL=Pare Lining, M=Matrix, "Type: C=Conventration, D=Displation, RM=Reduced Matrix, CB=Convent or Coated Sand Guins. Location: Red Parent Matrix, (R1) "Mode Sail Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic (P2); Indicators (A) Sandy Robax (S6) 2 cm Mack (A10) Bate, Klaic, (A) Leany (Marky Monal (C1) Other problematic (T2); Oppleted Bates Data: Surface (A11) Desplated Matrix (C3) Other problematic, (T2); Oppleted Bates Data: Surface (A12) Redox Data: Surface (F6) Thetactors of typetypetypetypetypetypetypetypetypetype	, ,								
4-42 10YR 2/2 93 10YR 3/4 1 C M Sandy Leam Fine "Type: C-Correntation, D-Depletion, RM-Reduced Matrix, CS-Covered of Coated Sand Grain, "I coation: PL-Pure Lining, M-Matrix, Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils?: Histosof (A1) Sandy Roko (S6) _2 cm Mix (A10) Histosof (A1) Sandy Roko (S6) _2 cm Mix (A10) Bisck Hate (A3) Leamy Work (S10) North Suttace (A11) Depleted Below Dark Suttace (A11) Depleted Matrix (T2) Other (optiam in Remarks) Depleted Below Dark Suttace (A11) Depleted Matrix (T3) Productors of hydrochylic septiation and walland hydroogy must be service (T1) Sandy Maizy Mirear (S1) Depleted Dark Suttace (T2) The Carrow Matrix (S4) Productors (T2) Restrictive Layer (ff resent): Type:									
"Type: C=Cancentration, D=Dapleton, RM=Reduced Matrix, CS=Covered or Coated Sand Crains. *Location: PL=Pue Lining, M=Matrix, MeMatrix, MeMatrix, MeMatrix, CS=Covered or Coated Sand Crains. "Hatcod (A1) Sandy Redux (S5)	-	10YR 2/2	99					Sandy Loam	Fine
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls*: Historal (A1) Sandy Rodox (S5) 2 cm Mack (A10) Historal (A2) Shipped Marix (S5) Red Parent Material (TC2) Black Hatic (A3) Leamy Glayed Marix (S5) Red Parent Material (TC2) Opposed Bolix Dark Surface (A11) Depleted Marix (F2) Other (explain in Remarks) Depleted Bolix Dark Surface (A11) Depleted Marix (F2) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Sandy Macky Mineral (S1) Depleted Marix (F2) "Indicators of hydrophytic vegetation and wetland hydrology indicators: Type: Sandy Glayed Marix (S4) Redox Depressions (F8) "Indicators (2 or more required) Sandy Glayed Marix (S4) Redox Depressions (F8) Water stained Leaves (B0) (Except MLRA Water stained Leaves (B0) (Except MLRA HYDROLOGY Wetland Hydrology Indicators: No _ X X Primary Indicators (1) Valet stained Leaves (B0) (Except MLRA Water stained Leaves (B0) (Except MLRA Water stained Leaves (B0) (Except MLRA (10) Saturation (A3) Saturation (A449) Depleted Marix (A1) Depleted Marix (B1) Saturation (A3) Saturation (A469)		101112.2			<u> </u>				
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Historal (A1) Sandy Rodox (S5) 2 cm Mack (A10) Historal (A2) Stepped Matrix (S0) Red Parent Material (TC2) Depleted Bolox Dark Surface (A11) Depleted Matrix (F2) Other (explain in Remarks) Depleted Bolox Dark Surface (A12) Redox Dark Surface (F7) ************************************									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Hatsol (A1) Sandy Rodex (S5) 2 cm Muck (A10) Hatsol (A2) Stepped Matrix (S0) Red Parent Material (TF2) Depleted Blow Dark Surface (A11) Depleted Matrix (F2) Other (explain in Remarks) Depleted Blow Dark Surface (A11) Depleted Matrix (F2) Trick Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) "Indicators of hydrophylic vegatalion and wetland hydrology must be present, unless disturbed or problematic. Type:									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Historia (A1) Sandy Rodax (S5) 2 cm Mack (A10) Historia (A2) Stepped Marix (S0) Red Parent Material (TC2) Depleted Balow Dark Surface (A11) Dopleted Marix (C2) Charle (explain in Remarks) Depleted Balow Dark Surface (A12) Redax Dark Surface (F7) ************************************									
Histosel (A1)	Type: C=Conce	entration, D=Depleti	on, RM=Re	educed Matrix, CS=C	Covered or C	oated Sand	d Grains.		
Halic Epipedon (A2) Stripped Matrix (S6) Red Panent Material (TF2) Block Histic (A3) Loamy Mocky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Depleted Boltw Dark Surface (A11) Depleted Matrix (F2) Other (explain in Remarks) Depleted Boltw Dark Surface (A12) Redox Dark Surface (F6) "Indicators of hydrophylic vegetation and wetland hydrology must be present, unless disturbed or problematic." Restrictive Layer (If present): Type: Hydric Soil Present? Yes No X Stardards: Wetland Hydrology Indicators: No X No X Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Secondary Indicators (2 or more required) Surface Water (A1) Water staned Leaves (80) (Except MLRA Water stained Leaves (80) (Except MLRA Water stained Leaves (80) (Dicators (2 or more required) Surface Water (A1) Water stained Leaves (81) DryGesson Water Table (22) Startation (A3) Sslit Crus (81) DryGesson Water Table (22) Startation (A3) Sslit Crus (81) DryGesson Water Table (22) Startation Viable on Aeria Imagery (10) Startation Viable on Aeria Imagery (10) Startation Viable on Aeria Imagery (10) Startation Niable on Aeria Imagery (10) Startation Niable on Aeria Imagery	lydric Soil Ir	ndicators: (Appli	icable to	all LRRs, unless	s otherwise	e noted.)		Indic	ators for Problematic Hydric Soils ³ :
Black Histic (A3) Loamy Mucky Mineral (F1) (except NLRA 1) Very Shallow Dark Surface (TF 12) Hydrogen Sufface (A4) Loamy Mucky Mineral (F1) (except NLRA 1) Other (explain in Remarks) Daplated Balow Dark Surface (A12) Redx Dark Surface (F7) Indicators of hydrophytic vegistation and welland hydrology must be present; use a statuted or problematic. Restrictive Layer (if present): Type: Indicators (F7) Indicators (F7) Depleted Matrix (F3) Redx Dark Surface (F7) No X Restrictive Layer (if present): Type: Indicators (F7) No X Depleted Matrix (F3) Redx Dark Surface (F7) No X Restrictive Layer (if present): Type: Indicators (F7) No X Statistic (X4) Gene context (F8) Water Statine (F7) No X Restrictive Layer (if present): Type: No X X Statistic (X4) Gene context (F8) Water Statine (F8) Water Statine (K10) X Statistic (K11) Gene context (K11) Drainage Patterns (B10) Dry-Season Water Table (C2) Statistic (K11) Drainage Patterns (B10) Dry-Season Water Table (C2) Staturaton Visitee A and 4B) Dr	н	istosol (A1)			Sa	andy Redox	(S5)		2 cm Muck (A10)
Hydrogen Sullide (A4) Learny Gleyed Matrix (F2) Other (explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) "Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic." Sandy Gleyed Matrix (S4) Redox Dark Surface (F6) "Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic." Restrictive Layer (if present): Type: Hydric Soil Present? Yes No X Remarks: Hydric Soil Present? Yes No X Methand Hydrology Indicators: Primary Indicators (A11) Water stained Leaves (B9) (Except MLRA Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Saturation (A3) Sati Crust (B11) Drainage Patterns (B10) Drainage Patterns (B10) Saturation (A3) Sati Crust (B11) Drainage Patterns (B10) Drainage Patterns (B10) Saturation (A3) Sati Crust (B11) Drainage Patterns (B10) Drainage Patterns (B10) Statistic Visible on Acrial Imagery (C12) Hydrogen Sulfde Odor (C1) Saturation Presence of Reduced Iron (C4) Saturation Presence of Reduced Iron (C4) Saturation Present (D3) Gray-Sason Water Table (C2) Geonomphic Postion (D2) Statistic Visible on Acrial Imagery (B7) Other (Explain in Remarks)	н	istic Epipedon (A2)			St	ripped Mat	rix (S6)		Red Parent Material (TF2)
Depleted Below Dark Surface (A12) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Depleted Mydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water Table (A2) High Water Table (A2) Surface Water (A1) Water stained Leaves (B9) Secondary Indicators (2 or more required) Water stained Leaves (B1) Basturation (A3) Saturation (A3) Saturation (A3) Sediment Deposits (B2) Hydroge Sufface And Ritics (B1) Drift Deposits (B3) Oxitized Riticspheres along Living Roots (C3) Generation Visible on Aerial Imagery (B7) Startace K6) Sturted Concave Sufface (B1) Algai Mat or Crust (B4) Presence of Reduced tron (C4) Saturation Visible on Aerial Imagery (B7) Other (Explain in Restricts) Sufface K6) Sturted Site (C1) (LRR A) Ra	В	lack Histic (A3)			Lo	amy Muck	y Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
Thick Dark Surface (A12) Redox Dark Surface (F6) *indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gloged Matrix (S4) Redox Depressions (F8) *indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (IF present): Type:	н	ydrogen Sulfide (A4	1)		Lc	amy Gleye	d Matrix (F2)		Other (explain in Remarks)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) **Indicators of hydrophylic vegetation and velland in hydrology must be present, unless disturbed or problemate. Restrictive Layer (If present): Type:	D	epleted Below Dark	Surface (/	411)	De	epleted Ma	trix (F3)		
	т	hick Dark Surface (A12)		Re	edox Dark S	Surface (F6)		9
Sandy Gleyed Matrix (S4)	S	andy Mucky Minera	l (S1)		De	epleted Da	rk Surface (F7)		
Type:	S	andy Gleyed Matrix	(S4)		Re	edox Depre	essions (F8)		
Depth (inches): Hydric Soil Present? Yes No X Remarks: Remarks: Remarks: Remarks: Remarks: HYDROLOGY Water stained Leaves (B9) (Except MLRA) Secondary Indicators (2 or more required) Mater stained Leaves (B9) (Except MLRA) Water stained Leaves (B9) Surface Water (A1) 1, 2, 4A, and 4B) Water stained Leaves (B9) Water stained Leaves (B9) Hyb Water Table (A2) 1, 2, 4A, and 4B) Water stained Leaves (B1) Drainage Patterns (B10) Saturation (A3) Sait Crust (B11) Drainage Patterns (B10) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Suffice Odor (C1) Saturation Visible on Aerial Imagery (0 Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Agal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquatard (D3) Fac-Neutral Test (D5) Surface Sulf Cracks (B6) Stutied or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Tract Water Present? Yes No X Field Observationers: No X Depth (inches): <	Restrictive L	ayer (if present)	:						
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Sufrace Water (A1) Water stained Leaves (B9) (Except MLRA (MLRA1, 2, 4A, and 4B) Water stained Leaves (B9) High Water Table (A2) 1, 2, 4A, and 4B) Water stained Leaves (B1) Units and 4B) Saturation (A3) Sati Crust (B1) Drainage Patterns (B10) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Suffice Odor (C1) Saturation Visible on Aerial Imagery (IC) Origital Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Surface Soil Cracks (B6) Sturted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Sparsely Vegetated Concave Surface (B8) Field Observations: Prost-Heave Hummocks (D7) Startace Water Present? No X Depth (inches): >12 Water Table Present? Yes No X Depth (inches): >12 Water Table Present? Yes No X Depth (inches): >12	vpe:								
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) 1, 2, 4A, and 4B) Water stained Leaves (B9) (Except MLRA Water stained Leaves (B9) High Water Table (A2) 1, 2, 4A, and 4B) (MLRA1, 2, 4A, and 4B) Water stained Leaves (B1) Drainage Patterns (B10) Saturation (A3) Salt Crust (B1) Drainage Patterns (B10) Dry-Season Water Table (C2) Sodiment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation (Nishle on Arial Imagery (0) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Solis (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Sparsely Vegetated Concave Surface (B8) Pepth (inches): >12 Yes No X Water Table Present? Yes No X Depth (inches): >12 Yes No X Saturation Present?									
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) High Water stained Leaves (89) (Except MLRA Water stained Leaves (89) High Water Table (A2) 1, 2, 4A, and 4B) Water stained Leaves (80) Saturation (A3) Sait Crust (B1) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Satimation Visible on Aerial Imagery (10) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Sparsety Vegetated Concave Surface (B8) Opepth (inches): >12 Wetland Hydrology Present? Yes No X Depth (inches): >12 Yes No X Saturation Present? Yes No X Depth (inches): Yes No X Saturation Present? Yes No X	• •	:						Hydric Soil Pres	sent? Yes <u>No X</u>
Surface Water (A1) Water stained Leaves (B9) (Except MLRA Water stained Leaves (B9) High Water Table (A2) 1, 2, 4A, and 4B) (MLRA1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (0 Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reductor in Plowed Soils (C6) Fac-Neutral Test (D5) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Water Present? Strutted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Surface Water Present? Yes No X Depth (inches): >12 Water Table Present? Yes No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Saturationsprecored and test (stream gauge, monitoring well	Depth (inches)	:						Hydric Soil Pre	sent? Yes <u>No X</u>
High Water Table (A2) 1, 2, 4A, and 4B) (MLRA1, 2, 4A, and 4B) Saturation (A3) Satt Crust (B11) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (B Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): >12 Field Observations: No X Depth (inches): >12 Saturation Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Yes No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	Depth (inches) Remarks: IYDROLOC Vetland Hyd	GY rology Indicator						Hydric Soil Pre	
Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (I Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): >12 Field Observations: No X Depth (inches): >12 Saturation Present? Yes No X Depth (inches): >12 Yes No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: <td< td=""><td>Depth (inches) Remarks: HYDROLOC Vetland Hyd Primary Indica</td><td>GY rology Indicator ators (minimum c</td><td></td><td>uired; check all th</td><td></td><td></td><td></td><td></td><td>Secondary Indicators (2 or more required)</td></td<>	Depth (inches) Remarks: HYDROLOC Vetland Hyd Primary Indica	GY rology Indicator ators (minimum c		uired; check all th					Secondary Indicators (2 or more required)
Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): >12 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >12 Water Table Present? Yes No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Describe available: Staurations) Stauration Present?	Depth (inches) Remarks: HYDROLOC Vetland Hyd Primary Indica S	GY rology Indicator ators (minimum c aurface Water (A1)	of one req	uired; check all th	W				Secondary Indicators (2 or more required) Water stained Leaves (B9)
Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (f Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): >12 Water Table Present? Yes No X Depth (inches): >12 Yes No X Saturation Present? Yes No X Depth (inches): >12 Saturation Present? Yes No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Saturations) Saturations)	Depth (inches) Remarks: IYDROLOC Vetland Hyd Primary Indica S H	GY rology Indicator ators (minimum c urface Water (A1) ligh Water Table (A2	of one req	uired; check all th	W 1,	2, 4A, and	4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): >12 Field Observations: No X Depth (inches): Surface Water Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Yes No X Depth (inches): >12 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Yes No X	Pepth (inches) Remarks: IYDROLOC Vetland Hyd Primary Indica S H S	GY rology Indicator ators (minimum c urface Water (A1) ligh Water Table (A2 iaturation (A3)	of one req	uired; check all th	W 1, Sa	2, 4A, and alt Crust (B	4B) 11)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): >12 Field Observations: No X Depth (inches): >12 Water Table Present? Yes No X Depth (inches): >12 Saturation Present? Yes No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Previous inspections), if available:	Pepth (inches) Remarks: AYDROLOC Vetland Hyd Primary Indica S H S N	GY rology Indicator ators (minimum c surface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1)	of one req 2)	uired; check all th	W 1, Sa Ac	2, 4A, and alt Crust (B quatic Inver	4B) 11) tebrates (B13)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) TeleId Observations: Stunted or Stressed Plants (D1) (LRR A) Frost-Heave Hummocks (D7) Field Observations: No X Depth (inches): >12 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >12 Yes No X Saturation Present? Yes No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Stual Advisory of the stream gauge in the stream gaug	Primary Indica Primary Indica S S S S S S S S S S S S S S S S S S S	GY rology Indicator ators (minimum c aurface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) ediment Deposits (B	of one req 2)	uired; check all th	W 1, Sa Ac	2, 4A, and alt Crust (B quatic Inver ydrogen Su	4B) 11) tebrates (B13) lfide Odor (C1)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Saturation Present? Yes No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Statistical Stream gauge, monitoring well, aerial photos, previous inspections), if available:	Pepth (inches) Remarks: HYDROLOC Vetland Hyd Primary Indica S H S S S D C S C C C C C C C C C C C C C C	GY rology Indicator ators (minimum c aurface Water (A1) ligh Water Table (A2 iaturation (A3) Vater Marks (B1) rediment Deposits (B3)	of one req 2) B2)	uired; check all th	W Sa Ac Hy O>	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2)
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >12 Yes No X Saturation Present? Yes No X Depth (inches): >12 Yes No X Includes capillary fringe) No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available:	A Comparison of the second sec	GY rology Indicator ators (minimum c urface Water (A1) ligh Water Table (A2 laturation (A3) Vater Marks (B1) lediment Deposits (B urift Deposits (B3) lgal Mat or Crust (B	of one req 2) B2)	uired; check all th	₩ 1, Sε Ac Hy Oy Pr	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron ((Except MLRA g Living Roots (C3) C4)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3)
Field Observations: Surface Water Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Saturation Present? Yes No X Depth (inches): >12 Yes No X Includes capillary fringe) No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Statianal photos, previous inspections), if available:	A Comparison of the second sec	GY rology Indicator ators (minimum of surface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) sediment Deposits (B rrift Deposits (B3) lgal Mat or Crust (B on Deposits (B5)	of one req 2) B2) 4)	uired; check all th	W 1, Sa Ac Hy O) Pr Re	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of l ecent Iron F	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron ((Reduction in Pla	(Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
Surface Water Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Saturation Present? Yes No X Depth (inches): >12 Yes No X (includes capillary fringe) Ves No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: If available: If available:	Primary Indica Primary Indica S S S S S S S S S S S S S S S S S S S	GY rology Indicator ators (minimum c aurface Water (A1) ligh Water Table (A2 aturation (A3) Water Marks (B1) water Marks (B1) water Marks (B1) water Marks (B1) water Marks (B1) adjust or Crust (B on Deposits (B5) aurface Soil Cracks (of one req 2) B2) 4) (B6)		W 1, Sz Ac Hy O O Pr Re St	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or St	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (0 Reduction in Plo tressed Plants ((Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Water Table Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Saturation Present? Yes No X Depth (inches): >12 Yes No X (includes capillary fringe) No X Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: If available:	A Comparison of the second sec	GY rology Indicator ators (minimum of auface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) addiment Deposits (B3) ligal Mat or Crust (B on Deposits (B5) auface Soil Cracks (nundation Visible on	of one req 2) B2) 4) (B6) Aerial Ima	ngery (B7)	W 1, Sz Ac Hy O O Pr Re St	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or St	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (0 Reduction in Plo tressed Plants ((Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Saturation Present? Yes No X Depth (inches): >12 Yes No X (includes capillary fringe) Depth (inches): >12 Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Saturation Saturation Saturation	A Comparison of the second sec	GY rology Indicator ators (minimum of ourface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) vater Marks (B1)	of one req 2) B2) 4) (B6) Aerial Ima	ngery (B7)	W 1, Sz Ac Hy O O Pr Re St	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or St	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (0 Reduction in Plo tressed Plants ((Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	A Comparison of the second sec	GY rology Indicator ators (minimum of urface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) dediment Deposits (B3) ligal Mat or Crust (B on Deposits (B5) urface Soil Cracks (nundation Visible on parsely Vegetated (rations:	of one req 2) B2) 4) (B6) Aerial Ima	igery (B7) urface (B8)	W 1, Se Ac Hy O Pr Re St Ot	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron F unted or St ther (Explai	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (0 Reduction in Plo tressed Plants ((Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
	Pepth (inches) Permarks:	GY rology Indicator ators (minimum of surface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) rediment Deposits (B3) ligal Mat or Crust (B- on Deposits (B5) surface Soil Cracks (nundation Visible on parsely Vegetated (C- rations: Present? Yes	of one req 2) B2) 4) (B6) Aerial Ima	ngery (B7) urface (B8) No <u>X</u>	W 1, Sa Ac Hy O3 Pr Re St Ot Depth (in	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of I ecent Iron F unted or SI ther (Explai	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alon Reduced Iron (i Reduction in Plo tressed Plants (in in Remarks)	(Except MLRA g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
emarks:	A Comparison of the second sec	GY rology Indicator ators (minimum of auface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) Vater Marks (B2) Vater Marks (B2) Vate	of one req 2) B2) 4) (B6) Aerial Ima	igery (B7) urface (B8) No <u>X</u> No <u>X</u>	W 1, Sz Ac Hy O: Pr Re St Ot Depth (in Depth (in	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of I ecent Iron F unted or St ther (Explai	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (I Reduction in Plo tressed Plants (in in Remarks) >12	(Except MLRA g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Irology Present?
emarks:	A Comparison of the second sec	GY rology Indicator ators (minimum c urface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) rediment Deposits (B3) Igal Mat or Crust (B- on Deposits (B5) urface Soil Cracks (nundation Visible on parsely Vegetated C rations: Present? Yes esent? Yes ent? Yes fringe)	of one req 2) B2) 4) (B6) Aerial Ima Concave St	ngery (B7) urface (B8) No <u>X</u> No <u>X</u>	W 1, Sa Ac Hy OD Pr Re St Ot Depth (in Depth (in Depth (in	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of l ecent Iron F unted or St ther (Explai	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron (f Reduction in Plo tressed Plants (in in Remarks) >12 >12 >12	(Except MLRA g Living Roots (C3) C4) bwed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Irology Present?
	A Comparison of the second sec	GY rology Indicator ators (minimum c urface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) rediment Deposits (B3) Igal Mat or Crust (B- on Deposits (B5) urface Soil Cracks (nundation Visible on parsely Vegetated C rations: Present? Yes esent? Yes ent? Yes fringe)	of one req 2) B2) 4) (B6) Aerial Ima Concave St	ngery (B7) urface (B8) No <u>X</u> No <u>X</u>	W 1, Sa Ac Hy OD Pr Re St Ot Depth (in Depth (in Depth (in	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of l ecent Iron F unted or St ther (Explai	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron (f Reduction in Plo tressed Plants (in in Remarks) >12 >12 >12	(Except MLRA g Living Roots (C3) C4) bwed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Irology Present?
	A Comparison of the second sec	GY rology Indicator ators (minimum c urface Water (A1) ligh Water Table (A2 aturation (A3) Vater Marks (B1) rediment Deposits (B3) Igal Mat or Crust (B- on Deposits (B5) urface Soil Cracks (nundation Visible on parsely Vegetated C rations: Present? Yes esent? Yes ent? Yes fringe)	of one req 2) B2) 4) (B6) Aerial Ima Concave St	ngery (B7) urface (B8) No <u>X</u> No <u>X</u>	W 1, Sa Ac Hy OD Pr Re St Ot Depth (in Depth (in Depth (in	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of l ecent Iron F unted or St ther (Explai	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron (f Reduction in Plo tressed Plants (in in Remarks) >12 >12 >12	(Except MLRA g Living Roots (C3) C4) bwed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Irology Present?

