LETTER OF TRANSMITTAL



33915 1st Way South, #200 Federal Way, WA 98003 (253) 838-6113 Fax: (253) 838-7104

DATE:	8/30/2006	JOB NO. 410-028-005
ATTN:	Joanna Valer	ncia
RE:	SSHI	
	Black Horse a	t Whiskey Creek

TO:	TO: Kittitas County Community Services						
	411 N Ruby Stre	et, Suite 2		VIA		Courier	
	Ellensburg WA 9	98926				– Mail	
						To be picked up	
					X	Overnight mail	
WE A	RE SENDING YOU:						
	Prints	X	Plans		CAD Disk		
	Copy of Letter		Change Order	-	Original drawings		
	Other -		onango oraor		ongina diawingo		
	•	/ = 2 					
COPIES	DATE	SHT. NO.	DESCRIPTION				
3	8/30/2006		P-Plat Drawings				
THES	E ARE TRANSMITTE	D as checked be	alow:				
TITES	E ANE MANOIVIII IE	D as checked be	HOVV.				
X	For approval		For review and comm	ment			
	For your use		For your signature				
	As requested		•			_	
DEM	ADIZO	laanna					
HEIVI	ARKS _	Joanna,	hree copies of the up	adated P	Dlot drowings for t	no Avtmon	
PLID	now referred to as		t Whiskey Creek". Ur				
			Tuesday, and theref				
			able to discuss the				
	ming meeting.						
	COPY TO:				SIGNED:	Steve Kelly, PE	

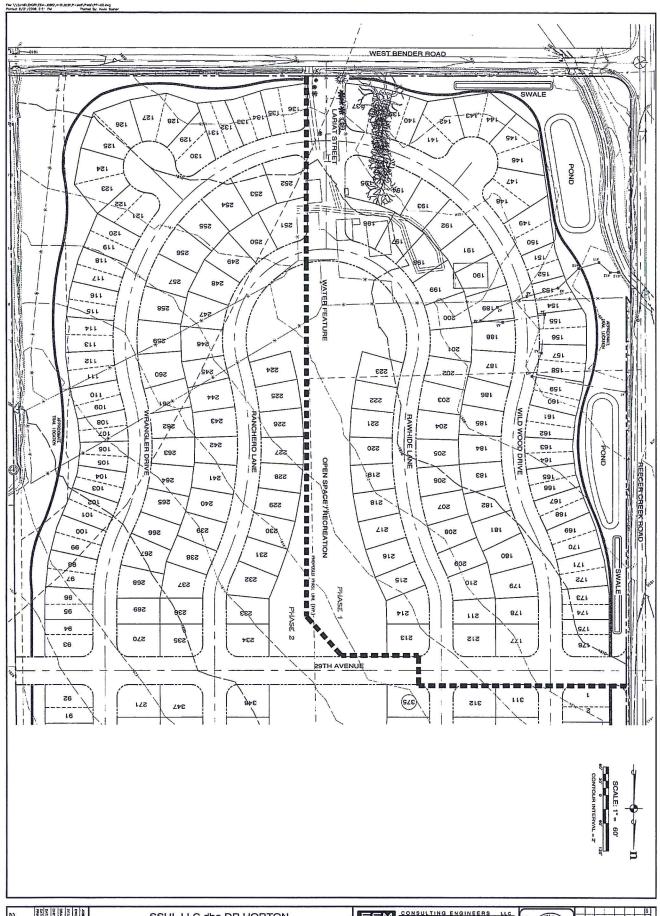
Vounna for Review received 60' Ex. R/W WEST BENDER HOAD SITE RIGHT TO CONDUCT WATER THROUGH
THE EXISTING REMAINON INICH
PER WARRANTY DEED NO.31009
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OTH 182 see PREPARED BY ESM CONSULTING ENGINEERS. JANUARY/FEBRUARY, 2006 N 2 0 160 35 czc SUBJECT TO IRRIGATION RIGHTS TO CONDUCT WATER TO THE ADJOINING SOUTHERLY TO ACRES PER WARRANTY DEED NO 31009 POND DR HORTON 17931 N.E. 175TH PLACE KIRCLAND, WA 98034 (425) 821-3400 CONTACT: JENNIFER STEIG PROPERTY OWNER