,	WETLAND	DETFI	RMINAT		RM - Weste	ern Mountains, Va	llevs. and	Coast	PHS #	6904
Project/Site:		ve Proper		City/County:		tin/Washington	Samplir		-	/2021
Applicant/Owner:	Phelan De	-	-			State:	•	-	ampling Point:	13
nvestigator(s):		TF//MS		Section, To	wnship, Range:	Sectio	on 22, Town	ship 2S, I	Range 1W	
andform (hillslope,		-	noi			ncave, convex, none):	no	-	Slope (%):	1
Subregion (LRR):	· · · ·		4	Lat:	,					WSG85
Soil Map Unit Name	e:		Verbo	ort silty clay loam			assification:			
Are climatic/hydrolo		on the site t			Yes		_		in Remarks)	
Are vegetation	•			significantly dist	urbed?	Are "Normal Circumstar	`		,	
Are vegetation	Soil	_	/drology			l, explain any answers in R				
SUMMARY OF	FINDINGS	– Attac	ch site m	ap showing sar	npling point	locations, transect	s, importa	nt featur	es, etc.	
ydrophytic Vegeta	tion Present?	Yes	х	No						
lydric Soil Present?	?	Yes		No X	Is Sampled A a Wetla			No	x	
Vetland Hydrology	Present?	Yes		No						
Remarks:										
Sample point ta	ken in the lo	west spo	ot.							
(50574710)										
EGETATION	- Use scien	itific nar	mes of pl absolute		Indicator	Dominance Test wo	rkeboot			
			% cove		Status	Dominance Test WO	i kaneet:			
ree Stratum (plo	ot size:)				Number of Dominant Sp	ecies			
1						That are OBL, FACW, or	FAC:		1	(A)
2										
3						Total Number of Domina	nt			
4						Species Across All Strata	a:		1	(B)
			0	= Total Cover						
apling/Shrub Strat	<u>um</u> (plot size	e:)			Percent of Dominant Spe	ecies			
1						That are OBL, FACW, o	r FAC:	10	0%	(A/B)
2										
3						Prevalence Index W	orksheet:			
4						Total % Cover of	<u>N</u>	lultiply by:	-	
5						OBL Species		x 1 =	0	
			0	= Total Cover		FACW species FAC Species		x 2 = x 3 =	0	
erb Stratum (plo	ot size:	10)				FACU Species		x 4 =	0	
1 Unidentified		′	70	x	(FAC)	UPL Species		x 5 =	0	
2 Jacobaea vu	-		10		FACU	Column Totals	0 (4	A)	0	(B)
3 Cynosurus c	cristatus		10		FACU					
4 Madia glome	erata		5		FACU	Prevalence Index =	=B/A =	#DI	V/0!	
5 Jacobaea vu	ılgaris		2		FACU					
6 Brassica nig	ira		2		UPL	Hydrophytic Vegeta	tion Indicat	ors:		
7 Plantago lan			1		FACU		•		hytic Vegetatio	n
B Cichorium in	ntybus		1		FACU	<u> </u>	2- Dominance			
			101	= Total Cover		<u> </u>	3-Prevalence		3.0 ⁺ ons ¹ (provide s	upporting
Voody Vine Stratur	n (plot size:)				-		separate sheet	
1							5- Wetland N		-	,
2							-		Vegetation ¹ (E:	xplain)
			0	= Total Cover		¹ Indicators of hydric soil a	-			
						disturbed or problematic.	-			
% Bare Ground in ⊦	lash Church					Hydrophytic Vegetation	Yes	х	No	