SSH, LLC
12931 N.E. 125TH PLACE
12931 N.E. 125TH PLACE
12931 N.W. 88034
(425) 821-340
0007LCT. JENNIFER SIEGS PLANNER/ENGINEER/SURVEYOR PROJECT MANAGER LABRIE, AICP / STEVE KELLY, FE / PHIL BOWERS ROAD CONTOUR INTERVAL - 2' . ₹200 100 TURNER. CONSULTING ENGINEERS LLC SSHI, LLC dba DR HORTON ESM or 6 Section BLACK HORSE AT WHISKEY CREEK
CITY OF ELLENSBURG OVERALE SITE PLAN WASHINGTON FEDORAL BAY (253) 636-6113 BCT-ELL (25) 615-6*44 CLE ELM (200) 674-1606 www.esmcivil.com CMI Engineering | Land Surveying | Land Plenning | Public Works | Project Monagement | Landscope Arci

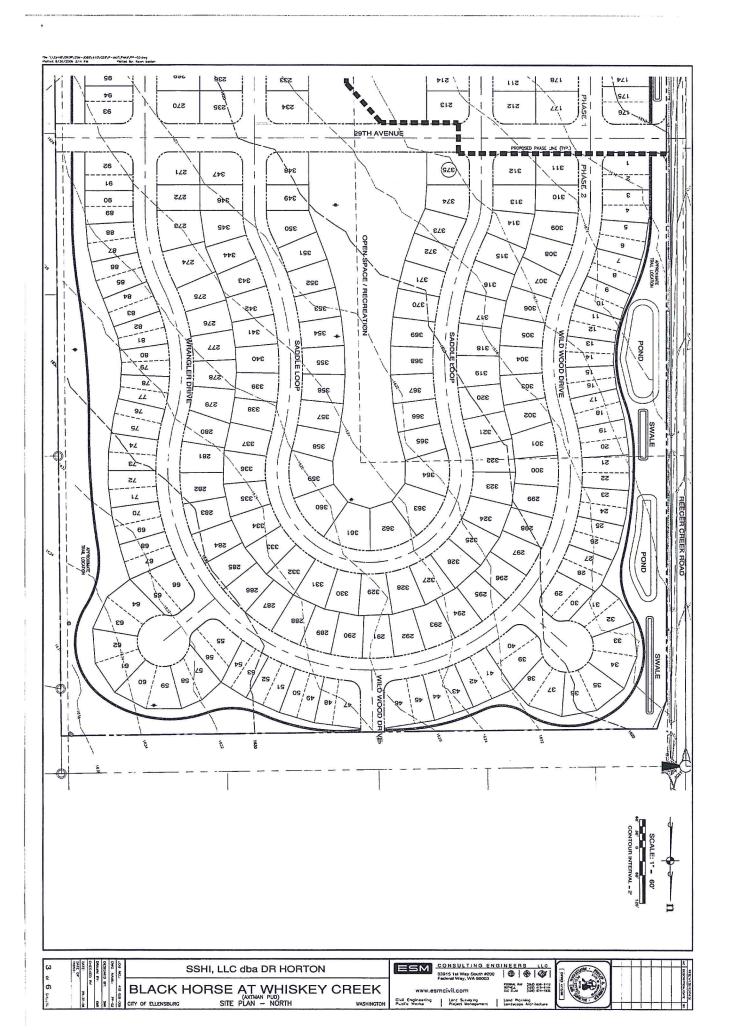
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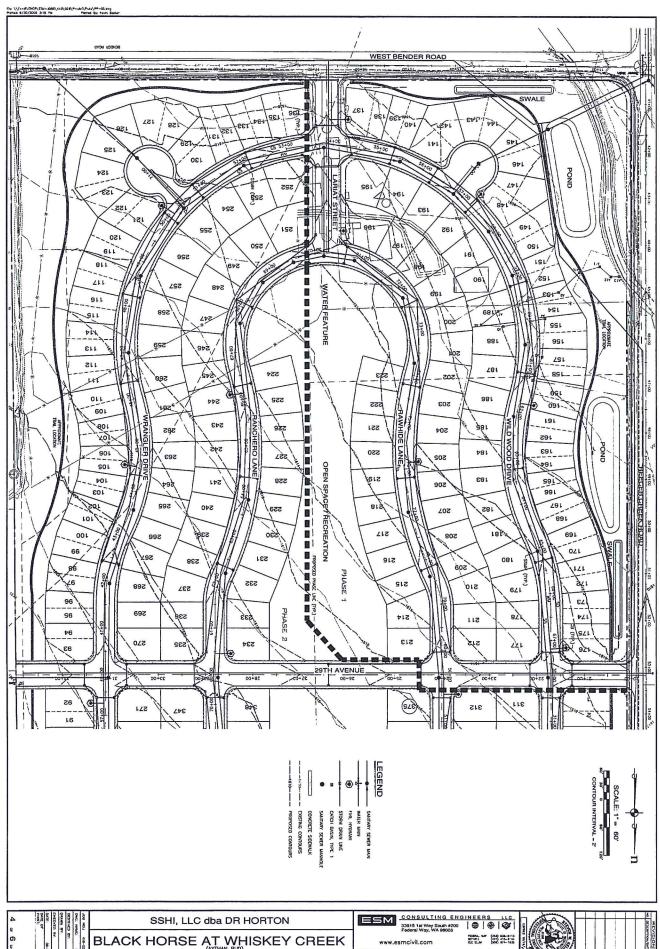
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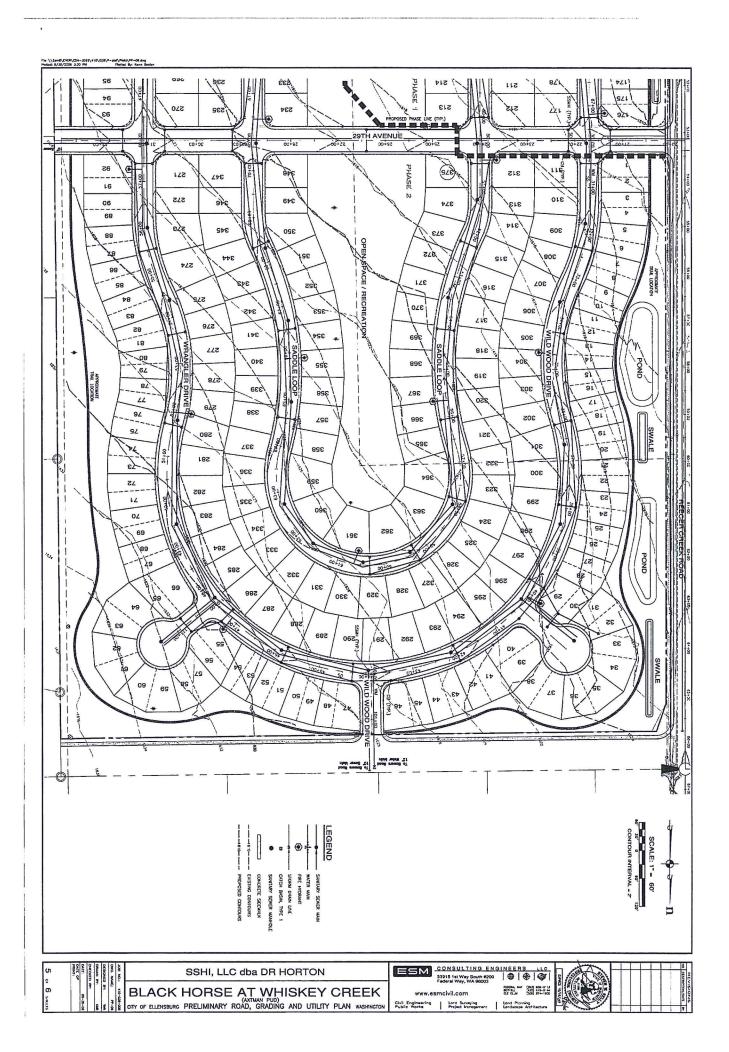
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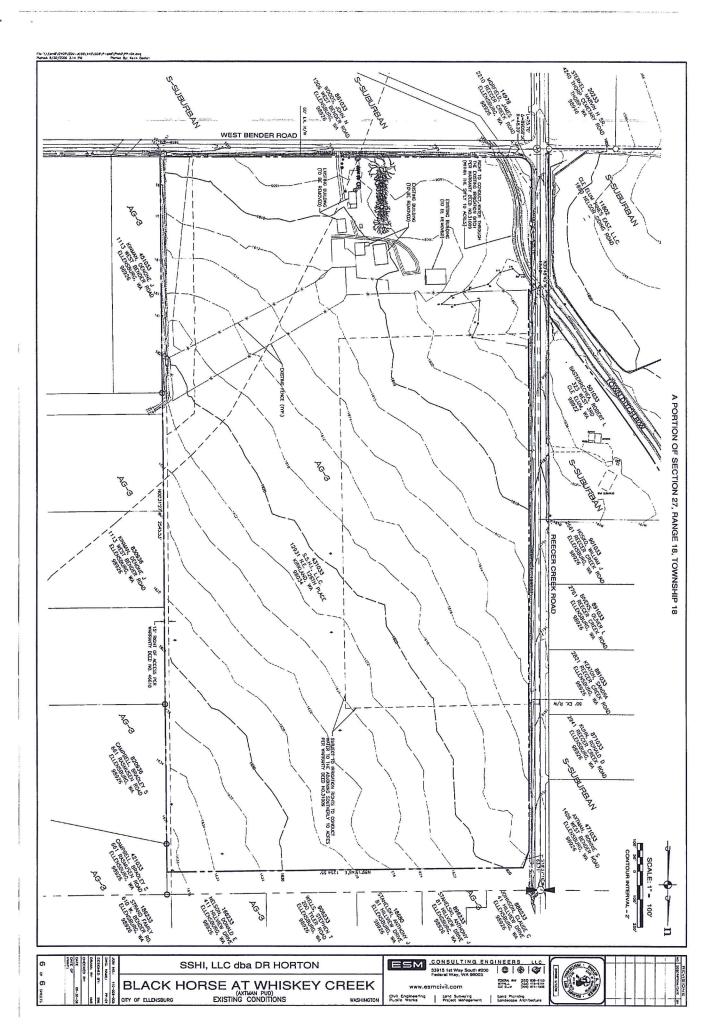