SOIL			PHS #	69	04	_		Sampling Point: 13
	ption: (Describe to	the depth	needed to docume			onfirm the absen	ce of indicators.)	
Depth	Matrix	0/			Features	Loc ²	Tautura	Demorter
(Inches)	Color (moist)	<u>%</u>	Color (moist) 7.5YR 3/4	<u>%</u>	Type'		Texture	Remarks
0-3	7.5YR 3/2	95	7.51R 3/4	5	C	PL	silt loam	OR's
3-7	7.5YR 2.5/2	100					silt loam	
7-12+	7.5YR 2.5/3	100					silt loam	
	centration, D=Depleti							² Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appl	icable to	all LRRs, unles	s otherwi	ise noted	1.)	Indic	ators for Problematic Hydric Soils ³ :
	Histosol (A1)				Sandy Rec	dox (S5)		2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped M	latrix (S6)		Red Parent Material (TF2)
	Black Histic (A3)				Loamy Mu	cky Mineral (F1) (e	except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4	4)			Loamy Gle	eyed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A11)		Depleted N	/latrix (F3)		
	Thick Dark Surface (A12)			Redox Dar	k Surface (F6)		a
	Sandy Mucky Minera	l (S1)			Depleted D	Dark Surface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix	(S4)			Redox Dep	pressions (F8)		problematic.
Restrictive	Layer (if present)	:						
Туре:								
Depth (inches	s):						Hydric Soil Pres	sent? Yes No X
Remarks:					_			
HYDROLO Wetland Hy	IGY drology Indicator	's:						
Primary Indi	cators (minimum c	of one req	uired; check all t	hat apply)				Secondary Indicators (2 or more required)
	Surface Water (A1)				Water stai	ned Leaves (B9) (I	Except MLRA	Water stained Leaves (B9)
	High Water Table (A	2)			1, 2, 4A, a	nd 4B)		(MLRA1, 2, 4A, and 4B)
	Saturation (A3)				Salt Crust	(B11)		Drainage Patterns (B10)
	Water Marks (B1)				Aquatic Inv	vertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B	32)			Hydrogen	Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9
	Drift Deposits (B3)			X	Oxidized R	Rhizospheres along	g Living Roots (C3)	Geomorphic Position (D2)
	Algal Mat or Crust (B	4)			Presence	of Reduced Iron (C	24)	Shallow Aquitard (D3)
	Iron Deposits (B5)					n Reduction in Plo		Fac-Neutral Test (D5)
	Surface Soil Cracks ((B6)			Stunted or	Stressed Plants (I	D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on				Other (Exp	olain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated (Concave S	urface (B8)					
Field Obser	vations:							
Surface Water	Present? Yes		No X	Depth	(inches):			
Water Table P	resent? Yes		No X	Depth	(inches):	>12	Wetland Hyd	Irology Present?
Saturation Pre (includes capillat			No X	Depth	(inches):	>12		Yes <u>X</u> No
	orded Data (stream ga	auge, mon	toring well, aerial pl	notos, previ	ous inspec	tions), if available:	 	
Remarks:								

,	WETLAND DETF	RMINATION		RM - Weste	ern Mountains, Val	levs, and Coas	PHS # st Region	6904	
Project/Site:	Walgrave Prope		City/County:		tin/Washington	Sampling Date:	-	5/2021	
Applicant/Owner:	Phelan Developme				State:		Sampling Point:	14	
Investigator(s):	TF//MS		Section, To	wnship, Range:	Sectio	n 22, Township 2	S, Range 1W		
Landform (hillslope,	terrace, etc.:)	Flat	-		ncave, convex, none):	none	Slope (%):	1-2	
Subregion (LRR):	LRR	A	Lat:		Long:		Datum:	WSG85	
Soil Map Unit Name	e:	Verboort s	- silty clay loam		NWI Cla	ssification:	None		
Are climatic/hydrolo	gic conditions on the site	typical for this tim	e of year?	Yes	X No	(if no, exp	ain in Remarks)		
Are vegetation	Soil or H	ydrology	significantly dist	urbed?	Are "Normal Circumstand	ces" present? (Y/N)	Y		
Are vegetation	Soil or H	ydrology	naturally problem	matic? If needed	, explain any answers in Re	marks.)			
			- 						
			showing san	npling point	locations, transects	s, important feat	ures, etc.		
Hydrophytic Vegeta	-	X No		Is Sampled Ar	rea within				
Hydric Soil Present	-	X No		a Wetlar		X	No		
Wetland Hydrology	Present? Yes	X No							
Remarks:	a io granad								
The sample area	a is grazeu.								
	- Use scientific na	mes of nlant	.e						
		absolute	Dominant	Indicator	Dominance Test wor	ksheet:			
		% cover	Species?	Status					
<u>Free Stratum</u> (plo)			Number of Dominant Spe		_		
1 Fraxinus lati	folia	15	<u> </u>	FACW	That are OBL, FACW, or	FAC:	2	(A)	
2					Total Number of Dominan				
3					Total Number of Dominar Species Across All Strata		4	(B)	
-		15	= Total Cover		opecies Acioss Ali Oliala	·		(D)	
Sapling/Shrub Strat	um (plataiza) 30	<u> </u>			Demonst of Deminent Cas				
1 Rosa rubigin	u		x	UPL	Percent of Dominant Spectra That are OBL, FACW, or		50%	(A/B)	
2			<u> </u>				0070	(//////	
3					Prevalence Index Wo	orksheet:			
4					Total % Cover of	Multiply by	<i>I</i> :		
5					OBL Species	x 1 =	0		
		5	= Total Cover		FACW species	15 x 2 =	30		
lerb Stratum (plo	ot size: 10)			FAC Species	66 x 3 = 50 x 4 =	<u>198</u> 200		
1 Poa sp		, 60	x	(FAC)	FACU Species	50 x 4 = x 5 =	200		
2 Cynosurus o	cristatus	40	<u> </u>	FACU	Column Totals	136 (A)		(B)	
3 Jacobaea vu		10		FACU	·	、/			
	s arundinaceus	5		FAC	Prevalence Index =	B/A =	3.33		
5 Cirsium arve	ense	1		FAC					
6					Hydrophytic Vegetat	ion Indicators:			
7						1- Rapid Test for Hyd		ı	
8						2- Dominance Test is			
		116	= Total Cover			3-Prevalence Index is 4-Morphological Adap		upportina	
Voody Vine Stratur	<u>m</u> (plot size:)				data in Remarks or or			
1						5- Wetland Non-Vasc	•		
2					X	Problematic Hydrophy	tic Vegetation ¹ (Ex	(plain)	
		0	= Total Cover		¹ Indicators of hydric soil a	nd wetland hydrology	must be present, ι	inless	
					disturbed or problematic. Hydrophytic				
% Bare Ground in F	lerb Stratum				Vegetation	Yes X	No		
					Present?				

Identification of grasses to species is complicated by the extent of grazing.

SOIL			PHS #	6	904			Sampling Point: 14
	ption: (Describe to	the depth	needed to docume			nfirm the absen	ce of indicators.)	
Depth (In the set)	Matrix	0/			ox Features Type ¹	Loc ²	T 4	Demorte
(Inches)	Color (moist)	%	Color (moist)	%			Texture	Remarks
0-7	10YR 4/2	85	7.5YR 5/8	15	<u> </u>	PL	Sandy Loam	Fine
7-9	7.5YR 3/2	95	7.5YR 5/8	5			Silt Loam	fine
9-14+	7.5YR 3/2	75	7.5YR 5/8	25	<u> </u>	PL	Silt Loam	fine
					. . 			
17 0.0								2
	centration, D=Depleti						Indic	² Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
	Histosol (A1)			X			indio	2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped Ma	. ,		Red Parent Material (TF2)
	Black Histic (A3)				-	ky Mineral (F1) (e	except MI RA 1)	Very Shallow Dark Surface (TF12)
		4)			-			
	Hydrogen Sulfide (A	-				ed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark		A11)	<u> </u>	Depleted M	. ,		
	Thick Dark Surface (-			-	Surface (F6)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Minera					ark Surface (F7)		hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix				Redox Depi	essions (F8)		problematic.
	Layer (if present)	:						
Туре:					_			
Depth (inches	s):				_		Hydric Soil Pres	sent? Yes X No
HYDROLC								
-	drology Indicato							
	cators (minimum o	of one rec	quired; check all t	hat apply				Secondary Indicators (2 or more required)
	Surface Water (A1) High Water Table (A	2)			Water stain 1, 2, 4A, an	ed Leaves (B9) (d 4B)	Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
	Saturation (A3)				Salt Crust (I	B11)		Drainage Patterns (B10)
	Water Marks (B1)				Aquatic Inve	ertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B2)			- Hydrogen S	ulfide Odor (C1)		Saturation Visible on Aerial Imagery (C
	Drift Deposits (B3)			х	Oxidized Rh	izospheres along	g Living Roots (C3)	Geomorphic Position (D2)
	Algal Mat or Crust (B	4)			Presence of	Reduced Iron (C	C4)	Shallow Aquitard (D3)
	Iron Deposits (B5)				- Recent Iron	Reduction in Plo	wed Soils (C6)	Fac-Neutral Test (D5)
	Surface Soil Cracks	(B6)			Stunted or S	Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
	Inundation Visible or	Aerial Ima	agery (B7)		Other (Expla	ain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated	Concave S	urface (B8)		-			
Field Obser	vations:							
Surface Water	Present? Yes		No <u>X</u>	Depth	(inches):	>14		
Water Table F	resent? Yes		No X	Depth	(inches):	>14	Wetland Hyd	Irology Present?
Saturation Pre (includes capilla			No X	Depth	i (inches):	>14		YesX No
Describe Reco	orded Data (stream g	auge, mon	itoring well, aerial p	hotos, prev	vious inspecti	ons), if available	I	
Remarks:								

WETLAND	DETERMINATIO	N DATA FOI	RM - Weste	rn Mountains, Val	leys, and Coa	PHS # ast Region	6904
	e Property	City/County:		tin/Washington	Sampling Date	-	/2021
	velopment			State:	OR	Sampling Point:	15
vestigator(s):	TF//MS	Section, To	wnship, Range:	Sectio	n 22, Township	2S, Range 1W	
indform (hillslope, terrace, etc.:)	none	_		ncave, convex, none):	none	Slope (%):	1-Jan
ubregion (LRR):	LRR A	Lat:		Long:		Datum:	WSG85
bil Map Unit Name:	Verboort	silty clay loam			ssification:		
re climatic/hydrologic conditions o			Yes			plain in Remarks)	
re vegetation Soil			urbed?	Are "Normal Circumstand	·		
re vegetation Soil	or Hydrology			, explain any answers in Re			
UMMARY OF FINDINGS	 Attach site map 	showing san	npling point	locations, transects	s, important fea	atures, etc.	
ydrophytic Vegetation Present?	Yes X No		Is Sampled Ar	ea within			
ydric Soil Present?	Yes X No		a Wetlar	nd? Yes		No X	
etland Hydrology Present?	Yes No	X					
emarks:							
EGETATION - Use scien	tific names of plan	te					
EGETATION - USE SCIEN	absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
	% cover	Species?	Status				
ee Stratum (plot size:	30)			Number of Dominant Spe	cies		
Quercus garryana	80	X	FACU	That are OBL, FACW, or	FAC:	3	(A)
				Total Number of Dominar	nt		
				Species Across All Strata	:	4	(B)
	80	= Total Cover					
apling/Shrub Stratum (plot size	e: 30)			Percent of Dominant Spe	cies		
Rubus armeniacus	40	X	FAC	That are OBL, FACW, or	FAC:	75%	(A/B)
Crataegus monogyna	30	Χ	FAC				
Rosa pisocarpa	10		FAC	Prevalence Index Wo			
		<u> </u>		Total % Cover of	Multiply	<u> </u>	
	80	= Total Cover		OBL Species FACW species	x 1 = x 2 =		
				FAC Species	x 2 ·		
erb Stratum (plot size:	10)			FACU Species	x 4 :		
Unidentified grass	10	X	(FAC)	UPL Species	x 5	= 0	
				Column Totals	0 (A)	0	(B)
} 							
				Prevalence Index =	B/A =	#DIV/0!	
				Hydrophytic Vegetat		1 1 10 14 1 1 10	
·					 Rapid Test for Hy Dominance Test i 		ר
		= Total Cover			2- Dominance Test i 3-Prevalence Index		
					4-Morphological Ada		upporting
oody Vine Stratum (plot size:)				data in Remarks or o		
					5- Wetland Non-Vas	cular Plants ¹	
					Problematic Hydropl	hytic Vegetation ¹ (E	xplain)
	0	= Total Cover		¹ Indicators of hydric soil a	nd wetland hydrolog	y must be present, u	unless
				disturbed or problematic. Hydrophytic			
				լույսլօրոյու			
Bare Ground in Herb Stratum	90			Vegetation	Yes X	No	