BLACK HORSE AT WHISKEY CREEK (AXTMAN PUD)

S IN 6 8 01TY OF ELLENSBURG PRELIMINARY ROAD, GRADING AND UTILITY PLAN WASHINGTON Chill Engineering Land Surreying Public Works Project Manage Land Plenning Landscope Arci





Joanna F. Valencia

From:

Joanna F. Valencia

Sent:

Tuesday, August 22, 2006 12:38 PM

To:

'Jennifer A Steig'

Cc:

Steve Kelly

Subject: RE: Axtman PUD

Hi Jennifer,

If you could email the traffic analysis and wetland report to me today that would be great.

How are things going with the possible intersection improvements discussion with Public Works? I haven't been able to touch base with them yet, but anticipate chatting with them this afternoon and having that traffic study on hand would be helpful.

In regards to other items:

Wetlands- in addition to the ones identified in your initial submittal we had talked during our 7/25/06 meeting about possible wetlands near the creek. I'm not sure if you're wetlands study has addressed this but thought I'd just bring it up.

WDFW/floodplain/creek- per WDFW comments there was some concern about the proper identification of applicable flood zones and possible work that might be occurring here. Will your new map delineate such information? In addition to floodplain management, capacity and no-net loss off floodplain, etc. Other items regarding the creek that I recall from the joint meeting include your trail systems/points of access near creeks and discharge. Please refer to the WDFW comments for additional information.

Irrigation- do you have an update in regards to progress with issues they may have or requirements for the project.

Fire Hydrants- have you been able to identify locations?, Fire flows- is this adequate? There was mention of a possible need for an extra connection per the joint meeting discussion.

Snow plowing/snow storage/ street parking- This was brought up during our meeting with County Public Works. How are things with this?

Off site improvements- I think the major thing here was the intersection at Univ Way and Reecer Creek. As I mentioned, I still need to catch up with public works on this, but just wanted to touch base with you to see if you had any info.

Phasing Plan- this was still up in the air. Just wanted to see if you have anything more concrete.

This is what I have so far. Let me know if you have questions.

Thanks, Joanna

- (

Joanna Valencia

Planner II
Kittitas County Community Development Services
[P] 509.962.7046
[F] 509.962.7682
joanna.valencia@co.kittitas.wa.us

B-12 Wetland Consulting, Inc.

1103 W. Meeker St. Kent, WA 98032-5751

(v)253-859-0515 (f) 253-852-4732

REGEVED

KITTTAS COUNTY CDS

Post-it® Fax Note 7671	Date. 4/3/06 pages ► 6
To Rebecca Denny	From Ed Senel
Co/Dept. DR th-ke	CO. B-12 without Can.
Phone #	Phone #
Fax # 425-821-3300	- Fax II

December 13, 2005

Chad Bala Terra Design Group PO Box 462 Roslyn, Washington 98941

RE: Wetland Stream Analysis - Axtman Property, Ellensburg,

Washington

B-12 Wetland Consulting Job #A5-339

Dear Chad,

At your request we have conducted an inspection of the Axtman property located in unincorporated Kittitas County, Washington, at the northeast quadrant of the intersection of Bender Road and Reecer Creek Road. This rectangular shaped 73 acre property is managed as a timothy hay farm. The entire site is in planted in timothy with the exception of the southwest corner of the site which includes the existing farm buildings and residential structure. The Town Canal also crosses the southwest corner of the site and Whisky Creek borders the south half of the east property line flowing in a southerly direction.

The purpose of our investigation was to determine the approximate size and location of any jurisdictional wetlands, streams or buffers on the site.

1.0 METHODOLOGY

B-12 Wetland Consulting, Inc. investigated the site in November of 2005, using methodology described in the *Washington State Wetlands Identification Manual* (WADOE, March 1997). This is the methodology currently recognized by Kittitas County and the City of Ellensburg for

wetland determinations and delineations. Soil colors were identified using the 1990 Edited and Revised Edition of the *Munsell Soil Color Charts* (Kollmorgen Instruments Corp. 1990).

The Washington State Wetlands Identification and Delineation Manual and the Corps of Engineers Wetlands Delineation Manual both requires the use of the three-parameter approach in identifying and delineating wetlands. A wetland should support a predominance of hydrophytic vegetation, have hydric soils and display wetland hydrology. To be considered hydrophytic vegetation, over 50% of the dominant species in an area must have an indicator status of facultative (FAC), facultative wetland (FACW), or obligate wetland (OBL), according to the National List of Plant Species That Occur in Wetlands: Northwest (Region 9) (Reed, 1988). A hydric soil is "a soil that is saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part". Anaerobic conditions are indicated in the field by soils with low chromas (2 or less), as determined by using the Munsell Soil Color Charts; iron oxide mottles; hydrogen sulfide odor and other indicators. Generally, wetland hydrology is defined by inundation or saturation to the surface for a consecutive period of 12.5% or greater of the growing season. Areas that contain indicators of wetland hydrology between 5%-12.5% of the growing season may or may not be wetlands depending upon other indicators. Field indicators include visual observation of soil inundation, saturation, oxidized rhizospheres, water marks on trees or other fixed objects, drift lines, etc. Under normal circumstances, indicators of all three parameters will be present in wetland areas.