SOIL			PHS #	690)4	-		Sampling Po	oint:	15
	ption: (Describe to	the depth	needed to docume			nfirm the absen	ce of indicators.)			
Depth (Inches)	Matrix	%	Color (moist)	Redox %	Features Type ¹	Loc ²	Texture	R	emarks	
(Inches) 0-3	Color (moist) 10YR 2/2	<u></u> 100		70	турс		Sandy Loam		marks	
3-12	101R 2/2 10YR 2/1	90	10YR 3/4	10	с	м		Medium		
J-12	1018 211	90	101K 3/4	10	<u> </u>		Sandy Loam	Medium		
				·						
				·		·				
						·				
						. <u> </u>				
				,						
	centration, D=Deplet						India	² Location: PL=Pore Lini	-	- 3
-	Indicators: (Appl	licable to	all LKKS, unles				Indic	ators for Problematio	-	IS":
	Histosol (A1) Histic Eninedon (A2)	\			Sandy Redo Stripped Ma			2 cm Mucl	к (А10) nt Material (TF2	n\
	Histic Epipedon (A2) Black Histic (A3))				atrix (So) ky Mineral (F1) (e	ovcont MI RA 1)		low Dark Surfa	•
	Black Histic (A3) Hydrogen Sulfide (A4	4)			-	/ed Matrix (F2)	XCept MERA 1/		ow Dark Surra	
	Depleted Below Darl		A11)		Depleted Ma					.5)
	Thick Dark Surface (ALIJ		•	surface (F6)				
	Sandy Mucky Minera	. ,				ark Surface (F7)		³ Indicators of hydrophyti		
	Sandy Gleyed Matrix					ressions (F8)		hydrology must be pres proble	sent, unless dis ematic.	turbed or
	Layer (if present)					· .	<u> </u>	-		
Type:		,								
Depth (inches	s):				i -		Hydric Soil Pres	sent? Yes X	No	
Remarks:										
-	drology Indicato									
	cators (minimum o	of one rec	juired; check all t			(50) (Secondary Indicator		
	Surface Water (A1) High Water Table (A	12)			Vater staine I , 2, 4A, an e	ed Leaves (B9) (I d 4B)	Except MLRA		ined Leaves (B 2, 4A, and 4B)	
	Saturation (A3)	~)		S	Salt Crust (E	B11)			Patterns (B10)	-
	Water Marks (B1)					ertebrates (B13)			on Water Table	
	Sediment Deposits ((B2)			-	Sulfide Odor (C1)				rial Imagery (C9
	Drift Deposits (B3)			C	Dxidized Rh	nizospheres alon	g Living Roots (C3)	Geomorph	nic Position (D2	2)
	Algal Mat or Crust (E	34)		P	resence of	f Reduced Iron (C	24)	Shallow A	quitard (D3)	
	Iron Deposits (B5)					Reduction in Plo			al Test (D5)	
	Surface Soil Cracks					Stressed Plants (D1) (LRR A)		nt Mounds (D6)	
	Inundation Visible or Sparsely Vegetated			0)ther (Expla	ain in Remarks)		Frost-Hea	ve Hummocks	(D7)
	· · · ·									
Field Obser			No X	Depth (i	inches):					
Water Table P			No X	Depth (i		>12	Wetland Hvd	rology Present?		
Saturation Pres			No X	Depth (i		>12		Yes	No	x
(includes capillar								_		
Describe Reco	orded Data (stream g	¦auge, mon	itoring well, aerial ph	iotos, previo	us inspecti	ions), if available	:			
Remarks:										
Remarks.										

6904	PHS # _ st Region	nd Coast I	eys, an	ains, Vall	ern Moun	RM - Weste	N DATA FO	NATION	DETERM	WETLAND	١
j/2021	ing Date: 9/15/2		Sampli	yton	tin/Washing	Tuala	City/County:		Property	Walgrave	roject/Site:
16	Sampling Point:	Sa	OR	State:					elopment	Phelan Dev	pplicant/Owner:
	S, Range 1W	- wnship 2S, F	n 22, Tow	Sectior		wnship, Range:	Section, To		F/MS		vestigator(s):
2	Slope (%):	ione	no	, none):	ncave, conve	Local relief (co	_	Slope		terrace, etc.:)	andform (hillslope,
WSG85	Datum:			Long:			Lat:		LRR A		ubregion (LRR):
	None		ssification:				ve clay	Cov		:	oil Map Unit Name
	lain in Remarks)	(if no, explain	-	No	Х	Yes	e of year?	l for this tim	the site typica	gic conditions or	re climatic/hydrolog
	Y	nt? (Y/N)	es" present	al Circumstance	Are "Norm;	urbed?	significantly dist	ду	or Hydrold	Soil	re vegetation
			marks.)	answers in Rer	l, explain any	matic? If needed	- naturally proble	gy	or Hydrold	Soil	re vegetation
							-				
	ures, etc.	tant feature	, importa	transects	locations	npling point	showing sar	ite map s	 Attach s 	FINDINGS	UMMARY OF
					rea within	Is Sampled A		K No	Yes)	tion Present?	/drophytic Vegetat
	No	No	Х	Yes		a Wetla		K No	Yes)	2	ydric Soil Present?
								K No	Yes)	Present?	etland Hydrology I
											emarks:
								- 6 - 1 4	c		
			kshoot:	ce Test work	Dominan	Indicator	s. Dominant	of plant		- Use scient	EGETATION
			Sileel:	JE TESLWORK	Dominan	Status	Species?	o cover			
			cies	Dominant Spec	Number of)	ot size:	ee Stratum (plo
(A)	5(AC:	BL, FACW, or F	That are OF						
			t	er of Dominant	Total Numb						
(B)	5 (-	oss All Strata:	Species Ac						
							= Total Cover	0			
			ies	Dominant Speci	Percent of [30)	um (plot size:	pling/Shrub Stratu
(A/B)	100%	100	FAC:	BL, FACW, or I	That are OF	(FAC)	X	20			Rosa sp
						FAC	X	15		onogyna	Crataegus m
			rksheet:	e Index Wo	Prevalence	FAC	X	10		niacus	Rubus armer
		Multiply by:	-		Total % Cov		·				
	0	x 1 =		Species -							
	0	x 2 = x 3 =		species			= Total Cover	45			
	0	- x 4 =		Species					5)	ot size:	erb Stratum (plo
	0	- x 5 =		Species -		(FAC)	х	60	^		Unidentified
(B)		(A)	0	n Totals		(FAC)	X	20		-	Poa sp
				_		FACU		15		ristatus	Cynosurus c
	#DIV/0!	#DI	3/A =	lence Index =B	Preva	FACU		5			Leontodon s
		ators:	on Indica	tic Vegetatio	Hydrophy						
n	rophytic Vegetation		-		_						
		nce Test is >50			_						
upporting	≤ 3.0 ¹ tations ¹ (provide si	ice Index is ≤ 3			-		= Total Cover	100			
	a separate sheet)				-)	n (plot size:	oody Vine Stratum
1		l Non-Vascular							/	<u></u> (p.o. 0120.	
					-						
xplain)	tic Vegetation ¹ (Ex				1						
	rtic Vegetation ¹ (Ex must be present, u	hydrology mus	nd wetland ł	of hydric soil an	¹ Indicators of		= Total Cover	0			
		hydrology mus	nd wetland I	problematic.	disturbed or		= Total Cover	0			
			nd wetland I Yes	problematic. tic			= Total Cover	0	0	lash Ofers'	Bare Ground in H

Profile Decention: Describe to the depth feeded in Subject Feaders Tomas Tomas Nomesia Output 500 friends 500 friends <t< th=""><th>SOIL</th><th></th><th></th><th>PHS #</th><th>69</th><th>04</th><th>-</th><th></th><th>Sampling Point: 16</th></t<>	SOIL			PHS #	69	04	-		Sampling Point: 16
Indices Coder (model) % Coder Coder Texture Remarks 0-4 10YR 2/2 90 6YR 3/4 5 C M Sandy Loam Fine 4-12 10YR 2/2 95 6YR 3/4 5 C M Sandy Loam Fine 4-12 10YR 2/2 95 6YR 3/4 5 C M Sandy Loam Fine 4-12 10YR 2/2 95 6YR 3/4 5 C M Sandy Loam Fine 4-12 10YR 2/2 95 6YR 3/4 5 C M Sandy Loam Fine 4-12 10YR 2/2 95 6YR 3/4 5 C M Sandy Loam Fine			the depth	needed to documer			onfirm the absen	ce of indicators.)	
0-4 1978 2/2 00 SYR 3/4 5 C M Sandy Loam Fine 4-12 1978 2/2 95 SYR 3/4 5 C M Sandy Loam Fine 4-12 1978 2/2 95 SYR 3/4 5 C M Sandy Loam Fine			%	Color (moist)			Loc ²	Texture	Remarks
0.4 4.12 10VR 2/2 95 5/R 3/4 5 C M Sandy Loam Fine 4.12 10VR 2/2 95 5/R 3/4 5 C M Sandy Loam Fine 4.12 10VR 2/2 95 5/R 3/4 5 C M Sandy Loam Fine 7/ger: C=Concentration. Debgetoin: RM=Reduced Matrix, CB=Convert or Canted Sand Frains. Locator: FI = Pare Lining, M=Matrix, MIA Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solis ¹ : Metaori (A1) Sandy Roba: (S5) 2 on Matrix (N10) Red Parent Matrix (T7) Very Shaltone Dark Sufface (T11) Depleted Below Dark Sufface (A11) Depleted Matrix (F3) Other (equin in Remarks) Depleted Matrix (F3) Other (equin in Remarks) Sandy Carged Matrix (G3) Redso: Dark Sufface (F0) Thick Soli Present? Yes X No									
4.42 10YR 2/2 95 5YR 3/4 5 C M Sandy Leam Fine ** Fine ** ** Sandy Leam ** ** Sandy Leam ** ** Type: C=Consecration, D=Depiston, RM-Reduced Matrix, CS=Covered or Coated Sand Grains. ** ** ** ** Sandy Markaton, MM-Matrix, M-Matrix, M-Matr		1011(2/2						Sandy Loan	
**Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS:-Covered or Coated Sand Grains. **Location: PL-Pore Lining, M-Matrix, **Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS: indicators: (Applicable to all LRRs, unless otherwise noted.) indicators for Problematic Hydric Solis*: +Hedrock (A1)		10VP 2/2	95					Sandy Loam	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histoel (A1) Sandy Rodax (S5) 2 cm Mack (A10) Histoel (A1) Sandy Rodax (S5) Red Patent Material (T72) Black Hatic (A3) Learny Bloged Matrix (S0) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Other (coplain in Romarks) Sandy Mucky Mineral (S1) Depleted Matrix (F2) *Indicators of hydrophytic vegetation and wetland hydrobagy must be present, unless disturbed or problematic. Type: Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) *Indicators of hydrophytic vegetation and wetland hydrobagy must be present, unless disturbed or problematic. Type: Primary Indicators: Present? Yes No	4-12	101R 2/2	95	51K 3/4	5				
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histoel (A1) Sandy Rodax (S5) 2 cm Mack (A10) Histoel (A1) Sandy Rodax (S5) Red Patent Material (T72) Black Hatic (A3) Learny Bloged Matrix (S0) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Other (coplain in Romarks) Sandy Mucky Mineral (S1) Depleted Matrix (F2) *Indicators of hydrophytic vegetation and wetland hydrobagy must be present, unless disturbed or problematic. Type: Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) *Indicators of hydrophytic vegetation and wetland hydrobagy must be present, unless disturbed or problematic. Type: Primary Indicators: Present? Yes No									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histoel (A1) Sandy Rodax (S5) 2 cm Mack (A10) Histoel (A1) Sandy Rodax (S5) Red Patent Material (T72) Black Hatic (A3) Learny Bloged Matrix (S0) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Other (coplain in Romarks) Sandy Mucky Mineral (S1) Depleted Matrix (F2) *Indicators of hydrophytic vegetation and wetland hydrobagy must be present, unless disturbed or problematic. Type: Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) *Indicators of hydrophytic vegetation and wetland hydrobagy must be present, unless disturbed or problematic. Type: Primary Indicators: Present? Yes No									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histoel (A1) Sandy Rodax (S5) 2 cm Mack (A10) Histoel (A1) Sandy Rodax (S5) Red Patent Material (T72) Black Hatic (A3) Learny Bloged Matrix (S0) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Other (coplain in Romarks) Sandy Mucky Mineral (S1) Depleted Matrix (F2) *Indicators of hydrophytic vegetation and wetland hydrobagy must be present, unless disturbed or problematic. Type: Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) *Indicators of hydrophytic vegetation and wetland hydrobagy must be present, unless disturbed or problematic. Type: Primary Indicators: Present? Yes No							·		
Histosal (A1)								Indic	
Histic Epipedon (A2) Stipped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mukdy Mineral (F1) (except MLRA 1) Very Shallew Dark Surface (TF12) Hybriogen Sulfide (A4) Leamy Gleyed Matrix (F2) Other (applain in Remarks) Depleted Balow Dark Surface (A12) X Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type: Peipe (mches): No Type: Depleted Dark Surface (F6) Indicators of hydrophytic vegetation and wetland hydrology Indicators: Primary Indicators (Ininimum of one required), check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water stained Leaves (B0) (Except MLRA Water stained Leaves (B0) Staturation (A3) Saturation (A4B) Drainage Patterns (B10) Water Mater (A1) Aquate (Divertabristics (F13) Drainage Patterns (B10) Water Mater (A1) Aquater (A13) Saturation (A4B) Distained Leaves (B0) (Except MLRA Water Mater (A1) Aquater (Morehorbartics (F13) Drainage Patterns (B10) Drainage Patterns (B10) Distained Valade (B1) Drainage Patterns	-							indio	-
Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Vary Shallow Dark Surface (TF12) Hydrogen Suffac (A4) Loamy Gleged Matrix (F2) Other (explain in Remarks) Depleted Below Dark Surface (A12) X Redx Dark Surface (F6) Sandy Gleged Matrix (S3) Depleted Matrix (F3) "Indicators of hydrophylic vegetation and wetland hydrology must be present, unless dialuted or problematic. Restrictive Layer (If present): Type:						-			
Hydrogen Sulfade (A4) Loamy Gleyed Matrix (F2) Other (explain in Remarka) Depleted Below Dark, Surface (A11) Depleted Matrix (F3) Other (explain in Remarka) Thick Dark Surface (A12) X Redox Dark Surface (F6) Sandy Mudry Mineral (S1) Depleted Dark Surface (F7) Problematic. Restrictive Layer (if present): Type: Problematic. Depth (inches): Hydric Soil Present? Yes X No Remarks: HYDROLOGY Secondary Indicators (2 or more required). No Metra Hydrology Indicators: Primary Indicators (A11) Water stained Leaves (B9) (Except MLRA Water stained Leaves (B9) Water stained Leaves (B9) Surface Water (A1) Water Table (A2) 1, 2, 4A, and 49) Other (A12, 4A, and 48) Other Table (C2) Saturation (A3) Sati Crust (B11) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation (A3) Sati Crust (B11) Drainage Patterns (B10) Dry-Season Water Table (C2) Mater Marks (B1) Apauta (Invertebrates (B13) Dry-Season Water Table (C2) Sati Crust (B1) Saturation Vaible on Annial Imagery (B7) Other (Explain in Remarks) Frost-Netaruta Table (C2) Mater Marks (B1)								except MI RA 1)	
Depteted Below Dark Surface (A1) Depteted Matrix (F3) Thick Dark Surface (A12) X Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depteted Dark Surface (F7) **Indicators of hydrophylic vegetation and wetland hydrology must be present. unless disturbed or problematic. Restrictive Layer (if present): Type: Hydric Soil Present? Yes X No Depth (inches):			• •			-			
Trick Dark Surface (A12) X Redox Dark Surface (F6) *indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present):									
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) **Indicators of hydrophydic vegetation and wetland in hydrology must be present, unless disturbed or problematic. Restrictive Layer (If present): Type:			-	A11)					
			-						³ Indicators of hydrophytic vegetation and wetland
Restrictive Layer (if present): Type: Depth (inches): Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water stained Leaves (B9) (Except MLRA (MLRA1, 2, 4A, and 4B) (MLRA1, 2, 4A, and 4B) Water stained Leaves (B9) High Water Table (A2) 1, 2, 4A, and 4B) (MLRA1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Mater Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Mater Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Multi Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C Diff Deposits (B5) Startaton Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vagetated Concave Sulface (B8) Field Observations: Surface Soli Cracks (B6) Stauted on Stressed Plants (D1) (LRR						-			hydrology must be present, unless disturbed or
Depth (inches): Hydric Soil Present? Yes X No Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water stained Leaves (B9) (Except MLRA Mydater Table (A2) 1, 2, 4A, and 4B) Surface Water (A1) Water stained Leaves (B1) Water stained Leaves (B1) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Water Marks (B1) Aquatic Invertebrates (B13) Drift Deposits (B2) Hydrogen Suffice Odor (C1) Algal Mat or Crust (B4) Presence of Reduced Inn (C4) Sturface Soil Cracks (B6) Sturface or Reduced Inn (C4) Surface Soil Cracks (B6) Sturted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Field Observations: No Surface Water Present? No Water Table Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Sturation Prese									
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Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): >12 Wetland Hydrology Present? Water Table Present? Yes No X Depth (inches): >12 Yes X No Saturation Present? Yes No X Depth (inches): >12 Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Staturation Present? Yes <			(B6)					()	
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(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Table P	resent? Yes		No X	Depth	(inches):	>12	Wetland Hyd	Irology Present?
				No <u>X</u>	Depth	(inches):	>12		Yes X No
emarks:	Describe Reco	orded Data (stream g	auge, mon	itoring well, aerial ph	otos, previ	ous inspect	ions), if available	:	
temarks:									
	Remarks:								

V				PM - Wosto	ern Mountains, Va	allove and C	PHS #	6904
	Walgrave F		City/County:		tin/Washington	•	•	5/2021
Project/Site:	Phelan Deve		City/County:	Tudia		Sampling D		
Applicant/Owner:		S/TF	Section To	washin Bongo:	State		Sampling Point p 2S, Range 1W	. 17
Investigator(s):		Moun		wnship, Range:	ncave, convex, none):	None	Slope (%)	2-3
	· · · -	LRR A						
Subregion (LRR):			Lat:			j:		W3005
Soil Map Unit Name:			,	Vee		Classification:		
, ,	-	ne site typical for this t		Yes	Are "Normal Circumsta		explain in Remarks)	
Are vegetation		or Hydrology	_				IN) <u>I</u>	-
Are vegetation	Soil	or Hydrology	naturally proble		, explain any answers in F	cemarks.)		
SUMMARY OF	FINDINGS -	Attach site map	showing san	npling point	locations, transec	ts, important f	eatures, etc.	
Hydrophytic Vegetati	ion Present? Y	res X N	lo					
Hydric Soil Present?	Y Y	res X N	lo	Is Sampled Ar a Wetlar		s	No X	
Wetland Hydrology F	Present? Y	′es N	lo X					
Remarks:								
VEGETATION ·	- Use scientif	ic names of pla	nts.					
		absolute % cover	Dominant Species?	Indicator Status	Dominance Test w	orksheet:		
Tree Stratum (plo	ot size: 30		Opecies:	Olalus	Number of Dominant S	pecies		
1 Pinus ponder		25	x	FACU	That are OBL, FACW, o		5	(A)
2					, ,			_ ()
3					Total Number of Domin	ant		
4					Species Across All Stra	ta:	6	(B)
		25	= Total Cover					
Sapling/Shrub Stratu	<u>um</u> (plot size:	30)			Percent of Dominant Sp	pecies		
1 Rosa pisocar	rpa 🗕	60	x	FAC	That are OBL, FACW,	or FAC:	83%	(A/B)
2 Crataegus m	onogyna	30	X	FAC				
3 Rubus armen	niacus	25	<u> </u>	FAC	Prevalence Index V	Vorksheet:		
4 Symphoricar	pos albus	10		FACU	Total % Cover of	Multip	ly by:	
5			- <u> </u>		OBL Species		1 = 0	-
		125	= Total Cover		FACW species FAC Species		2 = 0 3 = 0	-
Herb Stratum (plo	ot size: 10)			FACU Species		4 = 0	-
1 Poa sp		60	x	(FAC)	UPL Species		5 = 0	-
2 Agrostis cap	illaris	40	X	FAC	Column Totals	0 (A)	0	(B)
3								_
4			<u> </u>		Prevalence Index	=B/A =	#DIV/0!	_
5								
6			<u> </u>		Hydrophytic Veget	ation Indicators	:	
7						_	Hydrophytic Vegetati	on
8			- Tatal Qavar		<u> </u>	2- Dominance Te 3-Prevalence Inde		
		100	= Total Cover			_	ex is ≤ 3.0 Adaptations ¹ (provide	supporting
Woody Vine Stratum	<u>n</u> (plot size:)				_	or on a separate shee	
1						5- Wetland Non-\	/ascular Plants ¹	
2						Problematic Hydr	ophytic Vegetation ¹ (Explain)
		0	= Total Cover		¹ Indicators of hydric soil		ogy must be present	unless
					disturbed or problemati	C.		
					Hydrophytic			
% Bare Ground in H	erb Stratum				Hydrophytic Vegetation	Yes	X No	,