NOTE: The Ellensburg area has unique hydrologic conditions that make wetland delineation and identification difficult without cessation of site irrigation practices, and monitoring of the hydrology through the growing season (mid April through October 1). Generally, irrigated fields in this area have been flood irrigated for decades, and in many cases, over 100 years. This long term irrigation practice creates soils profiles that have hydric or wetland characteristics, as well as allows the growth of plants typically found in wetland areas. On many sites, only through shutting off the irrigation and monitoring the sites hydrology can it be determined if natural wetland conditions exist. If no evidence of inundation or saturation of the upper 12" of soil is found within the growing season, the area is not wetland regardless of the fact there may be wetland plants and hydric soils. This determination is made more complicated by the regional rise in the water table through the irrigation

season, often peaking near in the mid-late summer. This regional rise, although itself created by the local use of irrigation (an artificial hydrology source), is considered to be a "natural" phenomenon and treated as a natural water source by the regulatory authorities such as the Corps of Engineers as well as Washington Department of Ecology. As a result, in order to make a definitive determination of the actual presence of wetland in the area of the site, the sites irrigation must be shut off prior to the start of the irrigation season, and the site will need to be monitored for soil inundation or saturation within 12" of the surface through the entire growing season. It is our experience in this region that this is the only acceptable way to disprove areas that contain wetland soils and plants from being considered wetland.

2.0 OBSERVATIONS



The site is generally comprised of timothy fields with the exception of several agricultural outbuildings near the south end of the site bordering the Town Canal. Whisky Creek flows south along the southeast side of the site, although it was dry during our site visit. Numerous irrigation ditches, pipes, and diversions are found along the property leading from the Town Canal as well as both creeks. The property owner informed me that the irrigation system on the north and east sides of the site was recently re-built and relocated changing the way irrigation water gets to

and is used on the site. This was required because the County road will shortly be extended along the north side of his property and the existing drainage features which provided irrigation water to the north end of the site were being removed.

Additionally, he informed me a large gravel French drain is located along the east property line to intercept flood irrigation water from the neighbor to the east and direct it south to Whisky Creek. Mr. Axtman also has switched to wheel irrigation on the north side of the site, an area formerly flood irrigated.

As previously described, the majority of the site is planted and cropped in timothy hay (*Phleum pretense*). Timothy although a planted species on this site, is also considered a facultative wetland plant.

The southeast side of the site west of the home/farm and north of the Town Canal has an area that does meet the criteria to be wetland. This area is vegetated with a mix of hydrophytic vegetation including sedges (Carex spp.), cattail (Typha latifolia) and meadow foxtail (Alopecuras geniculatus). Soils are dark hydic soils with soil saturation present during our site visit.

Soil pits excavated throughout the remainder of the site in portions of the areas identified in the Ellensburg UGA inventory as wetland did reveal clay loam soils with hydric (wetland) characteristics including dark (10YR 2/1) and the presence of redoximorphic concentrations. Contrasting to these areas, other portions of the site have slightly higher chroma soils (10YR 2/1.5) with less clay and no redoximorphic features.

The site is currently under a mixed flood and wheel irrigation program. Irrigation covers the entire site and can create artificial wetland conditions.

The wetlands on the site appears to be a Category 3 or 4 rating, which in Kittitas County, currently have buffers that can range between a simple structure setback of less than 25' up to 80'. These will depend upon the proposed land use, potential for enhancement, slope and presence of any listed species. The buffer areas on site should lend themselves for minimum widths with potential enhancement as a trade off. Any wetlands that are filled will need to be mitigated at a ratio of 1:1-1.5:1.

However, due to the long term irrigation practices which mask the natural hydrologic condition of the site on the site, and our short term observations of the site, it is very difficult at this time to separate out natural hydrology supported wetlands and artificial irrigation supported wetlands. Only through a detailed monitoring program as described in Section 1.0 and cessation of the irrigation and tail water features can the actual presence of regulated wetlands on this site be determined.