Profile Decertificity: (Decreting to the depth meeded to document the Indicator or confirm the ableace of Indicators.) Recards:								••••••••••••••••••••••••••••••••••••••	
Coder (mail) S. Coder (mail) S. Coder (mail) No Remarks 0-3 10YR 3/2 95 10YR 6/6 5 C M Silt Learn fine mottles 3-12+ 7.5YR 3/2 85 7.5YR 3/3 15 C M Silt Learn fine mottles 3-12+ 7.5YR 3/2 85 7.5YR 3/3 15 C M Silt Learn fine mottles 1 1 1 1 1 1 1 1 1 1			he depth r	needed to docume			irm the absen	ce of indicators.)	
D-3 10 YR 3/2 95 10 YR 6/8 6 C M Silt Learn Ine mottles 3.12+ 7.5 YR 3/2 85 7.5 YR 3/3 15 C M Silt Learn Ine mottles 3.12+ 7.5 YR 3/2 85 7.5 YR 3/3 15 C M Silt Learn Ine mottles 3.12+ 7.5 YR 3/2 85 7.5 YR 3/3 15 C M Silt Learn Ine mottles 3.12+ 7.5 YR 3/2 85 7.5 YR 3/3 15 C M Silt Learn Ine mottles 3.12 0.1 1000000000000000000000000000000000000			%	Color (moist)			Loc ²	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=Rotuced Matrix, CS=Covered or Coalied Sand Grains. ** Coalierr, PL=Pore Living, M=Matrix, Pl=Pore Living, Pl=Pore	0-3	10YR 3/2	95	10YR 6/8	5	С	Μ	Silt Loam	fine mottles
"Type: C=Concentration, D=Depletion, RM-Reduced Mattix, CS=Coveed or Coaled Sand Gams. *Locator; PL=Pore Lining, M=Matrix, Hydric Solis ³ ; Hydric Soli Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solis ³ ; Histosci (A1) Sandy Rodox (S5) 2 cm Mark (A10) Histosci (A1) Sandy Rodox (S5) 2 cm Mark (A10) Disk Hatic (A2) Stripped Matrix (S1) Red Ream Material (T2) Disk Hatic (A3) Loamy Valvey Meant (T2) Other (explain in Remarks) Dopided Bolow Dark Surface (A11) Dopided Dark Surface (T2) Other (explain in Remarks) Sandy Rodox Matrix (C3) Restor Ka Surface (T3) The Copedent Matrix (F3) Sandy Marky Mineral (S1) Depleted Dark Surface (T7) Problematic Sandy Glogod Matrix (S4) Restor Ka Surface (T3) The copedent Dark Surface (T3) Restrictive Layor (Meak (A2) 1.2.4A, and 4B) Water Salia (Matrix (A2, and 4B) Surface (C3) Surface (T3) Dary Season Water (A1) Dary Season Water Table (C2) Surface (C4) 1.2.4A, and 4B) Water Salia (Matrix (C2) Table (C2) Surface (C4) 1.2.4A, and 4B) Water Salia (Matrix (C2) Salia (Matrix (C2) Surface (C4) Sa	3-12+	7.5YR 3/2	85	7.5YR 3/3	15	С	М	Silt Loam	fine mottles
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ¹ : Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histosol (A2) Stringed Matrix (S6) Read Parent Material (TF2) Depleted Bolov Dark Surface (A1) Depleted Matrix (S6) Read Parent Material (TF2) Depleted Bolov Dark Surface (A11) Depleted Matrix (F2) Other (explain in Remarks) Depleted Bolov Dark Surface (A11) Depleted Matrix (F2) Trick Dark Surface (A11) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless distubed or problematic. Type: Problematic Redox Dapressions (F8) Very Shallow Dark Surface (TF12) Surface Water (A1) Water stained Leaves (B9) (Except MLRA Water stained Leaves (B9) (Except MLRA HYDROLOGY Water stained Leaves (B9) (Except MLRA Water stained Leaves (B9) (MLRA1, 2, 4, and 49) Surface Water (A1) Water stained Leaves (B9) (Except MLRA Water stained Leaves (B9) (MLRA1, 2, 4, and 49) Sufface Water (A1) Water stained Leaves (B9) (Except MLRA Water stained Leaves (B9) (MLRA1, 2, 4, and 49) Sufface Water (A1) Water stained Leaves (B9) (MLRA1, 2, 4, and 49) Other (explain in Remarks) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
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Histosel (A1)	Type: C=Conc	centration, D=Depletio	on, RM=Re	duced Matrix, CS=	Covered or	Coated Sand	l Grains.		0
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									³ Indicators of hydrophytic vegetation and wetland
Restrictive Layer (if present):									hydrology must be present, unless disturbed or
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Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Present? Yes No X Depth (inches): >12+ Wetland Hydrology Present? Yes No X Depth (inches): >12+ Includes capillary fringe) No X Depth (inches): >12+ Vescribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Yes No X	Remarks: HYDROLO Wetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	f one requ	uired; check all th		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert	4B) 11) tebrates (B13)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6) Fac-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Depth (inches): >12+ Wetland Hydrology Present? Sauration Present? Yes No X Depth (inches): >12+ Sauration Present? Yes No X Depth (inches): >12+ Sauration Present? Yes No X Depth (inches): >12+ Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Secriba Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: HYDROLO Wetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	f one requ	uired; check all th		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul	4B) 11) tebrates (B13) fide Odor (C1)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Tepth (inches): >12+ Wetland Hydrology Present? Yes No X Saturation Present? Yes No X No X Depth (inches): >12+ Yes No X Depth (inches): >12+ Saturation Present? Yes No X Depth (inches): >12+ Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Pavailable: Pavailable:	Remarks: HYDROLO Wetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one requ ?) ?2)	uired; check all th		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz	4B) 11) tebrates (B13) fide Odor (C1) zospheres along	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): >12+ Wetland Hydrology Present? No X Depth (inches): >12+ Wetland Hydrology Present? No X Saturation Present? Yes No X Depth (inches): >12+ Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: No X	Remarks: HYDROLO Wetland Hyd Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4	f one requ ?) ?2)	uired; check all ti		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F	4B) 11) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3)
Field Observations: Surface Water Present? Yes No X Depth (inches): >12+ Wetland Hydrology Present? Nater Table Present? Yes No X Depth (inches): >12+ Wetland Hydrology Present? Saturation Present? Yes No X Depth (inches): >12+ Yes No X Saturation Present? Yes No X Depth (inches): >12+ Yes No X Includes capillary fringe) No X Depth (inches): >12+ Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Saturations in the second seco	Remarks: HYDROLO Wetland Hy Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B1) Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	f one req 2) 32) 4)	uired; check all tl		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R	4B) I1) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C Reduction in Plo	Except MLRA g Living Roots (C3) C4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
Surface Water Present? Yes No X Depth (inches): >12+ Water Table Present? Yes No X Depth (inches): >12+ Wetland Hydrology Present? Saturation Present? Yes No X Depth (inches): >12+ Yes No X Saturation Present? Yes No X Depth (inches): >12+ Yes No X Includes capillary fringe) Ves No X Depth (inches): >12+ Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: Image: Saturation Present in the saturation of the saturation	Remarks: HYDROLO Wetland Hy Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B	f one req :) :2) 1) B6)			Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Stu	4B) (11) tebrates (B13) (fide Odor (C1)) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (Except MLRA g Living Roots (C3) C4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Water Table Present? Yes No X Depth (inches): >12+ Wetland Hydrology Present? Saturation Present? Yes No X Depth (inches): >12+ Yes No X includes capillary fringe) No X Depth (inches): >12+ Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available: If available	Remarks: HYDROLO Vetland Hyd Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A	f one requ 2) 22) 4) B6) Aerial Imag	gery (B7)		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Stu	4B) (11) tebrates (B13) (fide Odor (C1)) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (Except MLRA g Living Roots (C3) C4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Saturation Present? Yes No X Depth (inches): >12+ Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: HYDROLO Wetland Hy Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B Inundation Visible on A	f one requ 2) 22) 4) B6) Aerial Imag	gery (B7)		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Stu	4B) (11) tebrates (B13) (fide Odor (C1)) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (Except MLRA g Living Roots (C3) C4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: HYDROLO Wetland Hyd Primary Indic Primary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B Inundation Visible on / Sparsely Vegetated C vations:	f one requ 2) 22) 4) B6) Aerial Imag	gery (B7) urface (B8)		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Sta Other (Explain	4B) (11) tebrates (B13) (fide Odor (C1)) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (Except MLRA g Living Roots (C3) C4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: HYDROLO Wetland Hyd Primary Indic S Field Obser Surface Water	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes	f one requ 2) 22) 4) B6) Aerial Imag	gery (B7) urface (B8) No <u>X</u>		Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str Other (Explain (inches):	4B) (11) tebrates (B13) (fide Odor (C1)) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (I n in Remarks)	Except MLRA g Living Roots (C3) (24) wed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
	Remarks: HYDROLO Wetland Hyd Primary Indic Sector Surface Water Nater Table Pl Saturation Pres	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes	f one requ 2) 22) 4) B6) Aerial Imag	gery (B7) urface (B8) No <u>X</u> No <u>X</u>	Depth Depth	Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Stu Other (Explain (inches): (inches):	4B) (11) tebrates (B13) (fide Odor (C1)) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (I n in Remarks) >12+	Except MLRA g Living Roots (C3) (24) wed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
əmarks:	Remarks: HYDROLO Wetland Hyd Primary Indic Primary Indic Seriate Primary Surface Water Nater Table Pressincludes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes sent? Yes y fringe)	f one req () (2) (2) (3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	gery (B7) urface (B8) No X No X No X	Depth Depth Depth	Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str Other (Explain (inches): (inches):	4B) 11) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (I n in Remarks) >12+ >12+ >12+	Except MLRA g Living Roots (C3) (24) wed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
emarks:	Remarks: HYDROLO Wetland Hyd Primary Indic Primary Indic Seriate Primary Surface Water Nater Table Pressincludes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes sent? Yes y fringe)	f one req () (2) (2) (3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	gery (B7) urface (B8) No X No X No X	Depth Depth Depth	Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str Other (Explain (inches): (inches):	4B) 11) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (I n in Remarks) >12+ >12+ >12+	Except MLRA g Living Roots (C3) (24) wed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
	Remarks: HYDROLO Wetland Hyd Primary Indic Primary Indic Seriate Primary Surface Water Nater Table Pressincludes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes sent? Yes y fringe)	f one req () (2) (2) (3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	gery (B7) urface (B8) No X No X No X	Depth Depth Depth	Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str Other (Explain (inches): (inches):	4B) 11) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (I n in Remarks) >12+ >12+ >12+	Except MLRA g Living Roots (C3) (24) wed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
	Remarks: HYDROLO Vetland Hyd Primary India Primary India Primary India Second States Second States Second States Second States Second States Second States Second States Second States Second States Second States States Second States Second States State	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes sent? Yes y fringe)	f one req () (2) (2) (3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	gery (B7) urface (B8) No X No X No X	Depth Depth Depth	Water stained 1, 2, 4A, and Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str Other (Explain (inches): (inches):	4B) 11) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C Reduction in Plo ressed Plants (I n in Remarks) >12+ >12+ >12+	Except MLRA g Living Roots (C3) (24) wed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

N		ETERMINATION		RM - Weste	rn Mountains, Val	levs, and Coa	PHS # st Region	6904
Project/Site:	Walgrave I		City/County:		tin/Washington	Sampling Date:	-	/2021
Applicant/Owner:	Phelan Deve	lopment			State:	OR	Sampling Point:	18
nvestigator(s):		· ·/MS	Section. To	wnship, Range:	Sectio	n 22, Township 2	S. Range 1W	
andform (hillslope,		none	-		ncave, convex, none):	none	Slope (%):	1
ubregion (LRR):		LRR A	Lat:	(· · · · ·		Datum:	WSG85
oil Map Unit Name			oro loam			ssification:	PEM1C	
		ne site typical for this tim		Yes	X No		lain in Remarks)	
re vegetation	-		significantly dist		Are "Normal Circumstand			
re vegetation	Soil	or Hydrology			, explain any answers in Re		<u> </u>	
						marks.)		
UMMARY OF	FINDINGS -	Attach site map	showing san	npling point	locations, transects	, important fea	tures, etc.	
ydrophytic Vegetat	ion Present? Y	res X No						
ydric Soil Present?	y Y	/es No	X	ls Sampled Ar a Wetlar			No X	
/etland Hydrology F	Present? Y	/es No	X		-			
emarks:								
EGETATION ·	 Use scientif 	ic names of plant	s.		•			
		absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
ree Stratum (plo	ot size:	% cover	Species?	Status	Number of Dominant Spe	cies		
		/			That are OBL, FACW, or		2	(A)
·								(, ,)
					Total Number of Dominan	t		
1					Species Across All Strata	:	3	(B)
		0	= Total Cover					
apling/Shrub Stratu	um (plot size:	30)			Percent of Dominant Spe	cies		
Rubus armer	(, 25	X	FAC	That are OBL, FACW, or		67%	(A/B)
Amelanchier		20	X	FACU				()
Mahonia aqu	ifolium	5		FACU	Prevalence Index Wo	orksheet:		
Rosa sp		5		(FAC)	Total % Cover of	Multiply b	y:	
Symphoricar	pos albus	5		FACU	OBL Species	x 1 =	0	
		60	= Total Cover		FACW species	x 2 =	0	
		`			FAC Species	x 3 =		
	ot size: 10	/	v		FACU Species	x 4 =	0	
Unidentified	*	<u> </u>	<u> </u>	(FAC) FACU	UPL Species	x 5 =	0	(P)
Prunella vulg		2		FACU	Column Totals	0 (A)		(B)
Fiantago iano		<u>£</u>			Prevalence Index =	B/A = :	#DIV/0!	
					Hydrophytic Vegetati	ion Indicators:		
						1- Rapid Test for Hyd	rophytic Vegetatior	ı
					X	2- Dominance Test is	>50%	
		40	= Total Cover			3-Prevalence Index is		
						4-Morphological Adap		
oody Vine Stratum	n (plot size:)				data in Remarks or o)
						5- Wetland Non-Vasc		un lair)
			- T-4 1 0			Problematic Hydrophy		
		0	= Total Cover		¹ Indicators of hydric soil a disturbed or problematic.	na weliana nyarology	must pe present, t	IIIIESS
					Hydrophytic			
6 Bare Ground in H	erb Stratum	60			Vegetation Present?	Yes X	No	

SOIL			PHS #	6904	_		Sampling Point:	18
		the depth	needed to docume	ent the indicator or o		nce of indicators.)		
Depth (In the set)	Matrix	0/		Redox Features	Loc ²	Tautum	Dama	
(Inches)	Color (moist)	%	Color (moist)	% Type ¹	Loc		Rema	rks
0-10+	10YR 3/3	100				Sandy Loam		
	·							
				Covered or Coated S			² Location: PL=Pore Lining,	
Hydric Soil	Indicators: (App	licable to	all LRRs, unles	s otherwise note	d.)	Indic	ators for Problematic Hy	/dric Soils ³ :
	Histosol (A1)			Sandy Re	dox (S5)		2 cm Muck (A	10)
	Histic Epipedon (A2))		Stripped I	Matrix (S6)		Red Parent M	aterial (TF2)
	Black Histic (A3)			Loamy M	ucky Mineral (F1)	(except MLRA 1)	Very Shallow	Dark Surface (TF12)
	Hydrogen Sulfide (A	4)		Loamy Gl	eyed Matrix (F2)		Other (explain	in Remarks)
	Depleted Below Dar	k Surface (A11)	Depleted	Matrix (F3)			
	Thick Dark Surface	(A12)		Redox Da	rk Surface (F6)			
	Sandy Mucky Minera	al (S1)		Depleted	Dark Surface (F7))	³ Indicators of hydrophytic ve hydrology must be present	
	Sandy Gleyed Matrix	(S4)		Redox De	pressions (F8)		problema	
Restrictive	Layer (if present):						
Type:								
Depth (inche	s):					Hydric Soil Pres	sent? Yes	No X
Remarks:	·					,		<u> </u>
HYDROLC Wetland Hy)GY /drology Indicato	rs:						
Primary Indi	cators (minimum	of one rec	juired; check all t	hat apply)			Secondary Indicators (2	2 or more required)
	Surface Water (A1)				ined Leaves (B9)	(Except MLRA	Water stained	
	High Water Table (A	2)		1, 2, 4A, a	and 4B)		(MLRA1, 2, 4	A, and 4B)
	Saturation (A3)			Salt Crus	: (B11)		Drainage Patt	erns (B10)
	Water Marks (B1)			Aquatic Ir	vertebrates (B13)		Dry-Season W	/ater Table (C2)
	Sediment Deposits (B2)		Hydrogen	Sulfide Odor (C1)	Saturation Vis	ible on Aerial Imagery (C9
	Drift Deposits (B3)			Oxidized	Rhizospheres alor	ng Living Roots (C3)	Geomorphic F	Position (D2)
	Algal Mat or Crust (E	34)		Presence	of Reduced Iron ((C4)	Shallow Aquit	ard (D3)
	Iron Deposits (B5)			Recent Ire	on Reduction in Pl	owed Soils (C6)	Fac-Neutral T	est (D5)
	Surface Soil Cracks	(B6)		Stunted o	r Stressed Plants	(D1) (LRR A)	Raised Ant Mo	ounds (D6) (LRR A)
	Inundation Visible or	n Aerial Ima	igery (B7)	Other (Ex	plain in Remarks)		Frost-Heave H	lummocks (D7)
	Sparsely Vegetated	Concave S	urface (B8)					
Field Obser	rvations:							
Surface Wate	r Present? Yes		No <u>X</u>	Depth (inches):				
Water Table F	Present? Yes		No X	Depth (inches):	>10+	Wetland Hyd	rology Present?	
Saturation Pre (includes capilla			No <u>X</u>	Depth (inches):	>10+		Yes	No <u>X</u>
		auge, mon	itoring well, aerial bl	notos, previous inspe	ctions), if available	 		
	3	g .,	········	·····, բ····· ····	,			
Remarks:								

	WETLAND				RM - Weste	rn Mountains, Va	llevs. and (Coast R	PHS # eaion	6904
Project/Site:		ve Proper		City/County:		tin/Washington	Sampling		•	/2021
Applicant/Owner:	Phelan De					State:			pling Point:	18
nvestigator(s):		TF/MS		Section To	wnship, Range:		on 22, Towns			
andform (hillslope,			none	-		ncave, convex, none):	none	-	Slope (%):	1
Subregion (LRR):	, ienaec, eie)	LRR A		Lat:					Datum:	WSG85
				oro loam					none	110000
oil Map Unit Name		n tha aita tu			Vee		assification:			
Are climatic/hydrolo	•			•	Yes		·	io, explain ir		
Are vegetation		_		significantly dist		Are "Normal Circumstan		Y/N)	ř	
re vegetation	Soll	or Hyd	drology	naturally problem	matic? If needed	, explain any answers in Re	emarks.)			
	FINDINGS	- Attac	h site map s	showing san	npling point	locations, transect	s, importan	t features	s, etc.	
ydrophytic Vegeta		Yes	X No	.			-, [,	
lydric Soil Present		Yes	No	X	Is Sampled Ar a Wetlar			No	x	
Vetland Hydrology		Yes	No		a wettar	107				
	Tresent:			<u> </u>						
emarks:										
EGETATION	- Use scien	tific nan	nes of plant	S.						
			absolute	Dominant	Indicator	Dominance Test wo	rksheet:			
			% cover	Species?	Status					
ree Stratum (pl	ot size:)				Number of Dominant Spe	ecies			
l						That are OBL, FACW, or	FAC:	3		(A)
3						Total Number of Domina				
1						Species Across All Strata	a:	3		(B)
			0	= Total Cover						
apling/Shrub Strat	<u>tum</u> (plot size	e: 30)			Percent of Dominant Spe	ecies			
Rubus arme	niacus		45	X	FAC	That are OBL, FACW, o	r FAC:	1009	6	(A/B)
Crataegus n	nonogyna		3		FAC					
B Frangula pu			2		FAC	Prevalence Index W	orksheet:			
4 Corylus corr			1		FACU	Total % Cover of	Mul	tiply by:		
5 Quercus gar	rryana		1		FACU	OBL Species		x 1 =	0	
			52	= Total Cover		FACW species		x2=	0	
erb Stratum (pl	ot size:	10)				FAC Species FACU Species		x 3 = x 4 =	0	
1 Unidentified)	20	x	(FAC)	UPL Species		x 4	0	
Bromus sp	3.230		15	<u> </u>	(FAC)	Column Totals	0 (A)			(B)
3 Trifolium arv	vense		5		UPL		(//)	-	-	`
Centaurium			5		FAC	Prevalence Index =	B/A =	#DIV	0!	
Hypochaeris	-		4		FACU					
Unidentified			3		(FAC)	Hydrophytic Vegetat	ion Indicator	s:		
Daucus card			1		FACU		1- Rapid Test fo		ic Vegetatior	ı
3						x	2- Dominance	Fest is >50%		
			53	= Total Cover			3-Prevalence Ir			
							4-Morphologica			
loody Vine Stratur	m (plot size:)				data in Remark		· . ')
1							5- Wetland Nor			
2						1	Problematic Hy			
			0	= Total Cover		¹ Indicators of hydric soil a disturbed or problematic.	and wetland hyd	rology must	be present, u	inless
						disturbed or problematic.				
	Jorb Stratum	-	30			Vegetation	Yes	х	No	
6 Bare Ground in H						Vegetation				

At the edge of a field. Half of the plot was plowed field, the other half was blackberry thicket.

			PHS #	6904	_		Sampling Point:	18
-		the depth	needed to docume	ent the indicator or c	onfirm the absen	ce of indicators.)		
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	Redox Features % Type ¹	Loc ²	Texture	Remarks	
0-12	7.5YR 3/3	100		<u></u>		Sandy Loam	Coarse	
0-12	1.0110.010					Candy Loann	obalse	
	centration D=Deplet	ion RM=R	educed Matrix_CS=	Covered or Coated Sa	and Grains		² Location: PL=Pore Lining, M=	Matrix
				s otherwise noted		Indic	ators for Problematic Hydr	
-	Histosol (A1)		,	Sandy Re			2 cm Muck (A10)	
	Histic Epipedon (A2))		Stripped N			Red Parent Mate	
	Black Histic (A3)	/			icky Mineral (F1) (e	except MLRA 1)		rk Surface (TF12)
	Hydrogen Sulfide (A	4)			eyed Matrix (F2)		Other (explain in	
	Depleted Below Darl		Δ11)	Depleted I				Romanoy
	Thick Dark Surface (((1))		rk Surface (F6)			
	Sandy Mucky Minera				Dark Surface (F7)		³ Indicators of hydrophytic vege	
	Sandy Gleyed Matrix				pressions (F8)		hydrology must be present, ur problematic.	
	Layer (if present)						F	
Type:		,.						
Depth (inches	.). <u> </u>					Hydric Soil Pres	cont? Voc	No X
	·)·							
Remarks:								
HYDROLO	GY drology Indicato	rs:						
HYDROLO Wetland Hyd			uired; check all t	hat apply)			Secondary Indicators (2 o	r more required)
HYDROLO Wetland Hyd Primary Indic	drology Indicato cators (minimum o Surface Water (A1)	of one rec	juired; check all t	Water stai	ned Leaves (B9) (Except MLRA	Water stained Le	aves (B9)
HYDROLO Wetland Hyd Primary Indic	drology Indicato cators (minimum o	of one rec	uired; check all t			Except MLRA		aves (B9)
HYDROLO Wetland Hyd Primary Indic F	drology Indicato cators (minimum o Surface Water (A1)	of one rec	uired; check all t	Water stai	nd 4B)	Except MLRA	Water stained Le	aves (B9) and 4B)
HYDROLO Wetland Hyd Primary Indic F	drology Indicato cators (minimum o Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1)	of one rec	juired; check all t	Water stai 1, 2, 4A, a Salt Crust Aquatic In	nd 4B) (B11) vertebrates (B13)	Except MLRA	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate	aves (B9) and 4B) s (B10) er Table (C2)
HYDROLO Wetland Hyd Primary Indic	drology Indicato cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (of one rec	quired; check all t	Water stai 1, 2, 4A, a Salt Crust Aquatic In Hydrogen	nd 4B) (B11) vertebrates (B13) Sulfide Odor (C1)		Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible	aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (C
HYDROLO Wetland Hyd Primary Indic F	drology Indicato cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3)	of one rec 2) B2)	juired; check all t	Water stai 1, 2, 4A, a Salt Crust Aquatic In Hydrogen Oxidized F	nd 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along	g Living Roots (C3)	Water stained Le (MLRA1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi	aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (C ition (D2)
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HYDROLO Wetland Hyd Primary Indic F	drology Indicato cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (E Irron Deposits (B5)	of one rec .2) B2) 34)	juired; check all t	Water stai 1, 2, 4A, a Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	nd 4B) (B11) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C n Reduction in Plo	g Living Roots (C3) C4) wed Soils (C6)	Water stained Le (MLRA1, 2, 4A, Drainage Patterm Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard Fac-Neutral Test	aves (B9) and 4B) s (B10) er Table (C2) e on Aerial Imagery (C ition (D2) (D3) (D5)
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Appendix C

Photo documentation





Photo A:

Looking west across the VC at the north end of lot 551.

Photo taken: September 24, 2021

Photo B:

Looking west into forested and shrub upland west of Wetland A.

Photo taken: September 24, 2021



Project #6904 Date 10/22/21



Pacific Habitat Services, Inc. 9450 SW Commerce Circle, Suite 180 Wilsonville, OR 97070 Photo documentation Walgraeve Partition - Tualatin, Oregon

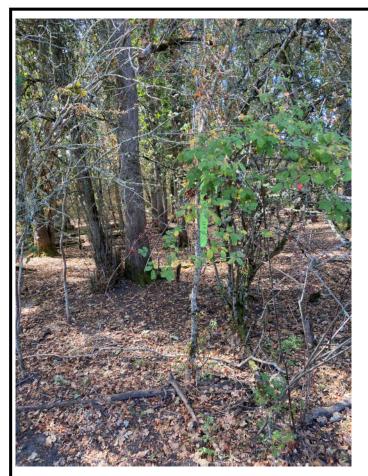


Photo C:

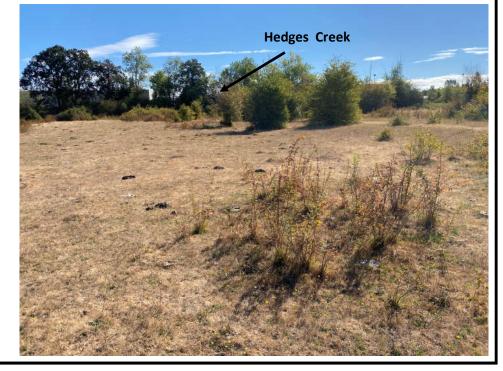
Looking northwest into a forested area in the northwest portion of lot 550.

Photo taken: September 24, 2021

Photo D:

Looking south across an upland "island" north of Hedges Creek.

Photo taken: September 24, 2021



Project #6904 Date 10/22/21



Pacific Habitat Services, Inc. 9450 SW Commerce Circle, Suite 180 Wilsonville, OR 97070 Photo documentation Walgraeve Partition - Tualatin, Oregon



Photo E:

Looking east across grazed upland south of the wetland.

Photo taken: September 24, 2021

Photo F:

Looking southeast into blackberry dominated VC south of Wetland A.

Photo taken: September 24, 2021



Project #6904 Date 10/22/21



Pacific Habitat Services, Inc. 9450 SW Commerce Circle, Suite 180 Wilsonville, OR 97070 Photo documentation Walgraeve Partition - Tualatin, Oregon

Project Contact Information

Walgraeves Industrial

Property Owner:

Walgraeves 11345 SW Herman Rd. Tualatin, OR 97062 503.692.0766 farmboys@comcast.net

Applicant:

Phelan Development Company 6750 SW Bradbury Ct. Portland, OR 97224 503.718.8837 mdearmey@phelandevco.com

Architect:

CCA, Inc. 18600 MacArthur Boulevard, Suite 300 Irvine, CA 92612 949.833.1930 alexj@ccarchitects.com

Engineer:

AAI Engineering 4875 SW Griffith Drive #100 Beaverton, OR 97005 503.620.3030 craigh@aaieng.com

Planner:

AAI Engineering 4875 SW Griffith Drive #100 Beaverton, OR 97005 503.620.3030 bethz@aaieng.com

Landscape Architect

AAI Engineering 4875 SW Griffith Drive #100 Beaverton, OR 97005 503.620.3030 teresal@aaieng.com Traffic Engineer:

Lancaster Mobley Engineering 321 SW 4th Ave. #400 Portland, OR 97204 503.248.0373 daniel@lancastermobley.com

Environmental Engineer: Pacific Habitat Services Inc. 9450 SW Commerce Circle, #180

Wilsonville, OR 97070 503.570.0800 jvs@pacifichabitat.com



0295 Soothwest Rodder Road, Witsonwile, OR 57070 503 570 0626 1503 582 9307, republicservices com

November 10, 2021

Alex Jewel Carlile Coatsworth Architects

Re: Walgraeve Property 11345 SW Herman Rd. Tualatin, OR 97062

Dear Alex,

Thank you, for sending us the preliminary site plans for this proposed development in Tualatin.

My Company: Republic Services of Clackamas and Washington Counties has the franchise agreement to service this area with the City of Tualatin. We will provide complete commercial waste removal and recycling services as needed on a weekly basis for this location

The commercial design plan that you provided on 11/4/2021 which includes a standard trash/recycle enclosure design of 10' x 20' and includes two enclosures per buildings A, B, and C, totaling six enclosures, will provide adequate space for our trash and recycle receptacles and are accessible for our collection trucks to provide service. You communicated that SW Myslony Street is planned for extension and that the site access aprons will connect with the planned street extension which will allow access for our trucks to enter the site. The site driveway design plan will allow for our trucks to navigate this location.