Whisky Creek

Whisky Creek borders the east side of the site. Whisky Creek is dry much of the year north of the Town Canal, including the portion ordering the site. South of the site and Bender Road, the Town Canal has a diversion which keeps water within the channel south of this area.

Whisky Creek does contain some fish in the portions south of the site. We do not know at this time if fish utilize the reach along the eastside of the site. However, assuming fish can migrate into the sites channel during higher flows, this stream would be considered a Type 3 water under Kittitas County Code. In Kittitas County, Type 3 streams typically have a 20'-50' buffer measured from the ordinary high water mark of the streams. As with wetlands, the width of the buffer depends upon the intensity of land use, the use of enhancement as a way to reduce buffer width, slope and the presence of any listed species. The sites buffers, slopes and vegetation present a good opportunity to reduce buffer widths to minimums with the use of enhancement plantings.

3.0 REGULATIONS

In addition to the wetland regulations previously described for wetlands and streams, certain activities (filling and dredging) within "waters of the United States" may fall under the jurisdiction of the US Army Corps of Engineers (ACOE). The ACOE regulates all discharges into "waters of the United States" (wetlands) under Section 404(b) of the Clean Water Act.

Discharges (fills) into isolated and headwater wetlands up to 0.5 (1/2) acre are permitted under the Nationwide 39 Permit (NWP 39). However, discharges that result in over 0.1 (1/10th) acre of fill (and less than 0.5 acres) will require "Notification" and mitigation at a ratio of 1:1 (minimum). Washington State Department of Ecology has placed

Regional Conditions on the Nationwide 39 permit that are more restrictive than the national regulations. The limits of fill can be modified if the agencies conclude that ESA fisheries could be impacted by the proposed wetland or stream fill activities.

Due to the increasing emphasis on Endangered Species Act compliance for all fills of Waters of the United State and Waters of the State, both the Corps of Engineers and Washington Department of Ecology should be contacted regarding permit conditions, compliance, and processing prior to commitment to any fill of wetlands or streams.

Further Study Requirements

The site currently contains several areas that appear to meet wetland criteria. In order to break out the upland from the wetland on this site a detailed monitoring study as described in Section 1 of this report will be needed. All irrigation will need to cease for the duration of the monitoring period (April-Oct). This is the only way to definitively determine which portions of the site currently displaying wetland characteristics are truly natural wetland, or are artificial and only supported by irrigation, and as such, would not be regulated as wetlands.

If you have any questions in regards to this report or need additional information, please feel free to contact me at (253) 859-0515 or at ed@b12assoc.com.

Sincerely,

B-12 Wetland Consulting, Inc.

J Sull

Ed Sewall

Senior Wetlands Ecologist (PWS #212)

7/20/06 Flood plan Axtman Impact to Adjacent lands Jennifer - Wetland (3/4) 5/2e? Steve Kelly whitey creek Jan, Opro -> Noise Brandon, Ope Lapanan comments Cascade Town Ditch 4) Drainage issues off + onste Water in Transportation water * Road M" (DMADELION (City/canty Regs) is itention of use of Bowers, industrial vs. residential - plowing > street parking (storage/parking) H-Improvement to Univ. Way + Reecer Creek (mitigations) - LOS C is County Standard swetland determinations = irrigation = time or LID nator sewer connection in County Rd-

Preliminary Submittal Requirements:
Review Date: 5/11/06
Tax Parcel: 18-18-27010-0002 Date Received: 6/9/06
File Number: P-06-22, Long Flat + Rezone to Aud Date Project Completed
Planner
Johnna * Project is a
Second page of application turned in (landowner contact info page)
Address list of all landowners within 300' of the site's tax parcel
Ly Large Preliminary Plat Maps (bluelines)
☐ ∠8.5x11.5" Copy of plat map ☐ Certificate of Title
Computer Closures
Critical Areas Review (completed by planner)
Parcel History (optional) Date Requested: Date Completed:
Subdivision conforms to the county comprehensive plan and all zoning regulations in effect at the time the
preliminary plat is submitted.
Located within Fire District # 2
Located within Irrigation District: Memo sent to Irrigation District
Critical Areas Check Critical Areas Check Cascade + Ellensburg Water
Date 5/1/06 Planner Signature: July Planner Signature:
Zoning: Ay -3 (Rezone being proposed to PuD) Lot Size: 73.34 Acres Required Setbacks: F S R
Lot Size: 73.34 Acres
Required Settlaters. 1 5 K
Y X
Does SEPA Apply to proposed use? Variance Required?
Conditional Use Permit Required?
Within Shoreline? Shoreline Environment?
The Frequently Flooded Area? Panel#: 5300950 4248 Zone: C+ 4 (Southeasternly portion) = 100 year
Wetland? Buffer requirement: PEMC See submitted wetland 5thby
LI 43eismic
☐ VLandslide ☐ Erosion
Mine
Steep Slope
Aguifer Recharge Area: Does this involve Hazardous Materials? (If no, then project is exempt)
Hazardous Materials containment required if checked irport Zone:
Forest Service Roads? Road:
BPA Easement Located on Property? Memo Sent to BPA
Additional Approvals Required? Type
CRITICAL AREA NOTES:
Preliminary Plat Drawing Requirements:
General Information (KCC 16.12.020)
Submitted on 18"x24" sheet (Larger)
General Information (KCC 16.12.020) Submitted on 18"x24" sheet (Larger) Names of proposed subdivision (no plane > carrently Ax (man)
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♥ Contour ling percent, and to percent, and the percen	en feet for slopes ov width and type of all f all marshes, areas ses of the property, it conal information de	ne foot or less for slopes er thirty percent. I roads, streets, alleys, ea subject to flooding, and including the location and emed necessary by Kittit	less than three percent, fi sements, and rights-of-wathe direction of flow of all all nature of all acreage, fe as County. e subdivision shall be income.	ay on and adjacent to t Il water courses. ences and/or other struc	he proposed
<u>Other</u>					
Wellhead property lines. Right to Fa Agriculture, or AIRPORT ubdivision, and hrough 6, a no This pactivit Does the paurrent lot cont By Kittitas (For Short	arm Ordinance appliance for the property and planned unit developed located on the financel contain lands a figurations are not good ordinance, or plats and plats or power located with the property is located with the p	es to ALL permits on or E Subdivision. When an elopments, occur on any est page of the plat, shall within the Airport Overlation activities mess than 3 acres? If so, in guaranteed until septic an only sprinkler or drip irricontaining BPA easer dministration (BPA) imp	gation is allowed for lots nents, start requiring poses certain condition	aced a minimum of 50 aced Ag-3, Ag-20, Compared Ag-3, Ag-20, Compared Ag-3, Ag-20, Compared Ag	mercial luster afety zones 1 aviation ding that
f-ways. Propostallation. Entered Information of the second	by high voltage traposed uses of the BPA Real Estate FBPA layers are on wires. We will he BPA lines are identified the applicant and elle Doiron, Realtwithin a BPA eased make sure appli	ansmission line right-of right-of-way must be right-of-way must be rield Services can be cathe Critical Area, remedepefully get this easementified in proximity to a should include the play Specialist 1800-836-ement they can get from the cants are aware of the	devises certain condition and a series and a proved an an antacted at 1-800-836 amber they have around ent layer soon, but for a proposed structure, a anone number of the BF 6619). There is an appear her. So we won't how BPA issues on the proof making sure application.	no structures built on d permitted by BPA p-6619." and a 100' – 200' ease now we have the line a note on the critical PA real estate service blication they have filled up critical areas for perty by putting cleans.	BPA right- prior to ment around e locations. area should member l out for any or this, but arly in the

NOTES: Need to doliniute 100-year floodplain.

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