Thanks Alex, for your help and concerns for our services prior to this project being developed.

Sincerely,

Kelly Herrod Operations Supervisor Republic Services Inc.



www.tvfr.com

Command & Business Operations Center and North Operating Center 11945 SW 70th Avenue Tigard, Oregon 97223-8566 503-649-8577 South Operating Center 8445 SW Elligsen Road Wilsonville, Oregon 97070-9641 503-649-8577 **Training Center** 12400 SW Tonquin Road Sherwood, Oregon 97140-9734 503-259-1600

FIRE DEPARTMENT ACCESS AND WATER SUPPLY PERMIT CHECKLIST

Project Name	Address and/or Legal Description	TVF&R Permit #
Walgraeves	25122000050	
Description of Proposed Work:	Three-structure Industrial Park Wasse. SHE WORK.	Jurisdiction:
Bldg. 442,035 Square (total) Footage:	Type of Construction: V-B	Fire Sprinklers: YXN
Fire Alarms: YXN	Bldg. Height: (Measured to gutter line or top of parapet) 41'-8"	ERRC MERRC N/A

Complete checklist below if the submittal involves constructing or altering a building.

ITEM #	PROVIDED		REQUIREMENT	
1	Y 🔀	N/A 🗌	Fire service plans shall consist of a site plan and elevation views of buildings. The site plan shall be labeled as FS-1. Elevation view sheets shall be FS-2, FS-3, etc.	OFC 105.4.2
2	YX	N/A 🗌	Access roads shall be within 150 feet of all portions of the exterior wall of the first story of the building as measured by an approved route around the exterior of the building or facility. An approved turnaround is required if the remaining distance to an approved intersecting roadway, as measured along the fire apparatus access road, is greater than 150 feet. (OFC 503.1.1)	OFC 503.1.1
3	۲D	N/A 📉	Dead end fire apparatus access roads in excess of 150 feet in length shall be provided with an approved turnaround. Diagrams can be found in the corresponding guide located at: <u>http://www.tvfr.com/DocumentCenter/View/1296</u> .	OFC 503.2.5 & D103.1
4	Y 🔀	N/A 🗌	Buildings exceeding 30 feet in height or three stories in height shall have at least two separate means of fire apparatus access.	D104.1
5	YX	N/A 🗌	Buildings or facilities having a gross building area of more than 62,000 square feet shall have at least two approved separate means of fire apparatus access. Exception: Projects having a gross building area of up to 124,000 square feet that have a single approved fire apparatus access road when all buildings are equipped throughout with approved automatic sprinkler systems.	OFC D104.2
6	Y	N/A 🔀	Multifamily projects having more than 100 dwelling units shall be provided with two separate and approved fire apparatus access roads. Exception: Projects having up to 200 dwelling units may have a single approved fire apparatus access road when all buildings, including nonresidential occupancies, are equipped throughout with an approved automatic sprinkler system in accordance with section 903.3.1.1, 903.3.1.2. Projects having more than 200 dwelling units shall be provided with two separate and approved fire apparatus roads regardless of whether they are equipped with an approved automatic sprinkler system.	OFC D106
7	ΥX	N/A 🗌	Buildings with a vertical distance between the grade plane and the highest roof surface that exceeds 30 feet in height shall be provided with a fire apparatus access road constructed for use by aerial apparatus with an unobstructed driving surface width of not less than 26 feet. For the purposes of this section, the highest roof surface shall be determined by	OFC D105.1, D105.2

ITEM	PROVIDED		REQUIREMENT		
#			measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of the parapet walls, whichever is greater. Any portion of the building may be used for this measurement, provided that it is accessible to firefighters and is capable of supporting ground ladder placement.	REF	
8	۲D	N/A 🔀	Developments of one- or two-family dwellings, where the number of dwelling units exceeds 30, shall be provided with separate and approved fire apparatus access roads and shall meet the requirements of Section D104.3. Exception: Where there are more than 30 dwelling units on a single public or private fire apparatus access road and all dwelling units are equipped throughout with an approved automatic sprinkler system in accordance with section 903.3.1.1, 903.3.1.2, or 903.3.1.3 of the International Fire Code, access from two directions shall not be required.	OFC D107	
9	Y 🔀	N/A 🗌	At least one of the required aerial access routes shall be located within a minimum of 15 feet and a maximum of 30 feet from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial access road is positioned shall be approved by the Fire Marshal. Overhead utility and power lines shall not be located over the aerial access road or between the aerial access road and the building.	OFC D105.3, D105.4	
10	Y 🔀	N/A 🛄	Where two access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the area to be served (as identified by the Fire Marshal), measured in a straight line between accesses.	OFC D104.3	
11	YX	N/A	Fire apparatus access roads shall have an unobstructed driving surface width of not less than 20 feet (26 feet adjacent to fire hydrants and an unobstructed vertical clearance of not less than 13 feet 6 inches.	OFC 503.2.1 & D103.1	
12	۲D	N/A 🗙	The fire district will approve access roads of 12 feet for up to three dwelling units (Group R- 3) and accessory (Group U) buildings.	OFC 503.1.1	
13	ΥD	N/A 🗙	Where access roads are less than 20 feet and exceed 400 feet in length, turnouts 10 feet wide and 30 feet long may be required and will be determined on a case by case basis.	OFC 503.2.2	
14	Υ□	N/A 🗙	Where fire apparatus roadways are not of sufficient width to accommodate parked vehicles and 20 feet of unobstructed driving surface, "No Parking" signs shall be installed on one or both sides of the roadway and in turnarounds as needed. Signs shall read "NO PARKING - FIRE LANE" and shall be installed with a clear space above grade level of 7 feet. Signs shall be 12 inches wide by 18 inches high and shall have red letters on a white reflective background.	OFC D103.6	
15	۲X	N/A	Where required, fire apparatus access roadway curbs shall be painted red (or as approved) and marked "NO PARKING FIRE LANE" at 25-foot intervals. Lettering shall have a stroke of not less than one inch wide by six inches high. Lettering shall be white on red background	OFC 503.3	
16	Y 🗙	N/A	Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet and shall extend 20 feet before and after the point of the hydrant.	OFC D103.1	
17	۲D	N/A 🗙	Where access roads are less than 20 feet and exceed 400 feet in length, turnouts 10 feet wide and 30 feet long may be required and will be determined on a case by case basis.	OFC 503.2.2	
18	YX	N/A	Fire apparatus access roads shall be of an all-weather surface that is easily distinguishable from the surrounding area and is capable of supporting not less than 12,500 pounds point load (wheel load) and 75,000 pounds live load (gross vehicle weight). Documentation from a registered engineer that the final construction is in accordance with approved plans or the requirements of the Fire Code may be requested.	OFC 503.2.3	
19	Y 🔀	N/A	The inside turning radius and outside turning radius shall not be less than 28 feet and 48 feet respectively, measured from the same center point.	OFC 503.2.4 & D103.3	
20	Y 🗙	N/A	Fire apparatus access roadway grades shall not exceed 15%. Alternate methods and materials may be available at the discretion of the Fire Marshal (for grade exceeding 15%).	OFC D103.2	
21	۲	N/A 📉	Approved forest dwellings (in which the structure meets all County forest dwelling fire siting, fire retardant roof, and spark arrestor requirements) are allowed up to 20% maximum grade. Access roads greater than 20% shall be considered on a case-by-case basis. Forest dwelling access roads shall be an all-weather surface capable of supporting imposed loads of not less than 37,000 pounds gross vehicle weight and be no less than 12 feet minimum width. All other access requirements, including turnarounds shall be determined upon a heavy brush unit response capability to the individual property.	OFC 503.1.1 & D102.1.1	
	11 14	14		2	

ITEM #	PROVIDED		REQUIREMENT	
22	Y 🗖	N/A 🗙	Turnarounds shall be as flat as possible and have a maximum of 5% grade with the exception of crowning for water run-off.	REF OFC 503.2.7 & D103.2
23	Y 🗙	N/A 🗌	Intersections shall be level (maximum 5%) with the exception of crowning for water run-off.	OFC 503.2.7 & D103.2
24	Y 🗙	N/A 🗌	Portions of aerial apparatus roads that will be used for aerial operations shall be as flat as possible. Front to rear and side to side maximum slope shall not exceed 10%.	OFC D103.2
25	Y 🗙	N/A 🗌	 Gates securing fire apparatus roads shall comply with all of the following: Minimum unobstructed width shall be not less than 20 feet (or the required roadway surface width). Gates shall be set back at minimum of 30 feet from the intersecting roadway or as approved. Electric gates shall be equipped with a means for operation by fire department personnel. Electric automatic gates shall comply with ASTM F 2200 and UL 325. 	OFC D103.5, & 503.6
26	Y 🗖	N/A 🗙	Private bridges shall be designed and constructed in accordance with the State of Oregon Department of Transportation and American Association of State Highway and Transportation Officials Standards <i>Standard Specification for Highway Bridges</i> . Vehicle load limits shall be posted at both entrances to bridges when required by the Fire Marshal.	OFC 503.2.6
27	ΥX	N/A 🗌	Applicants shall provide documentation of a fire hydrant flow test or flow test modeling of water availability from the local water purveyor if the project includes a new structure or increase in the floor area of an existing structure. Tests shall be conducted from a fire hydrant within 400 feet for commercial projects, or 600 feet for residential development. Flow tests will be accepted if they were performed within 5 years as long as no adverse modifications have been made to the supply system. Water availability information may not be required to be submitted for every project.	OFC Appendix B
28	Y 🗙	N/A 🗌	Where a portion of a commercial building is more than 400 feet from a hydrant on a fire apparatus access road, as measured in an approved route around the exterior of the building, on-site fire hydrants and mains shall be provided.	OFC 507.5.1
29	Y 🗌	N/A 🔀	Where the most remote portion of a residential structure is more than 600 feet from a hydrant on a fire apparatus access road, as measured in an approved route around the exterior of the structure(s), on-site fire hydrants and mains shall be provided.	OFC 507.5.1
30	ЧП	N/A 🗙	Rural one-and-two-family dwellings, where there is no fixed and reliable water supply and there is approved access, shall not be required to provide a firefighting water supply.	OFC B103
31	Y 🔲	N/A 🗙	Detached U occupancies, in rural areas, that are in excess of 3,600 square feet are not required to have a water supply when they have approved fire department access.	OFC D102
32	Y 🗙	N/A	Fire hydrants shall be located not more than 15 feet from an approved fire apparatus access roadway unless approved by the Fire Marshal.	OFC C102.1
33	Y 🗙	N/A 🗌	Where fire hydrants are subject to impact by a motor vehicle, guard posts, bollards or other approved means of protection shall be provided.	OFC 507.5.6 & OFC 312
34	Y 🗙	N/A 🗌	FDCs shall be located within 100 feet of a fire hydrant (or as approved). Hydrants and FDC's shall be located on the same side of the fire apparatus access roadway or drive aisle, fully visible, and recognizable from the street or nearest point of the fire department vehicle access or as otherwise approved.	OFC 912.2.1 & NFPA 13

ITEM	PROVIDED	REQUIREMENT	CODE
#			REF
35	Y 🗙 N/A 🗌	 In new buildings where the design reduces the level of radio coverage for public safety communications systems below minimum performance levels, a distributed antenna system, signal booster, or other method approved by TVF&R and Washington County Consolidated Communications Agency shall be provided. <u>http://www.tvfr.com/DocumentCenter/View/1296</u>. Emergency responder radio system testing and/or system installation is required for this building. Please contact me (using my contact info below) for further information including an alternate means of compliance that is available. If the alternate method is preferred, it must be requested from TVF&R prior to issuance of building permit. Testing shall take place after the installation of all roofing systems; exterior walls, glazing and siding/cladding; and all permanent interior walls, partitions, ceilings, and glazing. MERRC Q&A <u>MERRC Q&A</u> MERRC Permit Application <u>MERRC Permit Application</u> 	OFC 510, Appendix F, & OSSC 915
36	Y 🔀 N/A 🗌	A Knox box for building access may be required for structures and gates. See Appendix B for further information and detail on required installations. Order via <u>www.knoxbox.com</u> or contact TVF&R for assistance and instructions regarding installation and placement.	OFC 506.1

CERTIFICATION OF SIGN POSTING



The applicant must provide and post a sign pursuant to Tualatin Development Code (TDC 32.150). The block around the word "NOTICE" must remain yellow composed of the RGB color values Red 255, Green 255, and Blue 0. A template is available at:

https://www.tualatinoregon.gov/planning/land-use-application-sign-templates

NOTE: For larger projects, the Community Development Department may require the posting of additional signs in conspicuous locations.

As the applicant for the <u>Walgraeve's</u> project, I hereby certify that on this day, <u>Friday, May 20, 2022</u> sign(s) was/were posted on the subject property in accordance with the requirements of the Tualatin Development Code and the Community Development Division.

Applicant's Name: _____Beth Zauner, PLA

(Please Print)

Applicant's Signature:

Date: 5/20/2022